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 : P4665

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for P4665

1) VOLATILES DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 12
9) QC Data Summary For VOCMS Group1 13
9.1) Deuterated Monitoring Compound Summary 14
9.2) LCS/LCSD Summary 15
9.3) Method Blank Summary 17
9.4) GS/MS Tune Summary 18
9.5) Internal Standard Area and RT Summary 20
10) Sample Data 22
10.1) BP-VPB-190-TB-20241029 23
10.2) VPB190-HYD-20241030 37
10.3) BP-VPB-190-EB-20241030 50
10.4) BP-VPB-190-GW-538-540 63
10.5) BP-VPB-190-GW-558-560 76
10.6) BP-VPB-190-GW-583-585 90
10.7) BP-VPB-190-GW-598-600 104
11) Calibration Data Summary 118
11.1) Initial Calibration Data 119
11.1.1) VN103024 119
11.2) Continued Calibration Data 493
11.2.1) VN084628.D 493
11.2.2) VN084643.D 553
12) QC Sample Data 613
12.1) Tune Raw Data 614
12.2) Method Blank Data 616
12.3) LCS Data 628
12.4) LCSD Data 682
13) Manual Integration 736
14) Analytical Runlogs 739

15) Standard Prep Logs 746
16) Shipping Document 829
16.1) Chain Of Custody 830
16.2) Lab Certificate 831
16.3) 16.3) Internal COC 832
17) Not Reviewed Data 834

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

Cover Page

Order ID : P4665

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
P4665-01	BP-VPB-190-TB-20241029
P4665-02	VPB190-HYD-20241030
P4665-03	BP-VPB-190-EB-20241030
P4665-04	BP-VPB-190-GW-538-540
P4665-05	BP-VPB-190-GW-558-560
P4665-06	BP-VPB-190-GW-583-585
P4665-07	BP-VPB-190-GW-598-600

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 : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:40 am, Nov 18, 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 # P4665
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
7 Water samples were received on 10/31/2024.

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 met the requirements .
The Tuning criteria met requirements.

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.

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

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 <15% 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 > 15% 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 N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:41 am, Nov 18, 2024

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: P4665 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 met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The 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:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

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

NA NO YES

ADDITIONAL COMMENTS:

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 <15% 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 > 15% for the Initial Calibration curve for SW-846 analysis.

S. M. Jodhani

QA REVIEW

REVIEWED

By Sohil Jodhani, QA/QC Director at 10:25 am, Nov 18, 2024

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4665

	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:** 11/11/2024

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

LAB CHRONICLE

OrderID:	P4665	**OrderDate:**	10/31/2024 3:52:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	K51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4665-01	**BP-VPB-190-TB-20241029**	**Water**			**10/29/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-02	**VPB190-HYD-20241030**	**Water**			**10/30/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-03	**BP-VPB-190-EB-20241030**	**Water**			**10/30/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-04	**BP-VPB-190-GW-538-540**	**Water**			**10/29/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-05	**BP-VPB-190-GW-558-560**	**Water**			**10/29/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-06	**BP-VPB-190-GW-583-585**	**Water**			**10/30/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	
P4665-07	**BP-VPB-190-GW-598-600**	**Water**			**10/30/24**			**10/31/24**
			VOCMS Group1	8260-Low			11/01/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4665

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-190-GW-558-560**								
P4665-05	BP-VPB-190-GW-5	Water	Acetone	6.80		1.40	3.80	5.00	ug/L
P4665-05	BP-VPB-190-GW-5	Water	2-Butanone	2.60	J	1.30	2.50	5.00	ug/L
			Total Voc :	9.40					
			Total Concentration:	9.40					
Client ID:	**BP-VPB-190-GW-583-585**								
P4665-06	BP-VPB-190-GW-5	Water	Acetone	7.70		1.40	3.80	5.00	ug/L
P4665-06	BP-VPB-190-GW-5	Water	2-Butanone	2.30	J	1.30	2.50	5.00	ug/L
			Total Voc :	10.0					
			Total Concentration:	10.0					
Client ID:	**BP-VPB-190-GW-598-600**								
P4665-07	BP-VPB-190-GW-5	Water	1,1,2-Trichlorotrifluoroethane	0.98	J	0.25	0.50	1.00	ug/L
			Total Voc :	0.98					
			Total Concentration:	0.98					

QC SUMMARY

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

Surrogate Summary

SDG No.: P4665

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4665-01	BP-VPB-190-TB-20241029	1,2-Dichloroethane-d4	50	50.8	102	81	118
		Dibromofluoromethane	50	49.2	98	80	119
		Toluene-d8	50	47.0	94	89	112
		4-Bromofluorobenzene	50	47.6	95	85	114
P4665-02	VPB190-HYD-20241030	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	46.2	92	89	112
		4-Bromofluorobenzene	50	46.9	94	85	114
P4665-03	BP-VPB-190-EB-20241030	1,2-Dichloroethane-d4	50	49.9	100	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	47.9	96	89	112
		4-Bromofluorobenzene	50	45.7	91	85	114
P4665-04	BP-VPB-190-GW-538-540	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	48.5	97	89	112
		4-Bromofluorobenzene	50	47.7	95	85	114
P4665-05	BP-VPB-190-GW-558-560	1,2-Dichloroethane-d4	50	49.9	100	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	46.8	94	89	112
		4-Bromofluorobenzene	50	46.2	92	85	114
P4665-06	BP-VPB-190-GW-583-585	1,2-Dichloroethane-d4	50	49.6	99	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	47.3	94	89	112
		4-Bromofluorobenzene	50	46.1	92	85	114
P4665-07	BP-VPB-190-GW-598-600	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	49.5	99	80	119
		Toluene-d8	50	47.2	94	89	112
		4-Bromofluorobenzene	50	47.2	94	85	114
VN1101WBL01	VN1101WBL01	1,2-Dichloroethane-d4	50	51.6	103	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	47.4	95	89	112
		4-Bromofluorobenzene	50	46.8	94	85	114
VN1101WBS01	VN1101WBS01	1,2-Dichloroethane-d4	50	44.3	89	81	118
		Dibromofluoromethane	50	45.1	90	80	119
		Toluene-d8	50	46.1	92	89	112
		4-Bromofluorobenzene	50	47.0	94	85	114
VN1101WBSD0	VN1101WBSD01	1,2-Dichloroethane-d4	50	45.0	90	81	118
		Dibromofluoromethane	50	46.5	93	80	119
		Toluene-d8	50	46.3	93	89	112
		4-Bromofluorobenzene	50	46.5	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.: P4665

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084631.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1101WBS01	Chloromethane	20	16.4	ug/L	82			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	18.0	ug/L	90			53	141	
	Chloroethane	20	18.2	ug/L	91			60	138	
	Trichlorofluoromethane	20	18.8	ug/L	94			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			70	136	
	1,1-Dichloroethene	20	17.7	ug/L	89			71	131	
	Acetone	100	96.0	ug/L	96			39	160	
	Carbon disulfide	20	16.7	ug/L	84			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methylene Chloride	20	19.0	ug/L	95			74	124	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	2-Butanone	100	96.7	ug/L	97			56	143	
	Carbon Tetrachloride	20	19.7	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			78	123	
	Chloroform	20	19.6	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			74	131	
	Methylcyclohexane	20	18.4	ug/L	92			72	132	
	Benzene	20	18.8	ug/L	94			79	120	
	1,2-Dichloroethane	20	19.5	ug/L	98			73	128	
	Trichloroethene	20	18.4	ug/L	92			79	123	
	1,2-Dichloropropane	20	19.1	ug/L	96			78	122	
	Bromodichloromethane	20	19.2	ug/L	96			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	20.1	ug/L	101			80	121	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			73	127	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			75	124	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	20.3	ug/L	102			74	126	
	Tetrachloroethene	20	18.6	ug/L	93			74	129	
	Chlorobenzene	20	18.3	ug/L	92			82	118	
	Ethyl Benzene	20	18.8	ug/L	94			79	121	
	m/p-Xylenes	40	38.9	ug/L	97			80	121	
	o-Xylene	20	20.0	ug/L	100			78	122	
	Styrene	20	19.4	ug/L	97			78	123	
	Bromoform	20	19.0	ug/L	95			66	130	
	Isopropylbenzene	20	18.5	ug/L	93			72	131	
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91			71	121	
	1,3-Dichlorobenzene	20	16.8	ug/L	84			80	119	
	1,4-Dichlorobenzene	20	17.3	ug/L	86			79	118	
	1,2-Dichlorobenzene	20	17.0	ug/L	85			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.: P4665

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VN084632.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1101WBSD01	Chloromethane	20	16.8	ug/L	84	2		50	139	20
	Vinyl chloride	20	18.9	ug/L	95	0		58	137	20
	Bromomethane	20	18.4	ug/L	92	2		53	141	20
	Chloroethane	20	19.0	ug/L	95	4		60	138	20
	Trichlorofluoromethane	20	20.1	ug/L	101	7		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99	2		70	136	20
	1,1-Dichloroethene	20	18.5	ug/L	93	4		71	131	20
	Acetone	100	110	ug/L	110	14		39	160	20
	Carbon disulfide	20	17.5	ug/L	88	5		64	133	20
	Methyl tert-butyl Ether	20	20.4	ug/L	102	6		71	124	20
	Methylene Chloride	20	19.4	ug/L	97	2		74	124	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	2		75	124	20
	1,1-Dichloroethane	20	19.9	ug/L	100	4		77	125	20
	2-Butanone	100	100	ug/L	100	3		56	143	20
	Carbon Tetrachloride	20	20.1	ug/L	101	2		72	136	20
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	6		78	123	20
	Chloroform	20	20.1	ug/L	101	3		79	124	20
	1,1,1-Trichloroethane	20	20.1	ug/L	101	4		74	131	20
	Methylcyclohexane	20	19.6	ug/L	98	6		72	132	20
	Benzene	20	19.4	ug/L	97	3		79	120	20
	1,2-Dichloroethane	20	20.4	ug/L	102	4		73	128	20
	Trichloroethene	20	19.2	ug/L	96	4		79	123	20
	1,2-Dichloropropane	20	20.1	ug/L	101	5		78	122	20
	Bromodichloromethane	20	20.1	ug/L	101	5		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		67	130	20
	Toluene	20	20.8	ug/L	104	3		80	121	20
	t-1,3-Dichloropropene	20	19.3	ug/L	97	9		73	127	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	4		75	124	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	6		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	21.1	ug/L	106	4		74	126	20
	Tetrachloroethene	20	19.8	ug/L	99	6		74	129	20
	Chlorobenzene	20	18.9	ug/L	95	3		82	118	20
	Ethyl Benzene	20	19.4	ug/L	97	3		79	121	20
	m/p-Xylenes	40	39.8	ug/L	100	3		80	121	20
	o-Xylene	20	20.1	ug/L	101	1		78	122	20
	Styrene	20	20.2	ug/L	101	4		78	123	20
	Bromoform	20	19.5	ug/L	98	3		66	130	20
	Isopropylbenzene	20	19.2	ug/L	96	3		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.7	ug/L	94	3		71	121	20
	1,3-Dichlorobenzene	20	17.3	ug/L	86	2		80	119	20
	1,4-Dichlorobenzene	20	18.5	ug/L	93	8		79	118	20
	1,2-Dichlorobenzene	20	18.2	ug/L	91	7		80	119	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1101WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4665 SAS No.: P4665 SDG NO.: P4665

Lab File ID: VN084630.D Lab Sample ID: VN1101WBL01

Date Analyzed: 11/01/2024 Time Analyzed: 11:29

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
VN1101WBS01	VN1101WBS01	VN084631.D	11/01/2024
VN1101WBSD01	VN1101WBSD01	VN084632.D	11/01/2024
BP-VPB-190-TB-20241029	P4665-01	VN084635.D	11/01/2024
BP-VPB-190-GW-558-560	P4665-05	VN084636.D	11/01/2024
BP-VPB-190-GW-583-585	P4665-06	VN084637.D	11/01/2024
VPB190-HYD-20241030	P4665-02	VN084638.D	11/01/2024
BP-VPB-190-EB-20241030	P4665-03	VN084639.D	11/01/2024
BP-VPB-190-GW-538-540	P4665-04	VN084640.D	11/01/2024
BP-VPB-190-GW-598-600	P4665-07	VN084641.D	11/01/2024

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.: P4665 SAS No.: P4665 SDG NO.: P4665

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.: P4665 SAS No.: P4665 SDG NO.: P4665

Lab File ID: VN084627.D BFB Injection Date: 11/01/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:48

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	51.3
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	1.1 (1.5) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.4 (7.2) 1
176	95.0 - 101.0% of mass 174	71.2 (95.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084628.D	11/01/2024	10:22
VN1101WBL01	VN1101WBL01	VN084630.D	11/01/2024	11:29
VN1101WBS01	VN1101WBS01	VN084631.D	11/01/2024	12:08
VN1101WBSD01	VN1101WBSD01	VN084632.D	11/01/2024	12:32
BP-VPB-190-TB-20241029	P4665-01	VN084635.D	11/01/2024	13:53
BP-VPB-190-GW-558-560	P4665-05	VN084636.D	11/01/2024	14:17
BP-VPB-190-GW-583-585	P4665-06	VN084637.D	11/01/2024	14:42
VPB190-HYD-20241030	P4665-02	VN084638.D	11/01/2024	15:06
BP-VPB-190-EB-20241030	P4665-03	VN084639.D	11/01/2024	15:30
BP-VPB-190-GW-538-540	P4665-04	VN084640.D	11/01/2024	15:54
BP-VPB-190-GW-598-600	P4665-07	VN084641.D	11/01/2024	16:19
VSTDCCC050EC	VSTDCCC050	VN084643.D	11/01/2024	17:07

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.: P4665 SAS No.: P4665 SDG NO.: P4665

Lab File ID: VN084628.D Date Analyzed: 11/01/2024

Instrument ID: MSVOA_N Time Analyzed: 10:22

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	184180	8.22	299507	9.10	271207	11.87
UPPER LIMIT	368360	8.724	599014	9.6	542414	12.365
LOWER LIMIT	92090	7.724	149754	8.6	135604	11.365
EPA SAMPLE NO.						
BP-VPB-190-TB-20241029	171981	8.22	304211	9.10	270682	11.86
VPB190-HYD-20241030	170724	8.22	295624	9.10	261626	11.87
BP-VPB-190-EB-20241030	170733	8.22	299750	9.10	267728	11.87
BP-VPB-190-GW-538-540	175313	8.22	307267	9.10	280834	11.87
BP-VPB-190-GW-558-560	179662	8.22	311395	9.10	278810	11.87
BP-VPB-190-GW-583-585	182088	8.22	322631	9.10	288967	11.87
BP-VPB-190-GW-598-600	169823	8.22	295064	9.10	266018	11.87
VN1101WBL01	180035	8.22	318575	9.10	285991	11.87
VN1101WBS01	190995	8.22	320452	9.10	287801	11.87
VN1101WBSD01	179647	8.22	303928	9.10	276373	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.: P4665 SAS No.: P4665 SDG NO.: P4665

Lab File ID: VN084628.D Date Analyzed: 11/01/2024

Instrument ID: MSVOA_N Time Analyzed: 10:22

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

	IS4 AREA #	RT #				
12 HOUR STD	136355	13.794				
UPPER LIMIT	272710	14.294				
LOWER LIMIT	68177.5	13.294				
EPA SAMPLE NO.						
BP-VPB-190-TB-20241029	117747	13.79				
VPB190-HYD-20241030	113670	13.79				
BP-VPB-190-EB-20241030	115295	13.79				
BP-VPB-190-GW-538-540	124509	13.79				
BP-VPB-190-GW-558-560	121785	13.79				
BP-VPB-190-GW-583-585	124365	13.79				
BP-VPB-190-GW-598-600	115441	13.79				
VN1101WBL01	125664	13.79				
VN1101WBS01	147052	13.79				
VN1101WBSD01	139639	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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-TB-20241029	SDG No.:	P4665
Lab Sample ID:	P4665-01	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
VN084635.D	1		11/01/24 13:53	VN110124

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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-TB-20241029	SDG No.:	P4665
Lab Sample ID:	P4665-01	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
VN084635.D	1		11/01/24 13:53	VN110124

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	50.8		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.0		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	172000	8.223				
540-36-3	1,4-Difluorobenzene	304000	9.1				
3114-55-4	Chlorobenzene-d5	271000	11.864				
3855-82-1	1,4-Dichlorobenzene-d4	118000	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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-TB-20241029	SDG No.:	P4665
Lab Sample ID:	P4665-01	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
VN084635.D	1		11/01/24 13:53	VN110124

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\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Quant Time: Nov 04 04:27:06 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

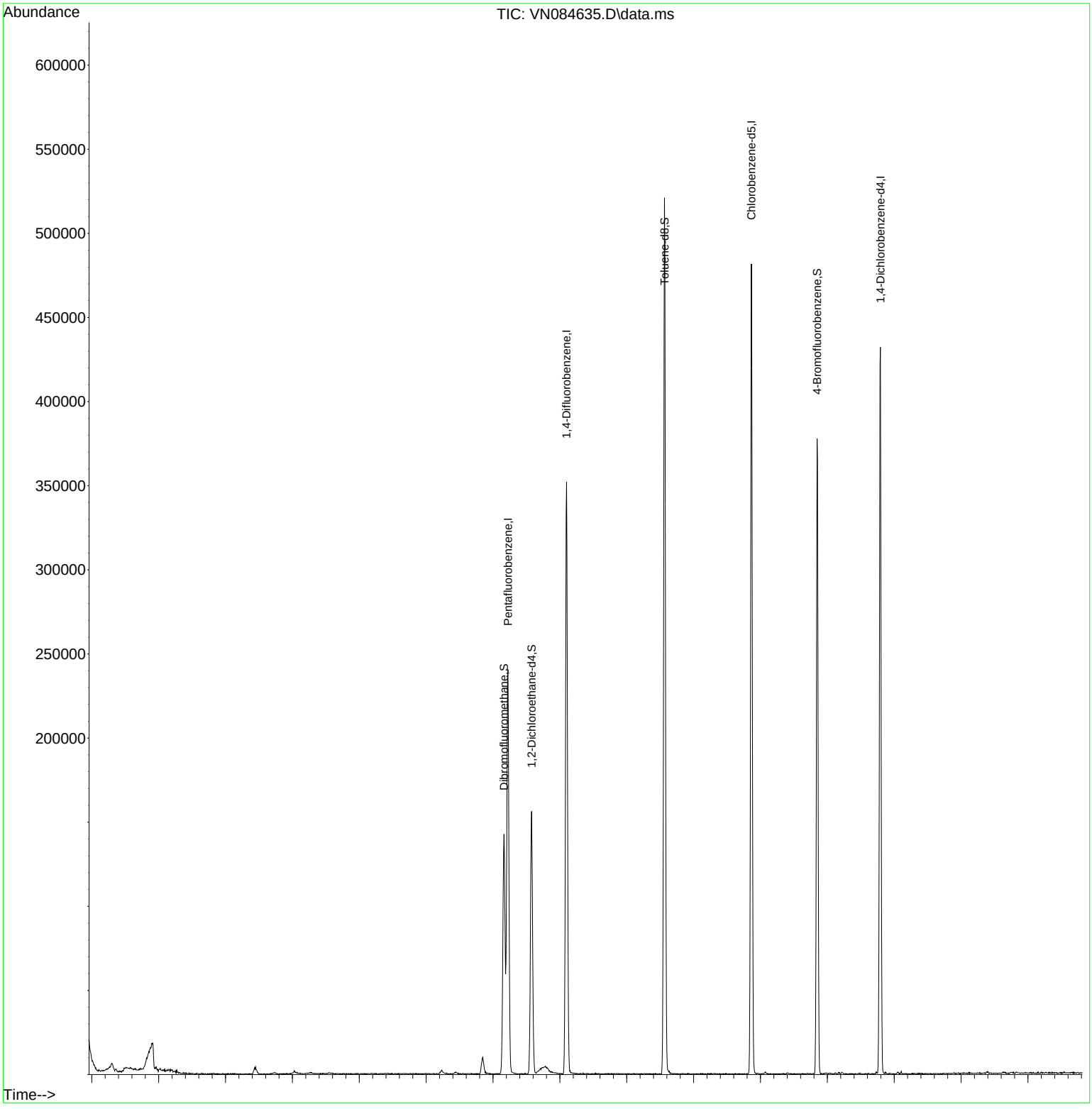
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.223	168	171981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	270682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	126157	50.788	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.580%			
35) Dibromofluoromethane	8.165	113	101331	49.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.420%			
50) Toluene-d8	10.565	98	356786	47.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.080%			
62) 4-Bromofluorobenzene	12.847	95	134831	47.562	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.120%			
Target Compounds						Qvalue
29) Tetrahydrofuran	7.841	42	7157	9.309	ug/l	97

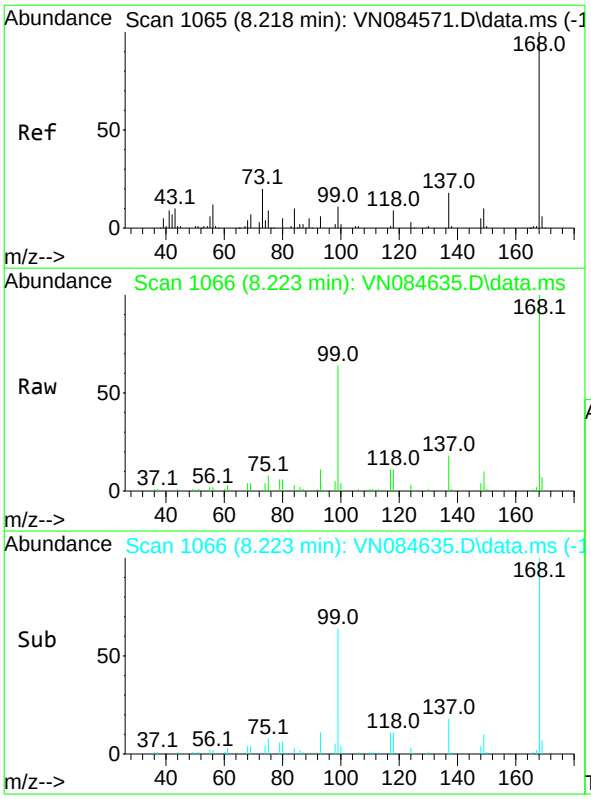
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Quant Time: Nov 04 04:27:06 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



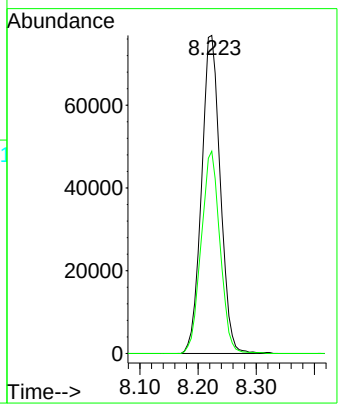


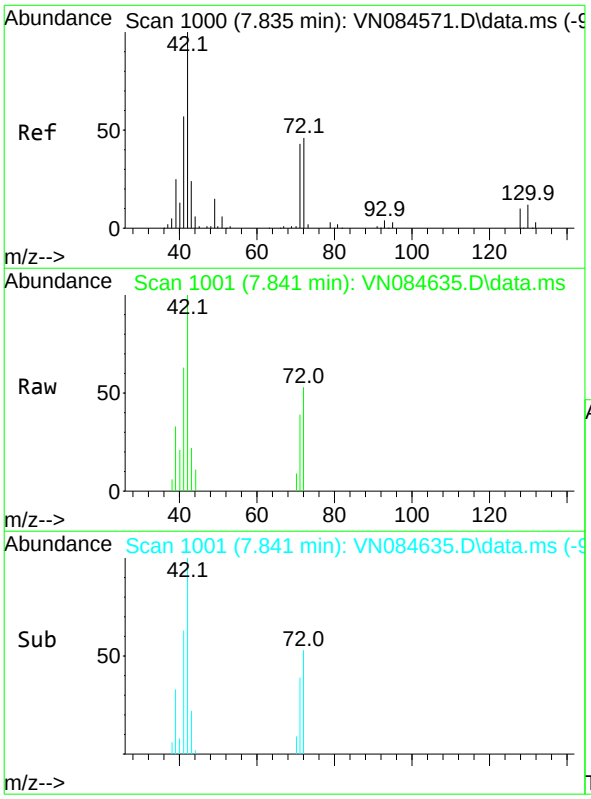
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Tgt Ion:168 Resp: 171981

Ion	Ratio	Lower	Upper
168	100		
99	63.6	54.2	81.2

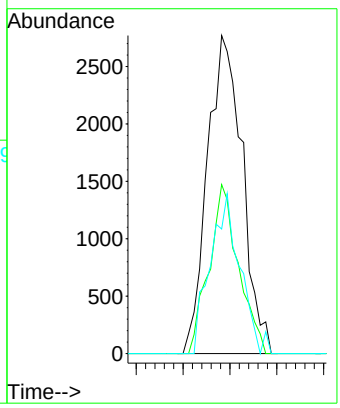


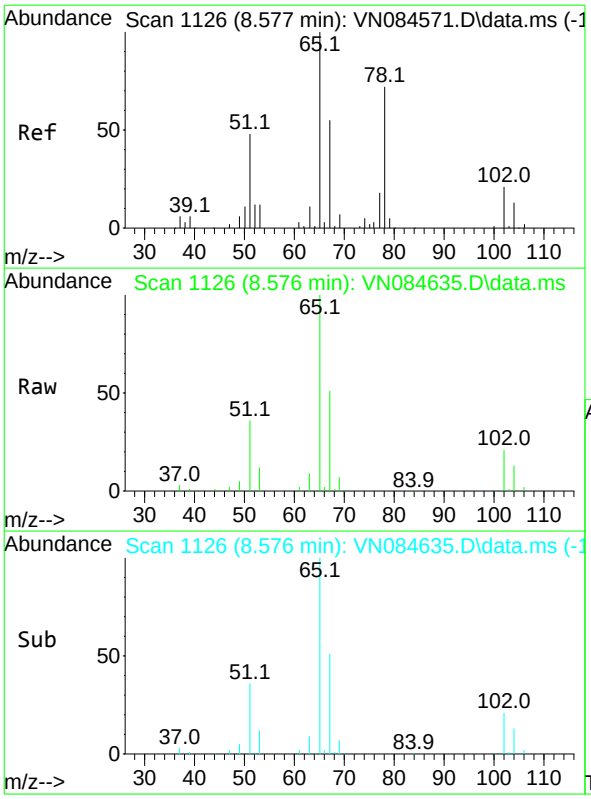


#29
Tetrahydrofuran
Concen: 9.309 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 42 Resp: 7157

Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	43.0	32.2	48.4



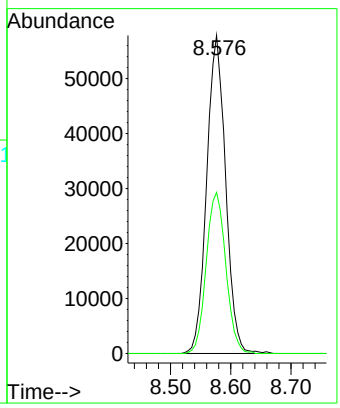


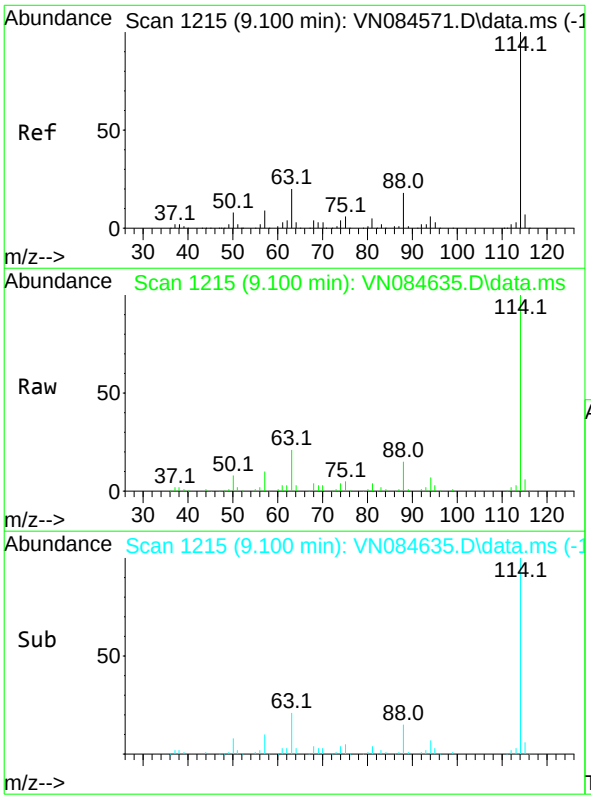
#33
1,2-Dichloroethane-d4
Concen: 50.788 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Tgt Ion: 65 Resp: 126157

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.0

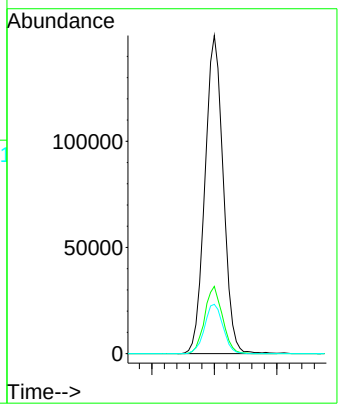


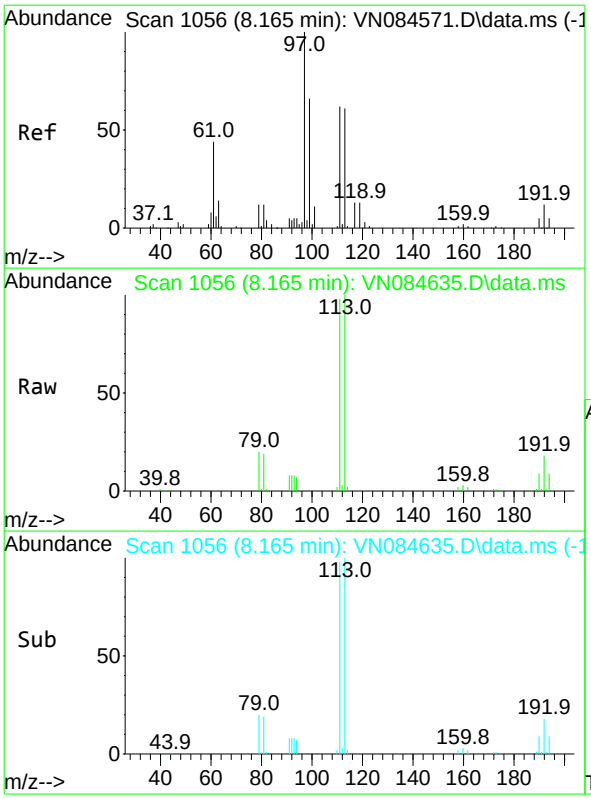


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion:114 Resp: 304211

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.5	0.0	31.6



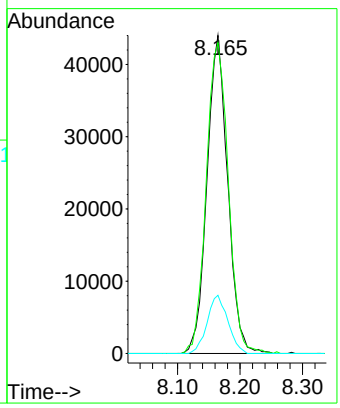


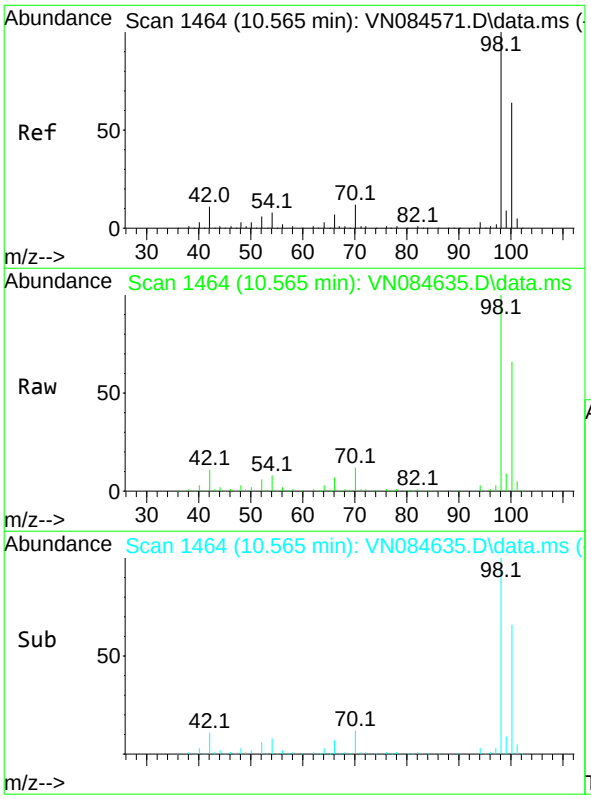
#35
Dibromofluoromethane
Concen: 49.210 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Tgt Ion:113 Resp: 101331

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.3	13.5	20.3

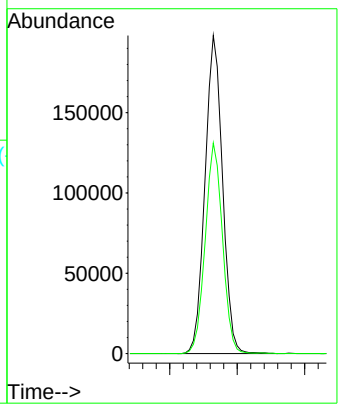


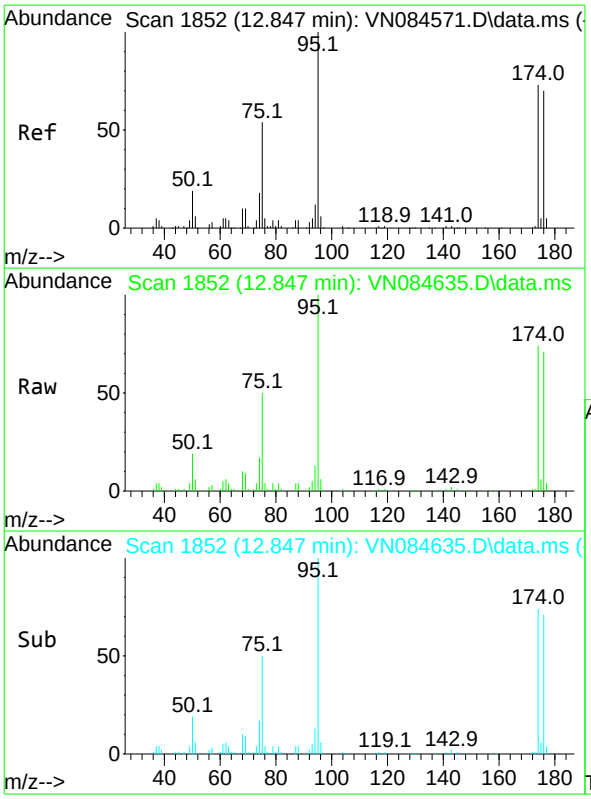


#50
Toluene-d8
Concen: 47.037 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion: 98 Resp: 356786

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1



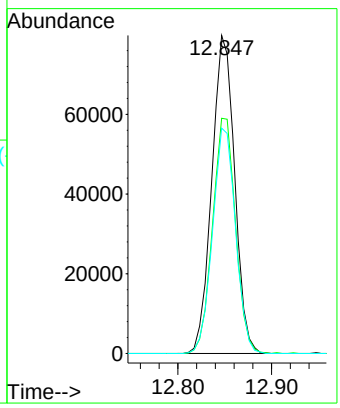


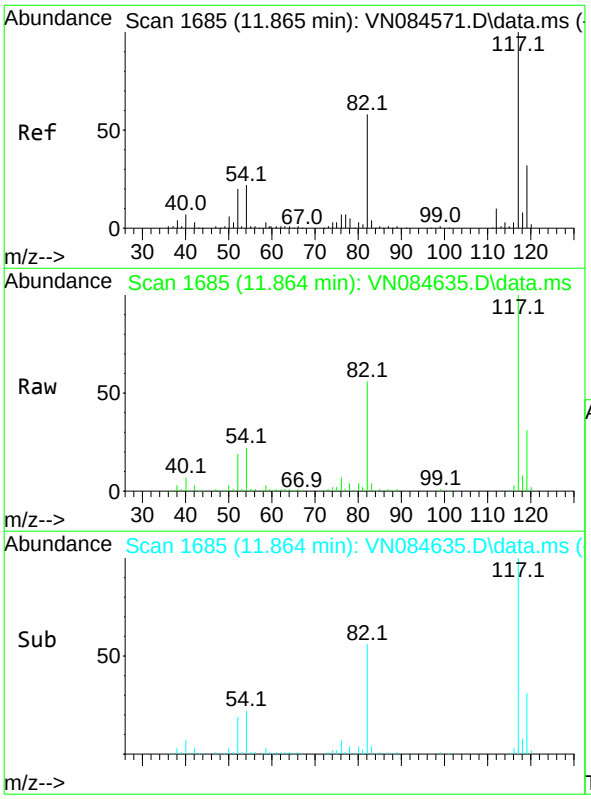
#62
4-Bromofluorobenzene
Concen: 47.562 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Tgt Ion: 95 Resp: 134831

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	145.2
176	71.3	0.0	140.0

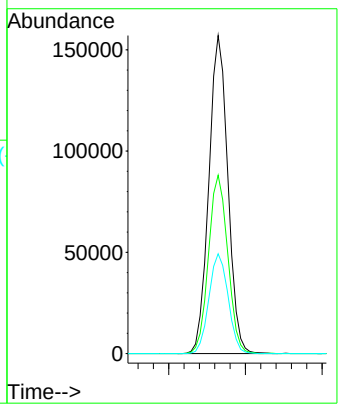


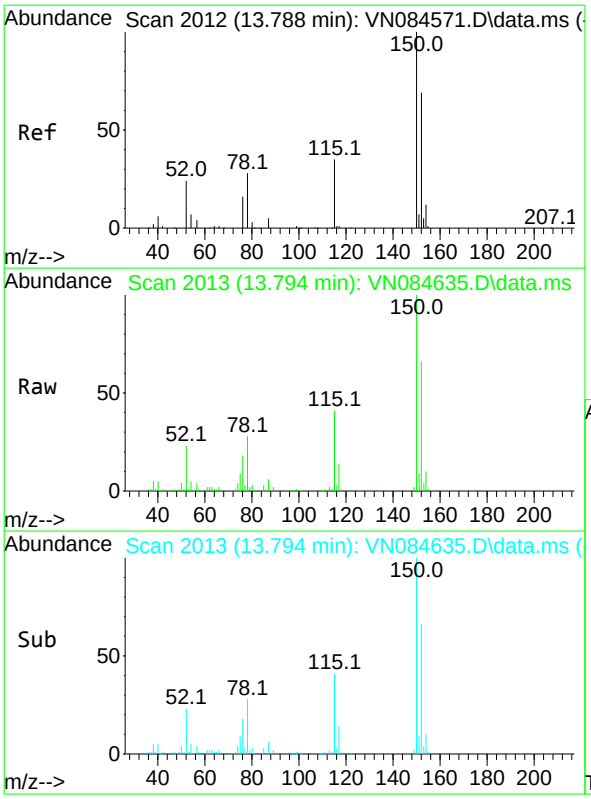


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Tgt Ion:117 Resp: 270682

Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.2	70.8
119	31.4	25.4	38.0



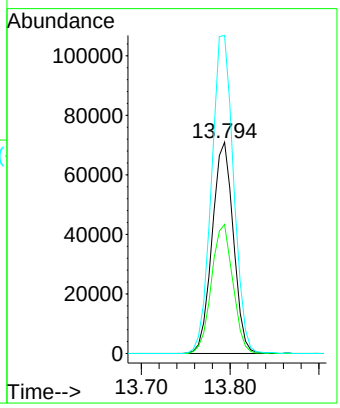


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084635.D
Acq: 01 Nov 2024 13:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

Tgt Ion:152 Resp: 117747

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	157.0	0.0	349.8



Sample Results: **VN084635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

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: VN084635.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.300	55	59	66	rVB3	4507	10621	1.12%	0.206%
2	2.818	138	147	148	rBV5	6748	11460	1.21%	0.223%
3	2.877	149	157	158	rBV5	6203	12649	1.33%	0.246%
4	7.847	994	1002	1010	rBV2	10052	25028	2.64%	0.486%
5	8.165	1045	1056	1060	rBV	142444	327648	34.51%	6.366%
6	8.223	1060	1066	1082	rVB	240119	543758	57.27%	10.565%
7	8.576	1117	1126	1138	rBV2	156070	344807	36.32%	6.700%
8	9.100	1206	1215	1226	rBV	351756	716967	75.51%	13.931%
9	10.565	1456	1464	1478	rBV	520935	949486	100.00%	18.449%
10	11.864	1676	1685	1695	rBV	481480	829846	87.40%	16.124%
11	12.847	1845	1852	1861	rVB	377676	640516	67.46%	12.446%
12	13.794	2005	2013	2023	rVB	431802	733769	77.28%	14.257%

Sum of corrected areas: 5146555

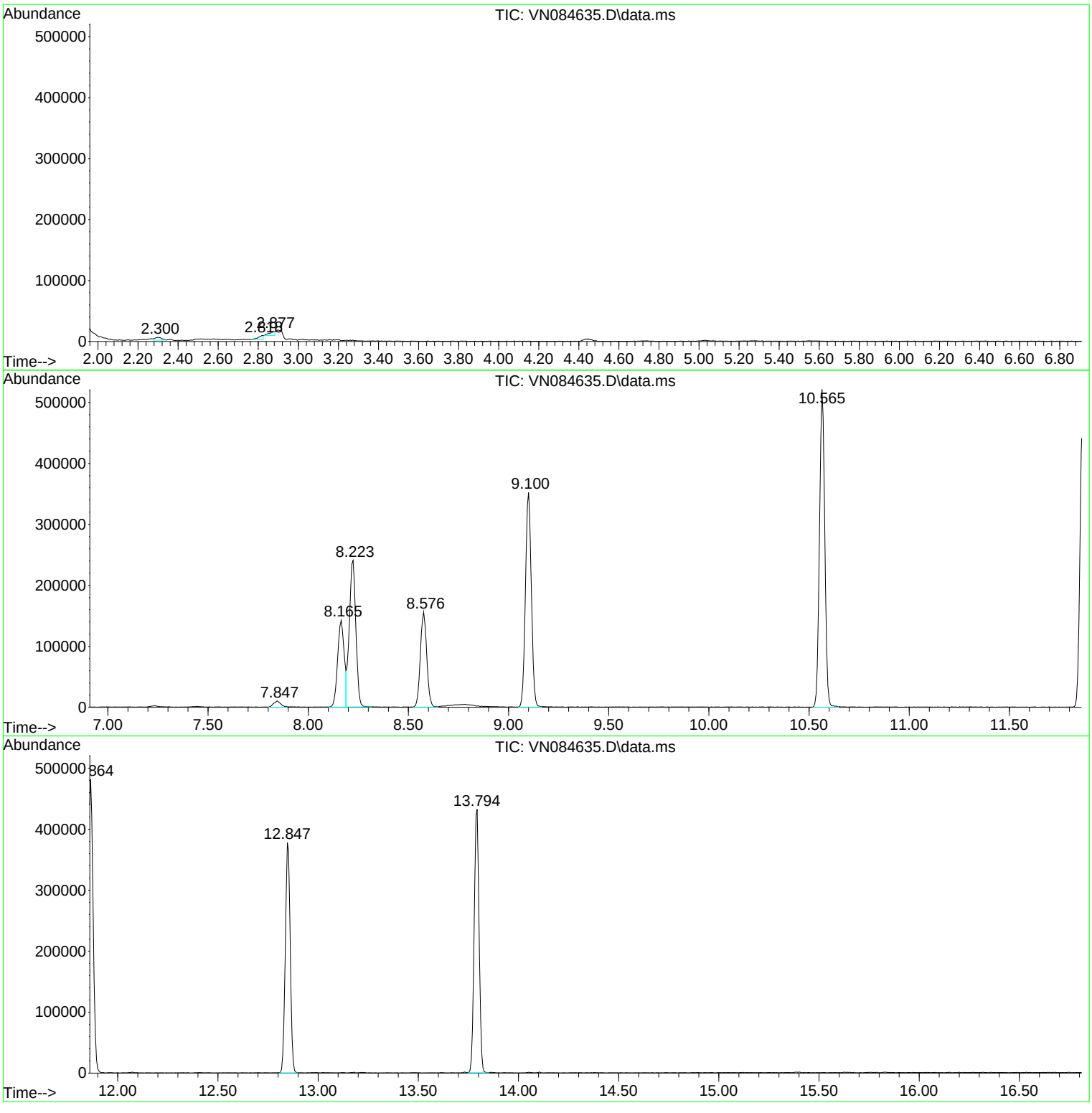
Sample Results: **VN084635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

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\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

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\VN110124\
Data File : VN084635.D
Acq On : 01 Nov 2024 13:53
Operator : JC\MD
Sample : P4665-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-TB-20241029

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	VPB190-HYD-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-02	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
VN084638.D	1		11/01/24 15:06	VN110124

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	VPB190-HYD-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-02	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
VN084638.D	1		11/01/24 15:06	VN110124

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	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.224				
540-36-3	1,4-Difluorobenzene	296000	9.1				
3114-55-4	Chlorobenzene-d5	262000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	114000	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	VPB190-HYD-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-02	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
VN084638.D	1		11/01/24 15:06	VN110124

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\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Quant Time: Nov 04 04:53:52 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

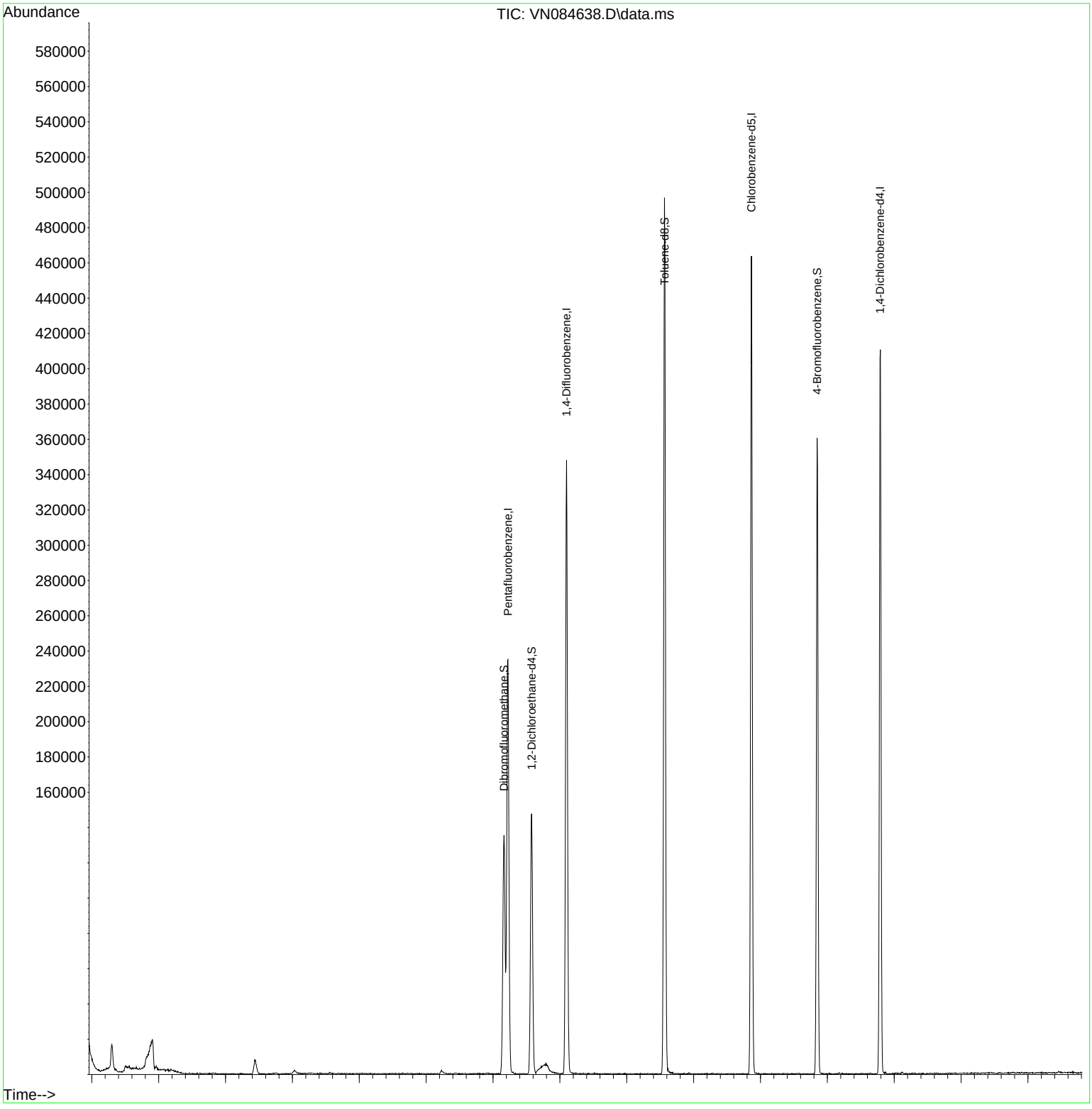
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122273	49.587	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.180%			
35) Dibromofluoromethane	8.165	113	101724	50.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.565	98	340502	46.194	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.380%			
62) 4-Bromofluorobenzene	12.847	95	129227	46.909	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.820%			
Target Compounds						Qvalue

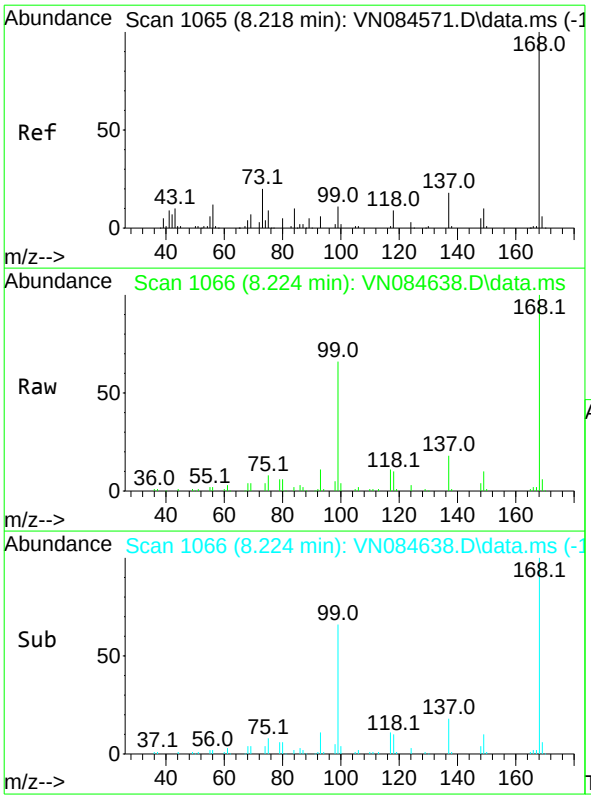
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Quant Time: Nov 04 04:53:52 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



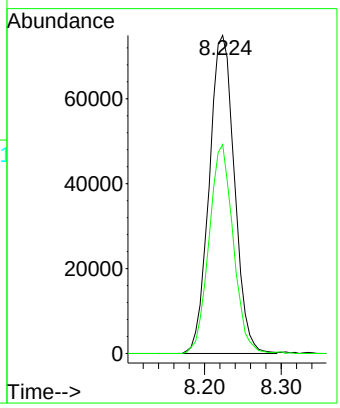


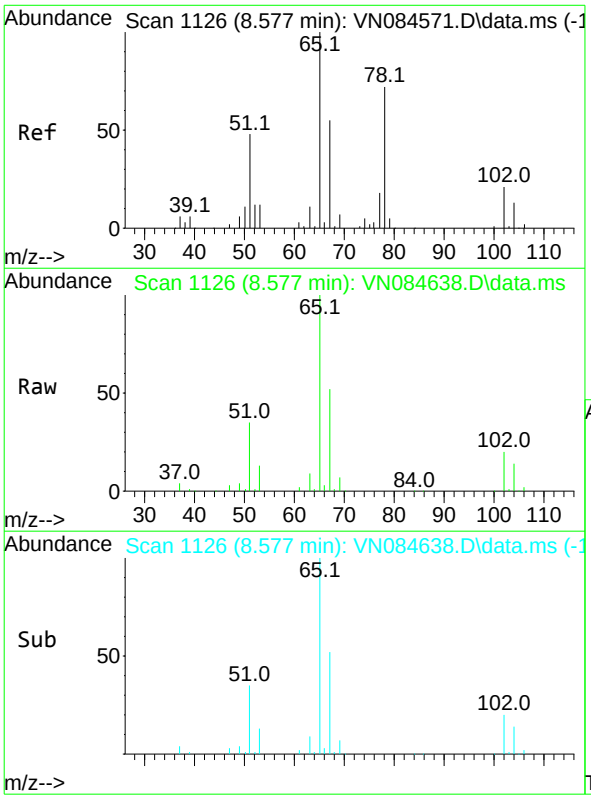
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Tgt Ion:168 Resp: 170724

Ion	Ratio	Lower	Upper
168	100		
99	65.7	54.2	81.2

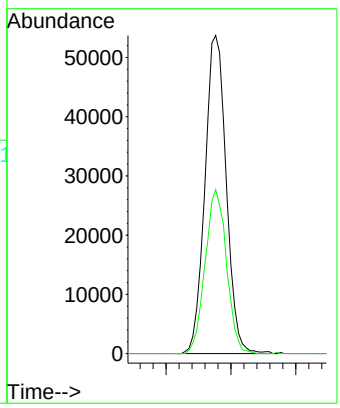


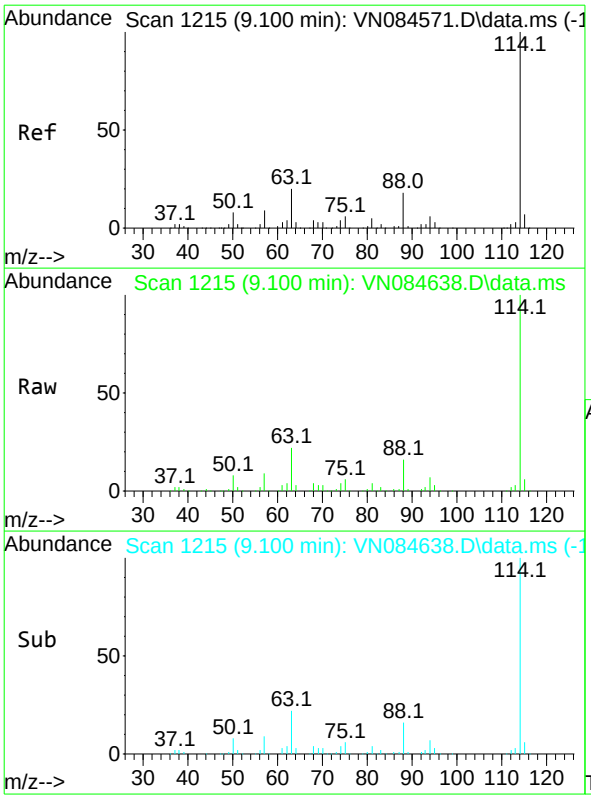


#33
1,2-Dichloroethane-d4
Concen: 49.587 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Tgt Ion: 65 Resp: 122273

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0



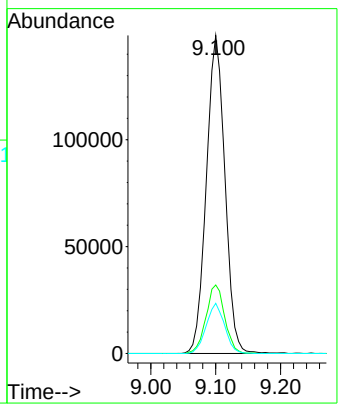


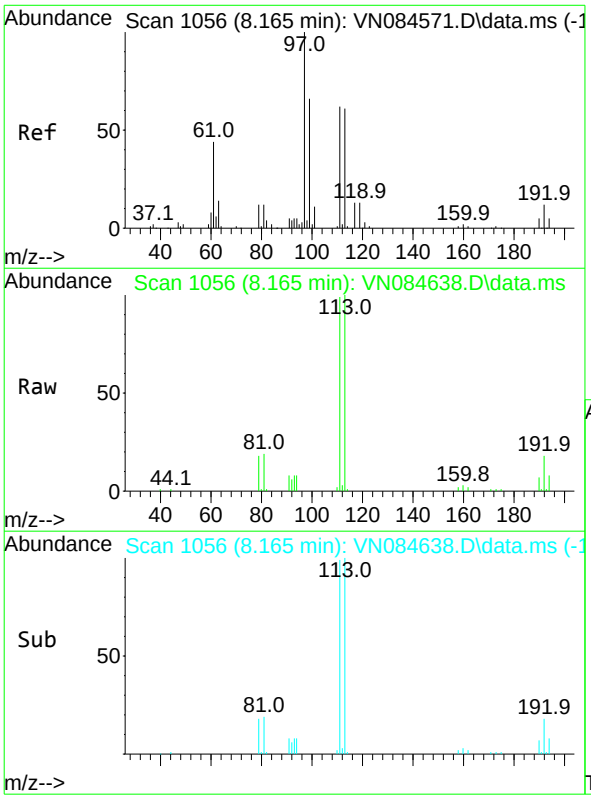
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Tgt Ion:114 Resp: 295624

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	15.8	0.0	31.6

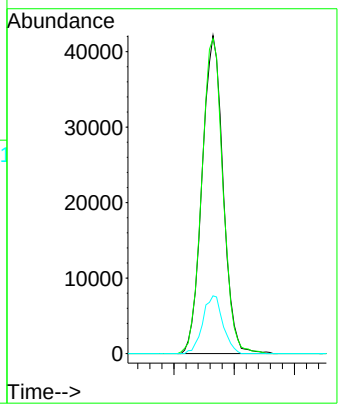


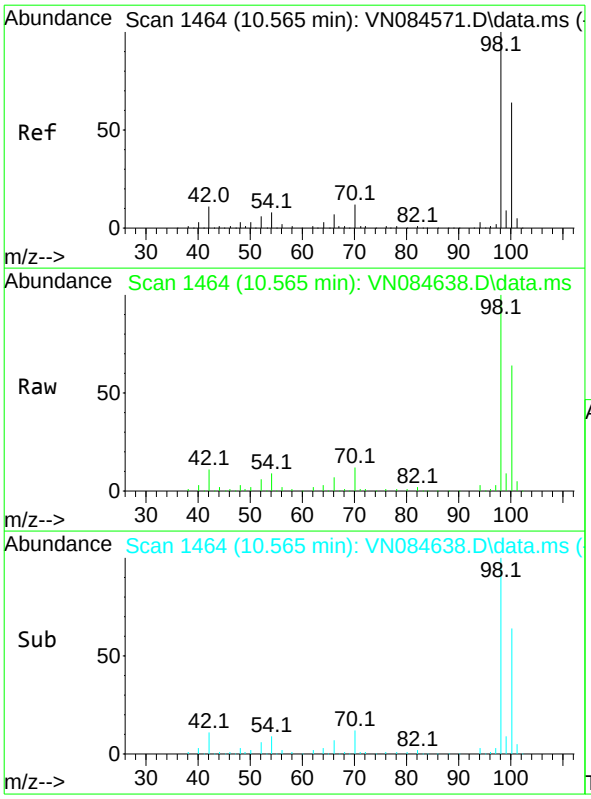


#35
Dibromofluoromethane
Concen: 50.836 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Tgt Ion:113 Resp: 101724

Ion	Ratio	Lower	Upper
113	100		
111	100.2	83.3	124.9
192	17.4	13.5	20.3



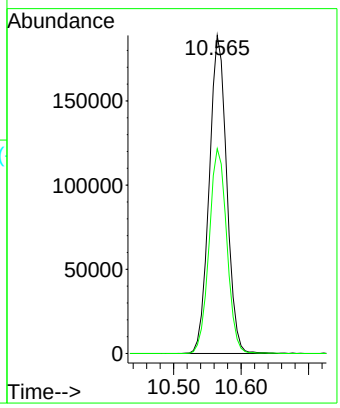


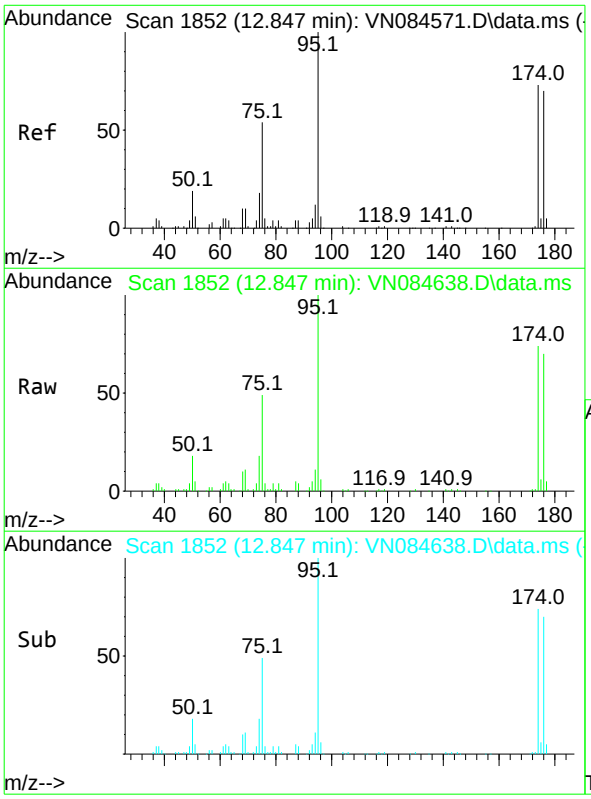
#50
Toluene-d8
Concen: 46.194 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Tgt Ion: 98 Resp: 340502

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

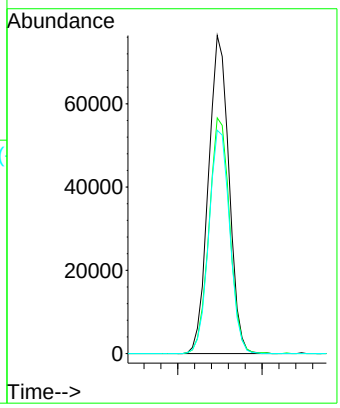


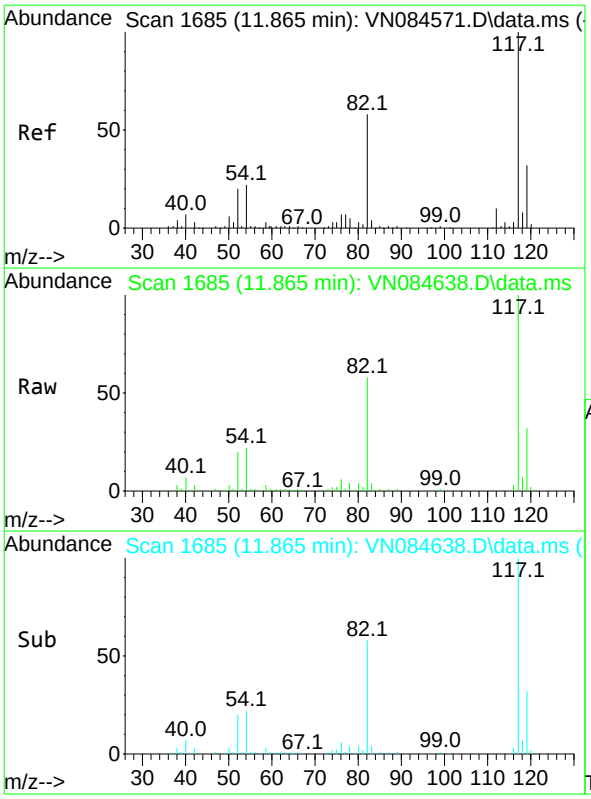


#62
4-Bromofluorobenzene
Concen: 46.909 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Tgt Ion: 95 Resp: 129227

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	71.2	0.0	140.0



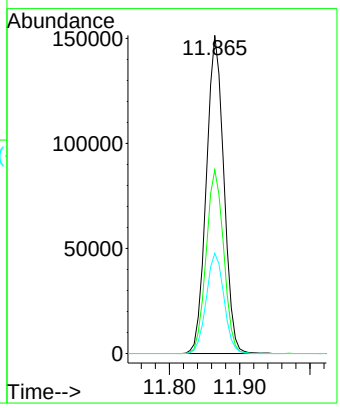


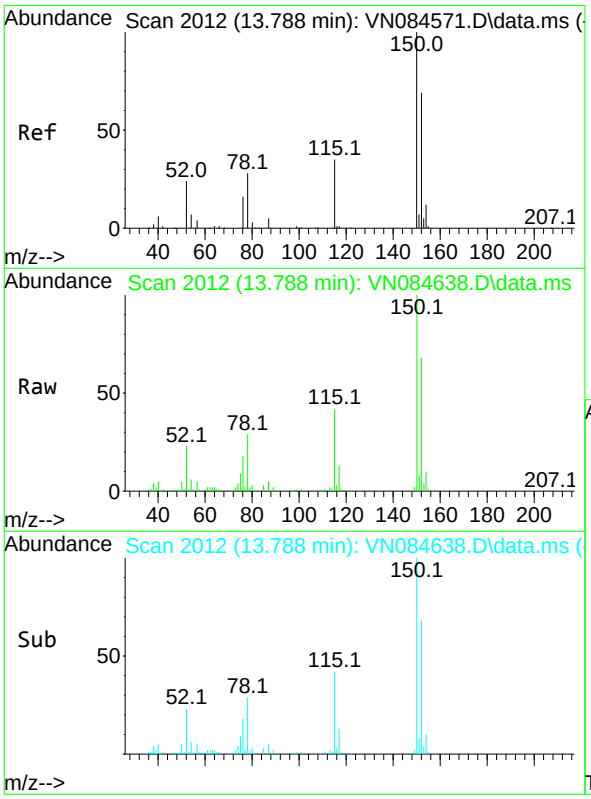
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

Tgt Ion:117 Resp: 261626

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.5	25.4	38.0

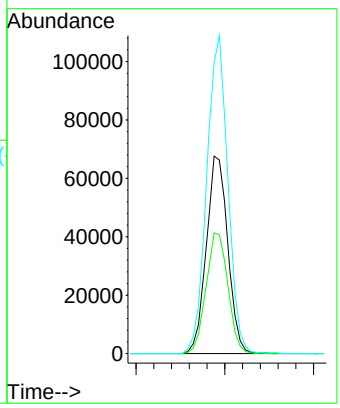




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084638.D
Acq: 01 Nov 2024 15:06

Tgt Ion:152 Resp: 113670

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.9
150	158.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

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: VN084638.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.300	53	59	69	rVB4	14558	31557	3.48%	0.632%
2	2.824	142	148	149	rBV3	5753	10271	1.13%	0.206%
3	4.436	414	422	433	rBV4	8283	23873	2.64%	0.478%
4	8.165	1046	1056	1060	rBV2	135337	317296	35.04%	6.355%
5	8.224	1060	1066	1077	rVB	234120	533159	58.88%	10.678%
6	8.577	1113	1126	1137	rBV	147599	331265	36.58%	6.635%
7	8.724	1137	1151	1152	rBV3	4213	12834	1.42%	0.257%
8	9.100	1206	1215	1228	rBV	347732	699021	77.20%	14.000%
9	10.565	1455	1464	1472	rBV	496673	905512	100.00%	18.136%
10	11.865	1678	1685	1695	rBV	463548	810535	89.51%	16.233%
11	12.847	1845	1852	1860	rBV	360328	615679	67.99%	12.331%
12	13.794	2005	2013	2023	rVB	410322	701989	77.52%	14.059%

Sum of corrected areas: 4992991

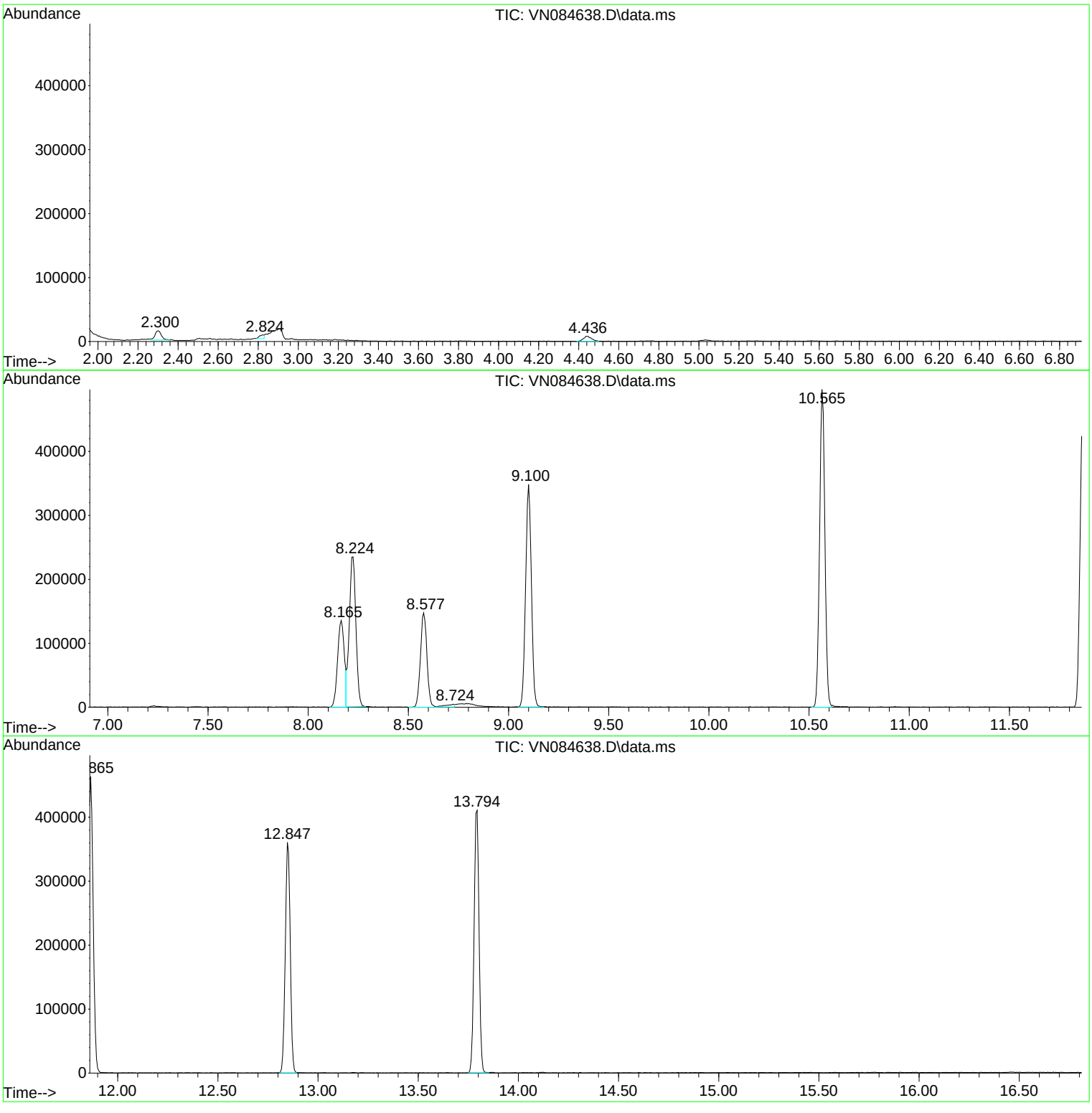
Sample Results: **VN084638.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

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\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

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\VN110124\
Data File : VN084638.D
Acq On : 01 Nov 2024 15:06
Operator : JC\MD
Sample : P4665-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB190-HYD-20241030

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-EB-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-03	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
VN084639.D	1		11/01/24 15:30	VN110124

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-EB-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-03	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
VN084639.D	1		11/01/24 15:30	VN110124

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	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		85 - 114		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.218				
540-36-3	1,4-Difluorobenzene	300000	9.1				
3114-55-4	Chlorobenzene-d5	268000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	115000	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-EB-20241030	SDG No.:	P4665
Lab Sample ID:	P4665-03	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
VN084639.D	1		11/01/24 15:30	VN110124

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\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Quant Time: Nov 04 04:28:47 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

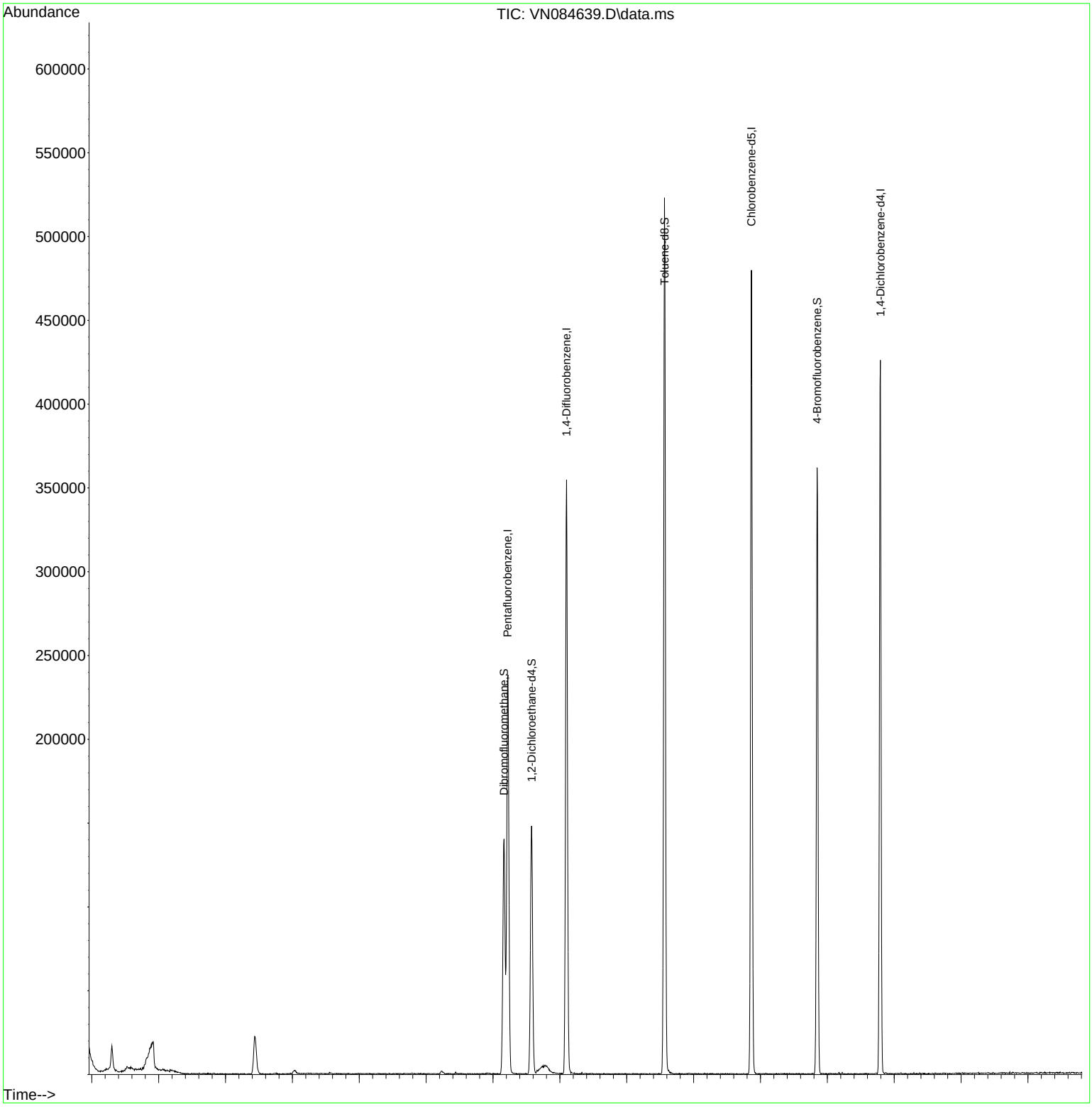
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122982	49.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.740%		
35) Dibromofluoromethane	8.165	113	100539	49.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.100%		
50) Toluene-d8	10.565	98	357815	47.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.740%		
62) 4-Bromofluorobenzene	12.847	95	127690	45.713	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.420%		
Target Compounds						Qvalue

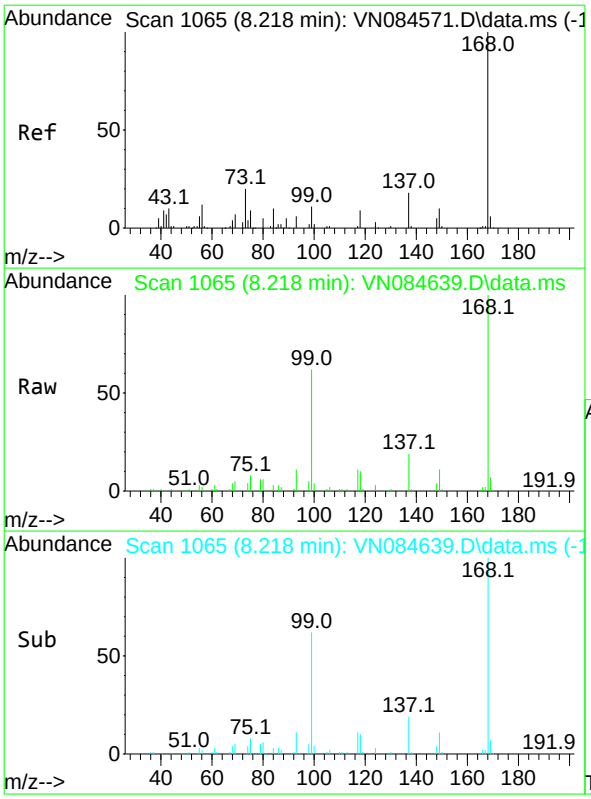
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Quant Time: Nov 04 04:28:47 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



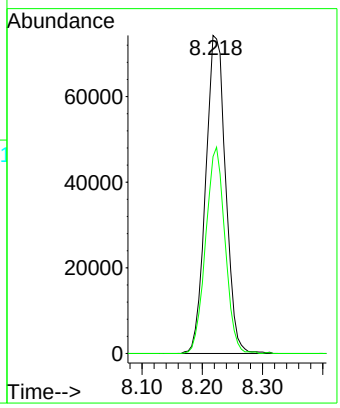


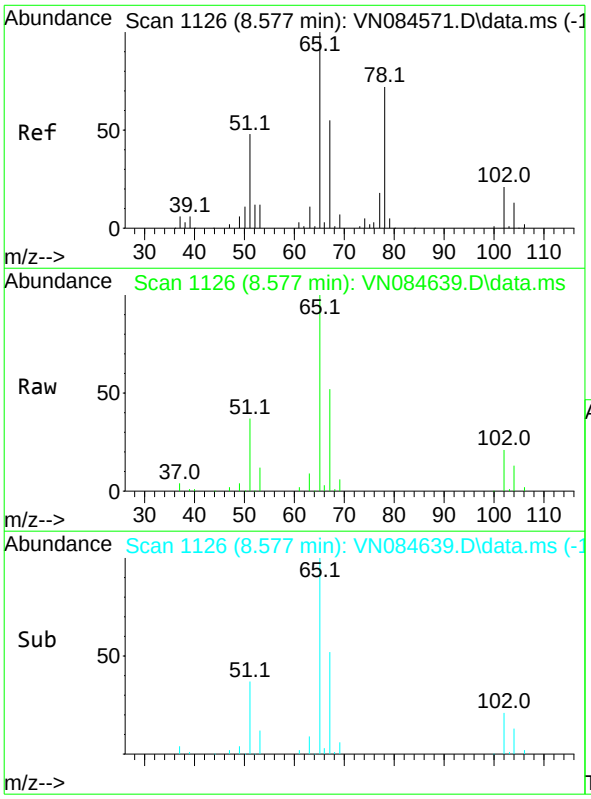
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Tgt Ion:168 Resp: 170733

Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

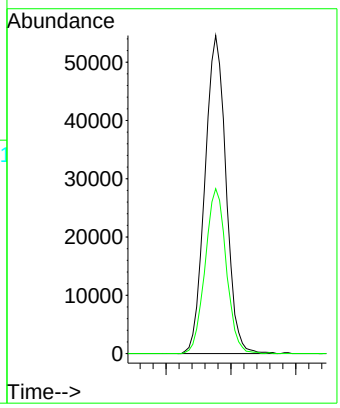


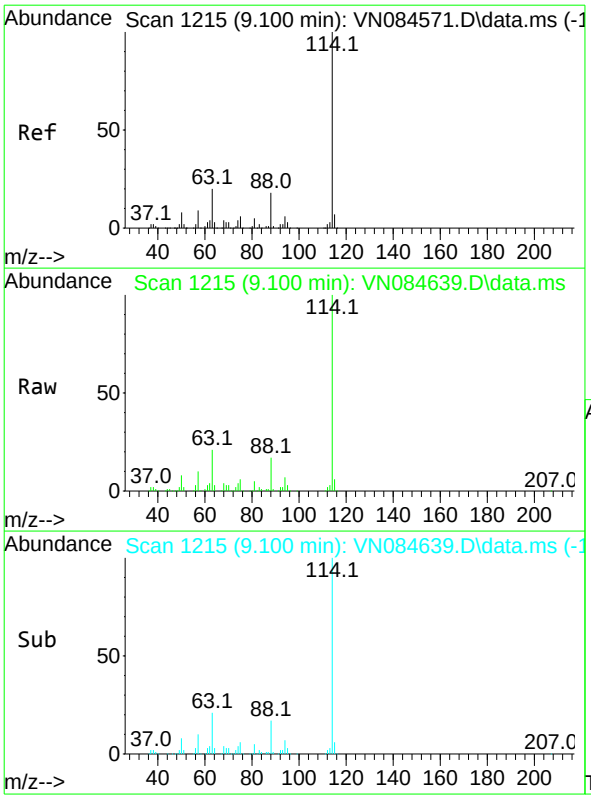


#33
1,2-Dichloroethane-d4
Concen: 49.872 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Tgt Ion: 65 Resp: 122982

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.0



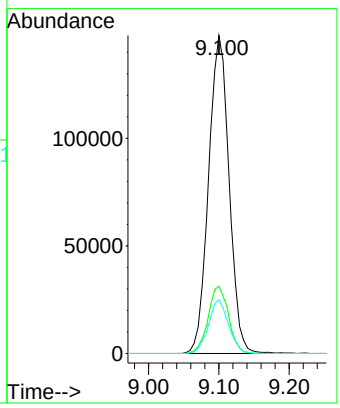


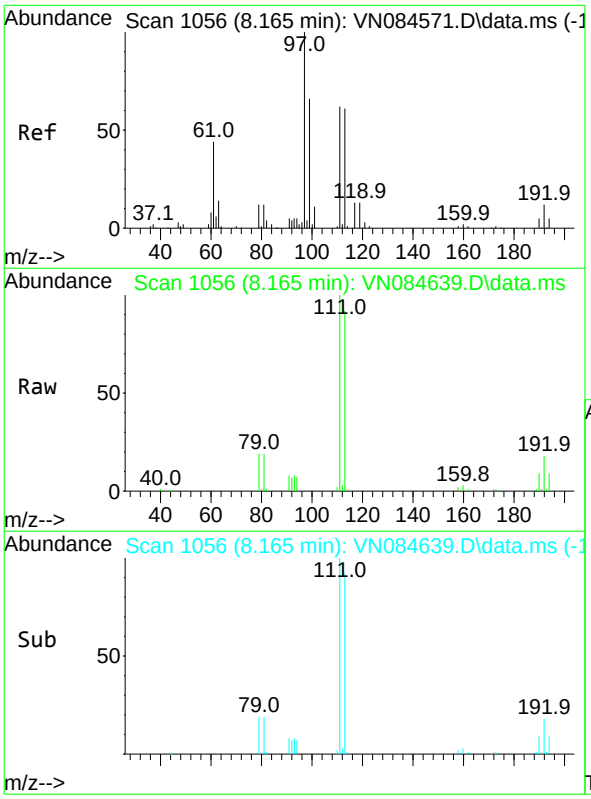
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Tgt Ion:114 Resp: 299750

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	16.9	0.0	31.6

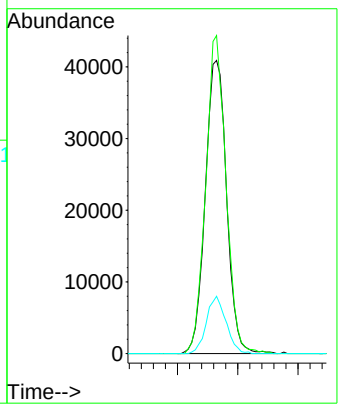


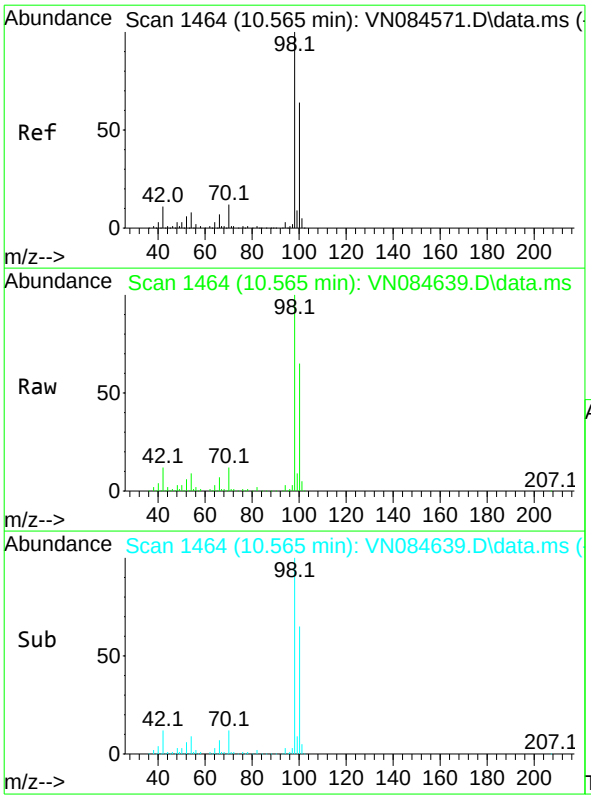


#35
Dibromofluoromethane
Concen: 49.552 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Tgt Ion:113 Resp: 100539

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	18.1	13.5	20.3



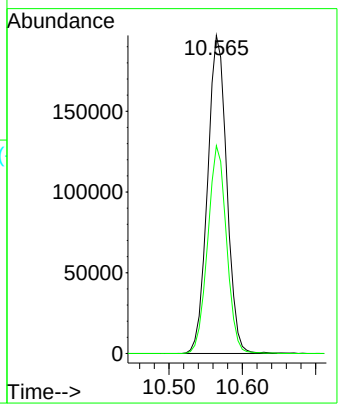


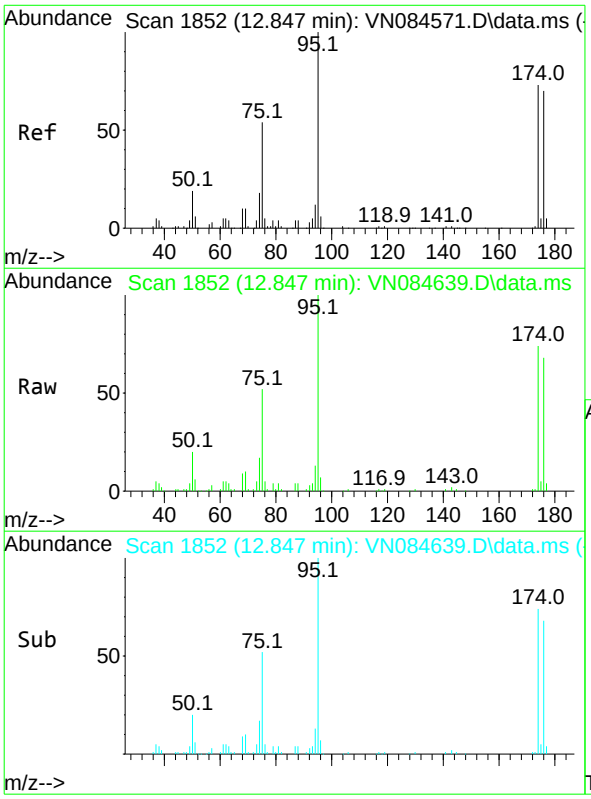
#50
Toluene-d8
Concen: 47.875 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Tgt Ion: 98 Resp: 357815

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.7	79.1

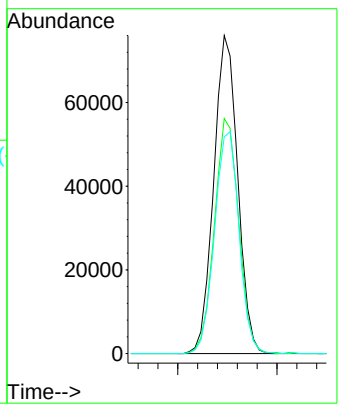


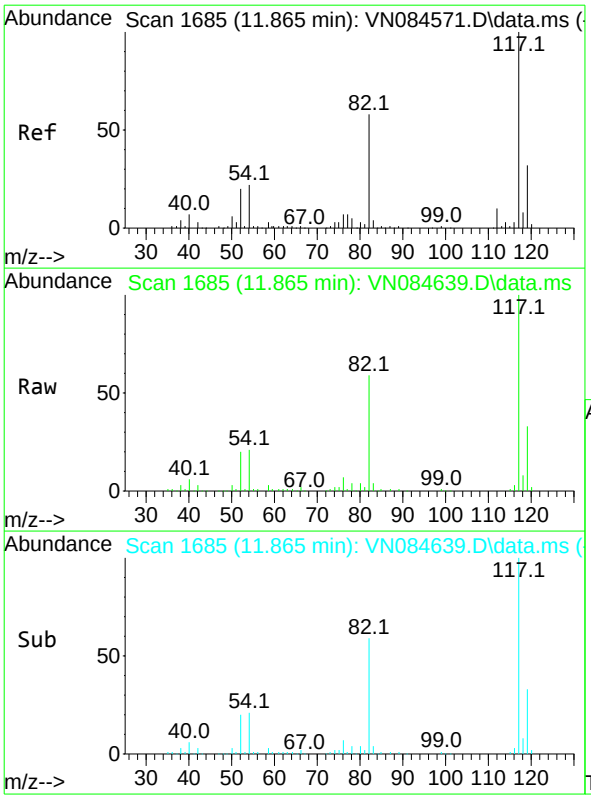


#62
4-Bromofluorobenzene
Concen: 45.713 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Tgt Ion: 95 Resp: 127690

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	71.2	0.0	140.0



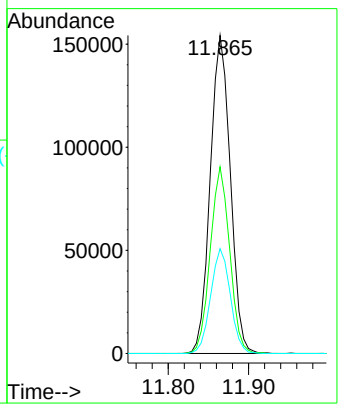


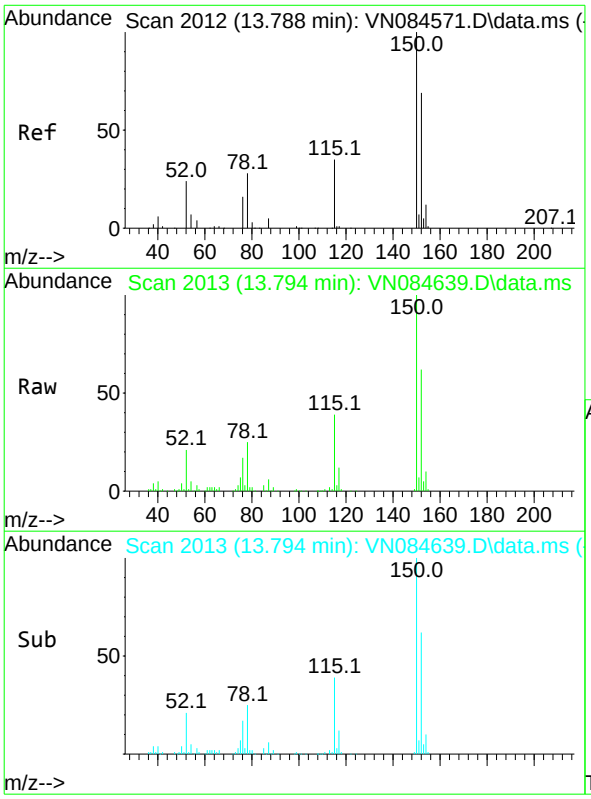
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

Tgt Ion:117 Resp: 267728

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	33.0	25.4	38.0

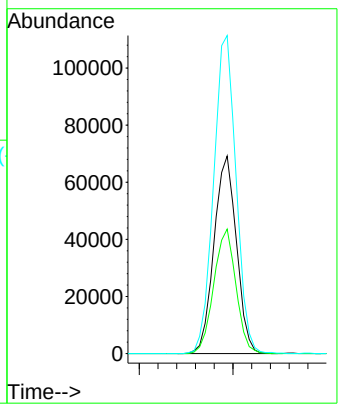




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084639.D
Acq: 01 Nov 2024 15:30

Tgt Ion:152 Resp: 115295

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.3	93.9
150	161.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

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: VN084639.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.300	49	59	68	rVB3	14909	32854	3.48%	0.638%
2	2.824	135	148	149	rBV4	7450	18834	2.00%	0.366%
3	2.900	150	161	162	rBV6	8367	20669	2.19%	0.402%
4	4.436	413	422	435	rBV	22529	66715	7.07%	1.296%
5	8.165	1047	1056	1060	rBV	139956	320825	34.02%	6.232%
6	8.224	1060	1066	1080	rVB	237785	540236	57.29%	10.494%
7	8.577	1117	1126	1137	rBV	147919	335888	35.62%	6.525%
8	9.100	1205	1215	1226	rBV	354293	712664	75.57%	13.844%
9	10.565	1454	1464	1474	rBV	522667	943012	100.00%	18.319%
10	11.865	1676	1685	1696	rBV	479703	823694	87.35%	16.001%
11	12.847	1845	1852	1862	rVB	361883	614134	65.12%	11.930%
12	13.794	2005	2013	2020	rBV	425850	718279	76.17%	13.953%

Sum of corrected areas: 5147804

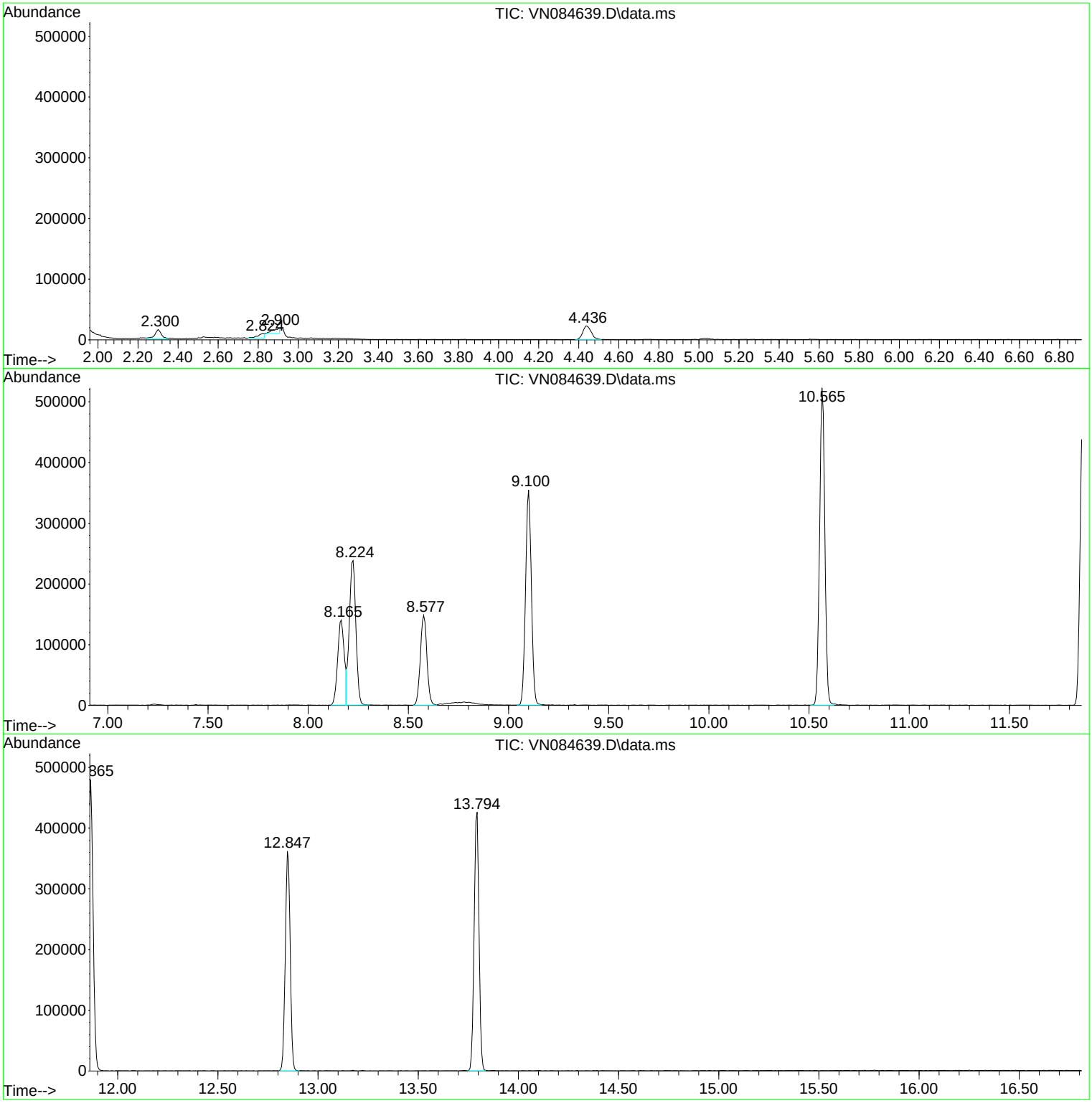
Sample Results: **VN084639.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

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\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

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\VN110124\
Data File : VN084639.D
Acq On : 01 Nov 2024 15:30
Operator : JC\MD
Sample : P4665-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-EB-20241030

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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-538-540	SDG No.:	P4665
Lab Sample ID:	P4665-04	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
VN084640.D	1		11/01/24 15:54	VN110124

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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-538-540	SDG No.:	P4665
Lab Sample ID:	P4665-04	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
VN084640.D	1		11/01/24 15:54	VN110124

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	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	175000	8.224				
540-36-3	1,4-Difluorobenzene	307000	9.1				
3114-55-4	Chlorobenzene-d5	281000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	125000	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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-538-540	SDG No.:	P4665
Lab Sample ID:	P4665-04	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
VN084640.D	1		11/01/24 15:54	VN110124

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\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Quant Time: Nov 04 04:29:11 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

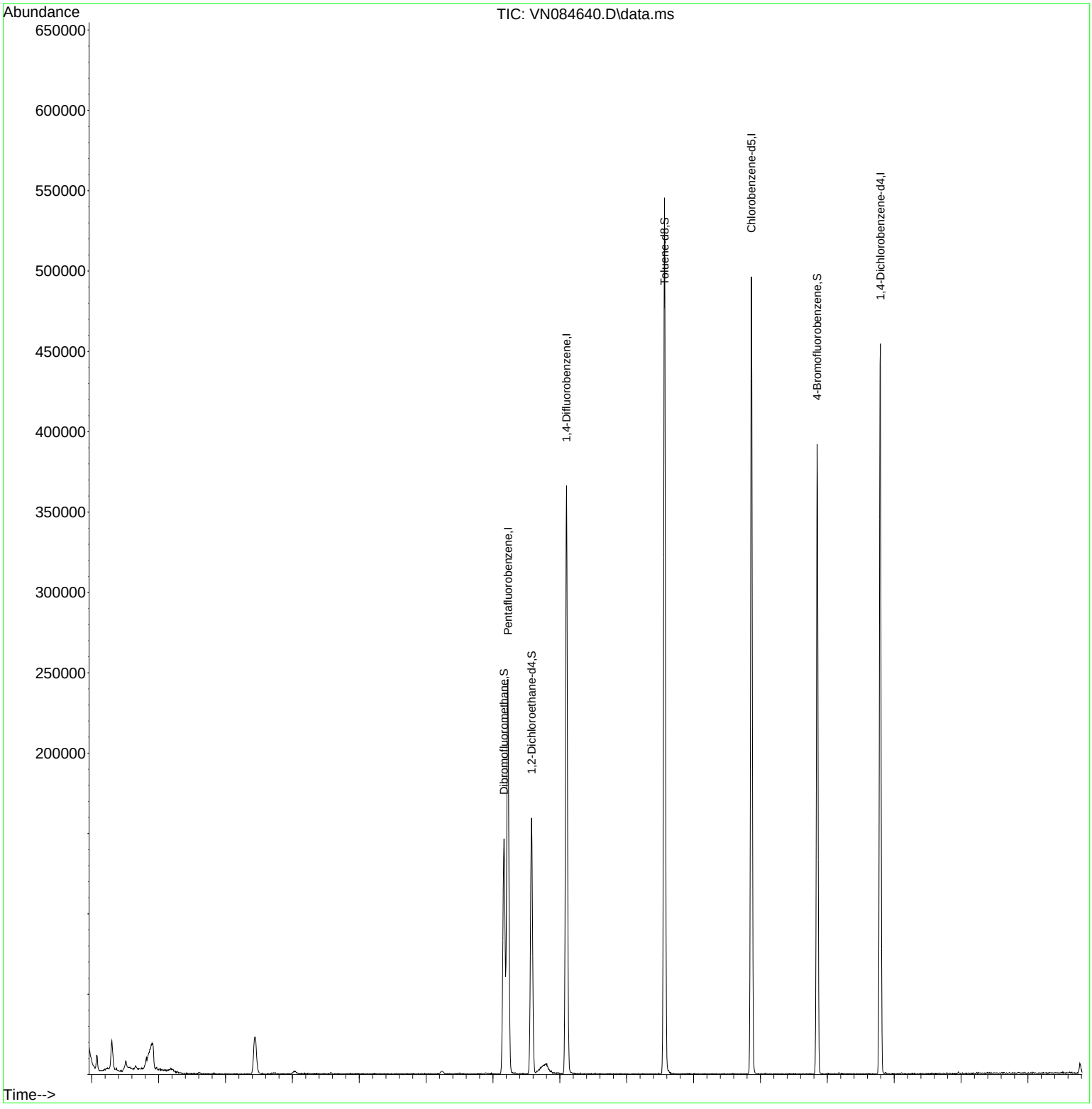
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	175313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130051	51.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.720%			
35) Dibromofluoromethane	8.165	113	105740	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.565	98	371172	48.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.847	95	136575	47.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.400%			
Target Compounds						Qvalue

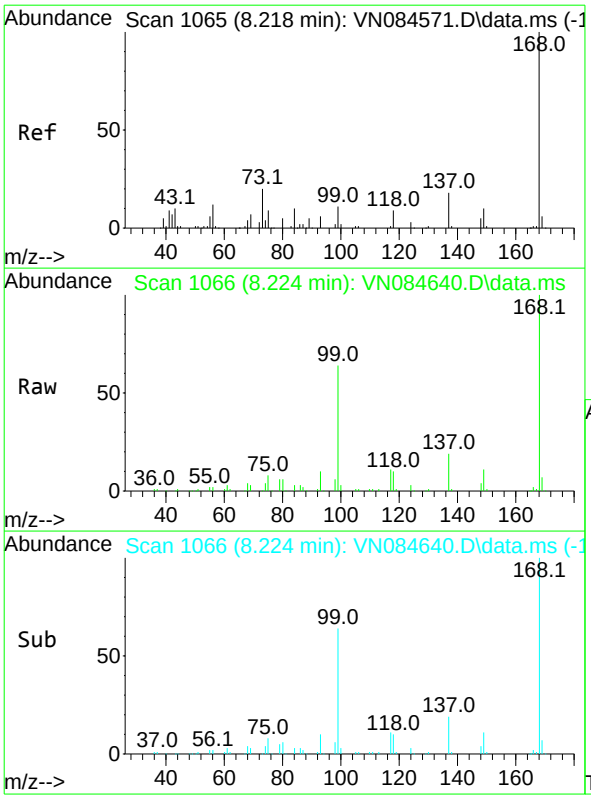
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Quant Time: Nov 04 04:29:11 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



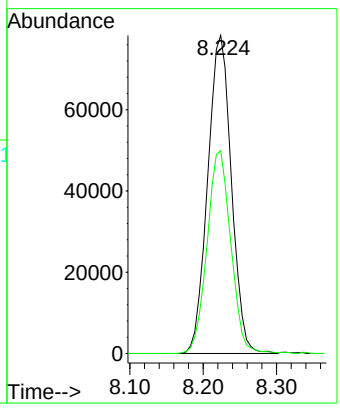


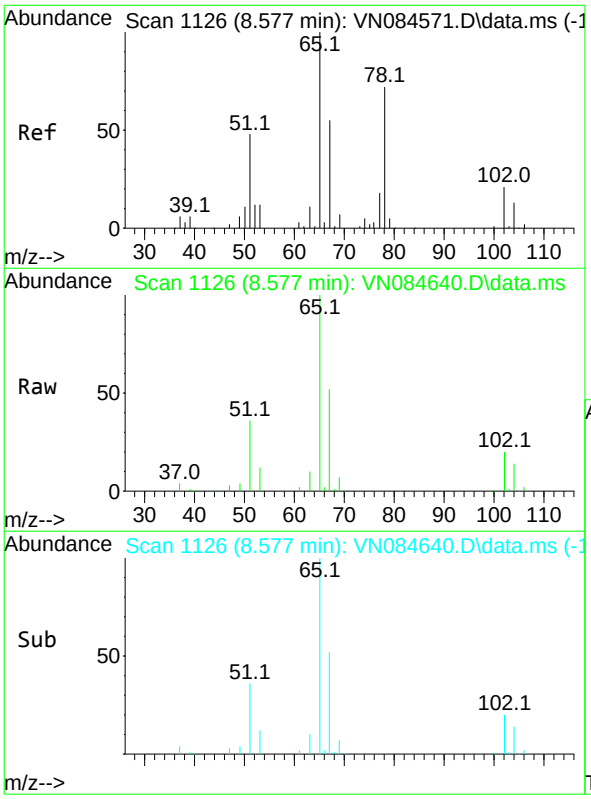
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Tgt Ion:168 Resp: 175313

Ion	Ratio	Lower	Upper
168	100		
99	63.8	54.2	81.2

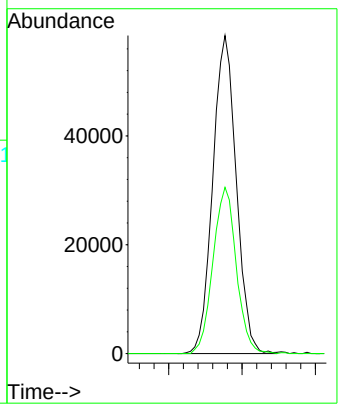


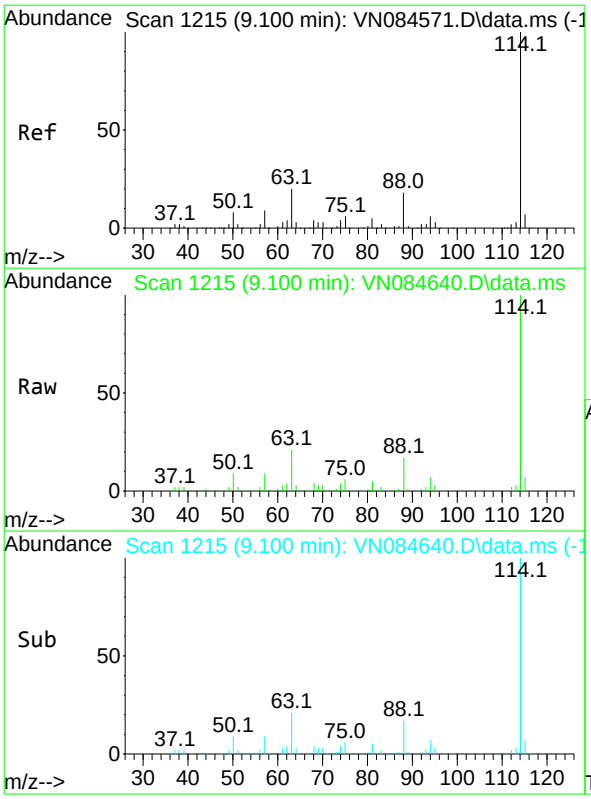


#33
1,2-Dichloroethane-d4
Concen: 51.361 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Tgt Ion: 65 Resp: 130051

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



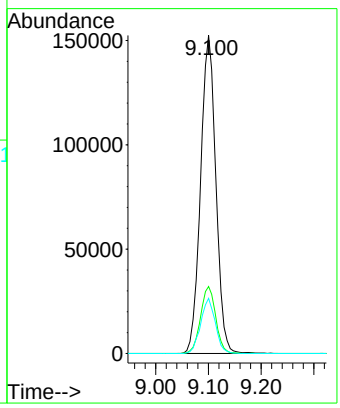


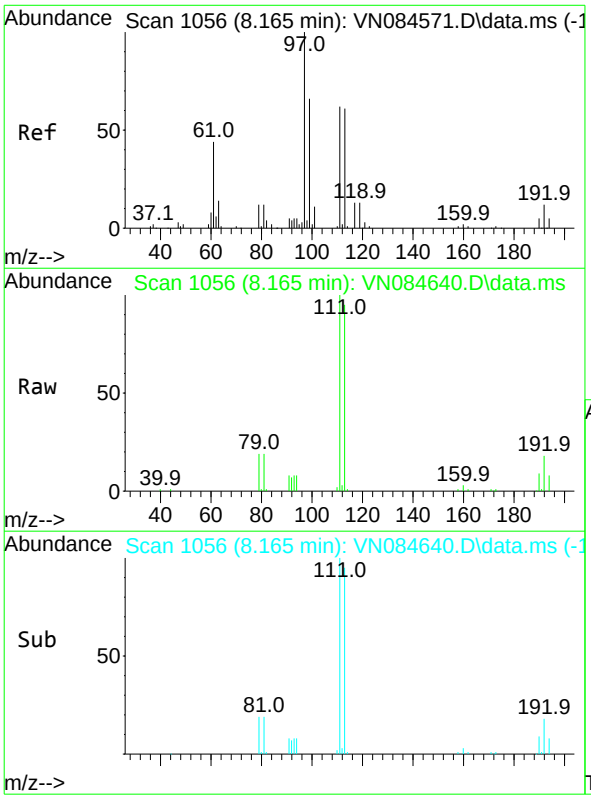
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Tgt Ion:114 Resp: 307267

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	17.3	0.0	31.6

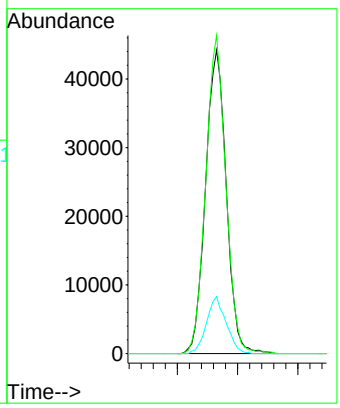


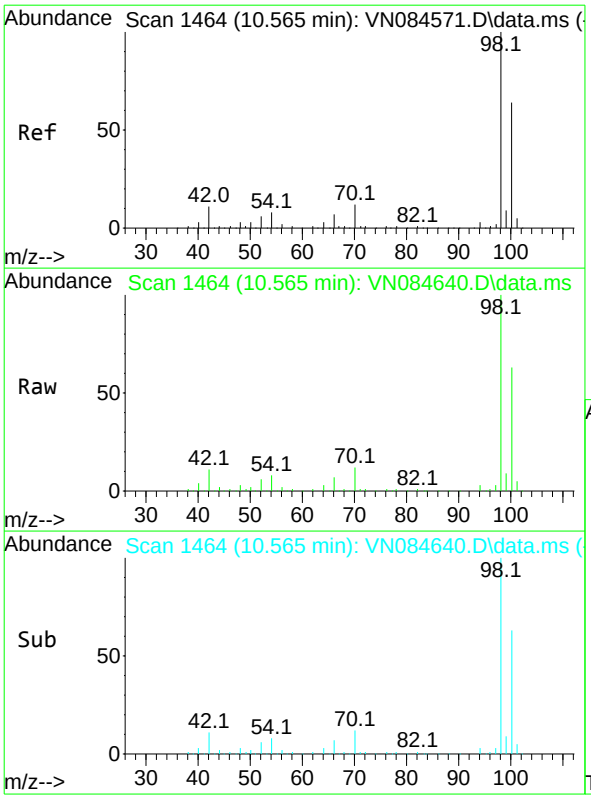


#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Tgt Ion:113 Resp: 105740

Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.3	124.9
192	17.7	13.5	20.3



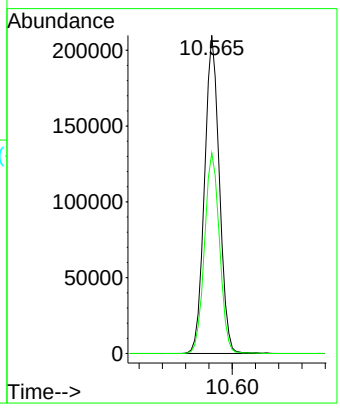


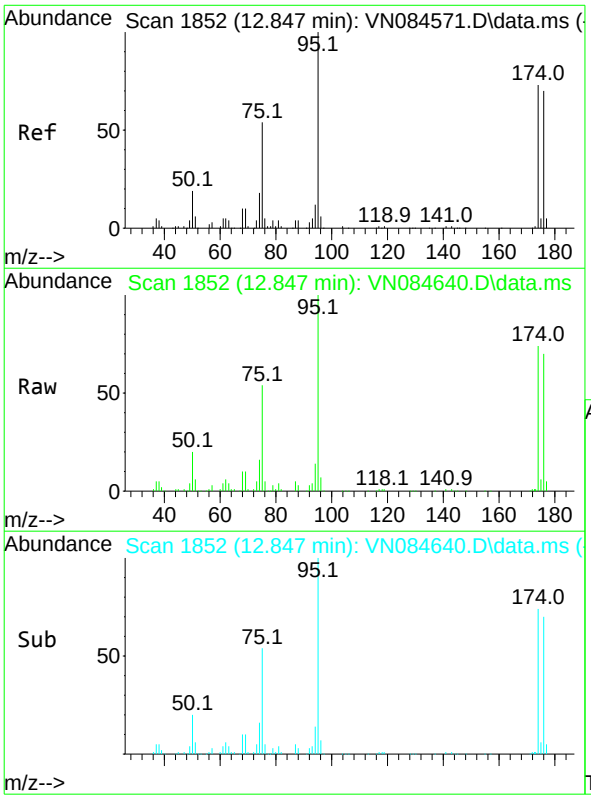
#50
Toluene-d8
Concen: 48.447 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Tgt Ion: 98 Resp: 371172

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.7	79.1

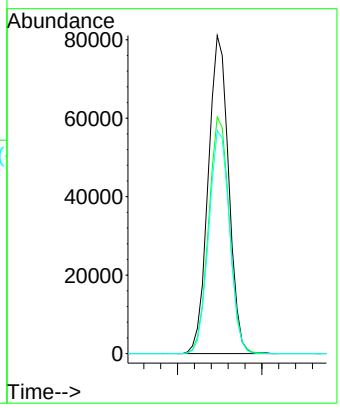


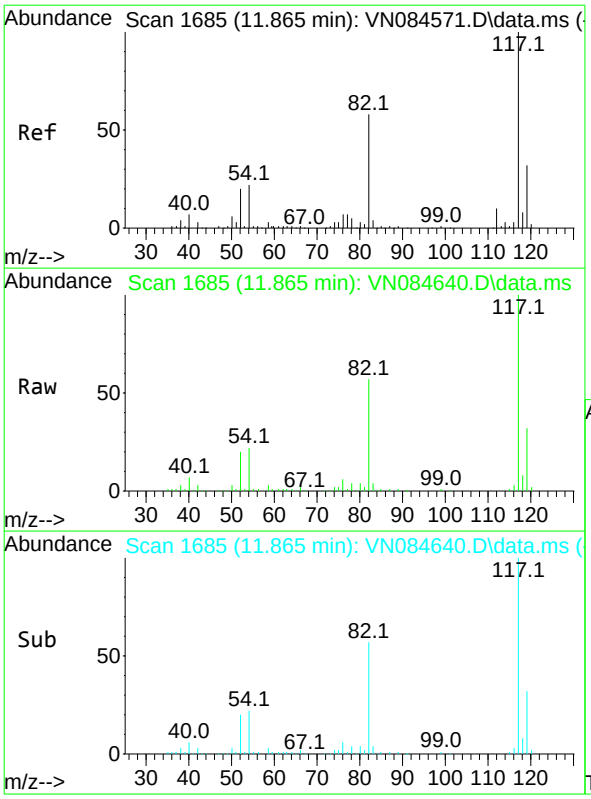


#62
4-Bromofluorobenzene
Concen: 47.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Tgt Ion: 95 Resp: 136575

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	145.2
176	71.2	0.0	140.0



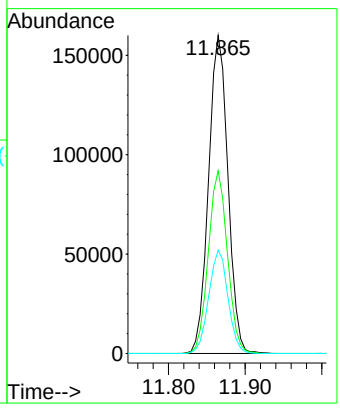


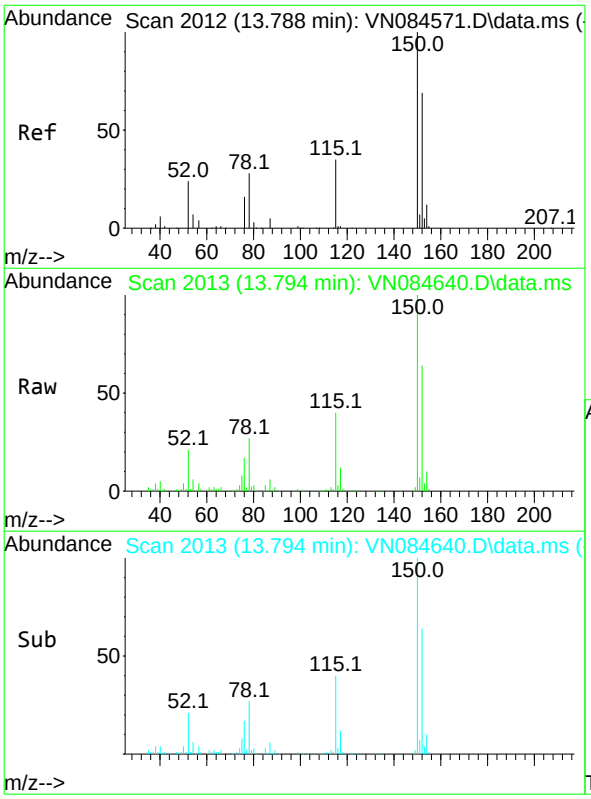
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

Tgt Ion:117 Resp: 280834

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	32.5	25.4	38.0

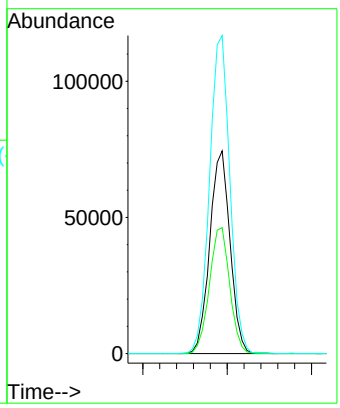




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084640.D
Acq: 01 Nov 2024 15:54

Tgt Ion:152 Resp: 124509

Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.3	93.9
150	157.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

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: VN084640.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	16	21	27	rVB4	9657	15992	1.64%	0.296%
2	2.301	52	59	66	rVB2	17862	35483	3.64%	0.657%
3	2.507	85	94	100	rBV5	6828	17711	1.82%	0.328%
4	2.818	139	147	148	rBV3	6860	10641	1.09%	0.197%
5	2.871	148	156	157	rBV6	7122	14448	1.48%	0.267%
6	4.442	411	423	440	rVB2	23259	74102	7.61%	1.371%
7	8.165	1045	1056	1060	rBV	146353	335905	34.48%	6.215%
8	8.224	1060	1066	1076	rVB	245000	549163	56.37%	10.162%
9	8.577	1116	1126	1136	rBV	159430	354155	36.35%	6.553%
10	9.100	1206	1215	1226	rBV	366069	735441	75.49%	13.608%
11	10.565	1455	1464	1473	rBV	545135	974214	100.00%	18.026%
12	11.865	1676	1685	1699	rBV	496073	865585	88.85%	16.016%
13	12.847	1844	1852	1860	rBV	392040	654493	67.18%	12.110%
14	13.794	2005	2013	2023	rVB	454111	767016	78.73%	14.193%

Sum of corrected areas: 5404349

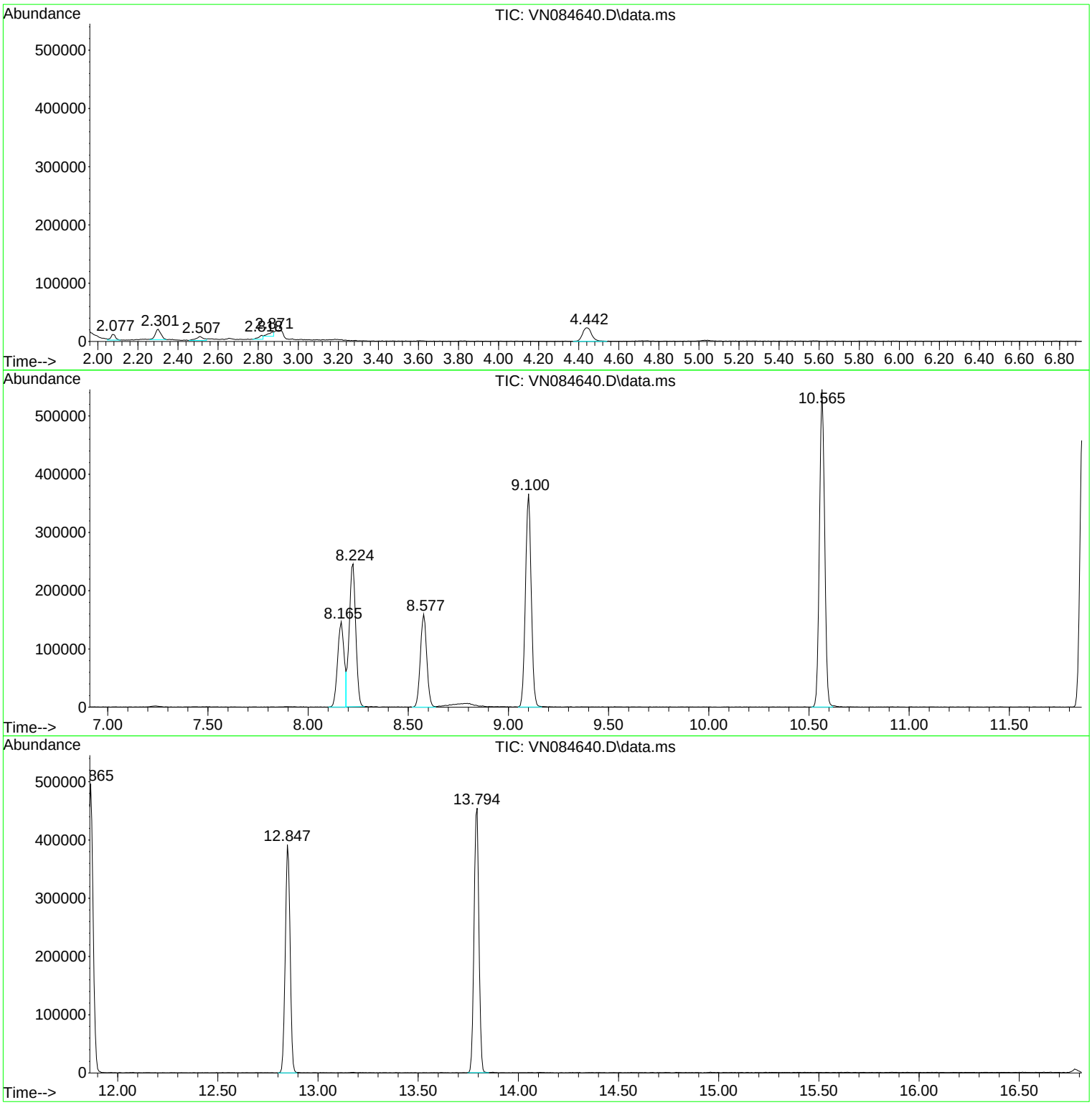
Sample Results: **VN084640.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

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\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

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\VN110124\
Data File : VN084640.D
Acq On : 01 Nov 2024 15:54
Operator : JC\MD
Sample : P4665-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-538-540

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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-558-560	SDG No.:	P4665
Lab Sample ID:	P4665-05	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
VN084636.D	1		11/01/24 14:17	VN110124

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	6.80		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	2.60	J	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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-558-560	SDG No.:	P4665
Lab Sample ID:	P4665-05	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
VN084636.D	1		11/01/24 14:17	VN110124

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	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	46.8		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	8.224				
540-36-3	1,4-Difluorobenzene	311000	9.1				
3114-55-4	Chlorobenzene-d5	279000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	122000	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:	10/29/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-558-560	SDG No.:	P4665
Lab Sample ID:	P4665-05	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
VN084636.D	1		11/01/24 14:17	VN110124

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\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Quant Time: Nov 04 04:27:32 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

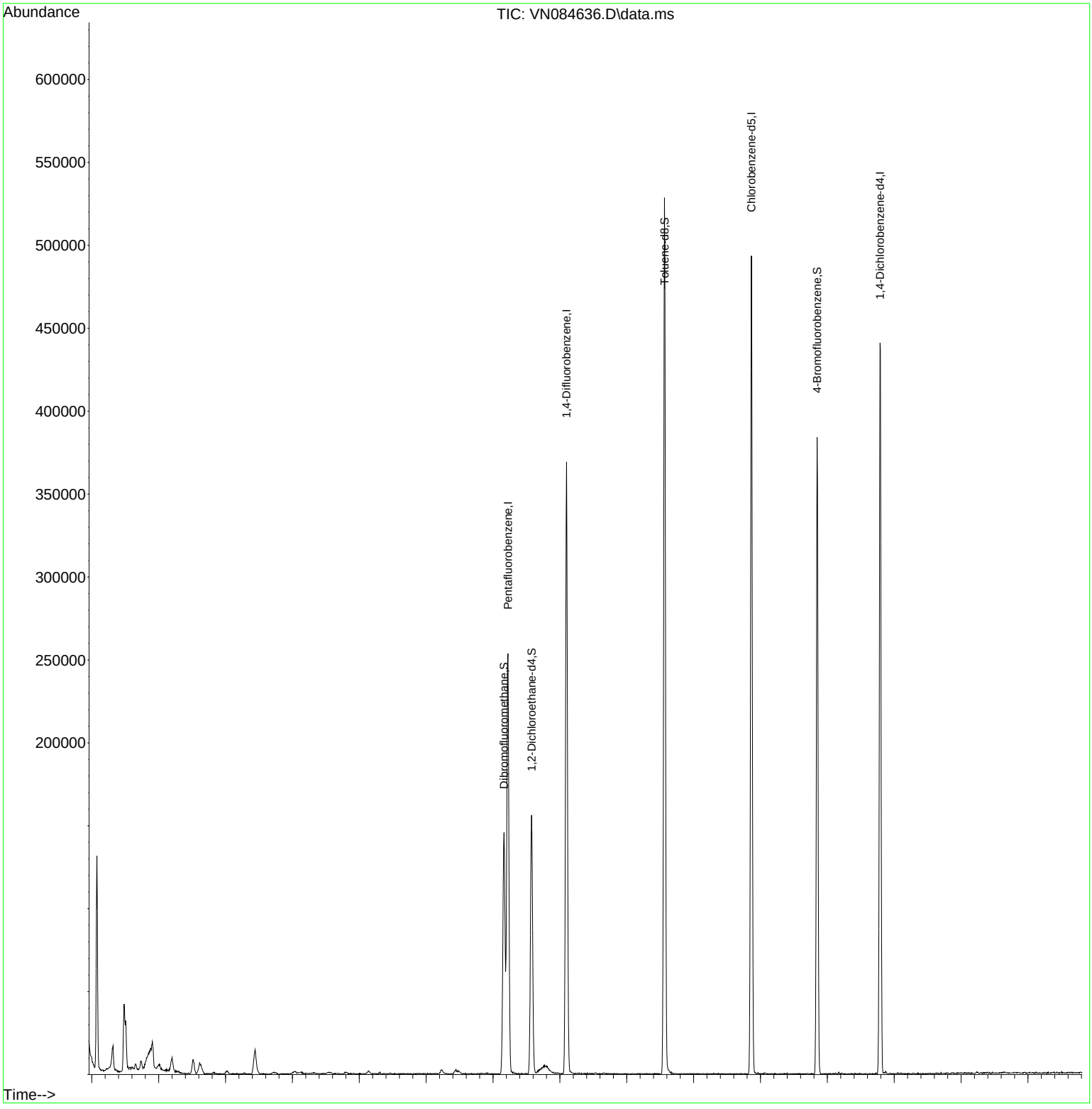
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	179662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129567	49.931	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.860%		
35) Dibromofluoromethane	8.165	113	105034	49.832	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.660%		
50) Toluene-d8	10.565	98	363147	46.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.540%		
62) 4-Bromofluorobenzene	12.847	95	133946	46.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.320%		
Target Compounds						Qvalue
16) Acetone	4.430	43	7153	6.767	ug/l	97
25) 2-Butanone	7.488	43	3151	2.603	ug/l	91

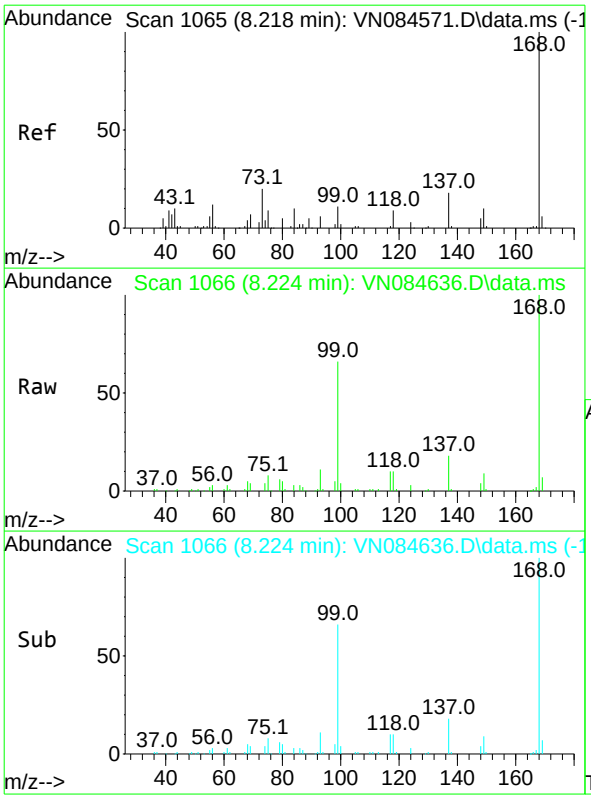
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Quant Time: Nov 04 04:27:32 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



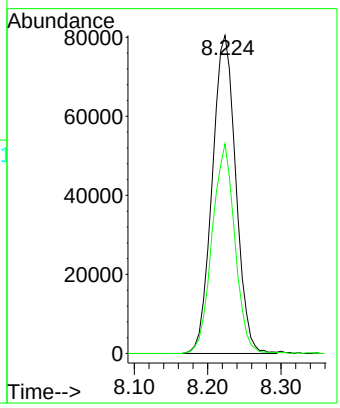


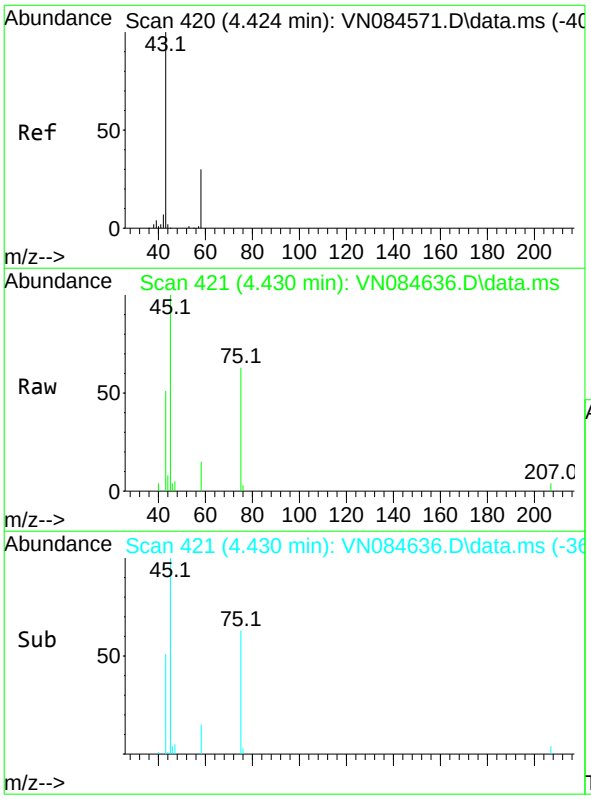
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Tgt Ion:168 Resp: 179662

Ion	Ratio	Lower	Upper
168	100		
99	65.9	54.2	81.2

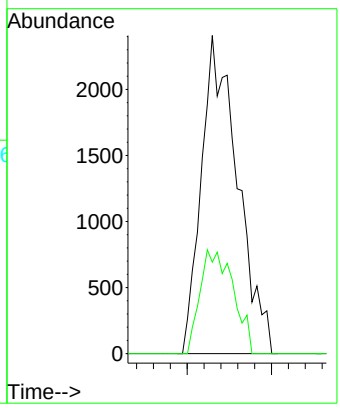


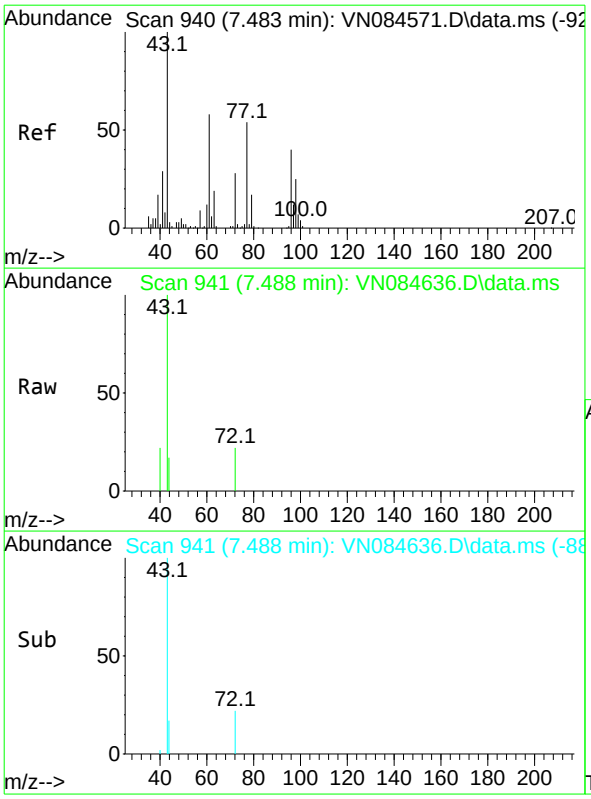


#16
Acetone
Concen: 6.767 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Tgt Ion: 43 Resp: 7153

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.4	36.6



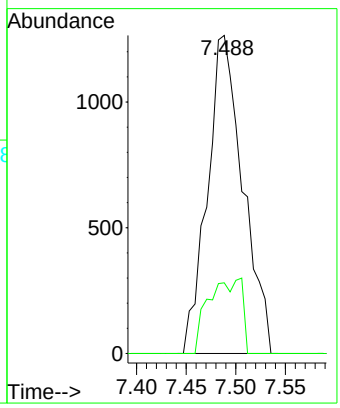


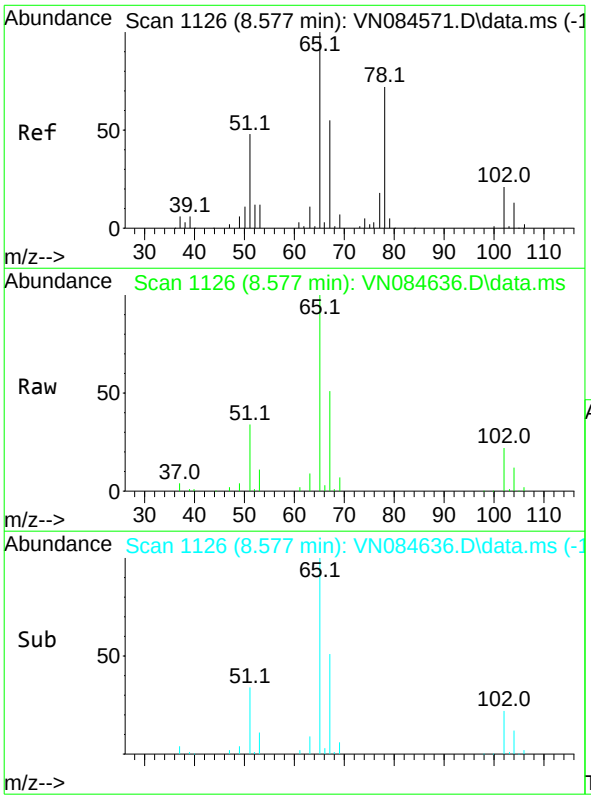
#25
2-Butanone
Concen: 2.603 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Tgt Ion: 43 Resp: 3151

Ion	Ratio	Lower	Upper
43	100		
72	22.2	21.4	32.2

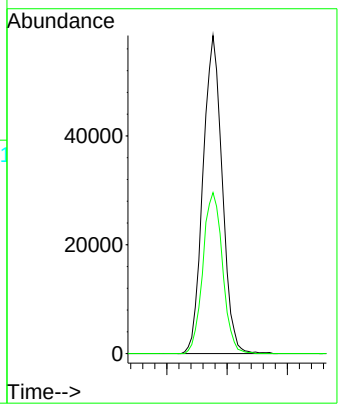


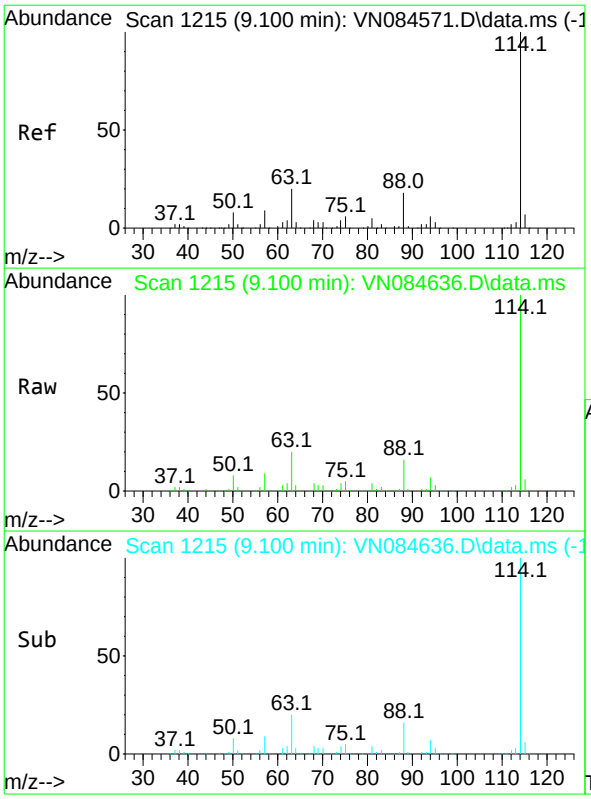


#33
1,2-Dichloroethane-d4
Concen: 49.931 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Tgt Ion: 65 Resp: 129567

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



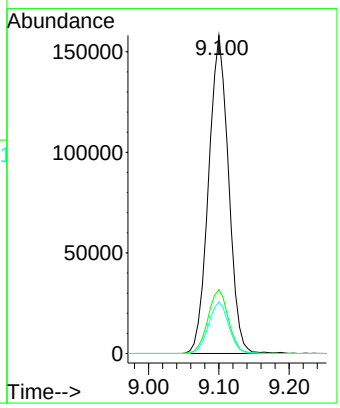


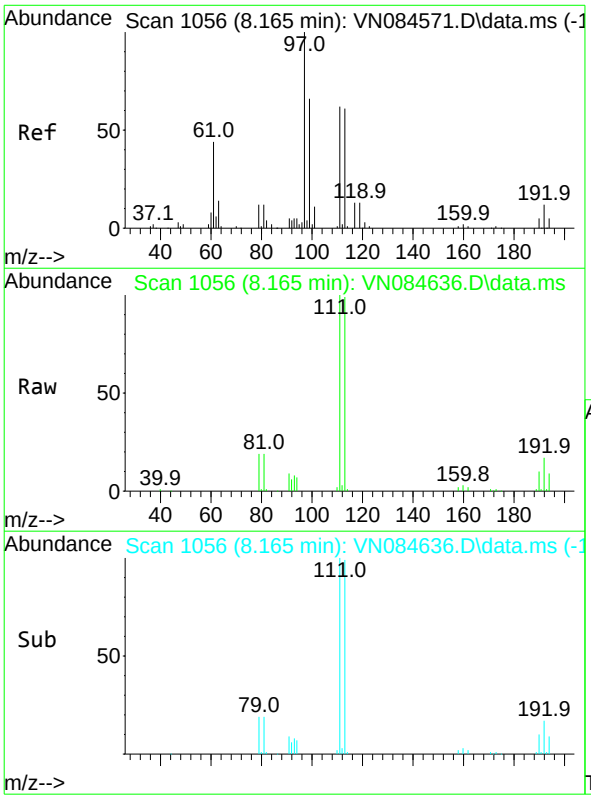
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Tgt Ion:114 Resp: 311395

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.8
88	16.3	0.0	31.6

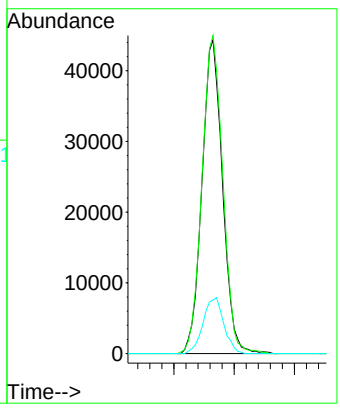


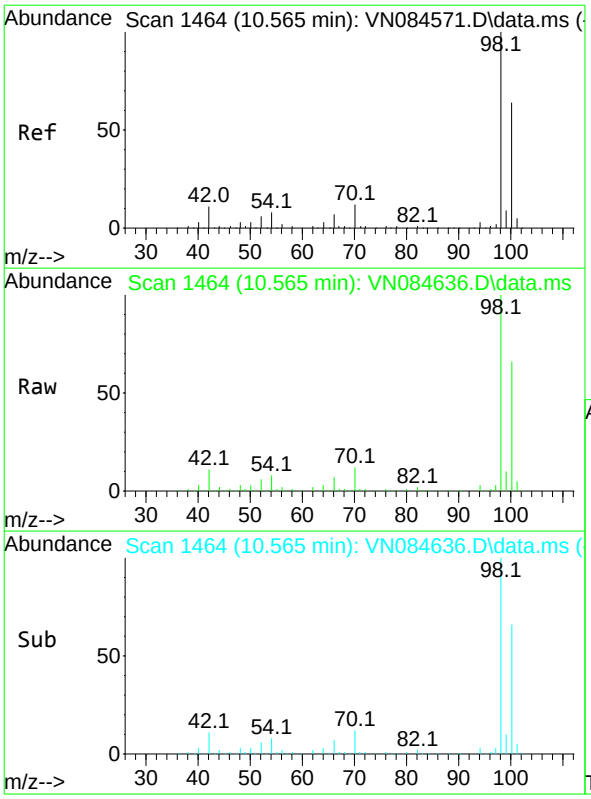


#35
Dibromofluoromethane
Concen: 49.832 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Tgt Ion:113 Resp: 105034

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



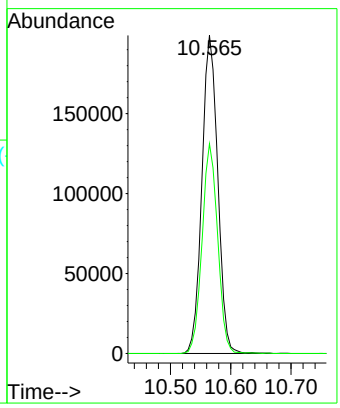


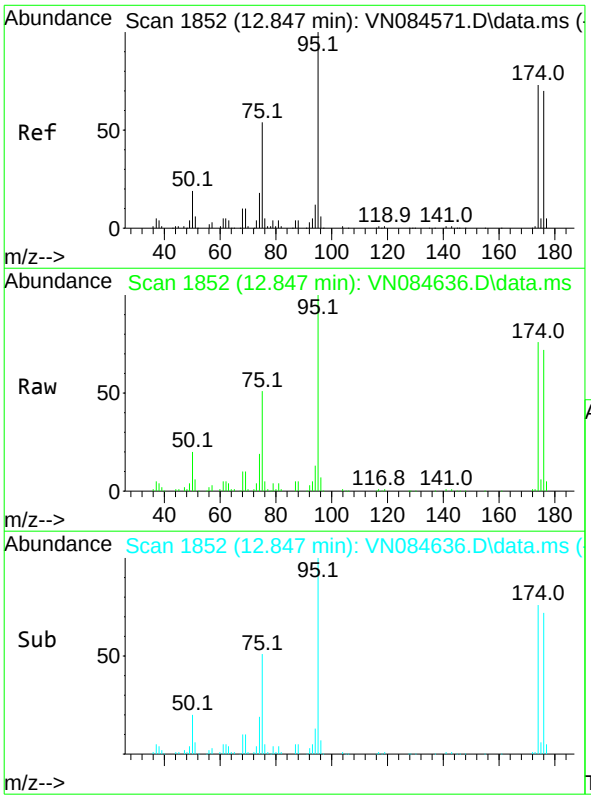
#50
Toluene-d8
Concen: 46.771 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Tgt Ion: 98 Resp: 363147

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

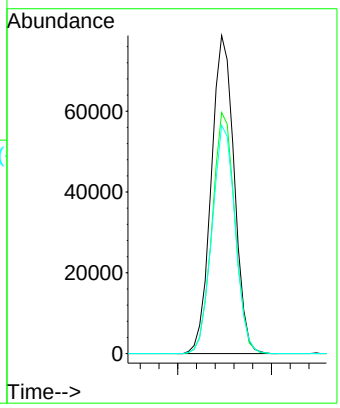


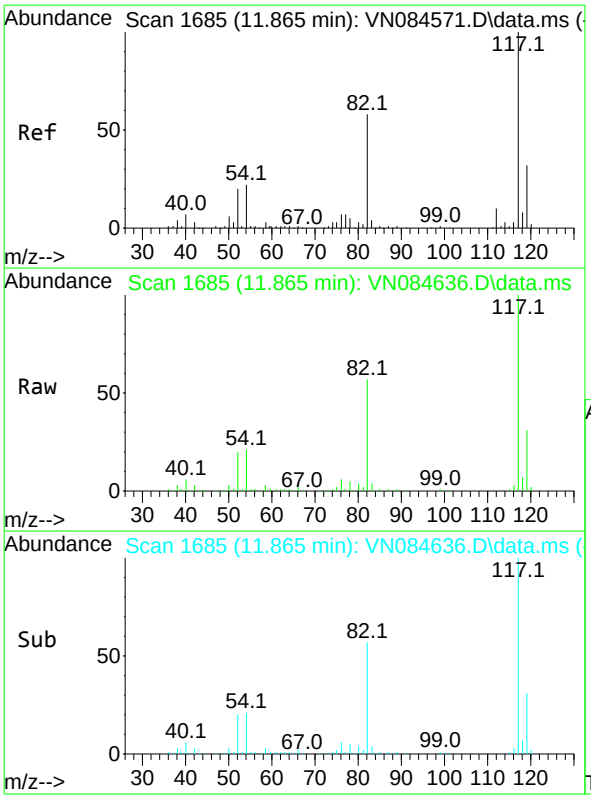


#62
4-Bromofluorobenzene
Concen: 46.160 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Tgt Ion: 95 Resp: 133946

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	72.3	0.0	140.0



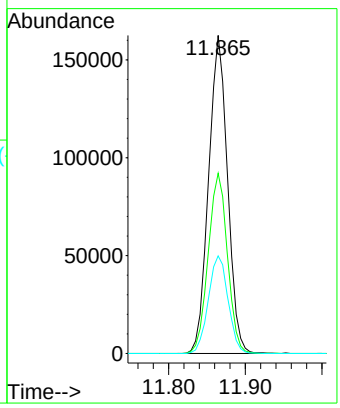


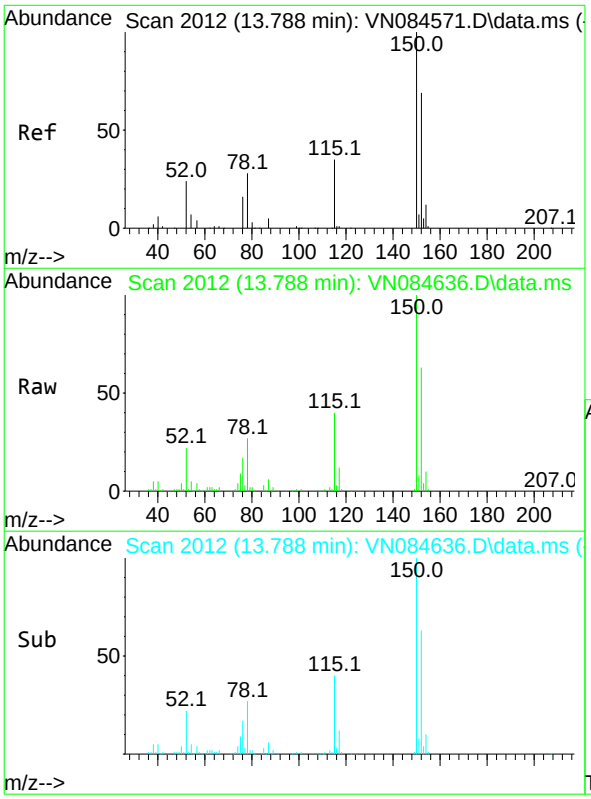
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

Tgt Ion:117 Resp: 278810

Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.2	70.8
119	30.7	25.4	38.0

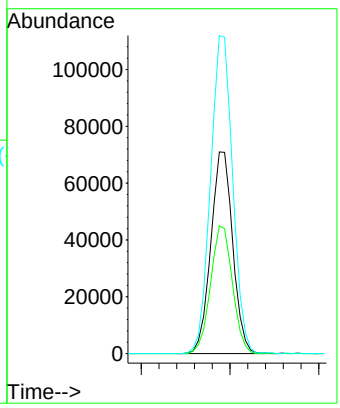




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084636.D
Acq: 01 Nov 2024 14:17

Tgt Ion:152 Resp: 121785

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	159.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

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: VN084636.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	15	21	27	rVB	127841	169444	17.57%	3.009%
2	2.318	54	62	68	rVB4	14855	29565	3.07%	0.525%
3	2.483	84	90	93	rBV	40455	70833	7.35%	1.258%
4	2.736	126	133	138	rBV2	5299	10492	1.09%	0.186%
5	2.848	141	152	153	rBV6	8924	23017	2.39%	0.409%
6	3.200	204	212	220	rVB4	9069	22286	2.31%	0.396%
7	3.512	257	265	273	rBV2	8593	20406	2.12%	0.362%
8	3.612	273	282	294	rVV6	6627	20862	2.16%	0.371%
9	4.442	414	423	434	rBV2	14878	41520	4.31%	0.737%
10	8.165	1045	1056	1060	rBV2	145614	337587	35.01%	5.996%
11	8.224	1060	1066	1078	rVB	253204	567977	58.91%	10.088%
12	8.577	1117	1126	1136	rBV	156146	354572	36.77%	6.297%
13	9.100	1206	1215	1225	rBV	368867	733166	76.04%	13.021%
14	10.565	1455	1464	1478	rBV	528301	964207	100.00%	17.125%
15	11.865	1677	1685	1698	rBV	493314	858725	89.06%	15.251%
16	12.847	1845	1852	1861	rBV	383962	646093	67.01%	11.475%
17	13.788	2005	2012	2020	rBV	440828	759747	78.80%	13.493%

Sum of corrected areas: 5630499

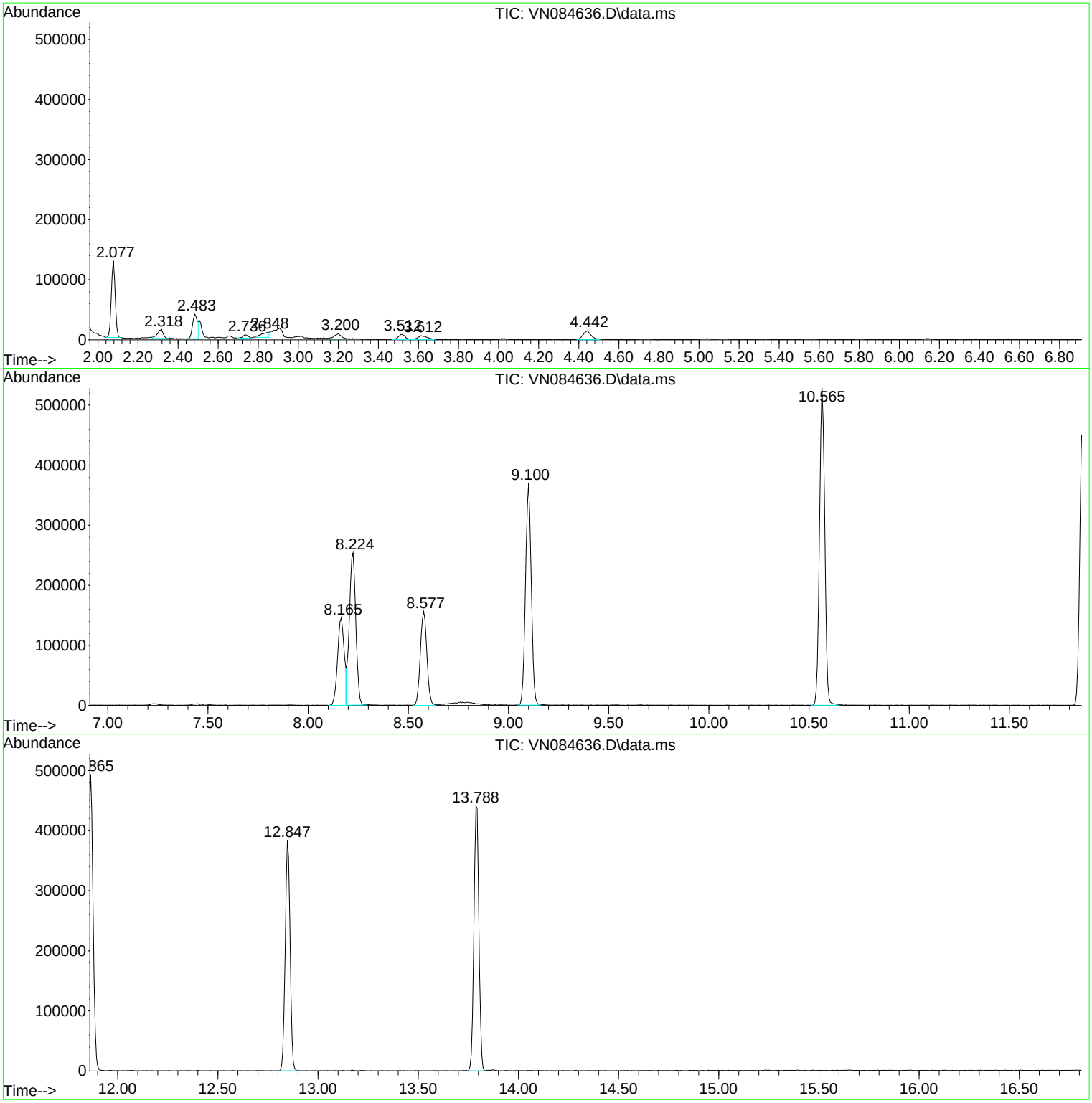
Sample Results: **VN084636.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

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\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

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\VN110124\
Data File : VN084636.D
Acq On : 01 Nov 2024 14:17
Operator : JC\MD
Sample : P4665-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-558-560

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-583-585	SDG No.:	P4665
Lab Sample ID:	P4665-06	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
VN084637.D	1		11/01/24 14:42	VN110124

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	7.70		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	2.30	J	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-583-585	SDG No.:	P4665
Lab Sample ID:	P4665-06	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
VN084637.D	1		11/01/24 14:42	VN110124

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	49.6		81 - 118		99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	47.2		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	182000	8.224				
540-36-3	1,4-Difluorobenzene	323000	9.1				
3114-55-4	Chlorobenzene-d5	289000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	124000	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-583-585	SDG No.:	P4665
Lab Sample ID:	P4665-06	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
VN084637.D	1		11/01/24 14:42	VN110124

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\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Quant Time: Nov 04 04:27:59 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

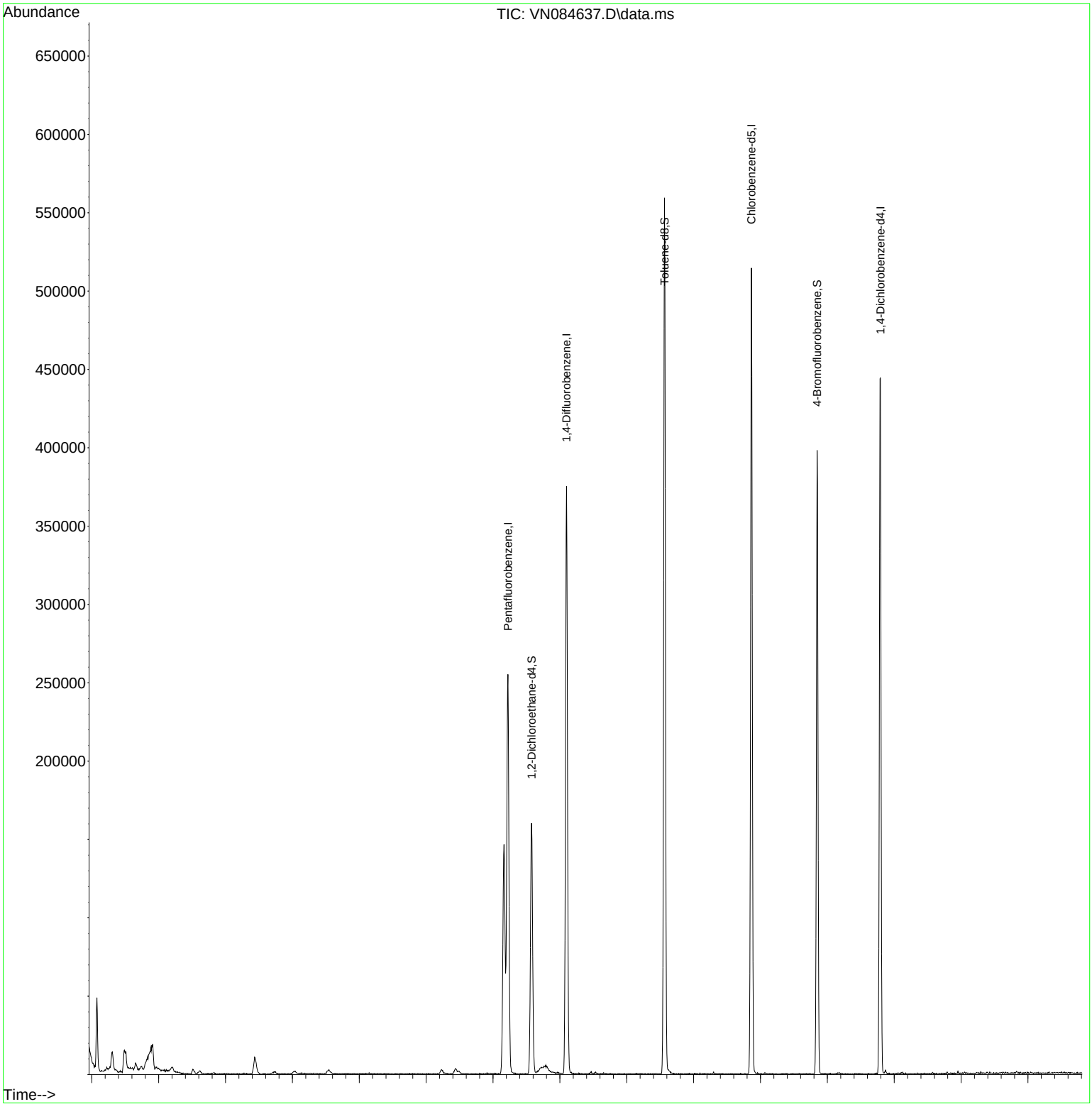
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	182088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	124365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130524	49.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.260%		
35) Dibromofluoromethane	8.165	113	106829	48.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.840%		
50) Toluene-d8	10.565	98	380085	47.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.500%		
62) 4-Bromofluorobenzene	12.847	95	138582	46.094	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.180%		
Target Compounds						Qvalue
16) Acetone	4.436	43	7982	7.743	ug/l #	84
25) 2-Butanone	7.494	43	2855	2.327	ug/l #	76

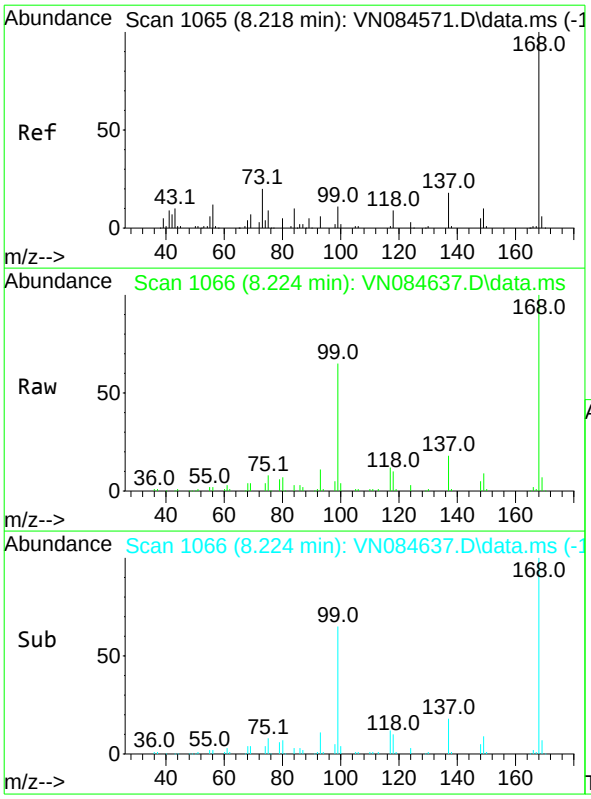
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Quant Time: Nov 04 04:27:59 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



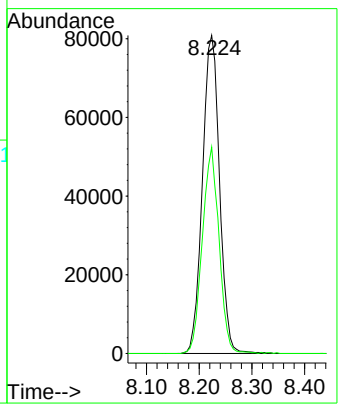


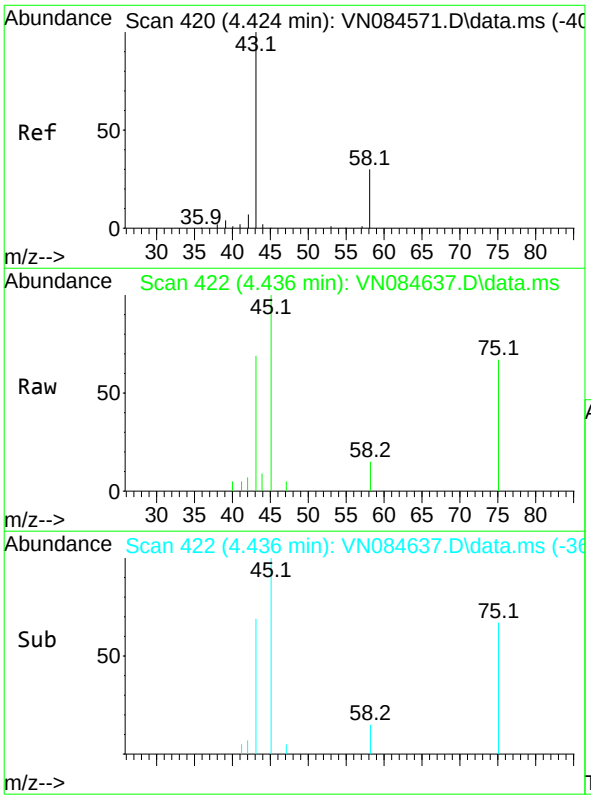
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Tgt Ion:168 Resp: 182088

Ion	Ratio	Lower	Upper
168	100		
99	64.9	54.2	81.2

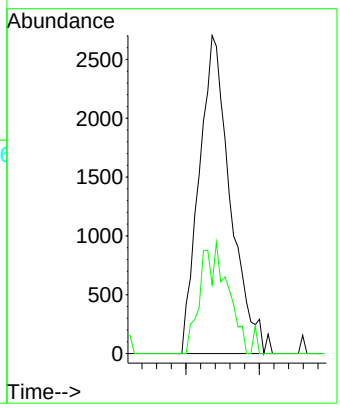


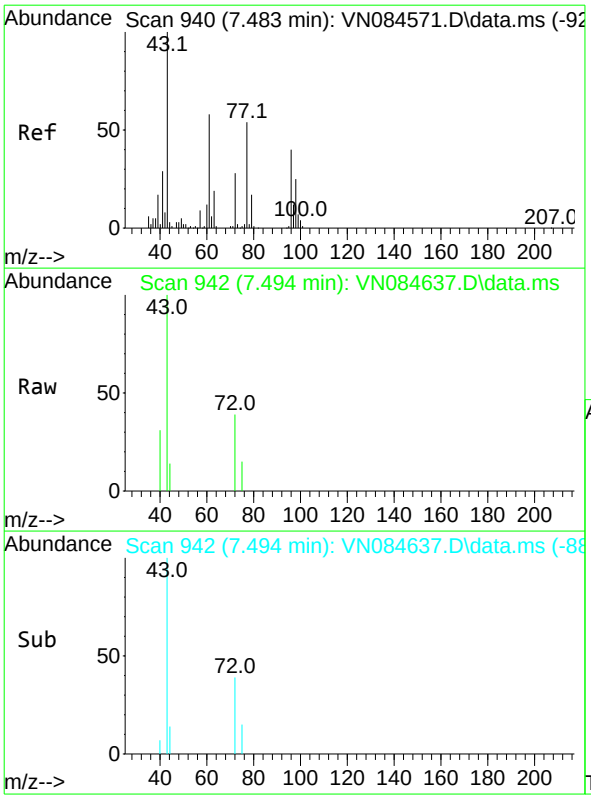


#16
Acetone
Concen: 7.743 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Tgt Ion: 43 Resp: 7982

Ion	Ratio	Lower	Upper
43	100		
58	21.6	24.4	36.6#



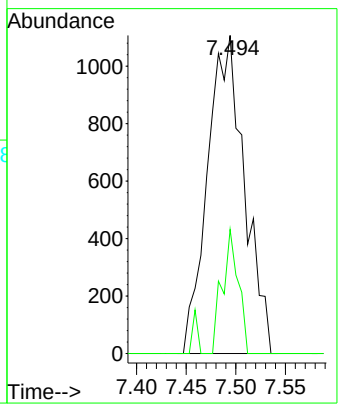


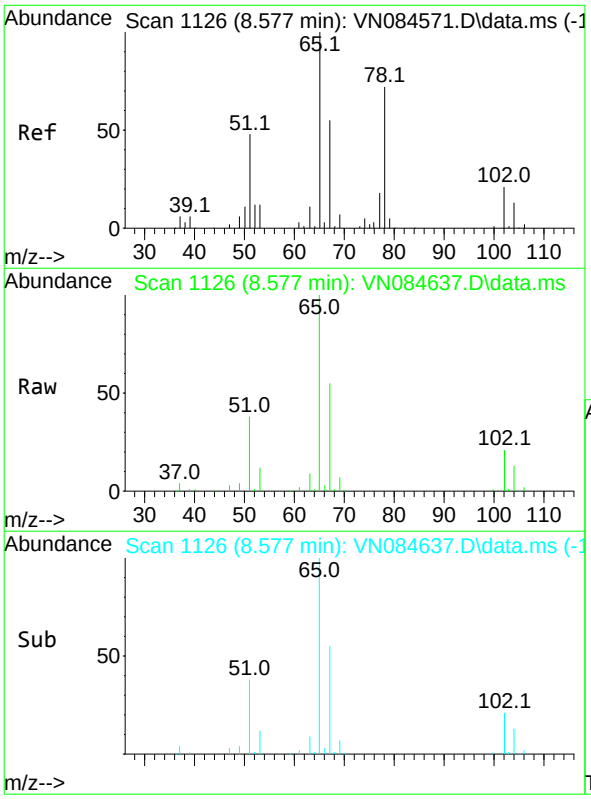
#25
2-Butanone
Concen: 2.327 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Tgt Ion: 43 Resp: 2855

Ion	Ratio	Lower	Upper
43	100		
72	39.0	21.4	32.2#

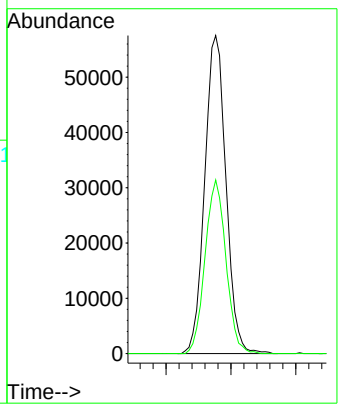


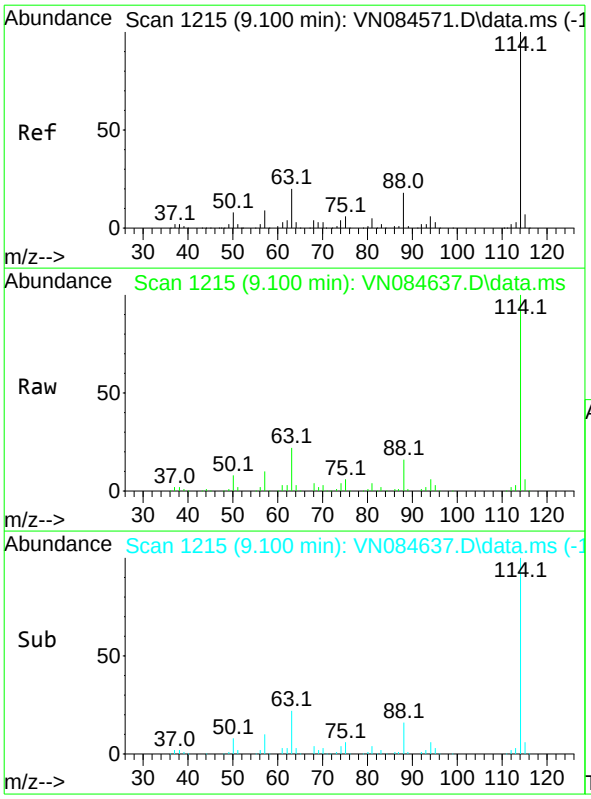


#33
1,2-Dichloroethane-d4
Concen: 49.630 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Tgt Ion: 65 Resp: 130524

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	102.0



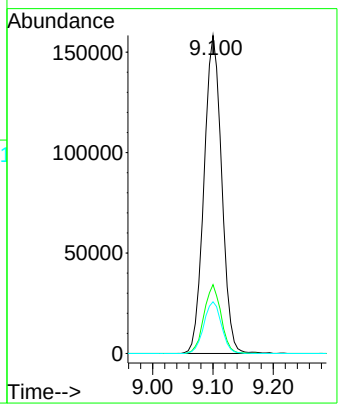


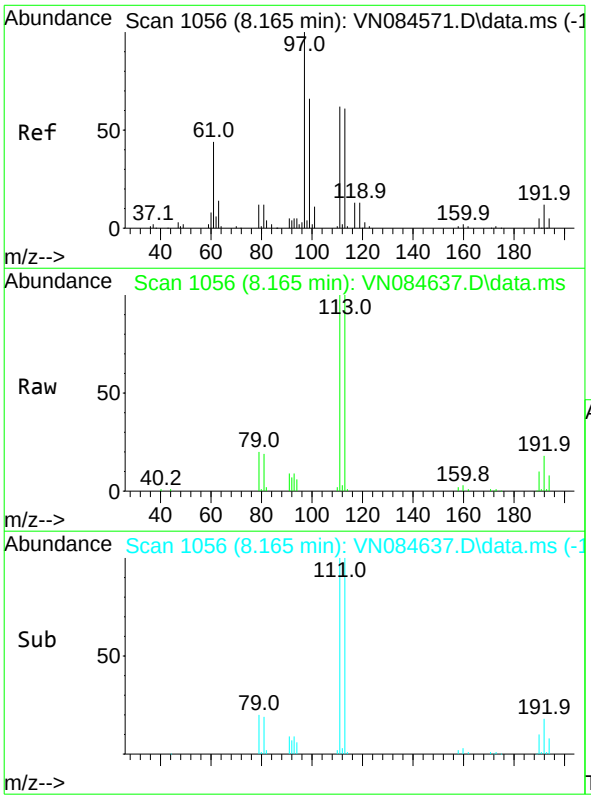
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Tgt Ion:114 Resp: 322631

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.3	0.0	31.6

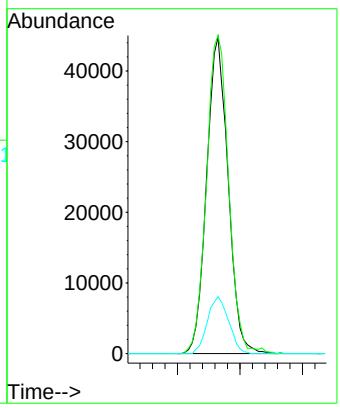


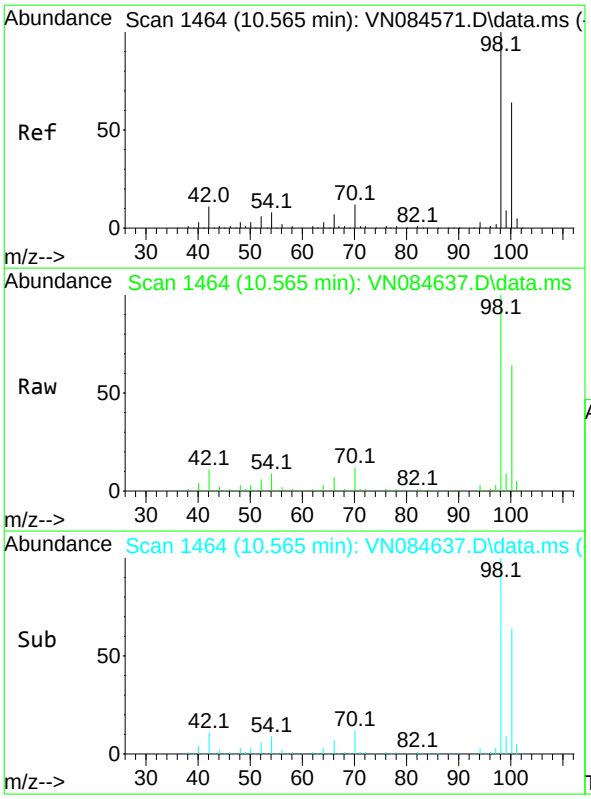


#35
Dibromofluoromethane
Concen: 48.918 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Tgt Ion:113 Resp: 106829

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.3	124.9
192	17.7	13.5	20.3



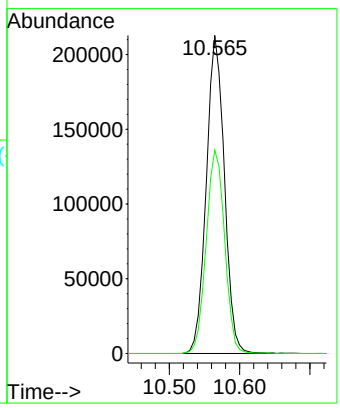


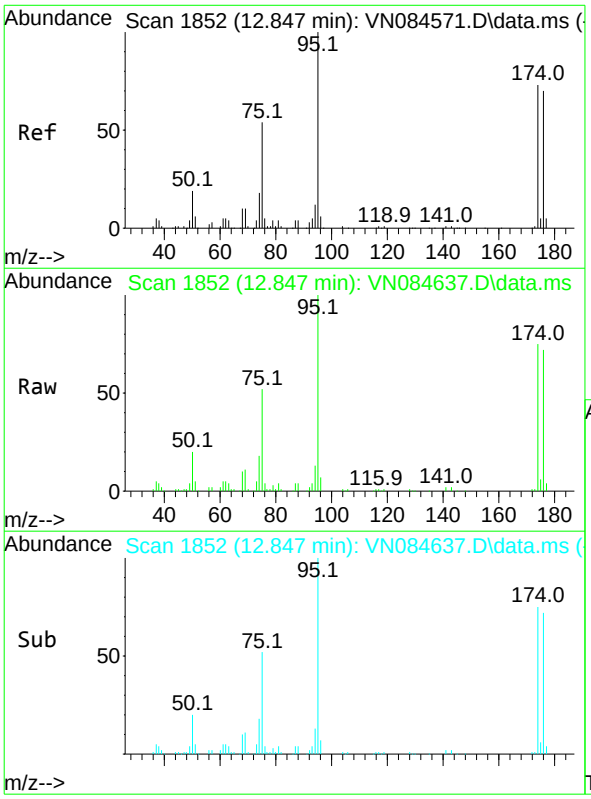
#50
Toluene-d8
Concen: 47.248 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Tgt Ion: 98 Resp: 380085

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

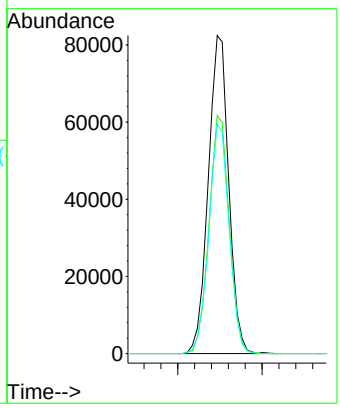


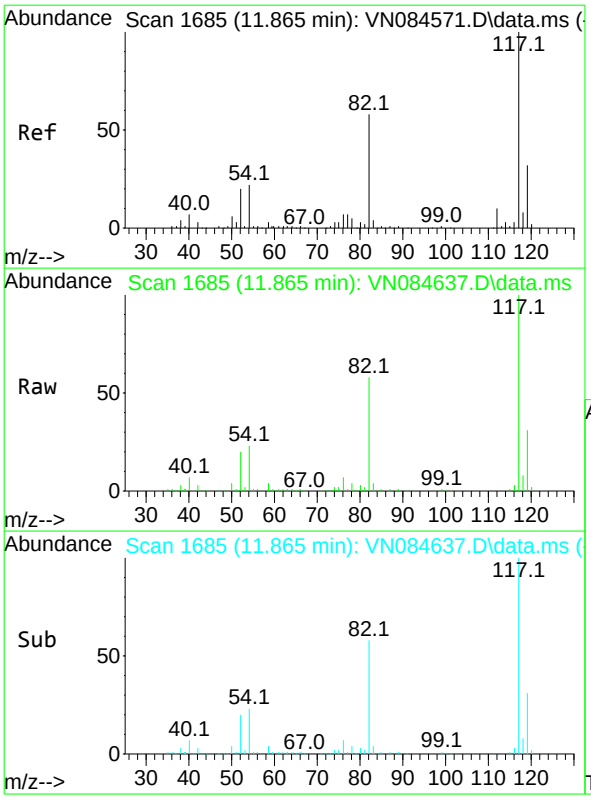


#62
4-Bromofluorobenzene
Concen: 46.094 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Tgt Ion: 95 Resp: 138582

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.5	0.0	140.0



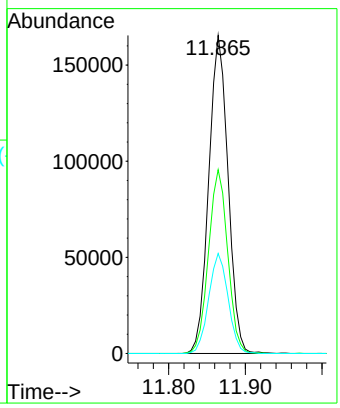


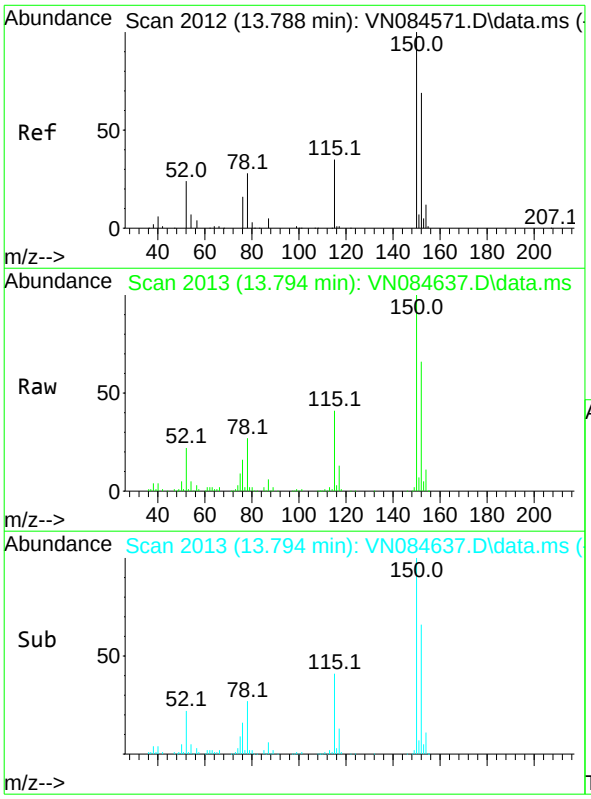
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

Tgt Ion:117 Resp: 288967

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.4	25.4	38.0

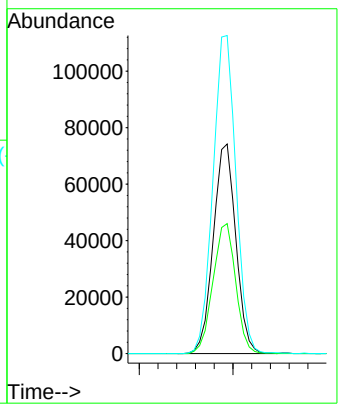




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084637.D
Acq: 01 Nov 2024 14:42

Tgt Ion:152 Resp: 124365

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	154.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

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: VN084637.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	16	21	30	rVB	47049	69276	6.88%	1.253%
2	2.306	52	60	67	rVB5	11607	26057	2.59%	0.471%
3	2.489	85	91	93	rBV3	14332	26639	2.64%	0.482%
4	2.824	140	148	149	rBV2	6581	13423	1.33%	0.243%
5	4.436	415	422	436	rVB3	10819	31395	3.12%	0.568%
6	8.165	1046	1056	1060	rBV	146359	341422	33.88%	6.174%
7	8.224	1060	1066	1081	rVB	254836	576550	57.22%	10.426%
8	8.577	1116	1126	1137	rBV	160048	361877	35.91%	6.544%
9	9.100	1205	1215	1225	rBV	374913	758092	75.24%	13.709%
10	10.565	1456	1464	1473	rBV	559018	1007605	100.00%	18.221%
11	11.865	1674	1685	1698	rBV	514584	892480	88.57%	16.139%
12	12.847	1841	1852	1861	rBV	398201	661437	65.64%	11.961%
13	13.794	2005	2013	2022	rBV	444466	763755	75.80%	13.811%

Sum of corrected areas: 5530008

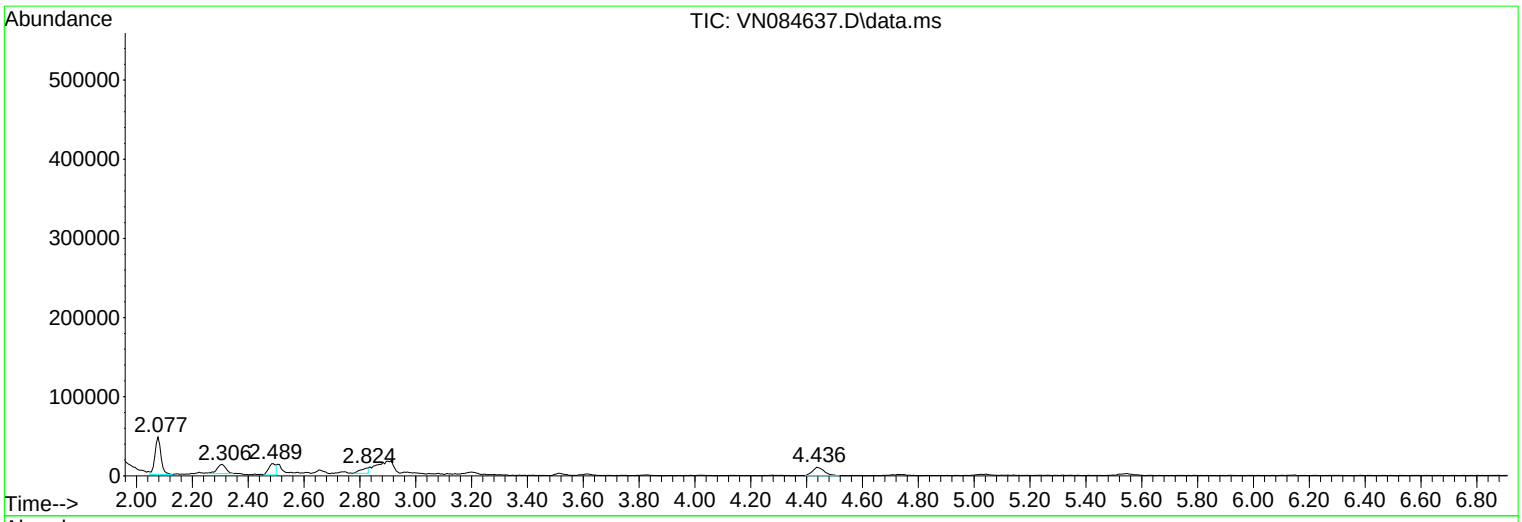
Sample Results: **VN084637.D**

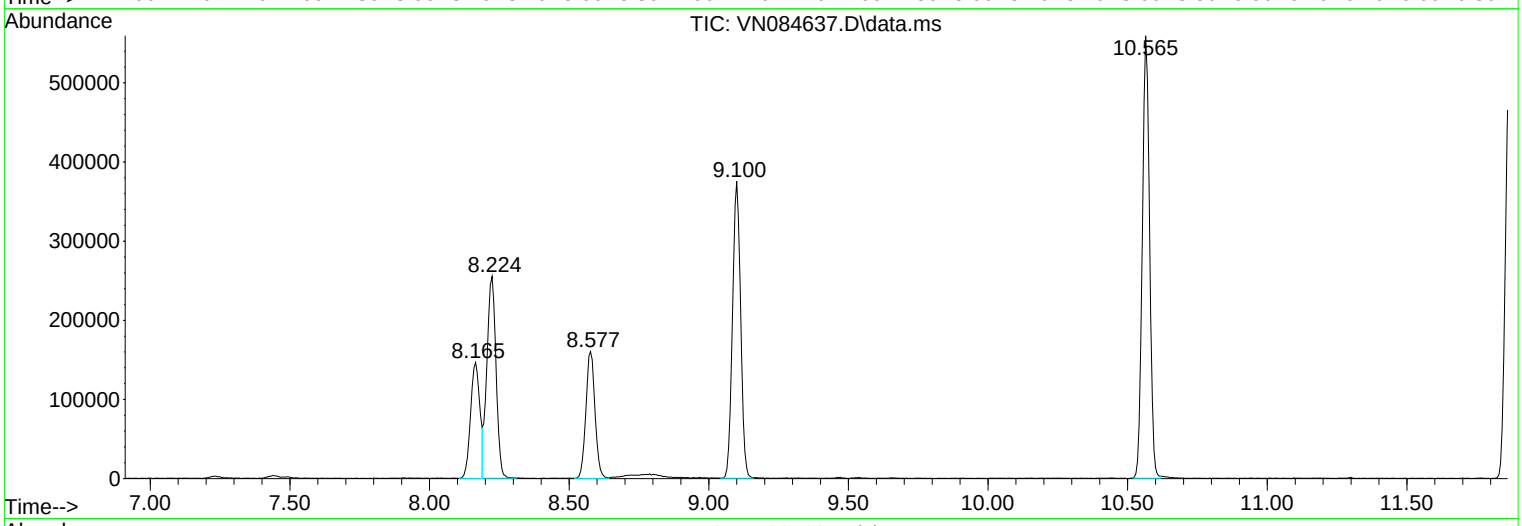
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

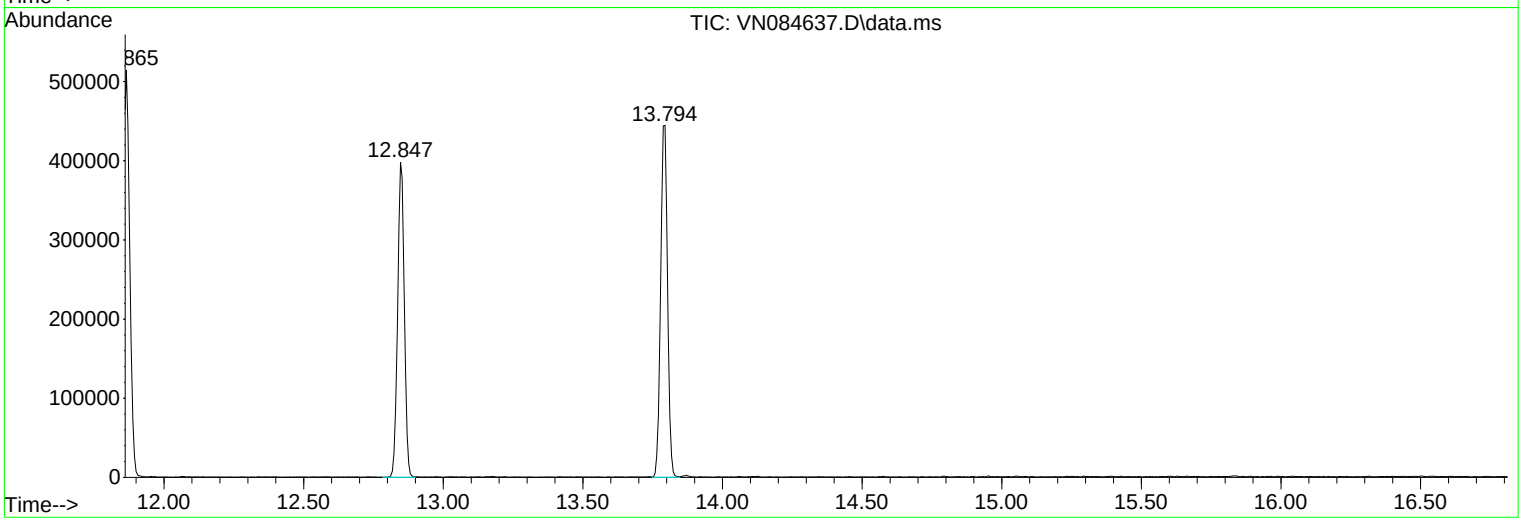
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

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\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

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\VN110124\
Data File : VN084637.D
Acq On : 01 Nov 2024 14:42
Operator : JC\MD
Sample : P4665-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-583-585

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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-598-600	SDG No.:	P4665
Lab Sample ID:	P4665-07	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
VN084641.D	1		11/01/24 16:19	VN110124

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	0.98	J	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-598-600	SDG No.:	P4665
Lab Sample ID:	P4665-07	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
VN084641.D	1		11/01/24 16:19	VN110124

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	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	47.2		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	170000	8.218				
540-36-3	1,4-Difluorobenzene	295000	9.1				
3114-55-4	Chlorobenzene-d5	266000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	115000	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:	10/30/24
Project:	CTO WE13	Date Received:	10/31/24
Client Sample ID:	BP-VPB-190-GW-598-600	SDG No.:	P4665
Lab Sample ID:	P4665-07	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
VN084641.D	1		11/01/24 16:19	VN110124

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\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:29:34 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

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122601	49.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.159	113	98779	49.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.920%		
50) Toluene-d8	10.565	98	347290	47.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.400%		
62) 4-Bromofluorobenzene	12.847	95	129879	47.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.480%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.365	101	1924m	0.984	ug/l	
44) Trichloroethene	9.341	130	532	0.259	ug/l	92

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

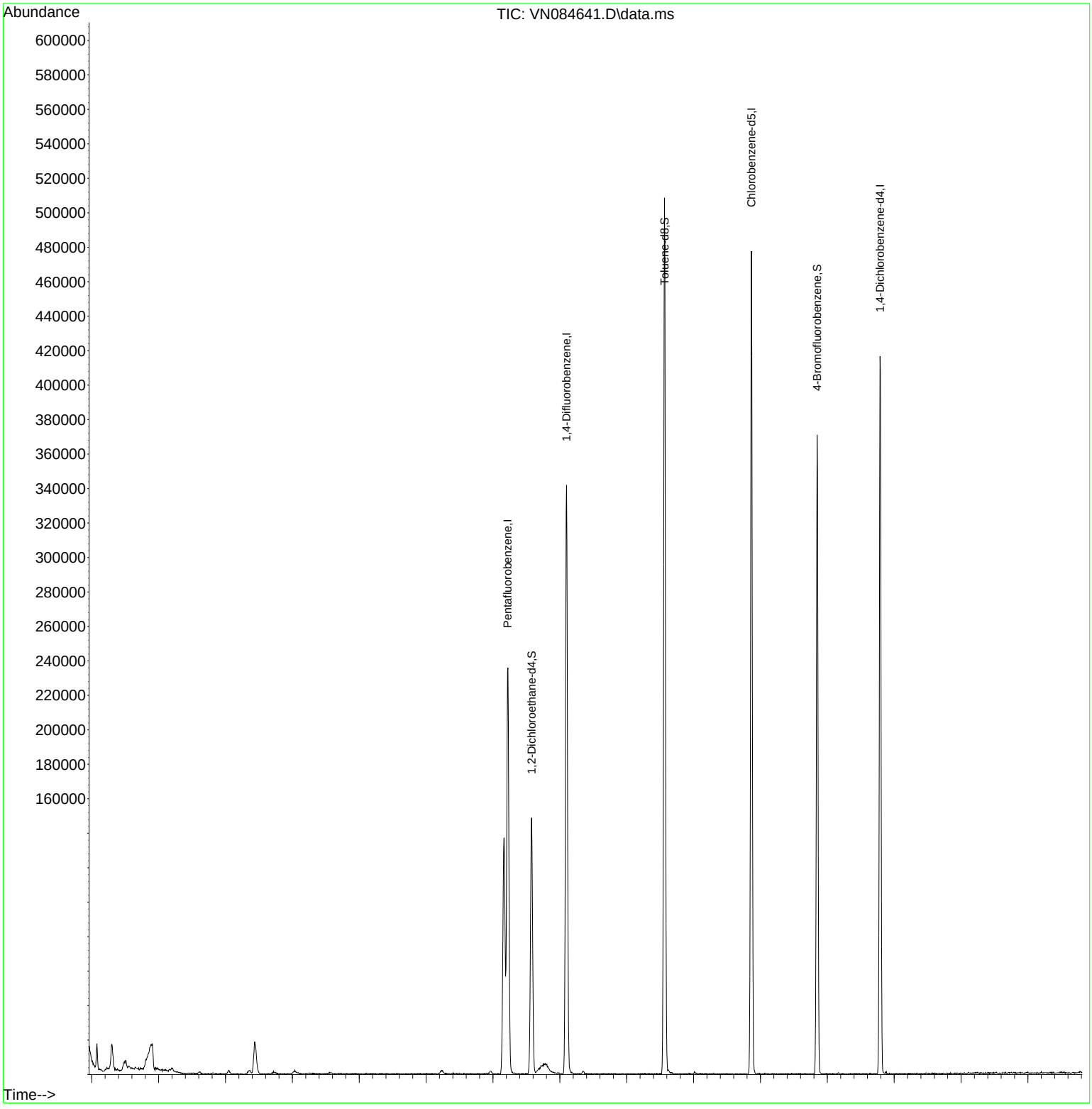
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

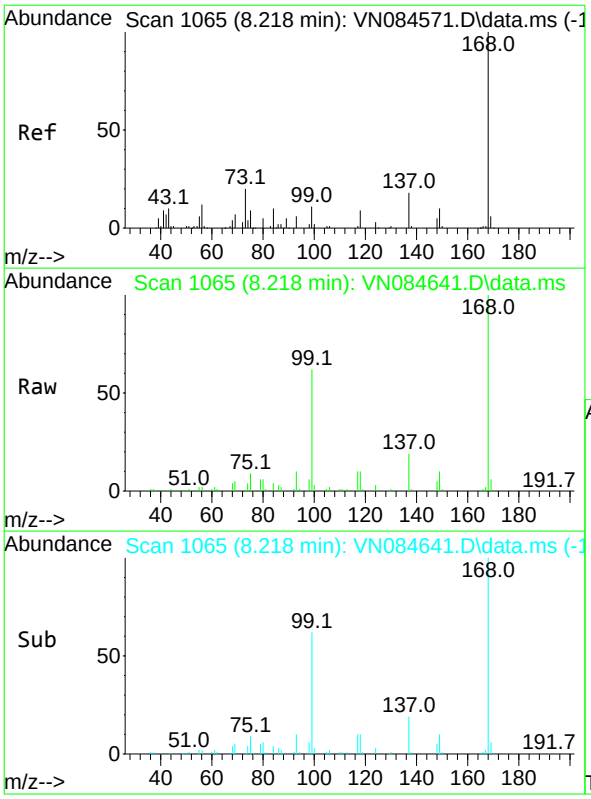
Quant Time: Nov 04 04:29:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations APPROVED

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





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

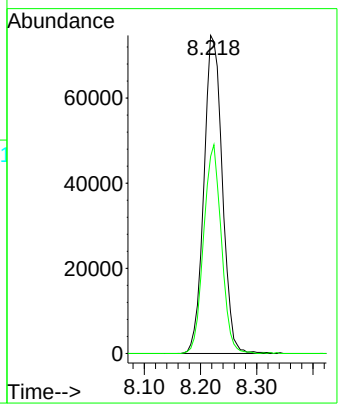
Tgt Ion:168 Resp: 169823

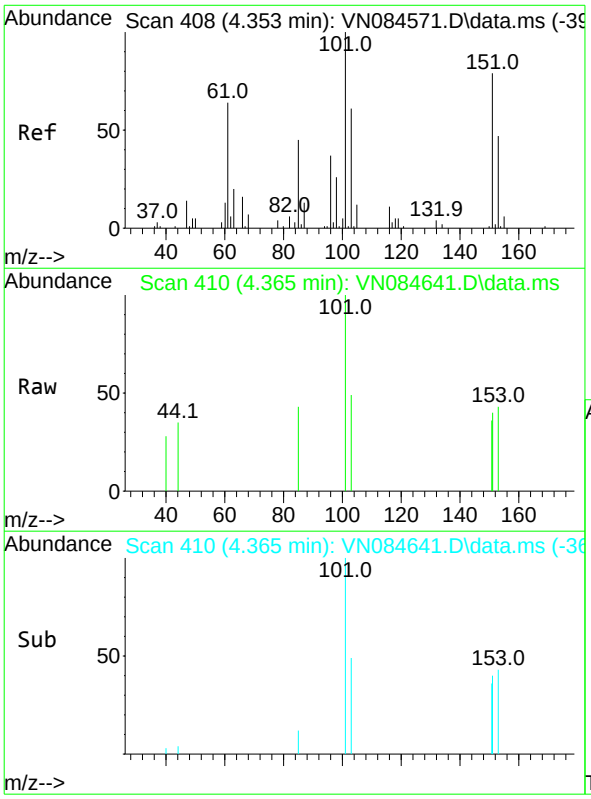
Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations
APPROVED

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

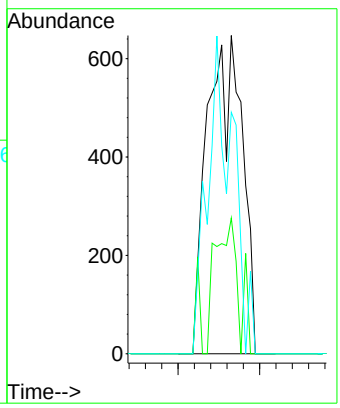


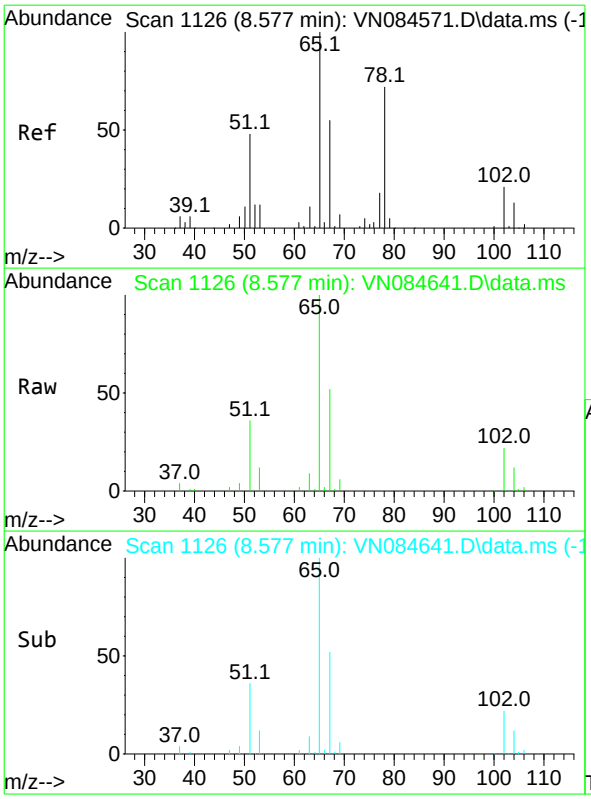


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.984 ug/l m
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:101 Resp: 1924

Ion	Ratio	Lower	Upper
101	100		
85	28.5	36.2	54.4#
151	47.5	59.3	88.9#

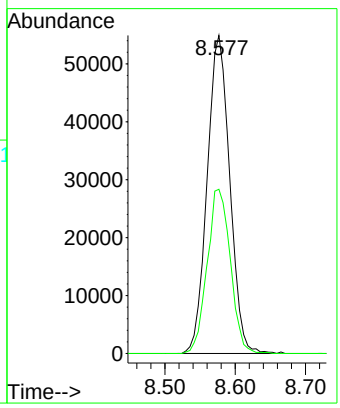




#33
1,2-Dichloroethane-d4
Concen: 49.984 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 65 Resp: 122601

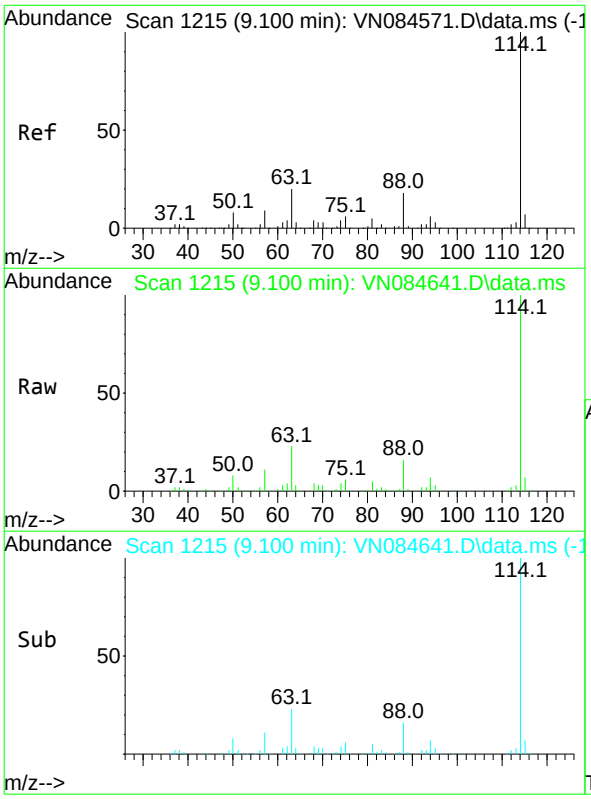
Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations
APPROVED

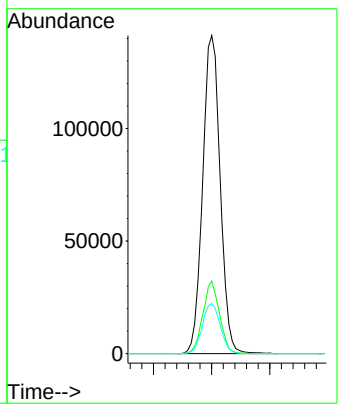
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

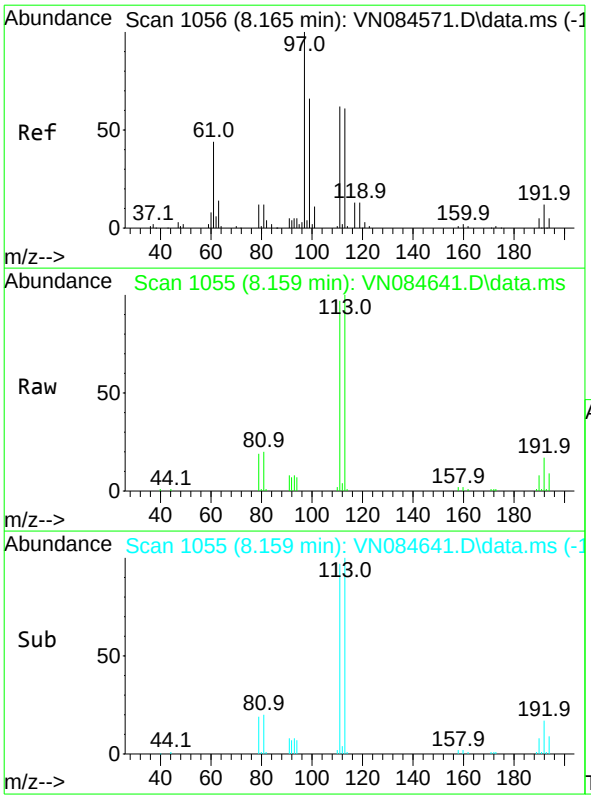


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:114 Resp: 295064

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.8
88	15.7	0.0	31.6

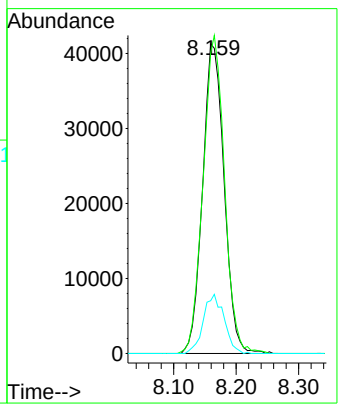




#35
Dibromofluoromethane
Concen: 49.458 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:113 Resp: 98779

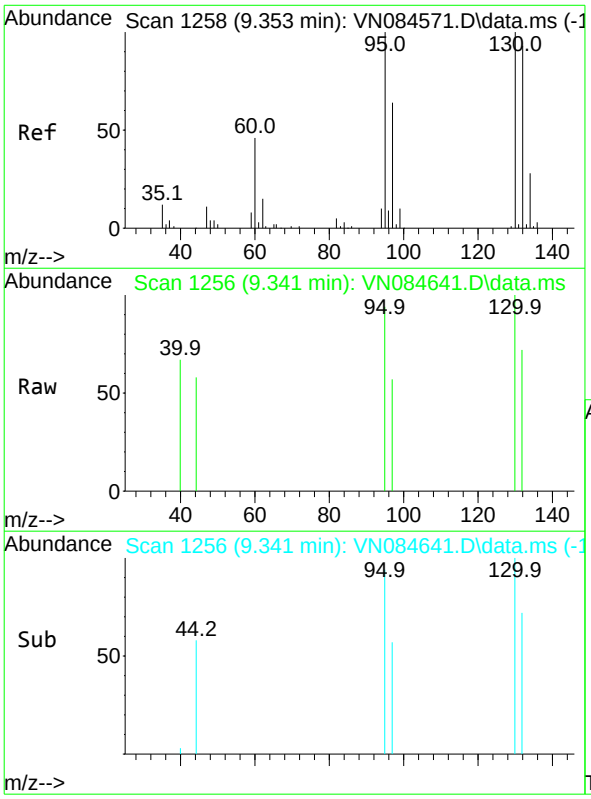
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	18.6	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations
APPROVED

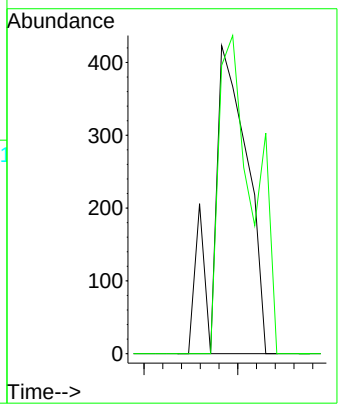
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

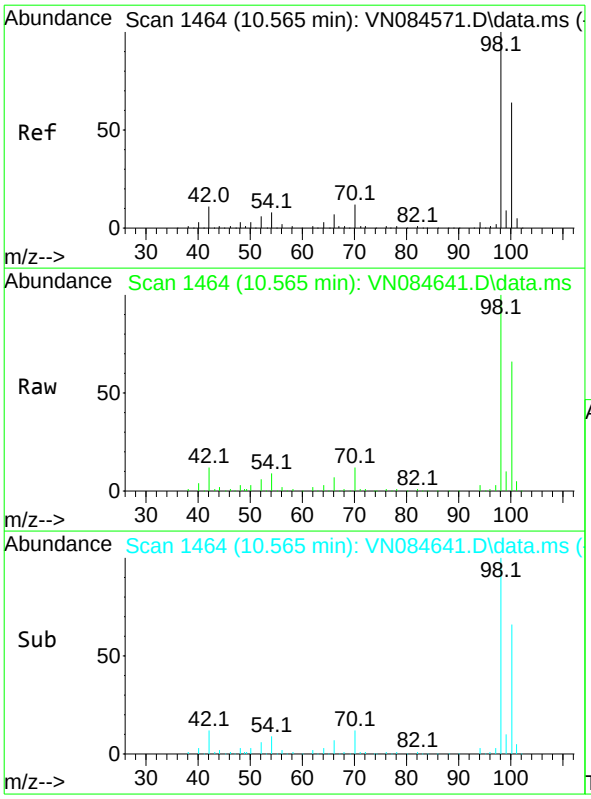


#44
Trichloroethene
Concen: 0.259 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:130 Resp: 532

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	203.0





#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

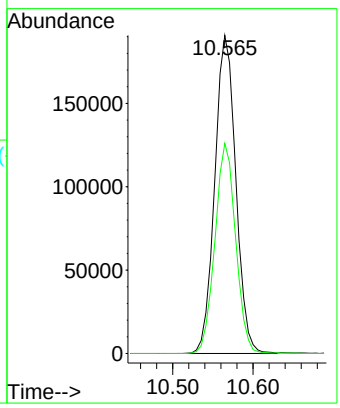
Tgt Ion: 98 Resp: 347290

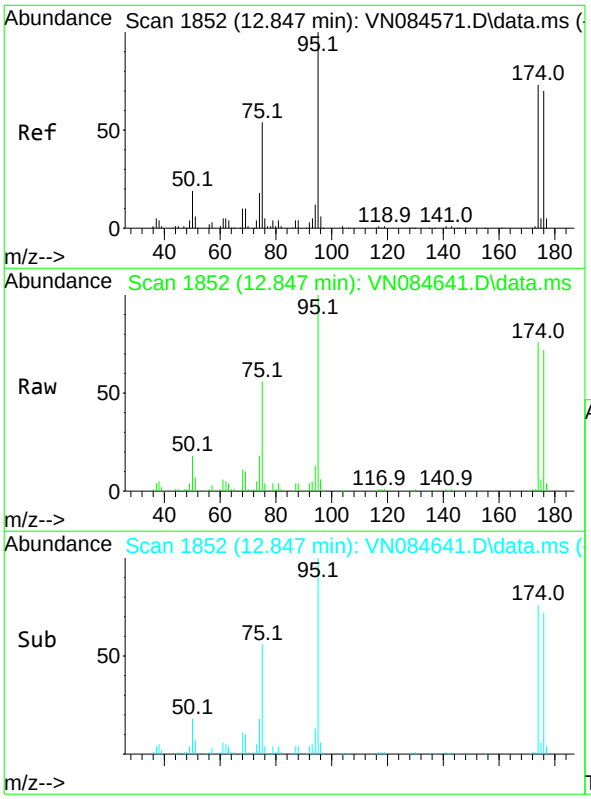
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Manual Integrations
APPROVED

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

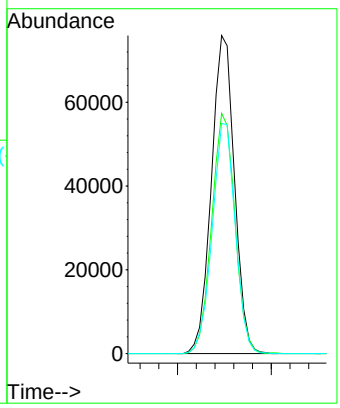


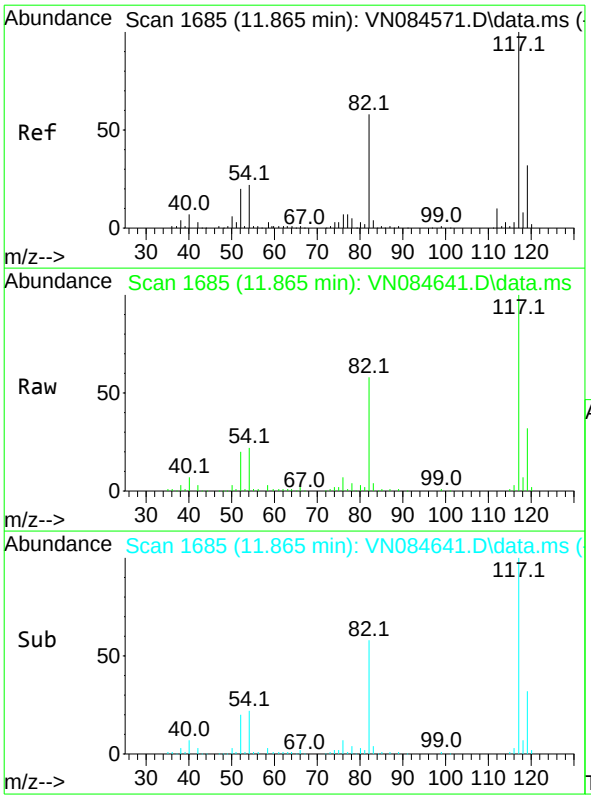


#62
4-Bromofluorobenzene
Concen: 47.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 95 Resp: 129879

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	72.7	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: VN084641.D
Acq: 01 Nov 2024 16:19

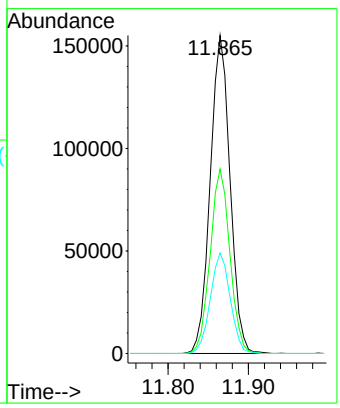
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

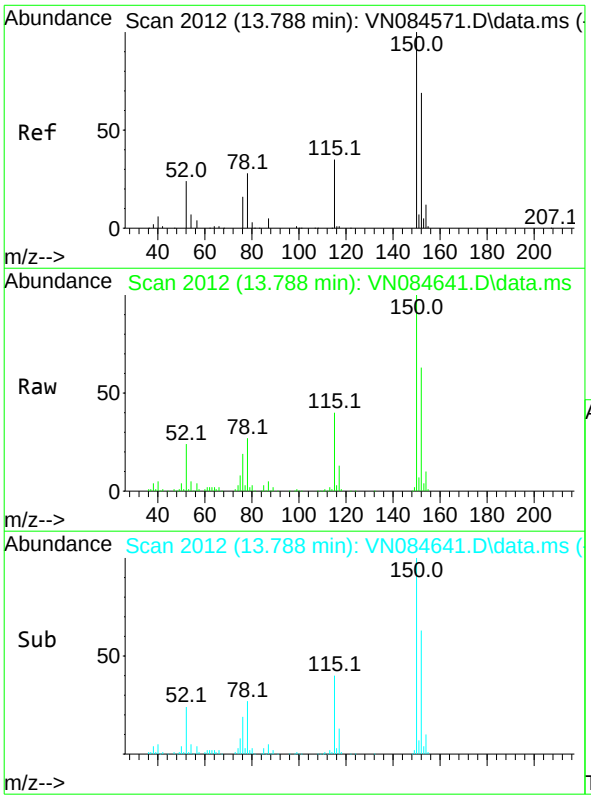
Tgt Ion:117 Resp: 266018

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	31.6	25.4	38.0

Manual Integrations
APPROVED

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

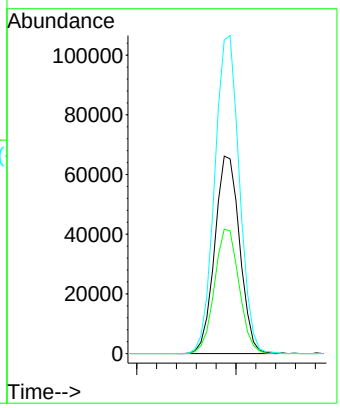




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:152 Resp: 115441

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	159.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

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: VN084641.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	16	21	26	rVB	15255	19866	2.16%	0.388%
2	2.301	52	59	66	rVB4	14734	32833	3.57%	0.641%
3	2.489	83	91	92	rBV2	5253	9663	1.05%	0.189%
4	2.812	139	146	147	rBV3	5895	10109	1.10%	0.197%
5	2.889	147	159	160	rVV7	8988	25000	2.72%	0.488%
6	4.436	414	422	438	rVB	18960	54724	5.95%	1.068%
7	8.165	1047	1056	1060	rBV	136885	318547	34.63%	6.217%
8	8.224	1060	1066	1076	rVB	234956	530675	57.70%	10.358%
9	8.577	1117	1126	1136	rBV	148500	333072	36.21%	6.501%
10	9.100	1206	1215	1227	rBV	341467	703689	76.51%	13.735%
11	10.565	1456	1464	1472	rBV	508324	919763	100.00%	17.952%
12	11.865	1674	1685	1698	rBV	477439	821184	89.28%	16.028%
13	12.847	1844	1852	1864	rBV	370837	627682	68.24%	12.251%
14	13.788	2005	2012	2024	rBV	416330	716634	77.92%	13.987%

Sum of corrected areas: 5123441

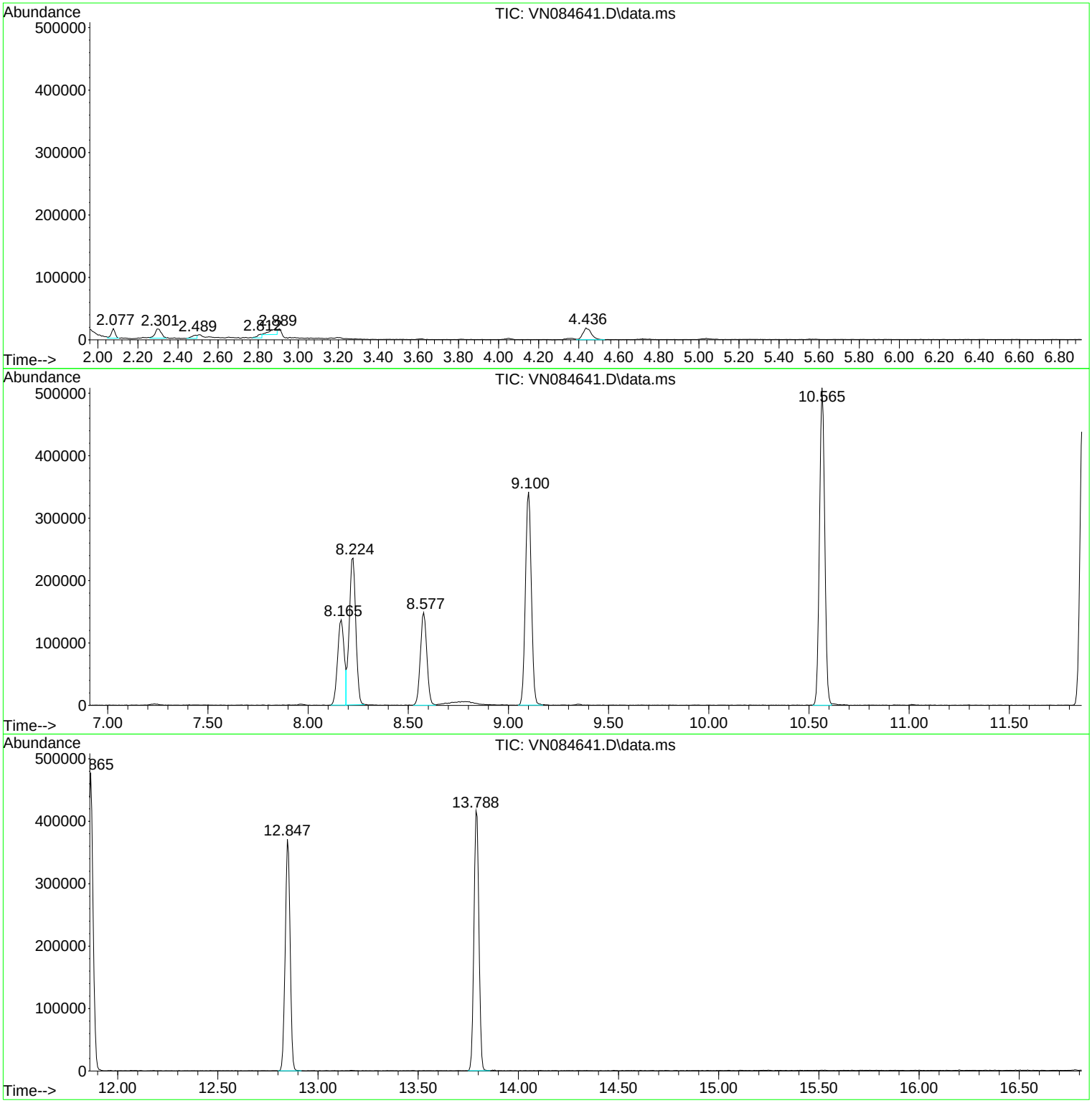
Sample Results: **VN084641.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

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\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

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\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

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

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.: P4665 SAS No.: P4665 SDG No.: P4665

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.: P4665 SAS No.: P4665 SDG No.: P4665

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

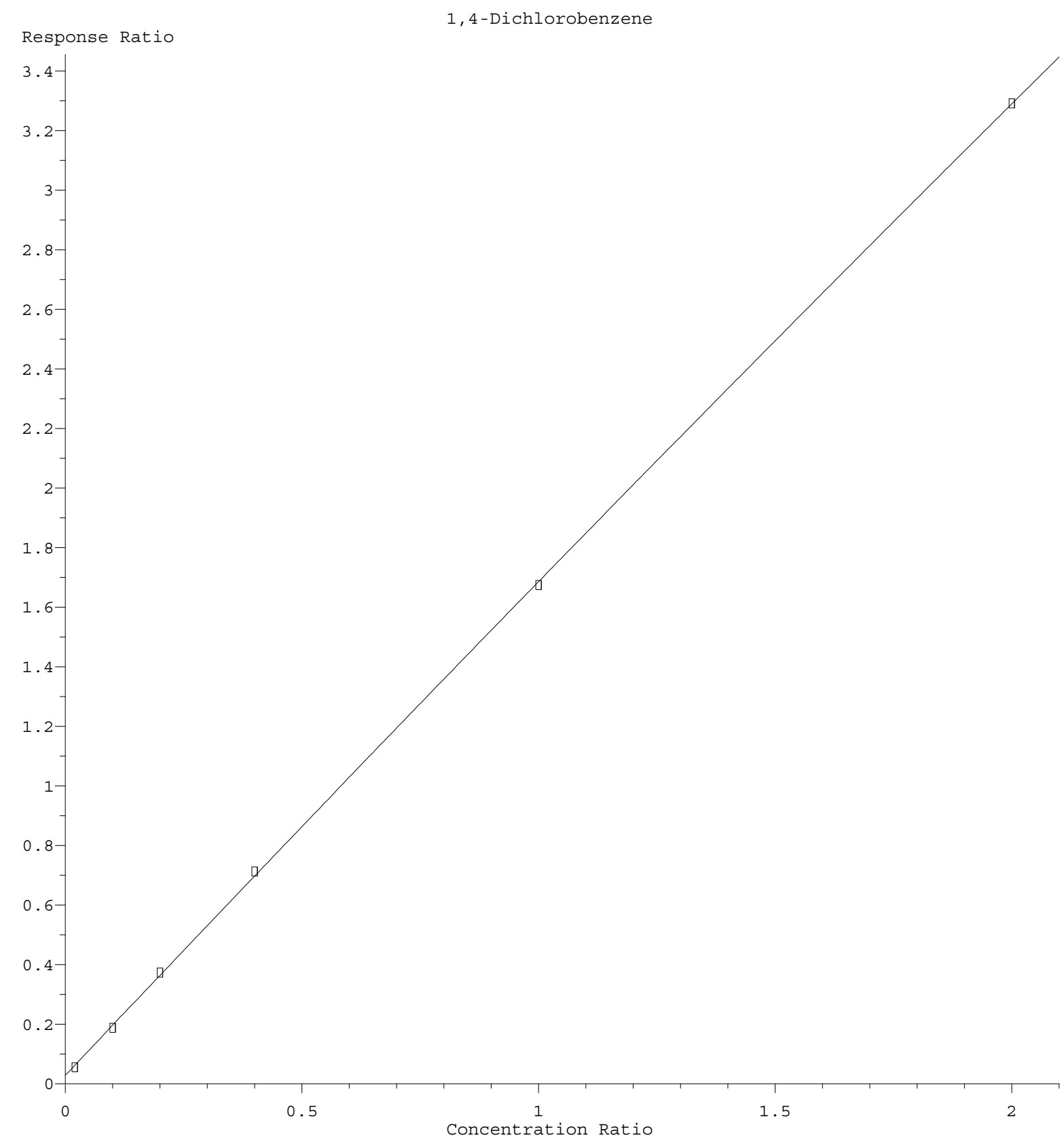
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		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

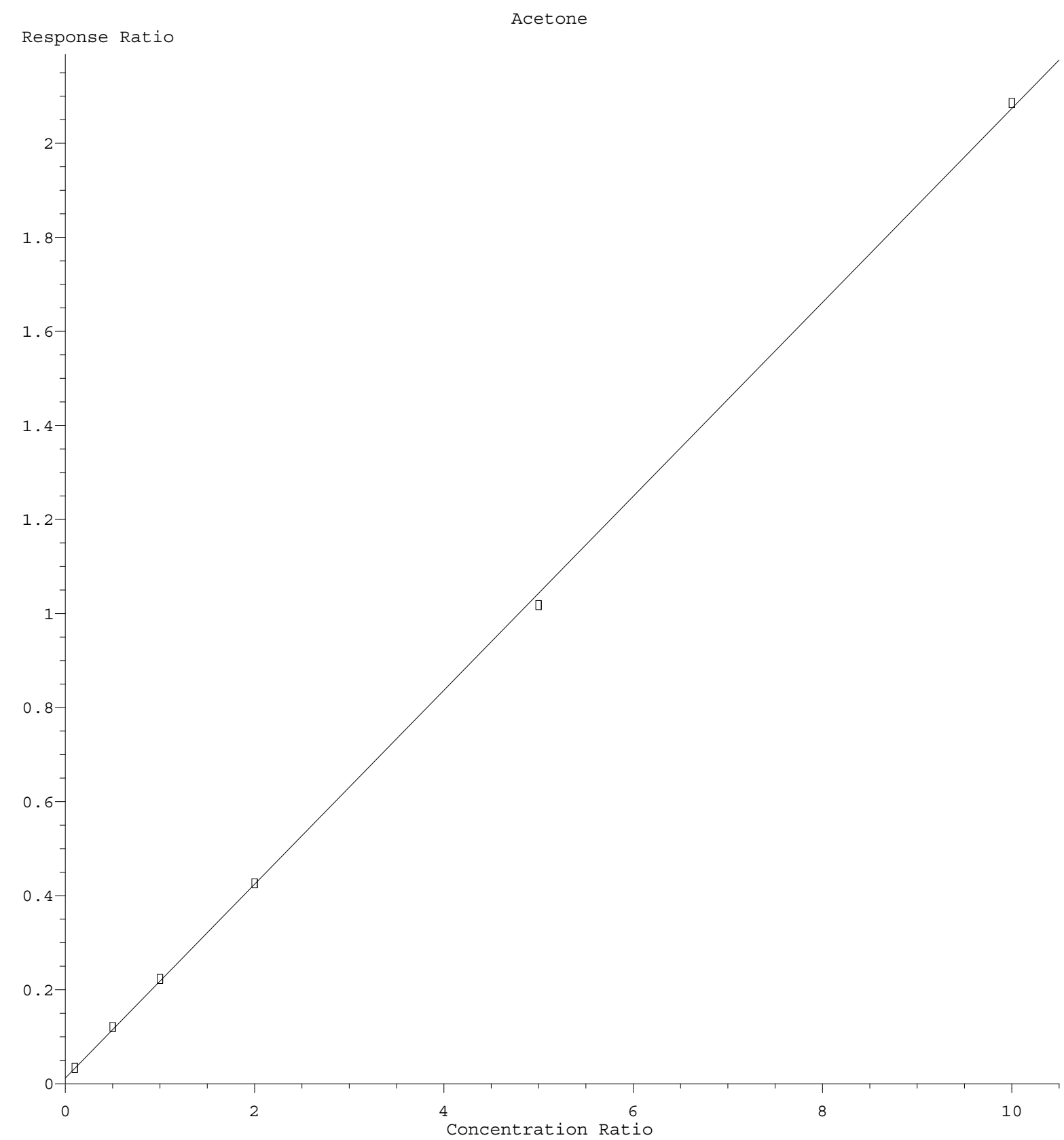
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

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

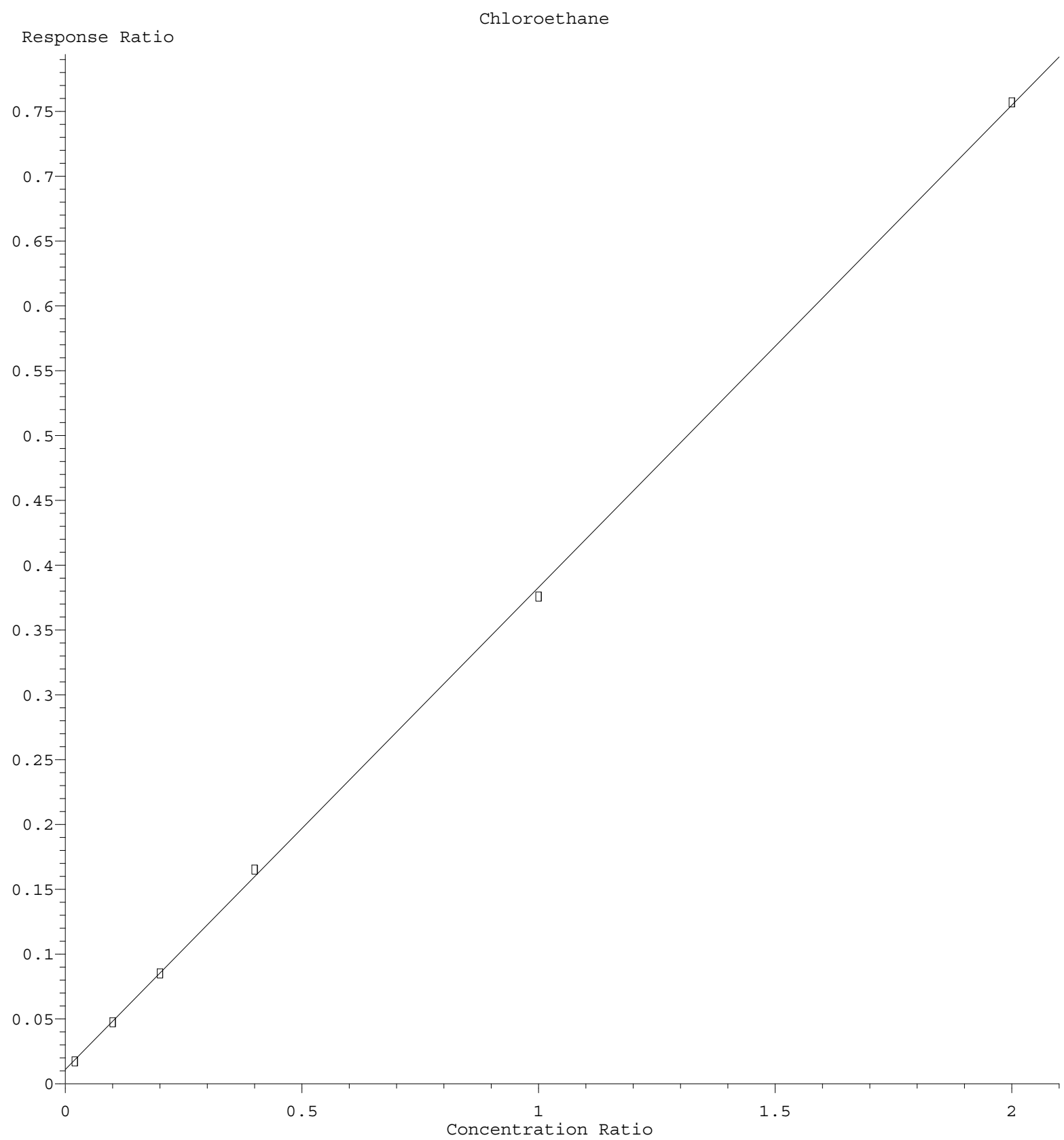
(#) = Out of Range



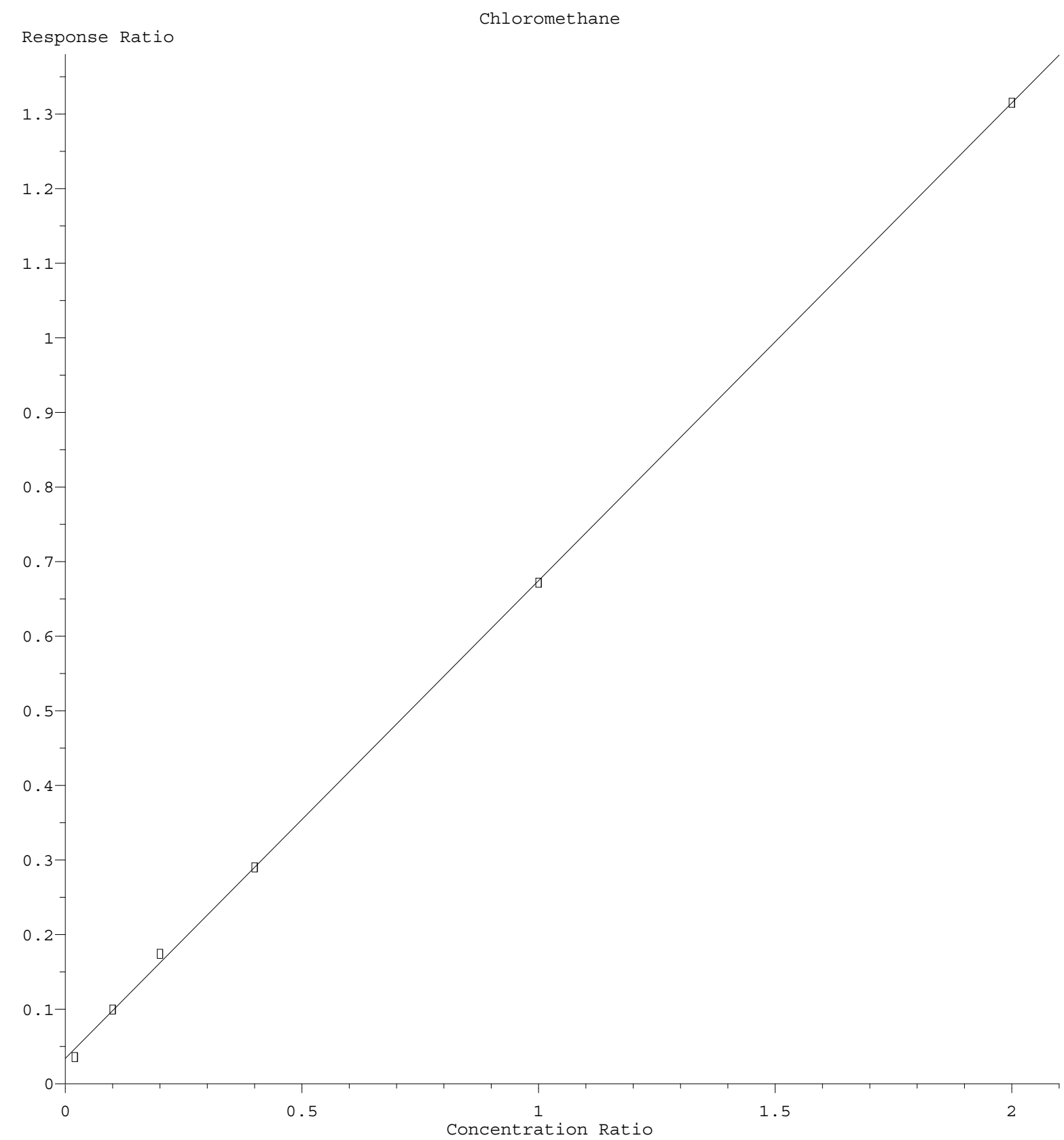
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method: \\chrnas\chrsrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method: \\chfs1nv\chromsrv\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: \\chlsrv\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: \\chlsrv\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

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)

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

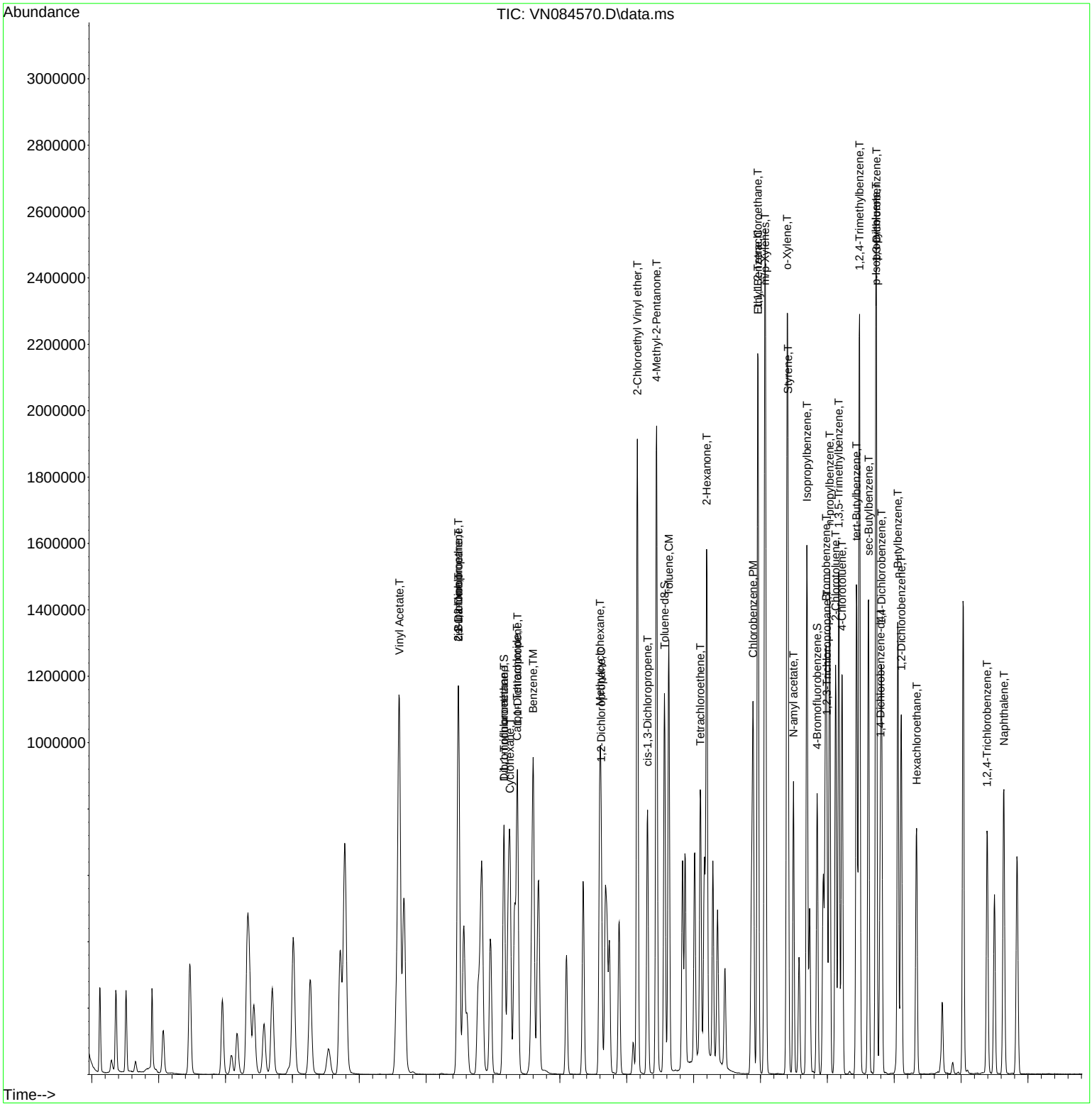
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

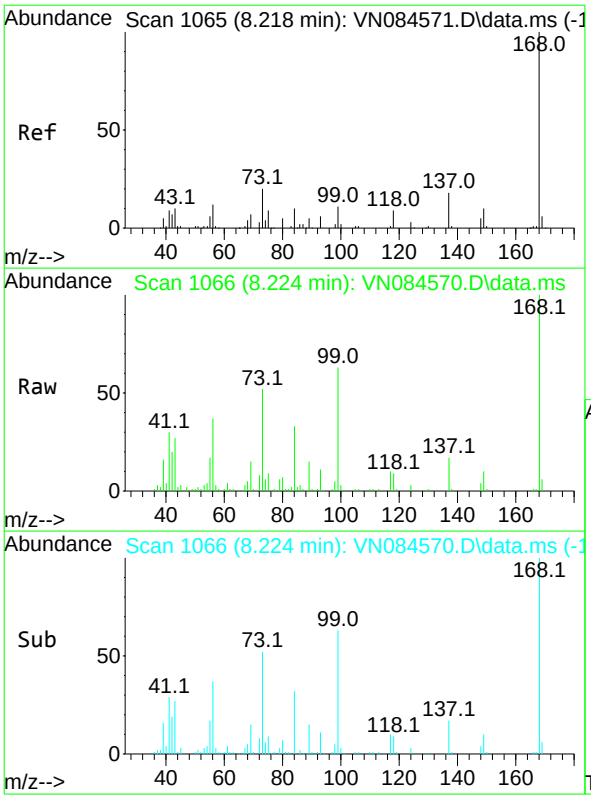
Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

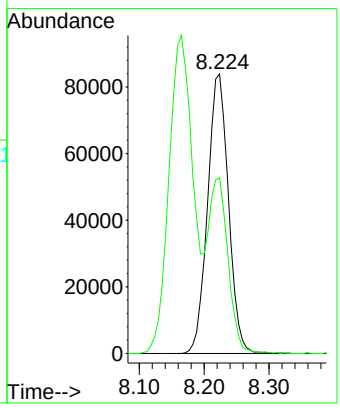




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:168 Resp: 187429

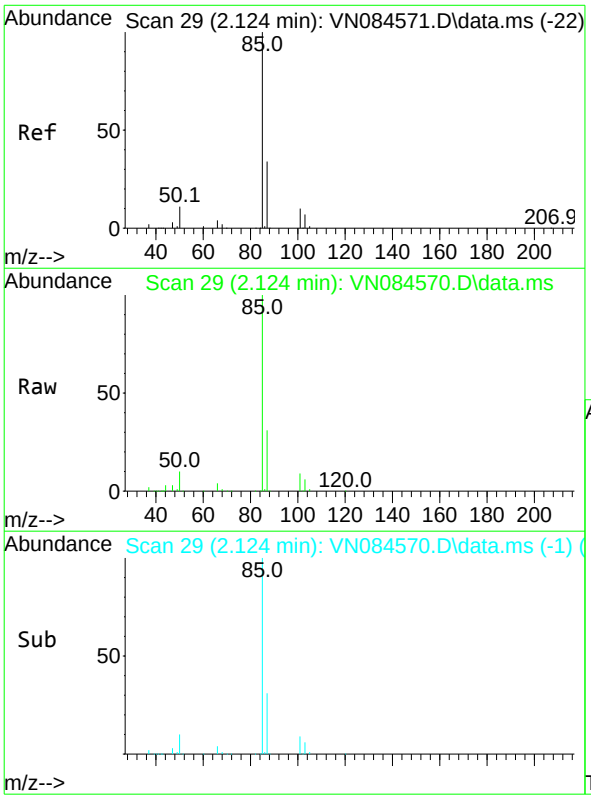
Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

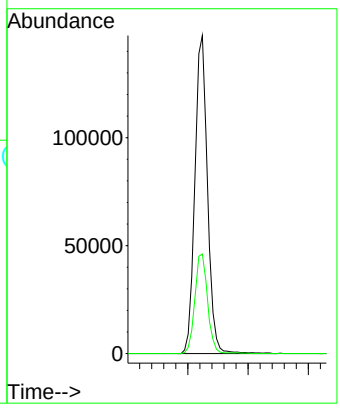
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

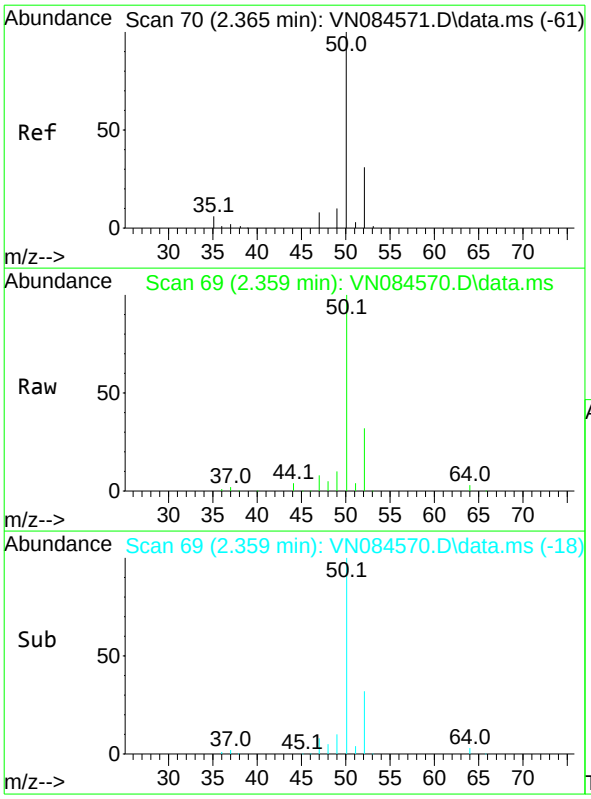


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9

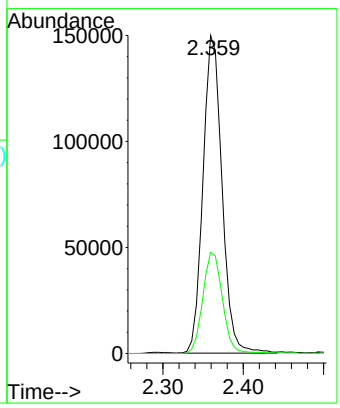




#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 50 Resp: 246492

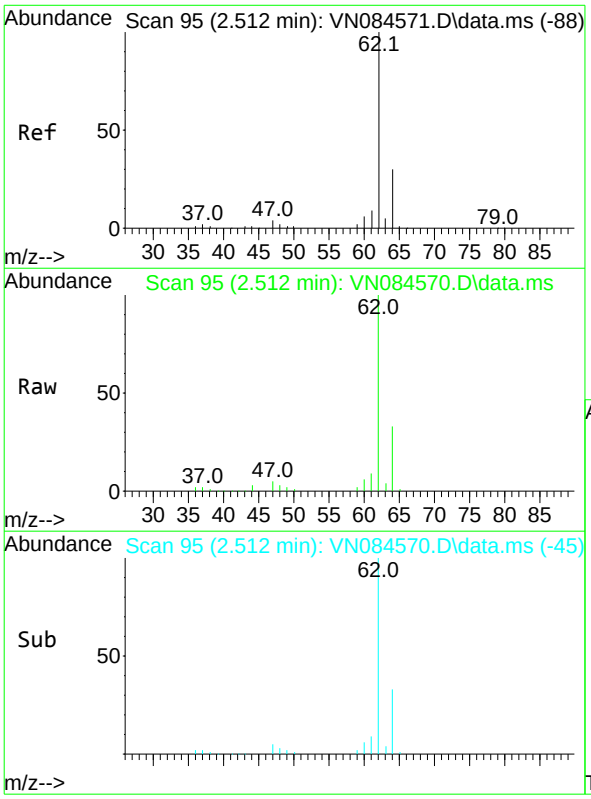
Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

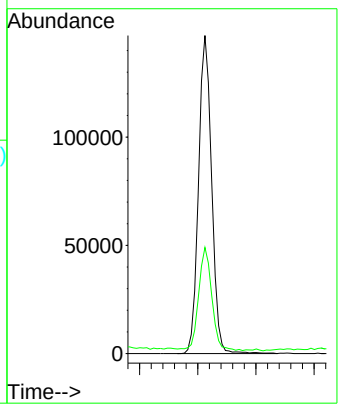
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

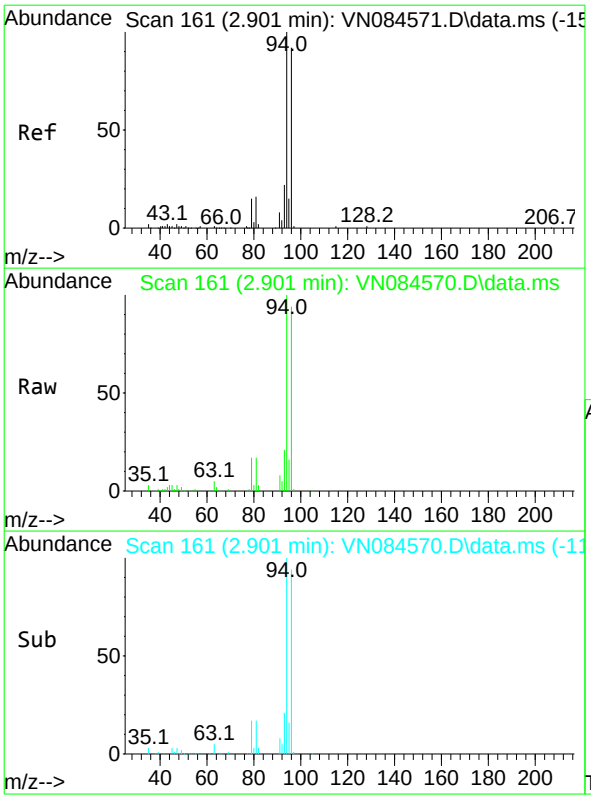


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4

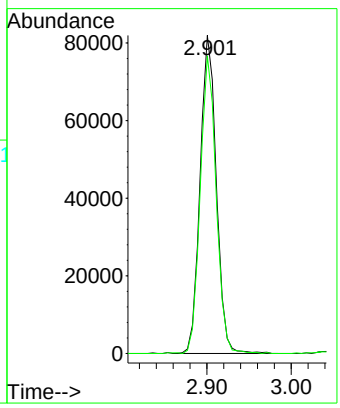




#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 94 Resp: 109436

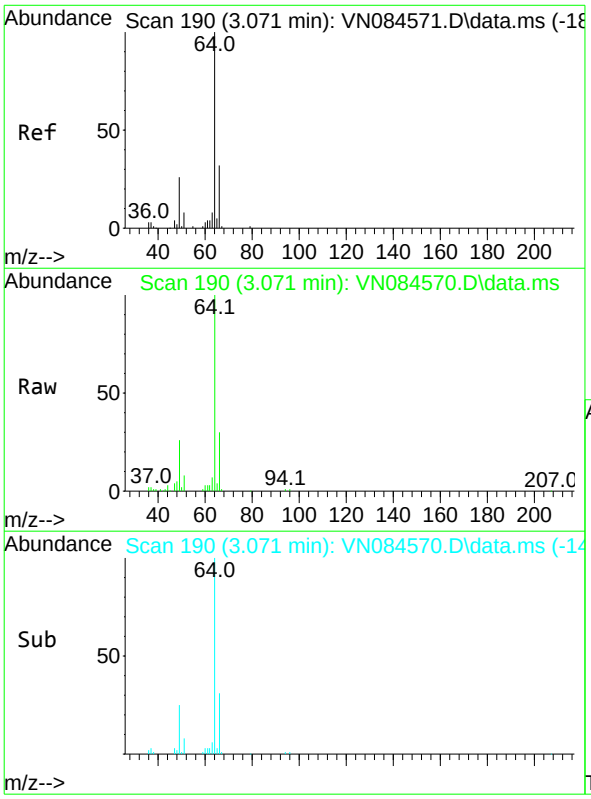
Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

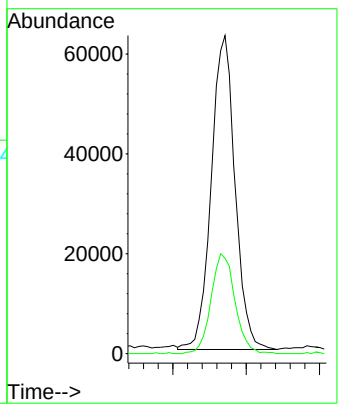
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

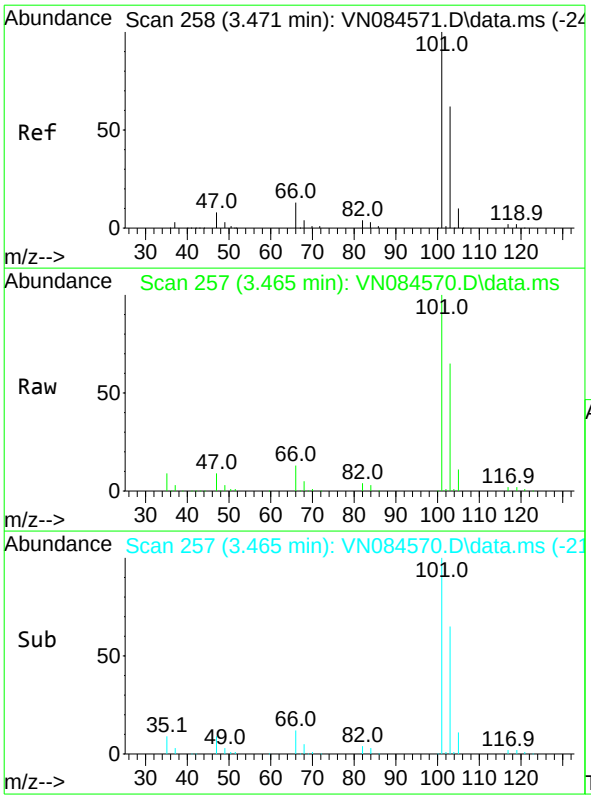


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3

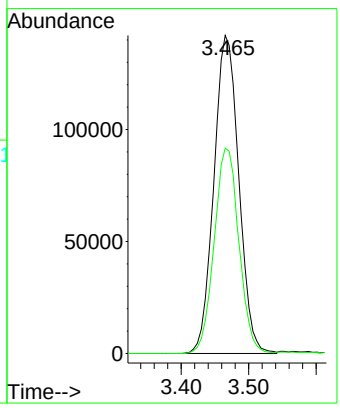




#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 363937

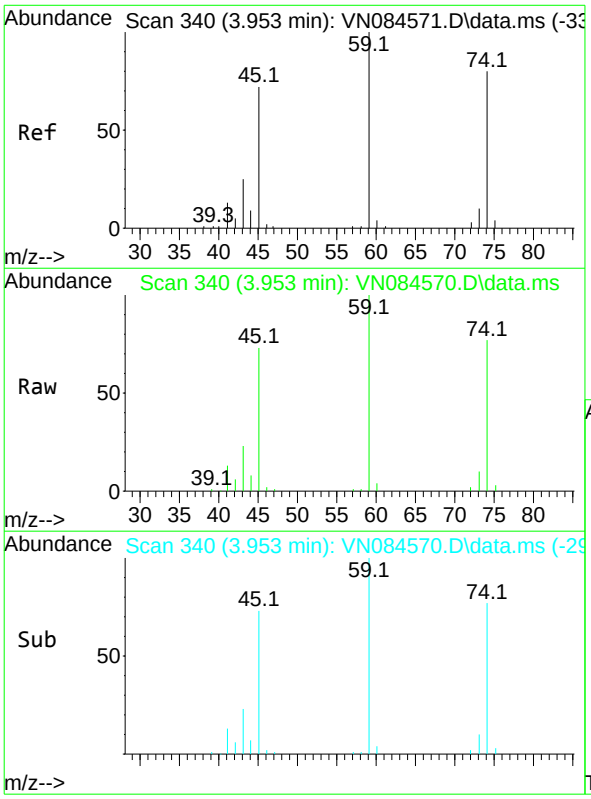
Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

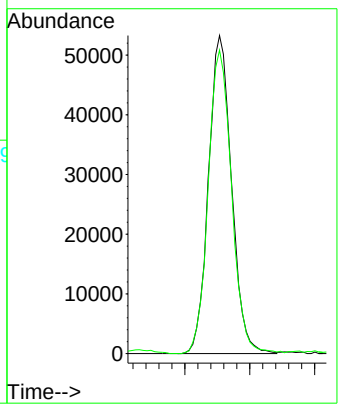
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

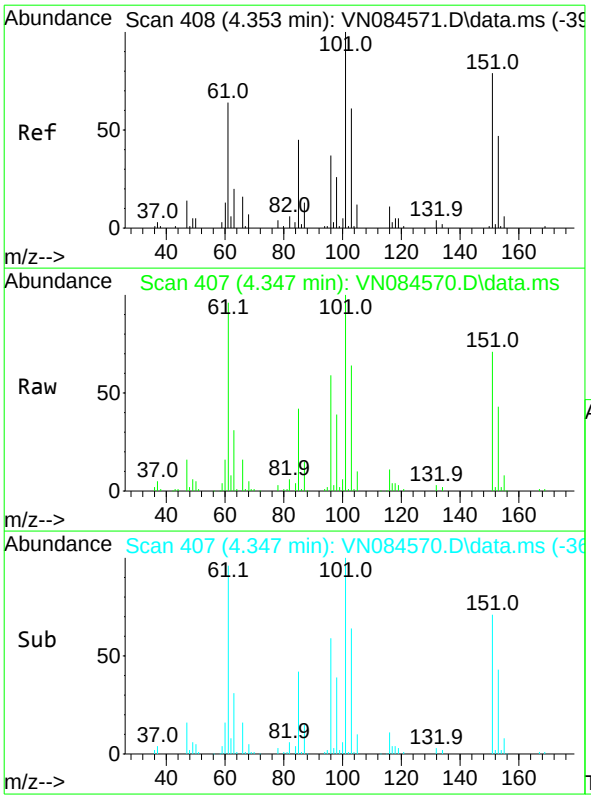


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1

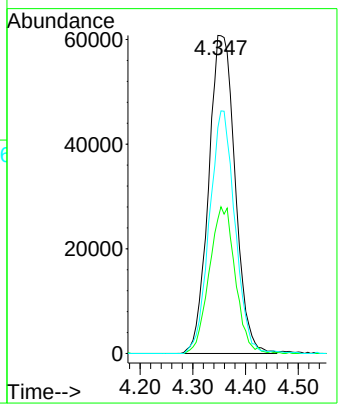




#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 40
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:101 Resp: 212244

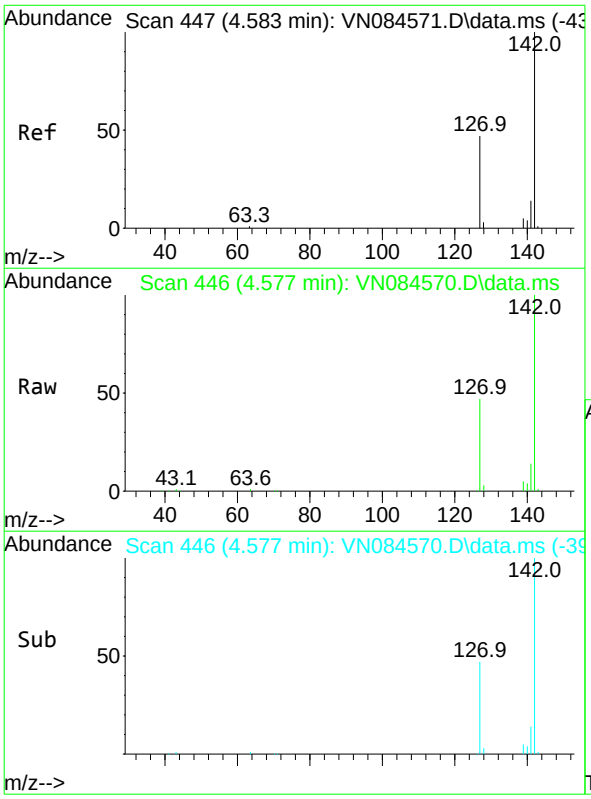
Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.2	54.4
151	73.1	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

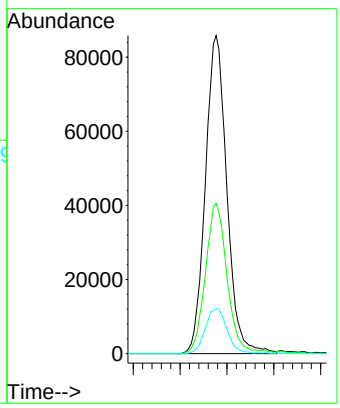
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

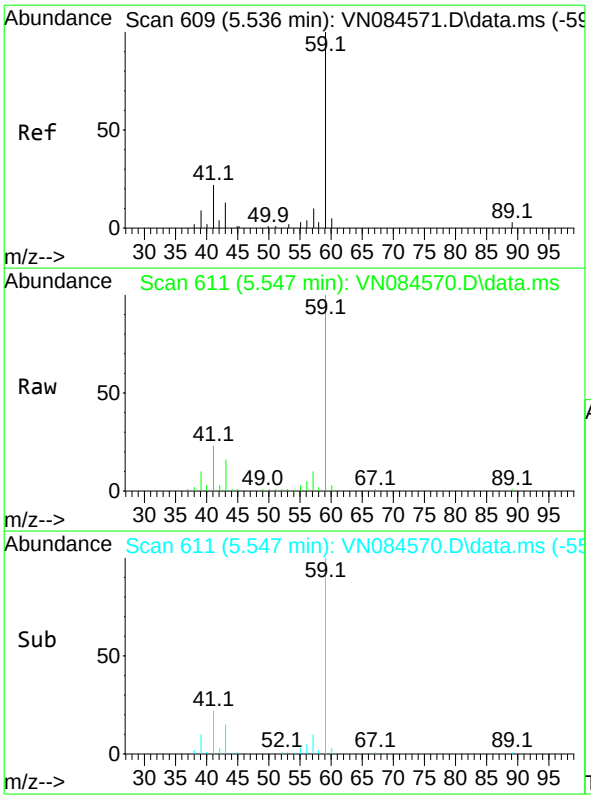


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

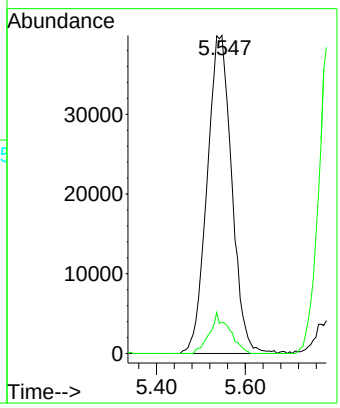




#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 59 Resp: 153595

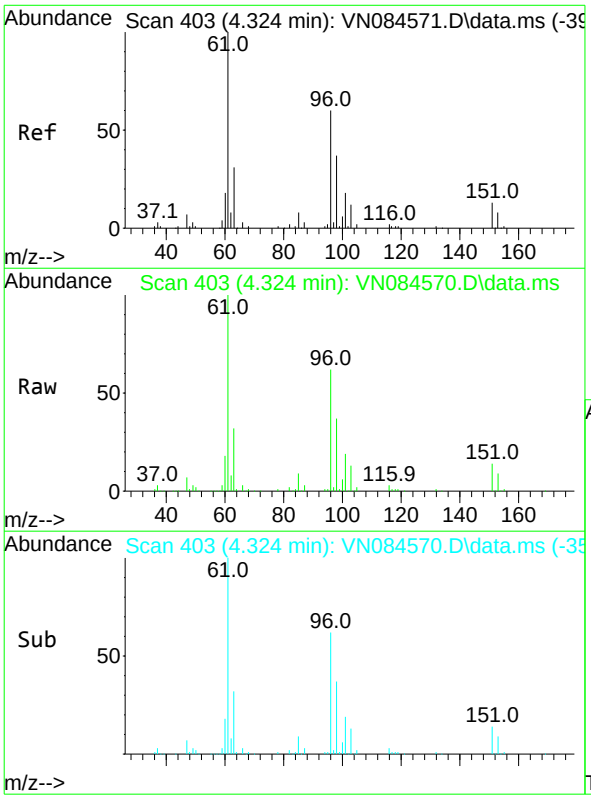
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

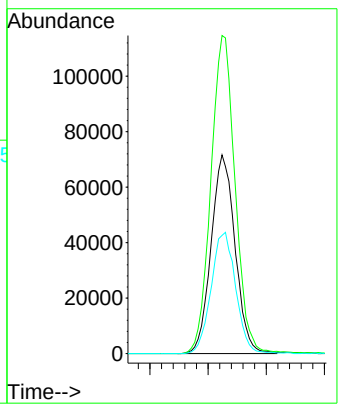
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

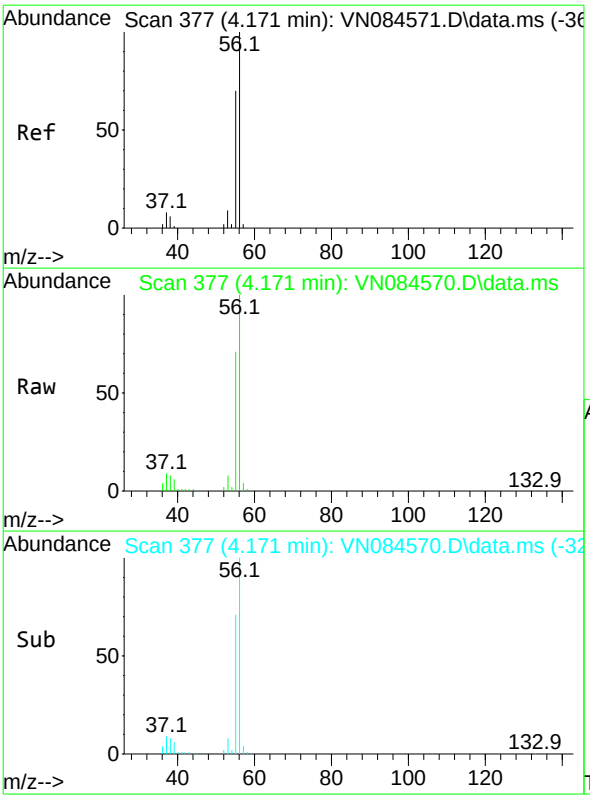


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

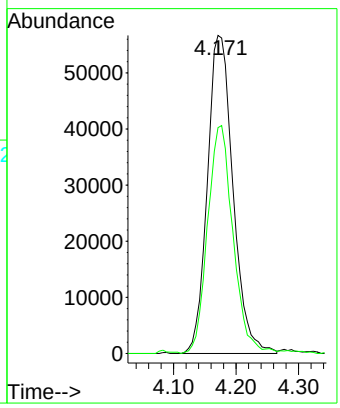




#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 161607

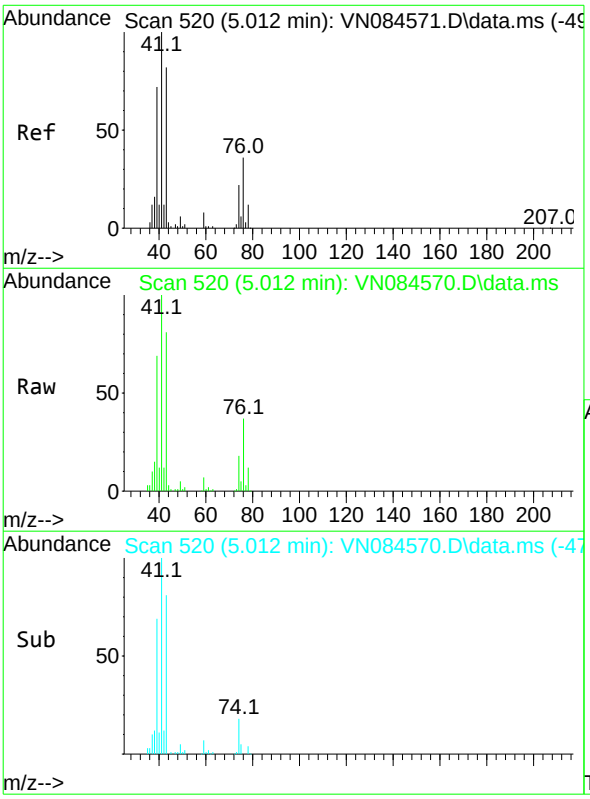
Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

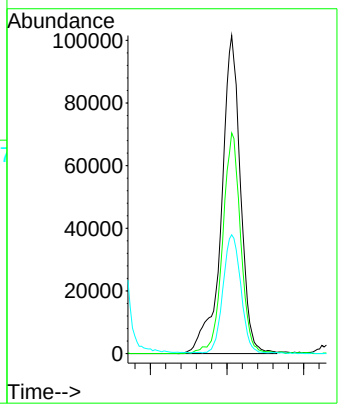
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

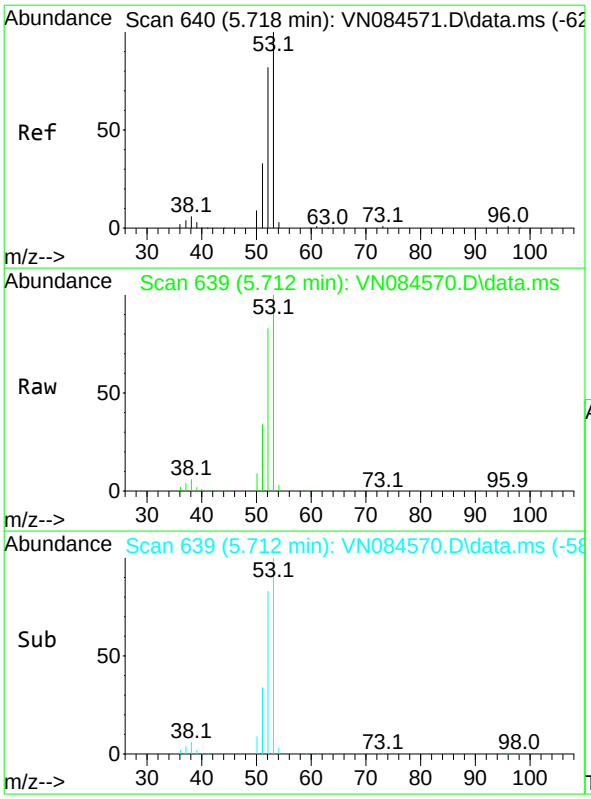


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

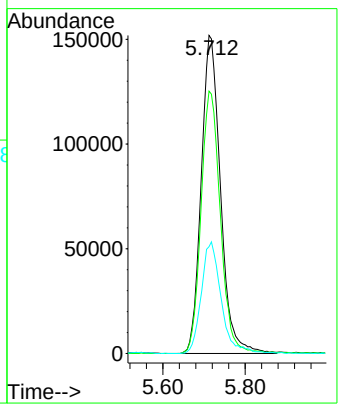




#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 53 Resp: 494070

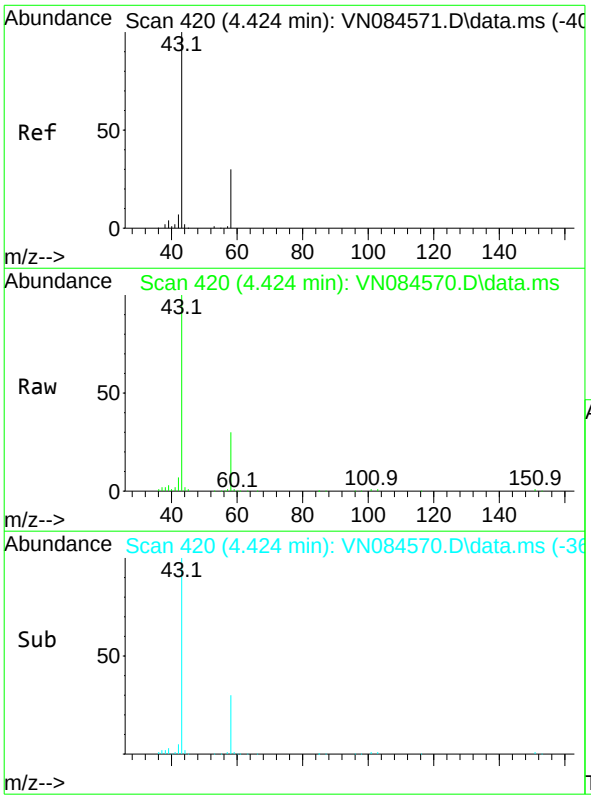
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.2	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

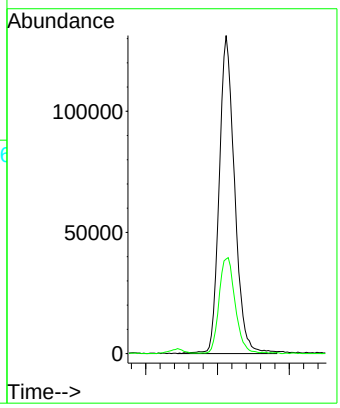
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

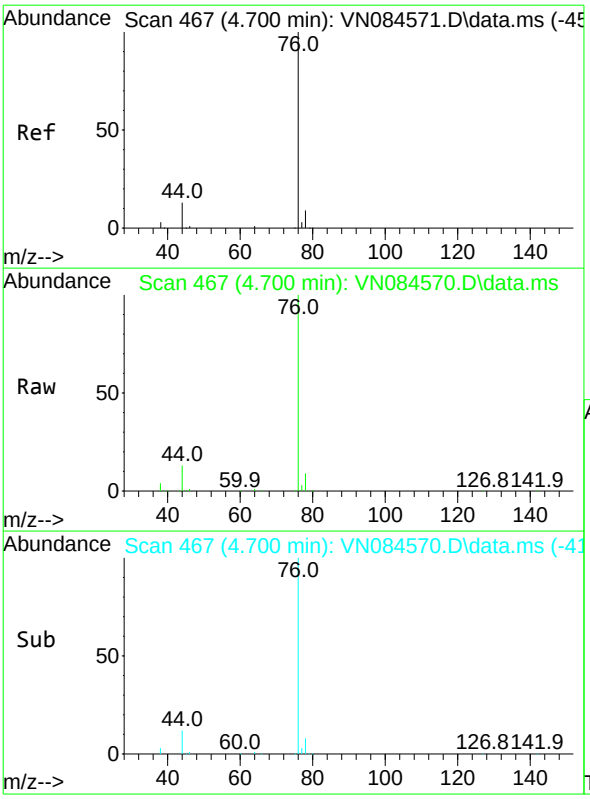


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6

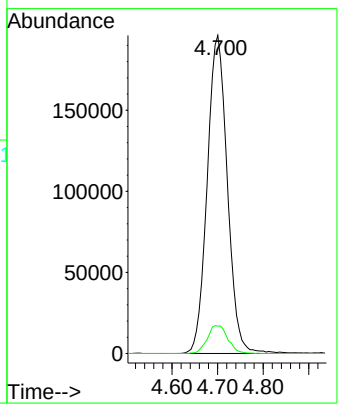




#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 601202

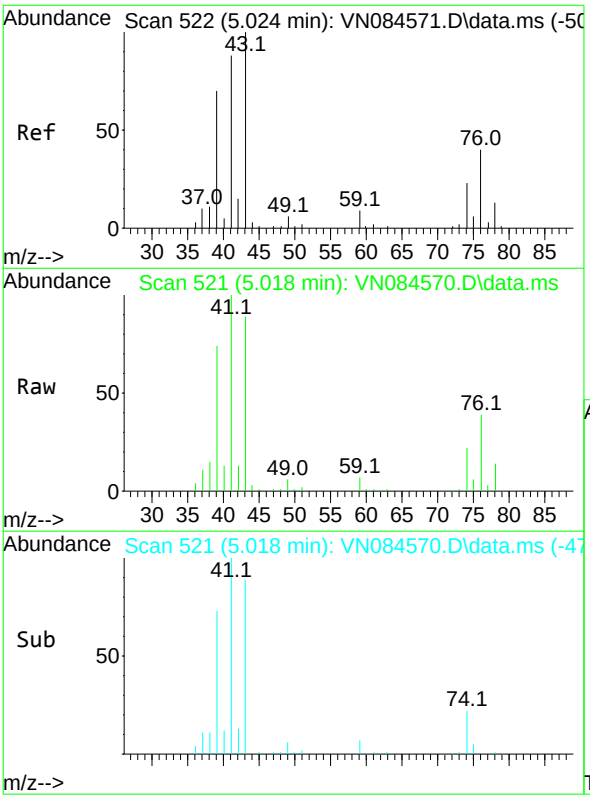
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

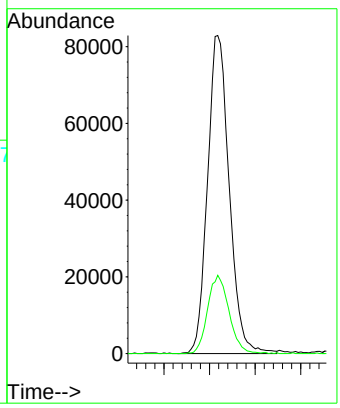
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

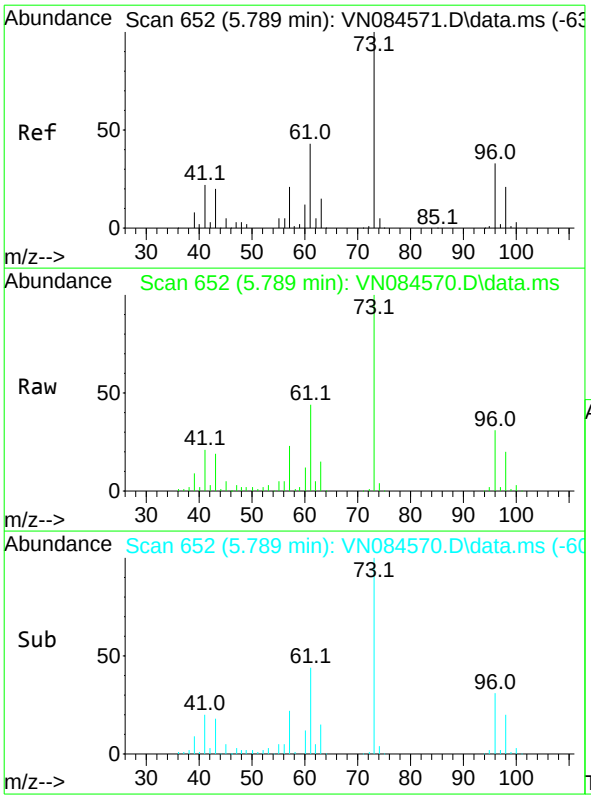


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

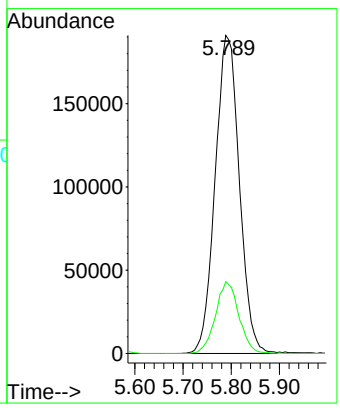




#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 73 Resp: 664800

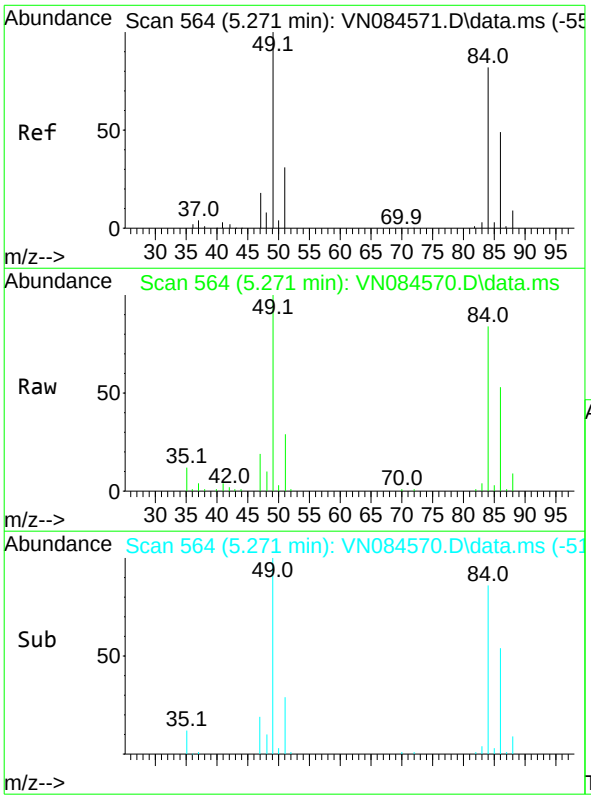
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

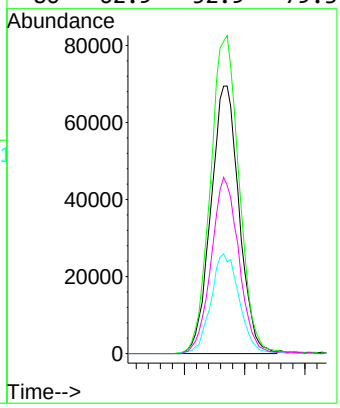
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

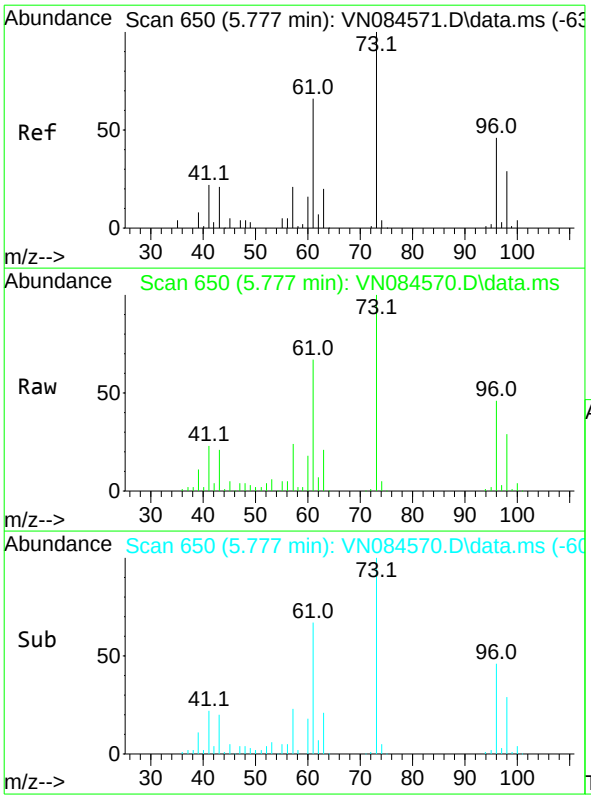


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

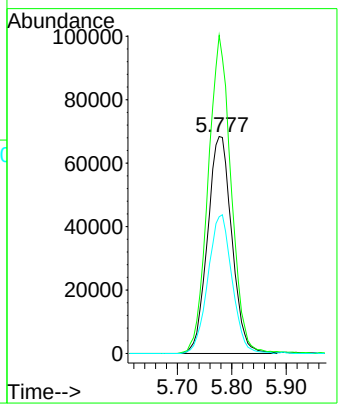




#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 211649

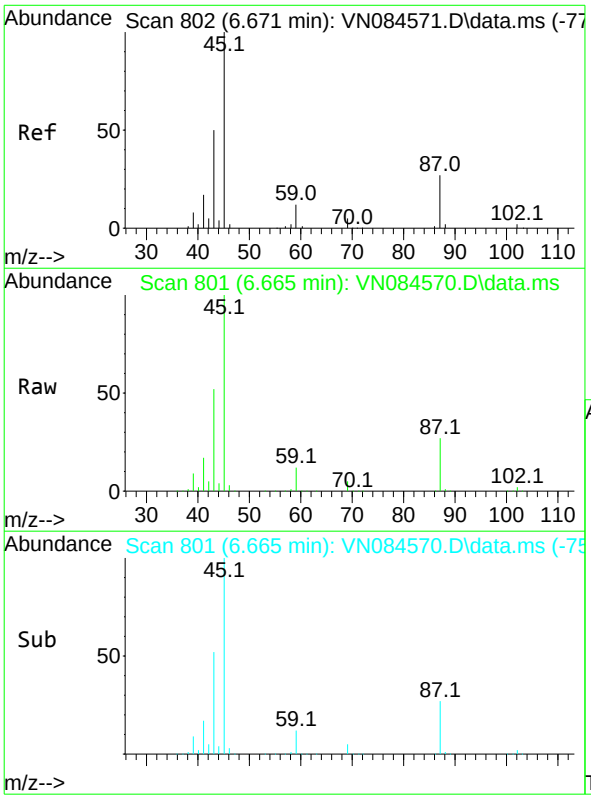
Ion	Ratio	Lower	Upper
96	100		
61	146.6	108.4	162.6
98	63.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

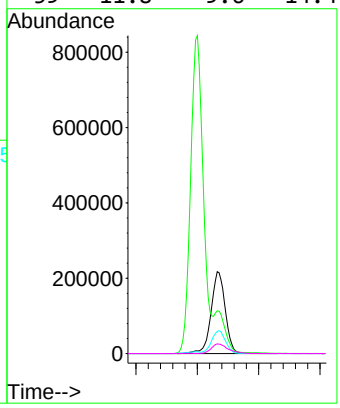
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

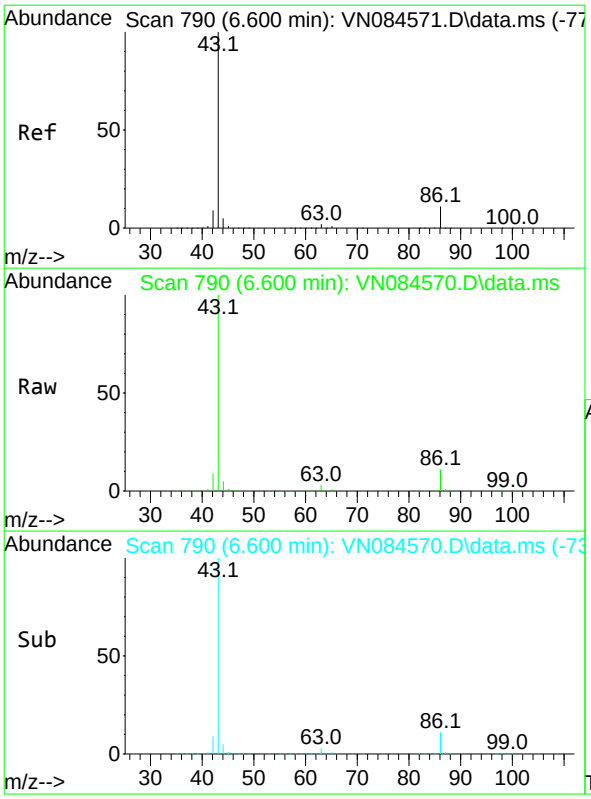


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

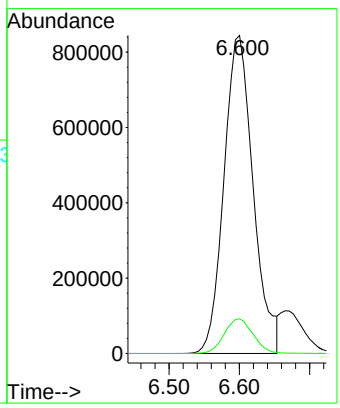




#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 2441301

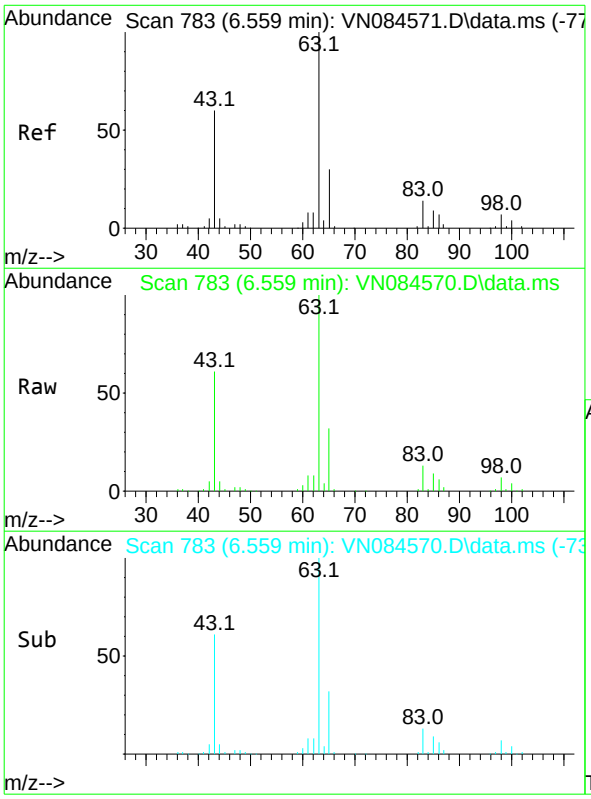
Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

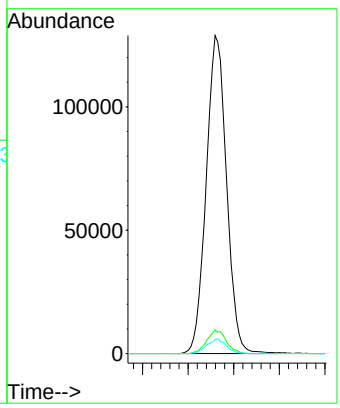
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

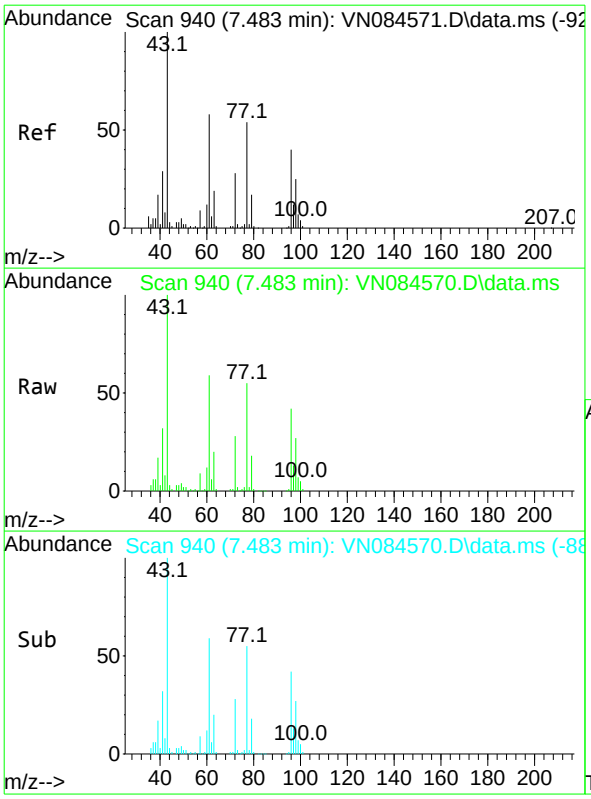


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

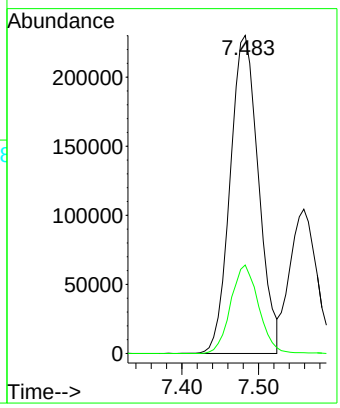




#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 591863

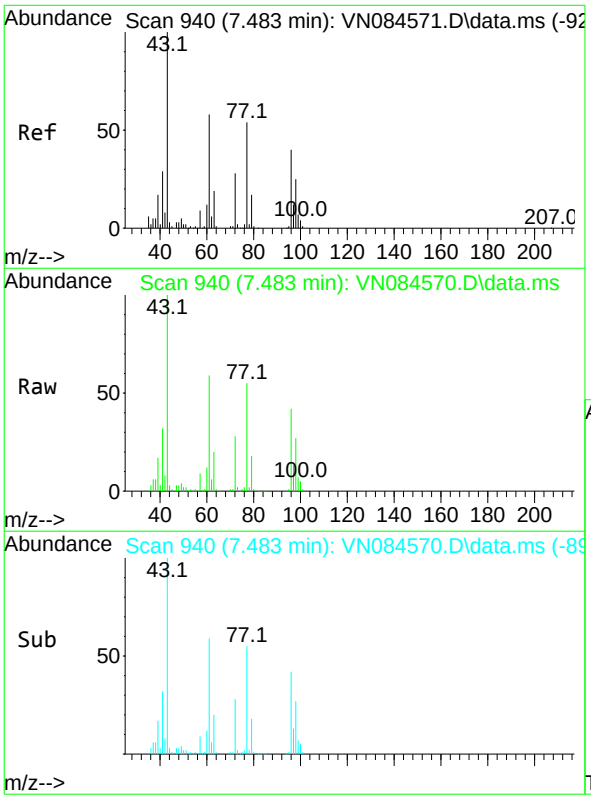
Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

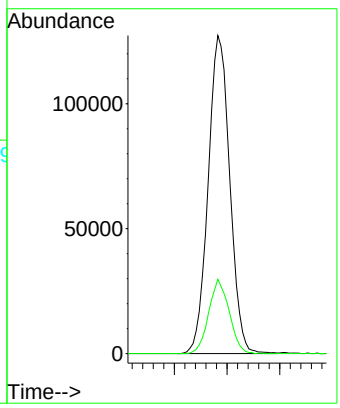
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

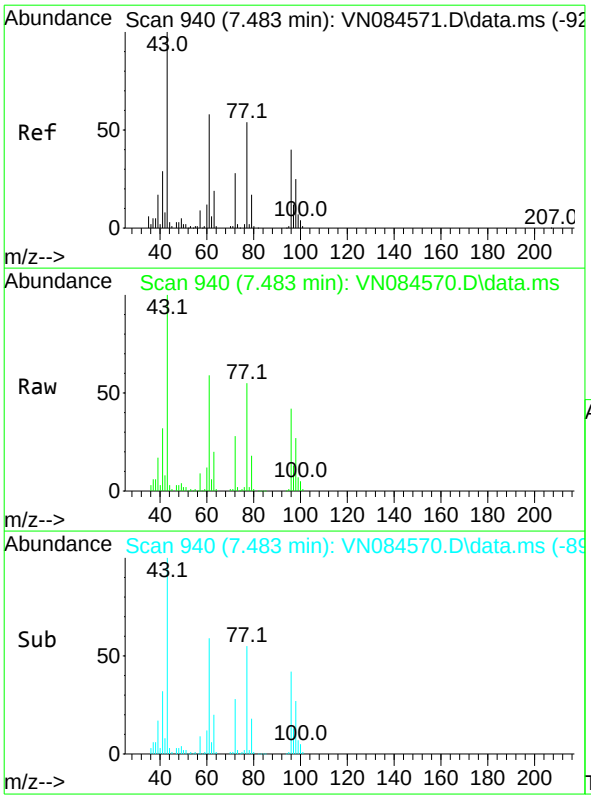


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3

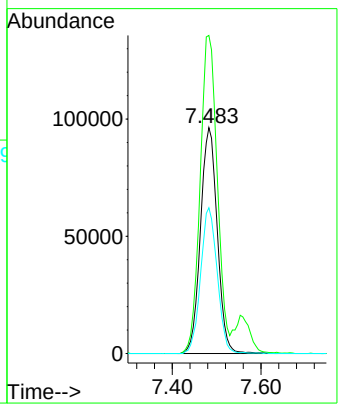




#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 96 Resp: 252932

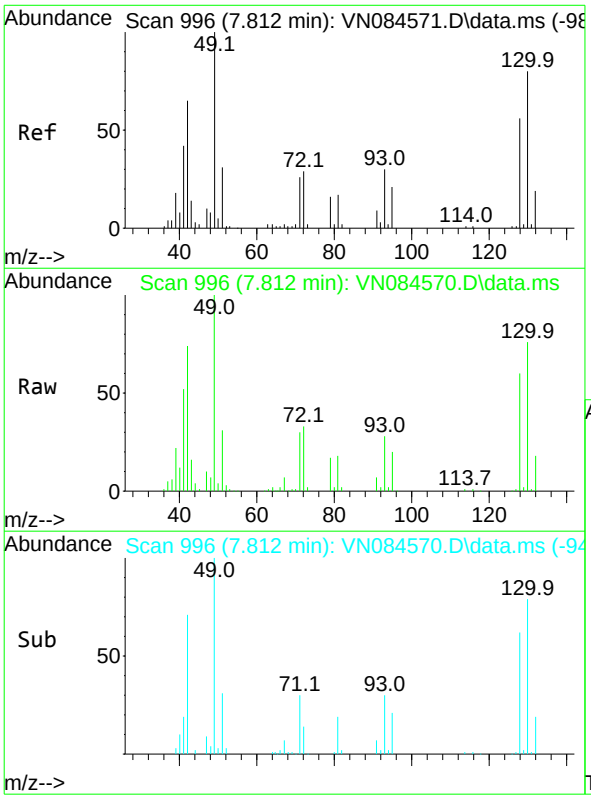
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	301.8
98	63.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

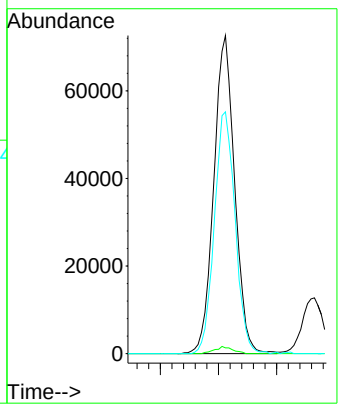
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

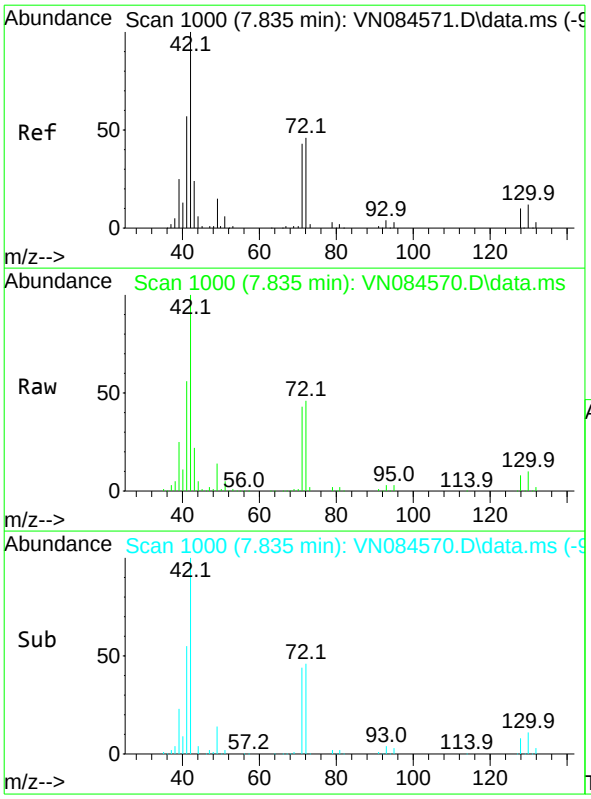


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

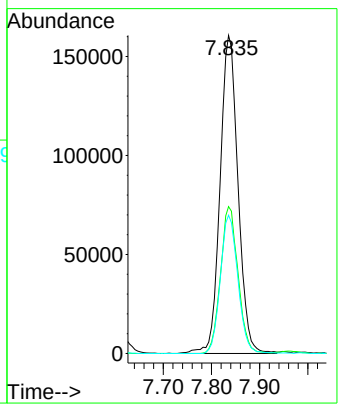




#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 42 Resp: 415033

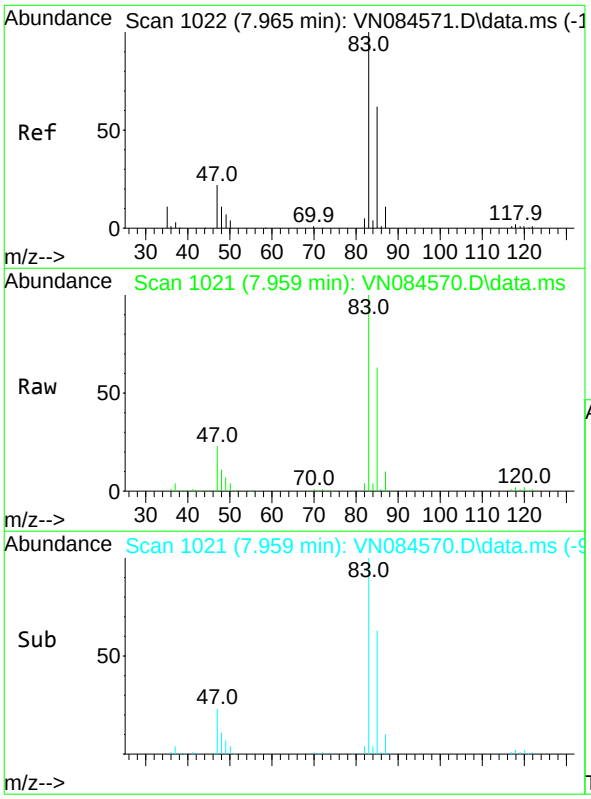
Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

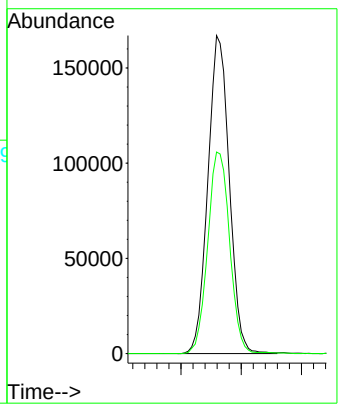
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

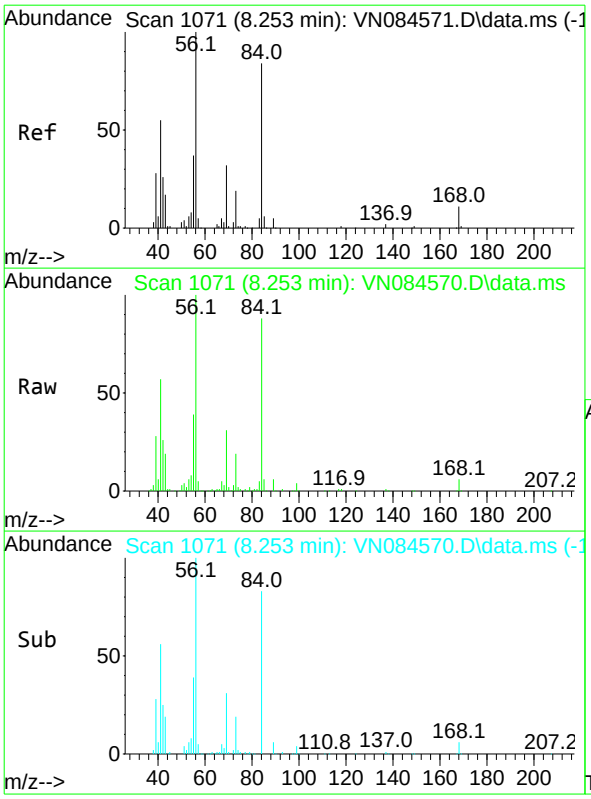


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

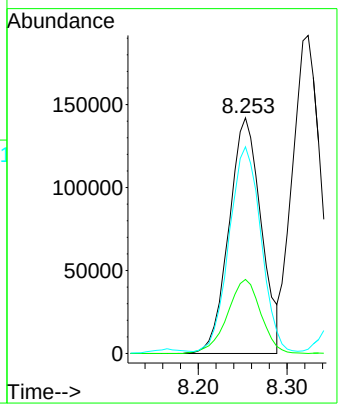




#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 56 Resp: 358350

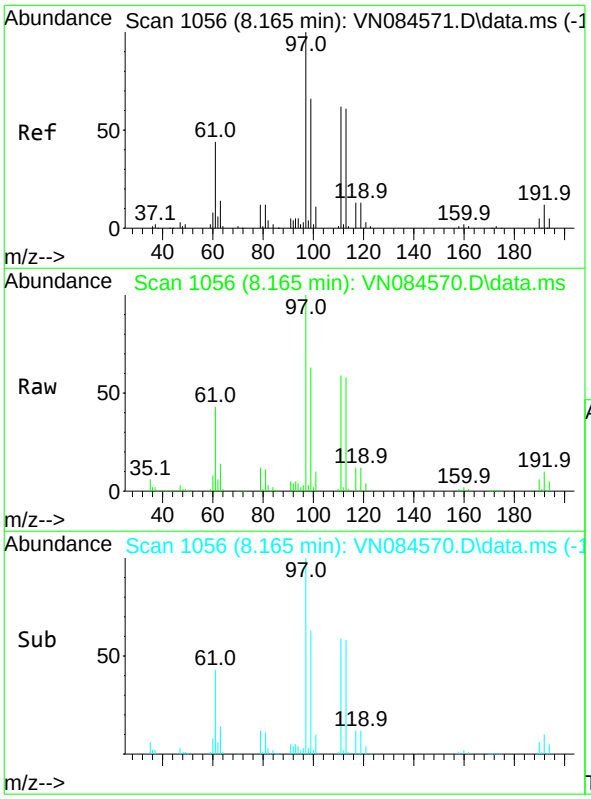
Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.8	35.6
84	86.3	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

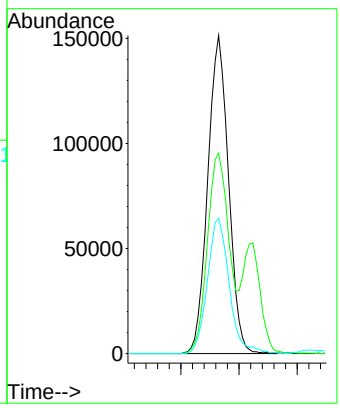
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

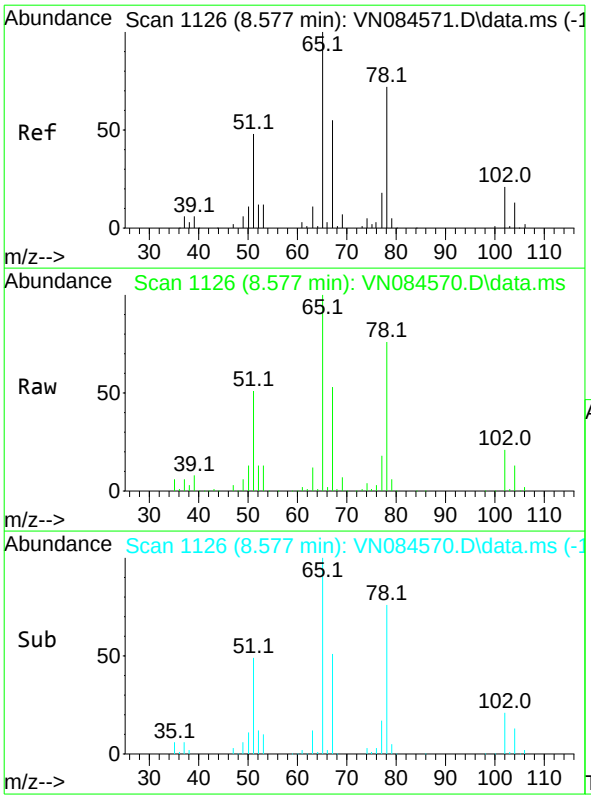


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

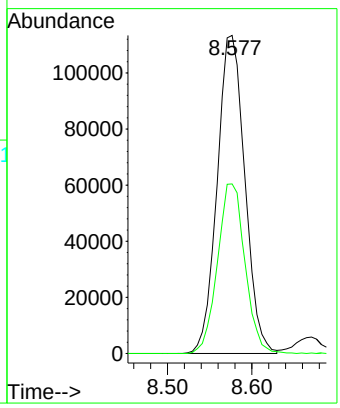




#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 65 Resp: 258269

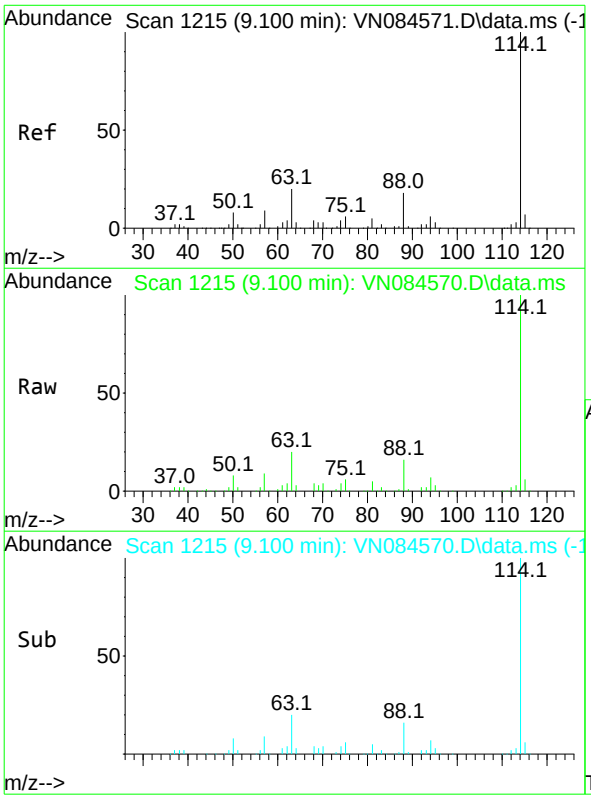
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

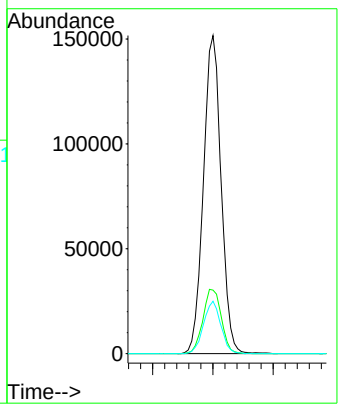
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

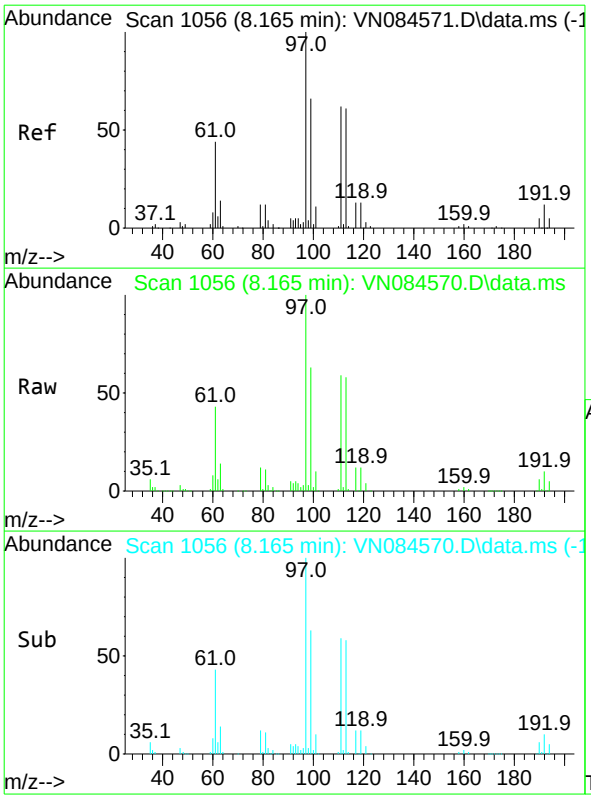


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

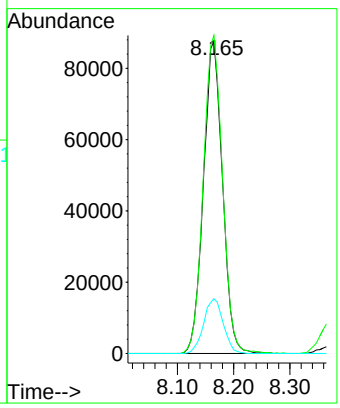




#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:113 Resp: 206417

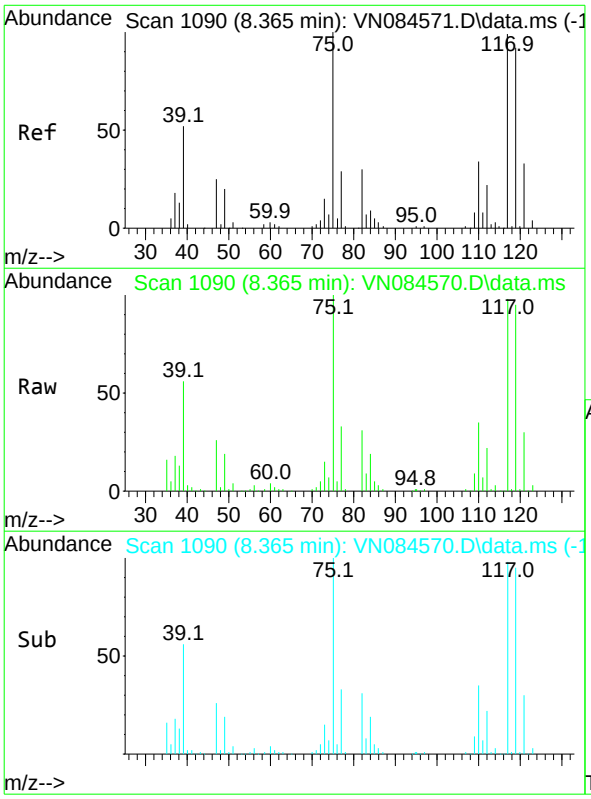
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.0	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

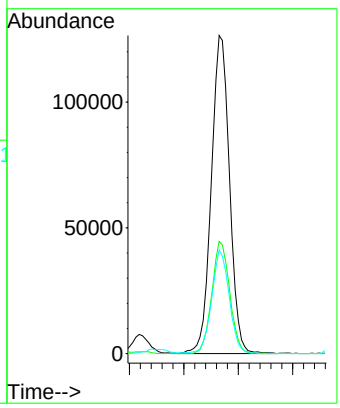
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

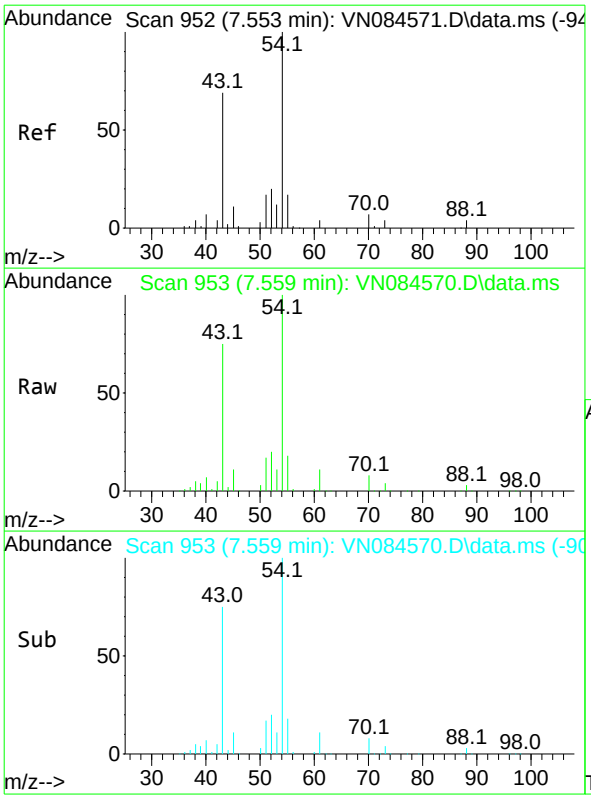


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

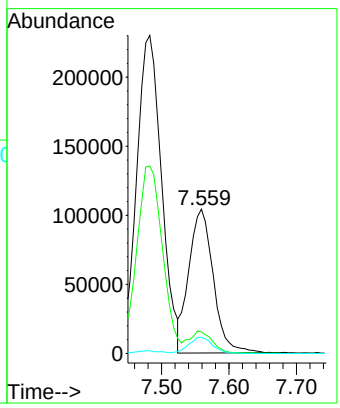




#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 262200

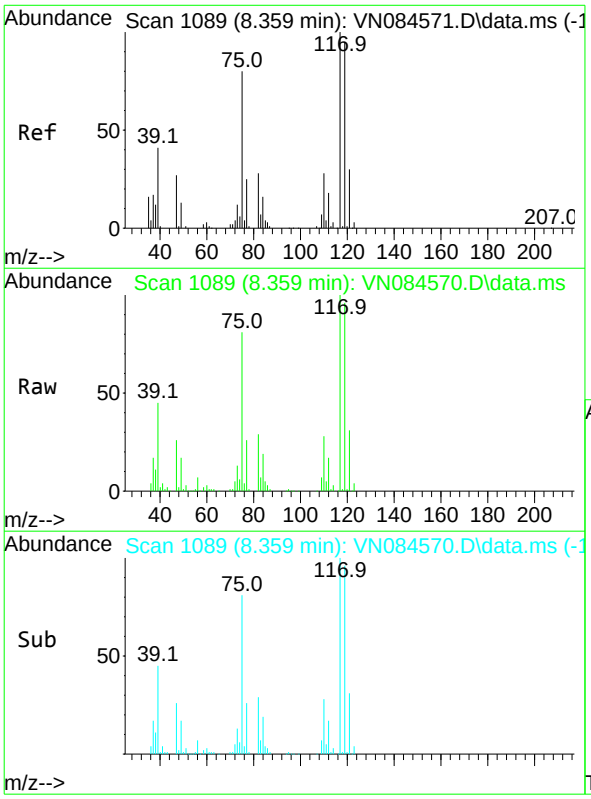
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

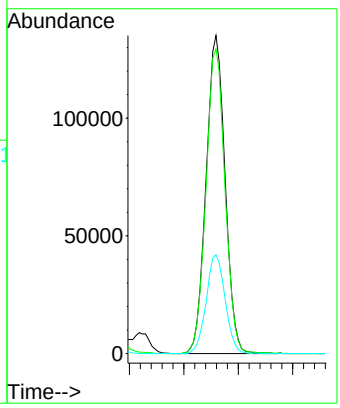
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

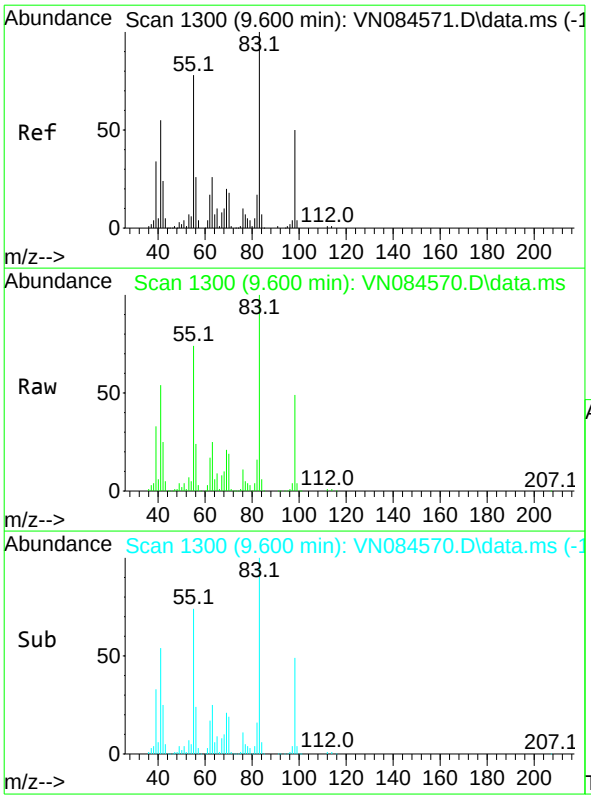


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

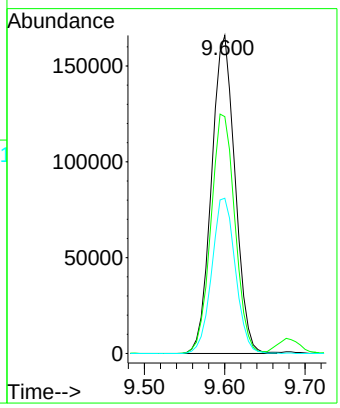




#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 337677

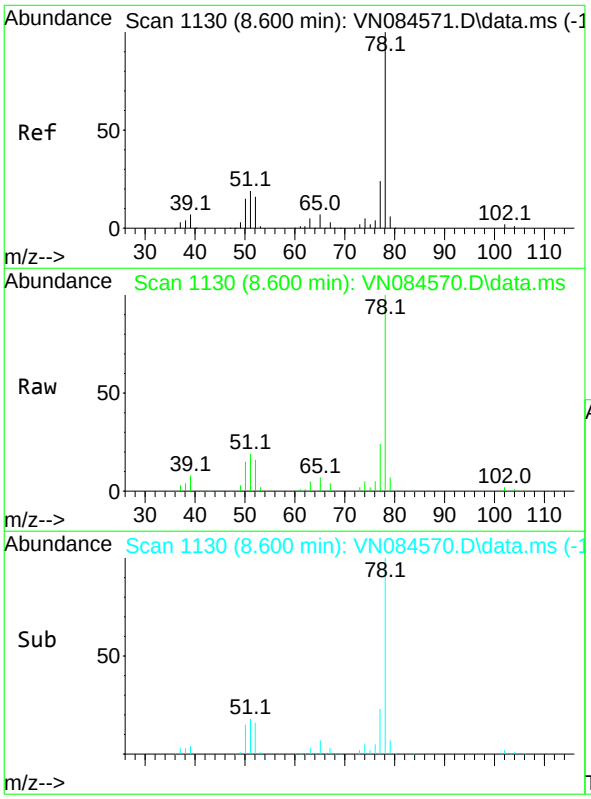
Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.8	94.2
98	48.8	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

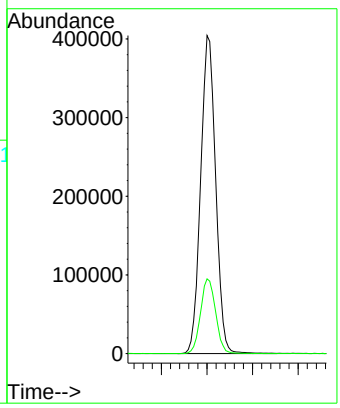
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

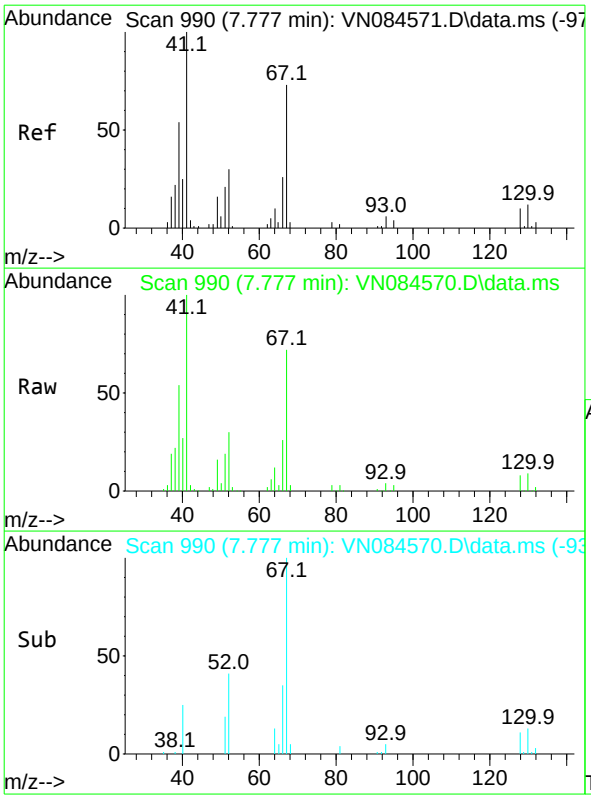


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

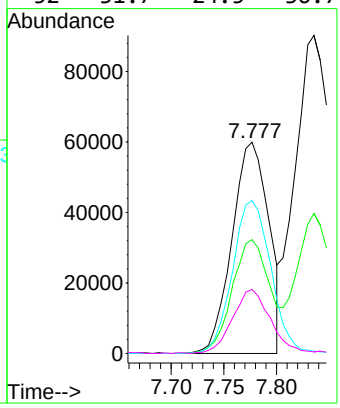




#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 41 Resp: 145041

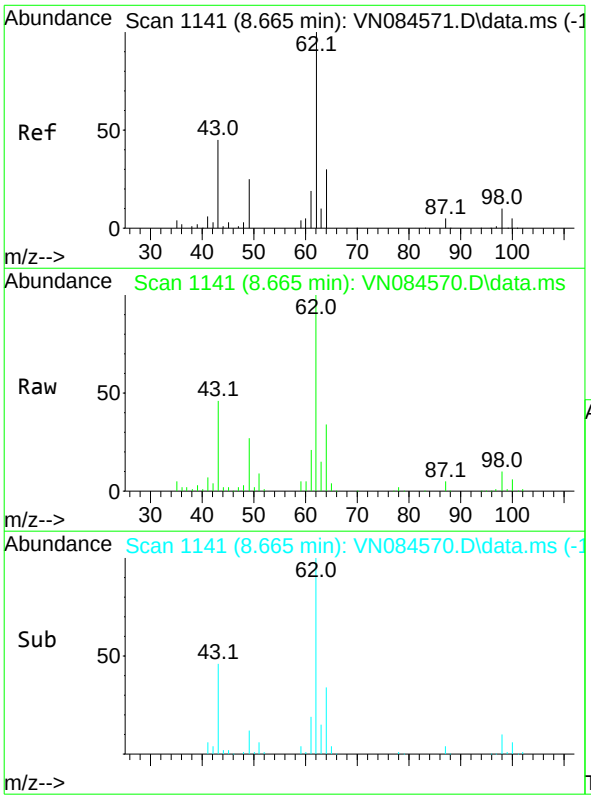
Ion	Ratio	Lower	Upper
41	100		
39	56.8	43.3	64.9
67	76.0	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

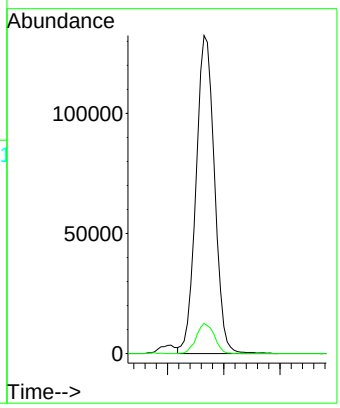
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

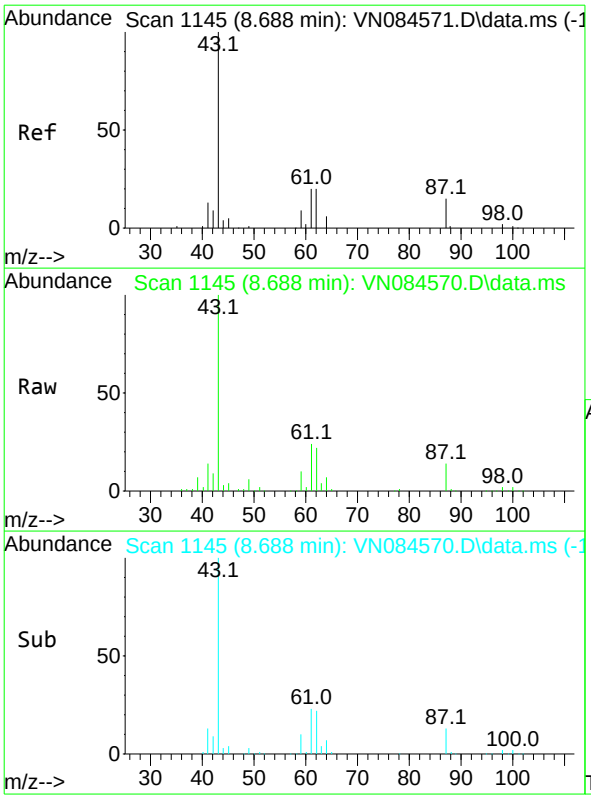


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

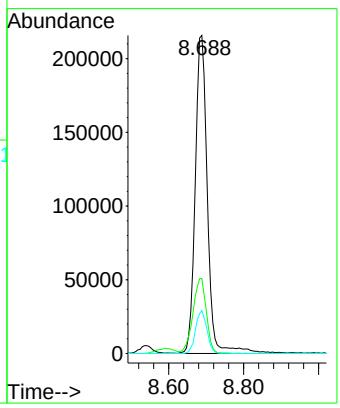




#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 485962

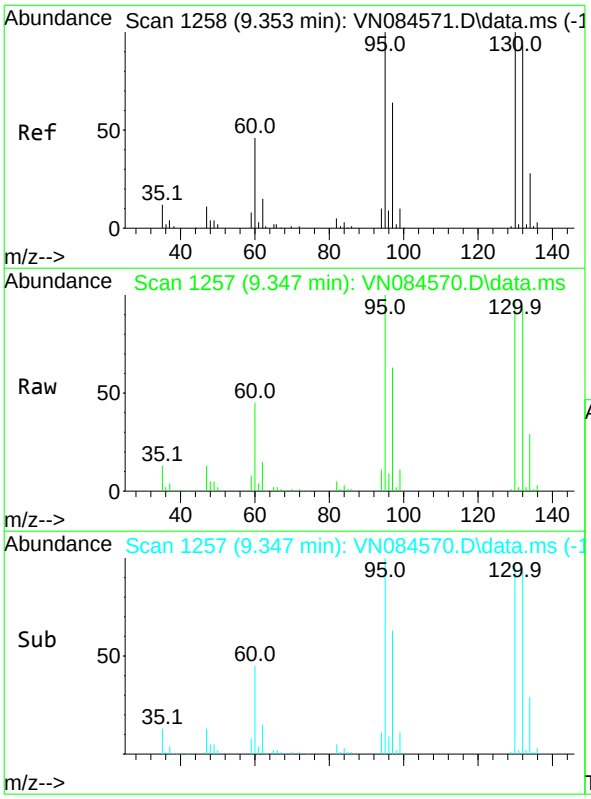
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	12.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

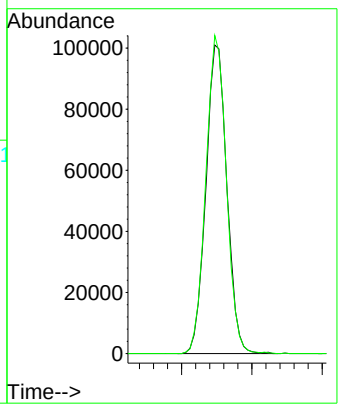
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

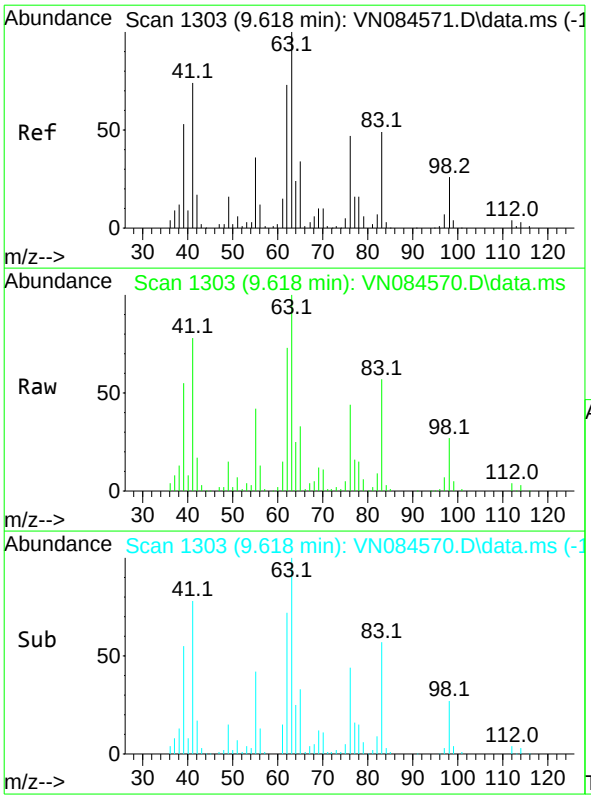


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0

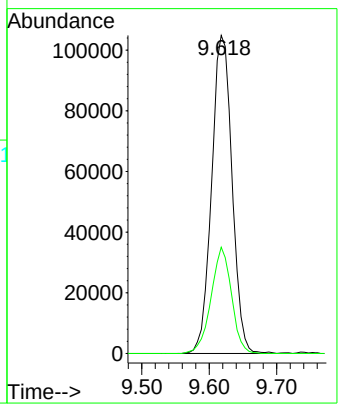




#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 220258

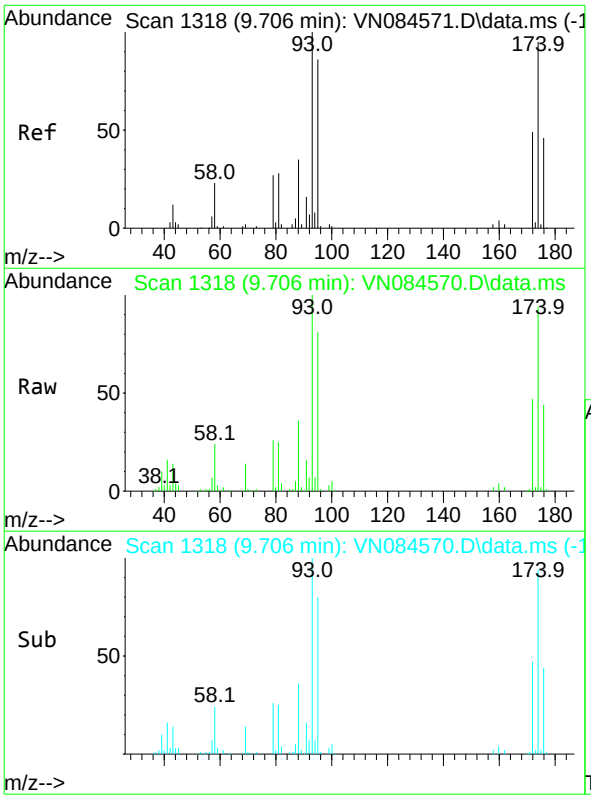
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

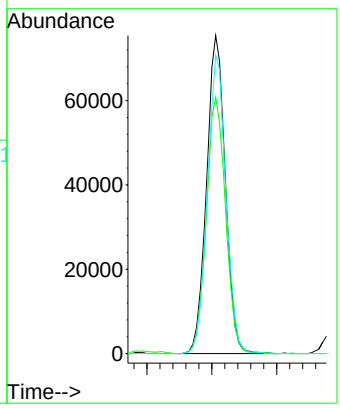
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

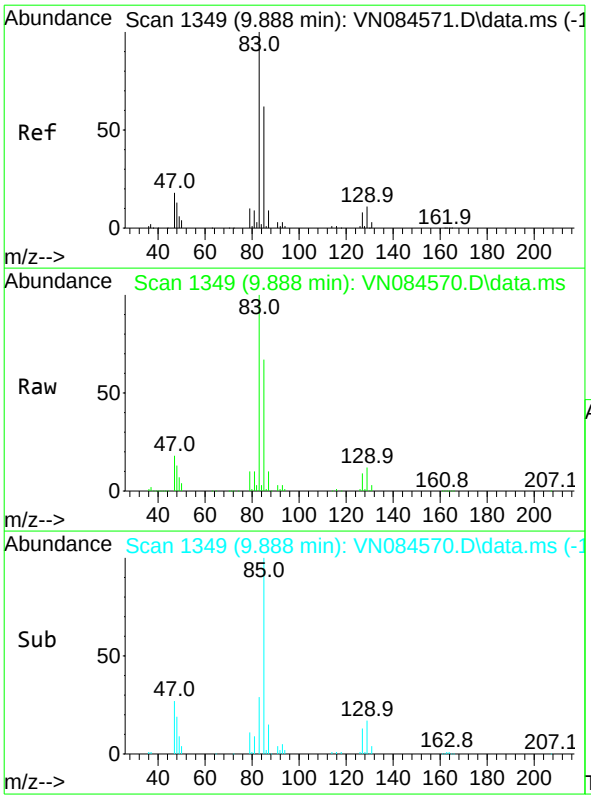


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

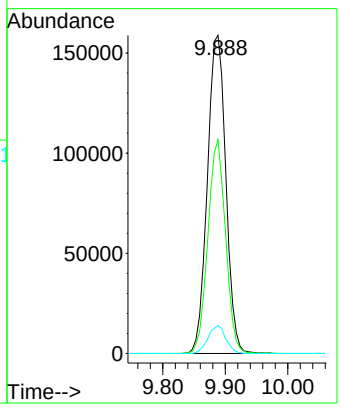




#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 326466

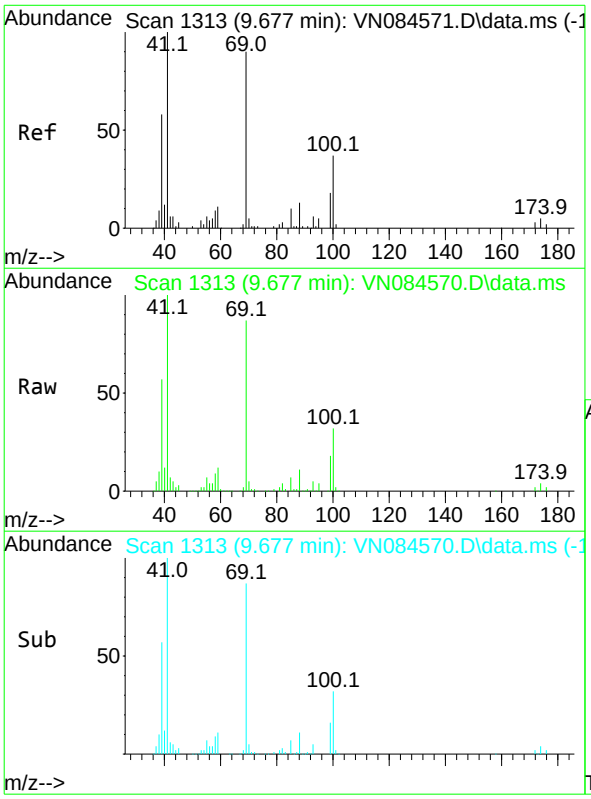
Ion	Ratio	Lower	Upper
83	100		
85	67.2	51.5	77.3
127	8.8	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

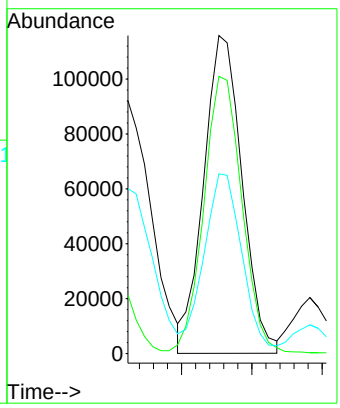
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

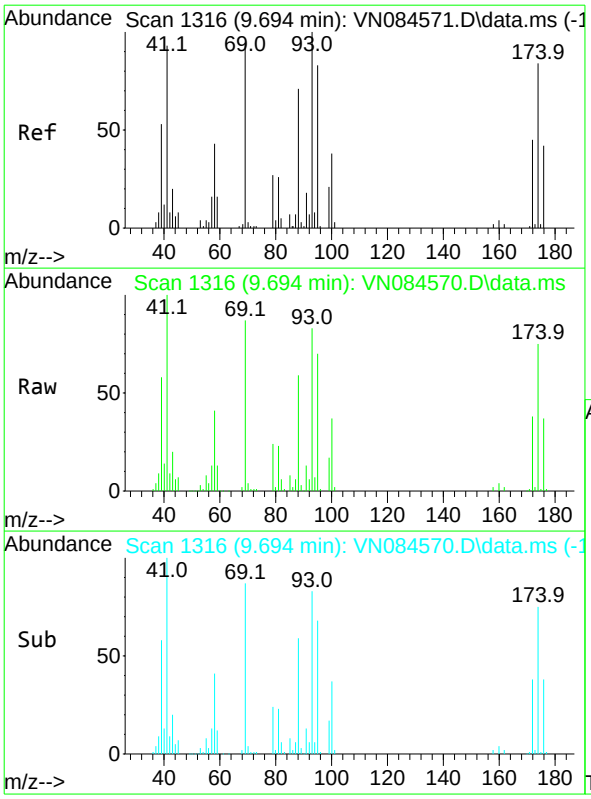


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

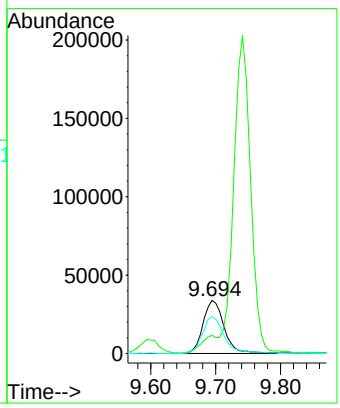




#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 88 Resp: 76189

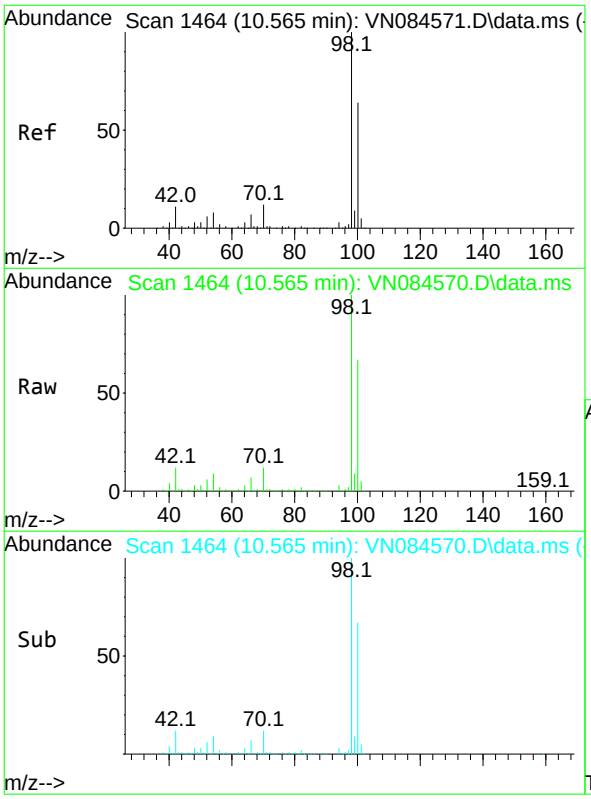
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	72.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

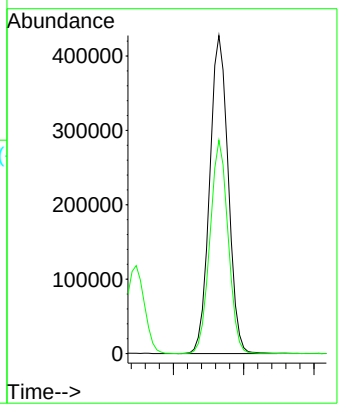
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

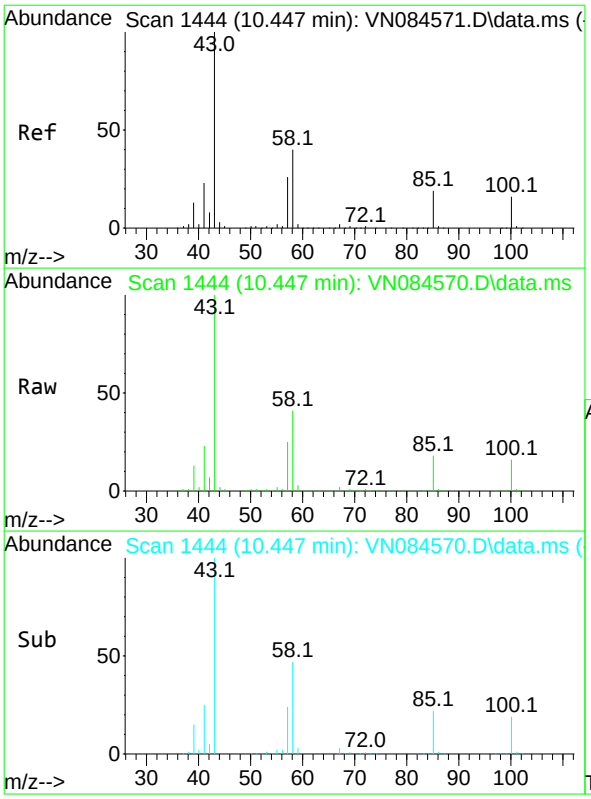


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

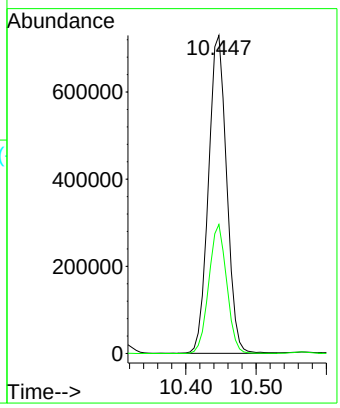




#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 1312148

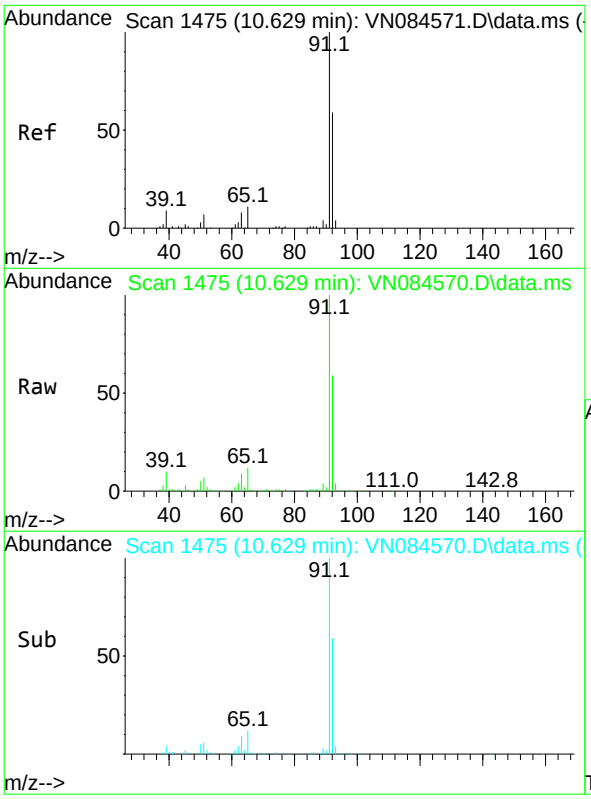
Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

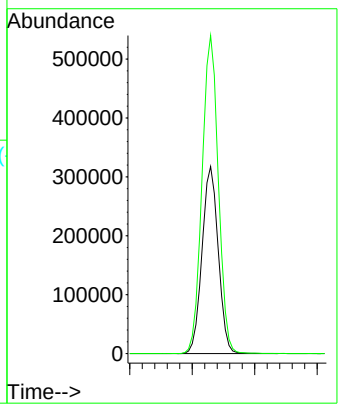
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

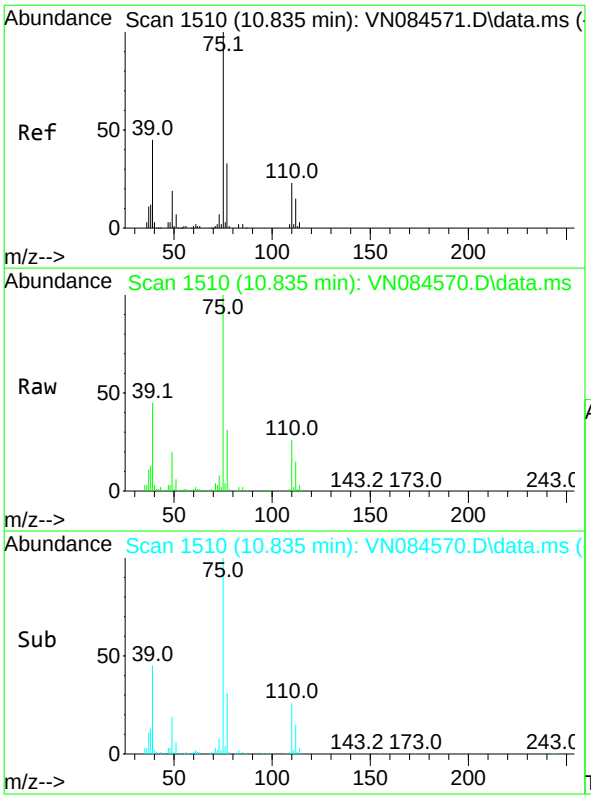


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9

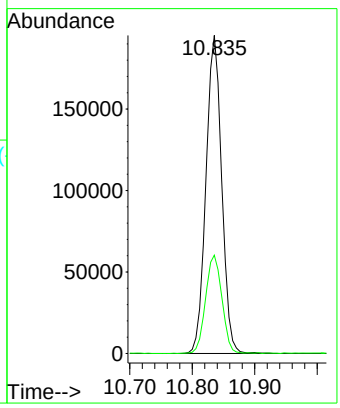




#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 341196

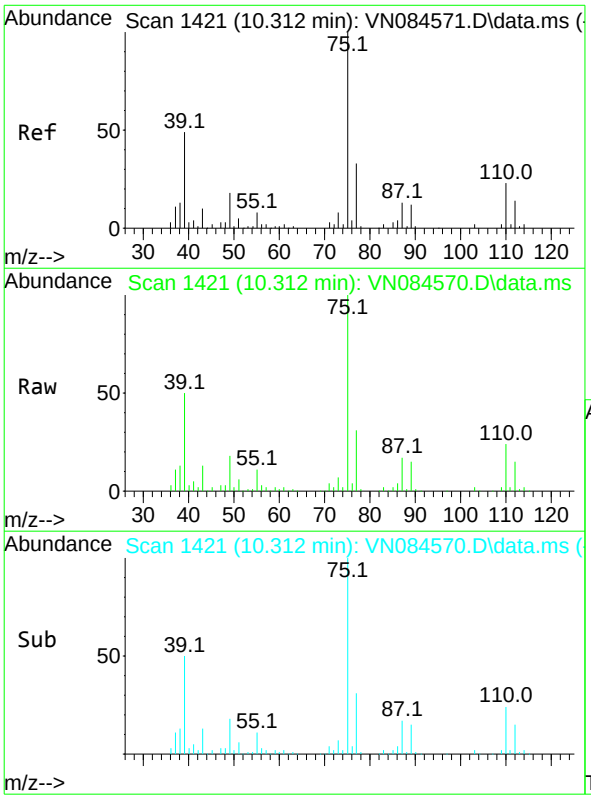
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

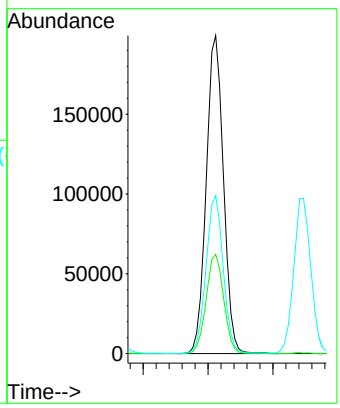
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

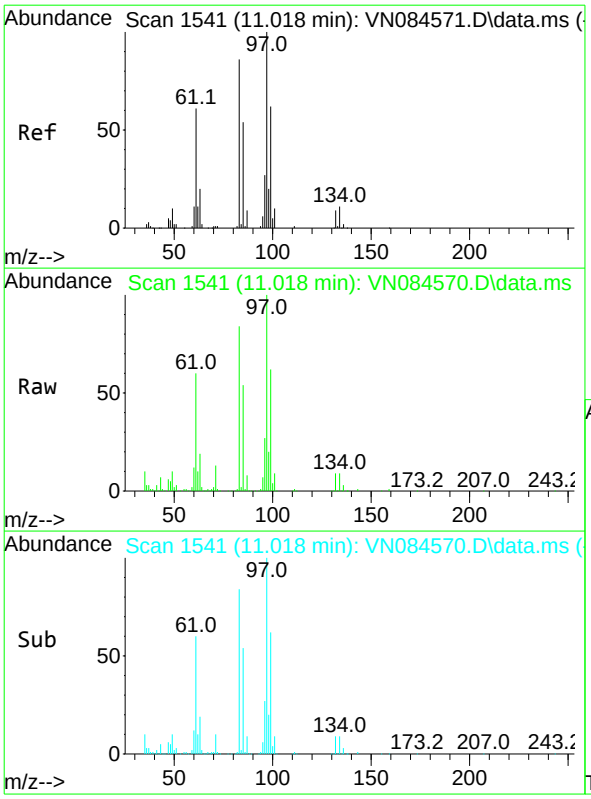


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

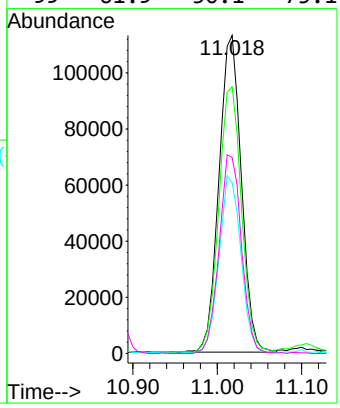




#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 97 Resp: 207689

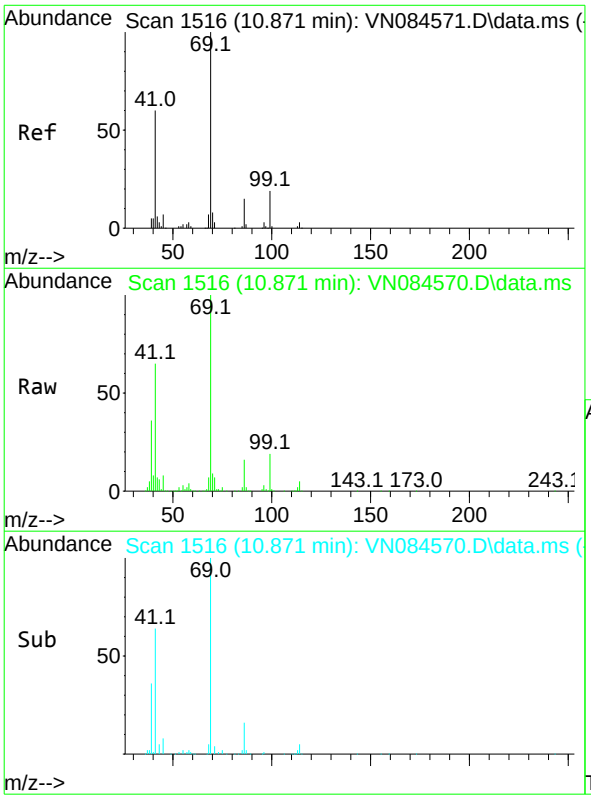
Ion	Ratio	Lower	Upper
97	100		
83	83.6	71.0	106.4
85	53.7	41.7	62.5
99	61.9	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

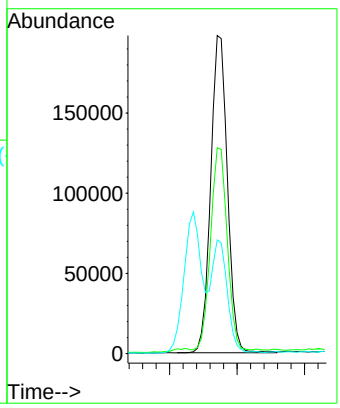
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

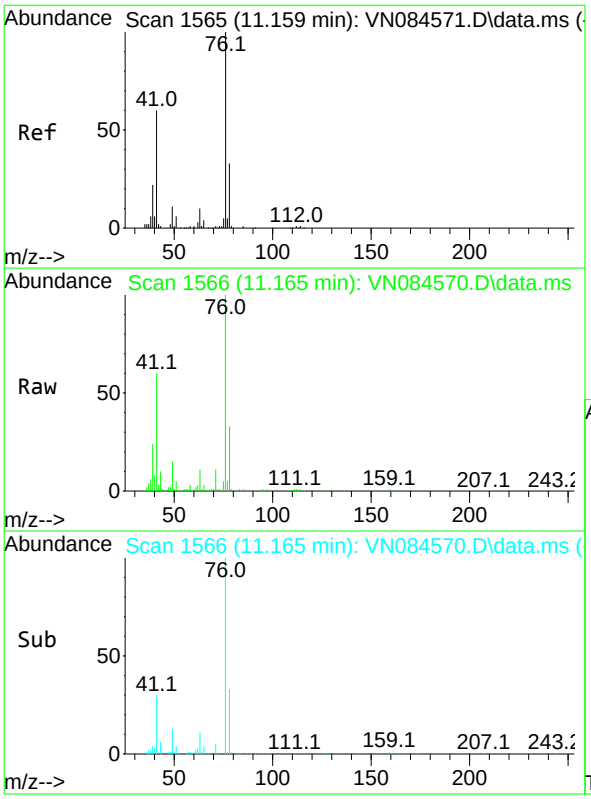


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

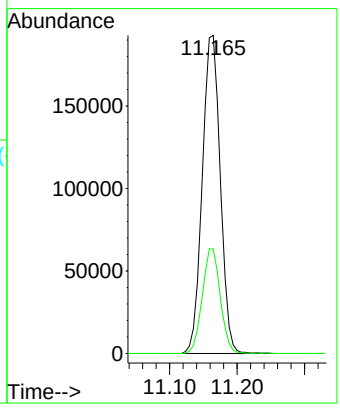




#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 76 Resp: 357131

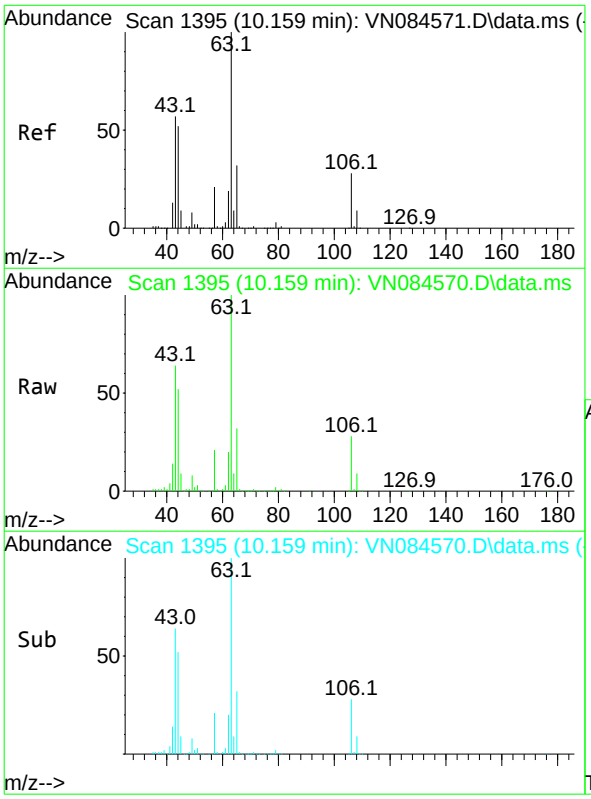
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

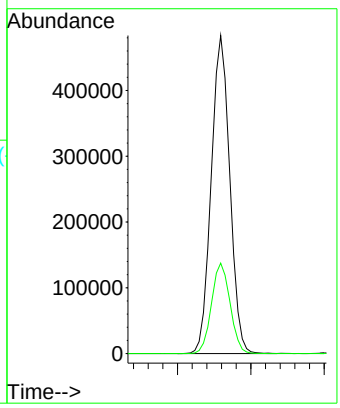
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

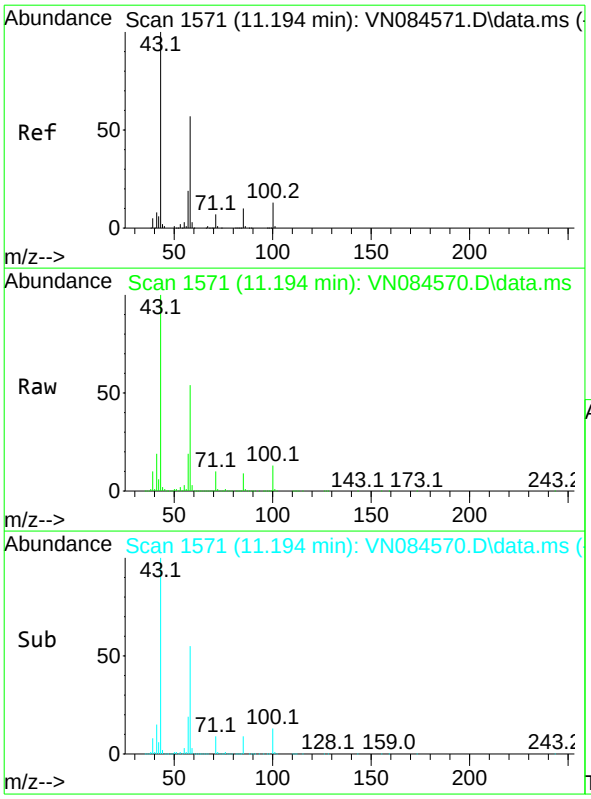


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

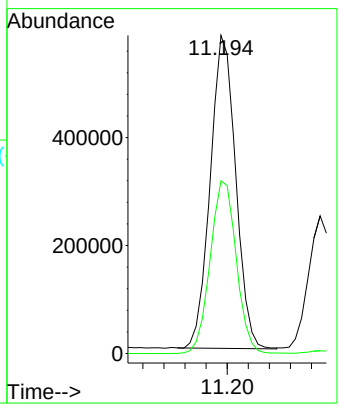




#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 971064

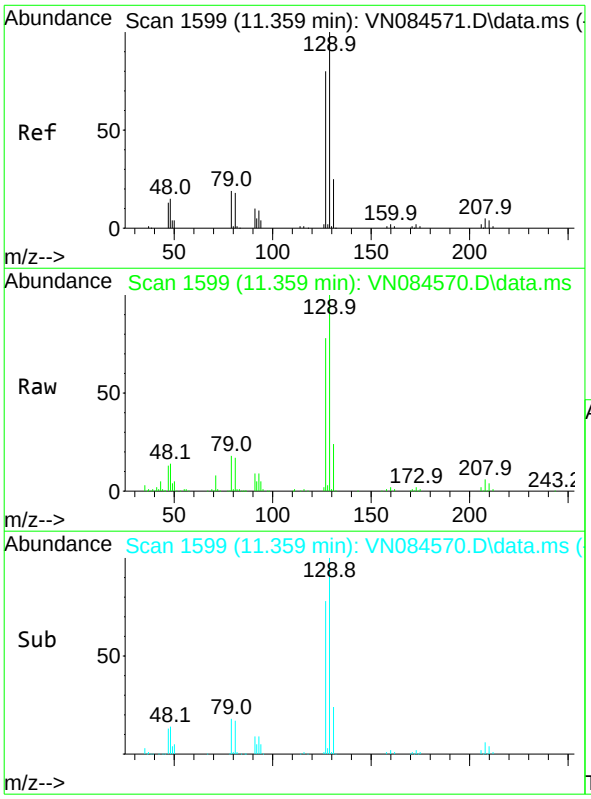
Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

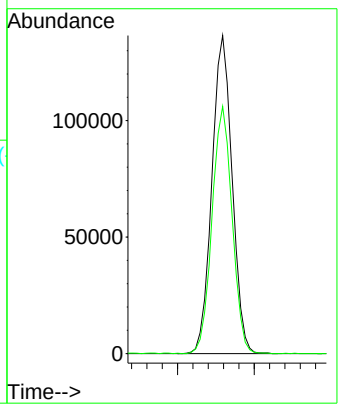
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

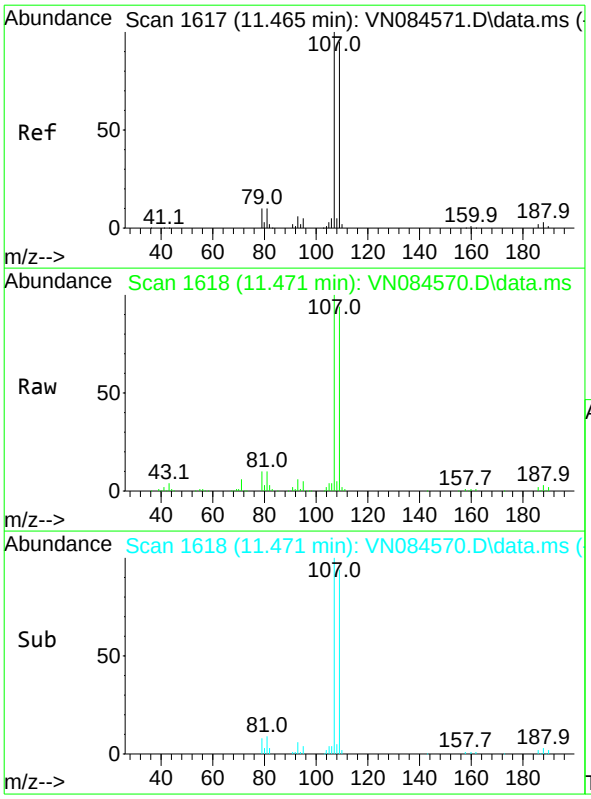


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9

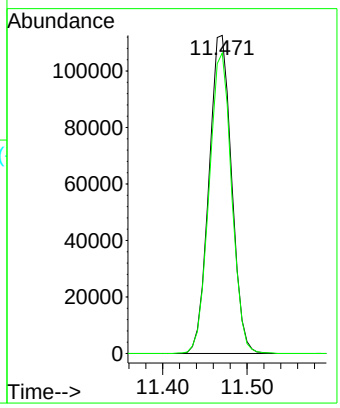




#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:107 Resp: 210043

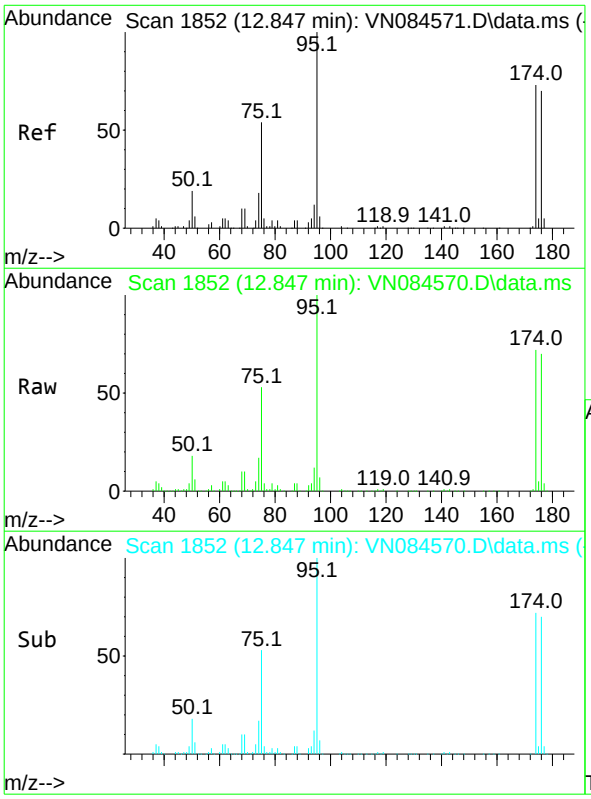
Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

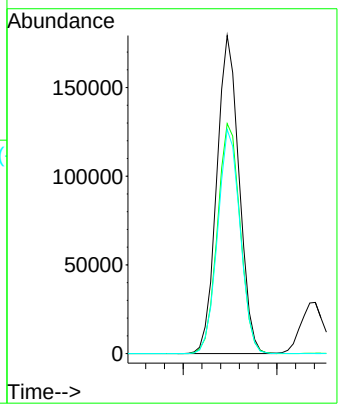
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

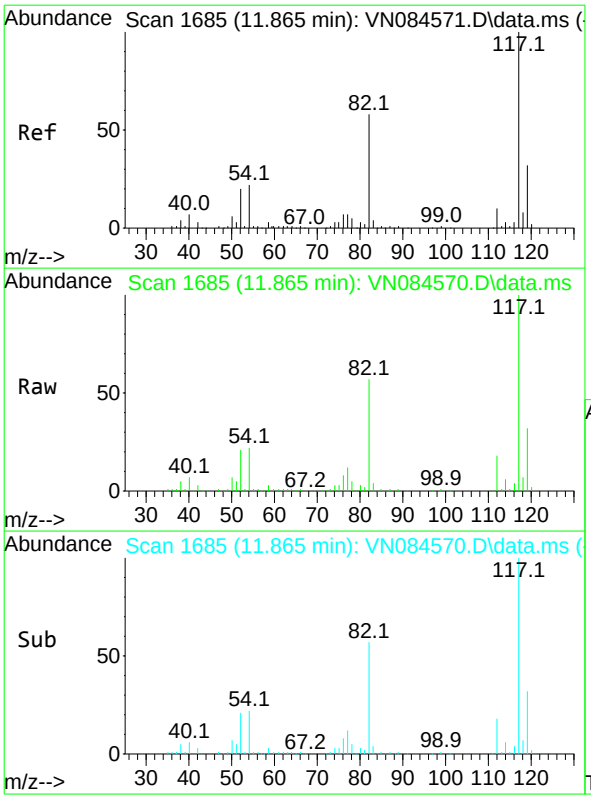


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

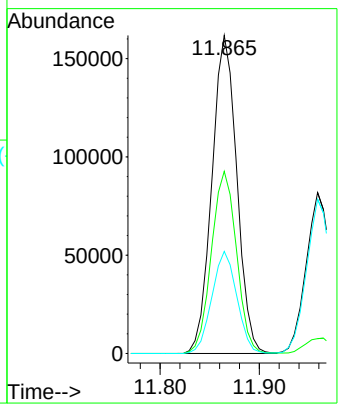




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 282514

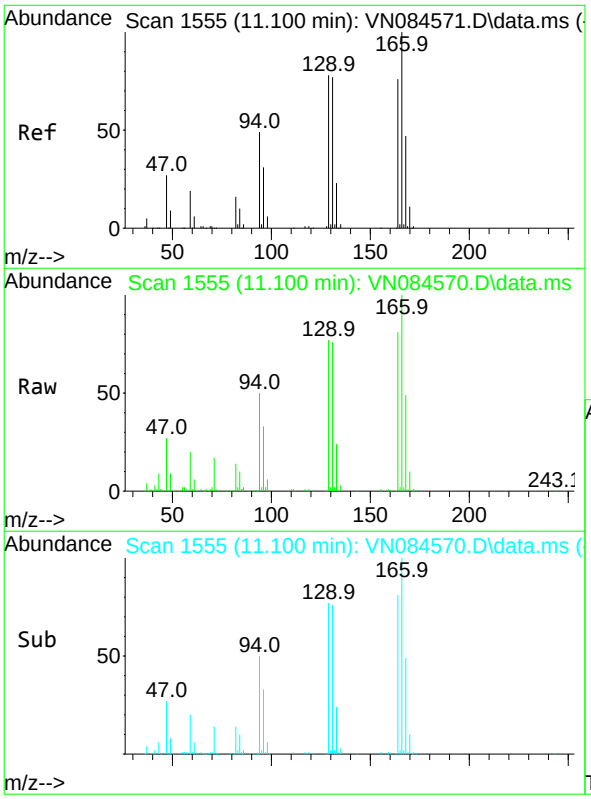
Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

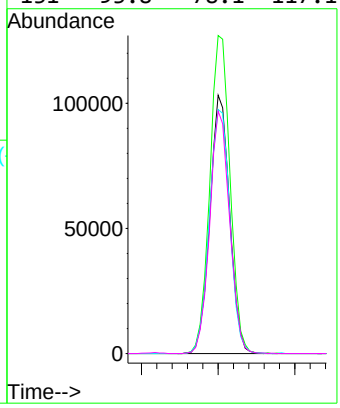
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

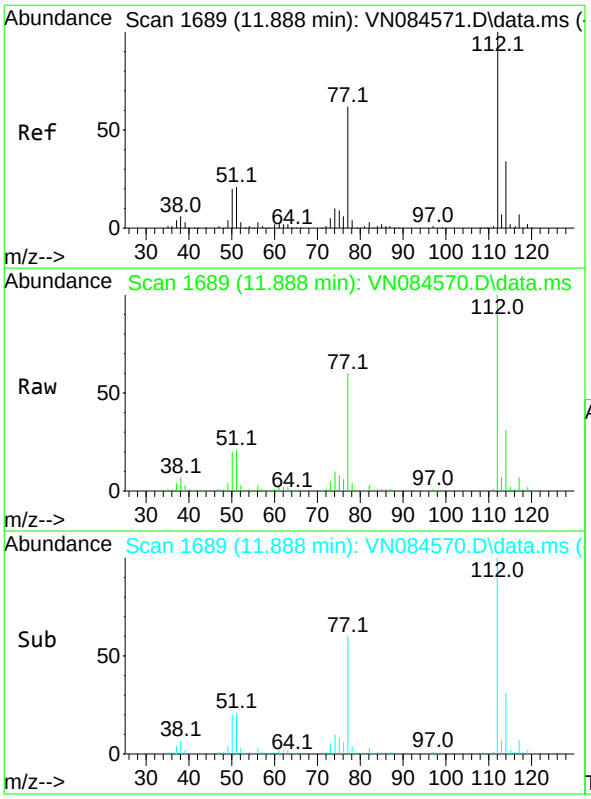


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

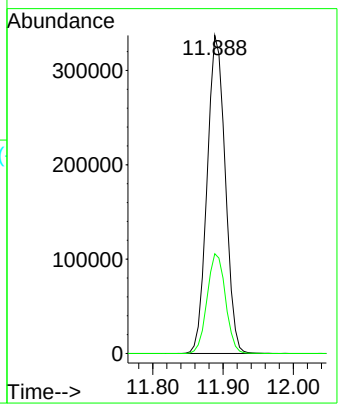




#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:112 Resp: 603595

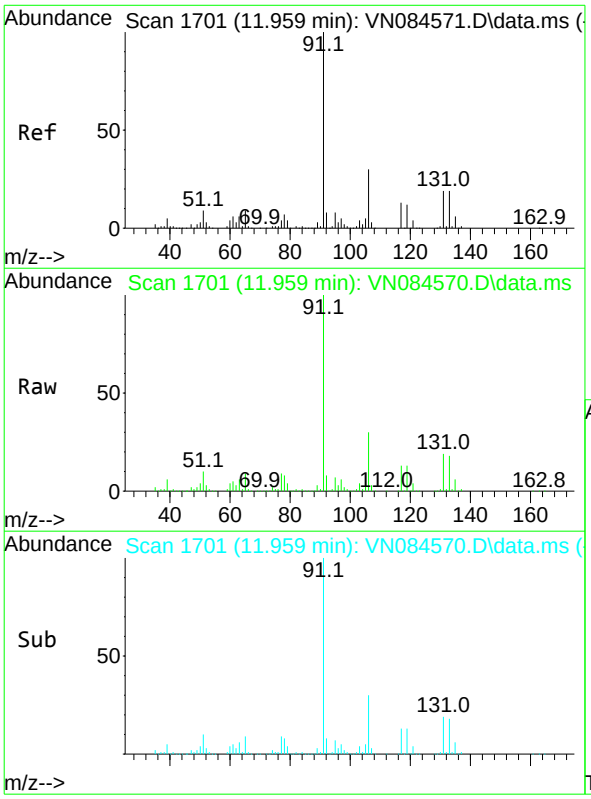
Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

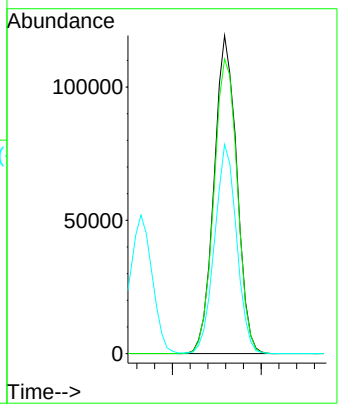
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

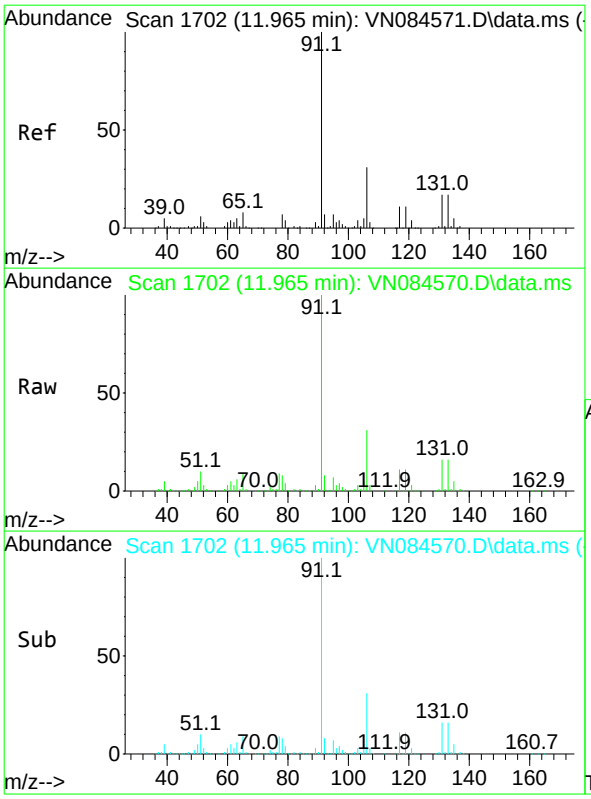


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

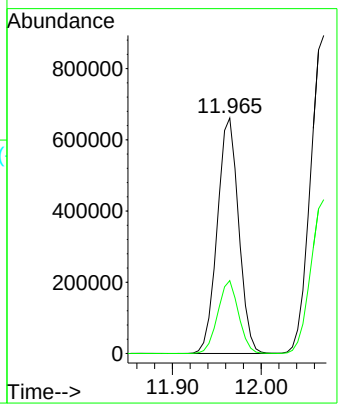




#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1106035

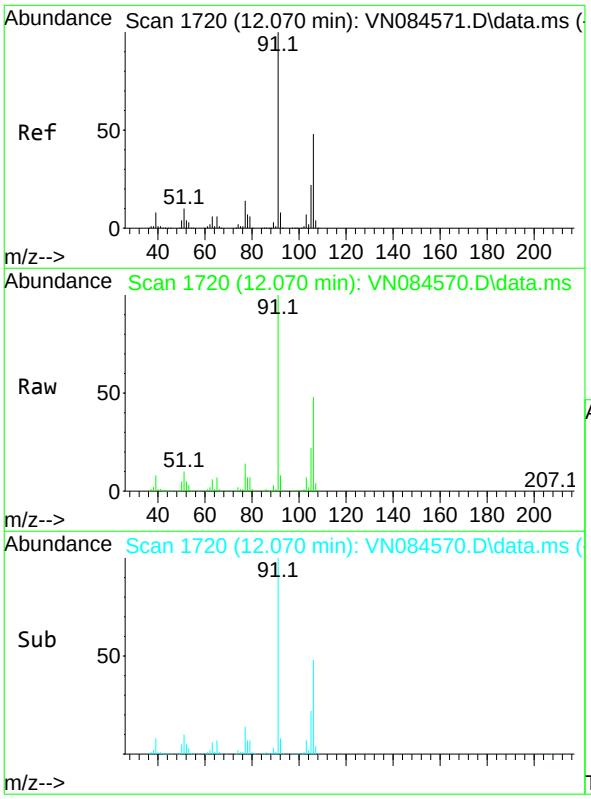
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

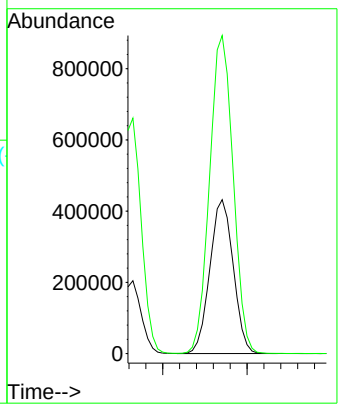
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

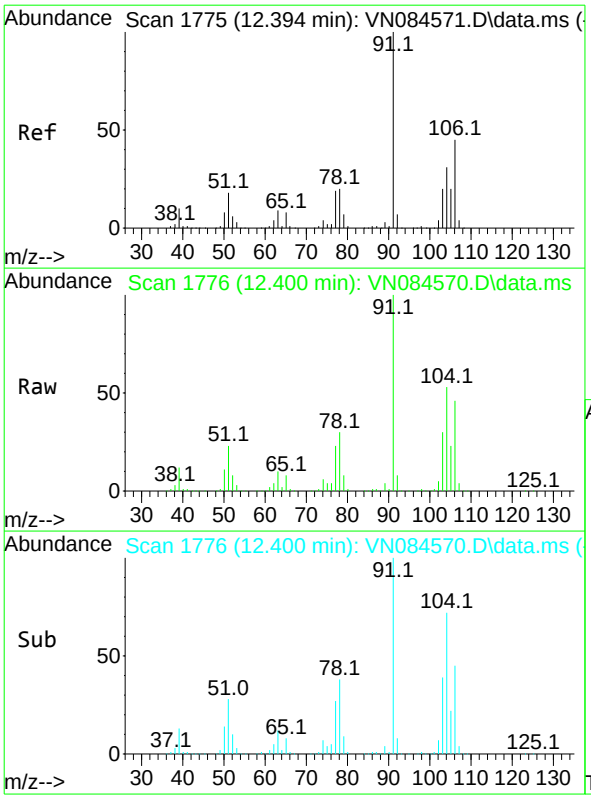


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7

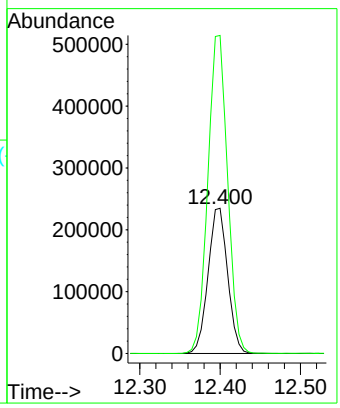




#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 397449

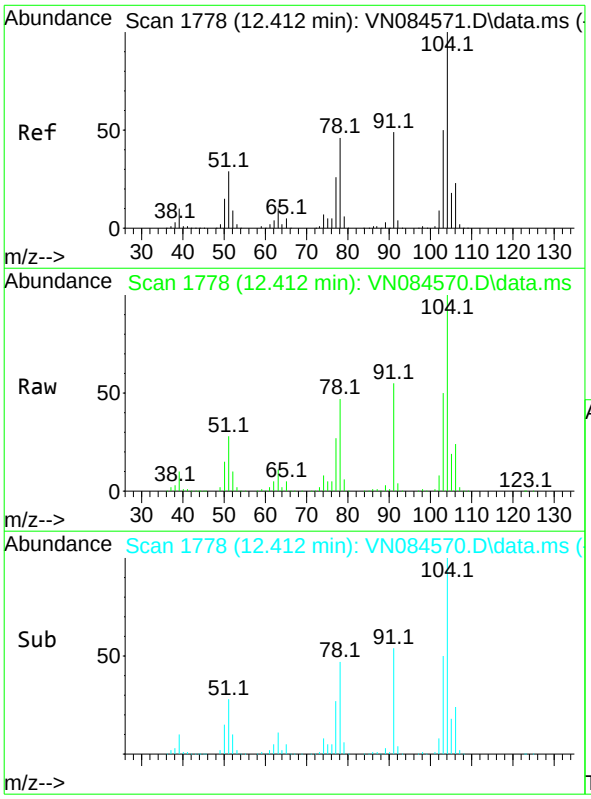
Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

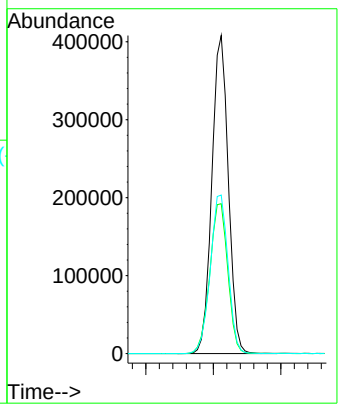
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

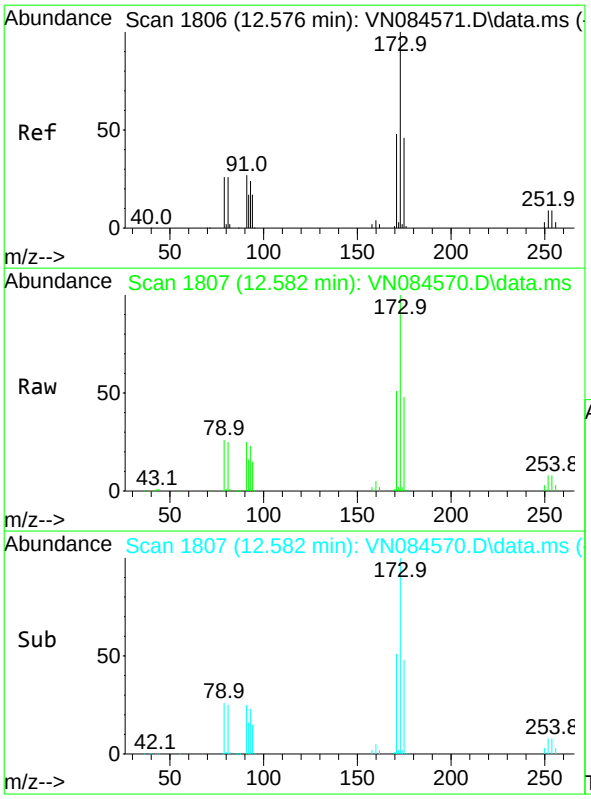


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

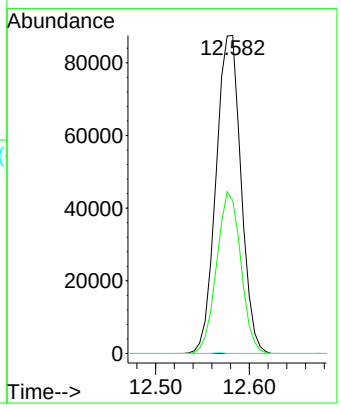




#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:173 Resp: 162189

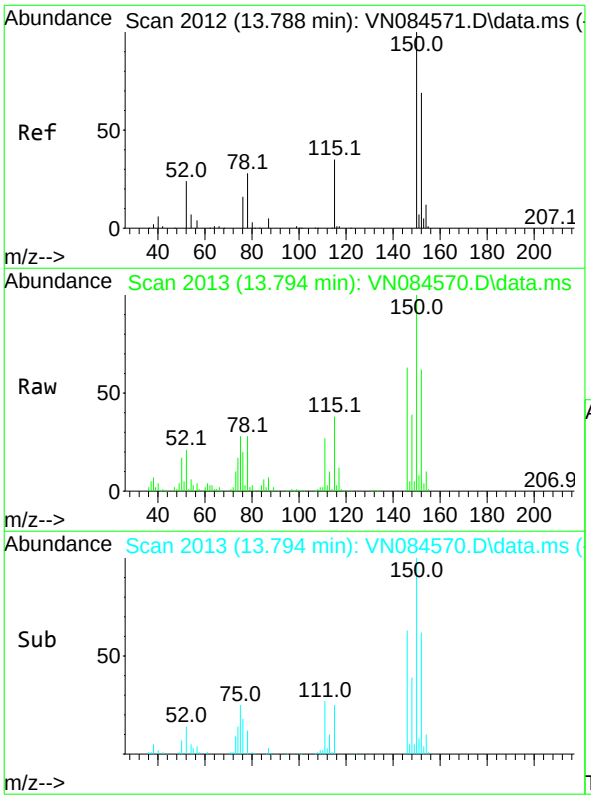
Ion	Ratio	Lower	Upper
173	100		
175	49.3	23.5	70.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

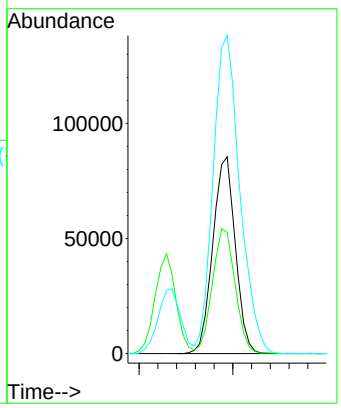
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

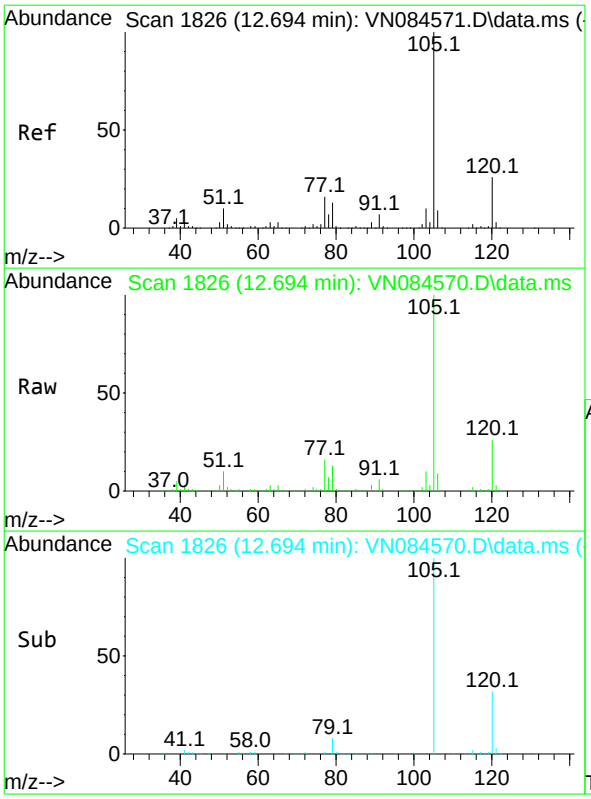


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

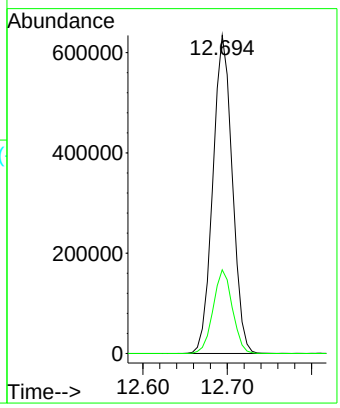




#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1015352

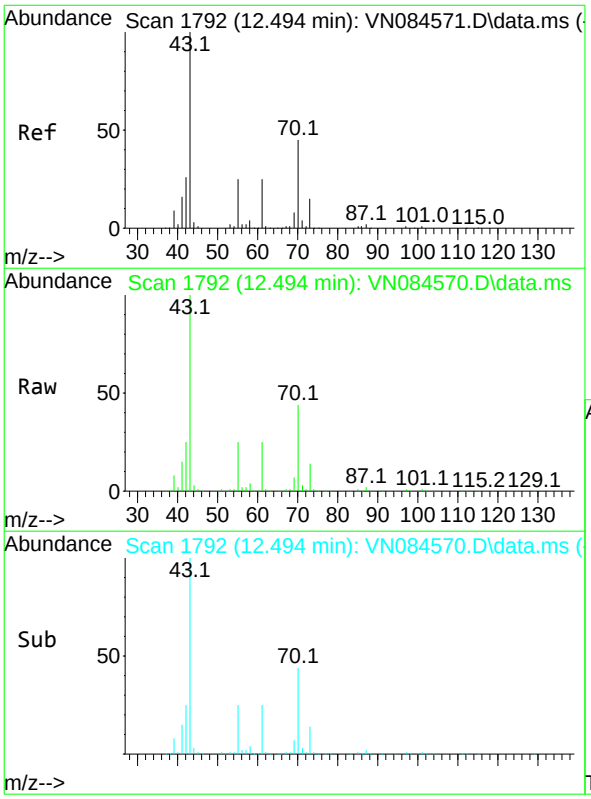
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

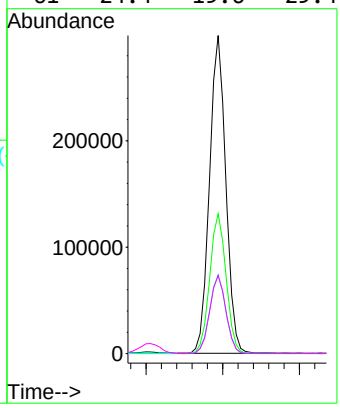
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

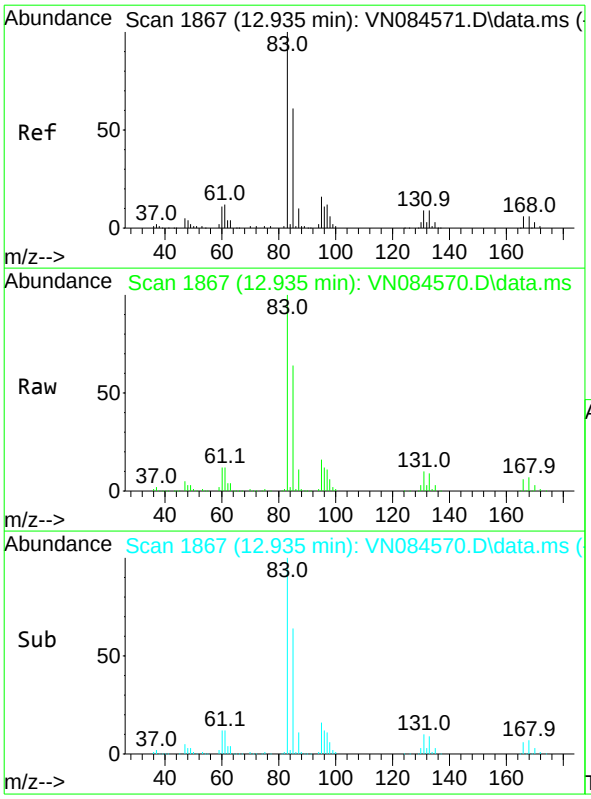


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

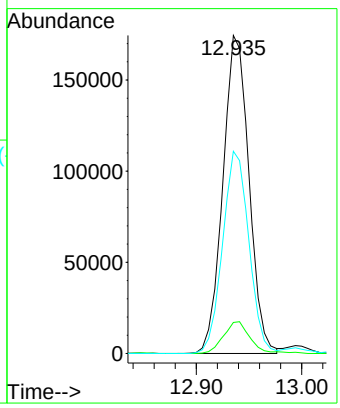




#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 300162

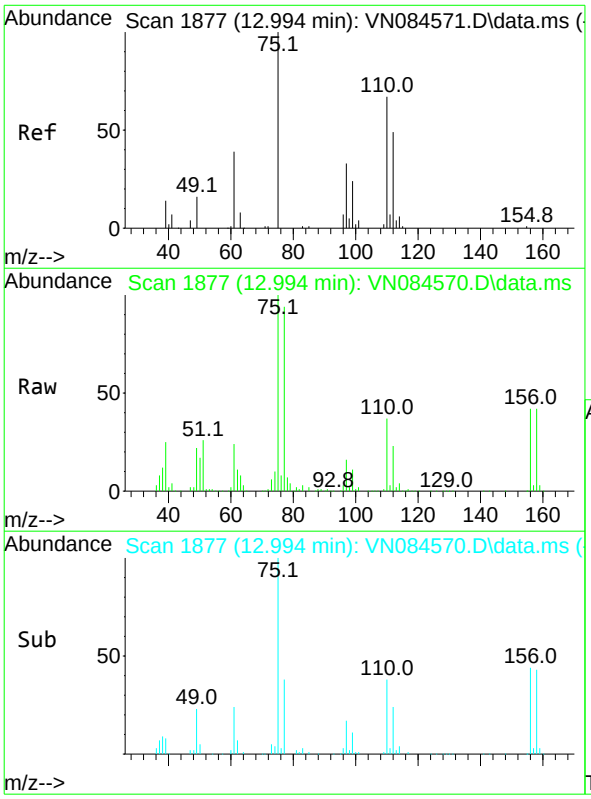
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

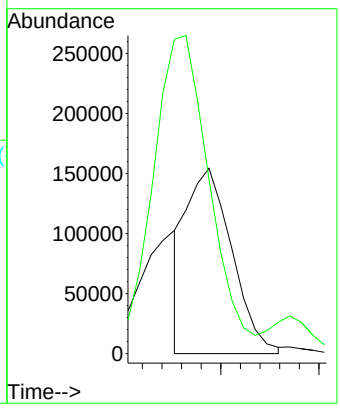
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

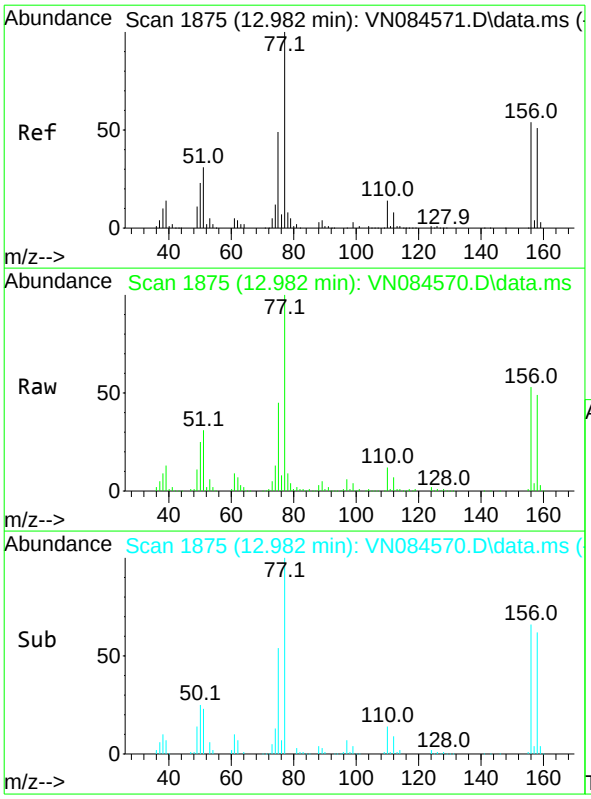


#76
1,2,3-Trichloropropane
Concen: 88.446 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 249062

Ion	Ratio	Lower	Upper
75	100		
77	214.0	96.9	290.7

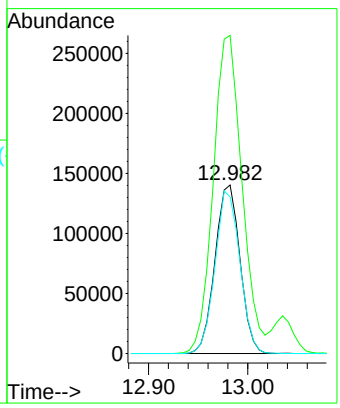




#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:156 Resp: 245558

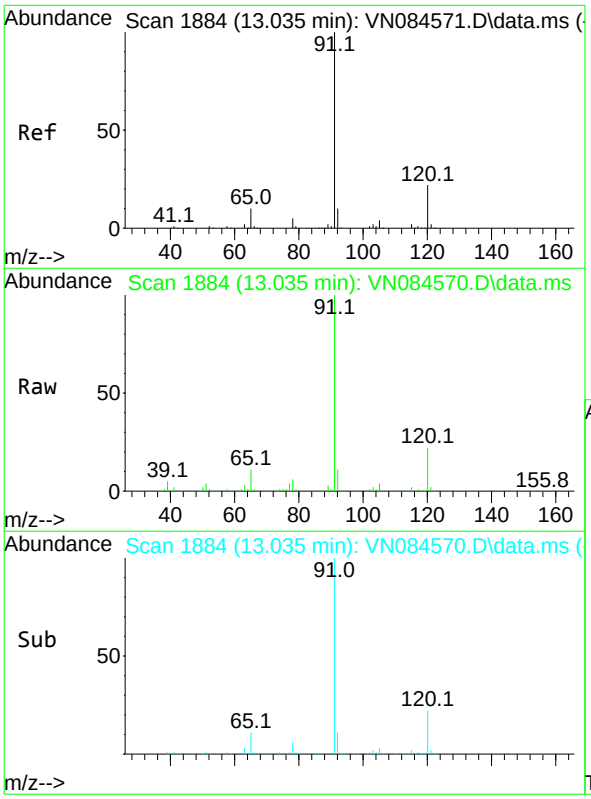
Ion	Ratio	Lower	Upper
156	100		
77	217.0	115.1	345.3
158	96.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

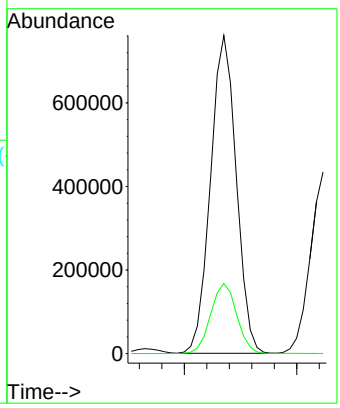
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

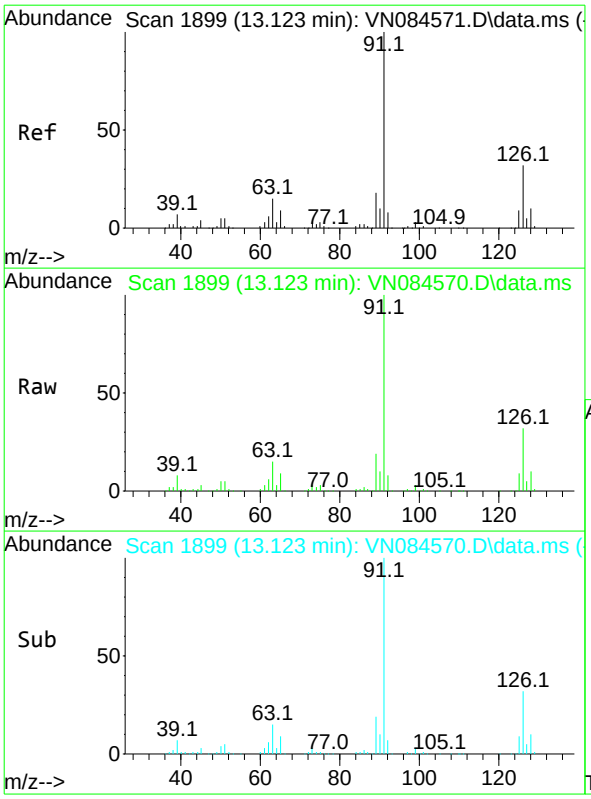


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

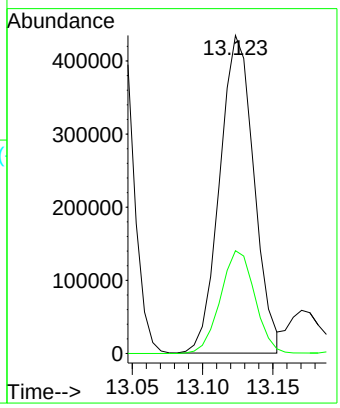




#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 736738

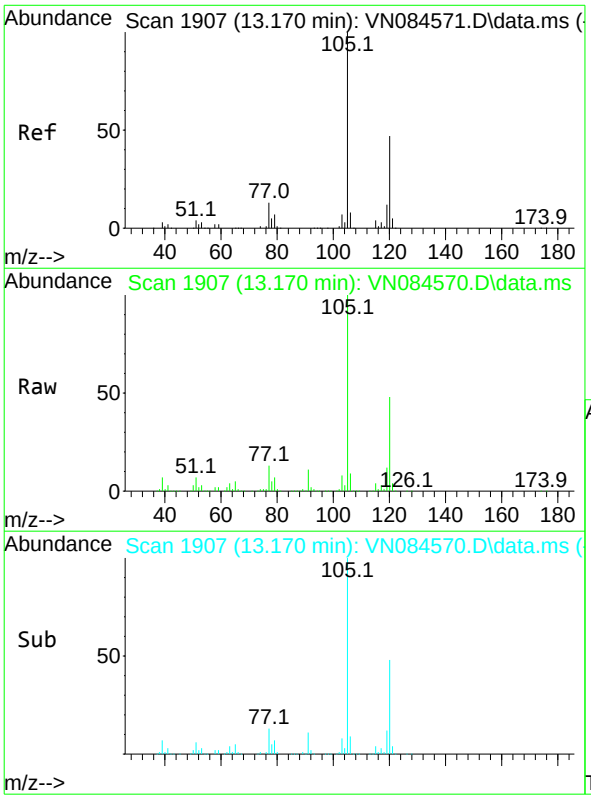
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

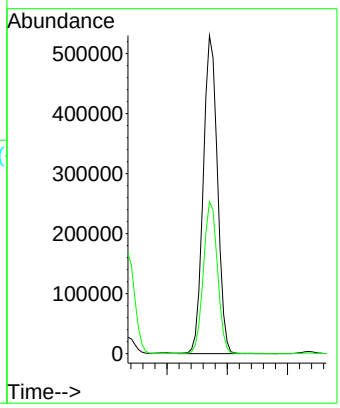
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

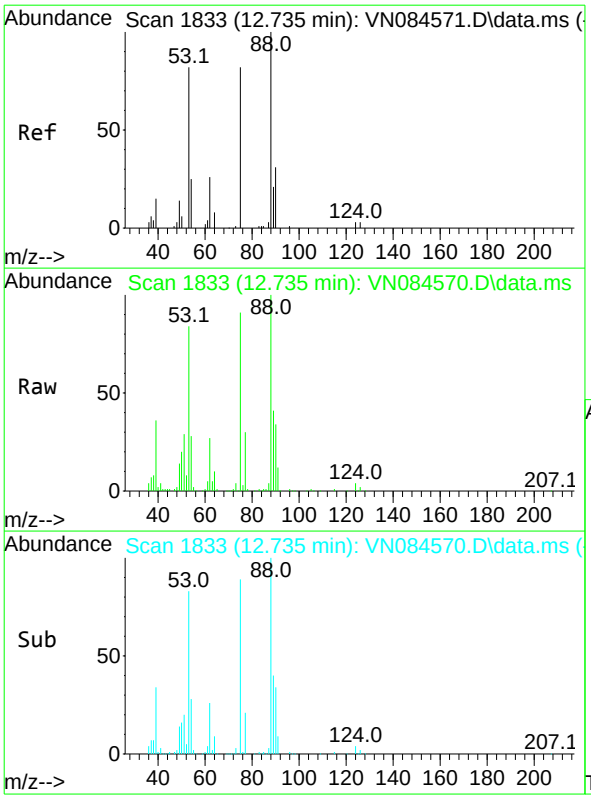


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

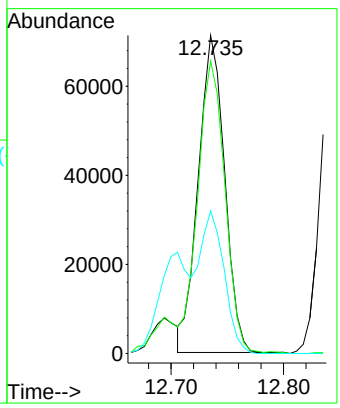




#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 115847

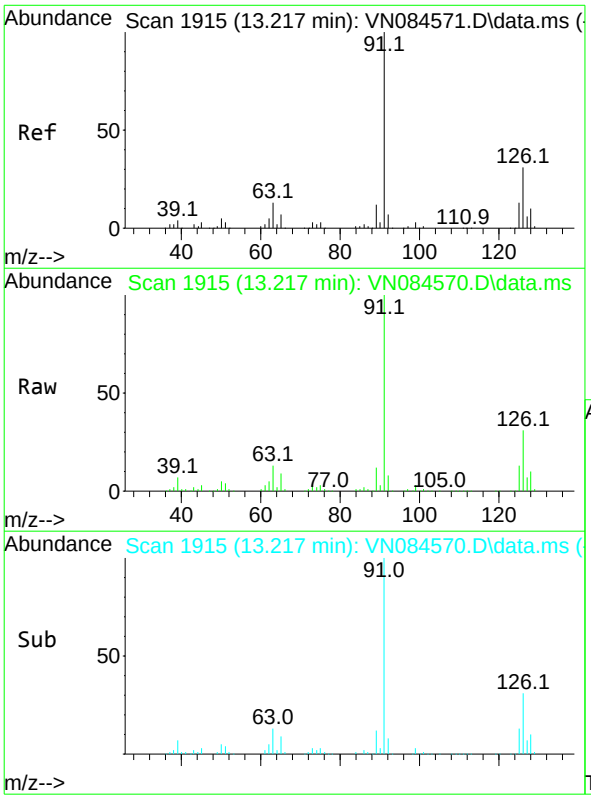
Ion	Ratio	Lower	Upper
75	100		
53	95.8	78.0	117.0
89	42.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

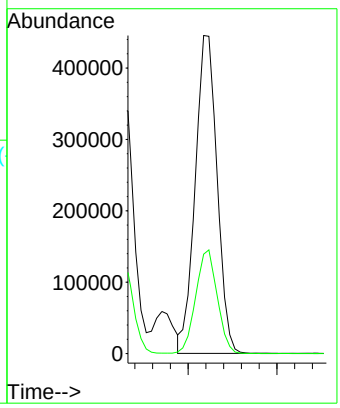
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

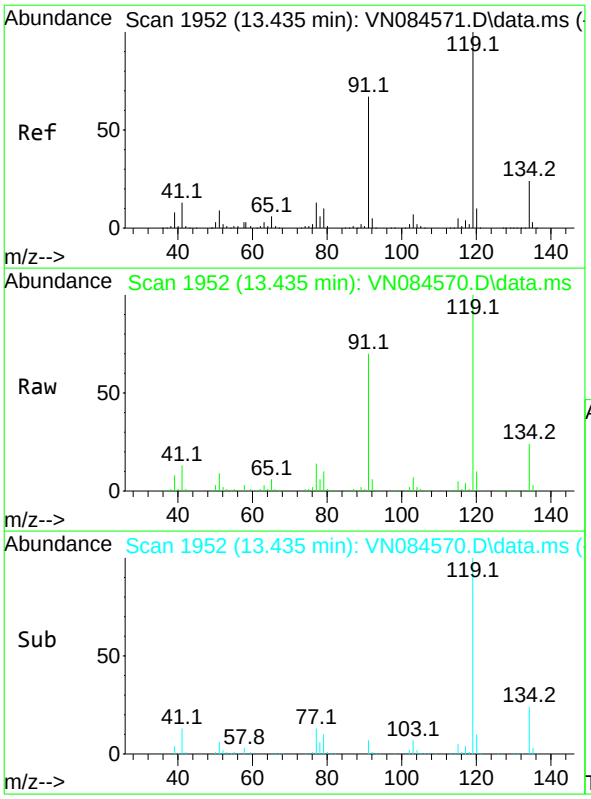


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

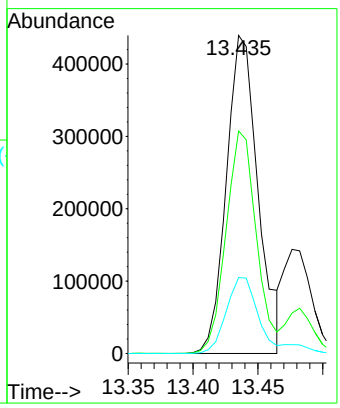




#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:119 Resp: 746926

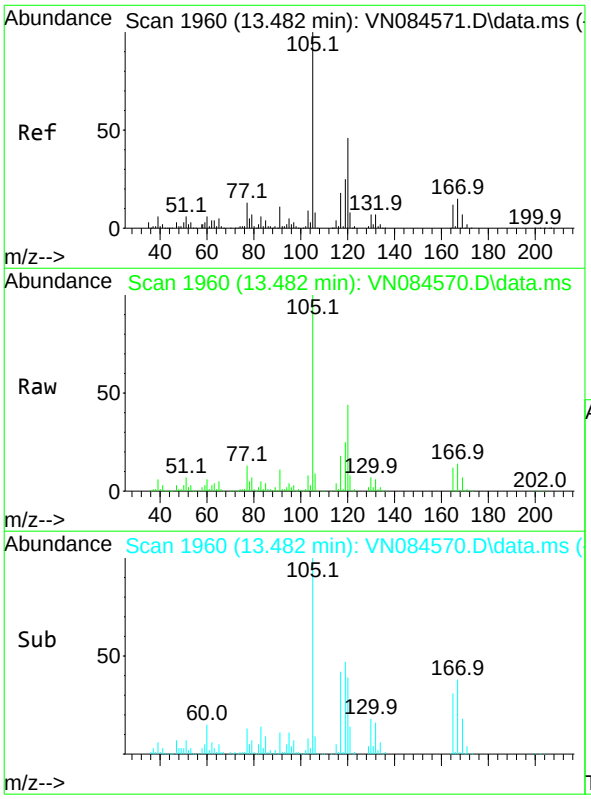
Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.1	102.3
134	25.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

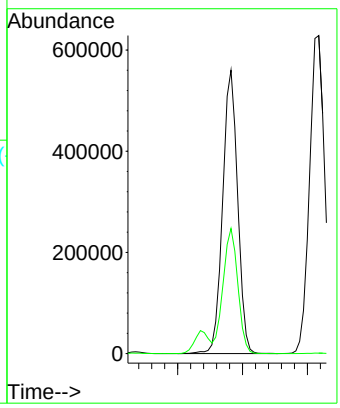
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

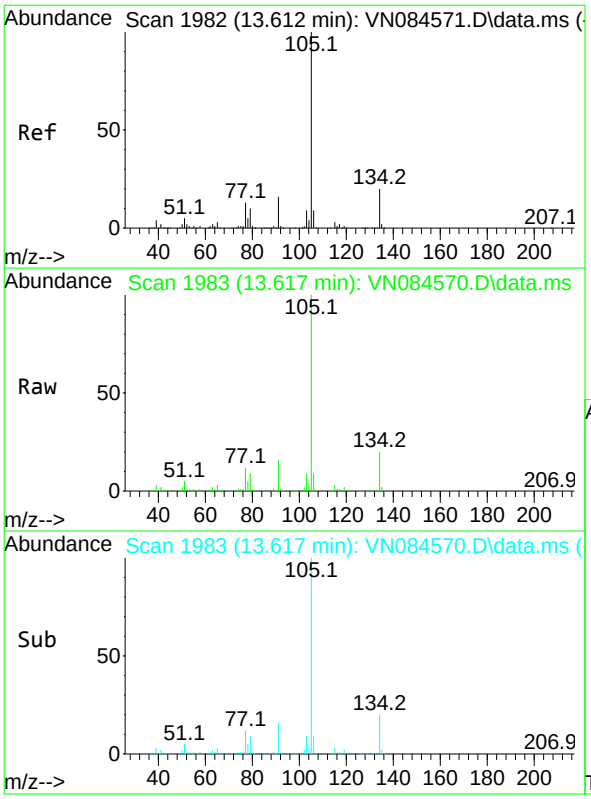


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

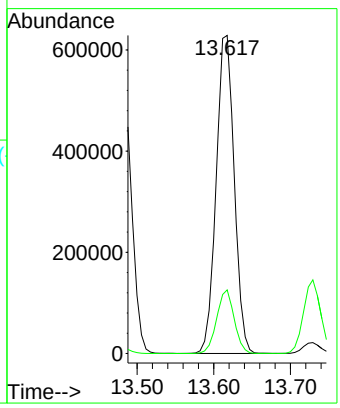




#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 1027413

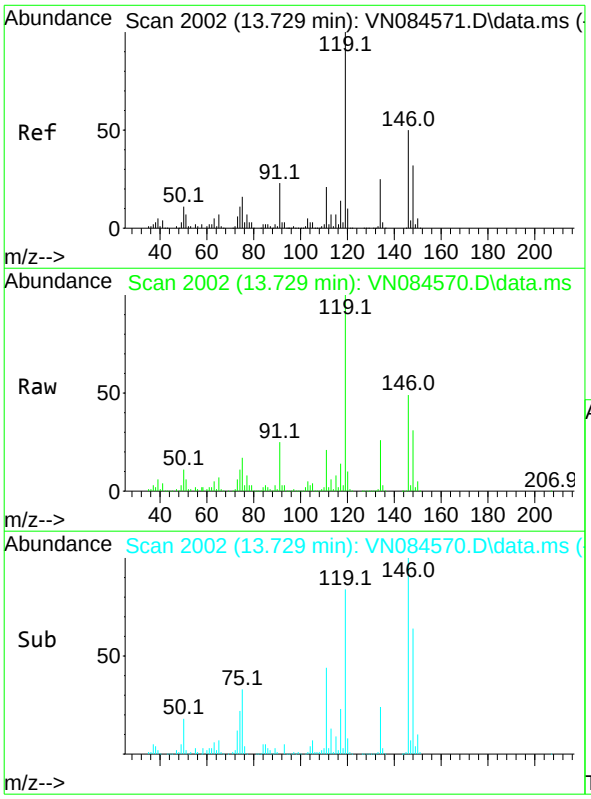
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

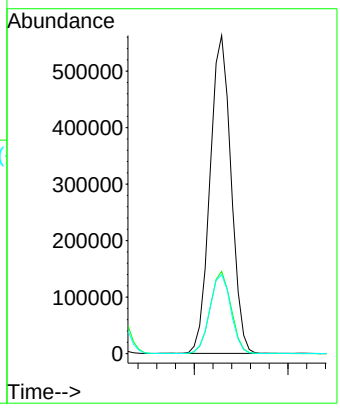
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

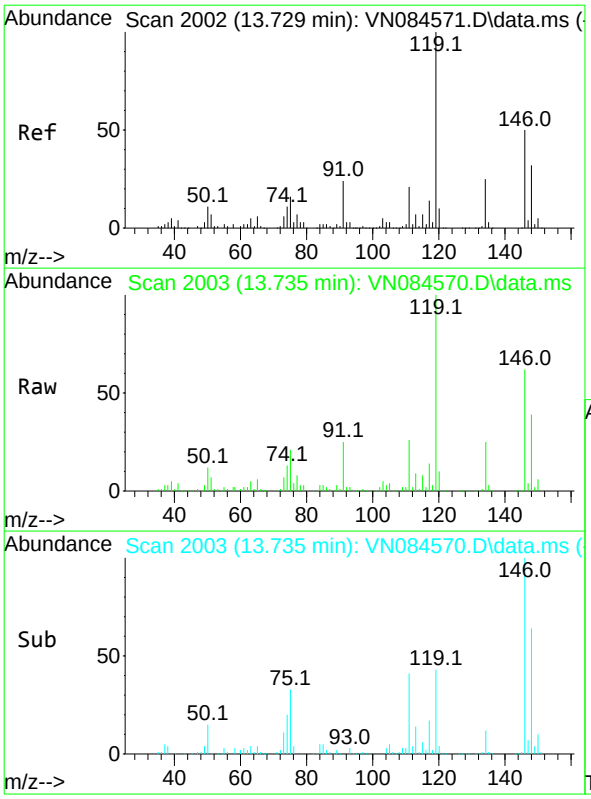


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

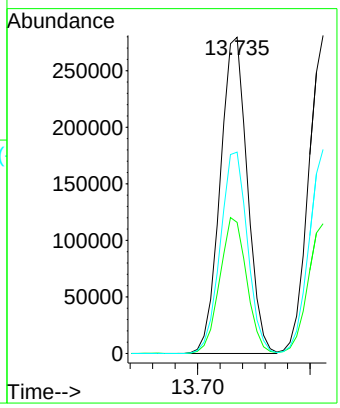




#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 468620

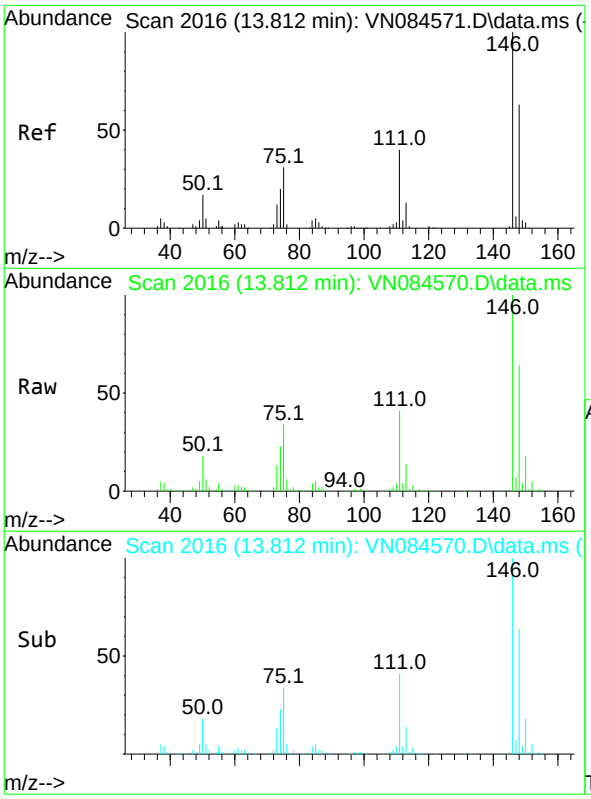
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

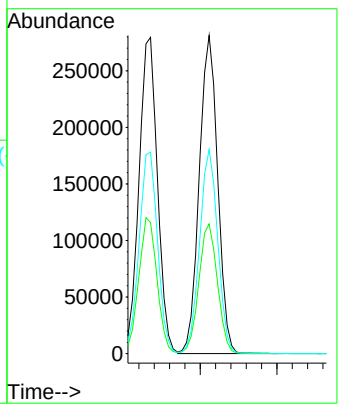
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

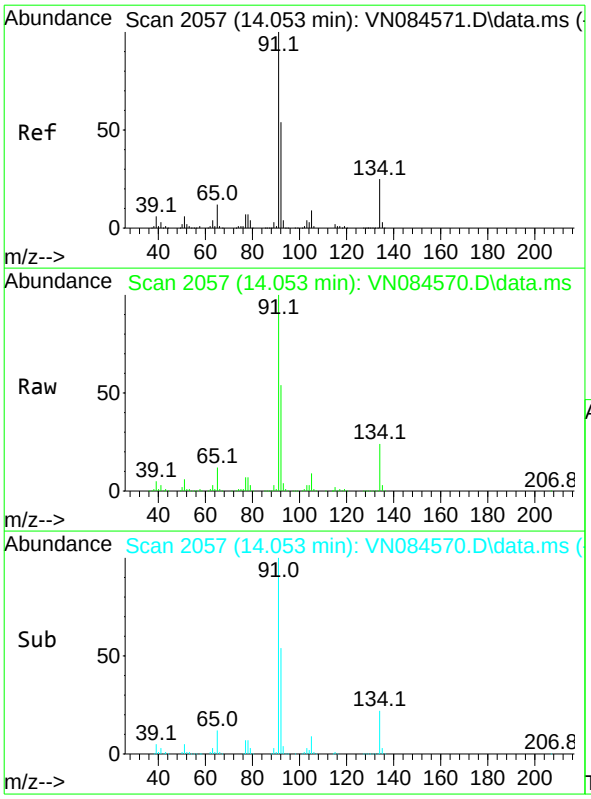


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

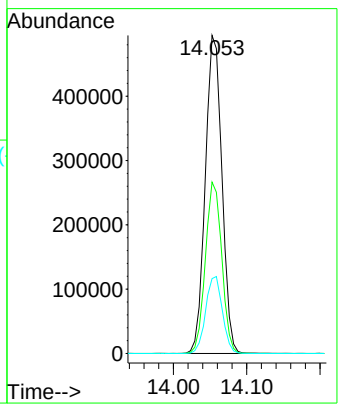




#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 778487

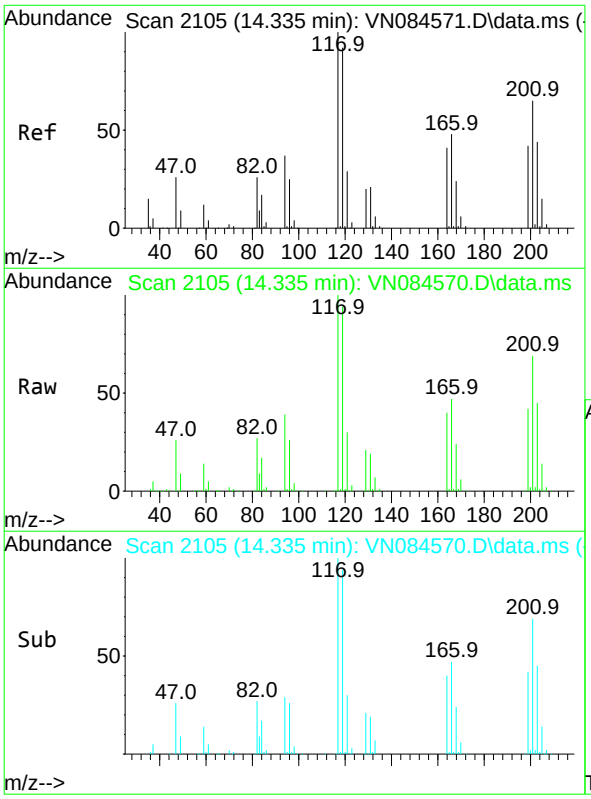
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.3	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

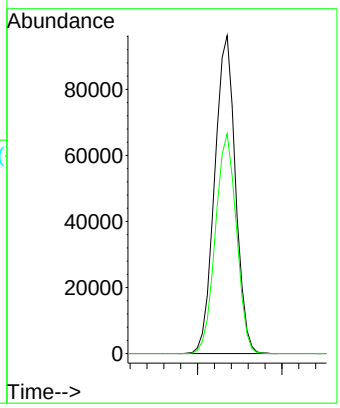
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

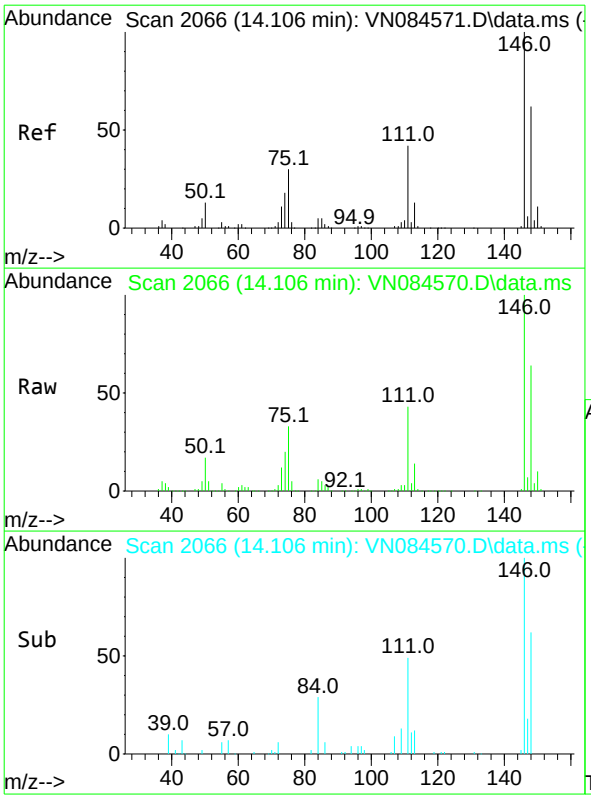


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2

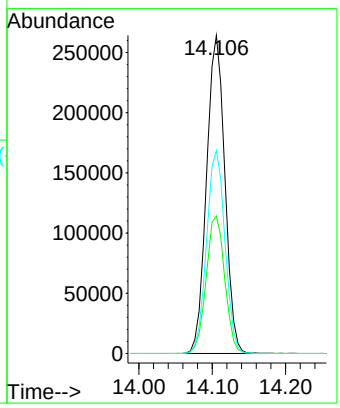




#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:146 Resp: 456925

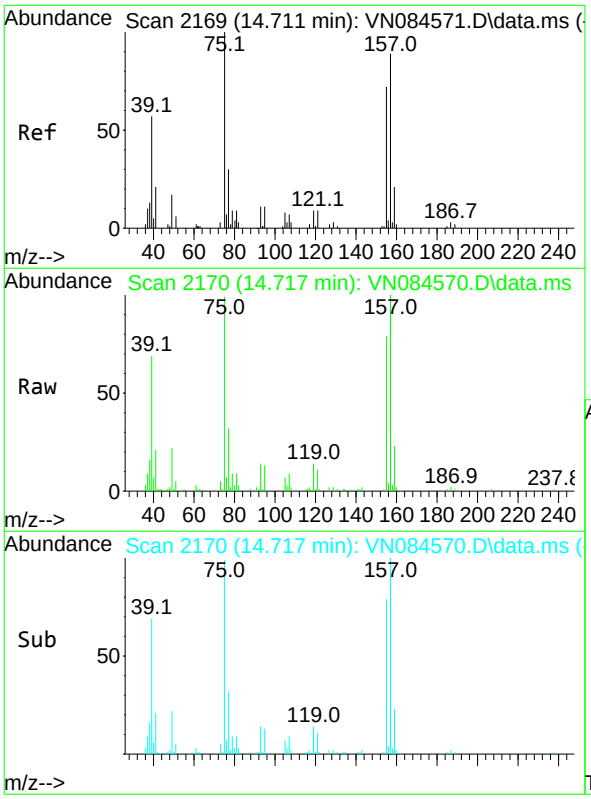
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

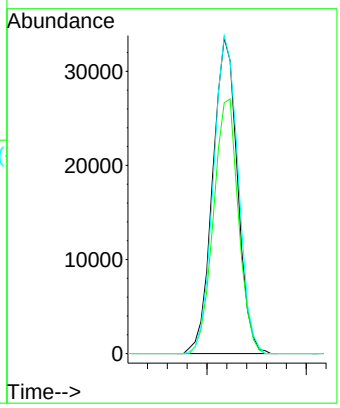
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

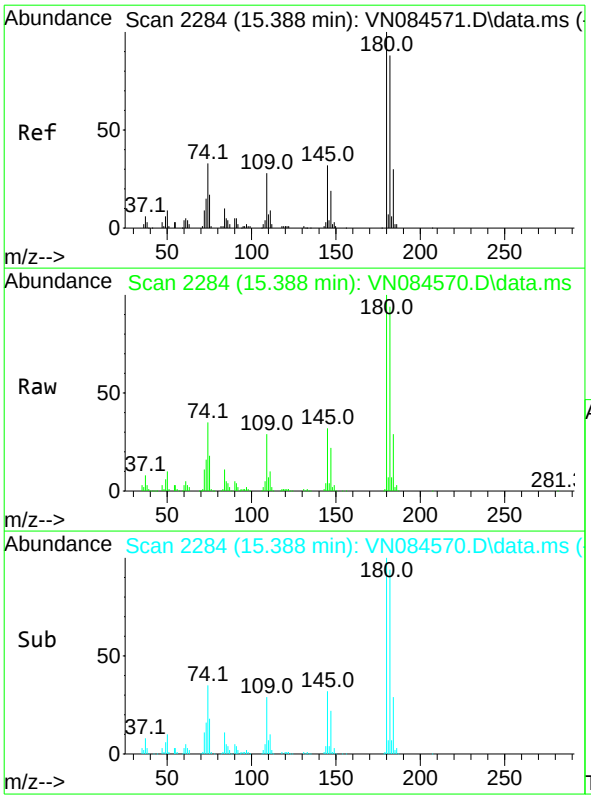


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

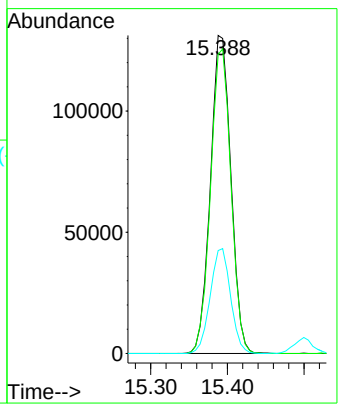




#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:180 Resp: 243087

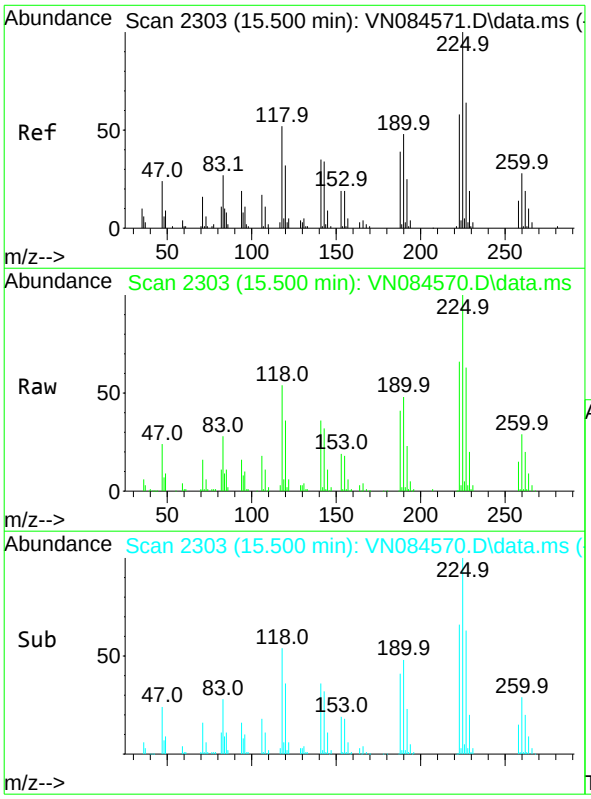
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.0
145	32.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

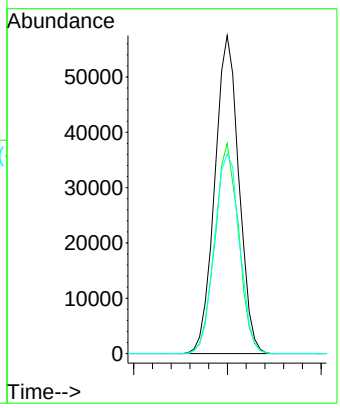
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

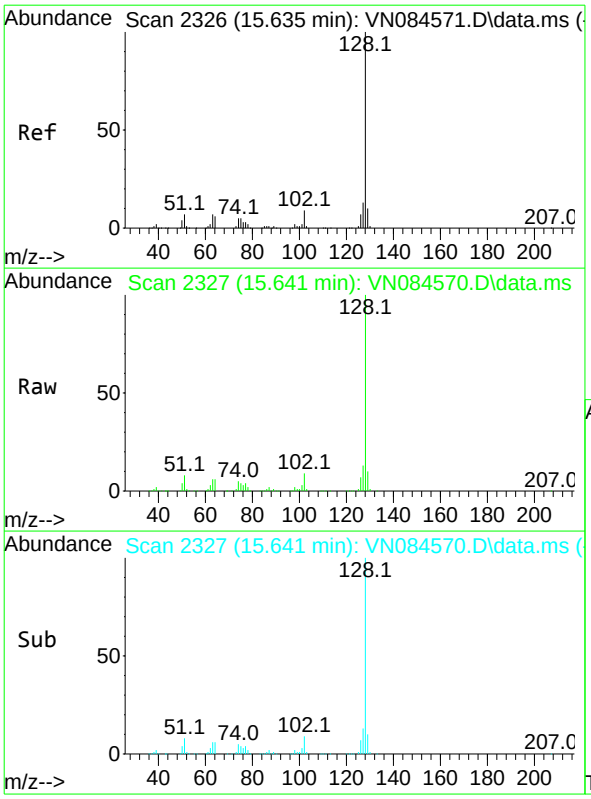


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

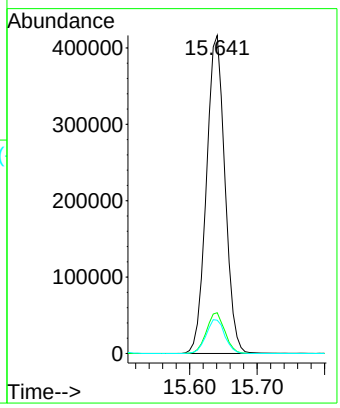




#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:128 Resp: 792903

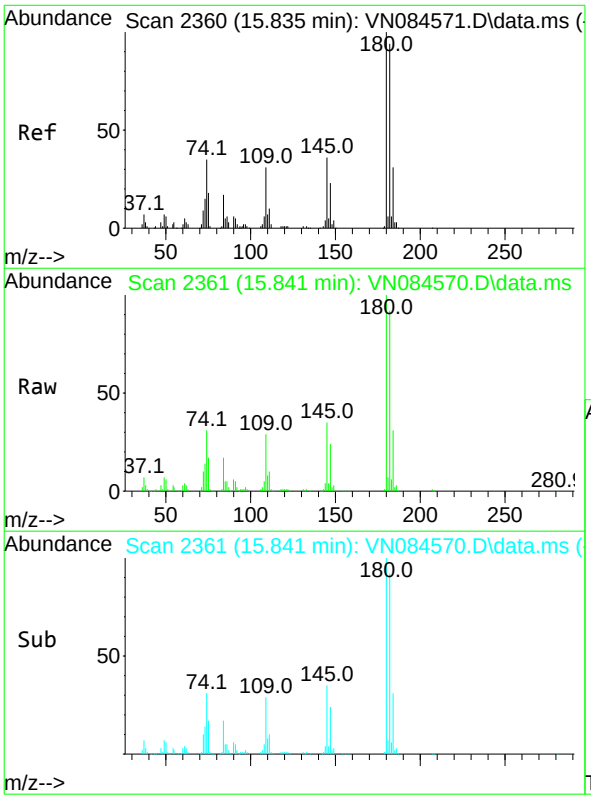
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

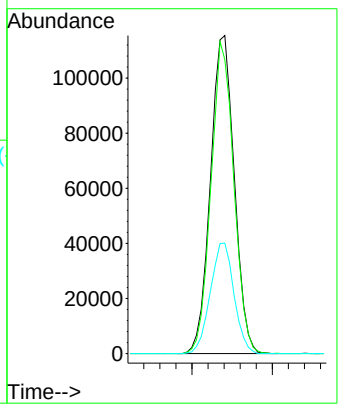
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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



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)
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

ICAL Form

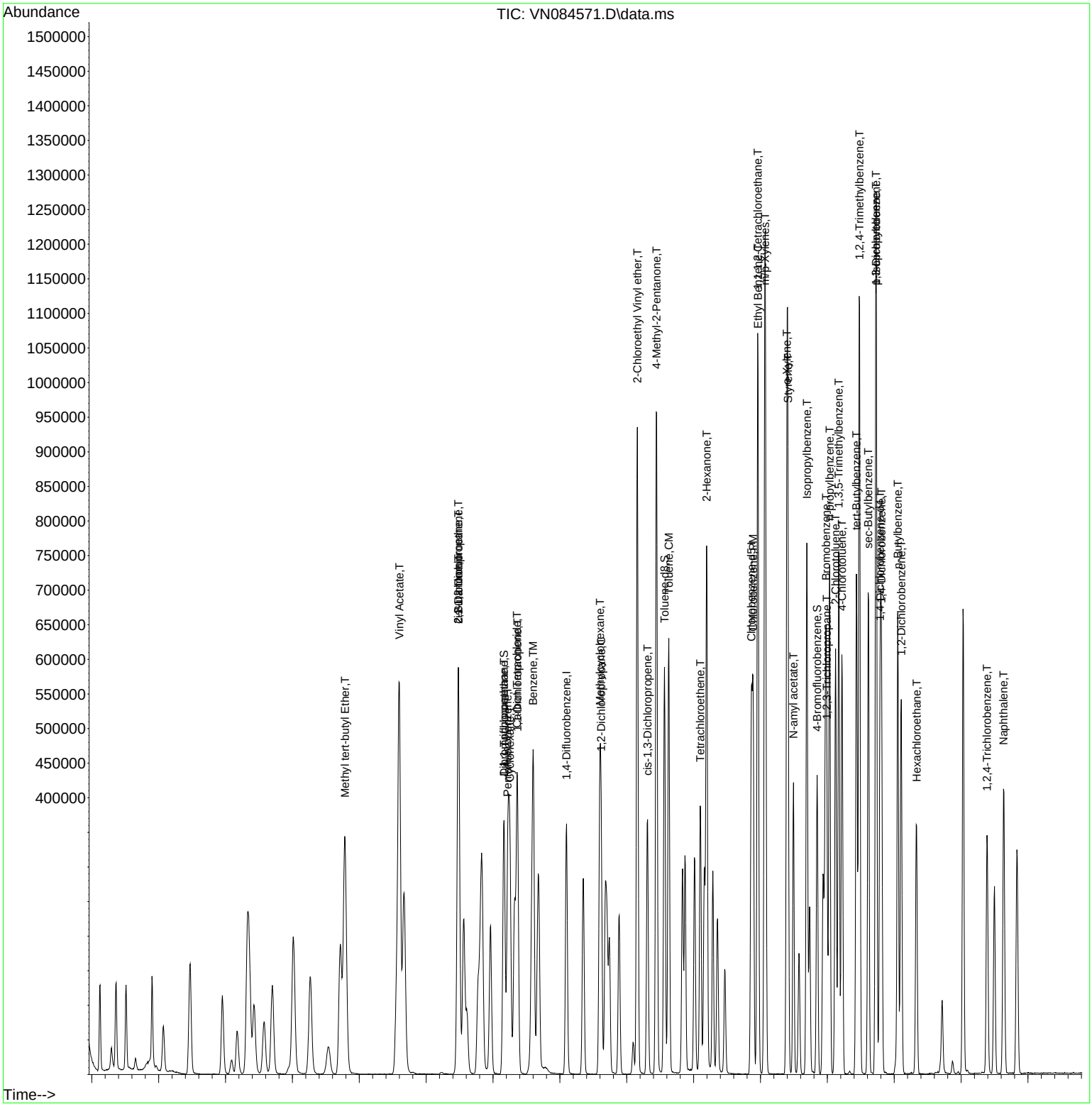
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

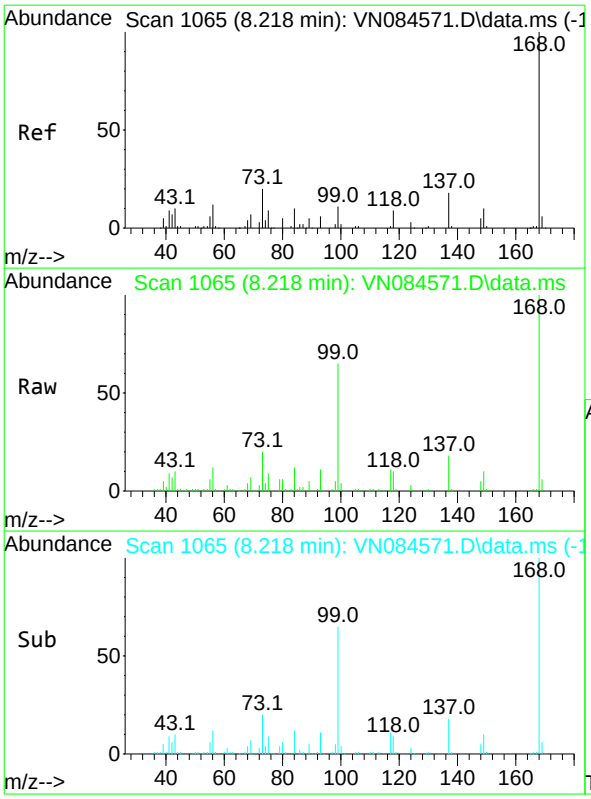
Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

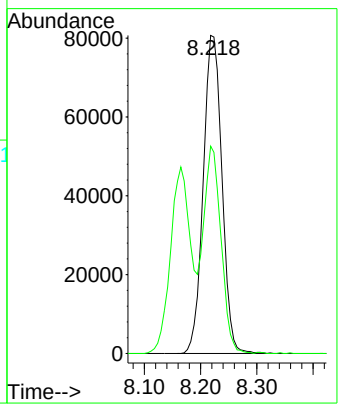




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:168 Resp: 186594

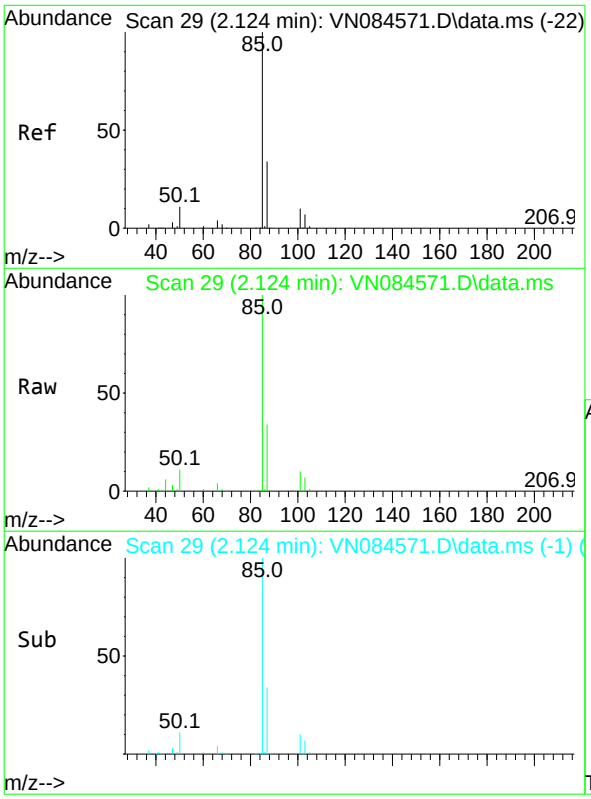
Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

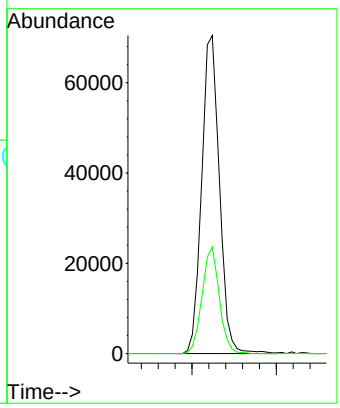
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

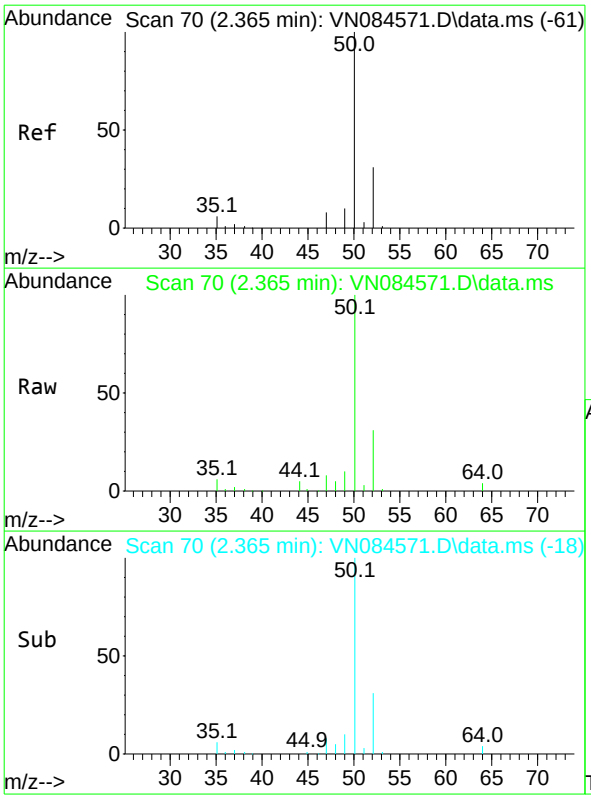


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9

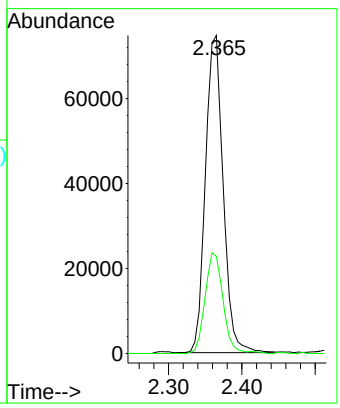




#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 50 Resp: 125344

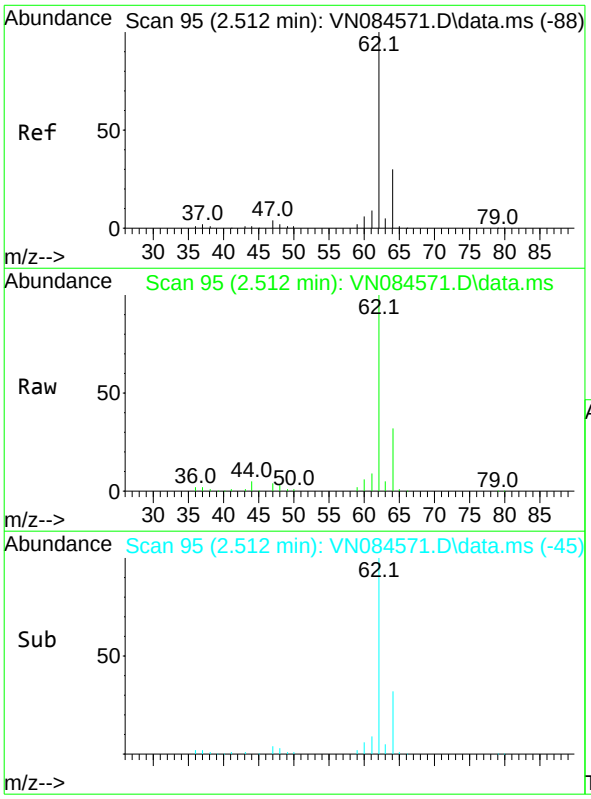
Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

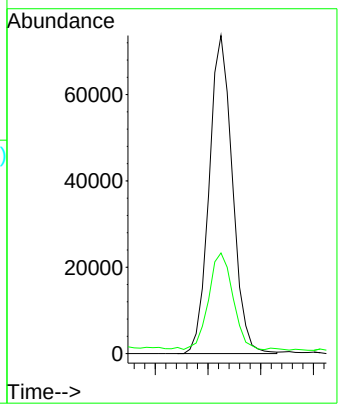
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

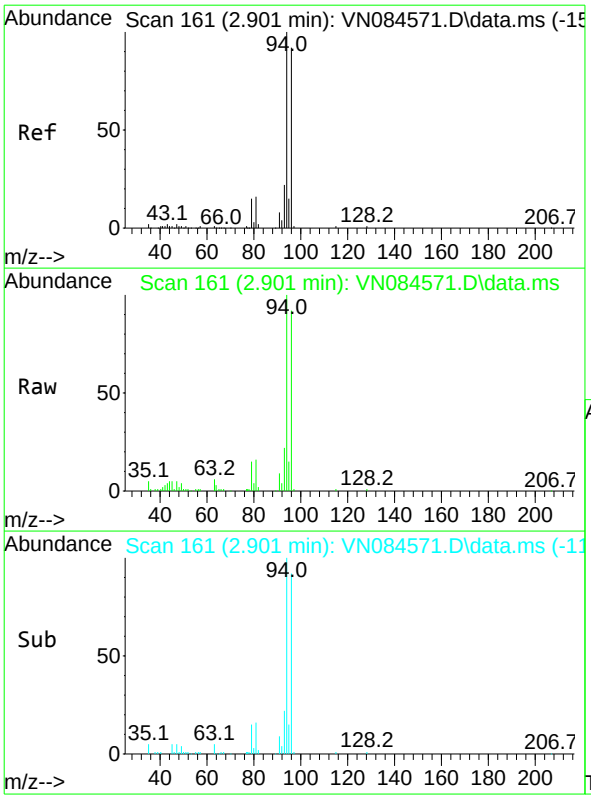


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4

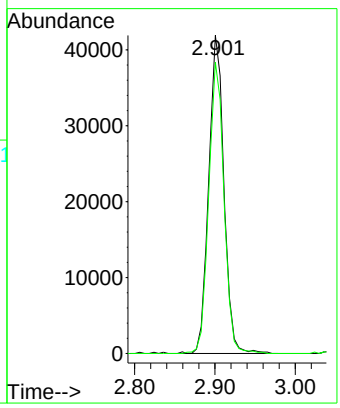




#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 94 Resp: 55194

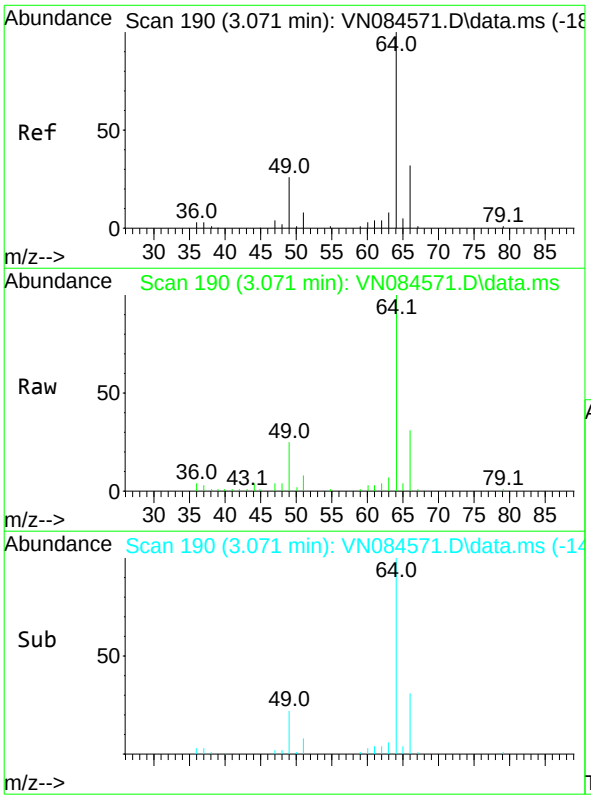
Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

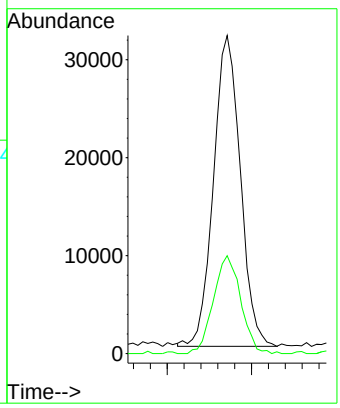
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

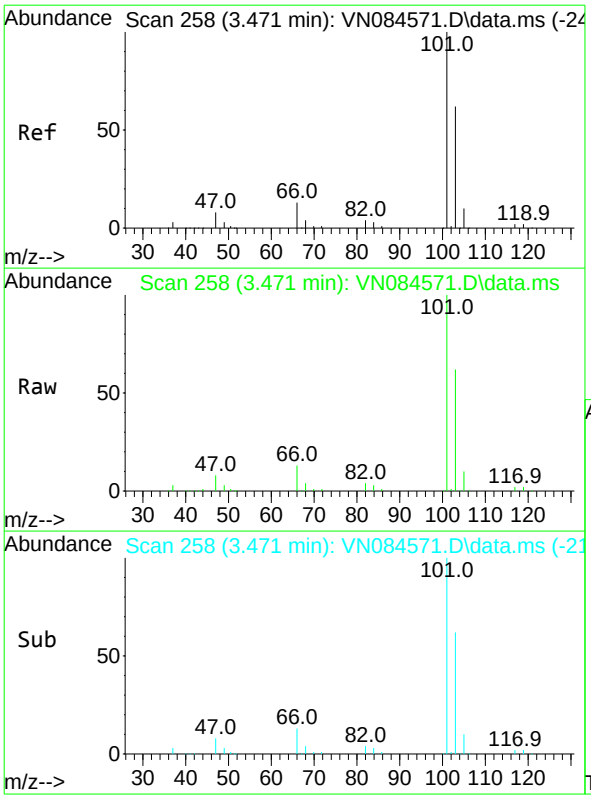


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3

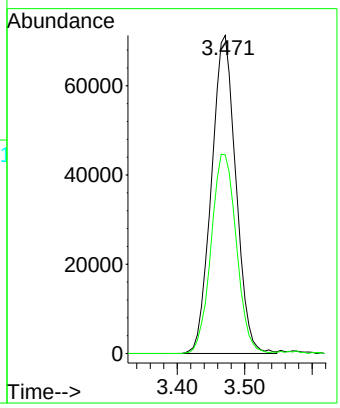




#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 178947

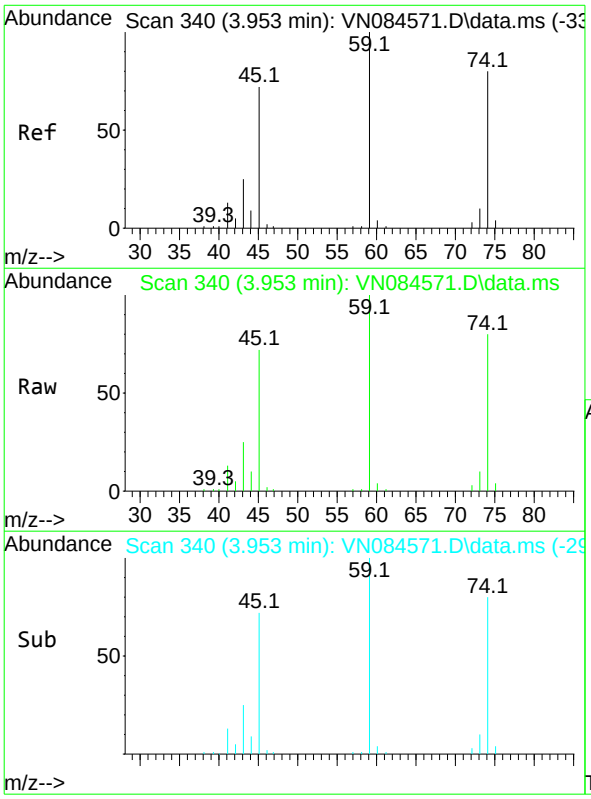
Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

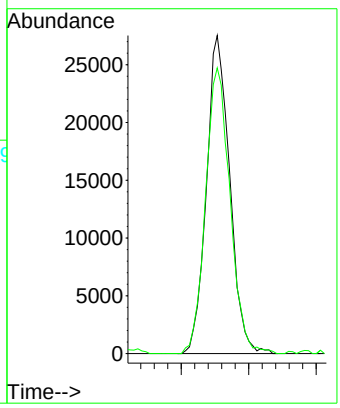
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

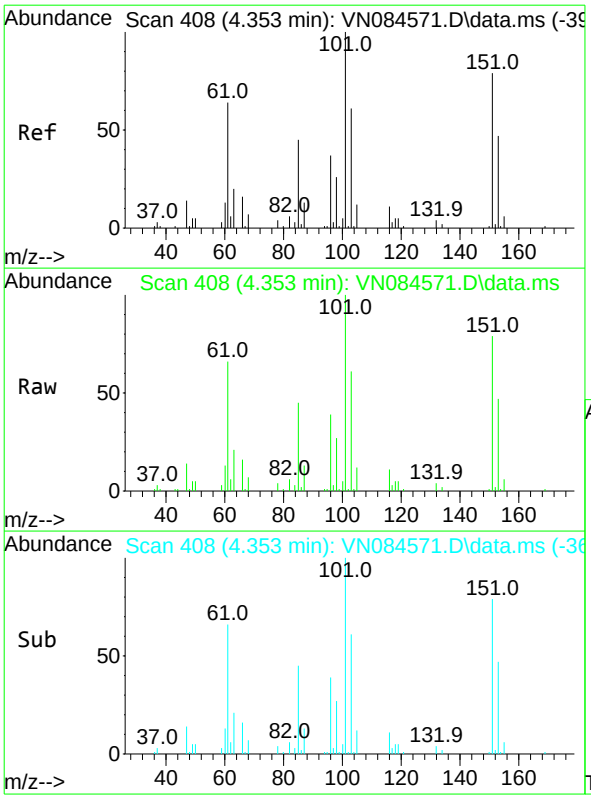


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1

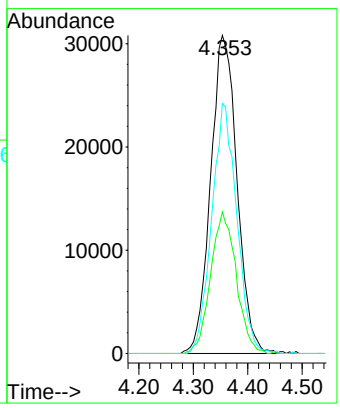




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:101 Resp: 103864

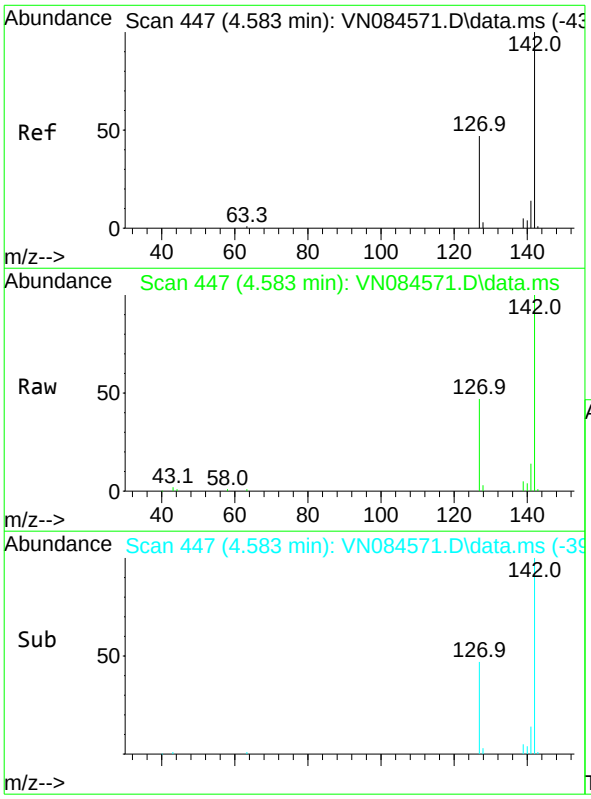
Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

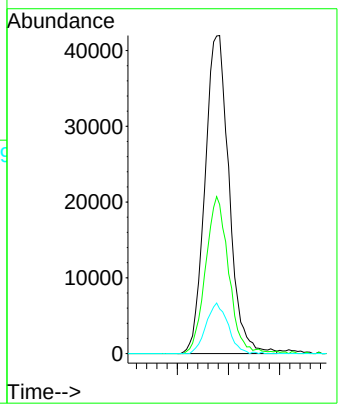
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

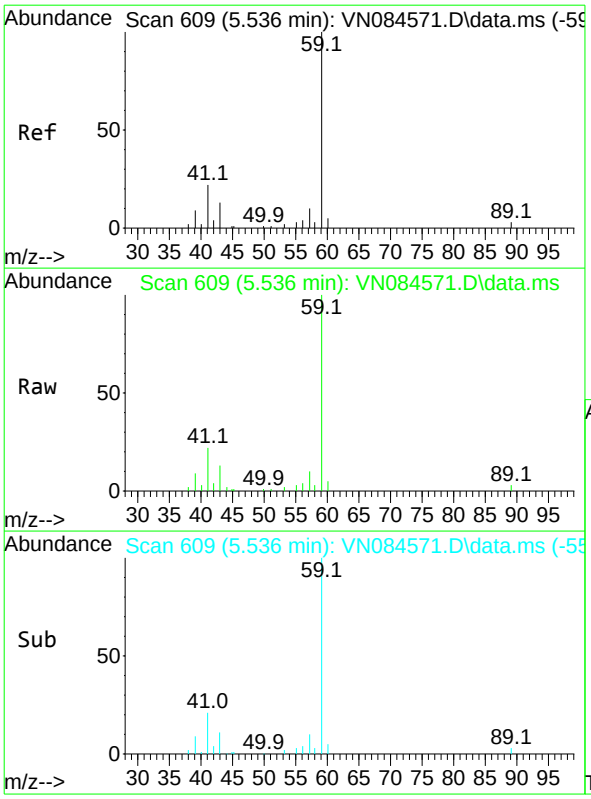


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

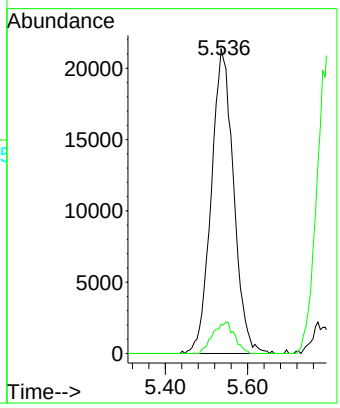




#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 59 Resp: 80598

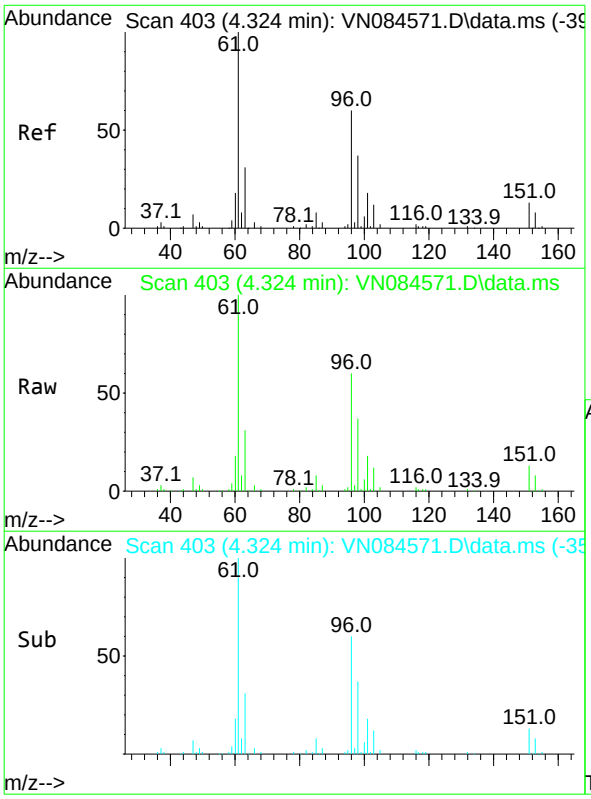
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

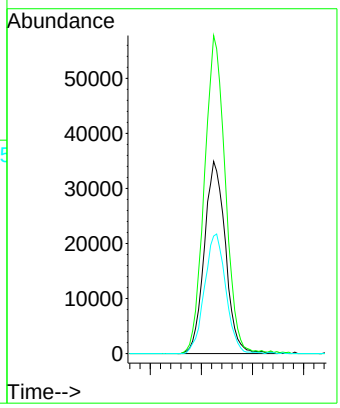
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

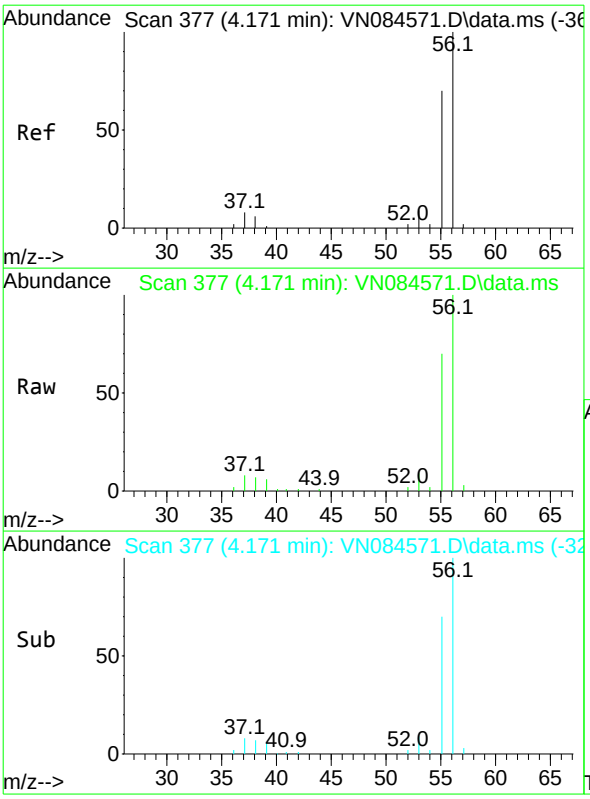


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

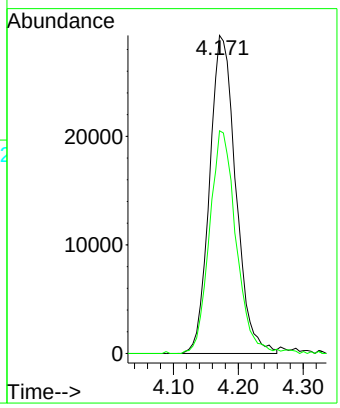




#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 82129

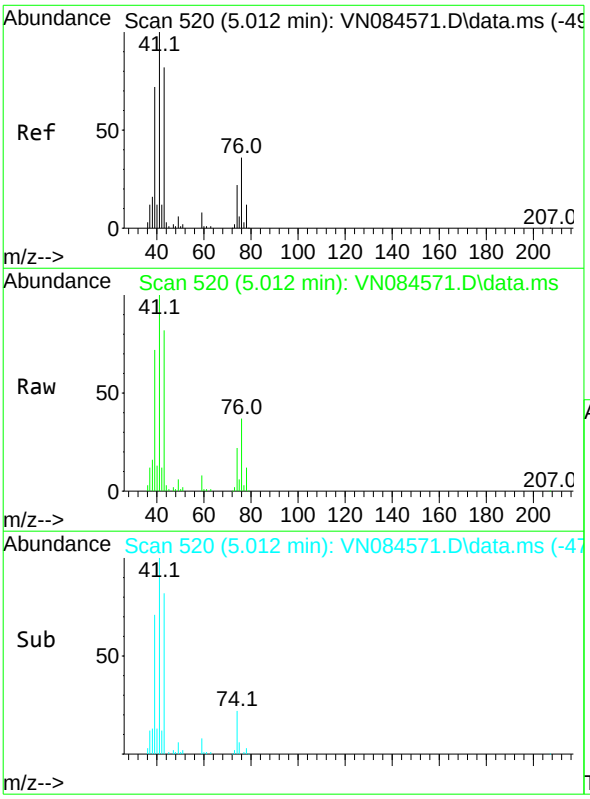
Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

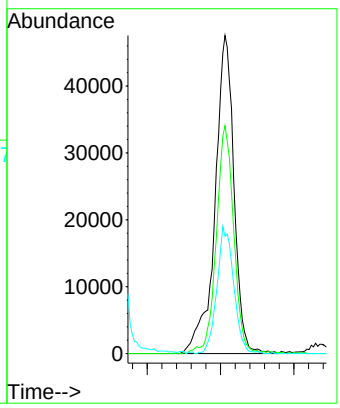
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

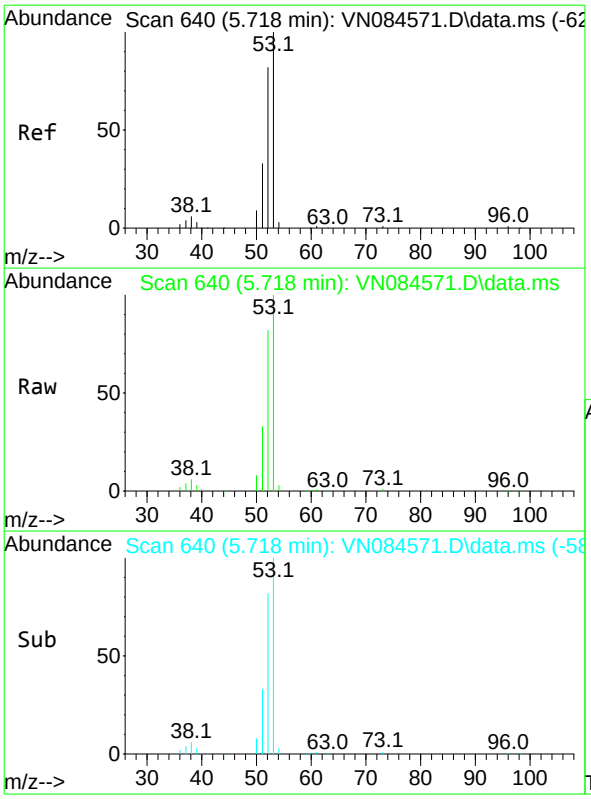


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

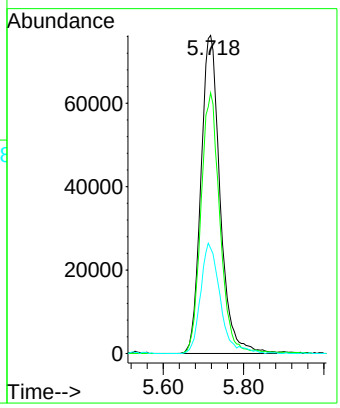




#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 53 Resp: 252853

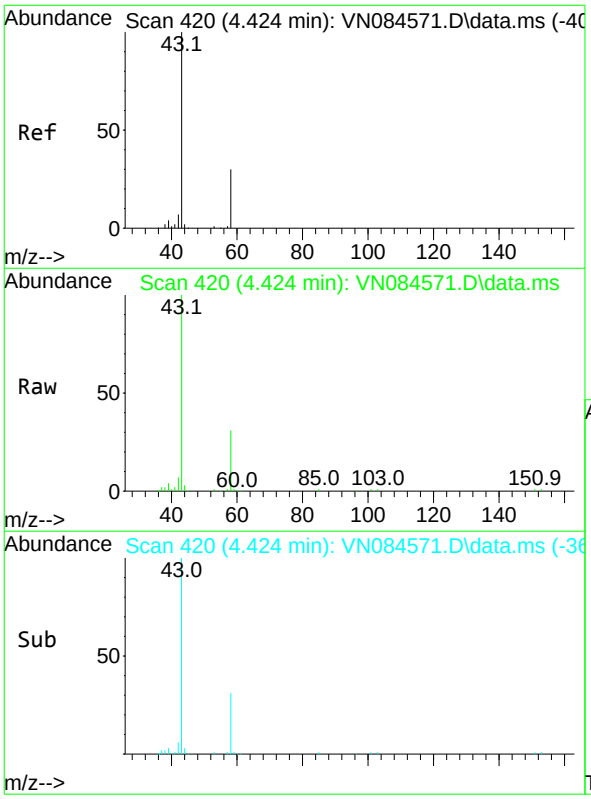
Ion	Ratio	Lower	Upper
53	100		
52	80.1	66.2	99.4
51	35.4	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

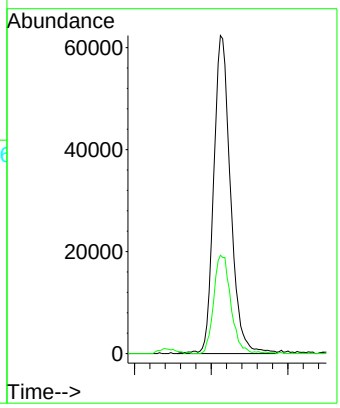
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

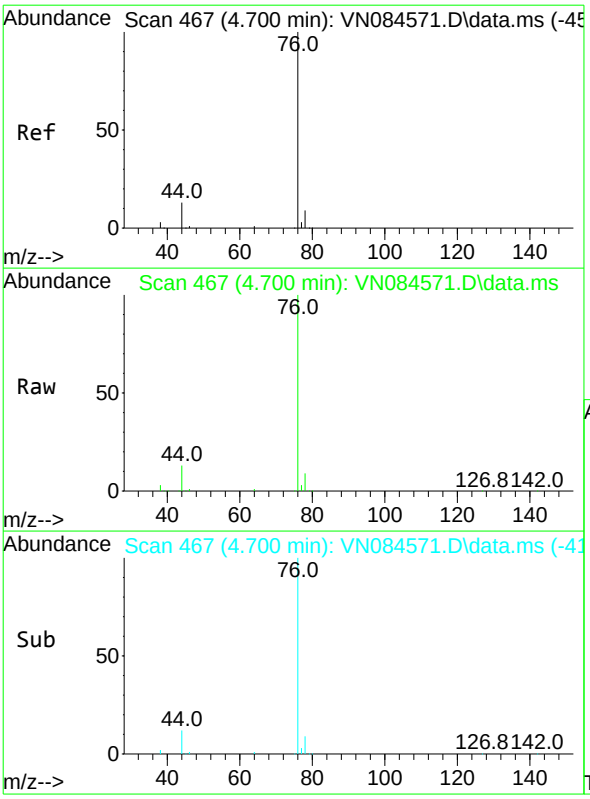


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6

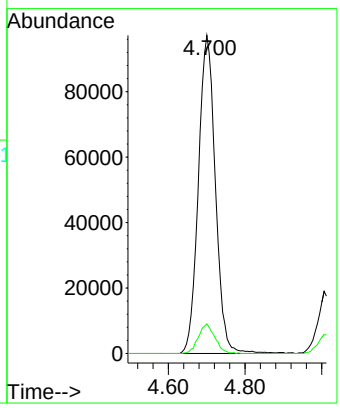




#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 299041

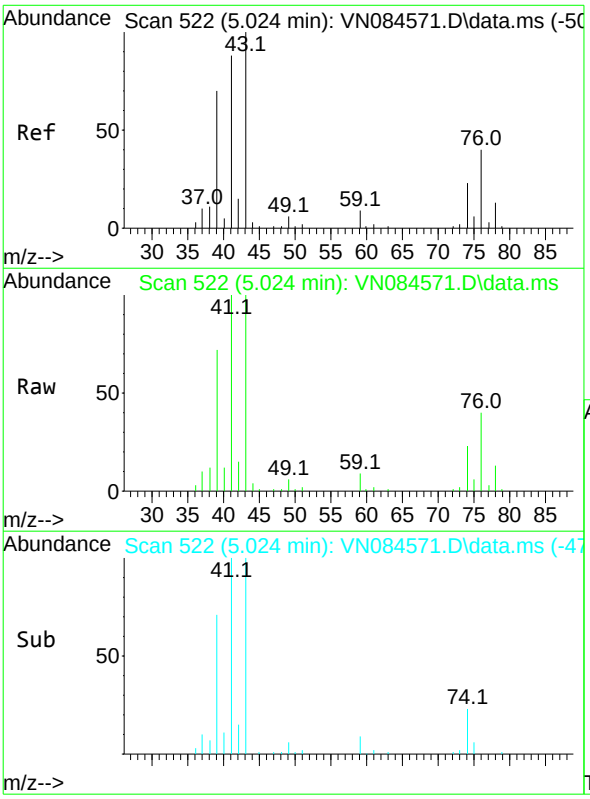
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

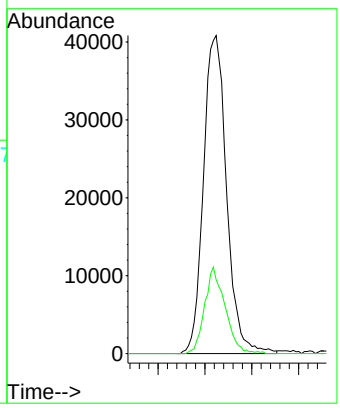
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

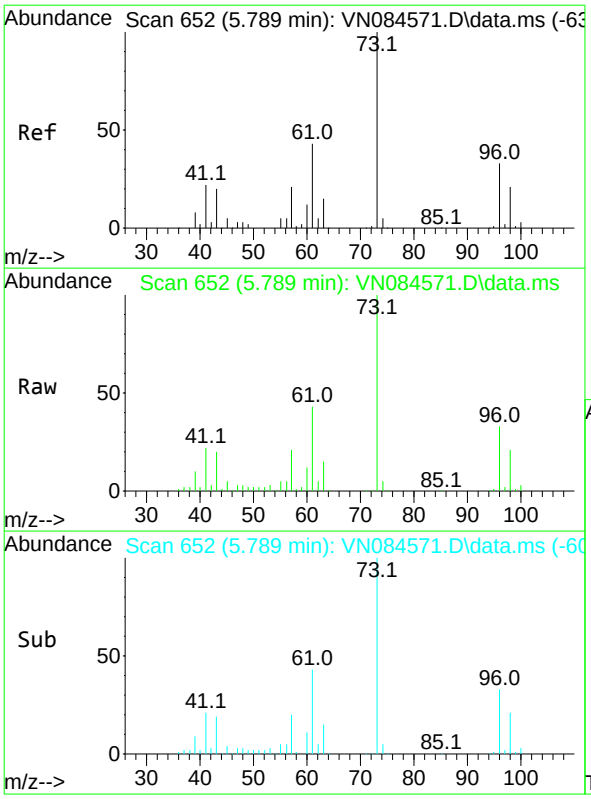


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8

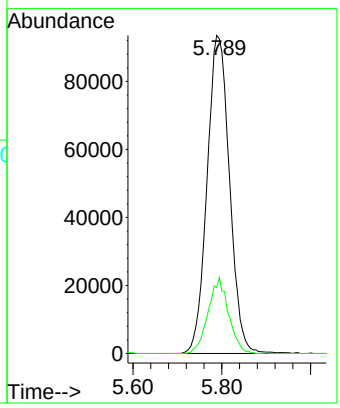




#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 73 Resp: 328099

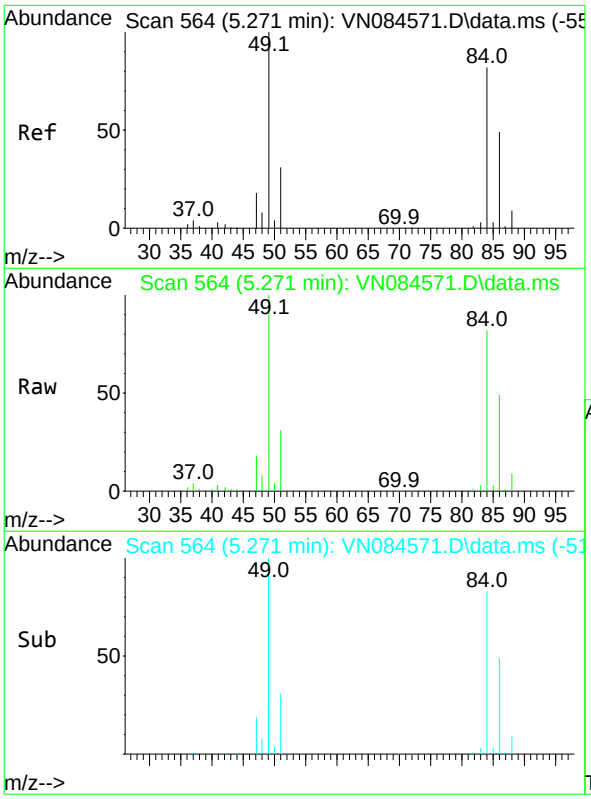
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

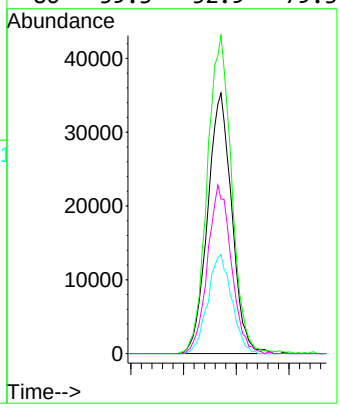
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

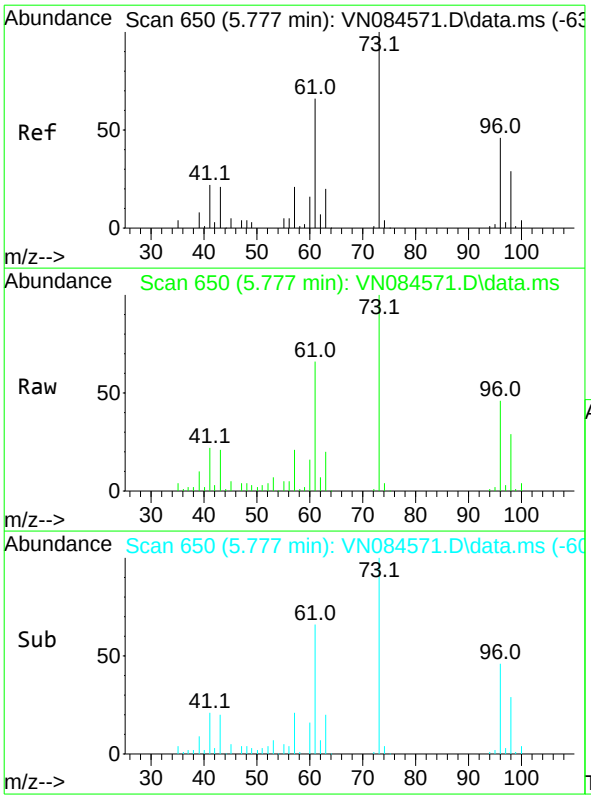


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

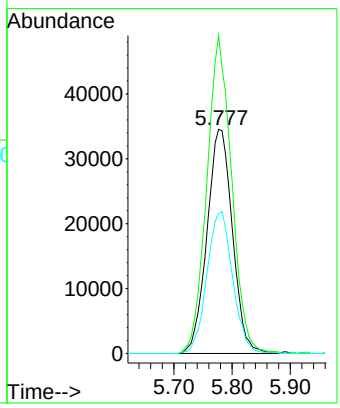




#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 105050

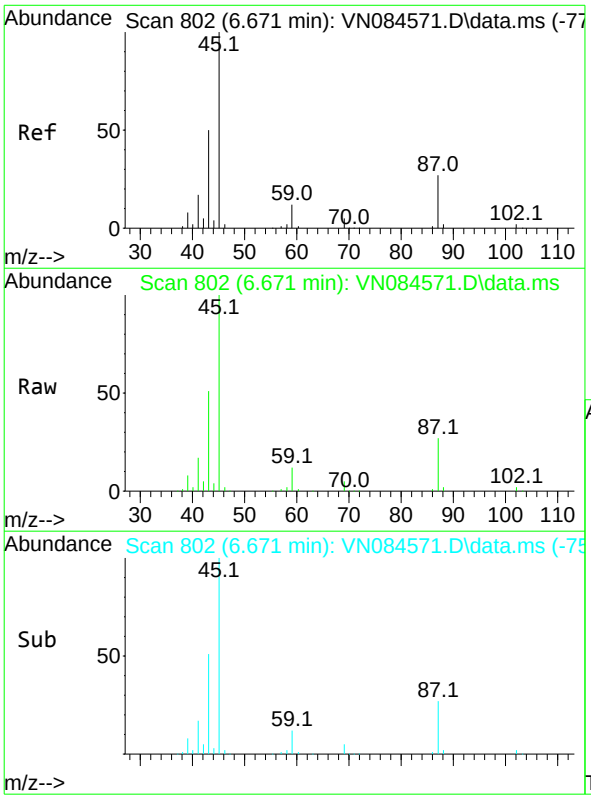
Ion	Ratio	Lower	Upper
96	100		
61	141.9	108.4	162.6
98	62.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

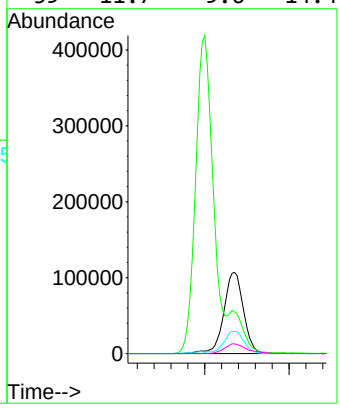
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

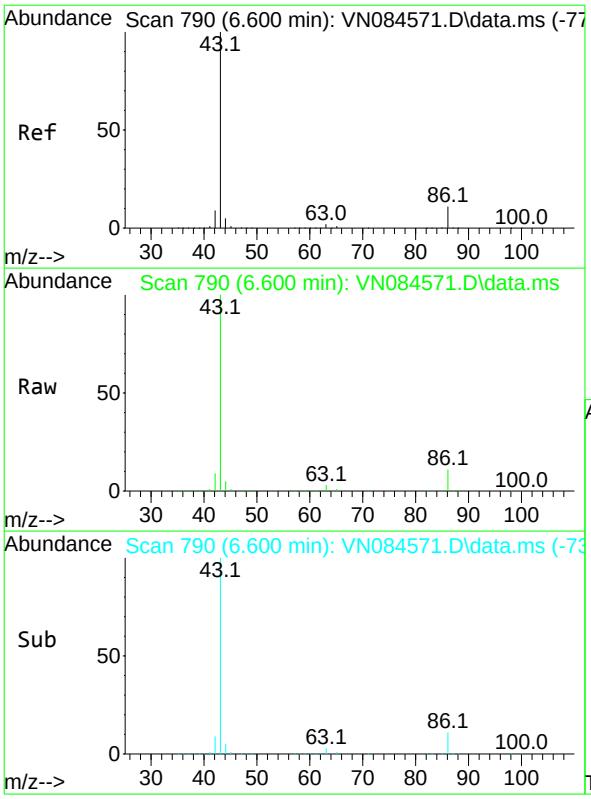


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

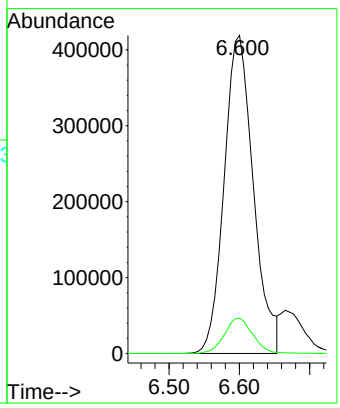




#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 1212022

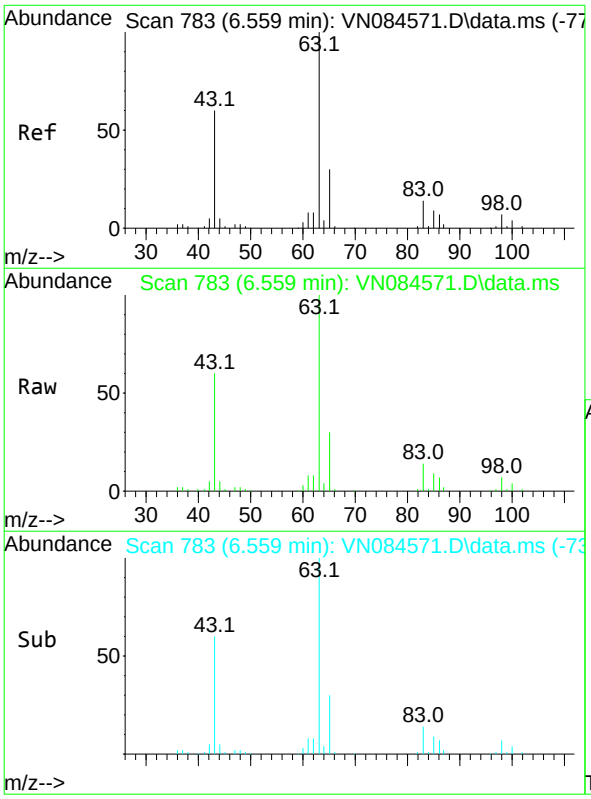
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

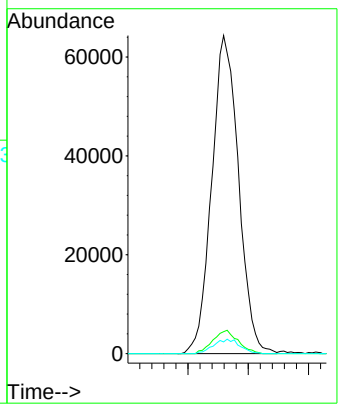
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

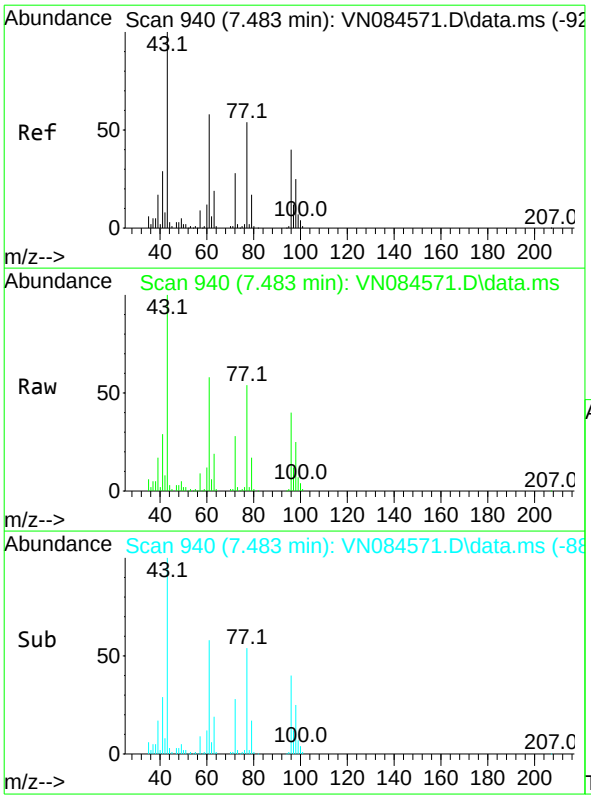


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

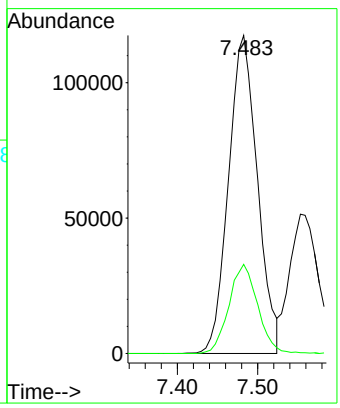




#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 294207

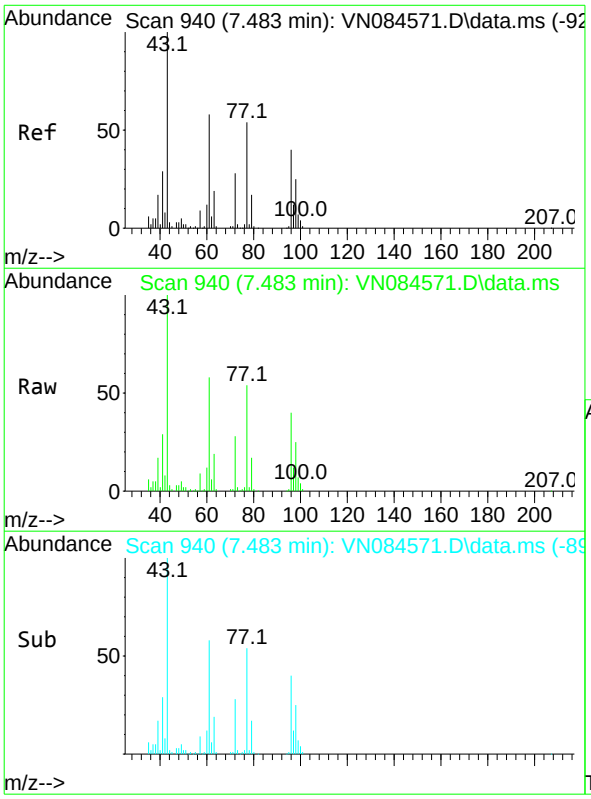
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

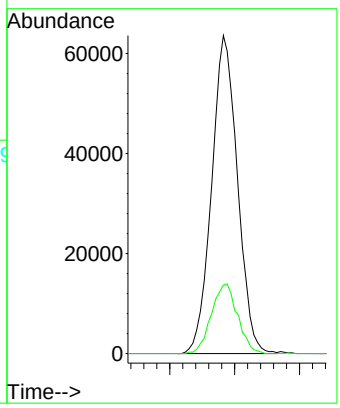
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

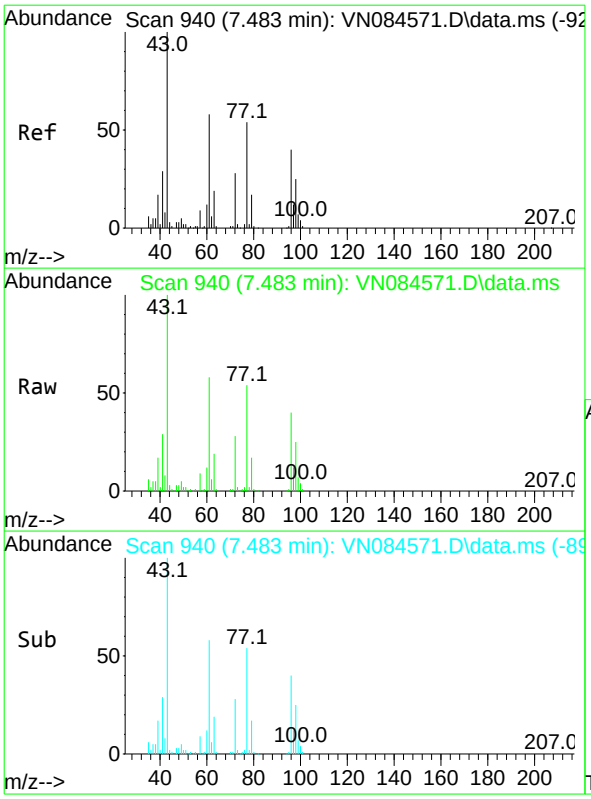


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3

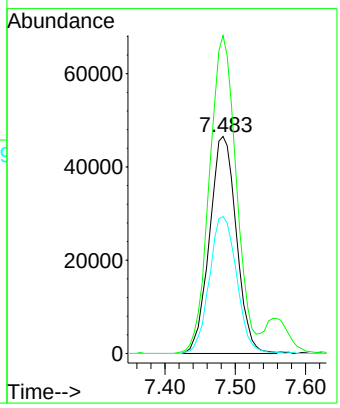




#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 96 Resp: 123436

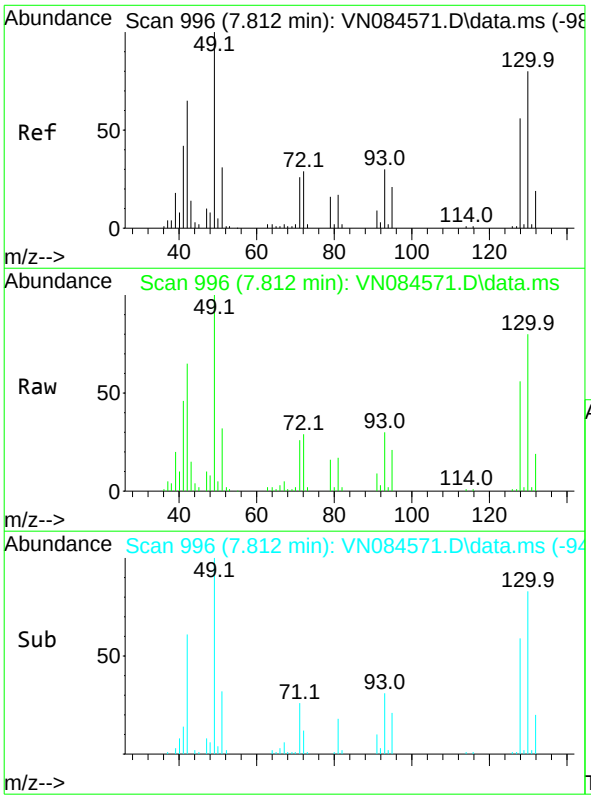
Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	301.8
98	64.3	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

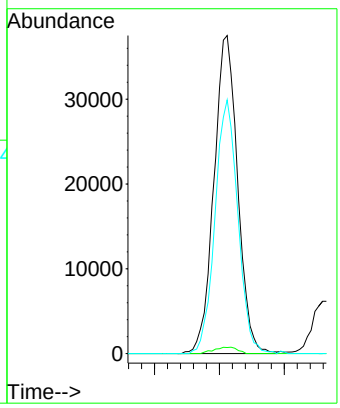
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

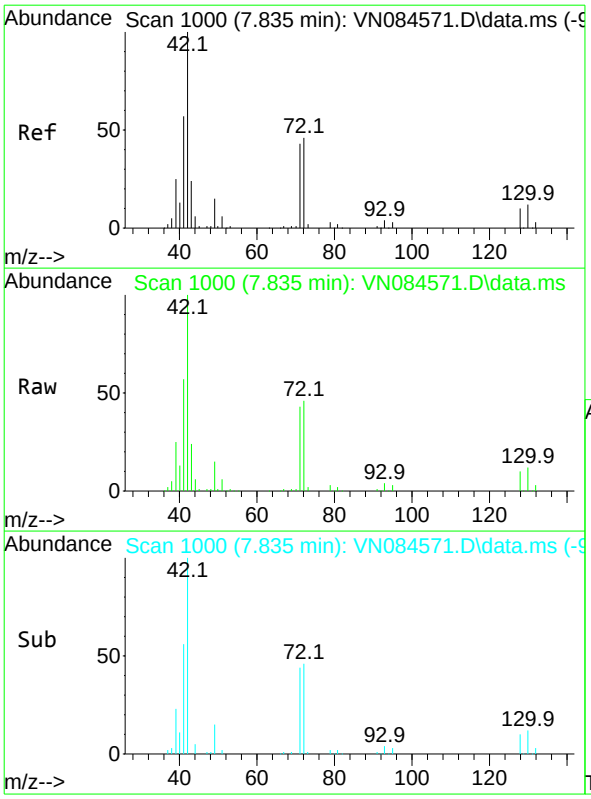


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

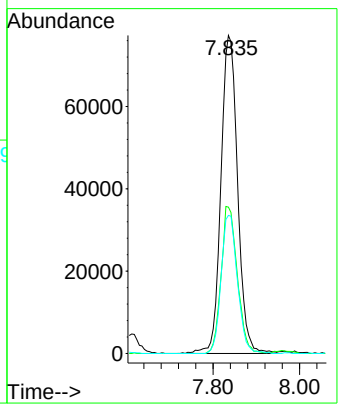




#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 42 Resp: 206980

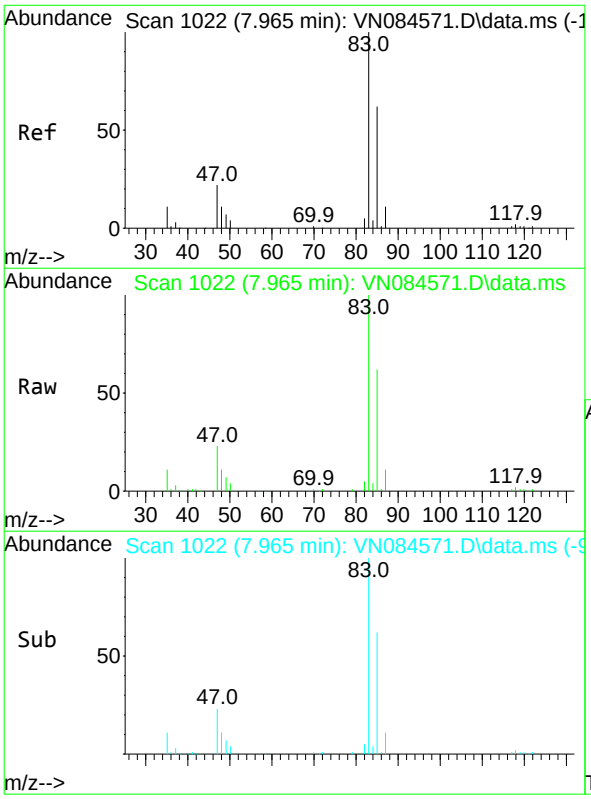
Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.6	51.8
71	42.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

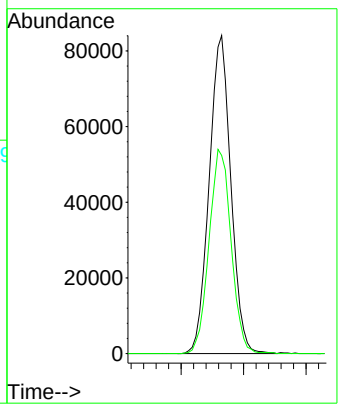
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

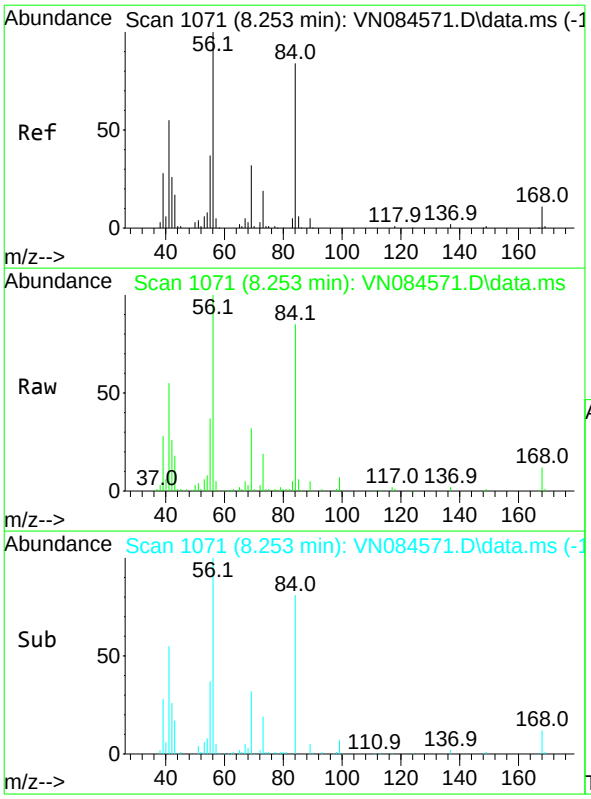


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4

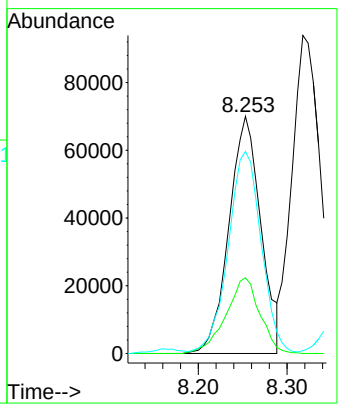




#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 56 Resp: 175038

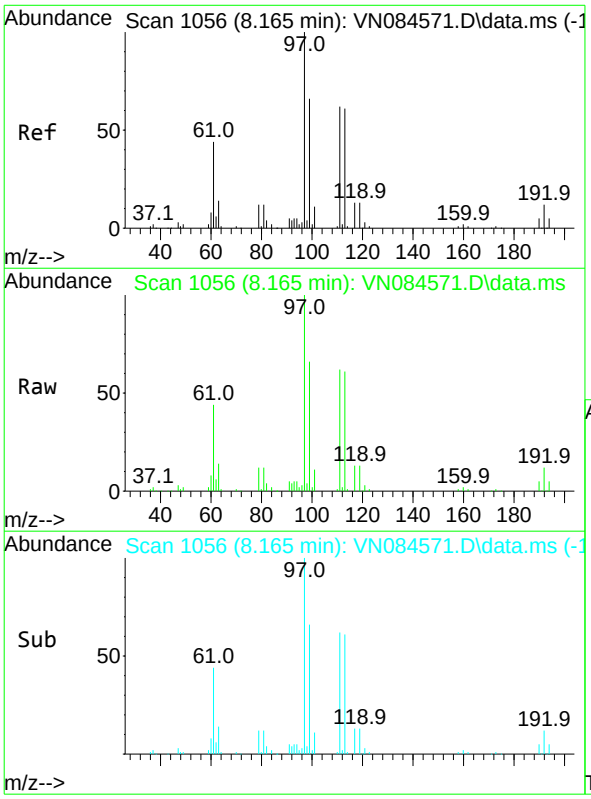
Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.8	35.6
84	83.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

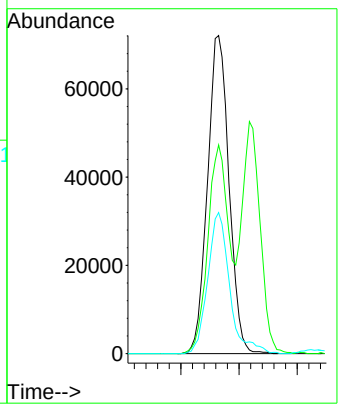
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

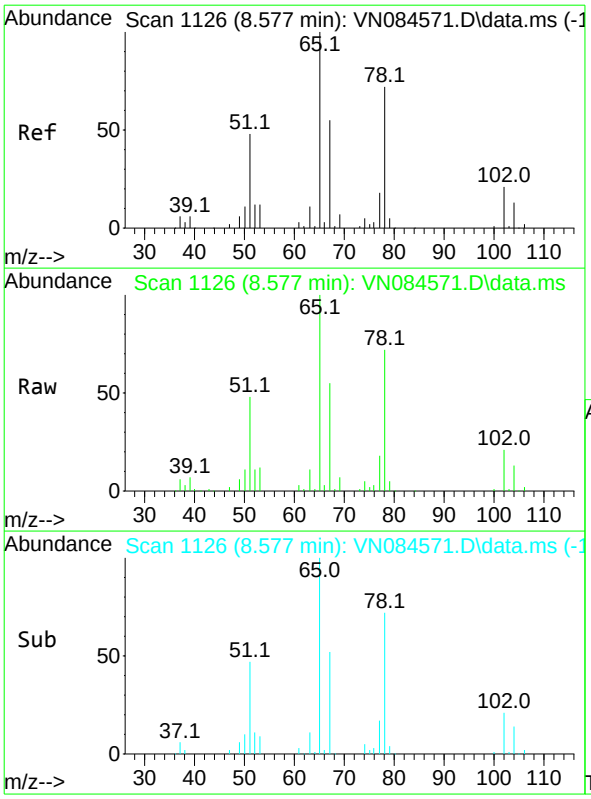


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

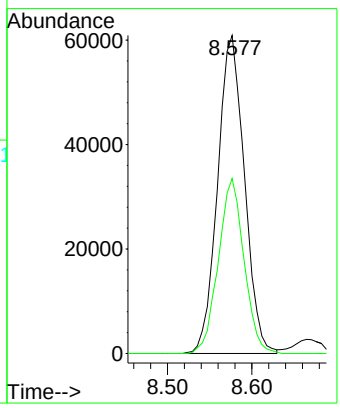




#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 65 Resp: 134521

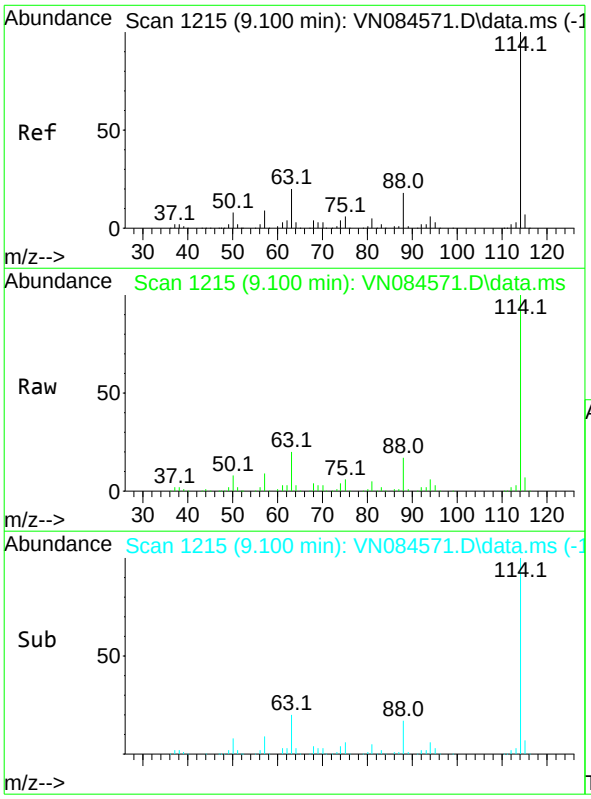
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

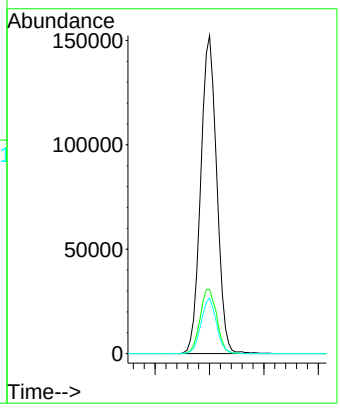
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

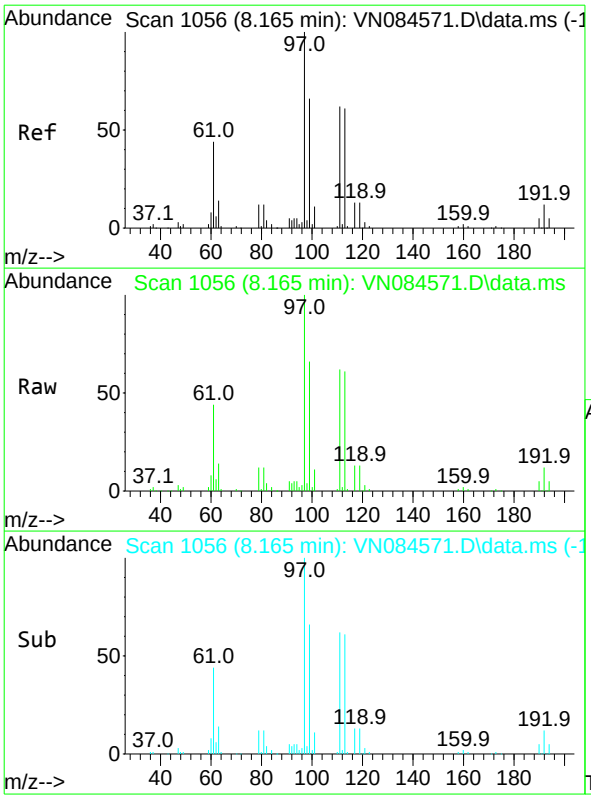


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

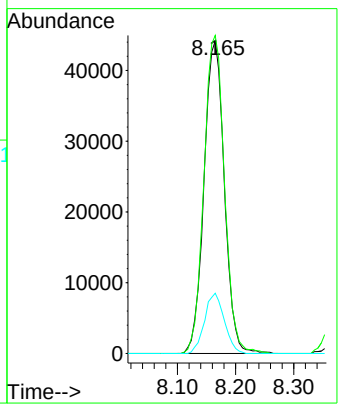




#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:113 Resp: 107131

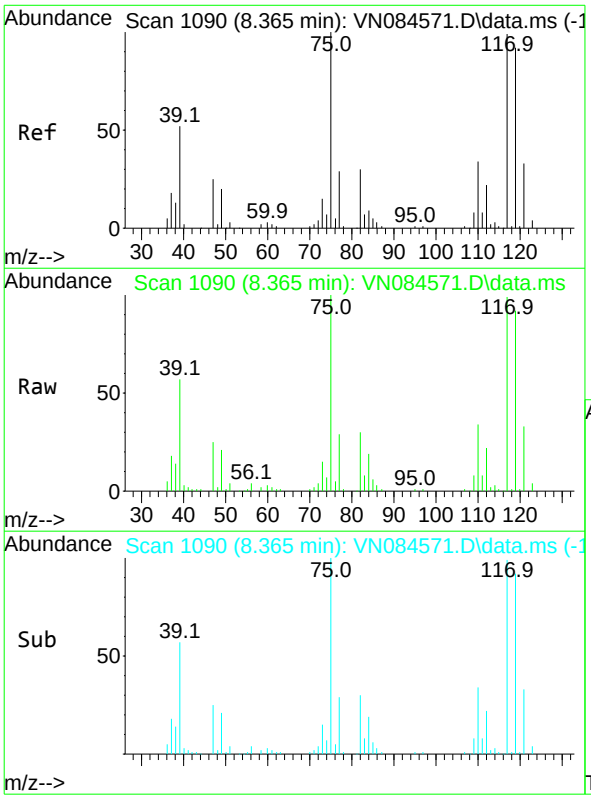
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	18.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

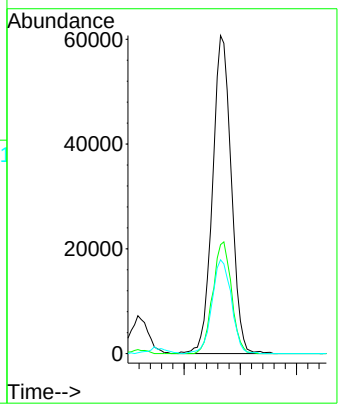
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

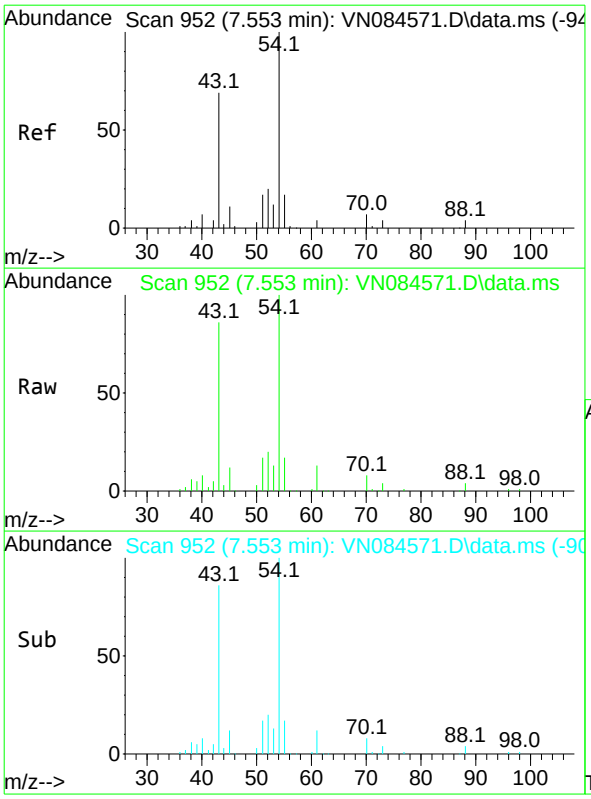


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

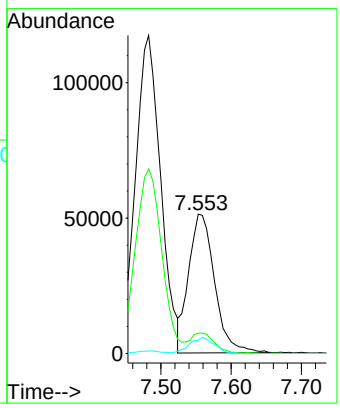
Tgt Ion: 43 Resp: 131332

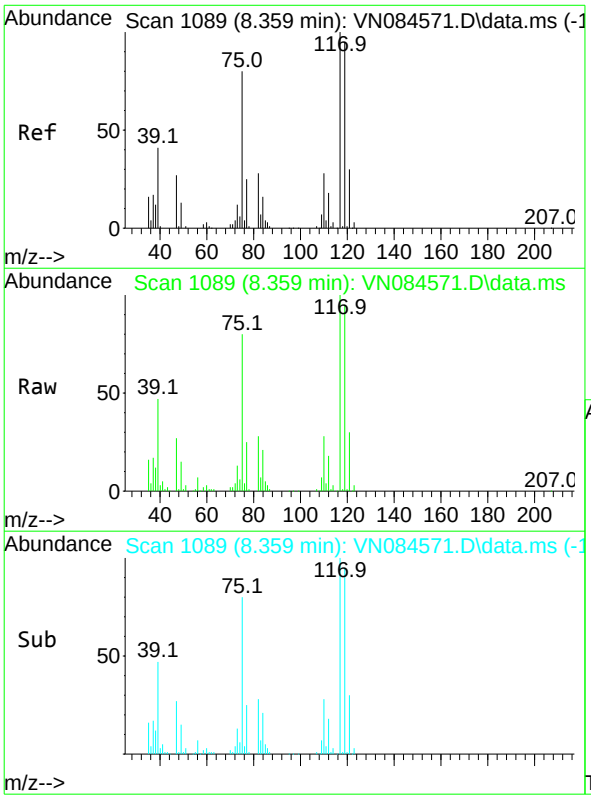
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.7	16.1
70	11.0	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

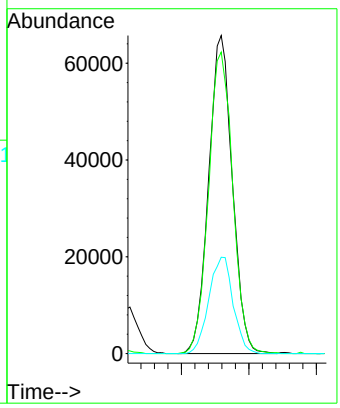


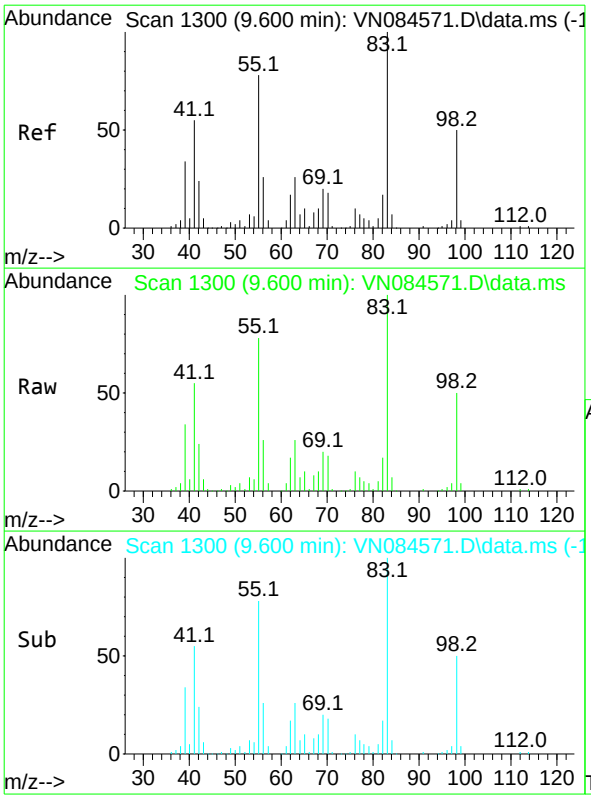


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

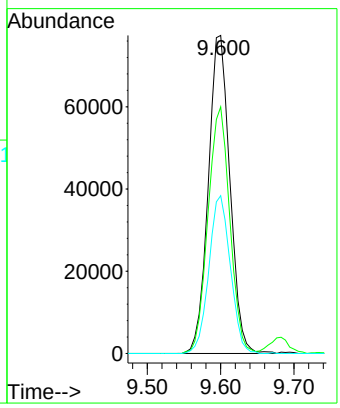




#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 158489

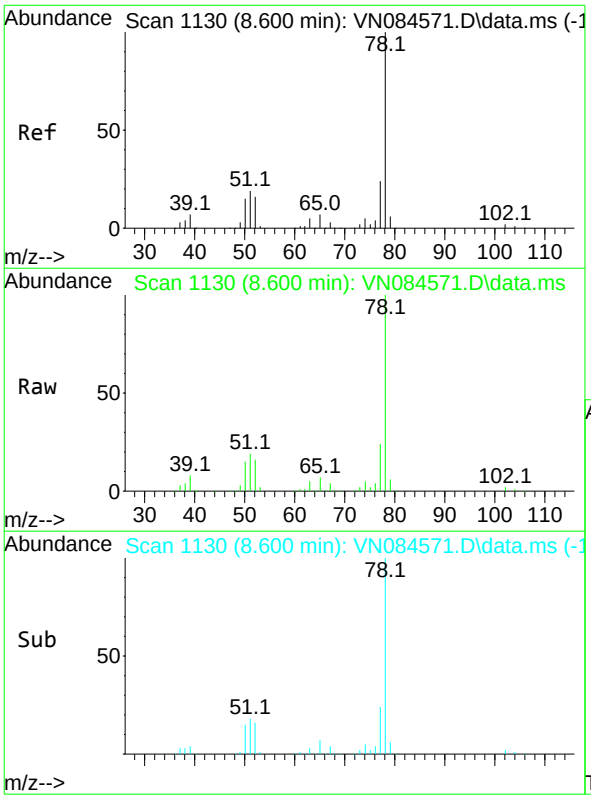
Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.8	94.2
98	49.6	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

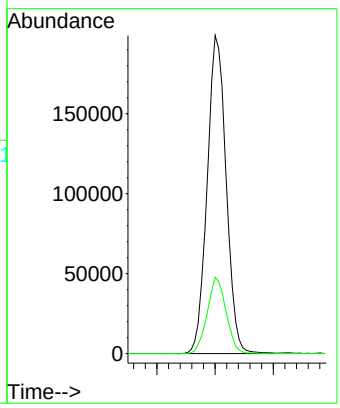
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

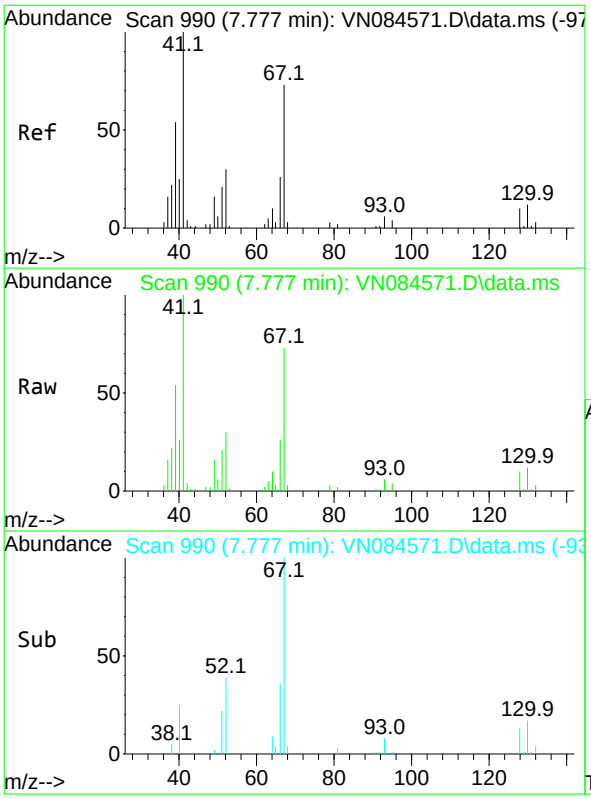


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7

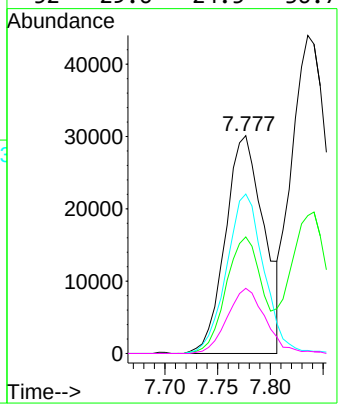




#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 41 Resp: 76791

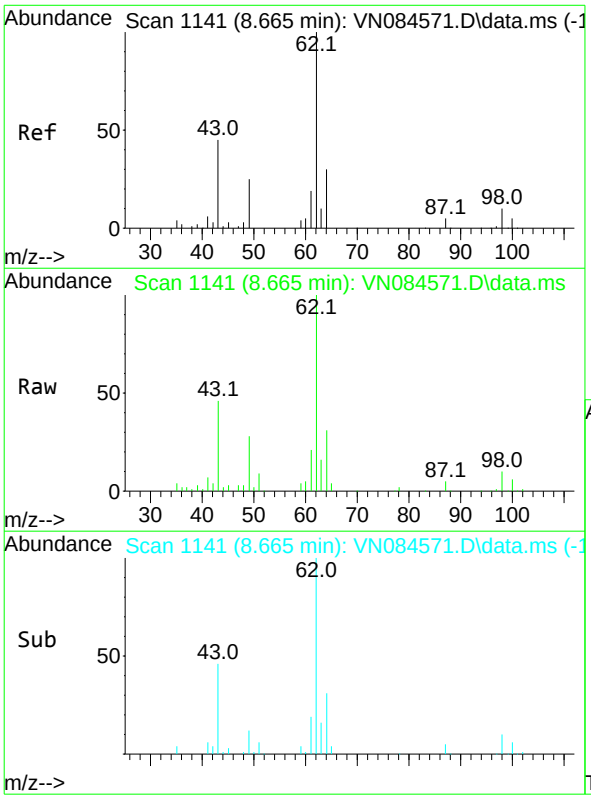
Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.3	64.9
67	71.0	56.1	84.1
52	29.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

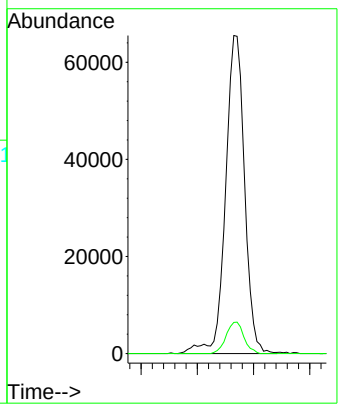
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

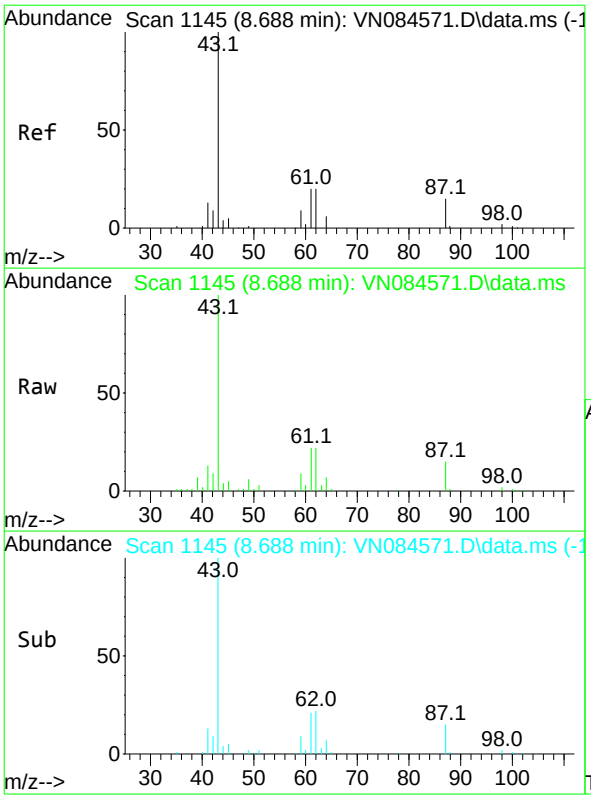


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

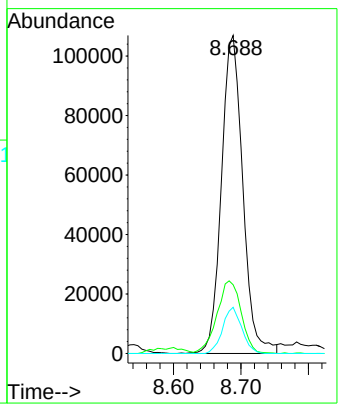




#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 235517

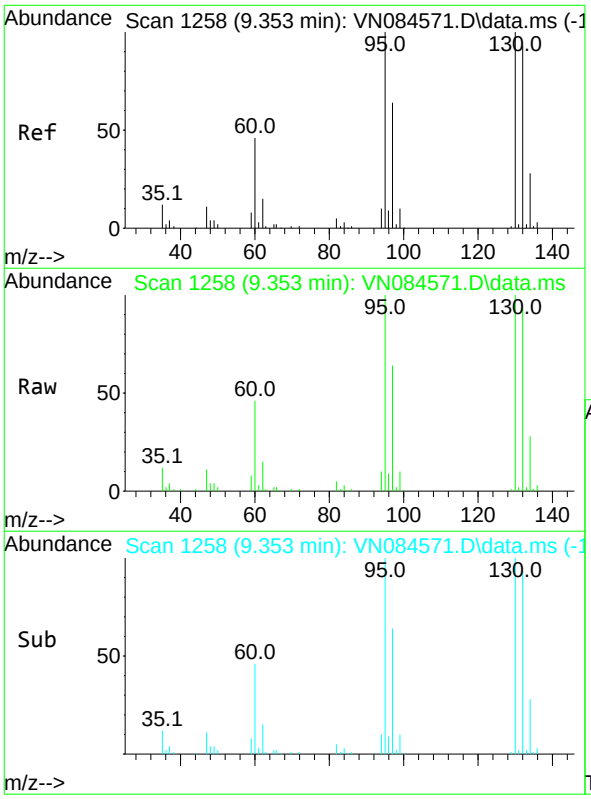
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

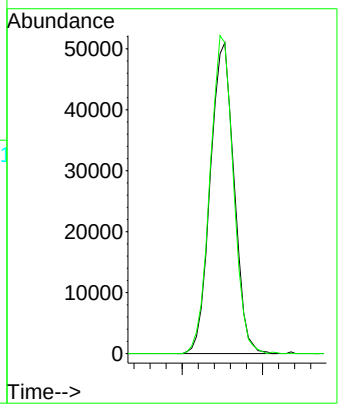
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

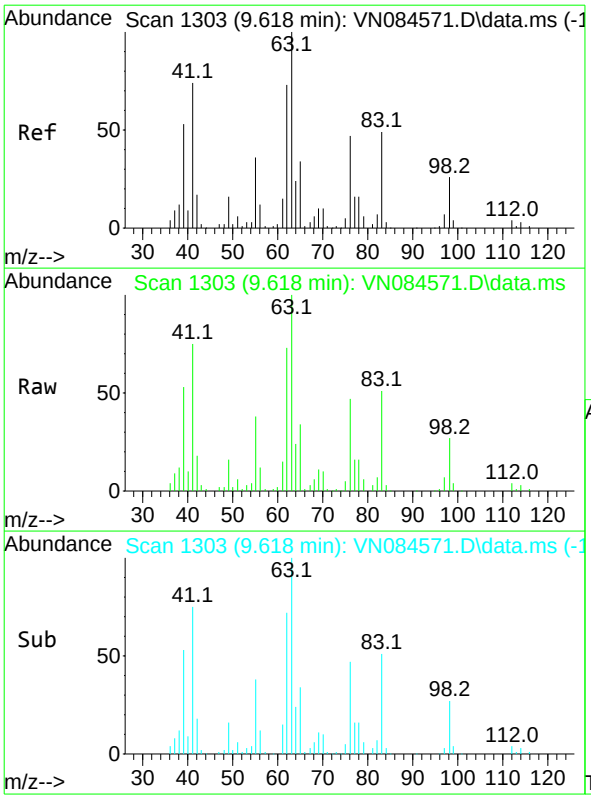


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0

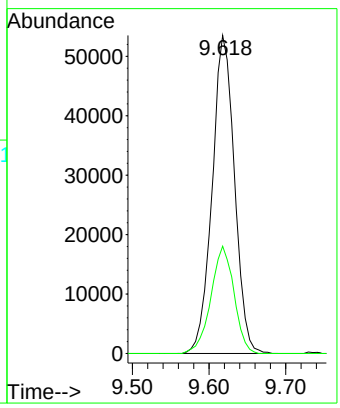




#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 108302

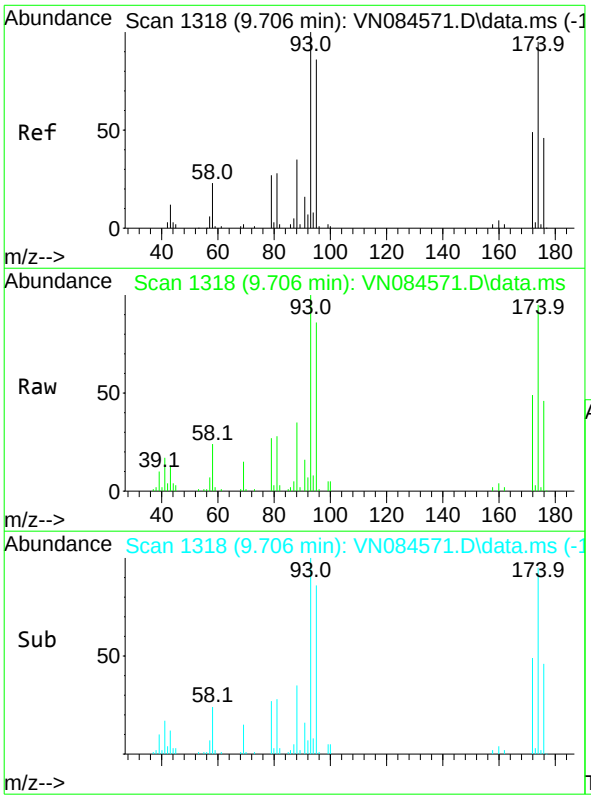
Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

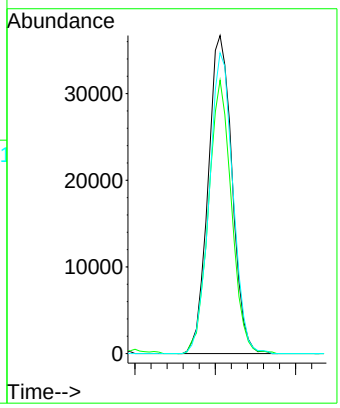
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

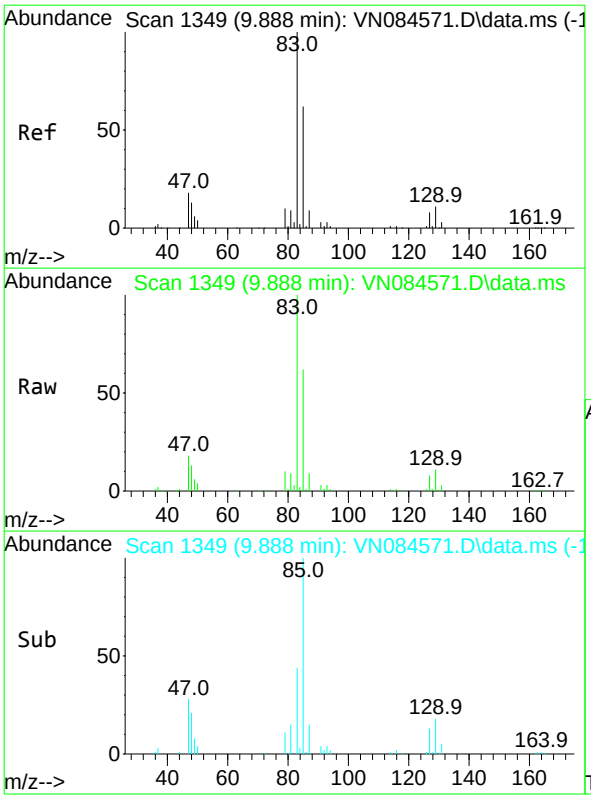


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

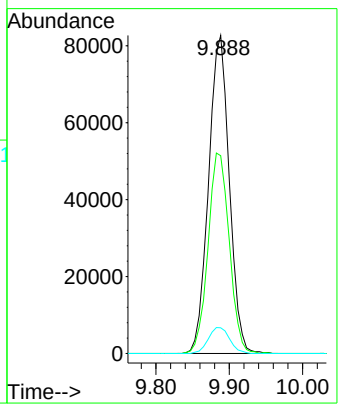




#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 162307

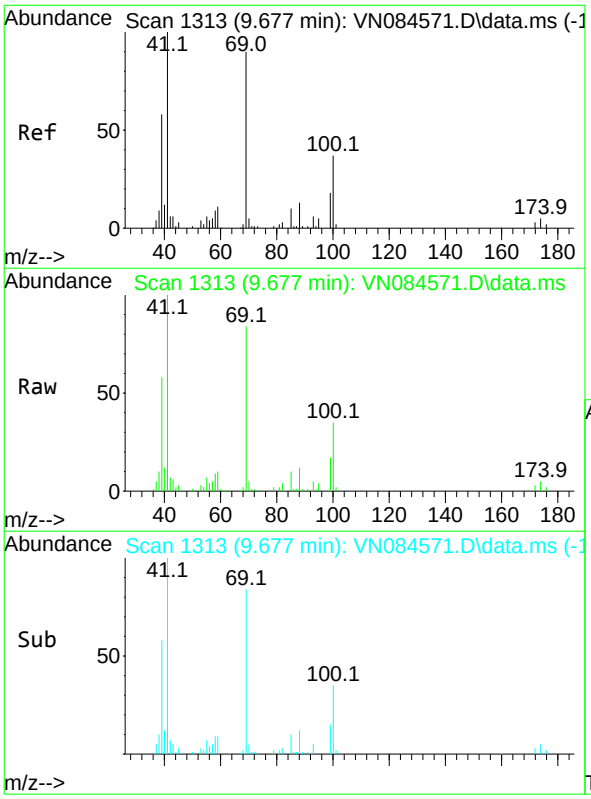
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.5	77.3
127	8.1	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

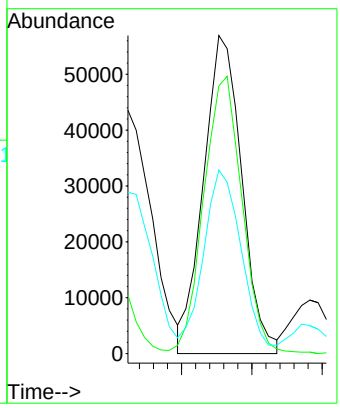
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

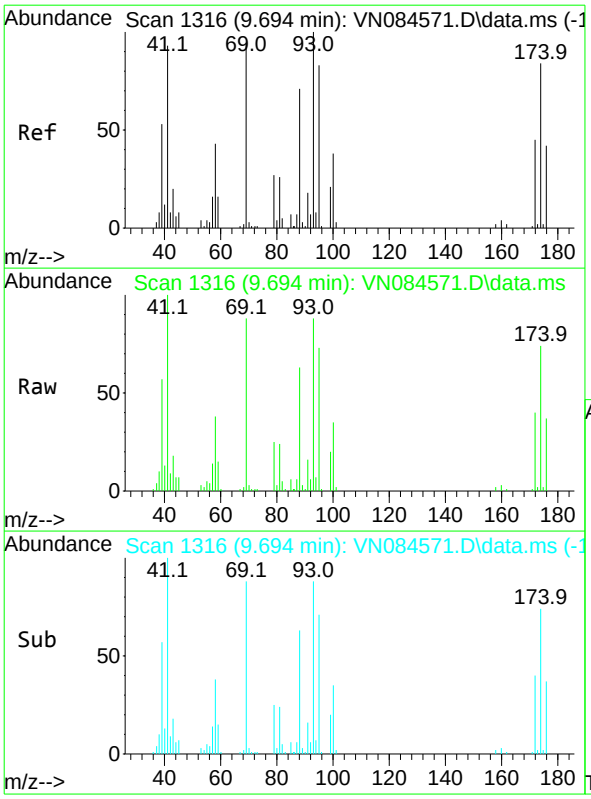


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

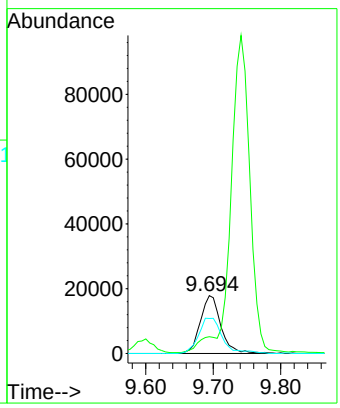




#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 88 Resp: 37719

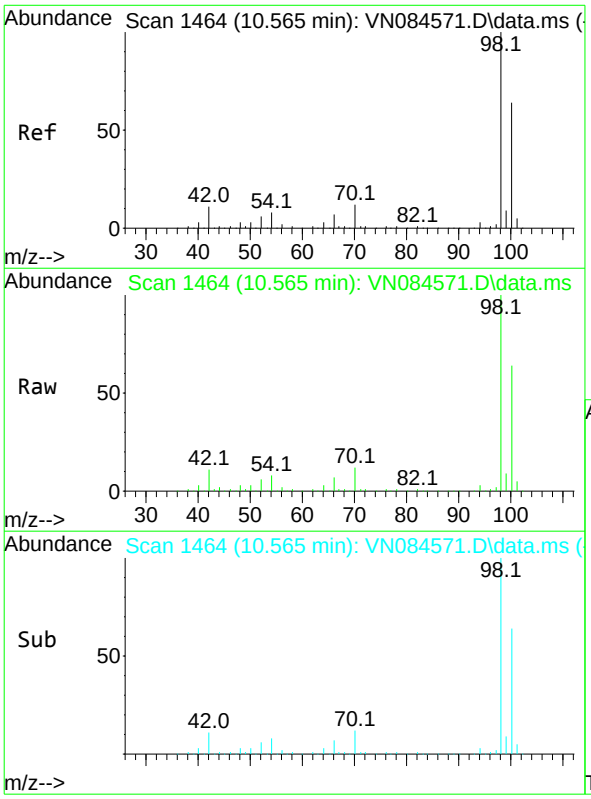
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.5	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

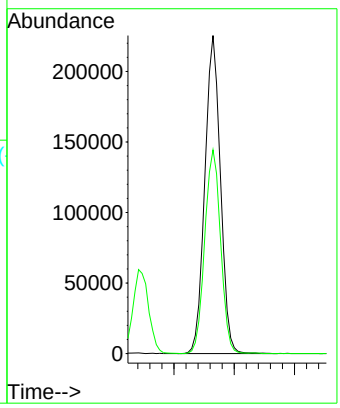
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

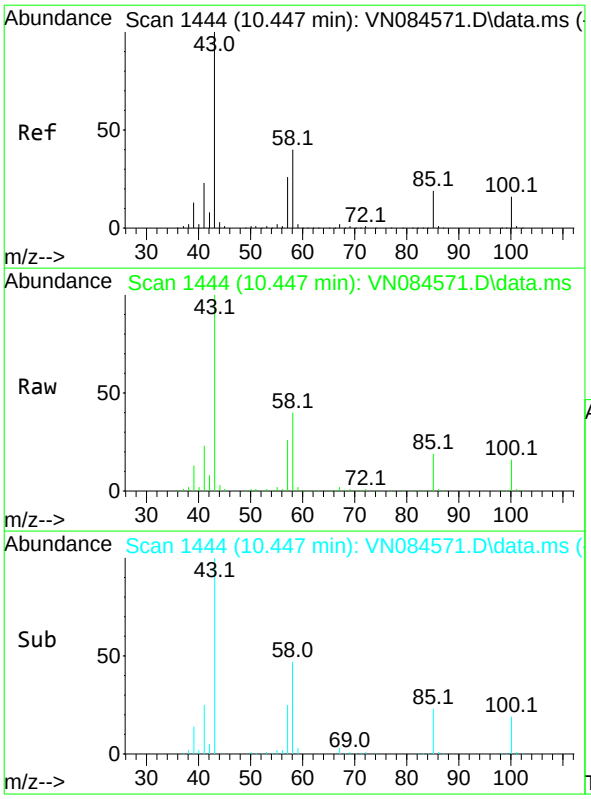


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1

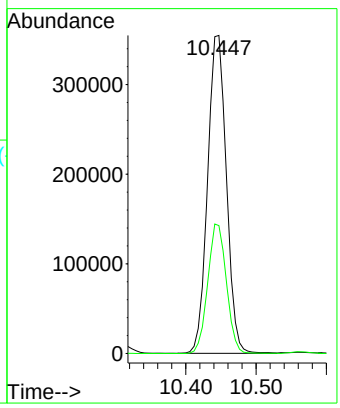




#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 658351

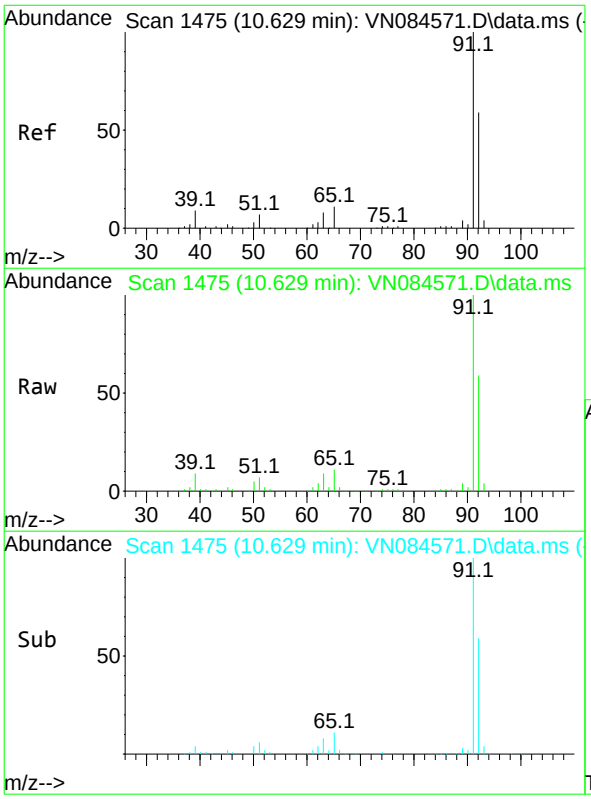
Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

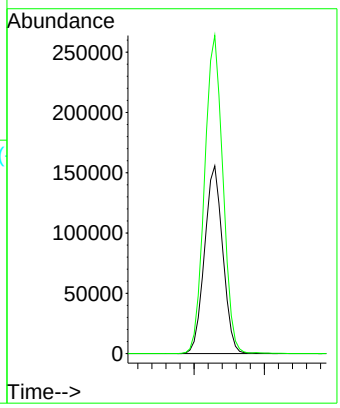
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

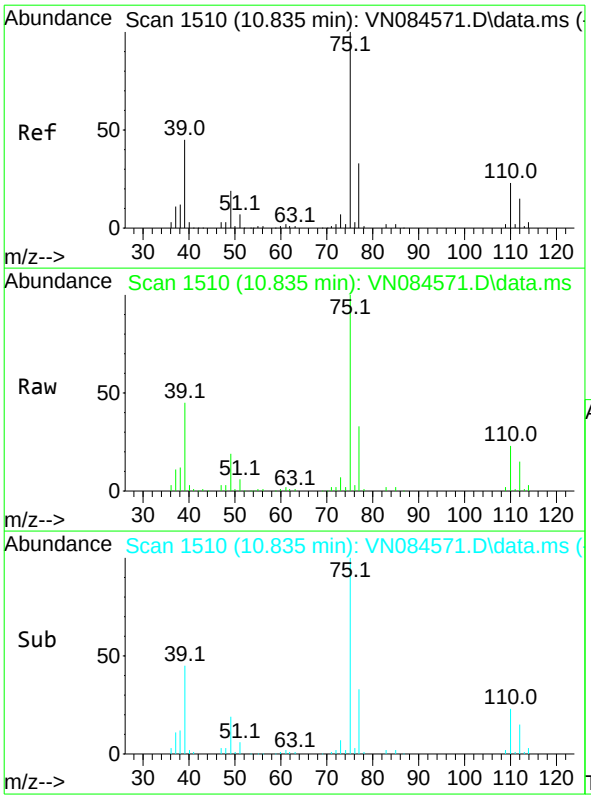


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9

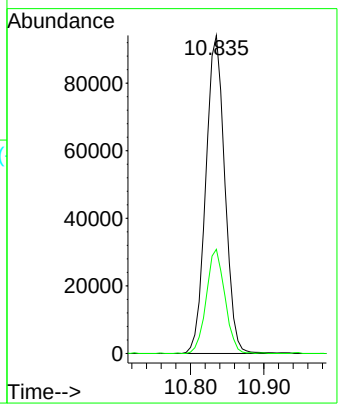




#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 169085

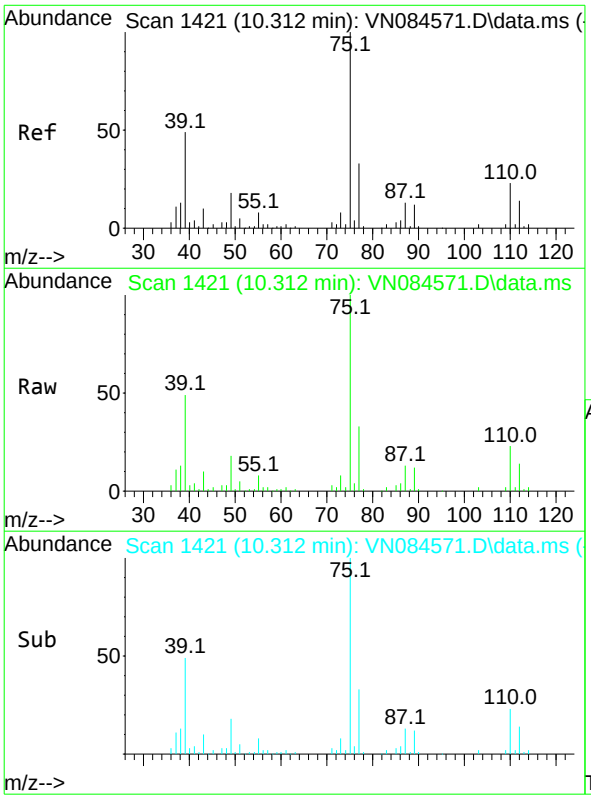
Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

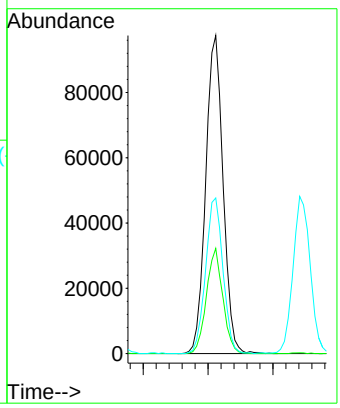
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

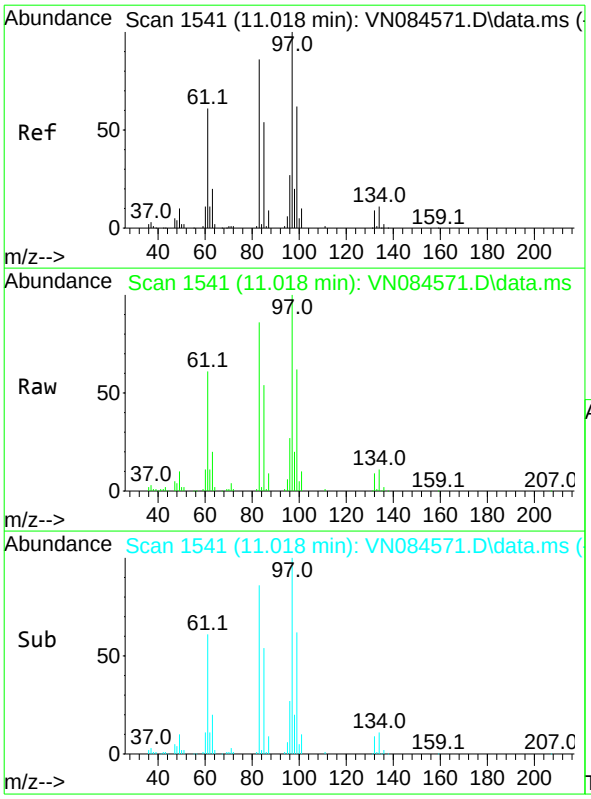


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

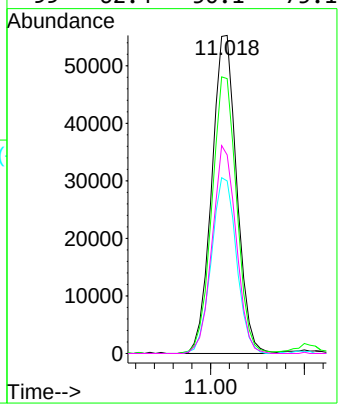




#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 97 Resp: 102401

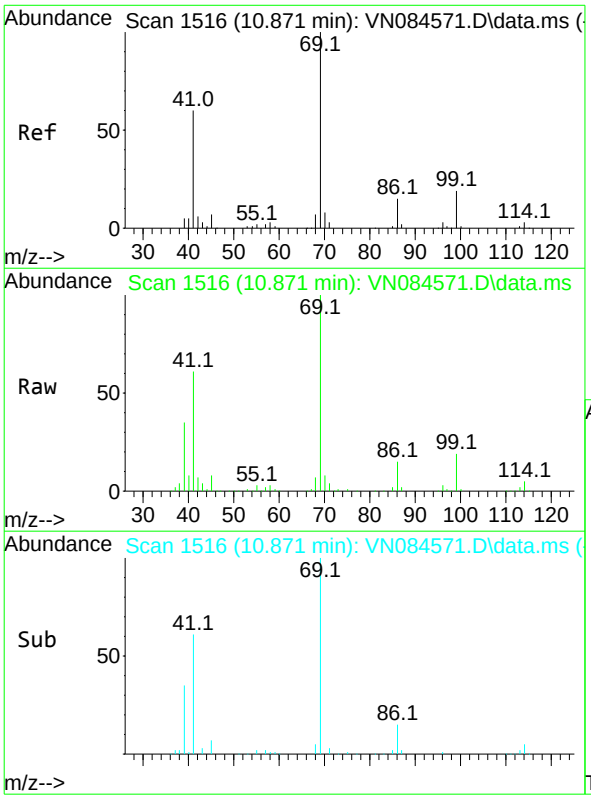
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.0	106.4
85	54.2	41.7	62.5
99	62.4	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

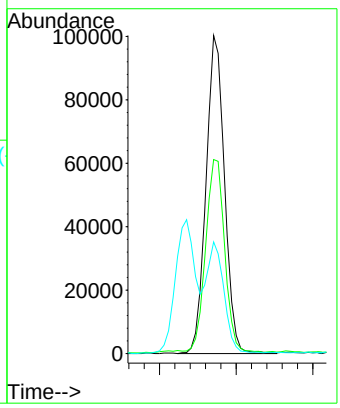
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

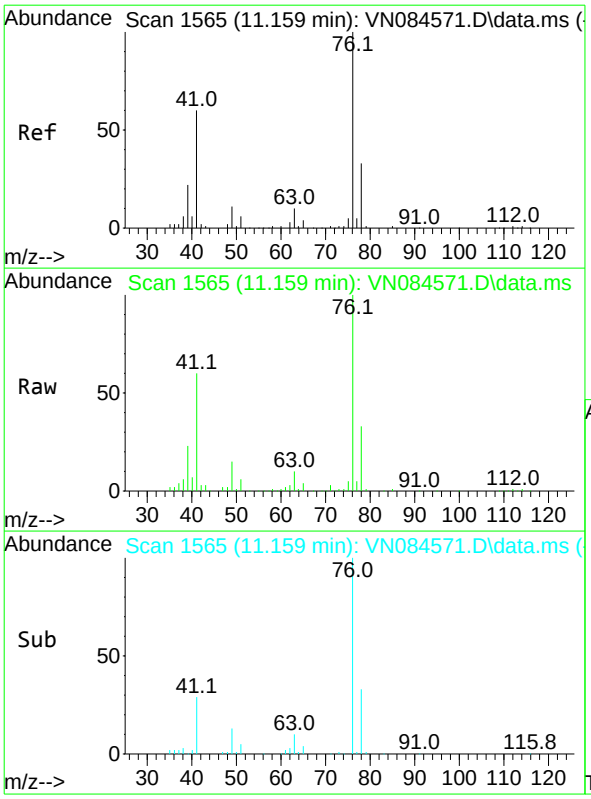


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

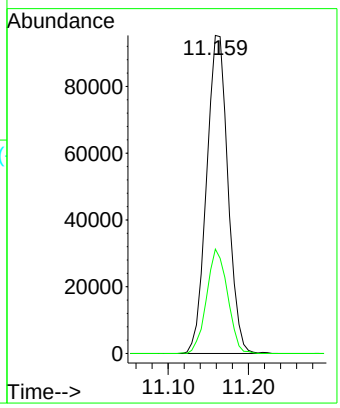




#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 76 Resp: 175929

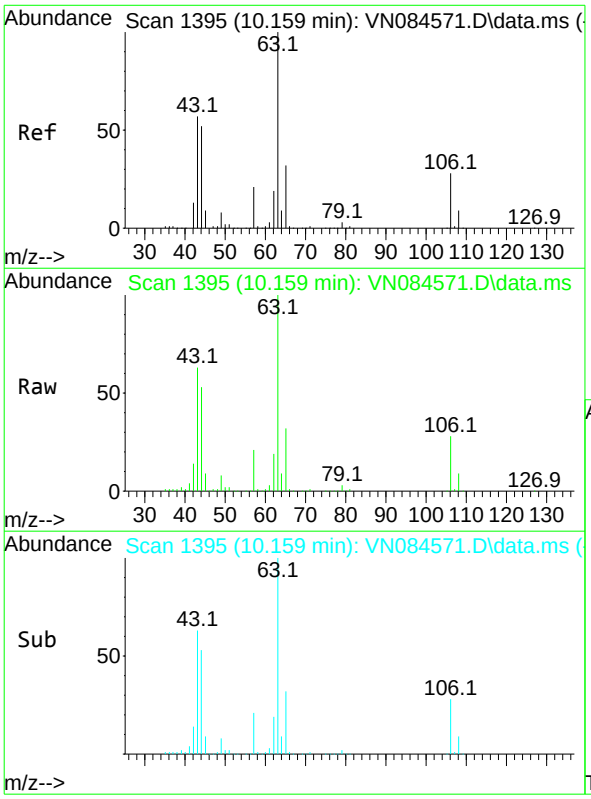
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

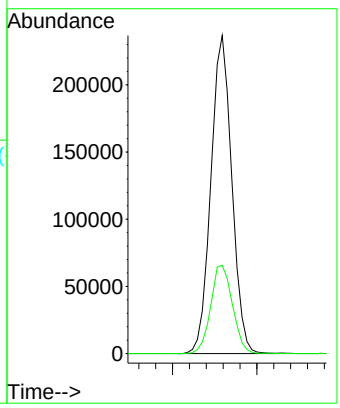
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

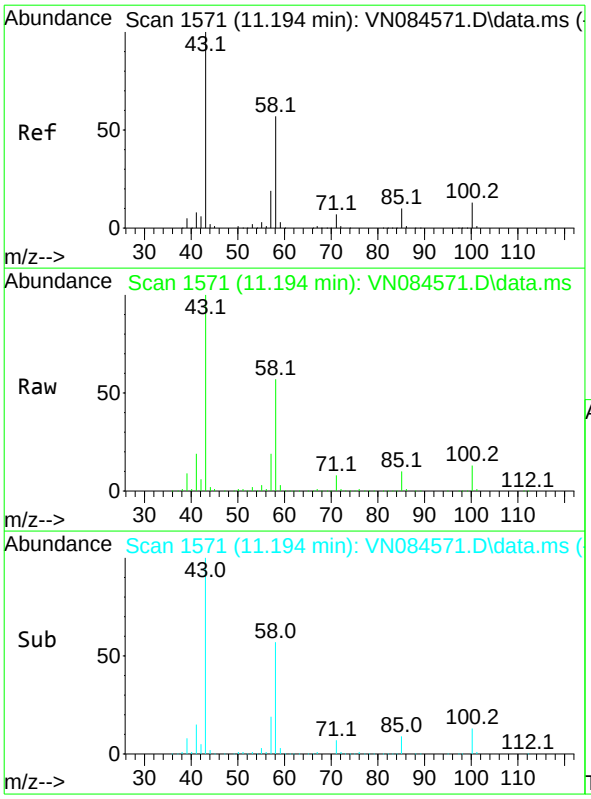


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

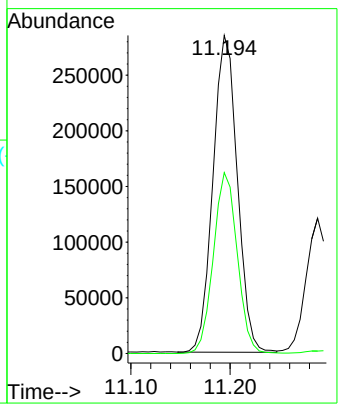




#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 485391

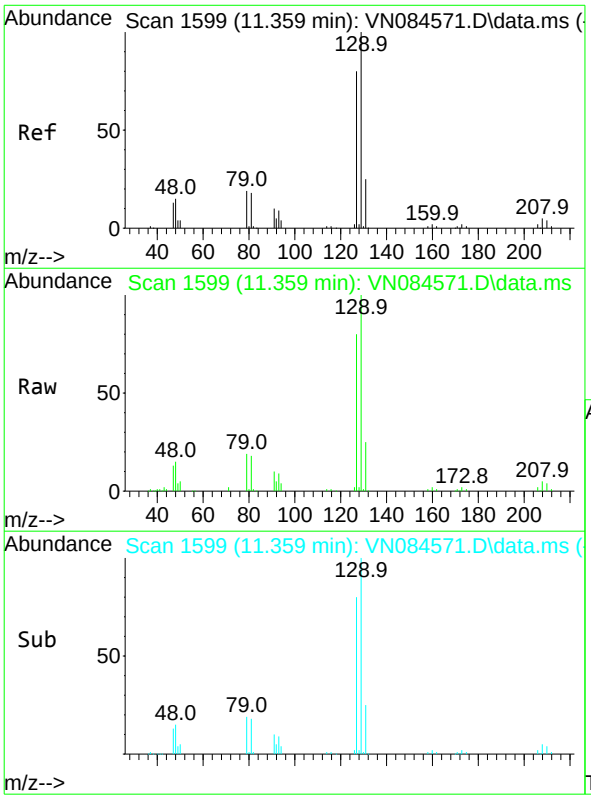
Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

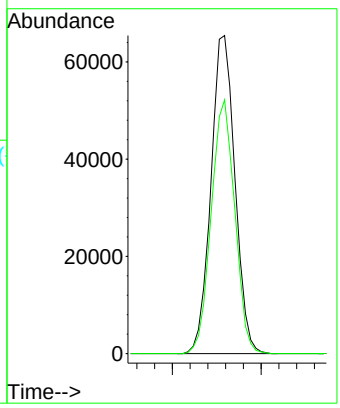
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

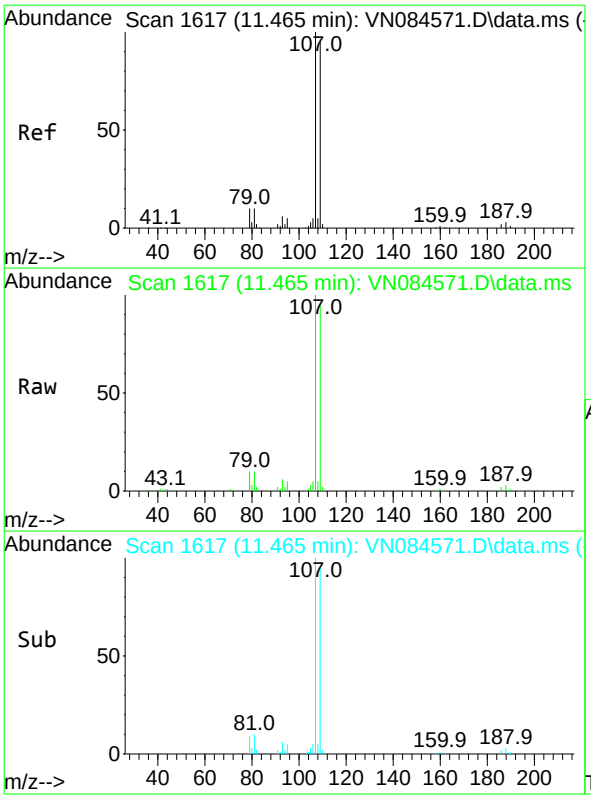


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9

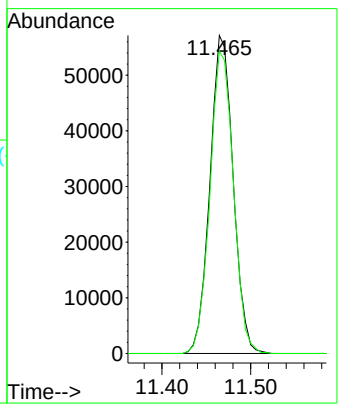




#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:107 Resp: 103901

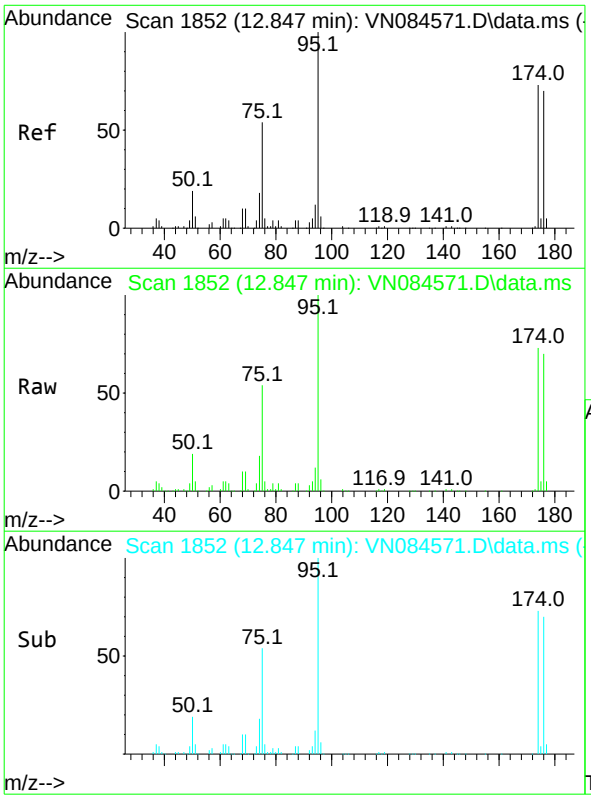
Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

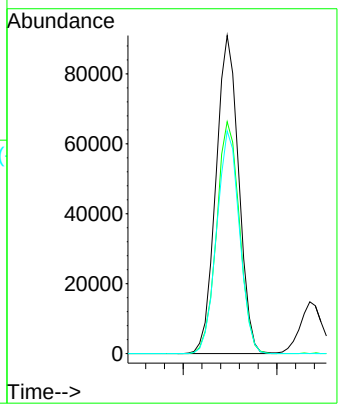
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

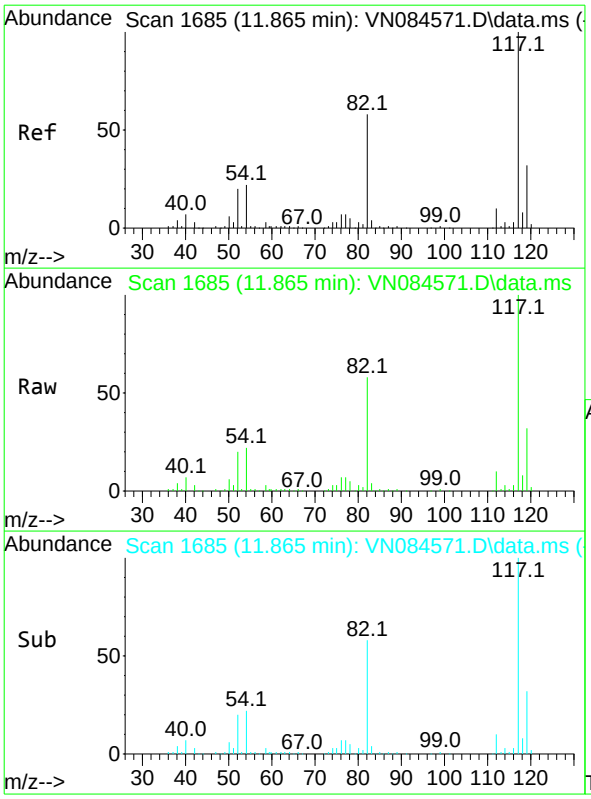


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

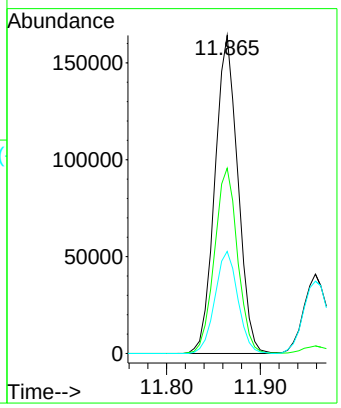




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 279228

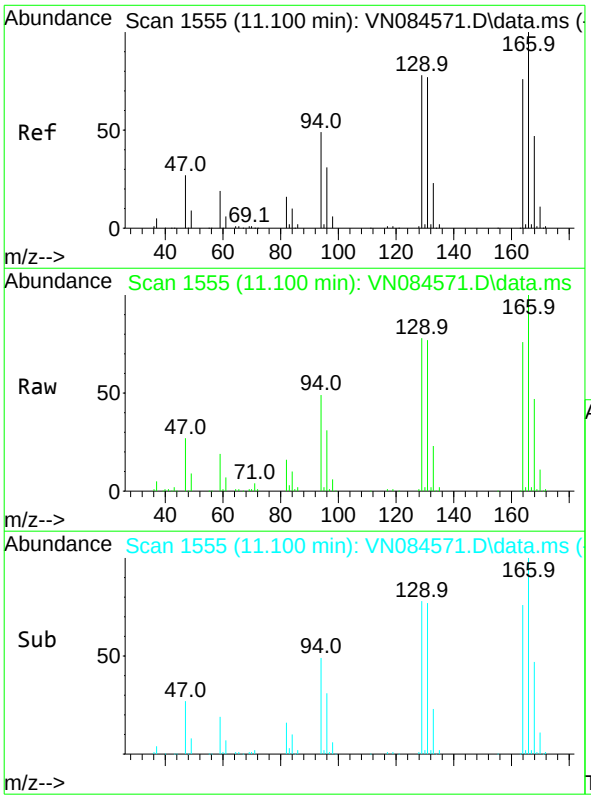
Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.1	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

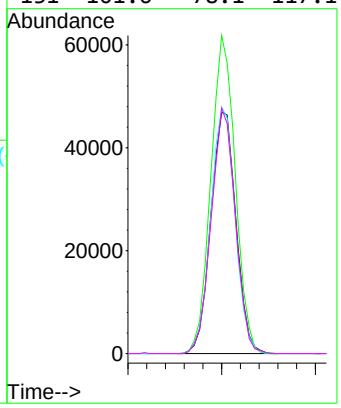
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

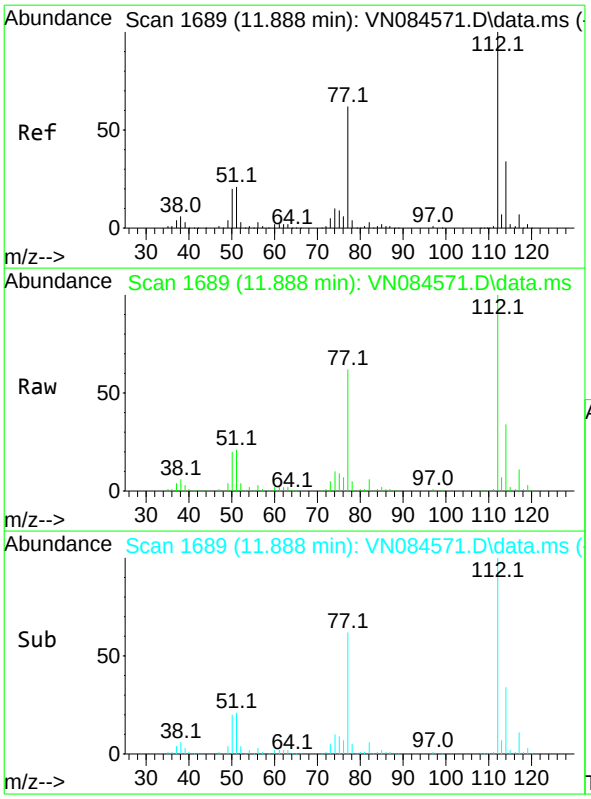


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

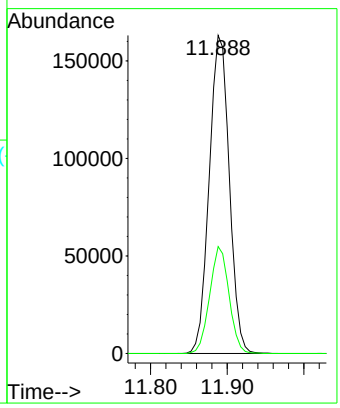




#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:112 Resp: 296199

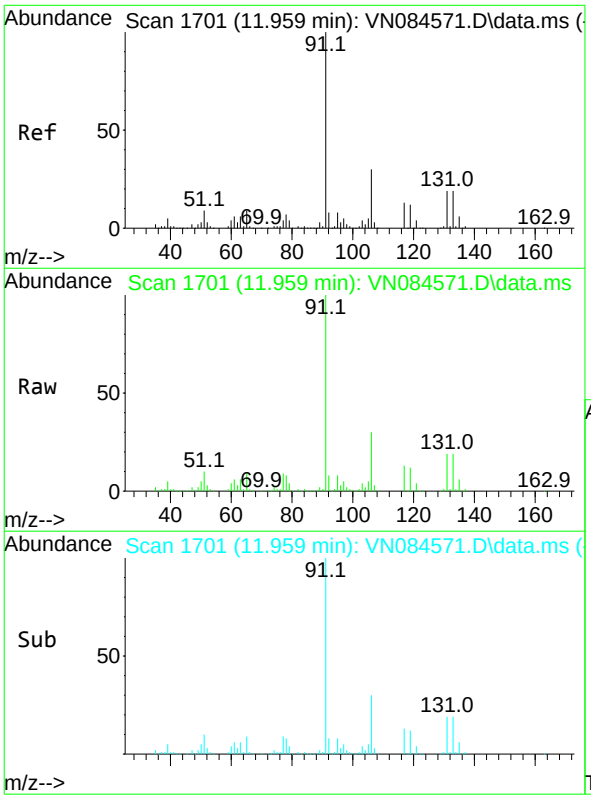
Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

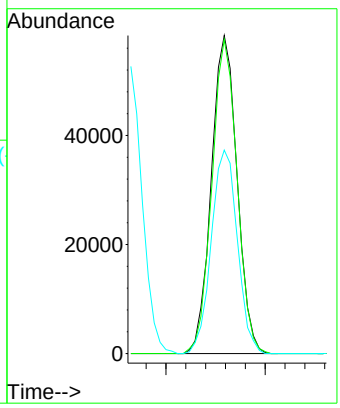
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

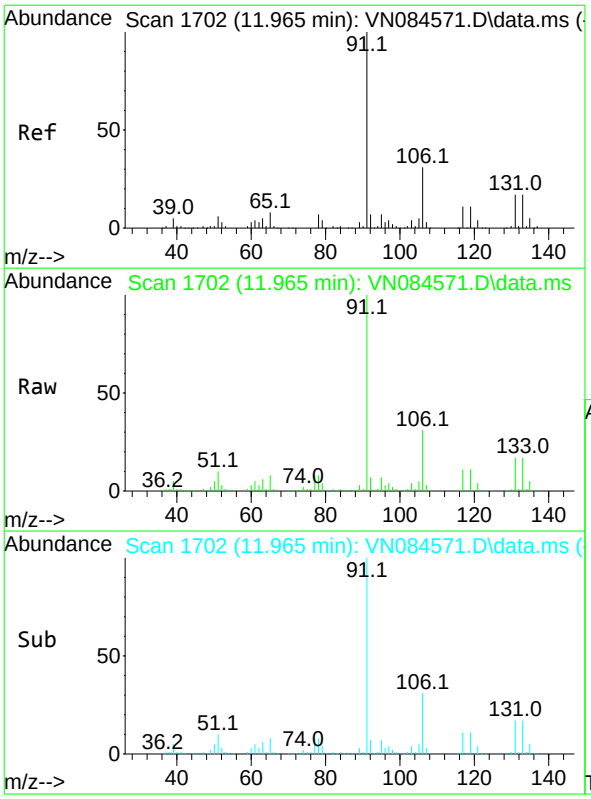


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

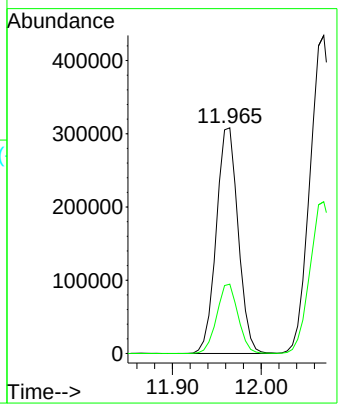




#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 528107

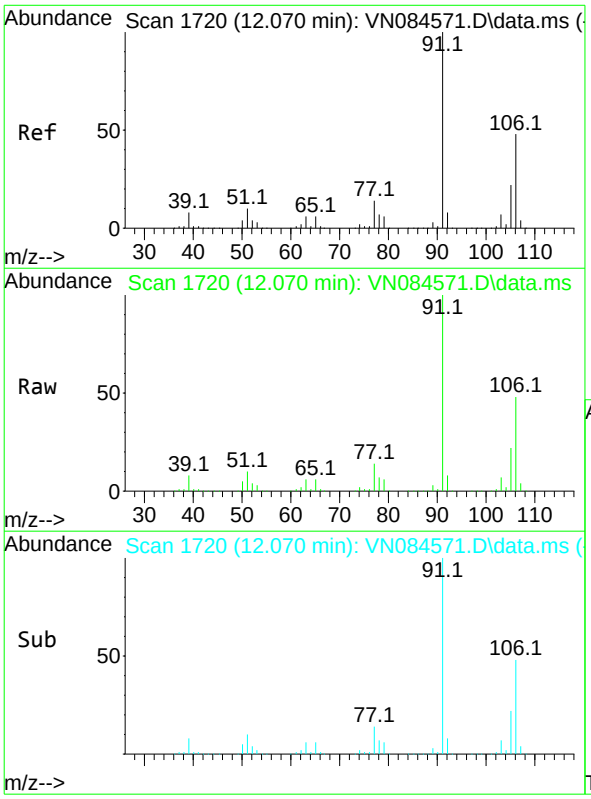
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

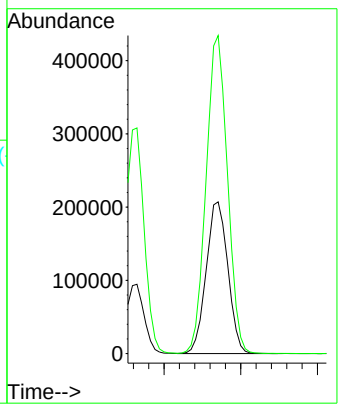
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

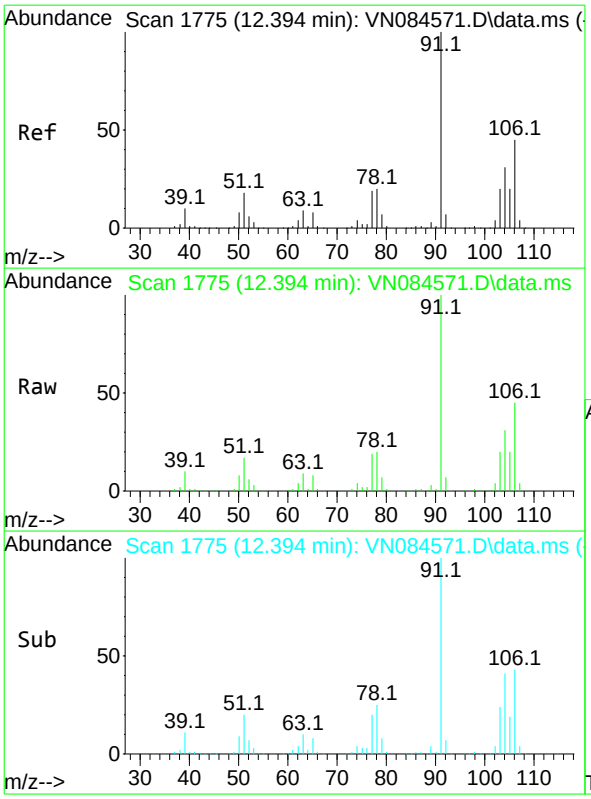


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

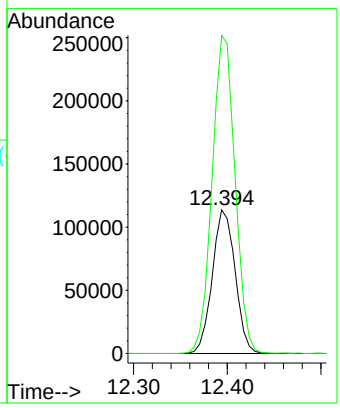
Tgt Ion:106 Resp: 192710

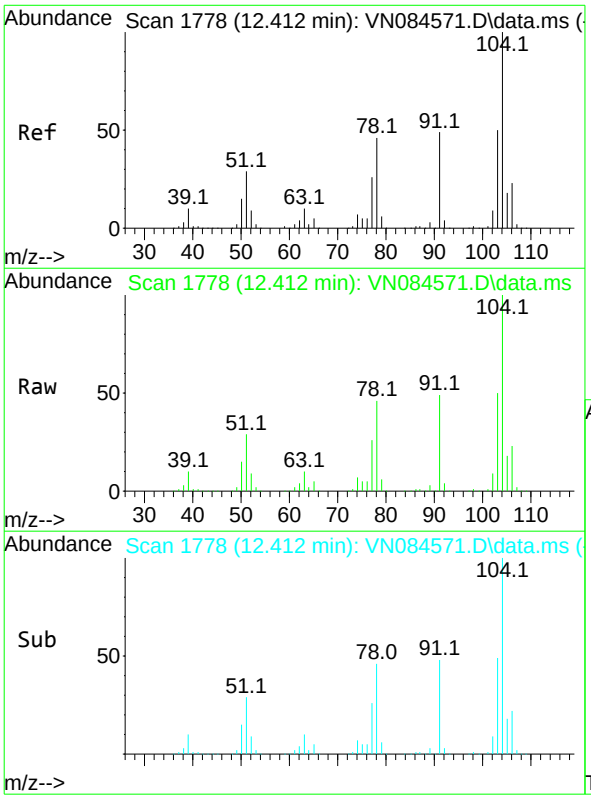
Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

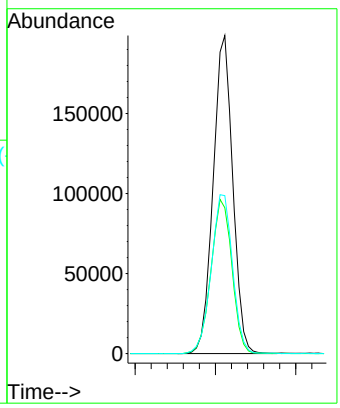


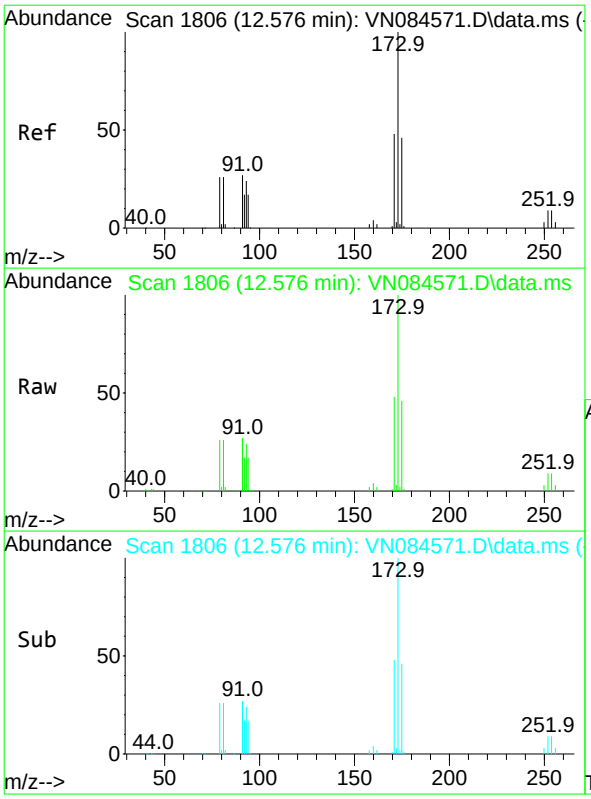


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

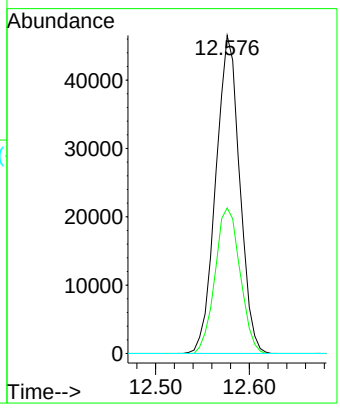




#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:173 Resp: 82245

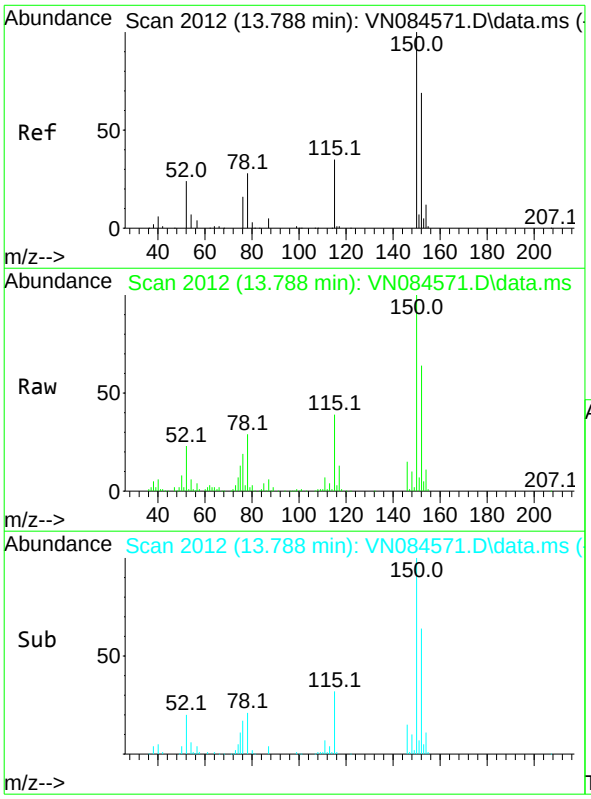
Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

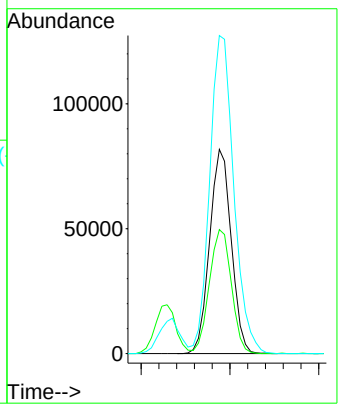
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

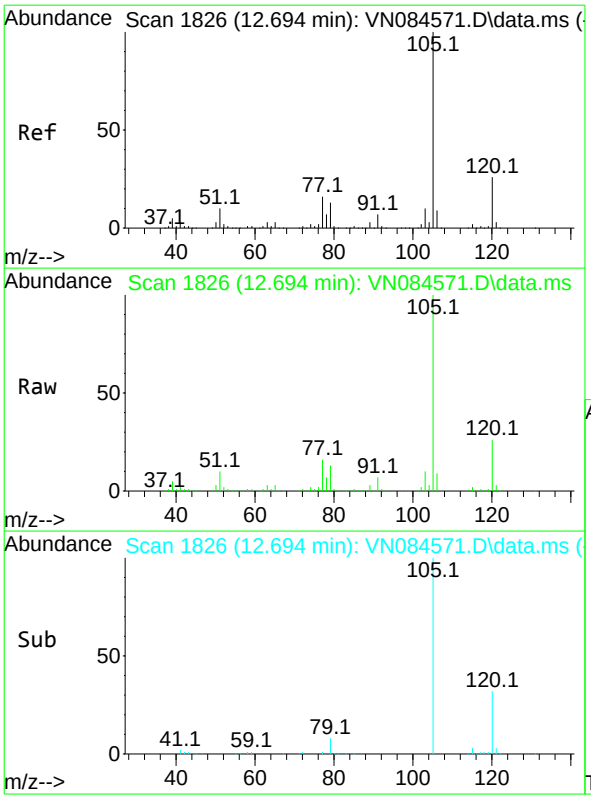


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

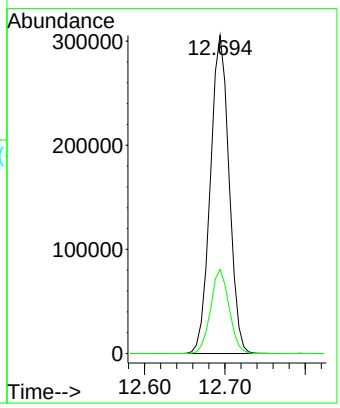




#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 493742

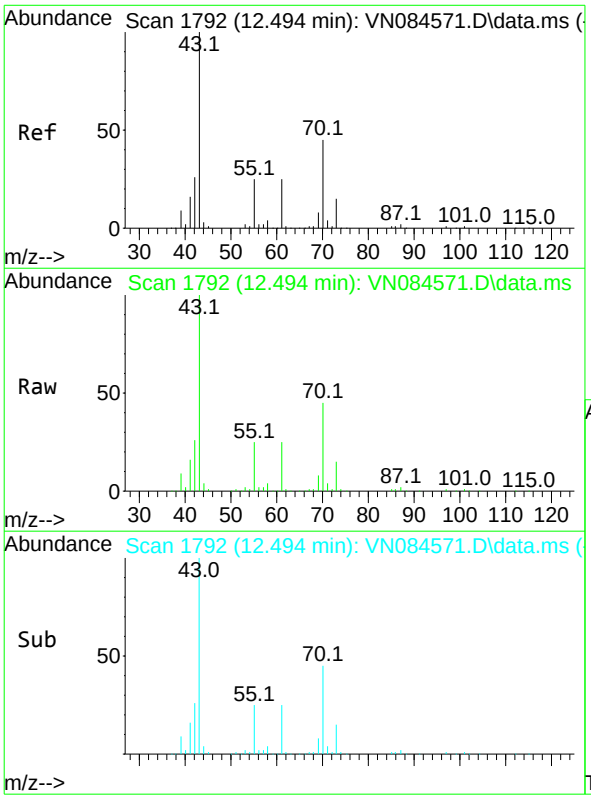
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

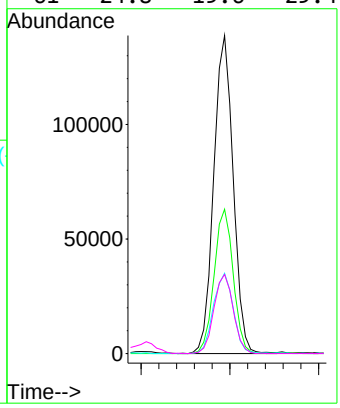
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

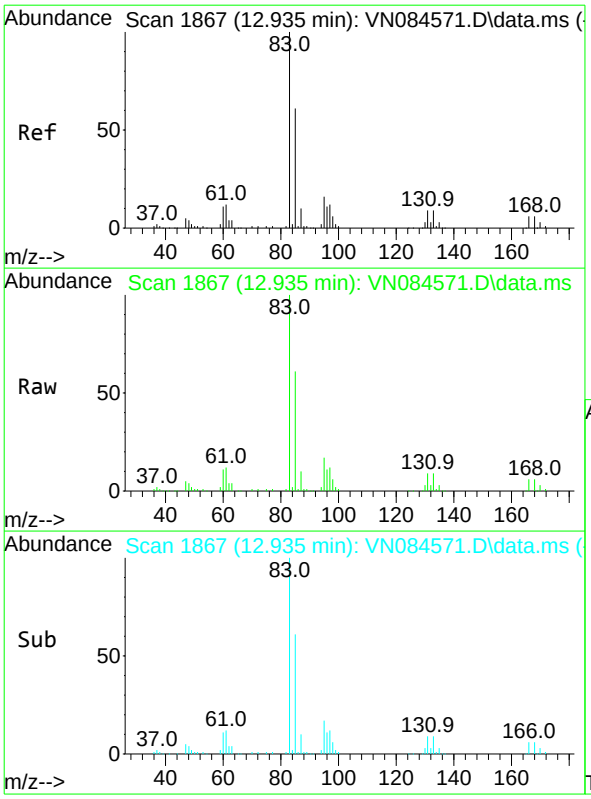


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

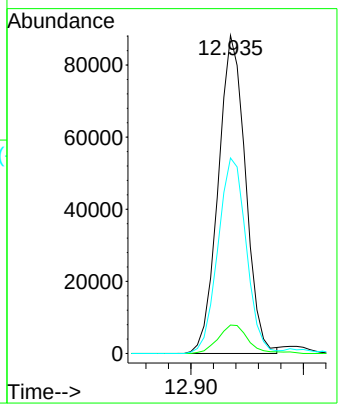




#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 148441

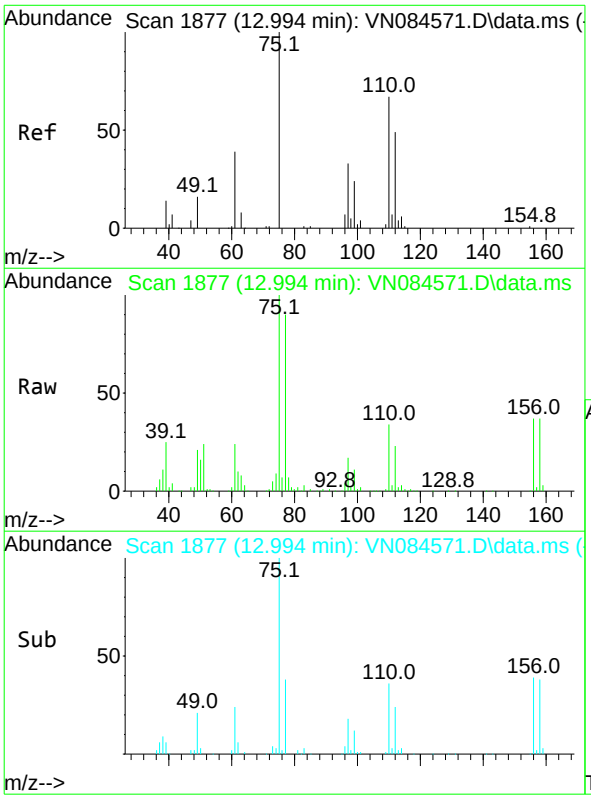
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	63.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

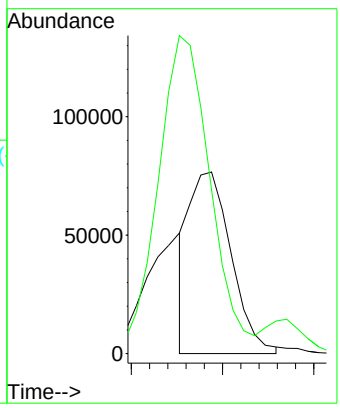
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

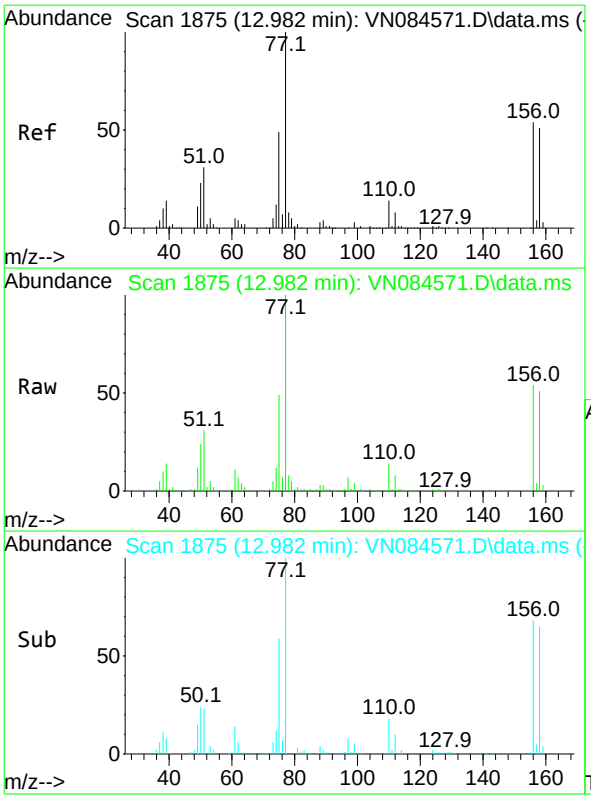


#76
1,2,3-Trichloropropane
Concen: 44.939 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 122649

Ion	Ratio	Lower	Upper
75	100		
77	217.7	96.9	290.7

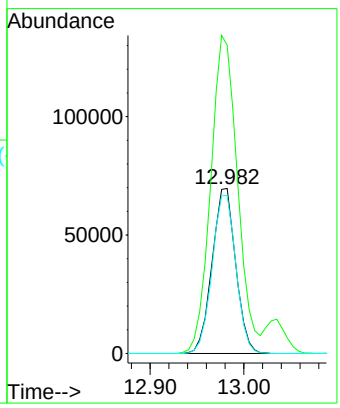




#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:156 Resp: 122062

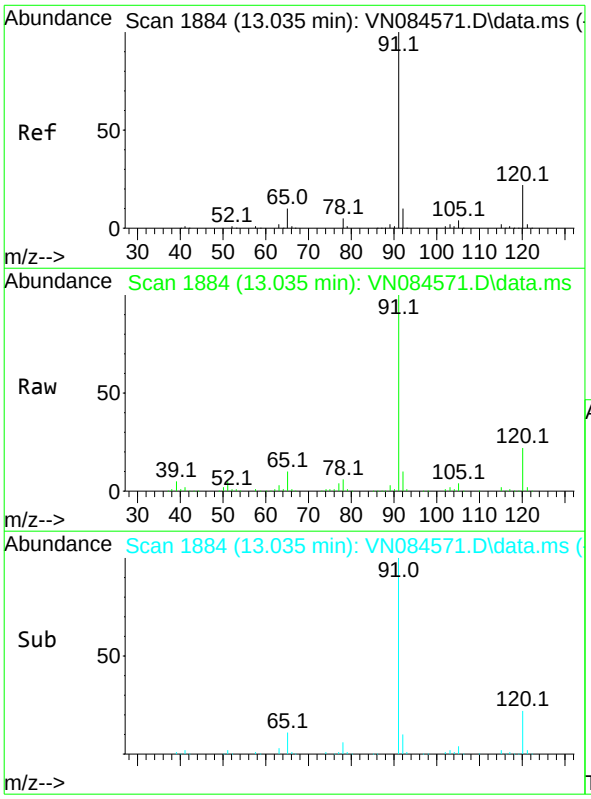
Ion	Ratio	Lower	Upper
156	100		
77	218.7	115.1	345.3
158	96.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

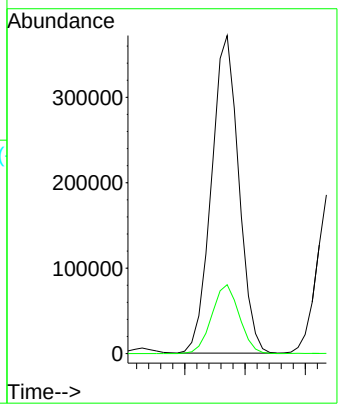
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

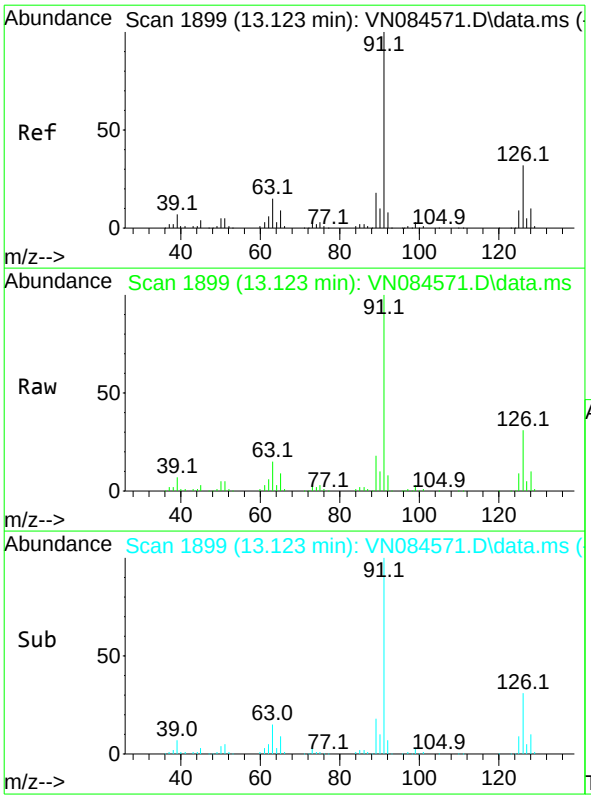


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4

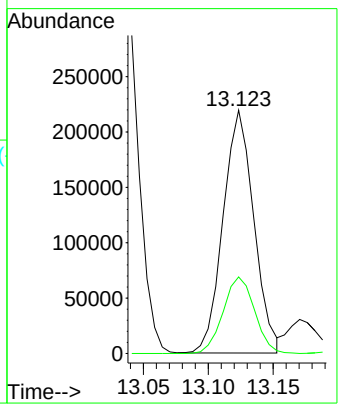




#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362526

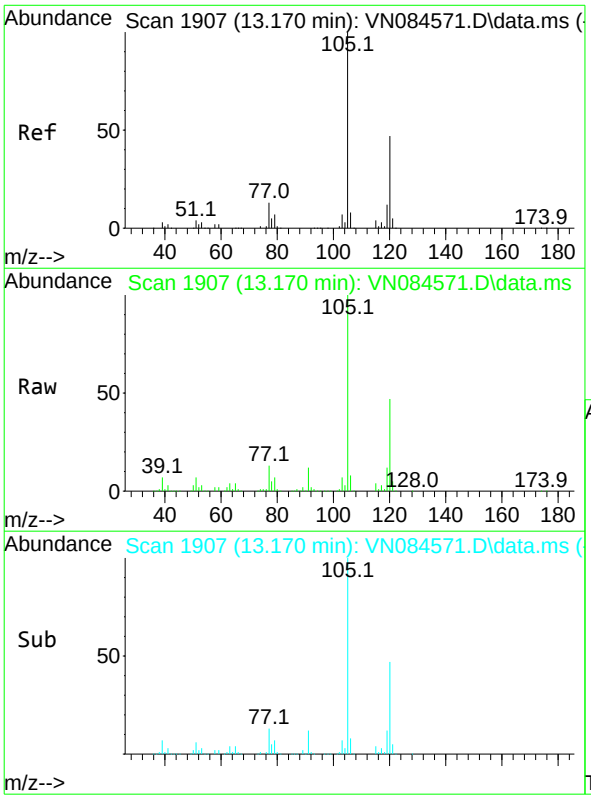
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

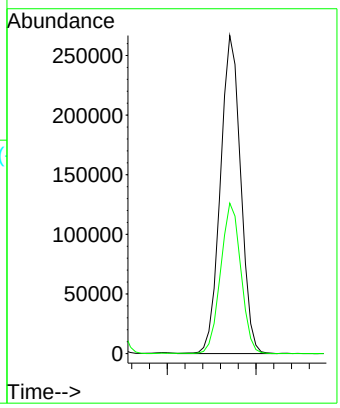
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

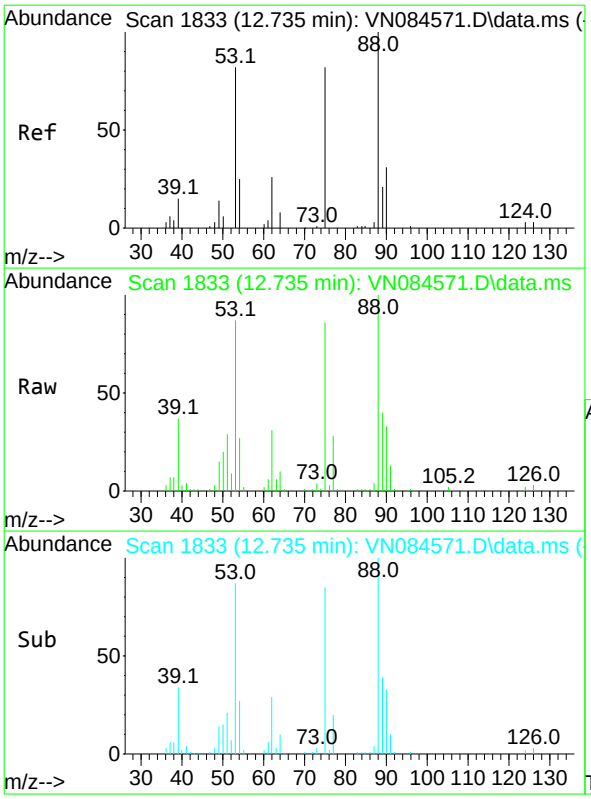


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

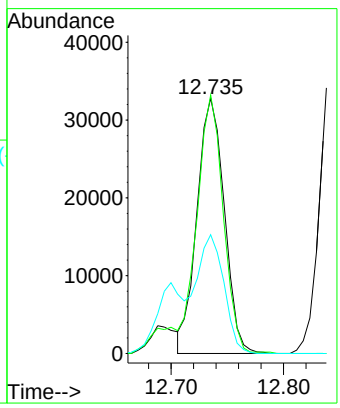
Tgt Ion: 75 Resp: 55485

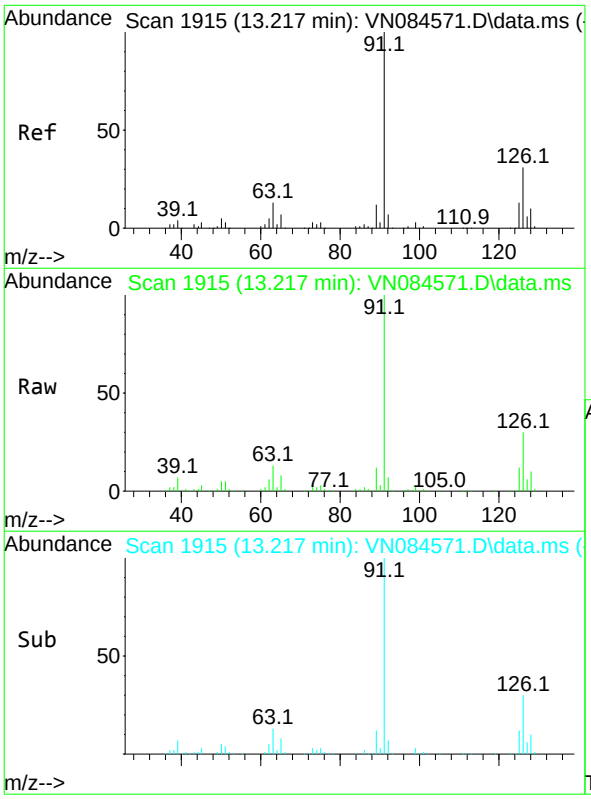
Ion	Ratio	Lower	Upper
75	100		
53	107.3	78.0	117.0
89	47.3	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

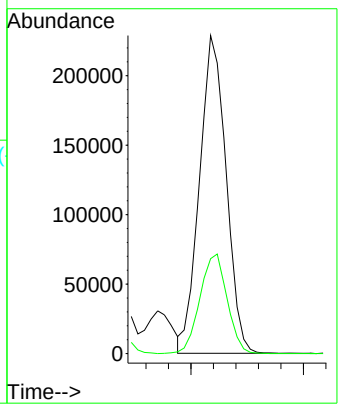


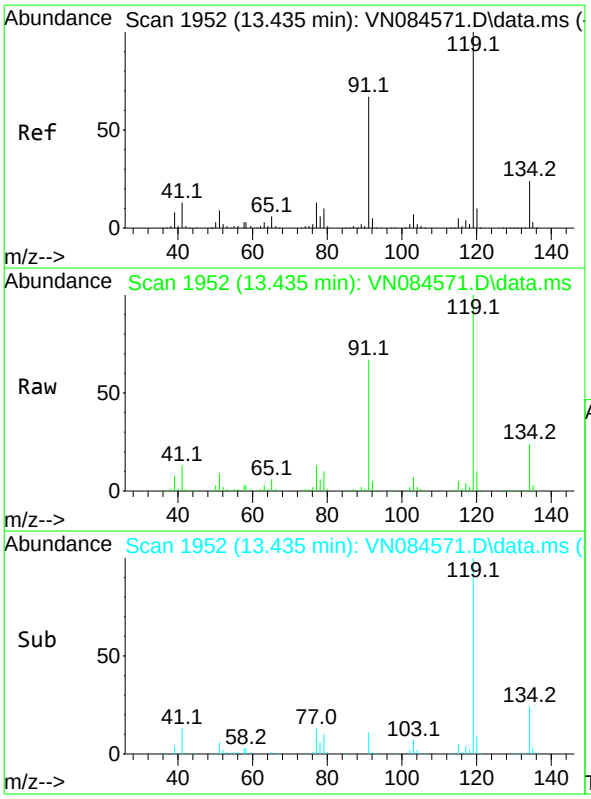


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

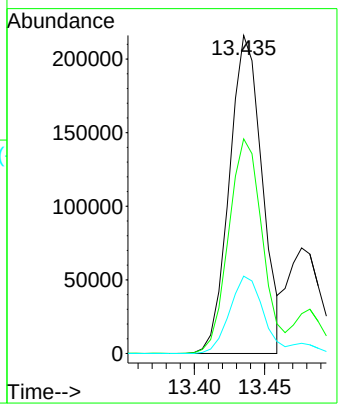




#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:119 Resp: 350031

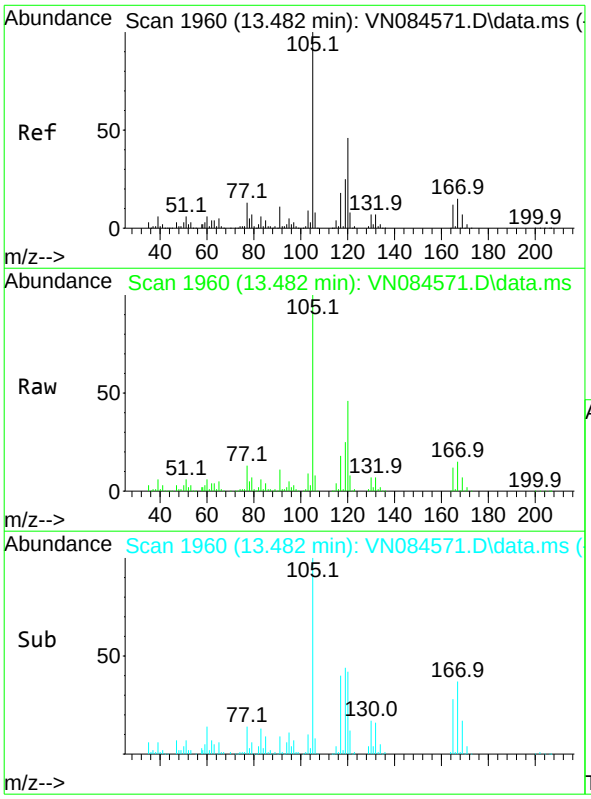
Ion	Ratio	Lower	Upper
119	100		
91	69.8	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

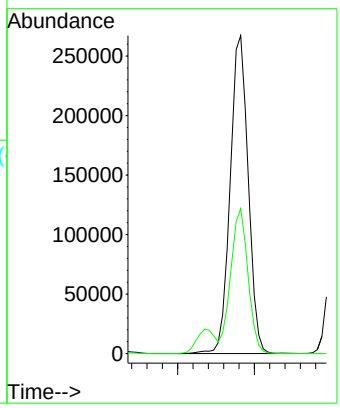
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

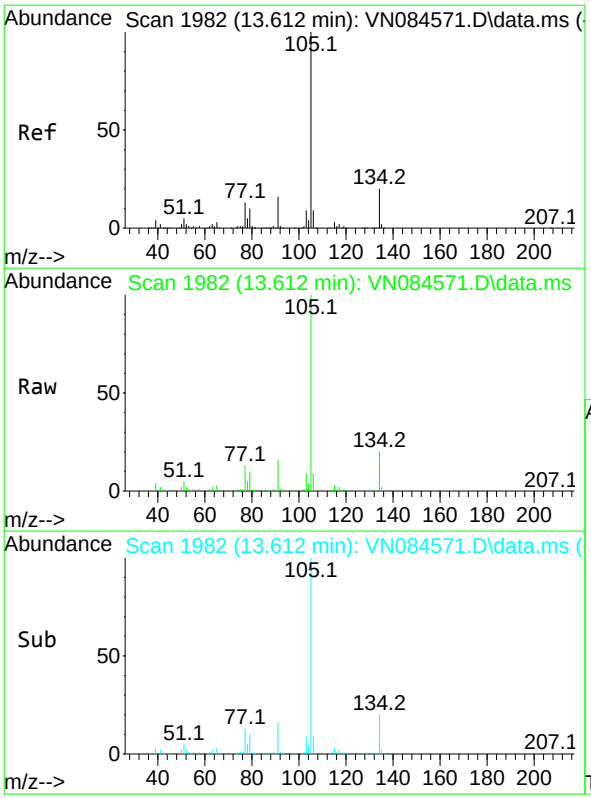


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8

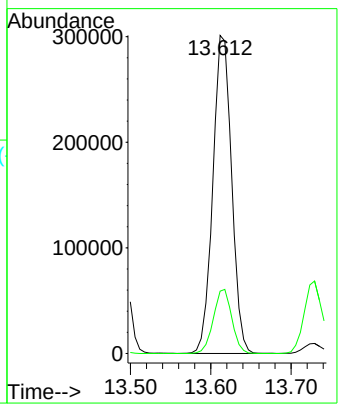




#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 489305

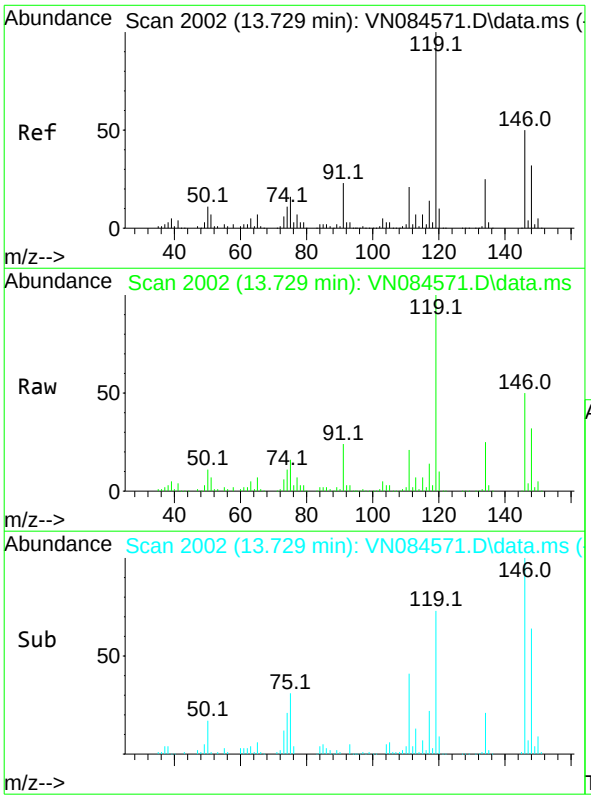
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

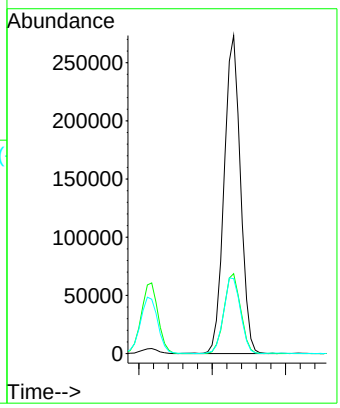
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

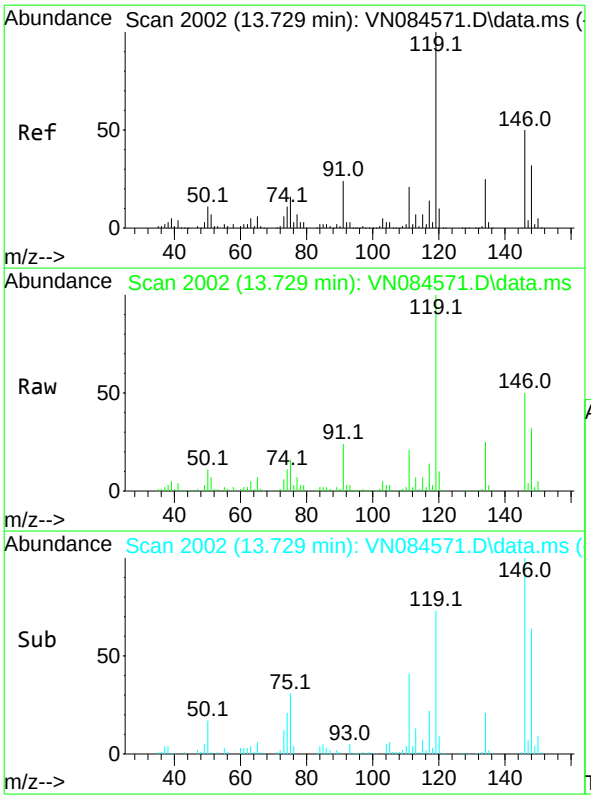


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

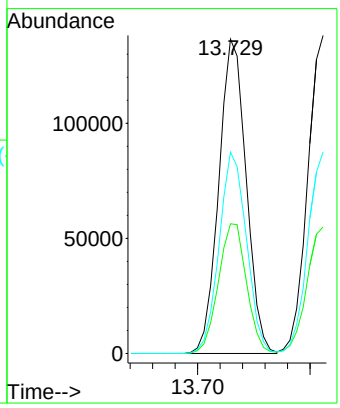




#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 230686

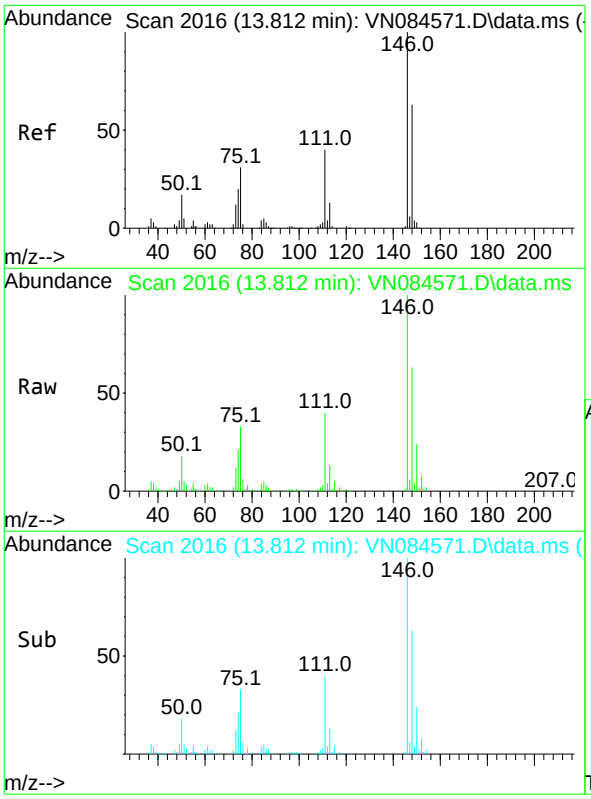
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	64.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

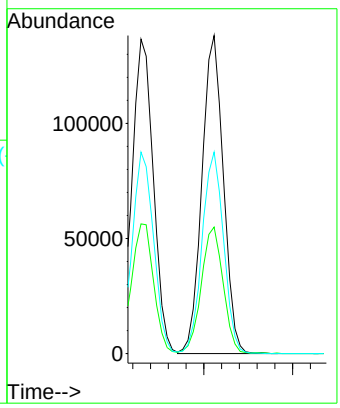
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

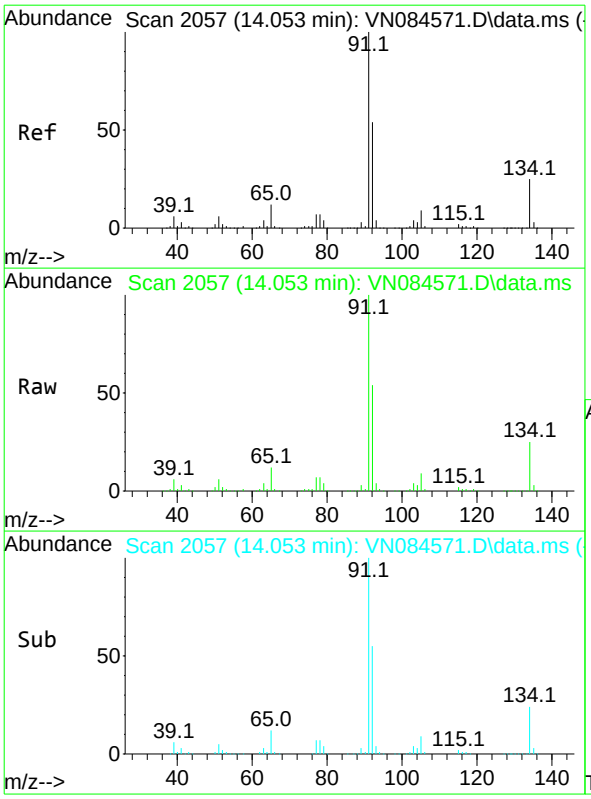


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

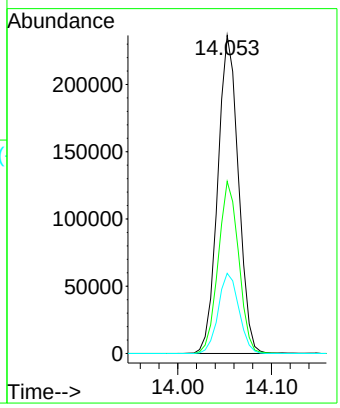




#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 362215

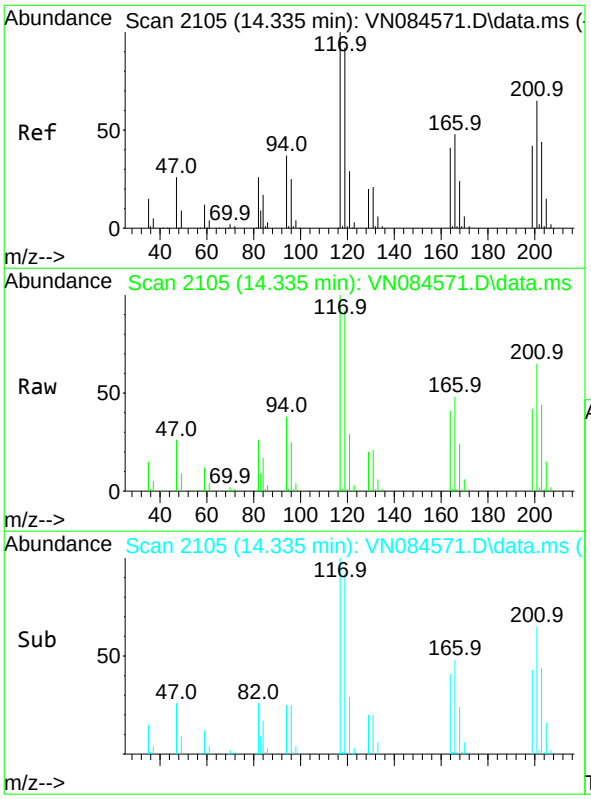
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	25.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

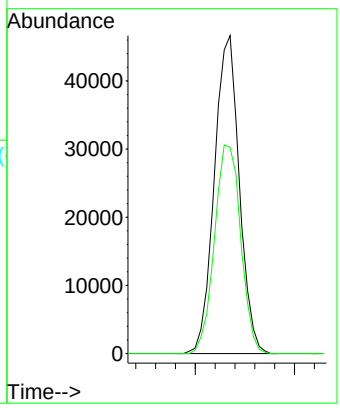
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

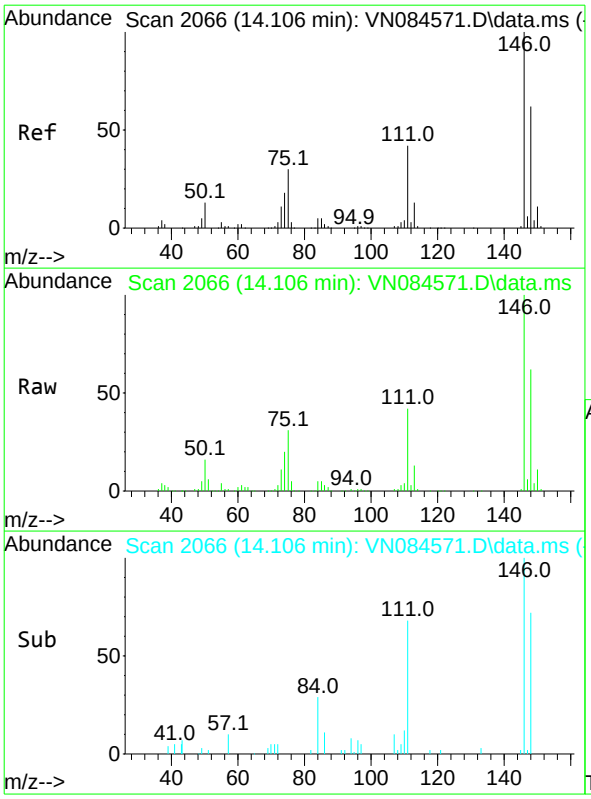


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2

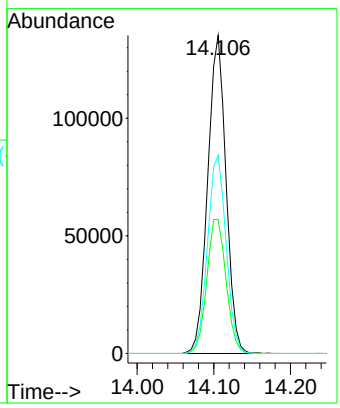




#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:146 Resp: 223772

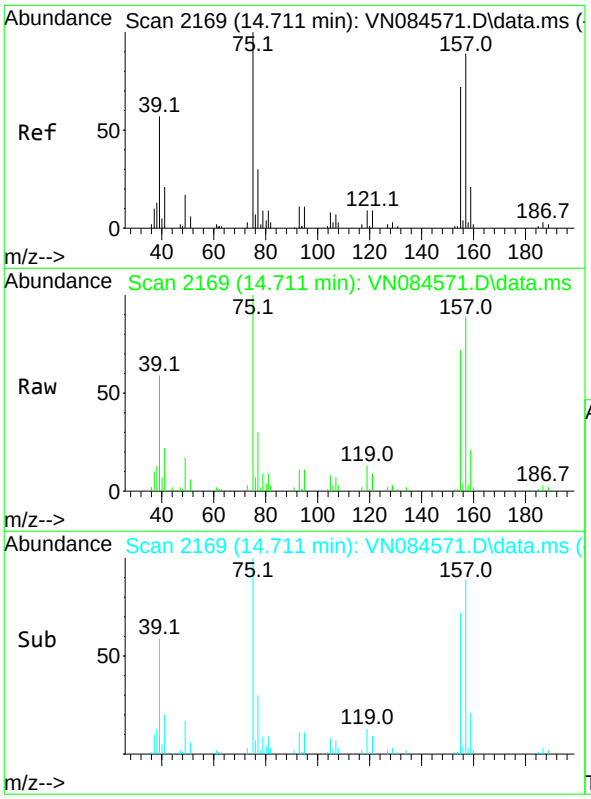
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.0	66.0
148	63.7	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

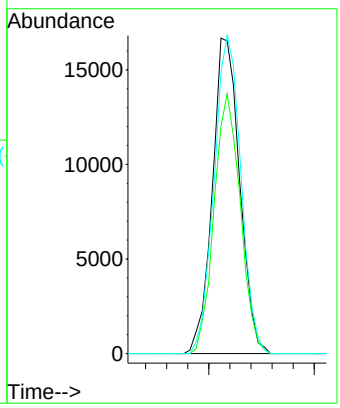
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

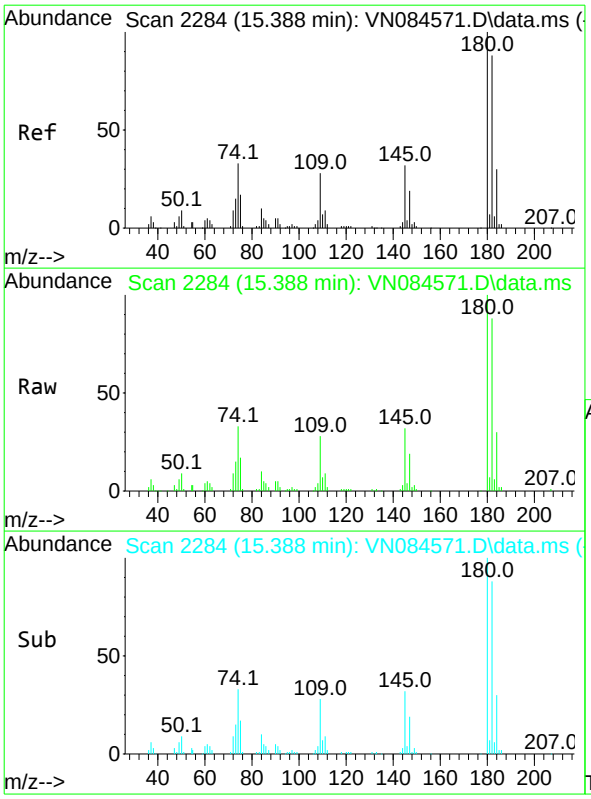


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

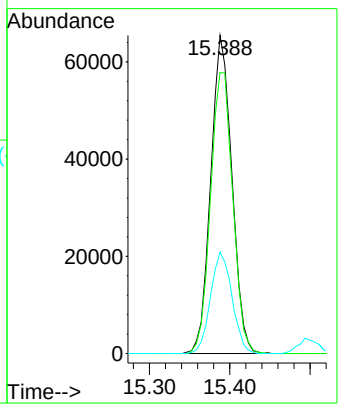




#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:180 Resp: 119579

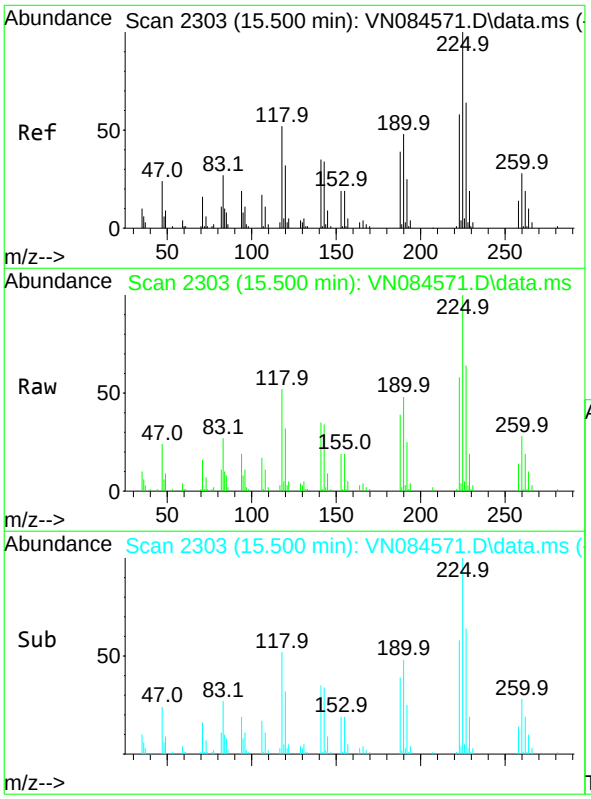
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	32.4	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

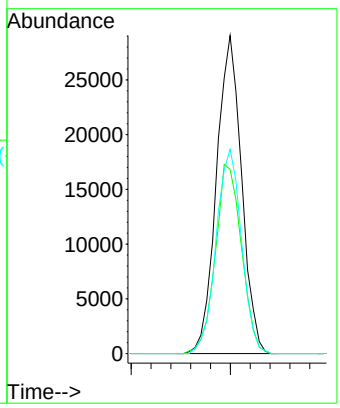
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

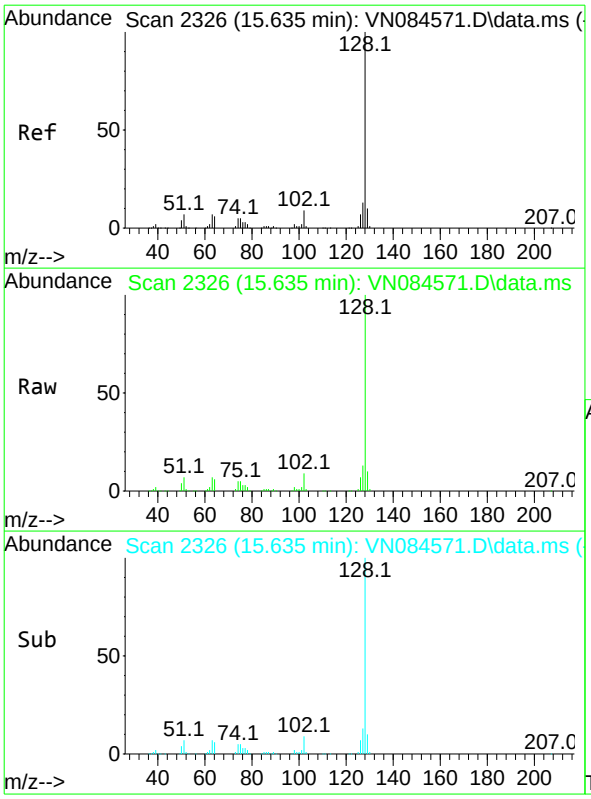


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

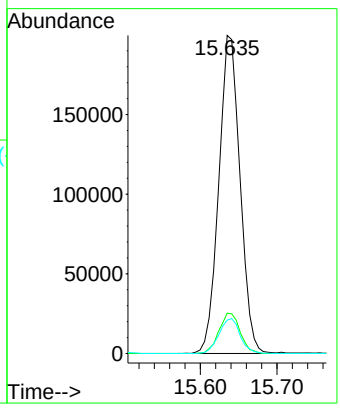




#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:128 Resp: 384553

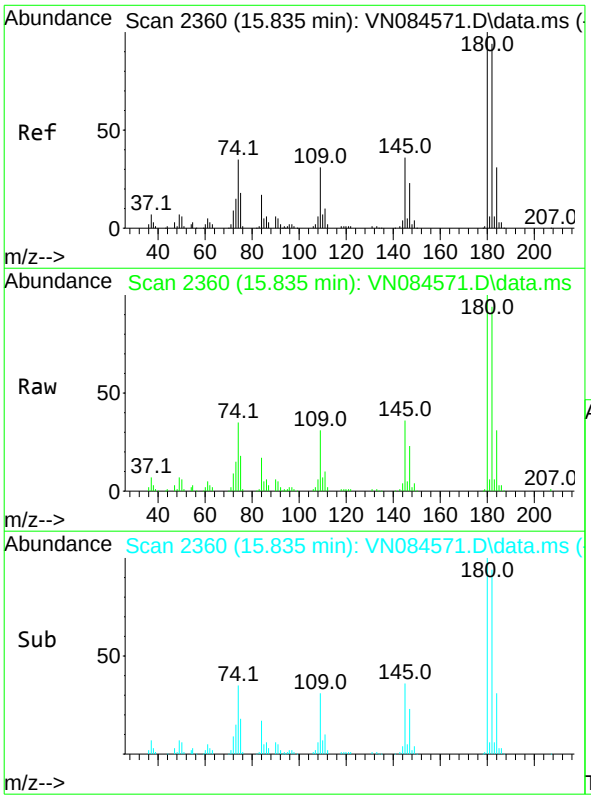
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	10.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

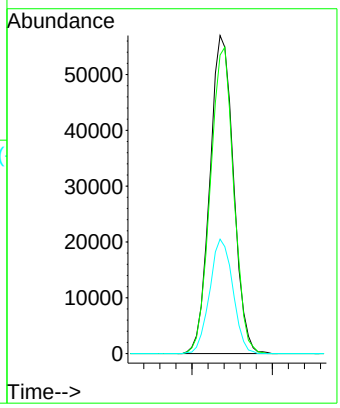
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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



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

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

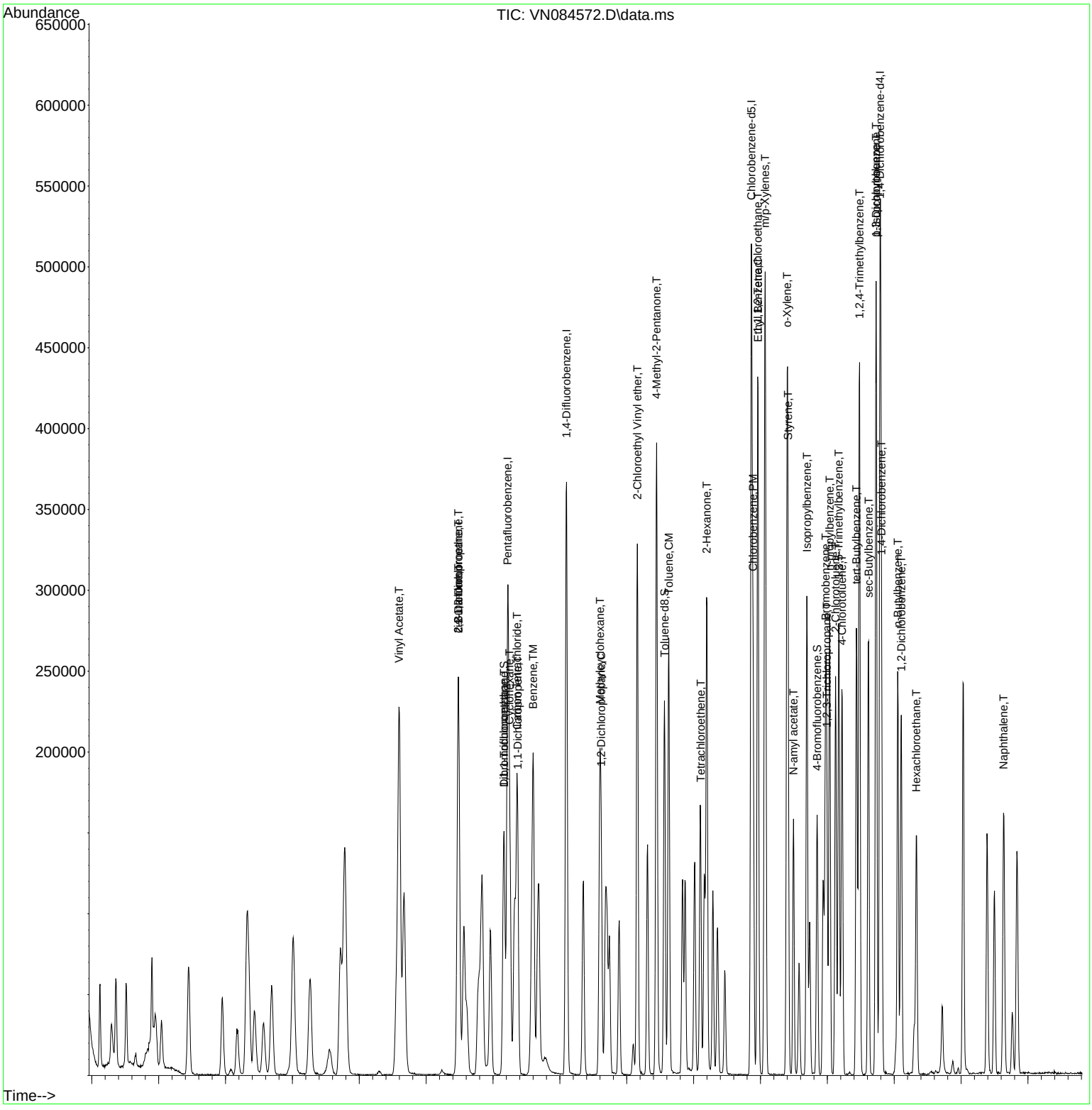
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

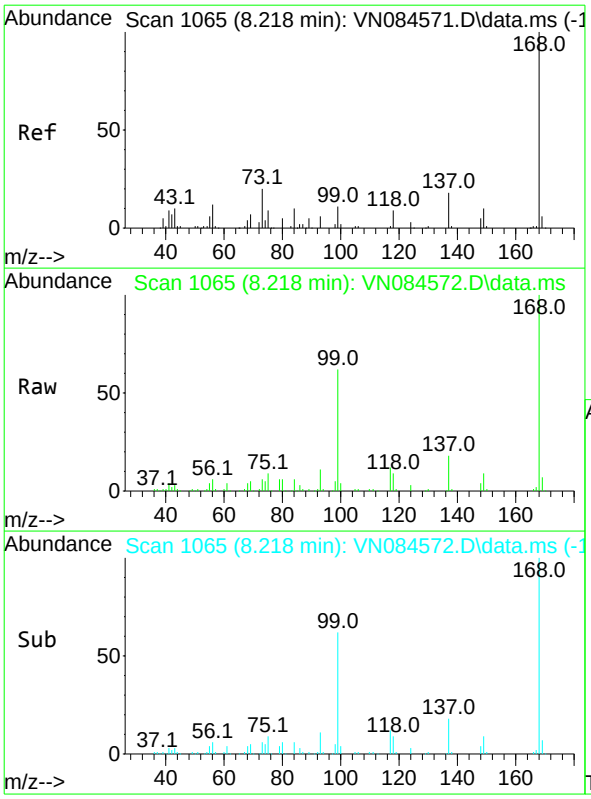
Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

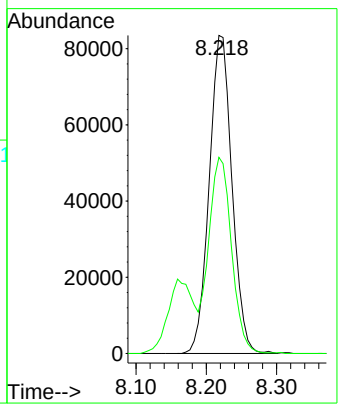




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:168 Resp: 187576

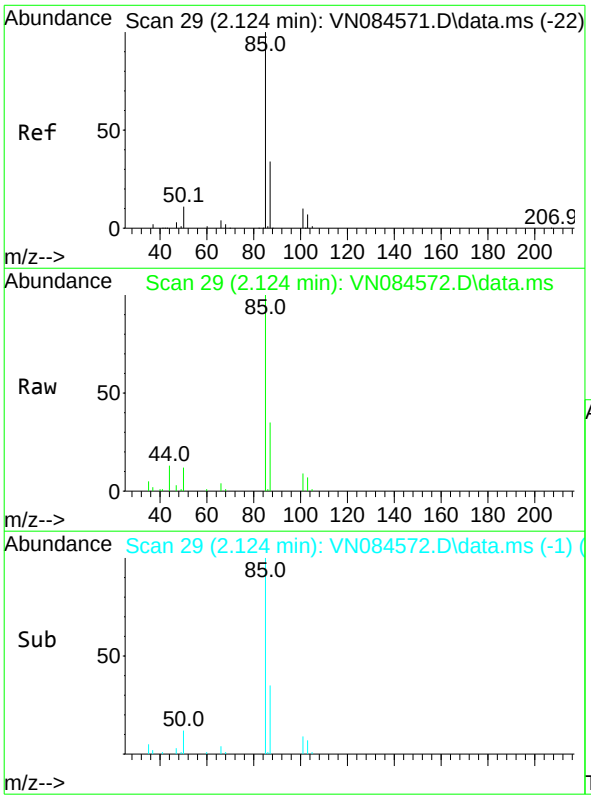
Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

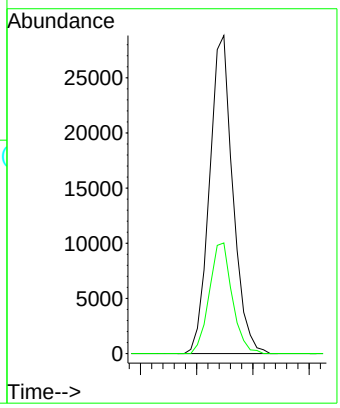
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

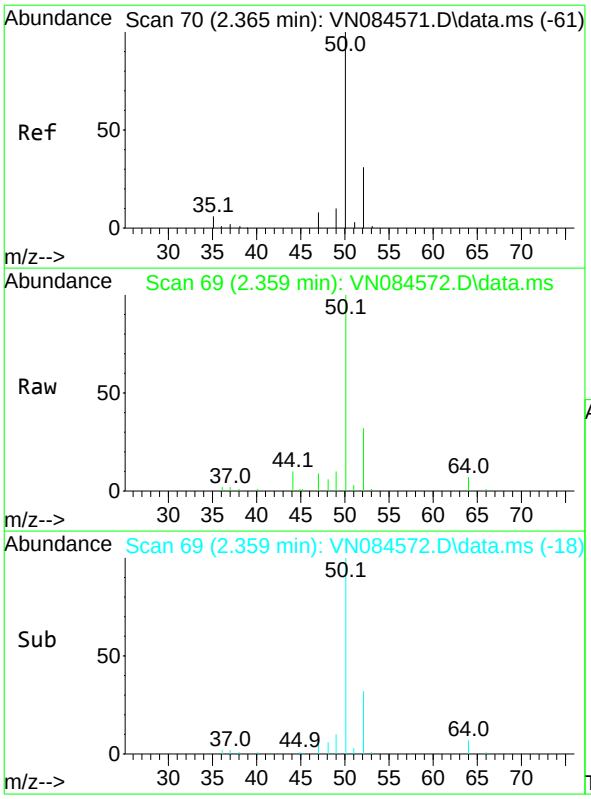


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9

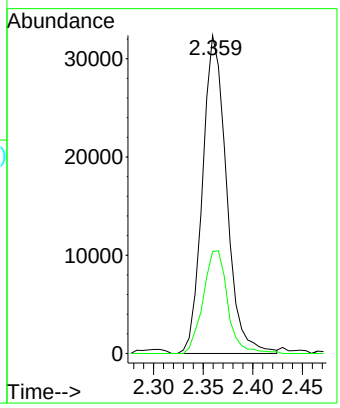




#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 50 Resp: 54414

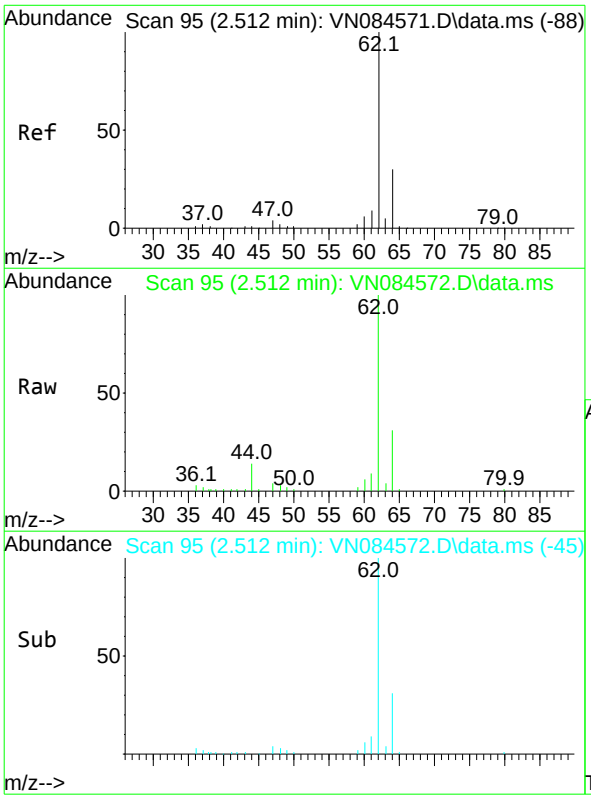
Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

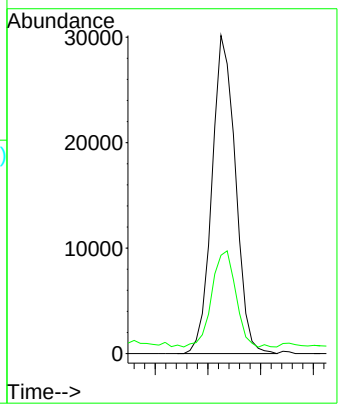
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

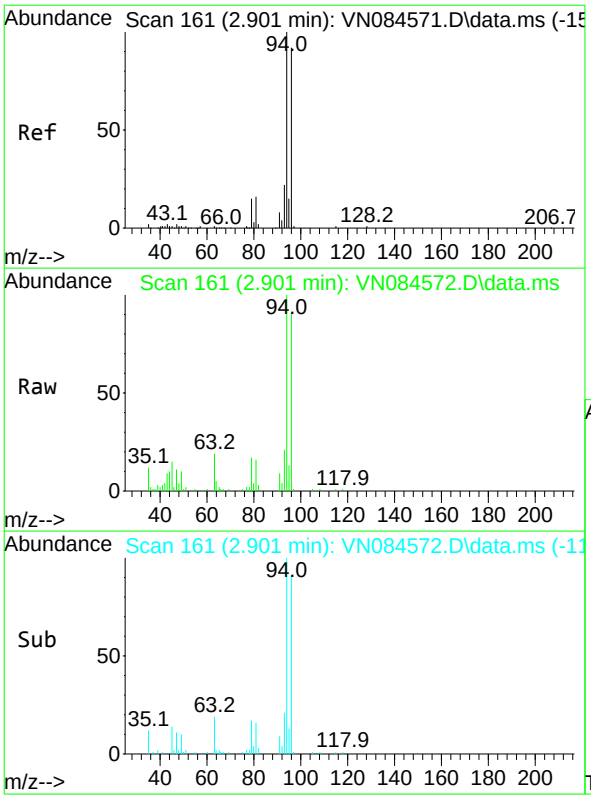


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4

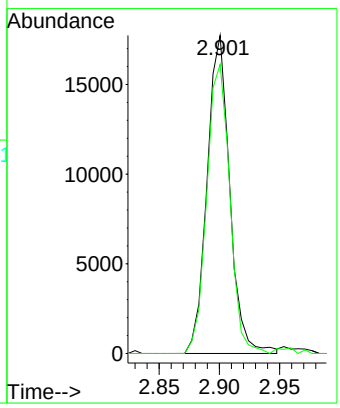




#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 94 Resp: 23244

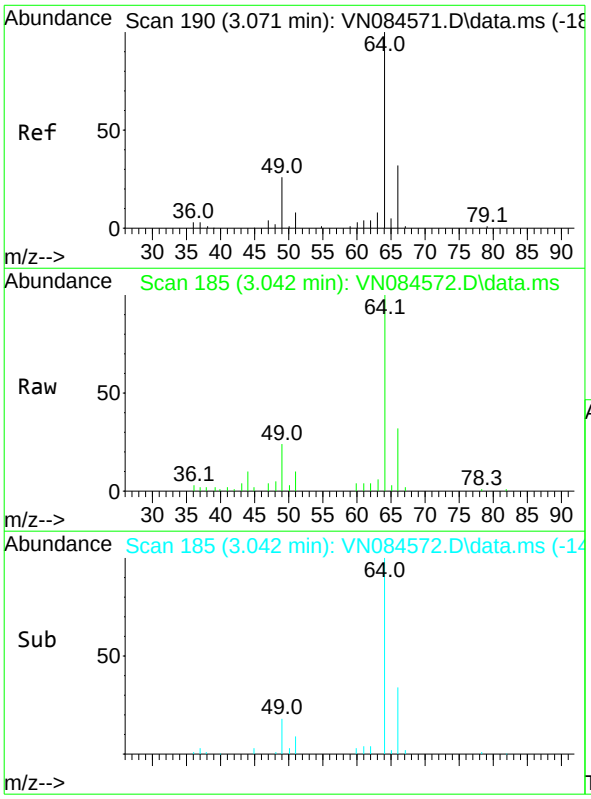
Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

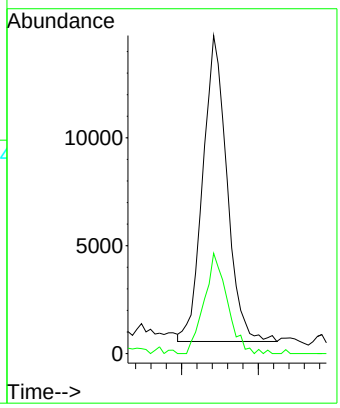
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

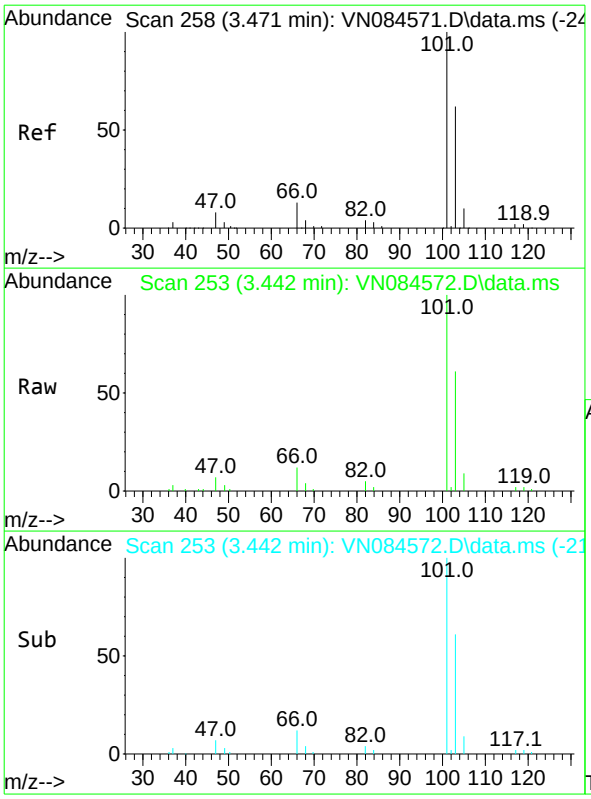


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3

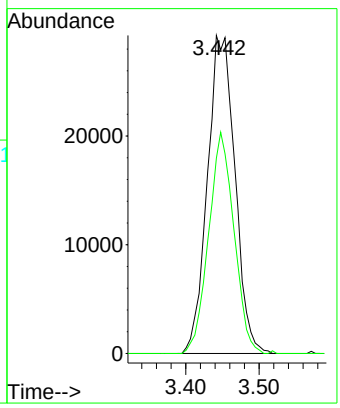




#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 25
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 76339

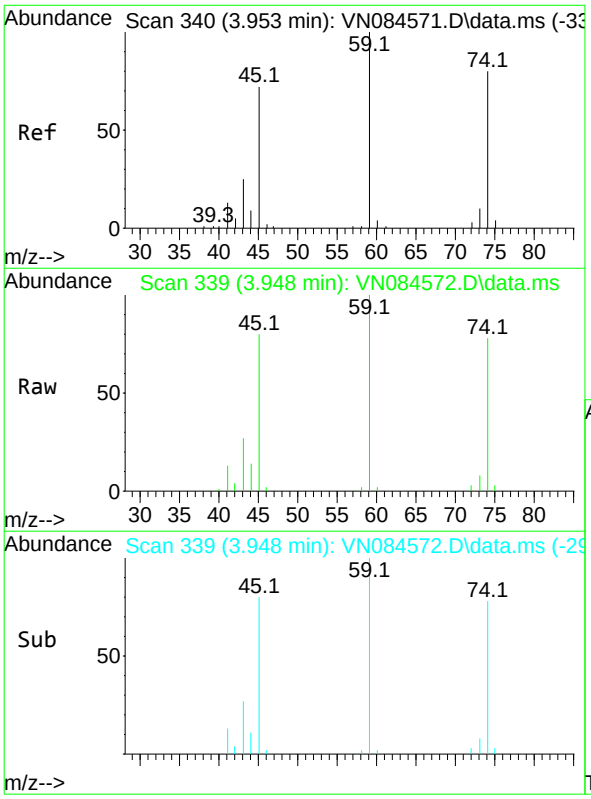
Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

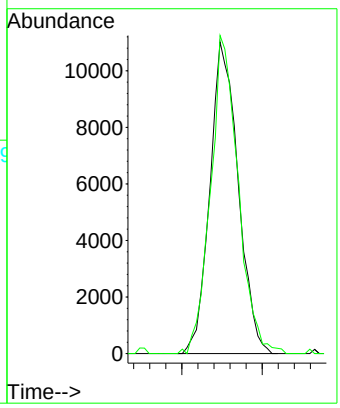
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

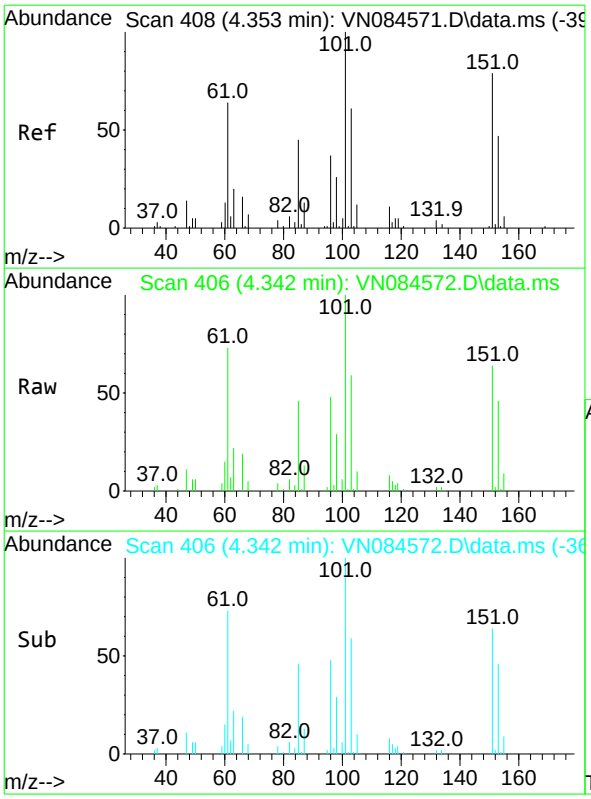


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1

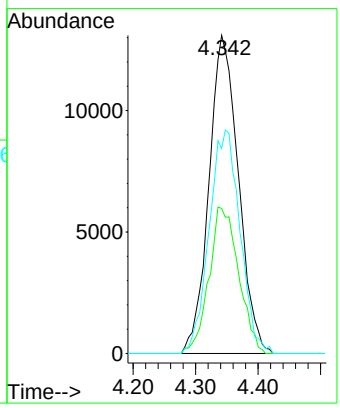




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 40
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:101 Resp: 42830

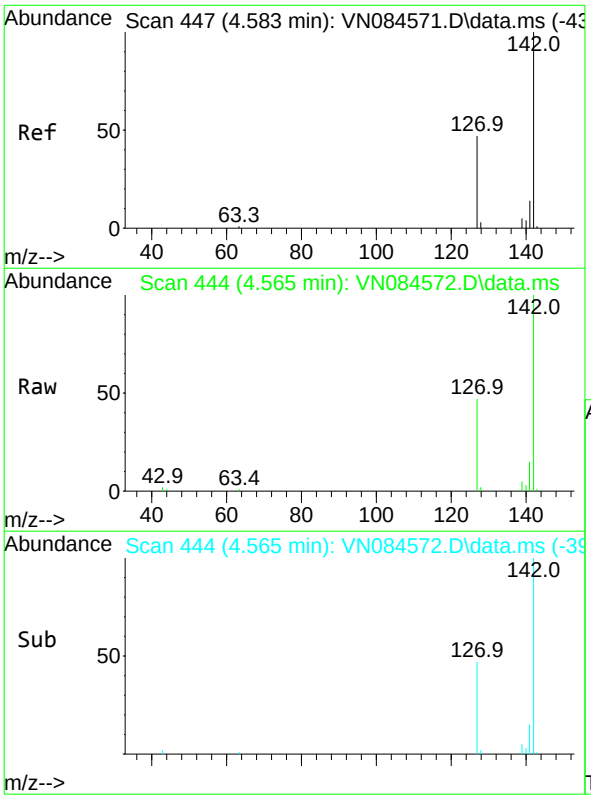
Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.2	54.4
151	73.6	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

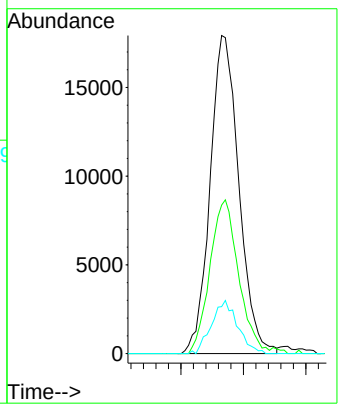
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

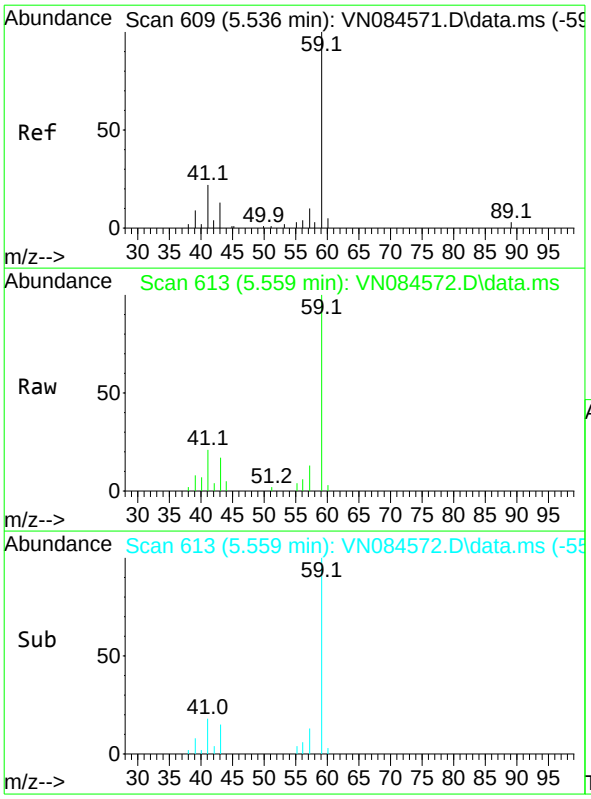


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

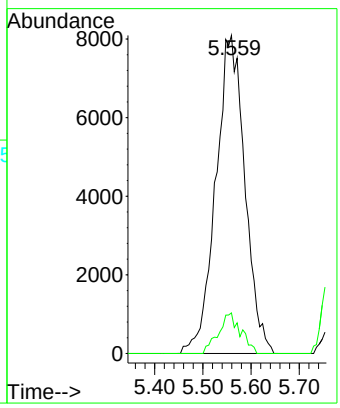




#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 59 Resp: 33927

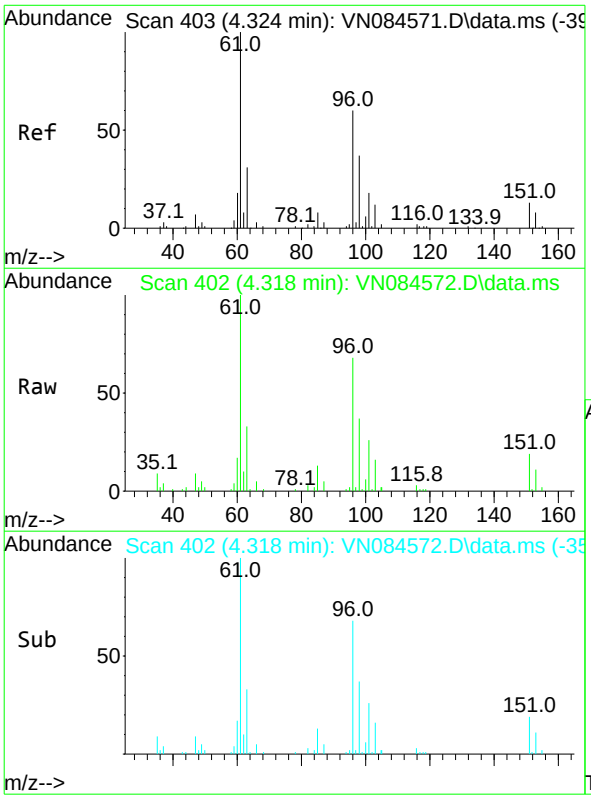
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

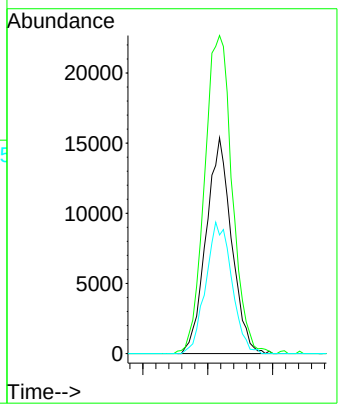
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

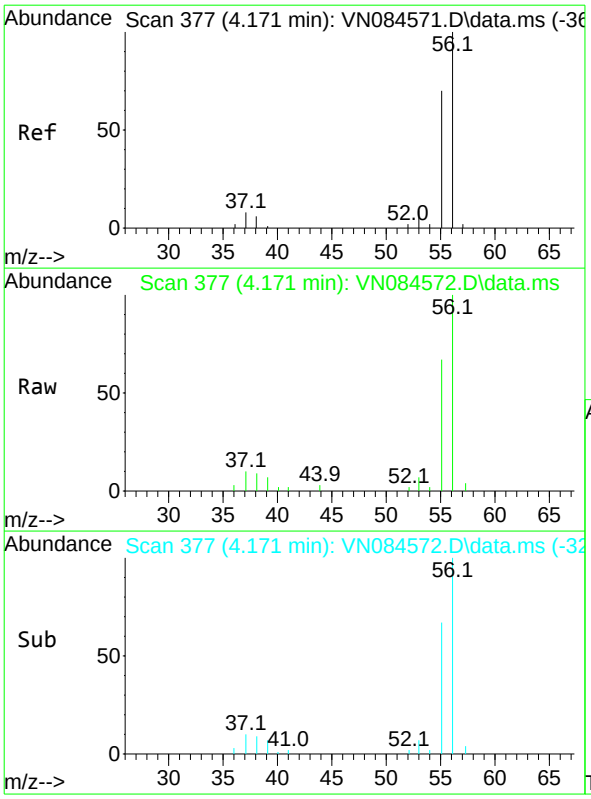


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

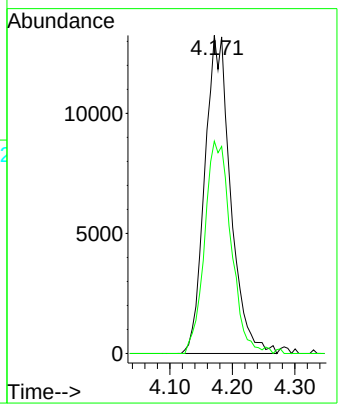




#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 38007

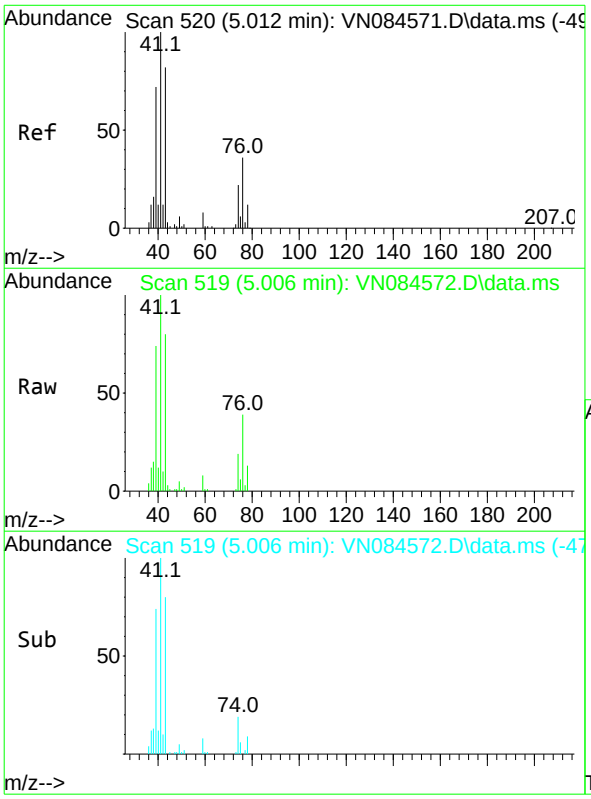
Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

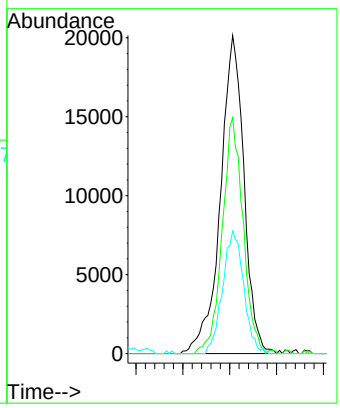
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

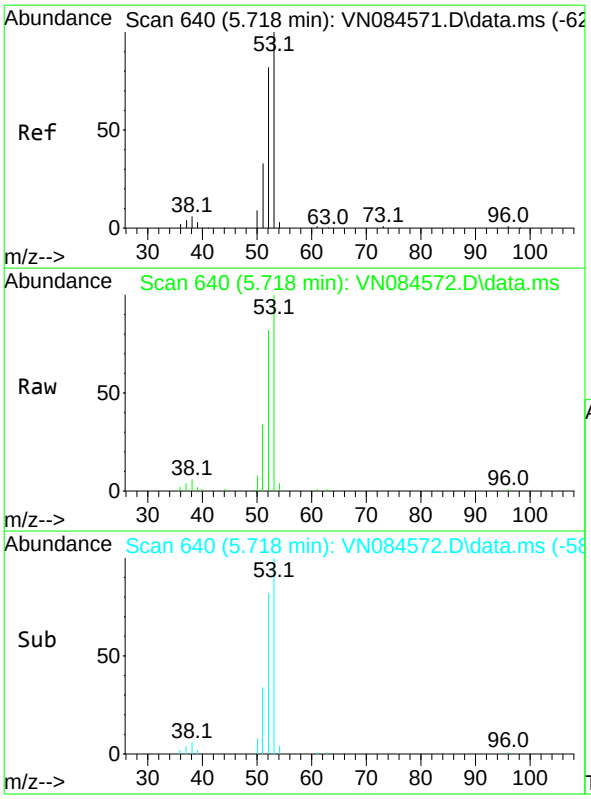


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

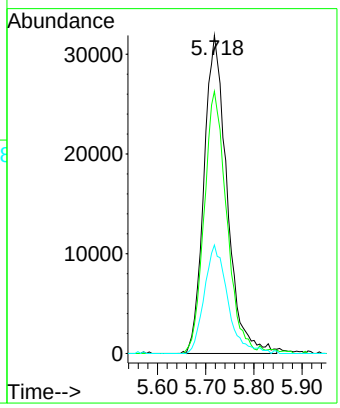




#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 53 Resp: 105912

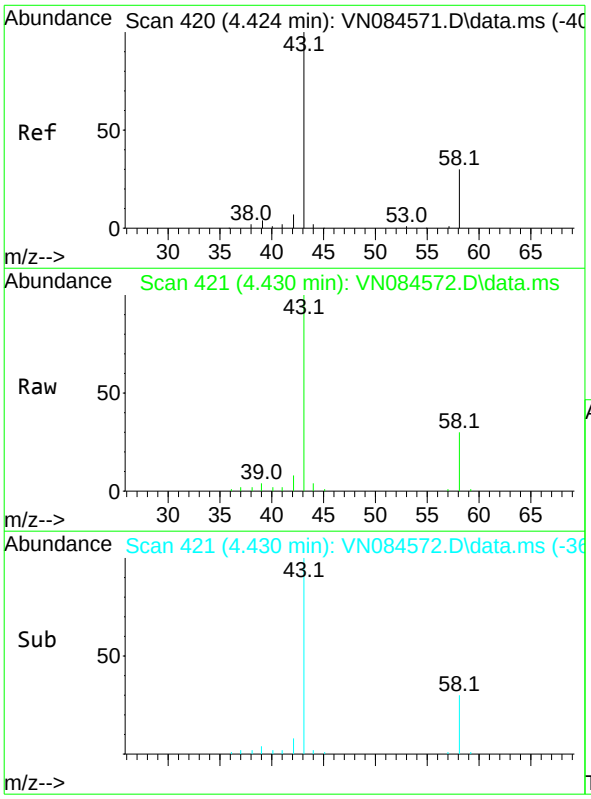
Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.2	99.4
51	34.7	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

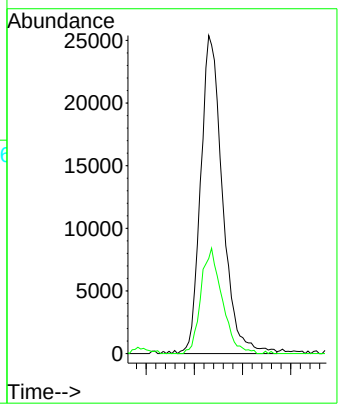
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

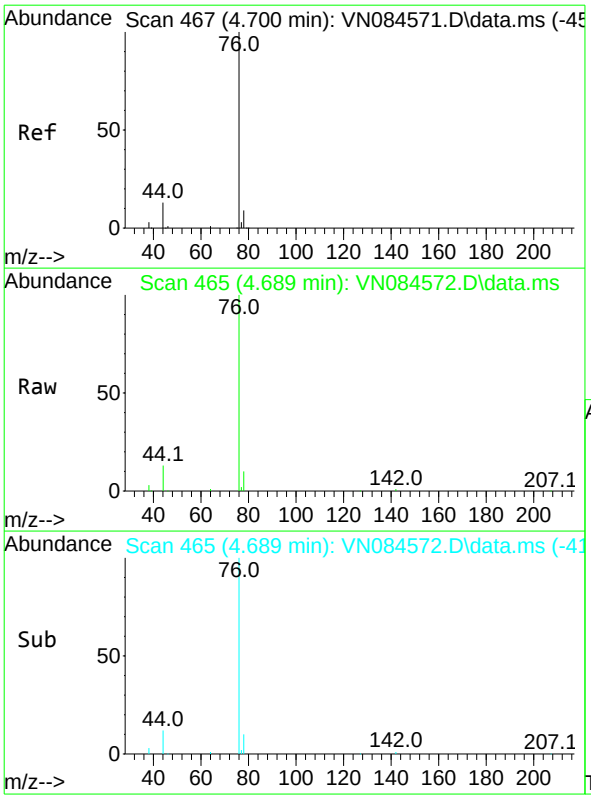


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6

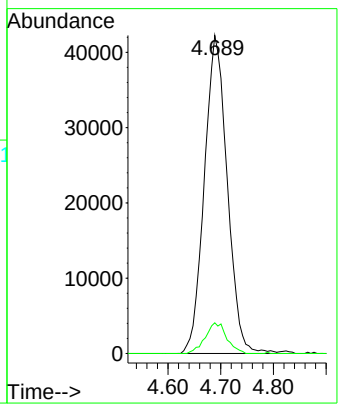




#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 46
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 127521

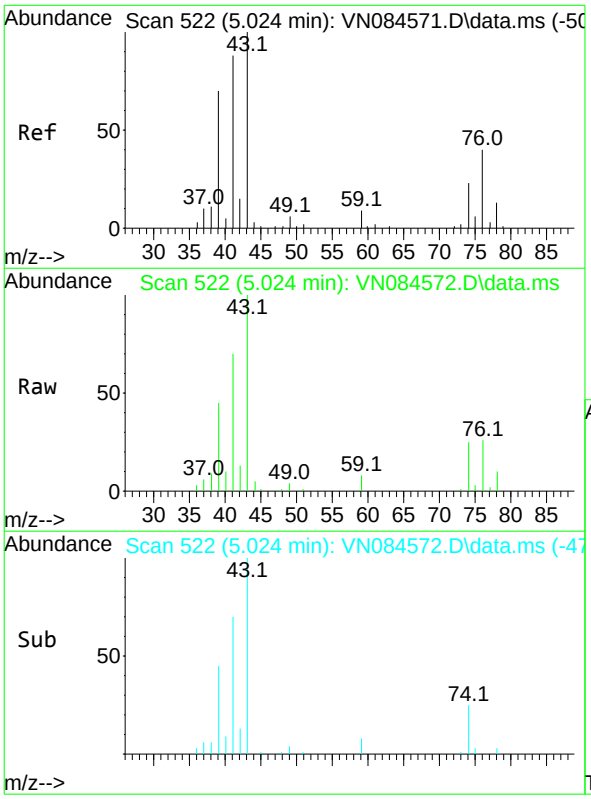
Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

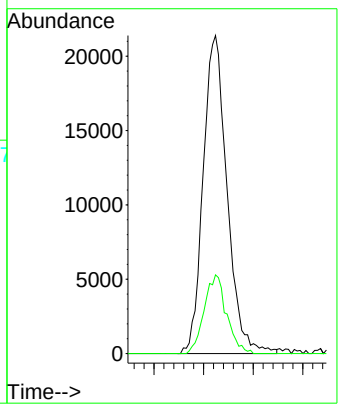
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

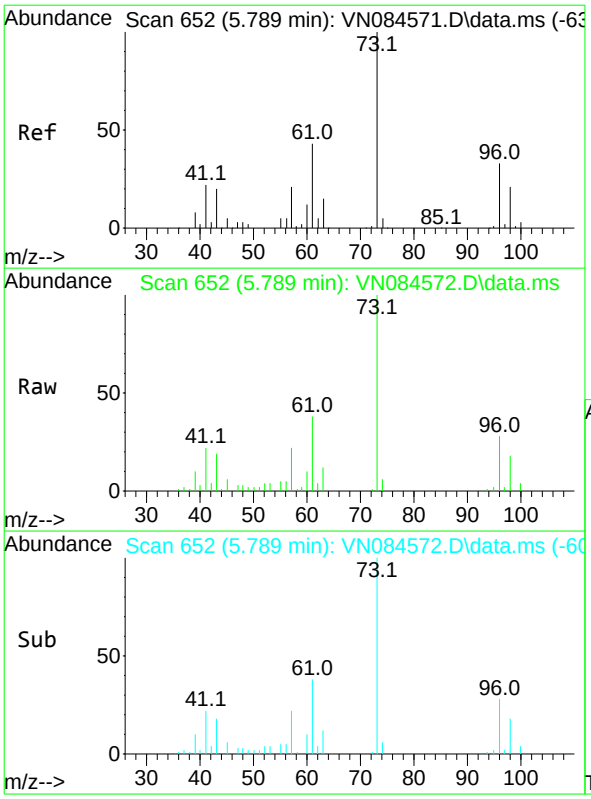


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8

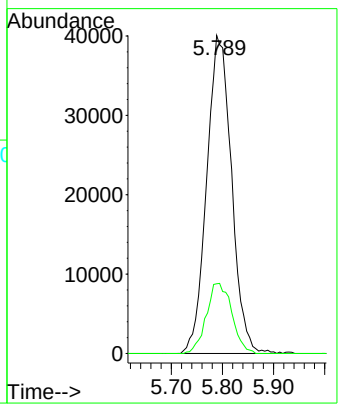




#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 73 Resp: 135170

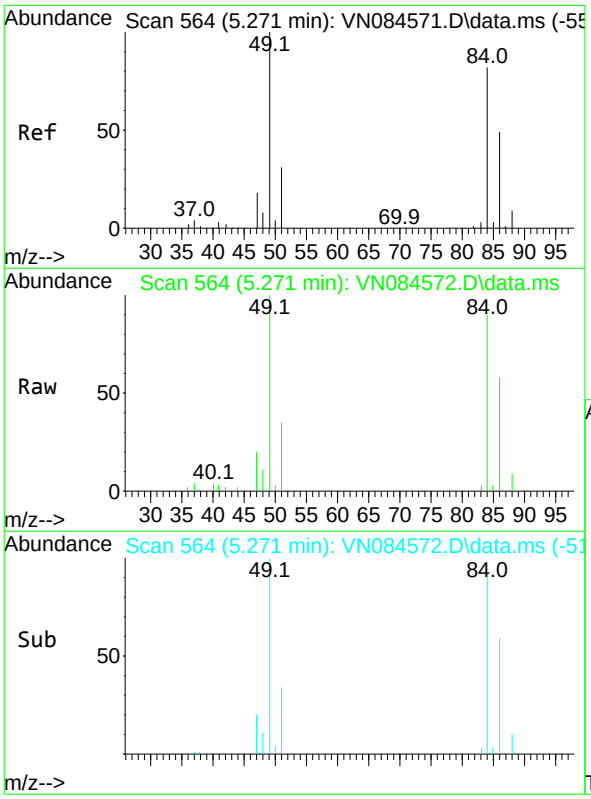
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

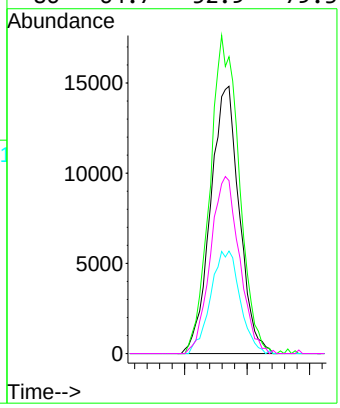
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

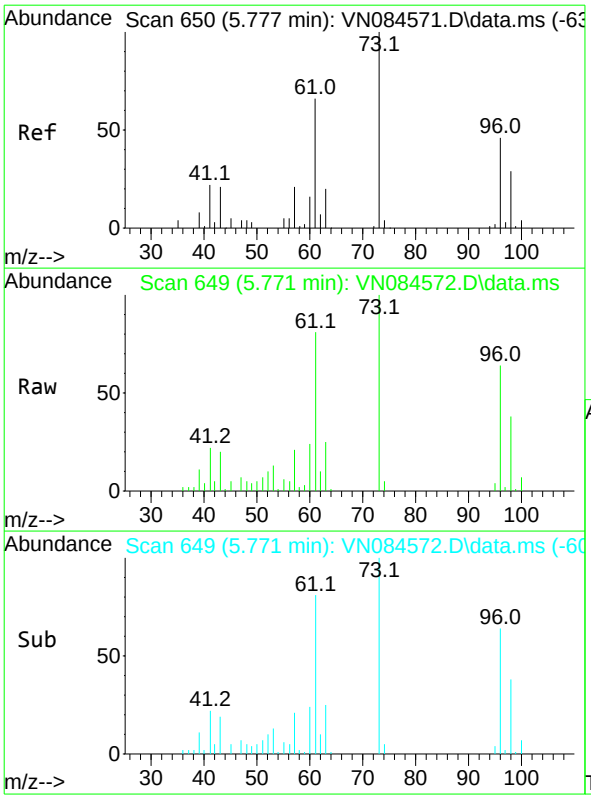


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

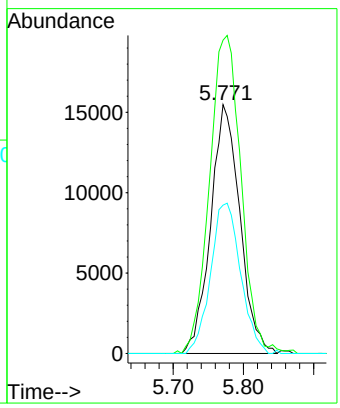




#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 44697

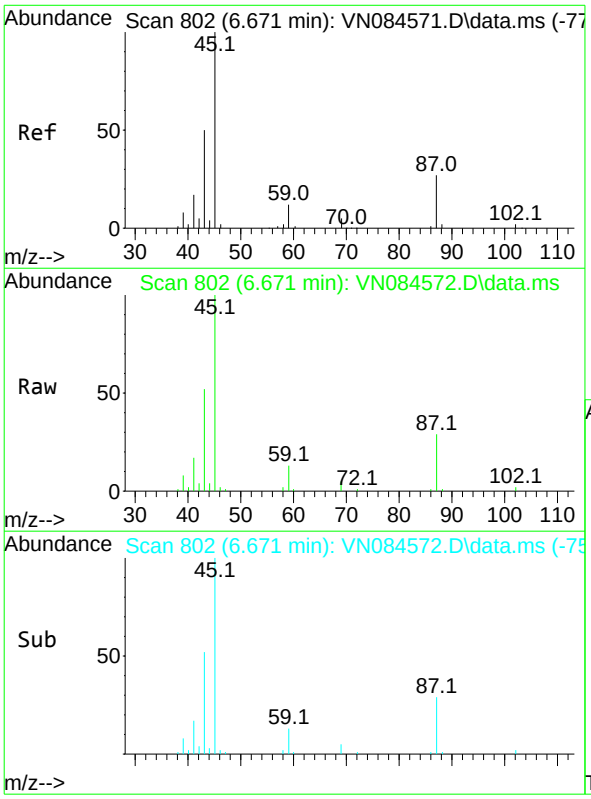
Ion	Ratio	Lower	Upper
96	100		
61	124.8	108.4	162.6
98	59.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

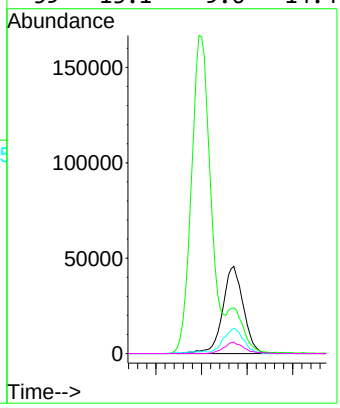
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

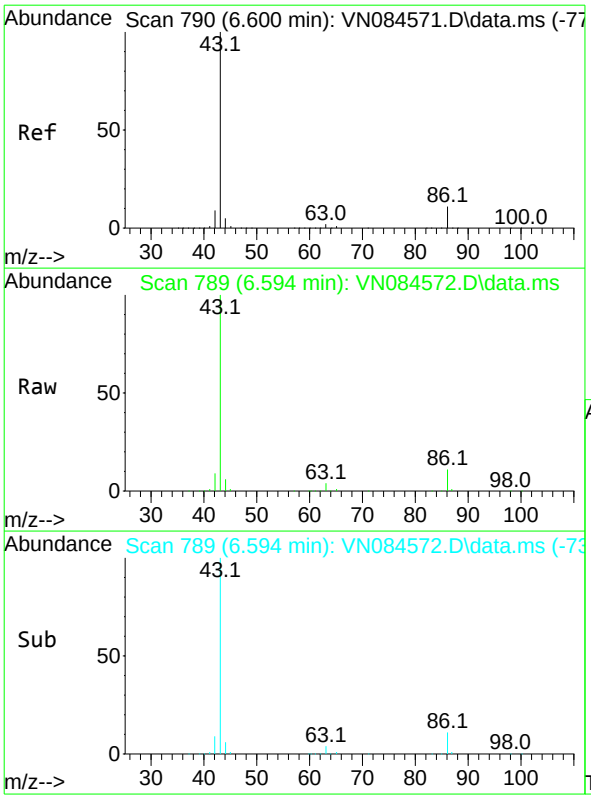


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

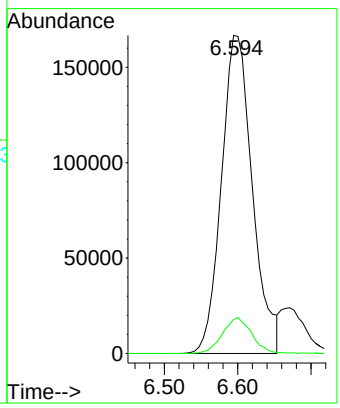




#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 78
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 490034

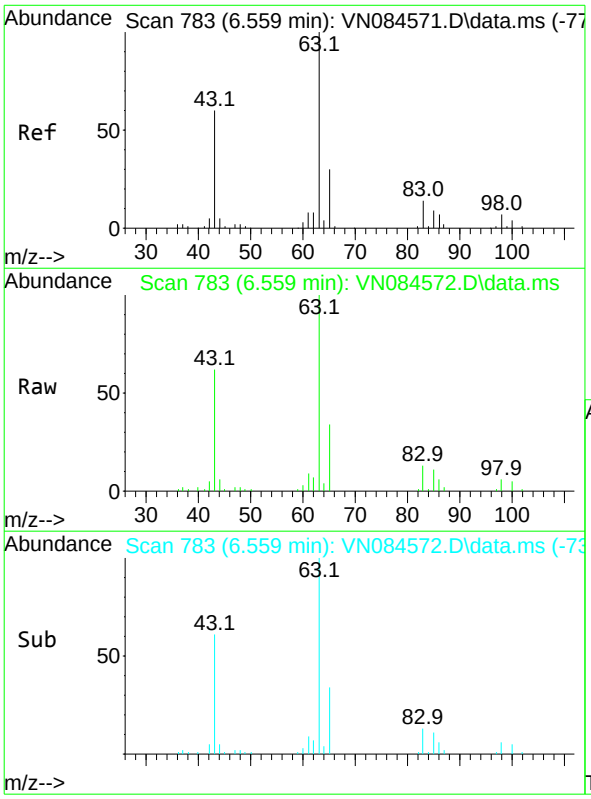
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

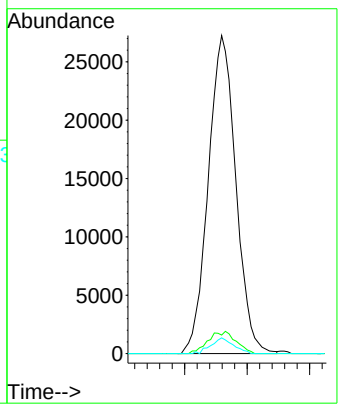
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

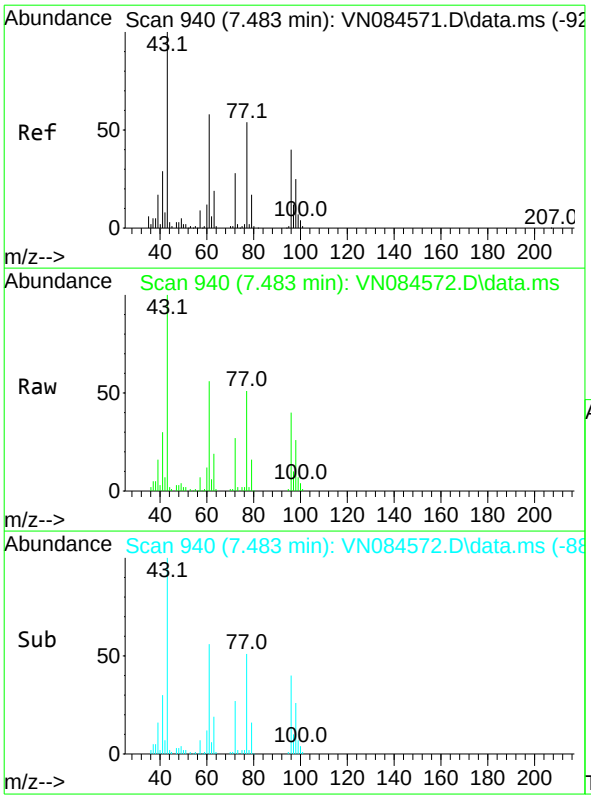


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

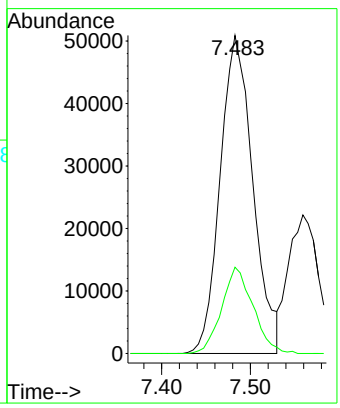




#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 130541

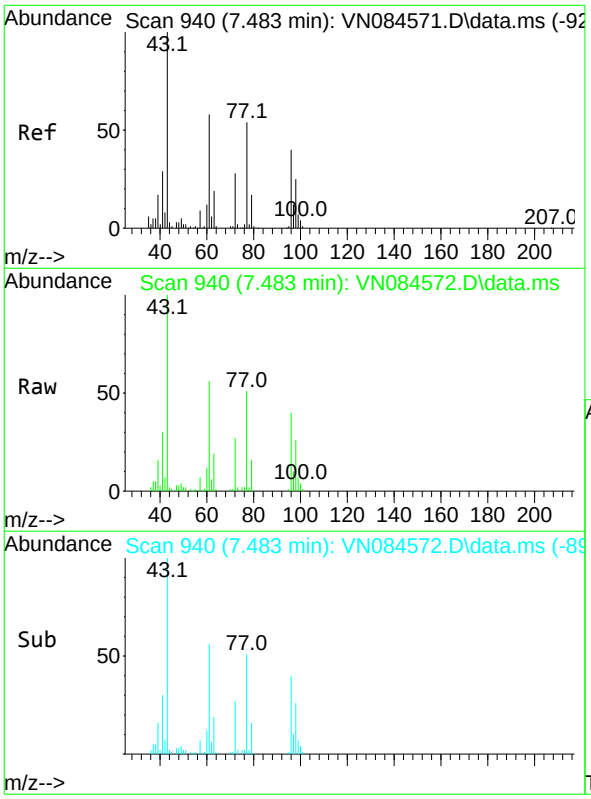
Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

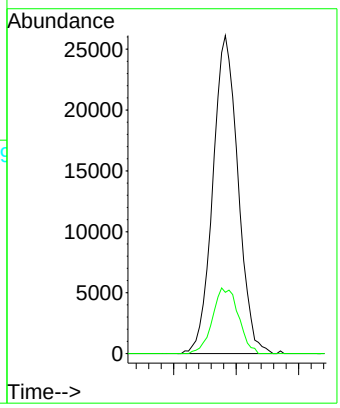
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

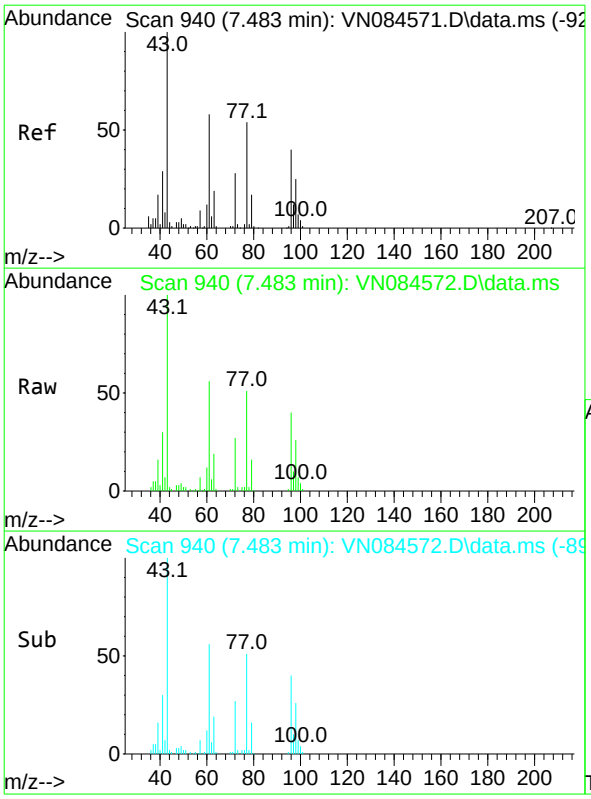


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3

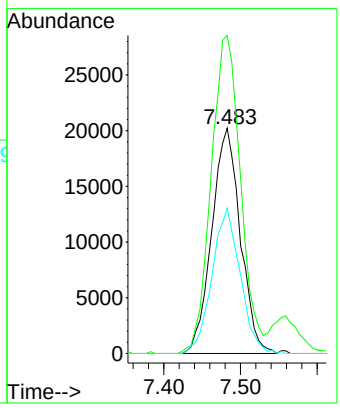




#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 96 Resp: 52279

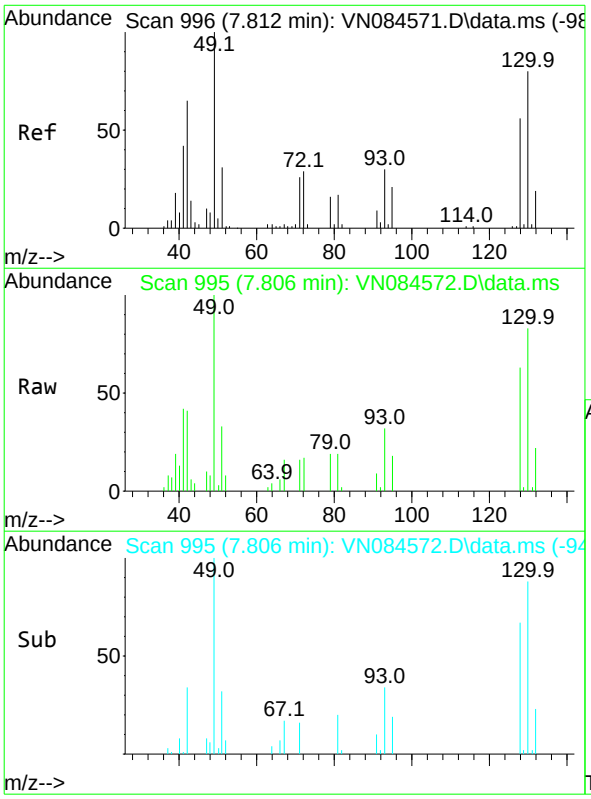
Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

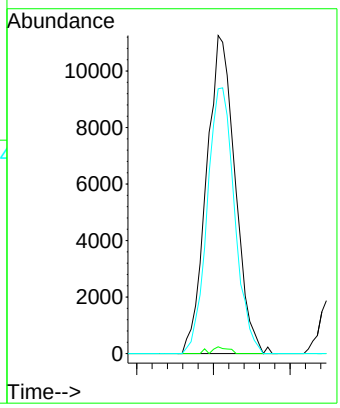
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

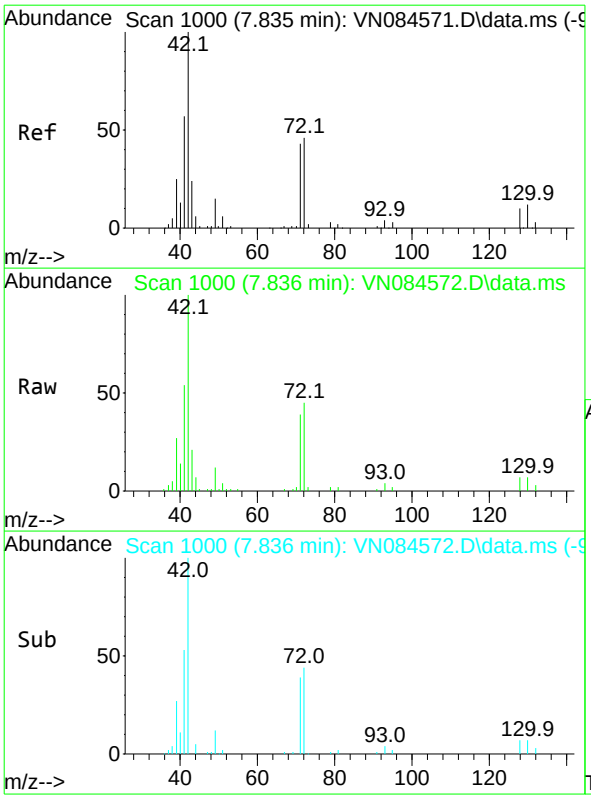


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

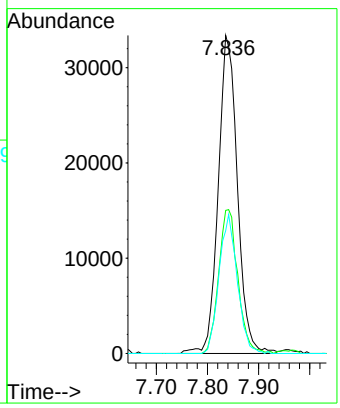




#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 42 Resp: 86837

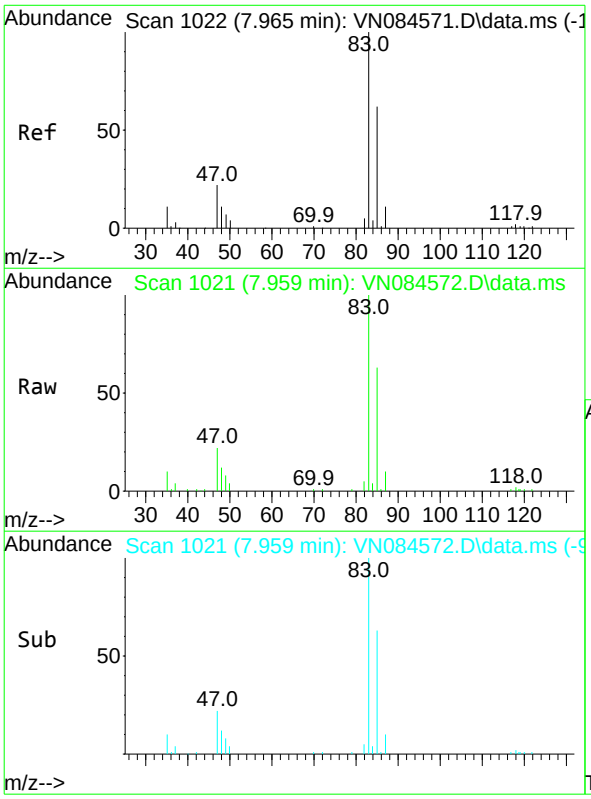
Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.6	51.8
71	41.5	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

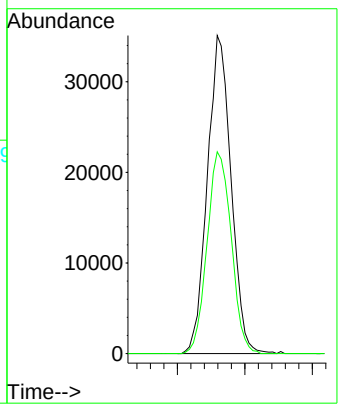
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

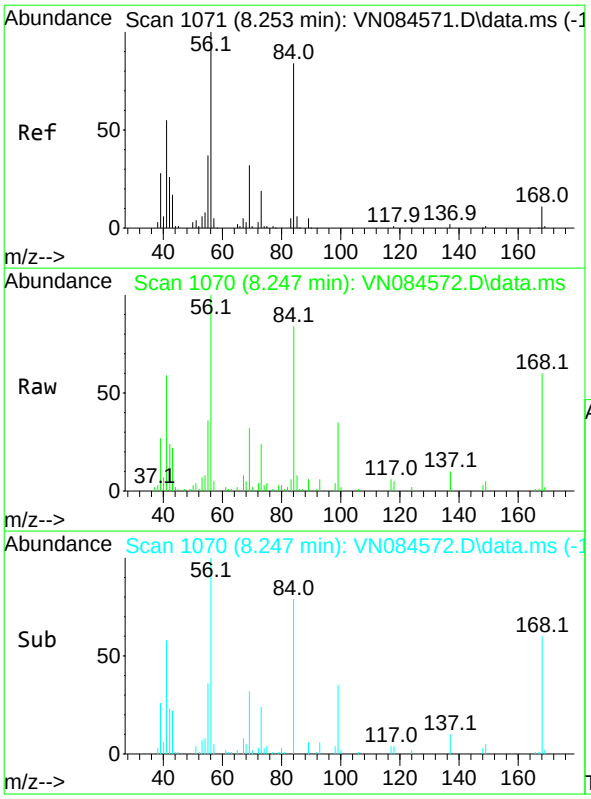


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

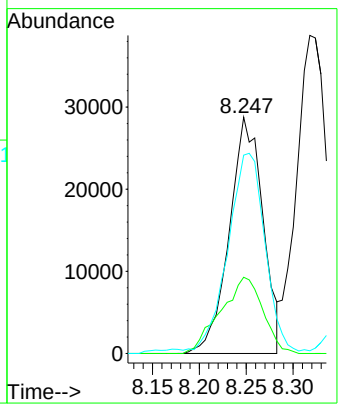




#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 56 Resp: 71698

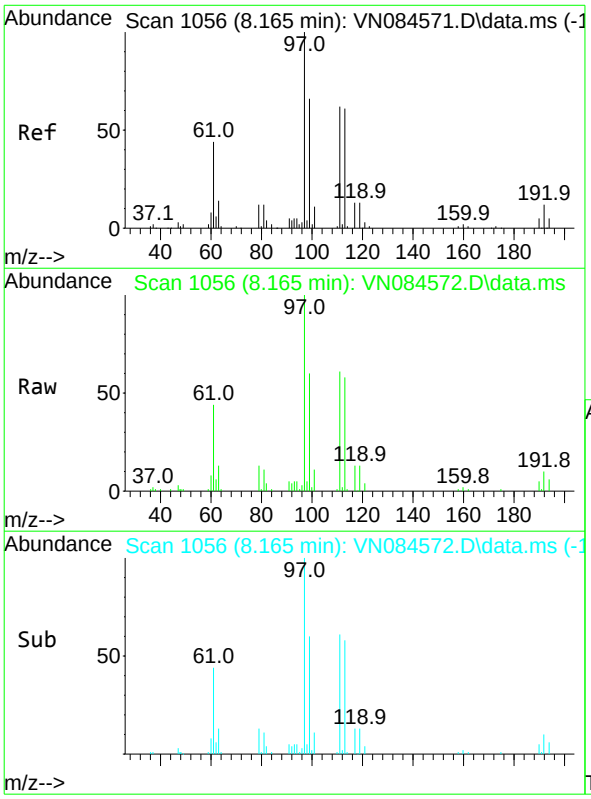
Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.8	35.6
84	82.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

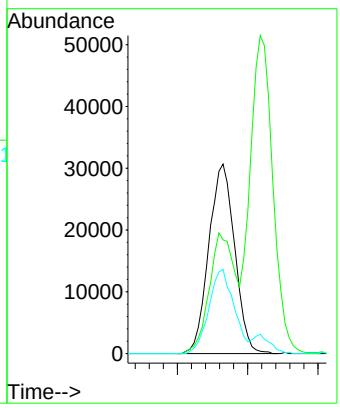
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

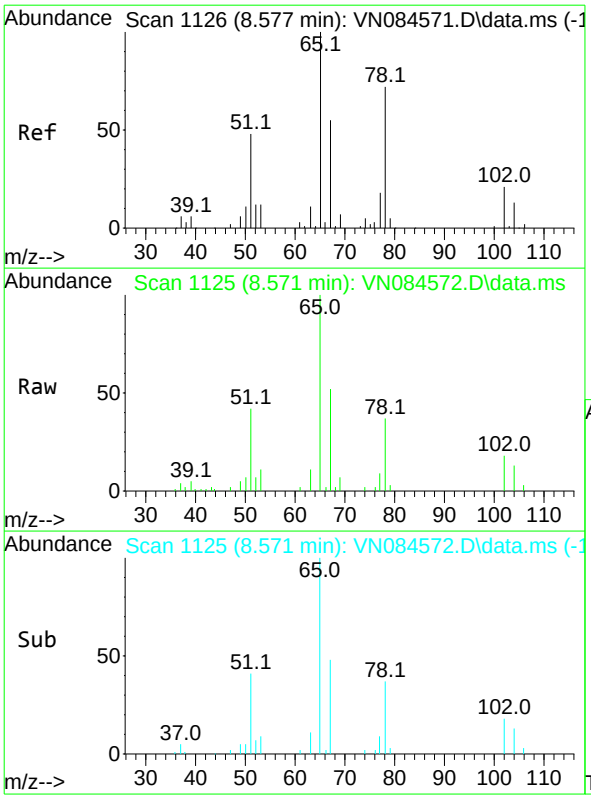


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

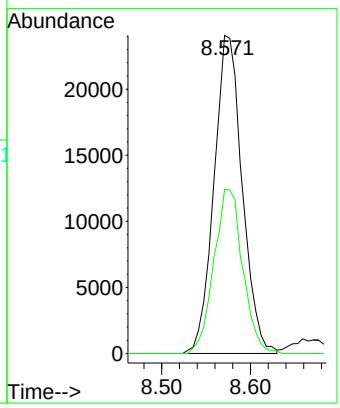




#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 65 Resp: 53102

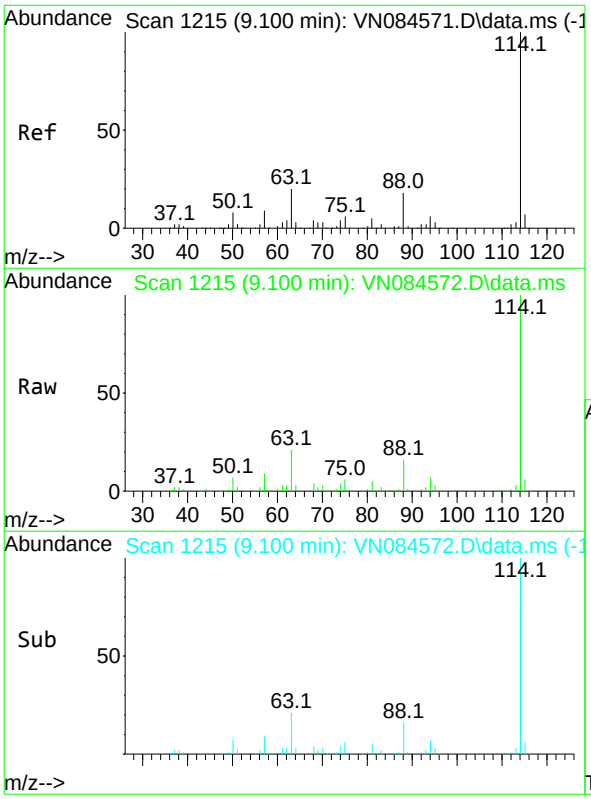
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

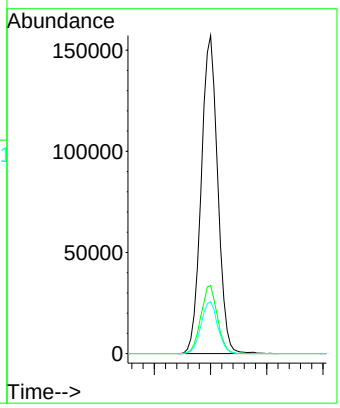
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

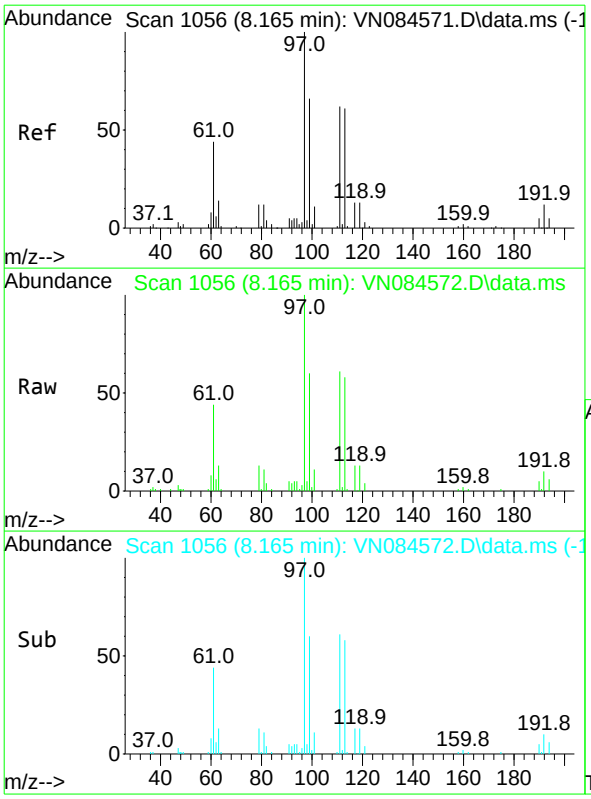


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

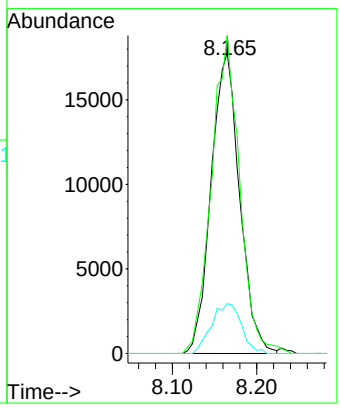




#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:113 Resp: 41686

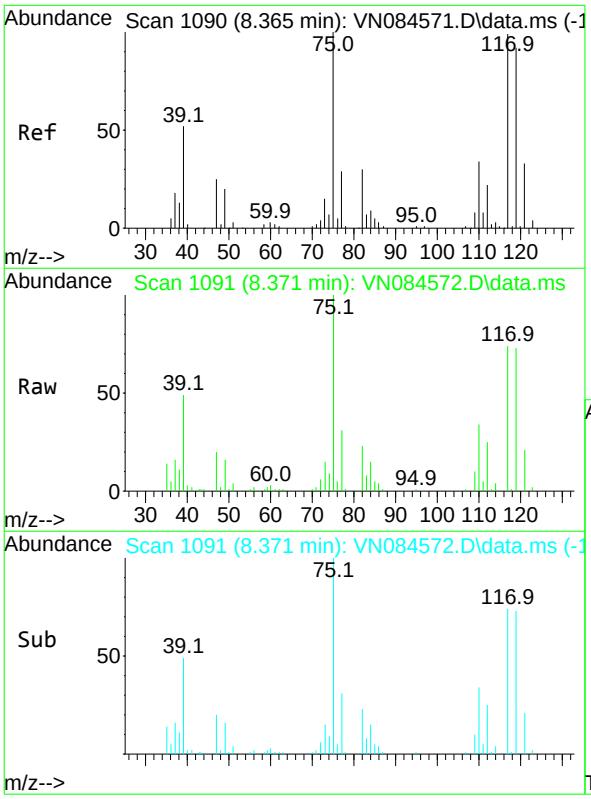
Ion	Ratio	Lower	Upper
113	100		
111	105.0	83.3	124.9
192	17.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

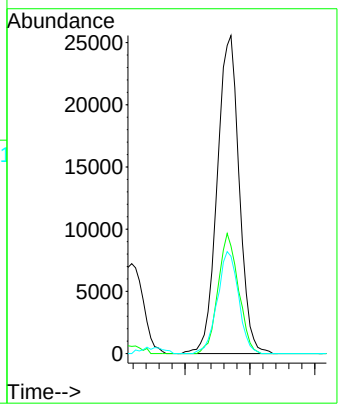
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

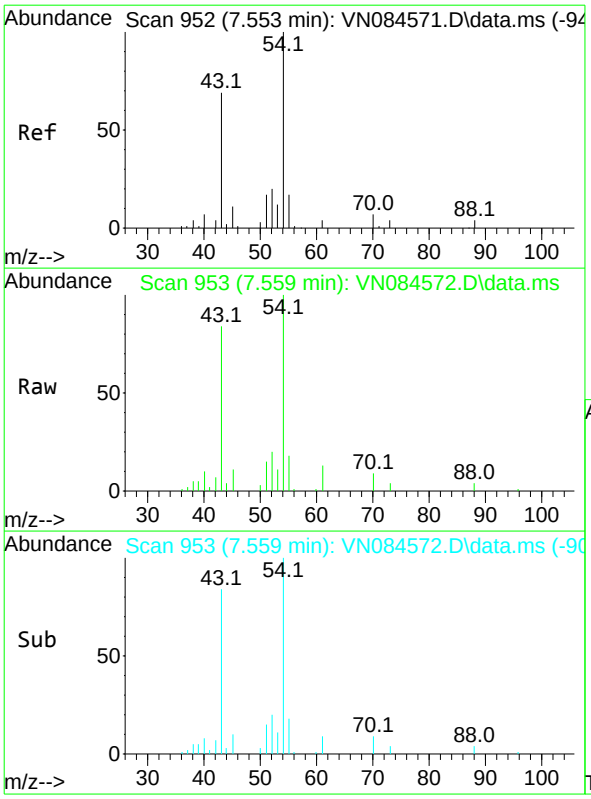


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

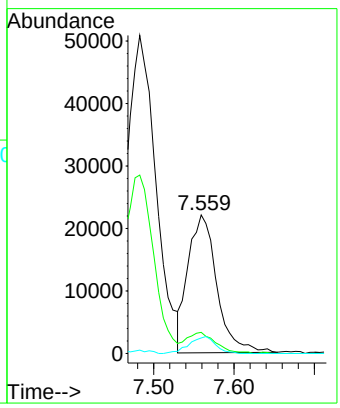




#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 54942

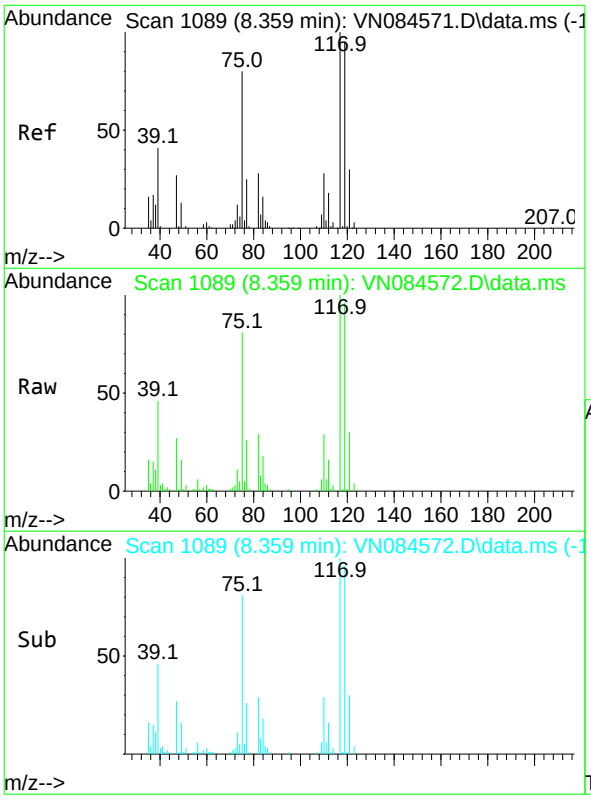
Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

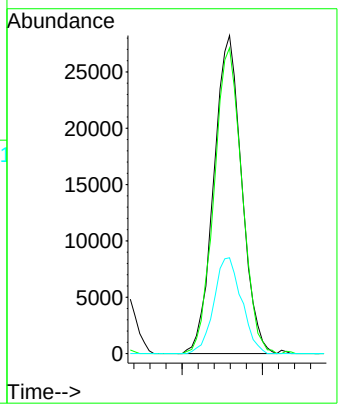
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

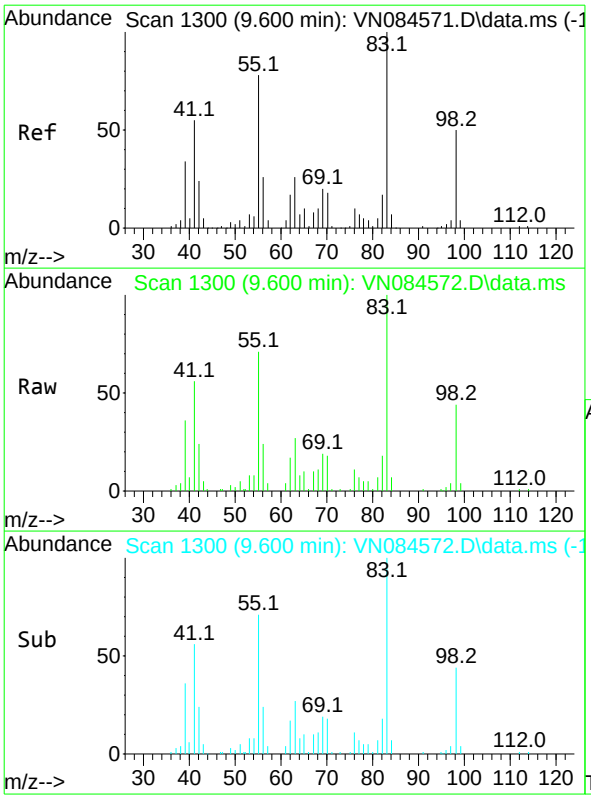


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

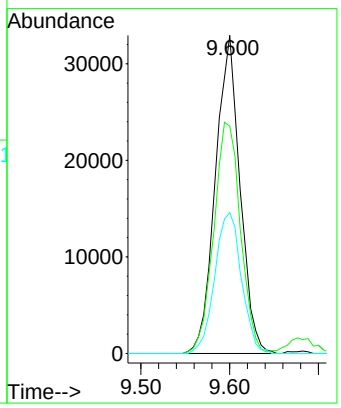




#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 63305

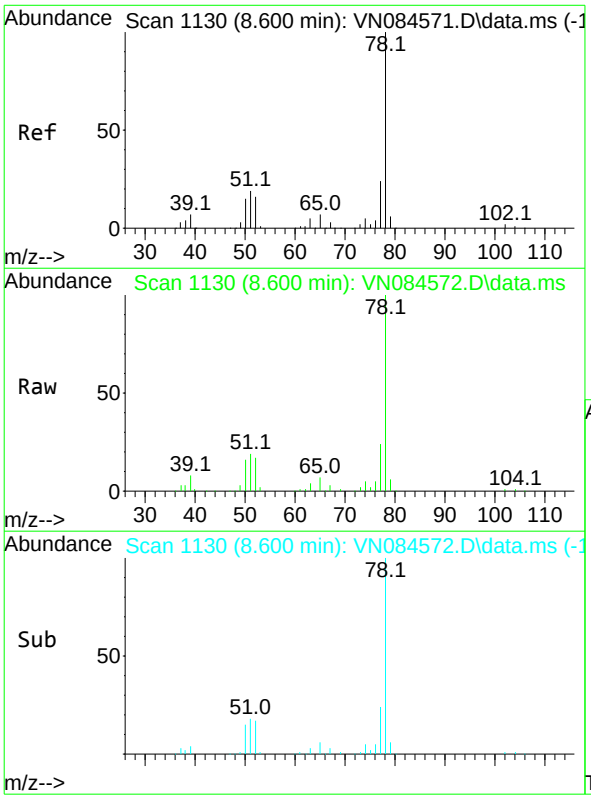
Ion	Ratio	Lower	Upper
83	100		
55	71.5	62.8	94.2
98	44.3	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

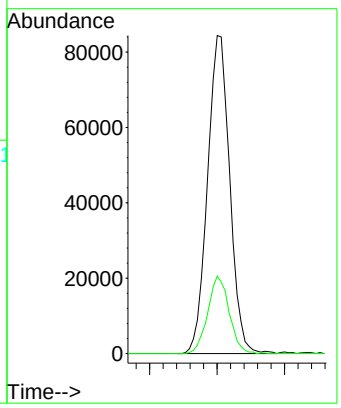
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

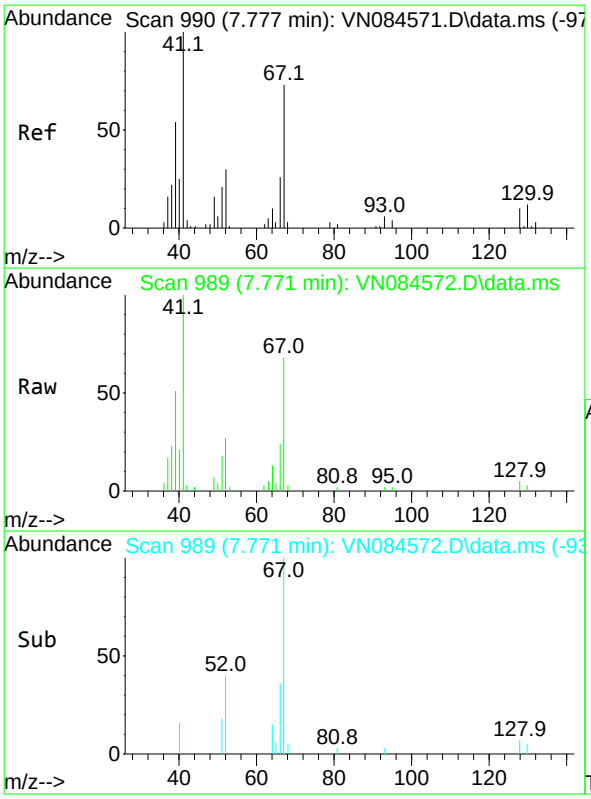


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7

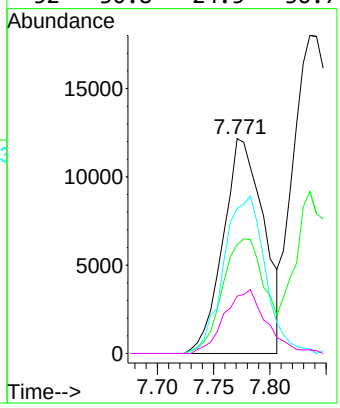




#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 41 Resp: 30596

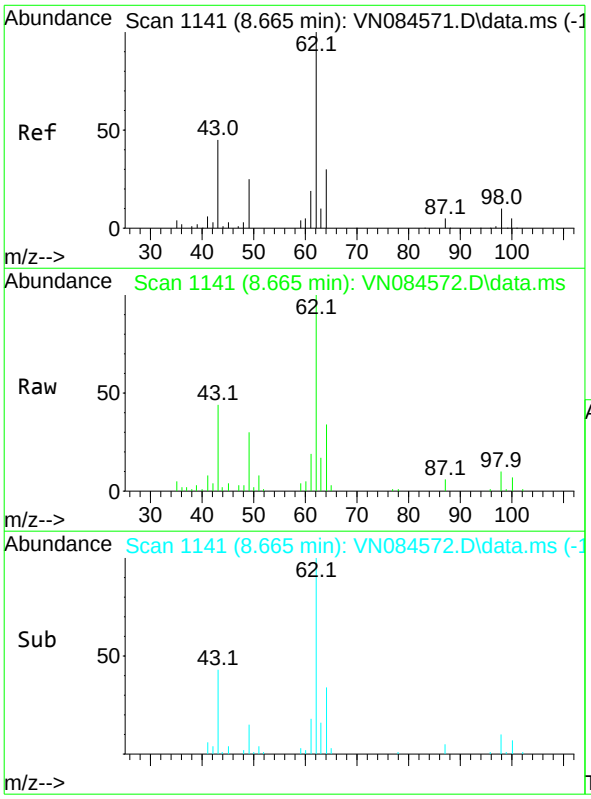
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.3	64.9
67	74.5	56.1	84.1
52	30.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

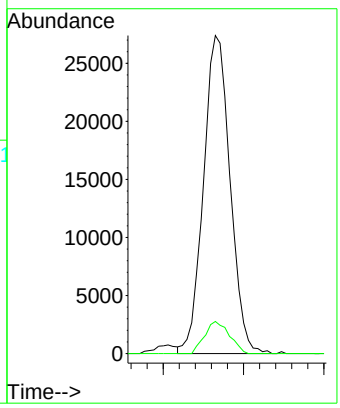
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

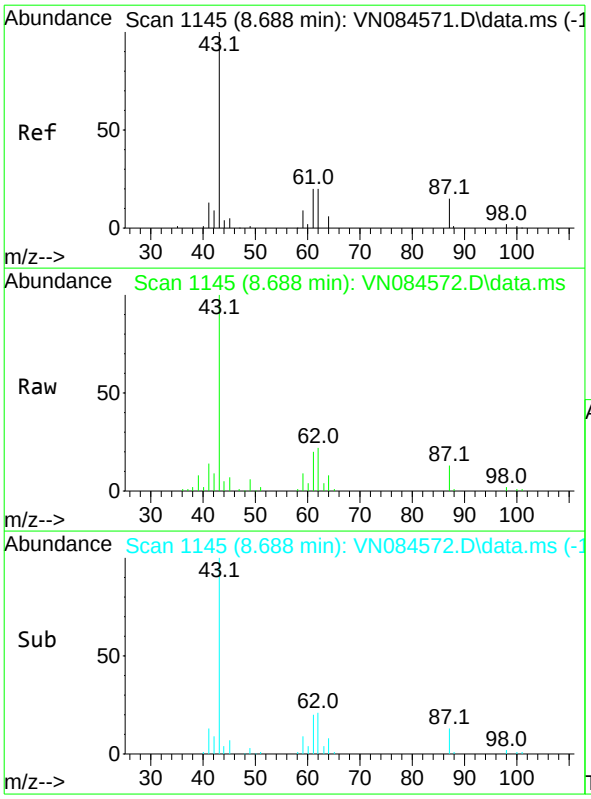


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2

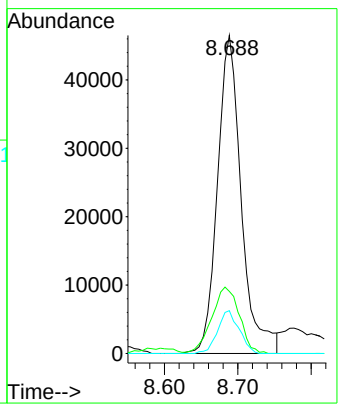




#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 104951

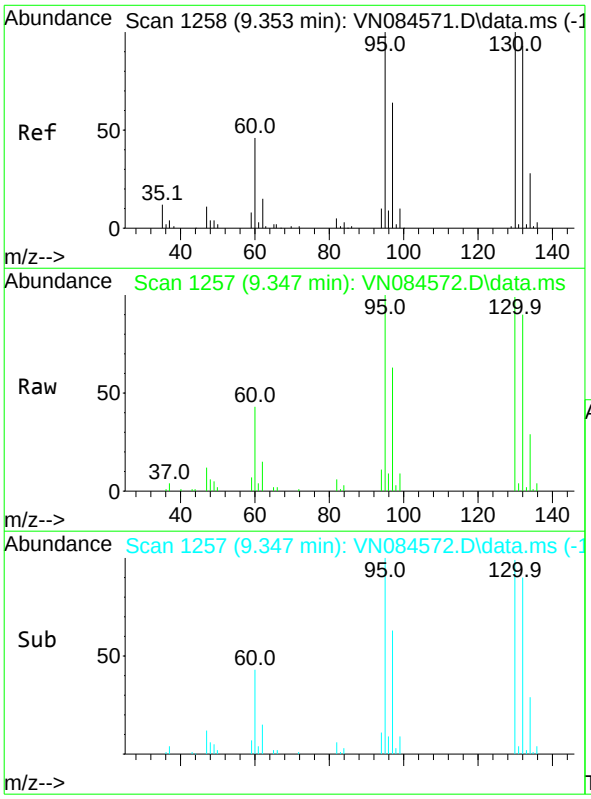
Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

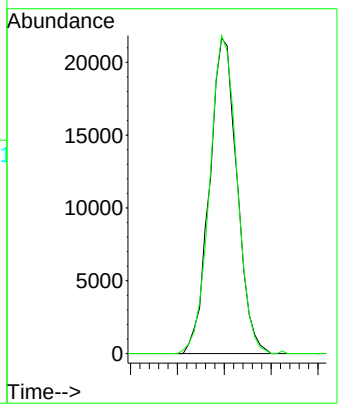
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

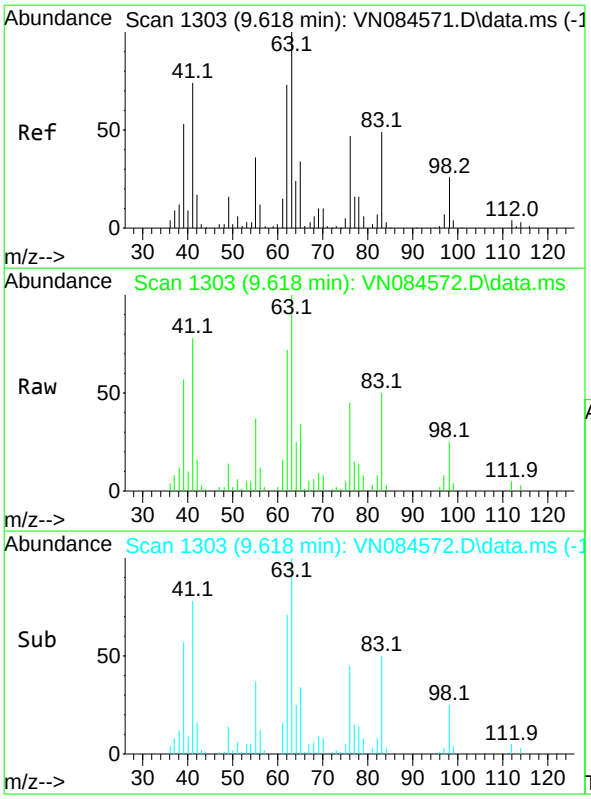


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0

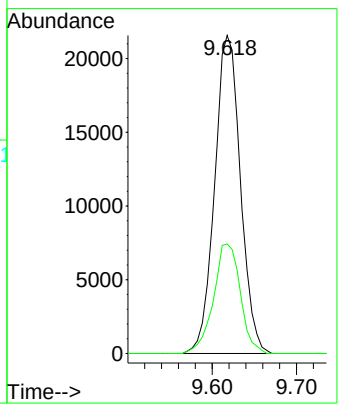




#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 45764

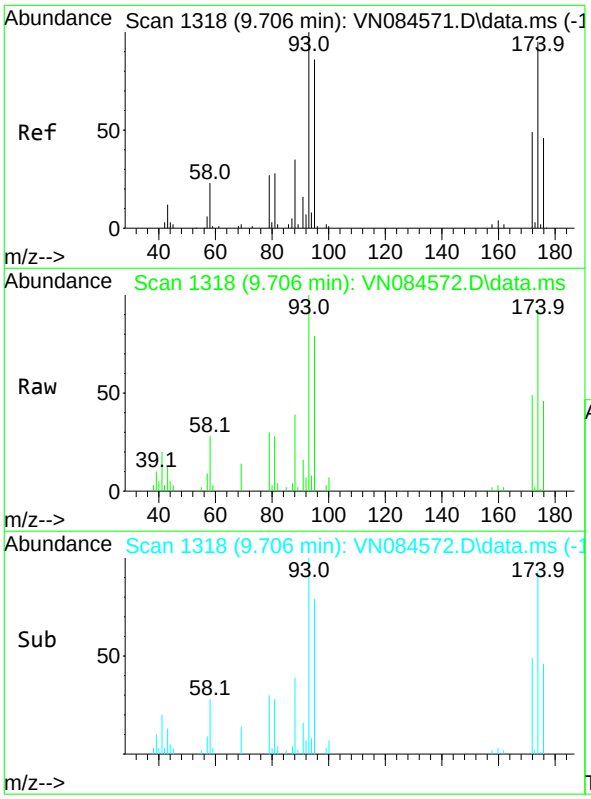
Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

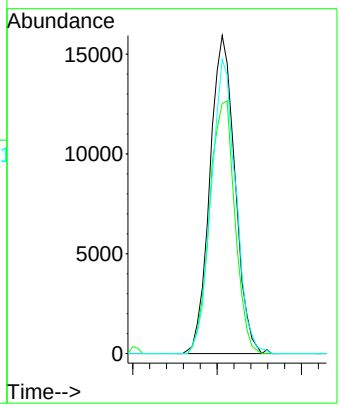
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

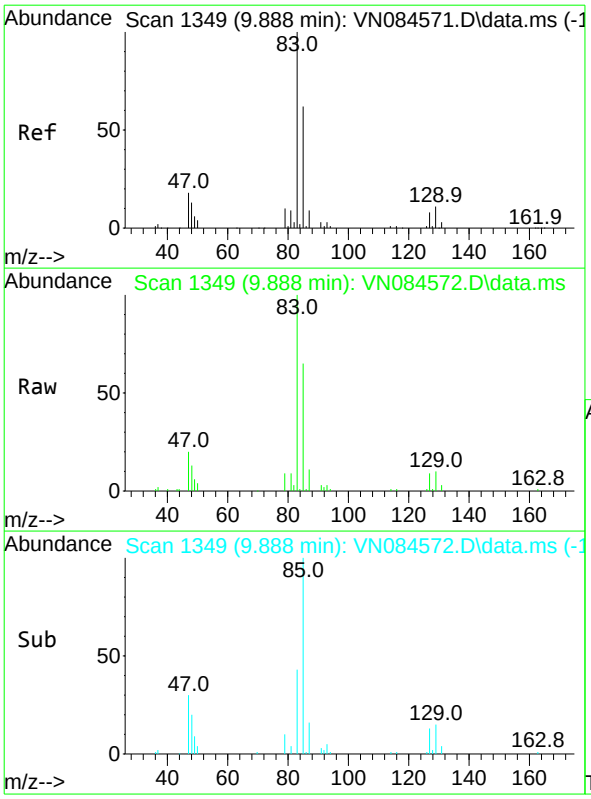


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

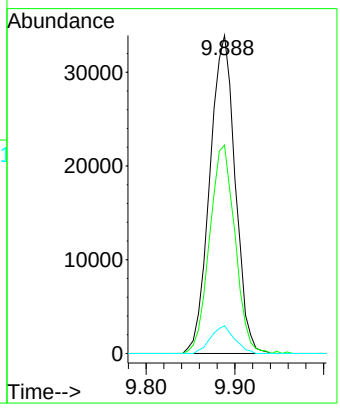




#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 67288

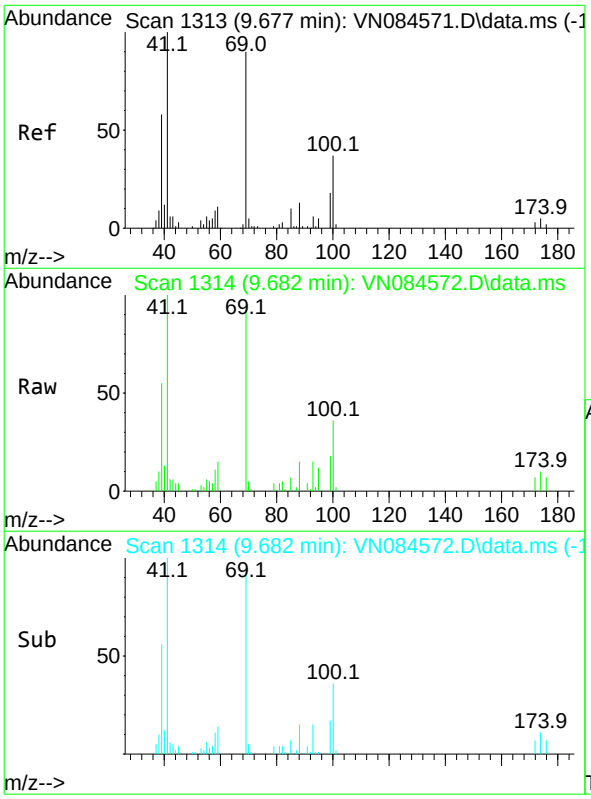
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3
127	8.7	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

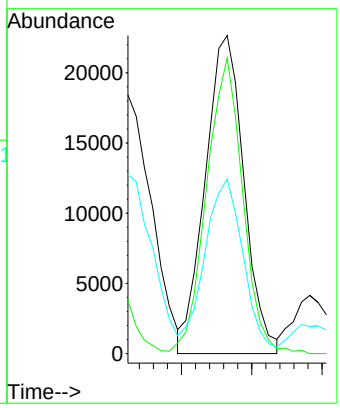
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

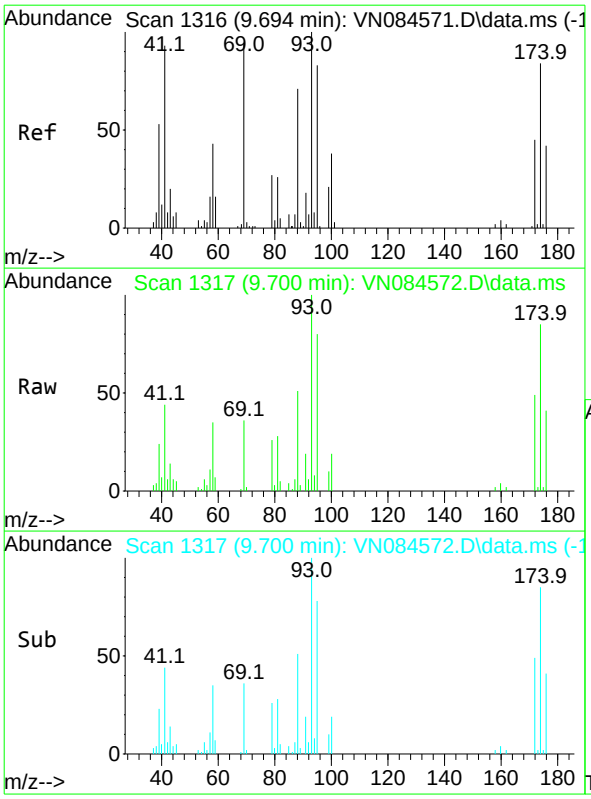


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

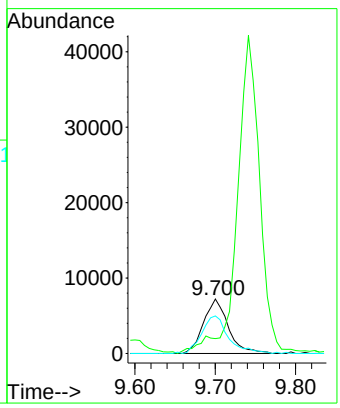




#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 88 Resp: 15417

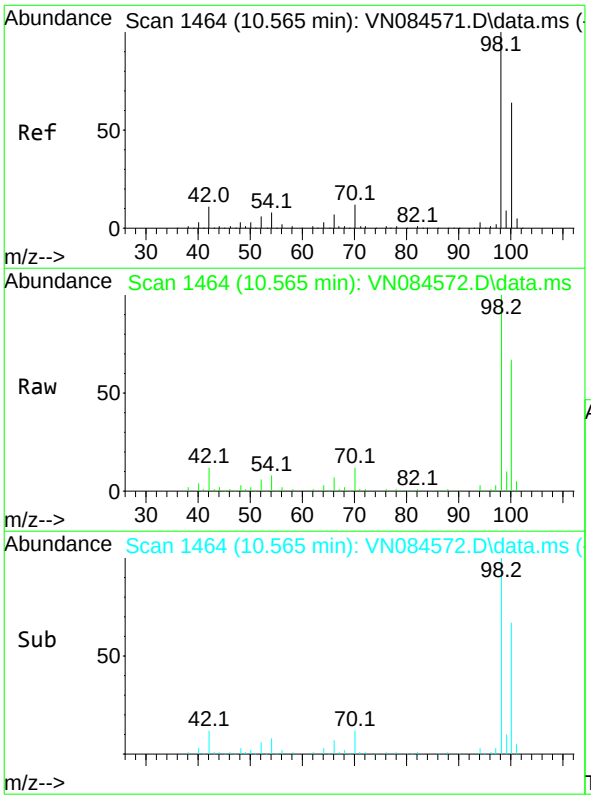
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	74.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

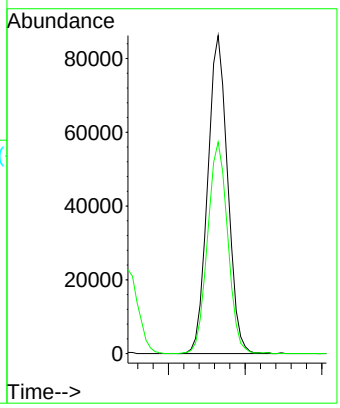
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

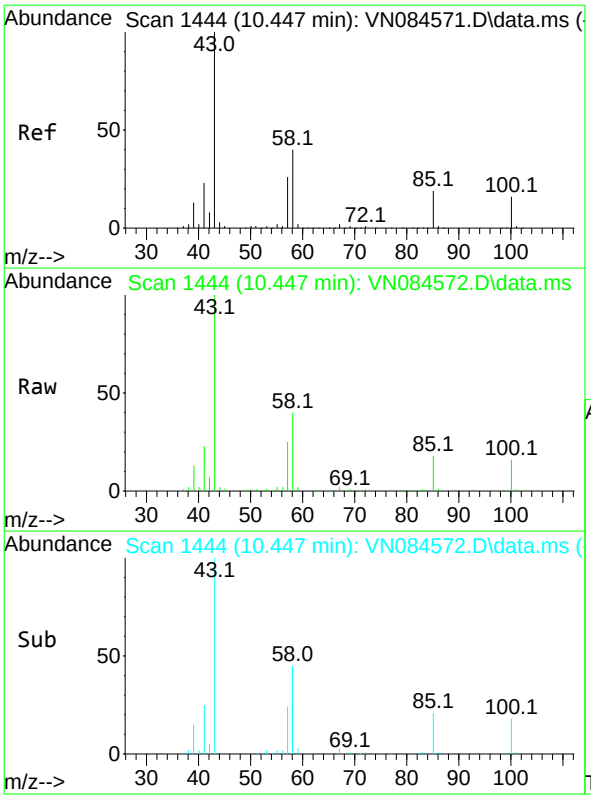


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1

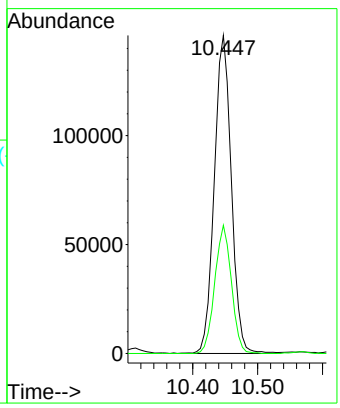




#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 266010

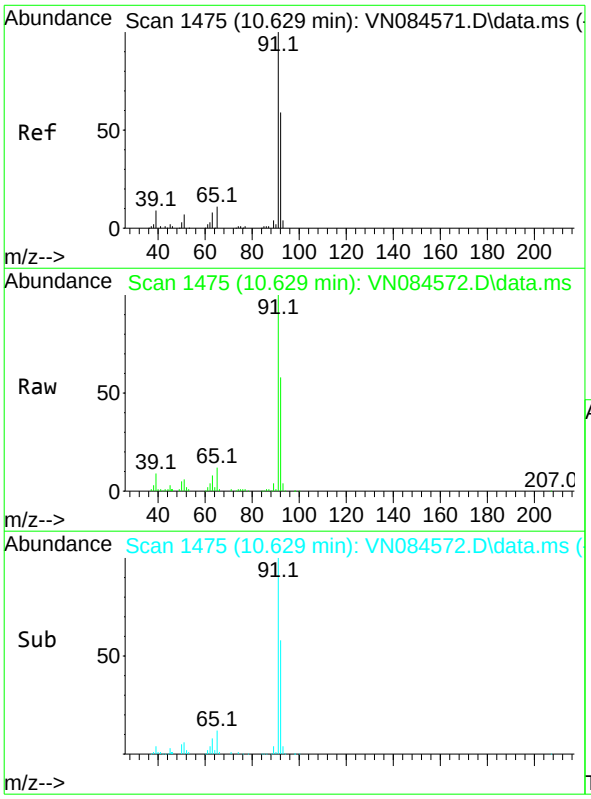
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

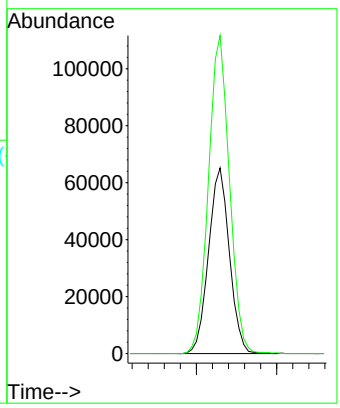
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

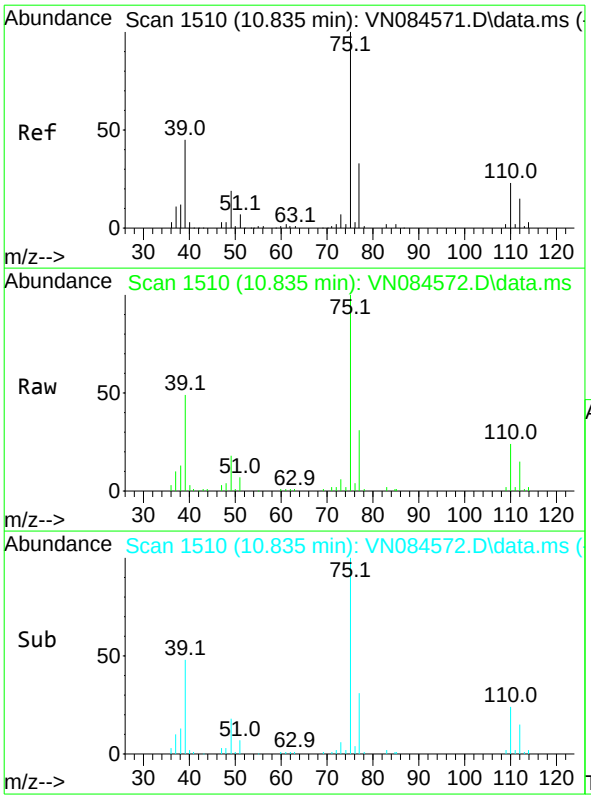


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9

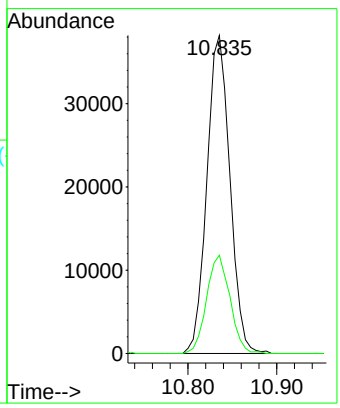




#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 68847

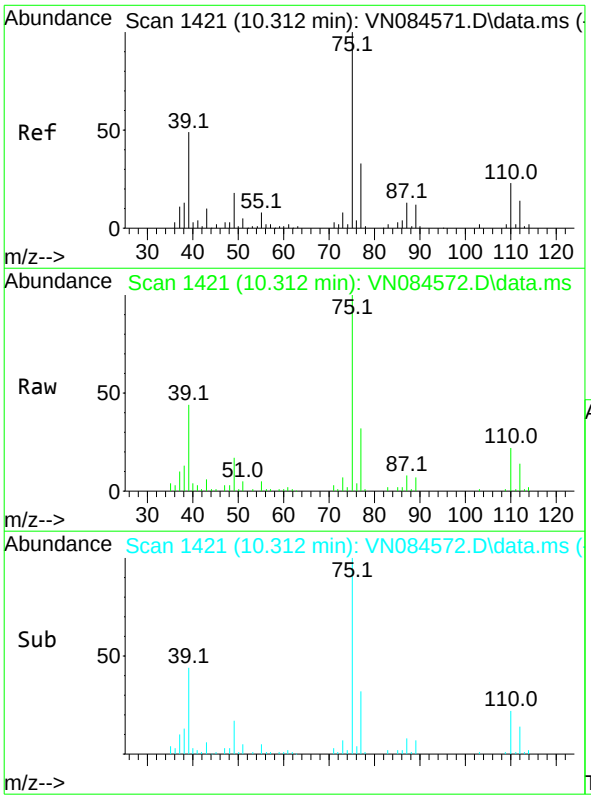
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

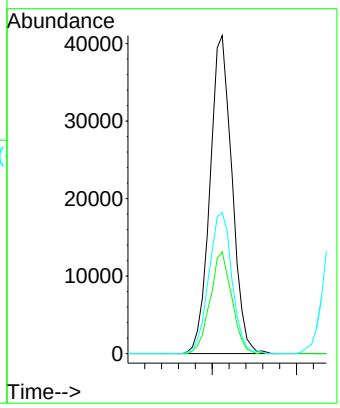
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

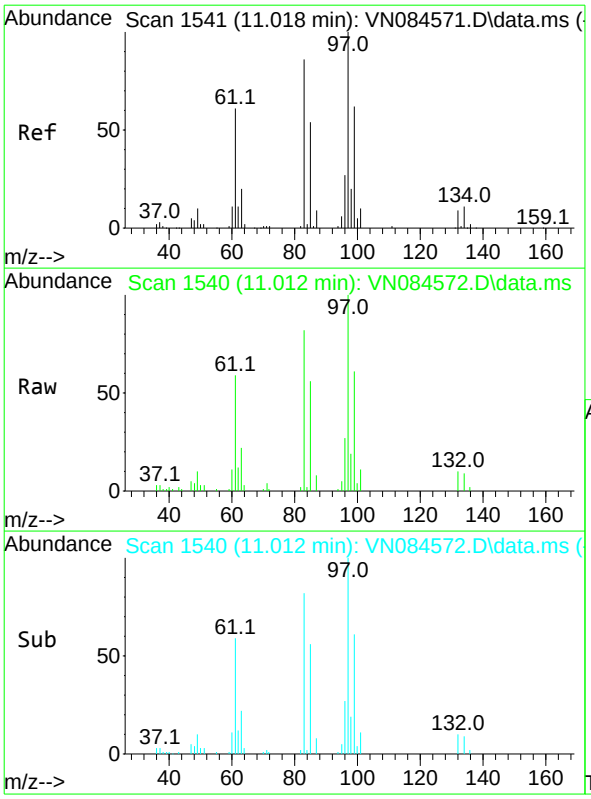


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

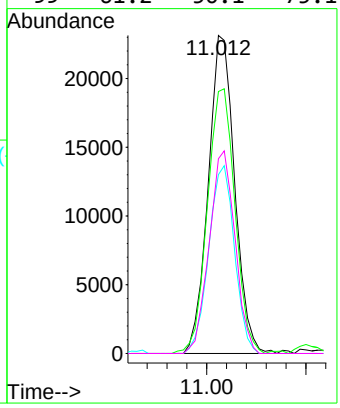




#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 97 Resp: 42791

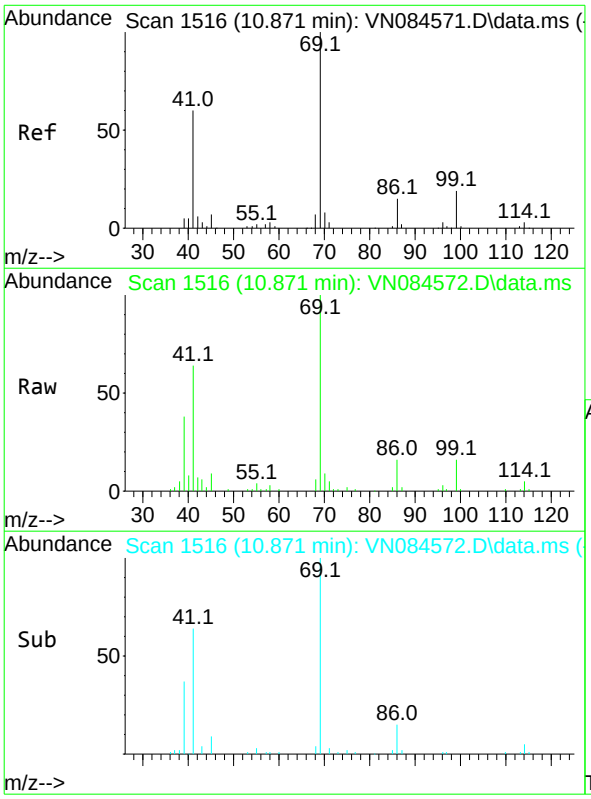
Ion	Ratio	Lower	Upper
97	100		
83	81.7	71.0	106.4
85	56.2	41.7	62.5
99	61.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

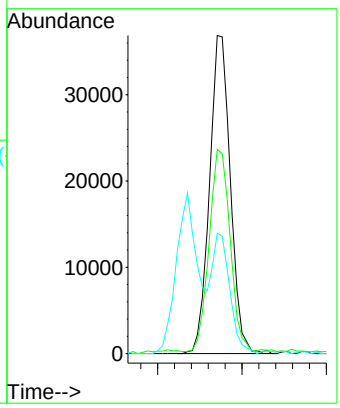
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

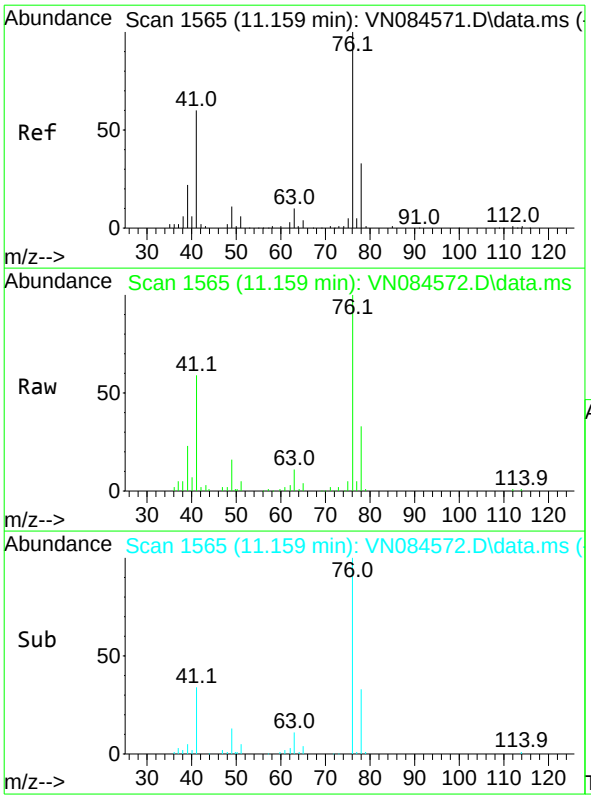


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

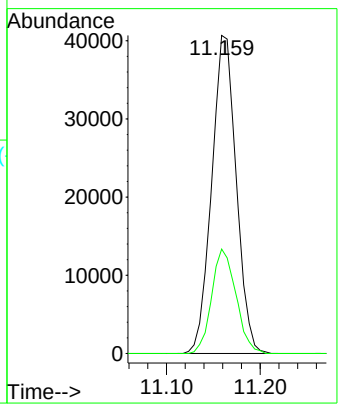




#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 76 Resp: 74082

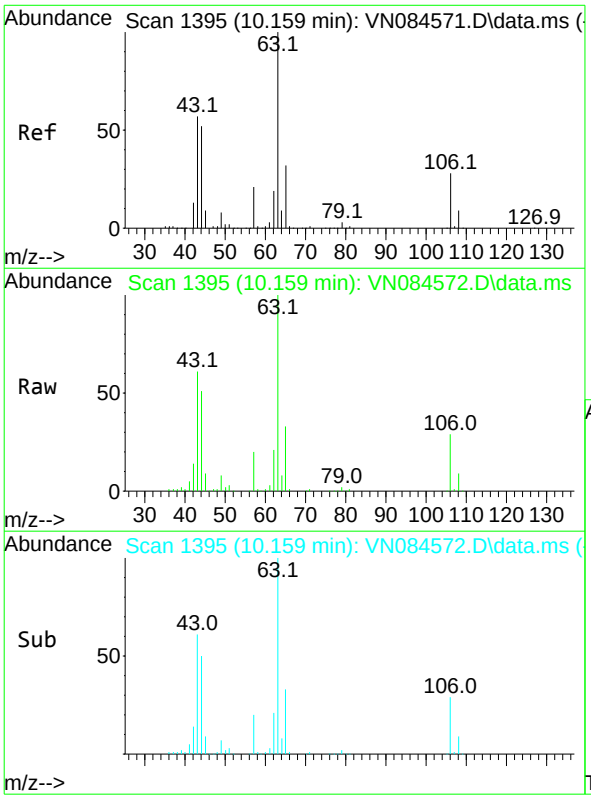
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

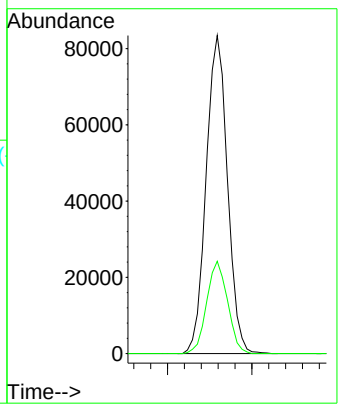
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

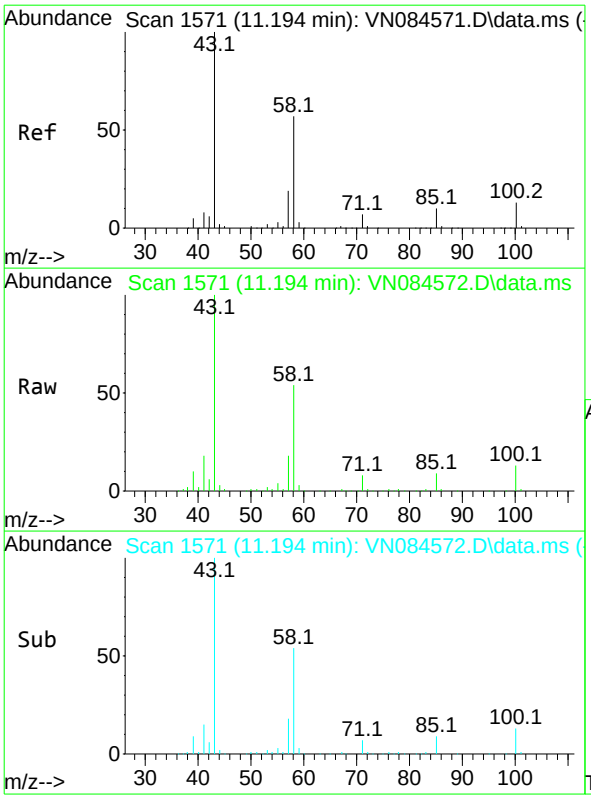


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6

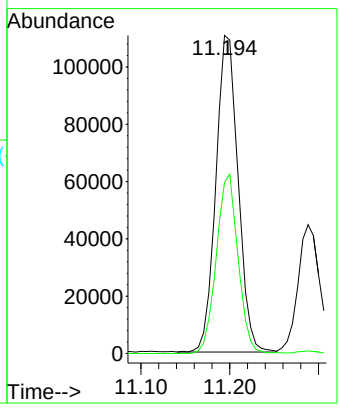




#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 192335

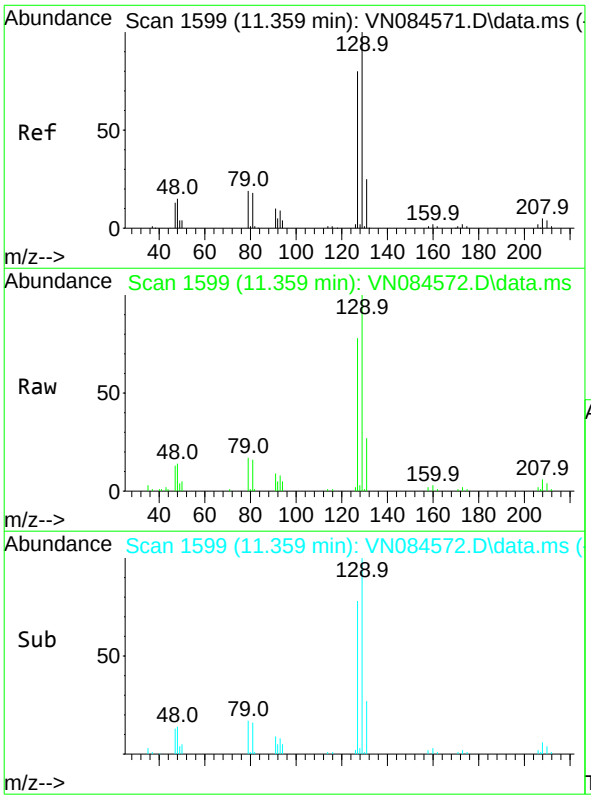
Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

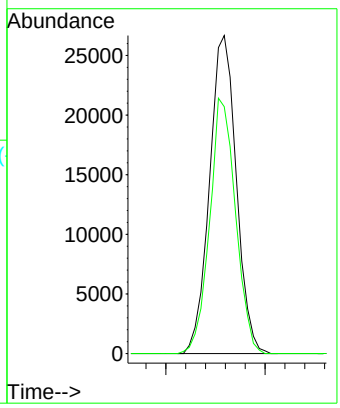
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

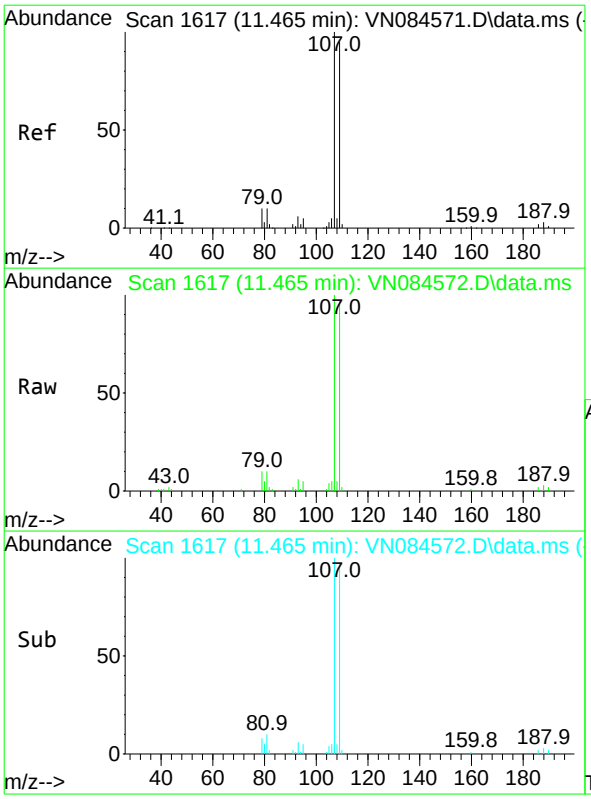


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9

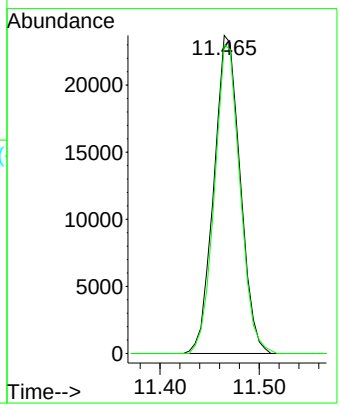




#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:107 Resp: 43666

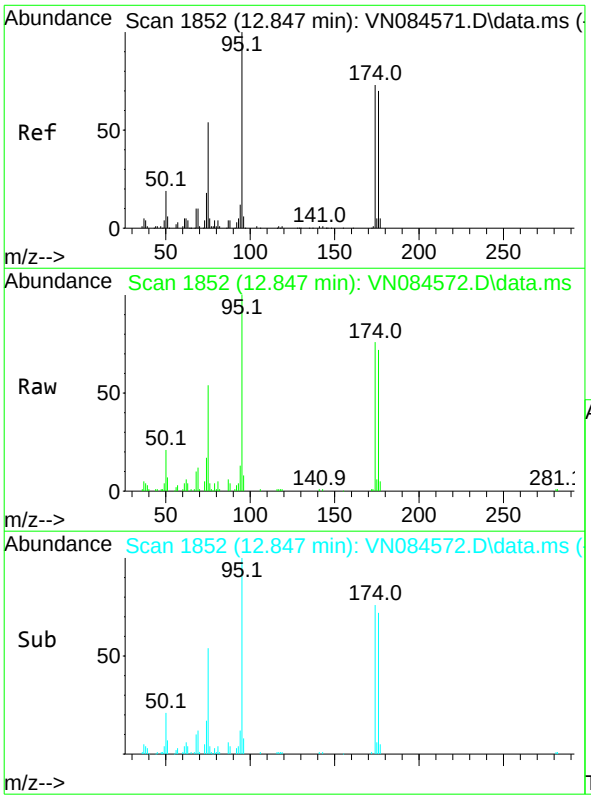
Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

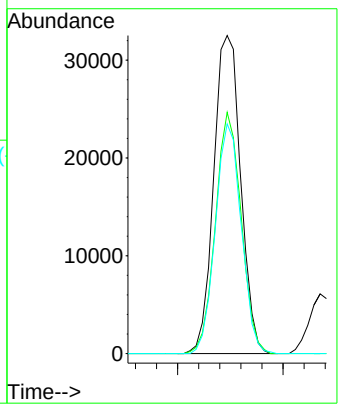
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

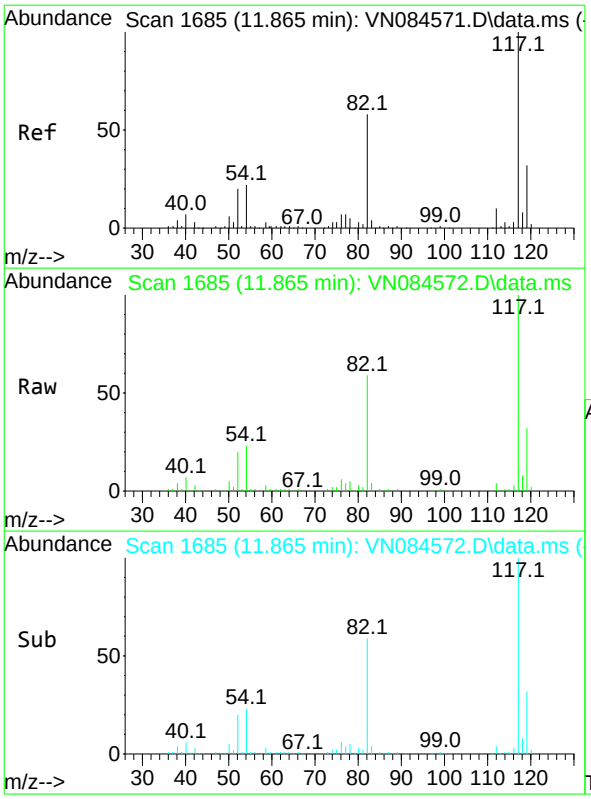


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

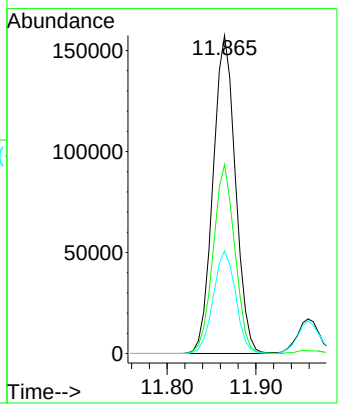




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 275857

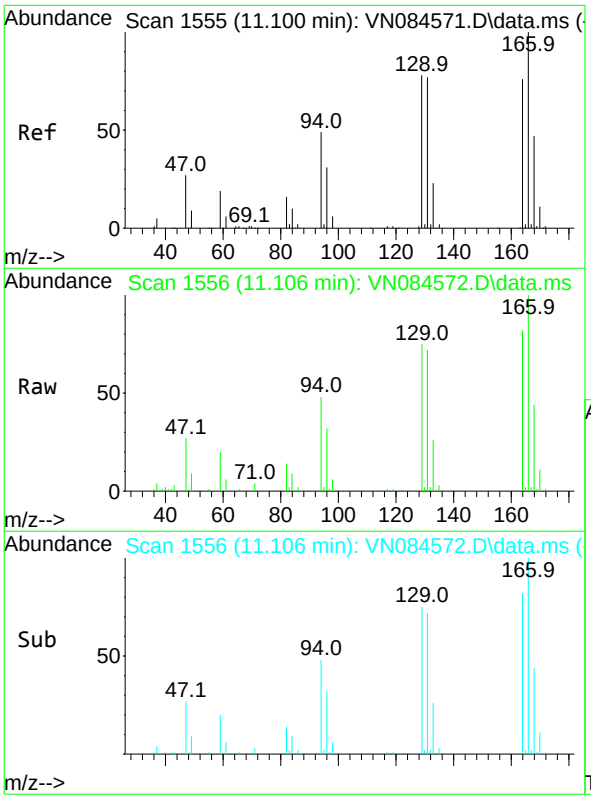
Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	32.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

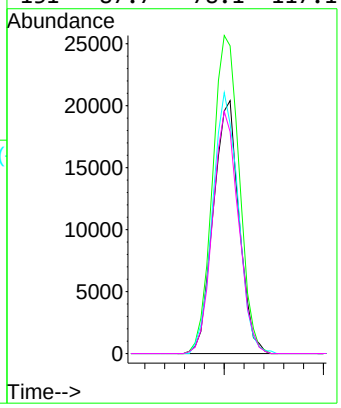
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

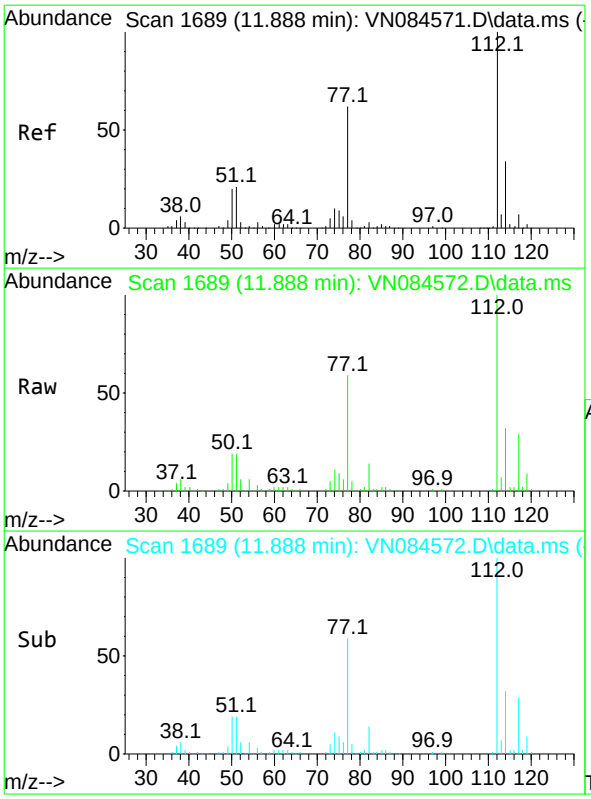


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

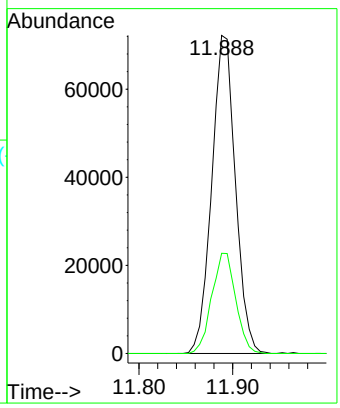




#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:112 Resp: 126753

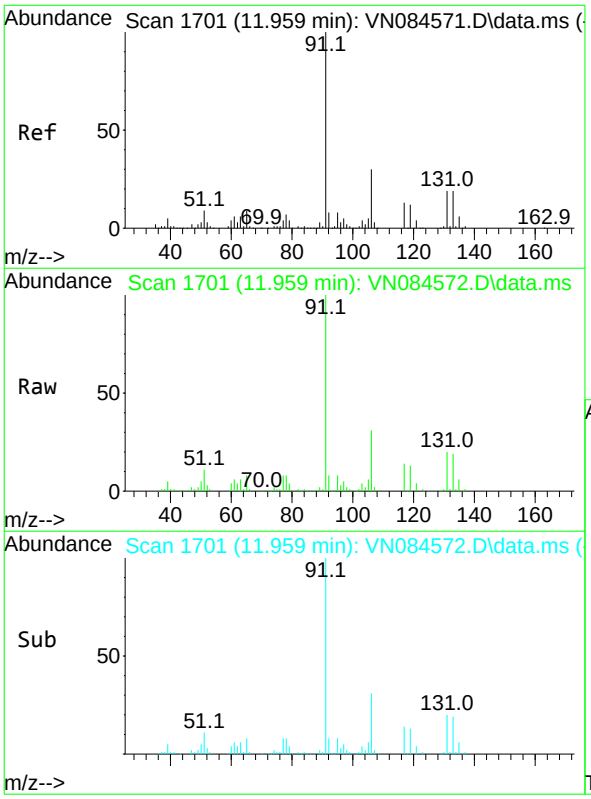
Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

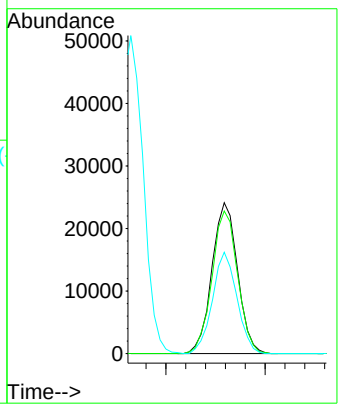
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

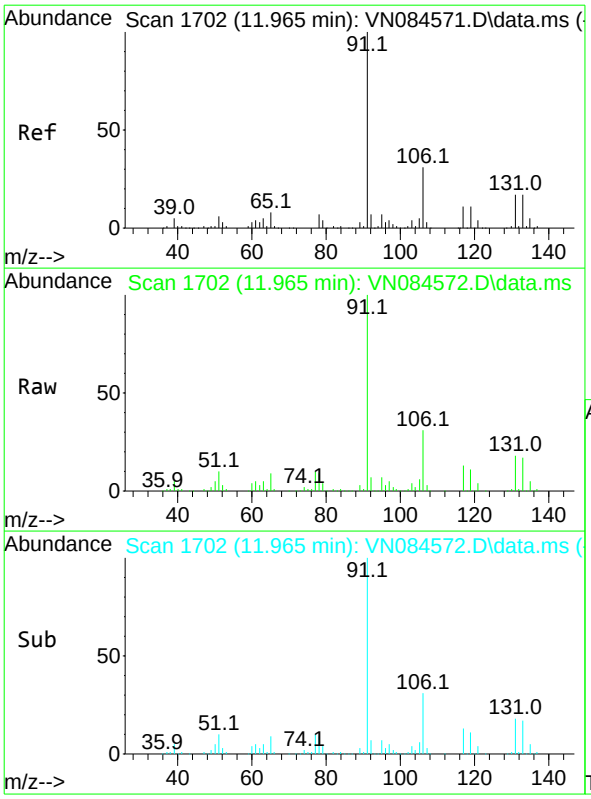


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

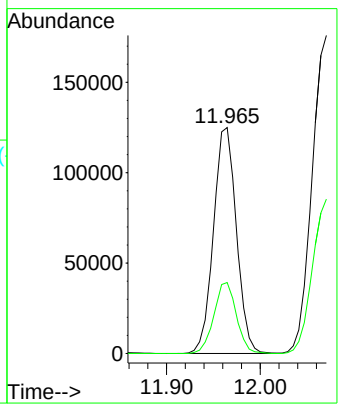




#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 212737

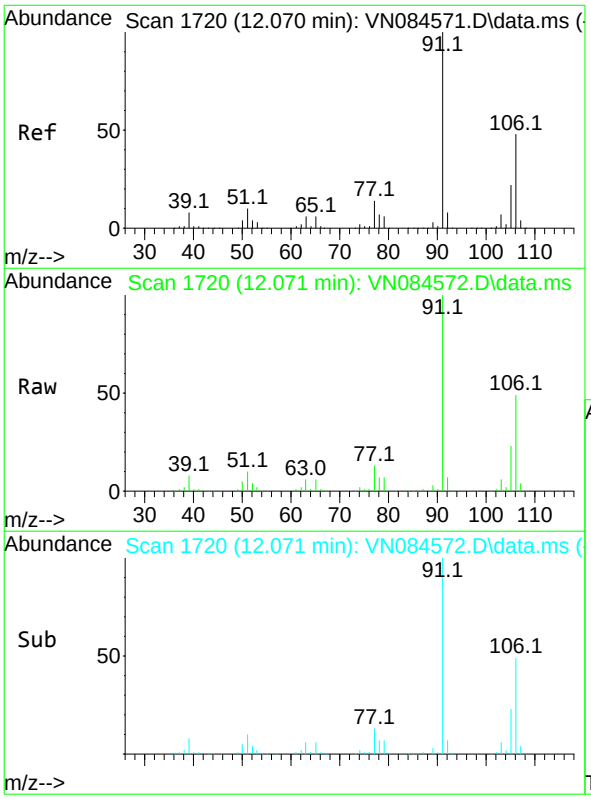
Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

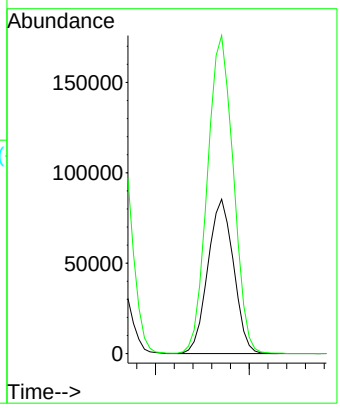
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

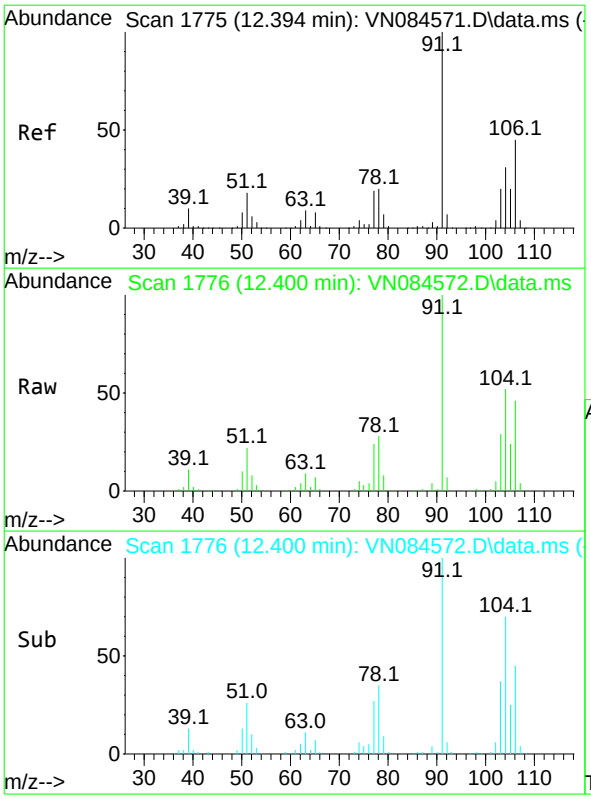


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7

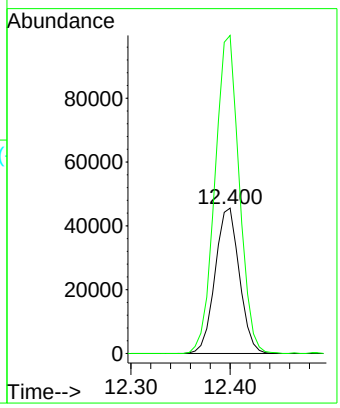




#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 77396

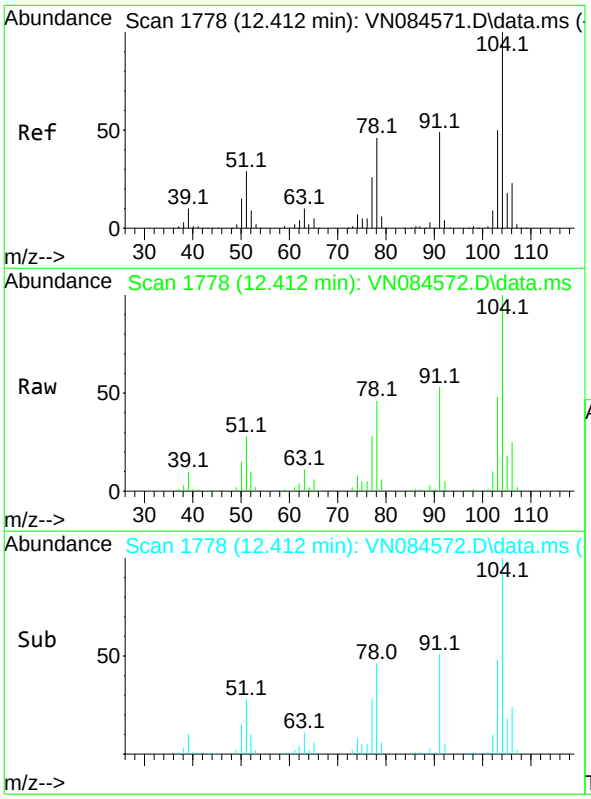
Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

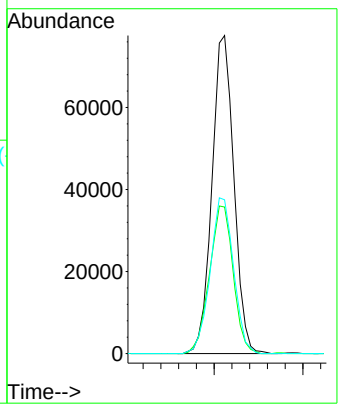
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

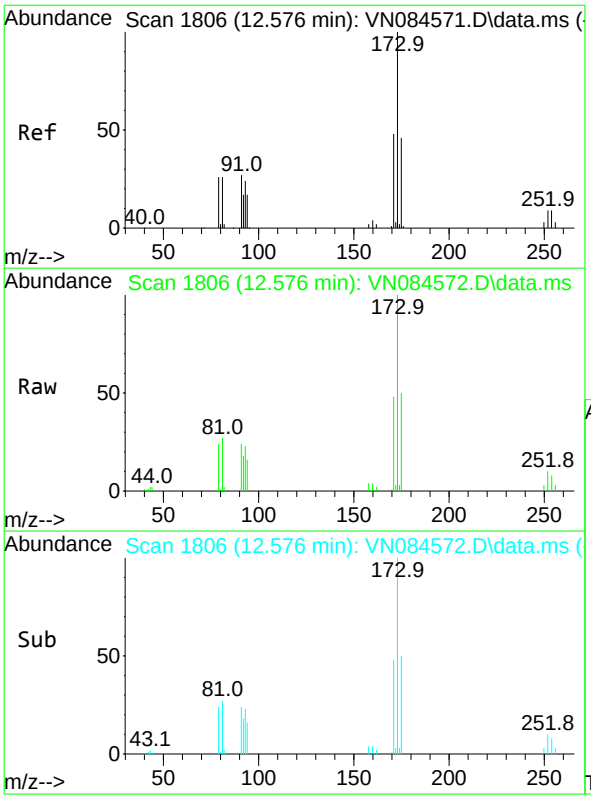


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

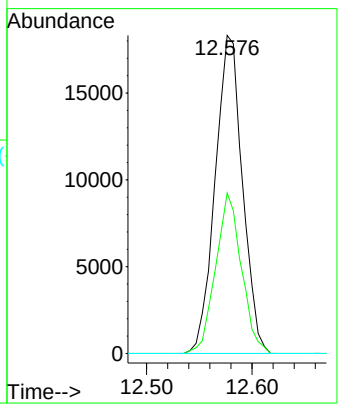




#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:173 Resp: 32901

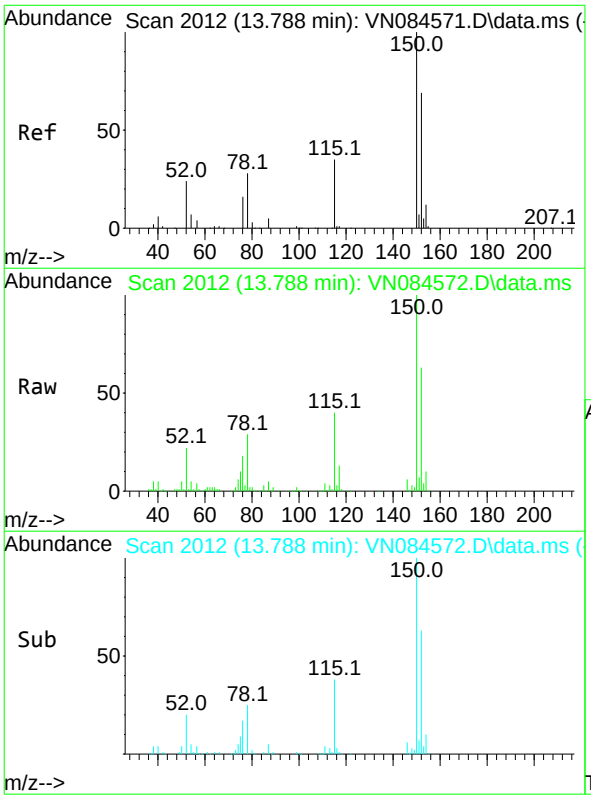
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

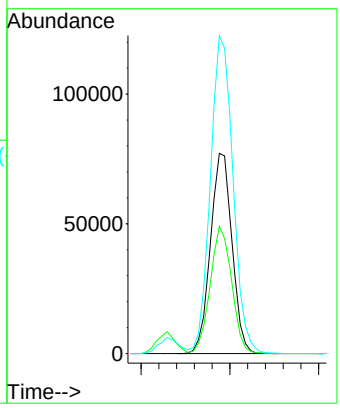
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

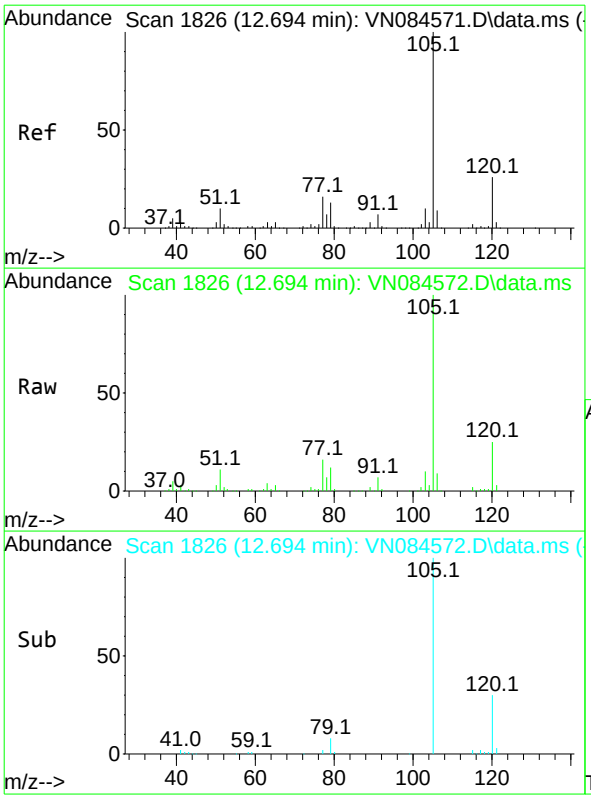


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

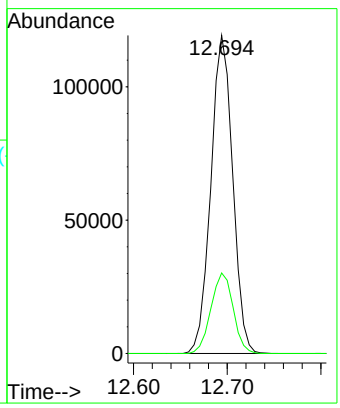




#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 193023

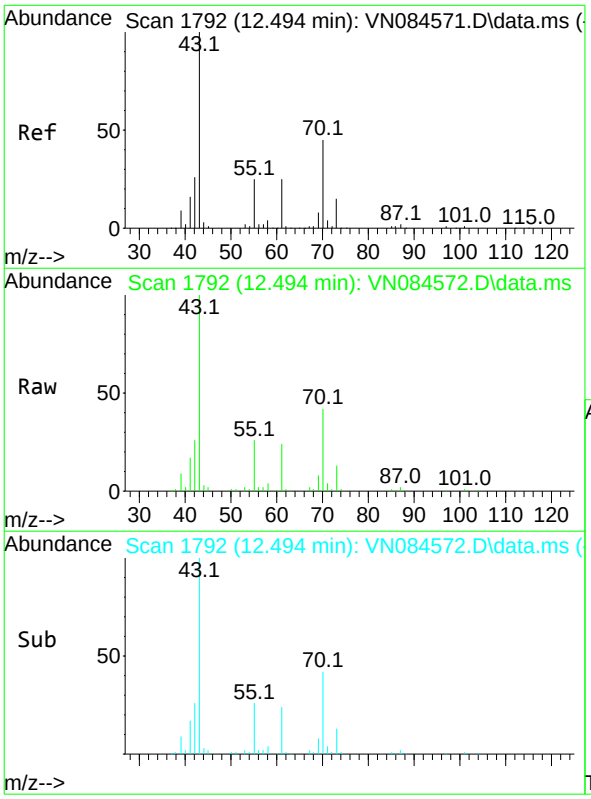
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

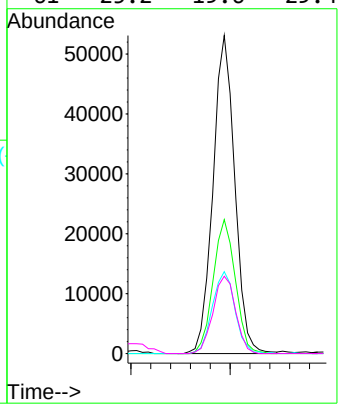
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

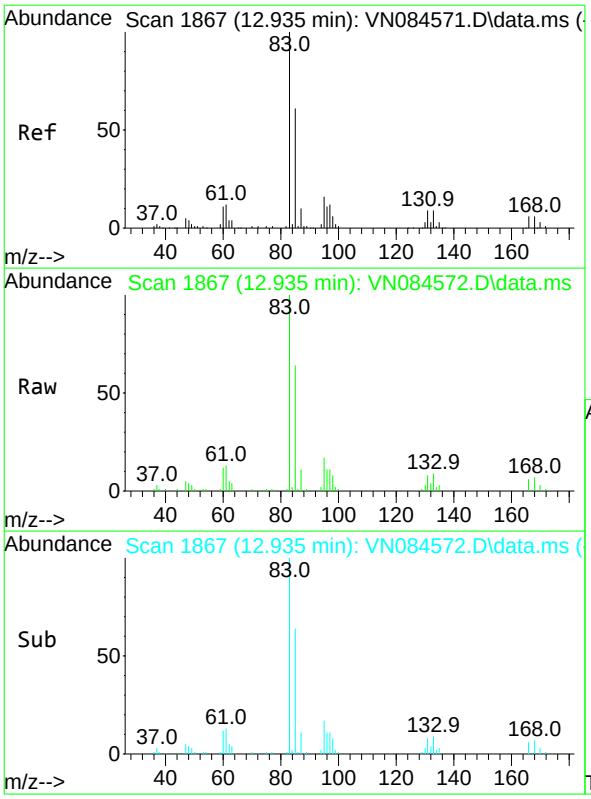


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

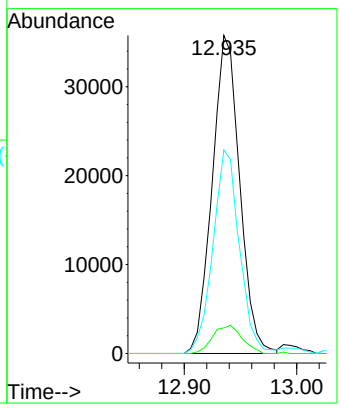




#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 60645

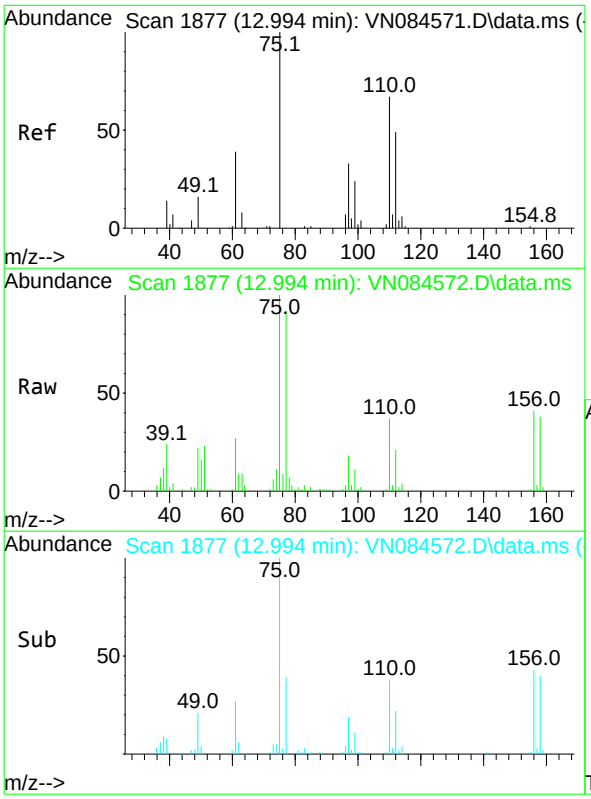
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	61.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

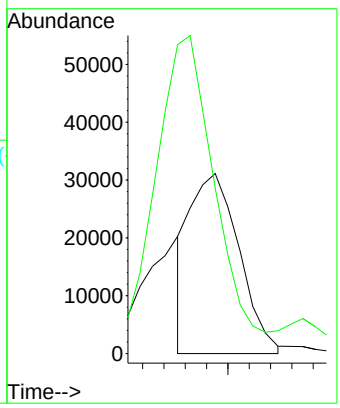
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

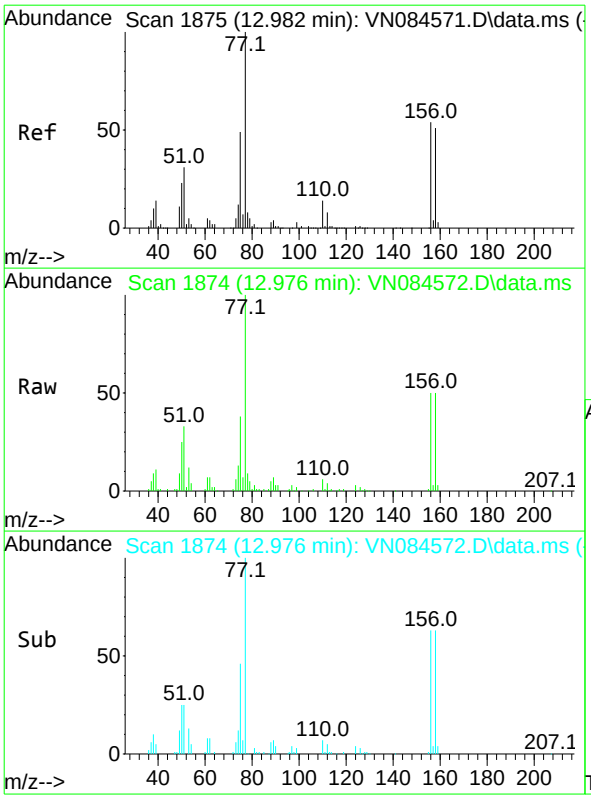


#76
1,2,3-Trichloropropane
Concen: 19.414 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 49947

Ion	Ratio	Lower	Upper
75	100		
77	215.5	96.9	290.7

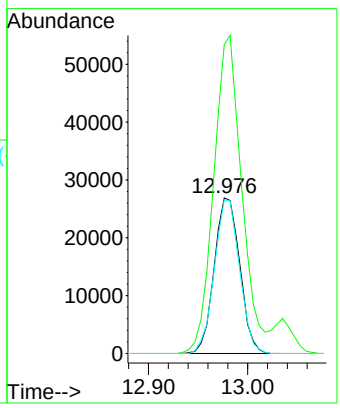




#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:156 Resp: 48017

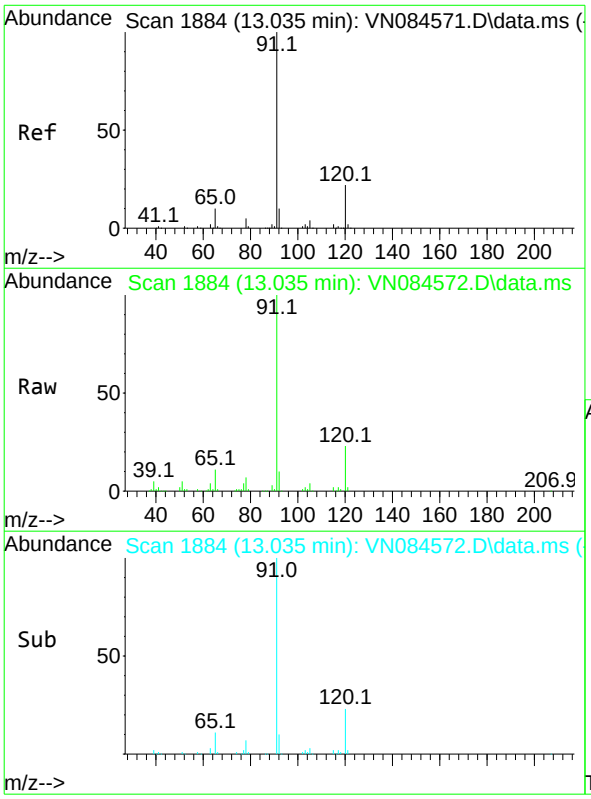
Ion	Ratio	Lower	Upper
156	100		
77	224.2	115.1	345.3
158	97.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

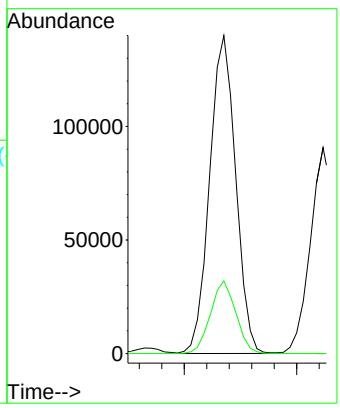
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

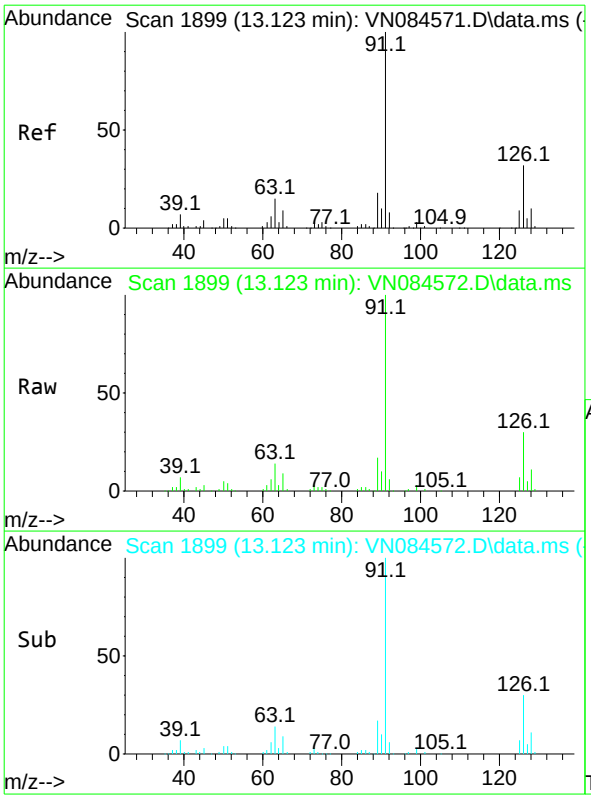


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

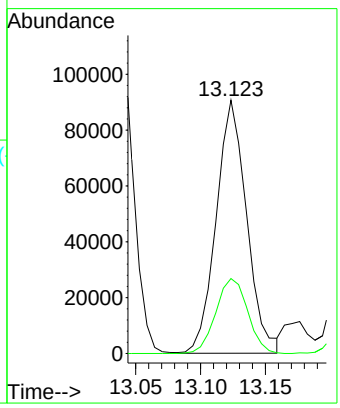




#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 148533

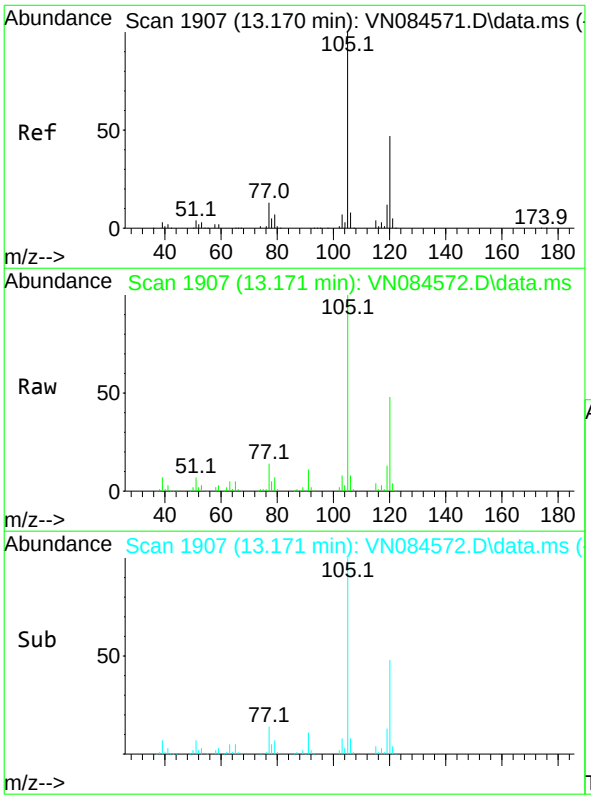
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

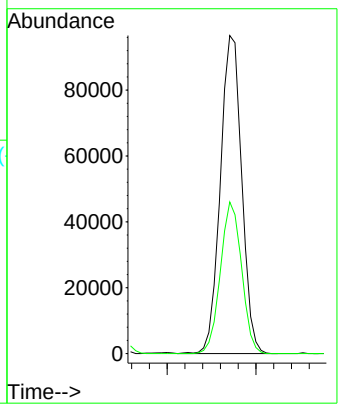
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

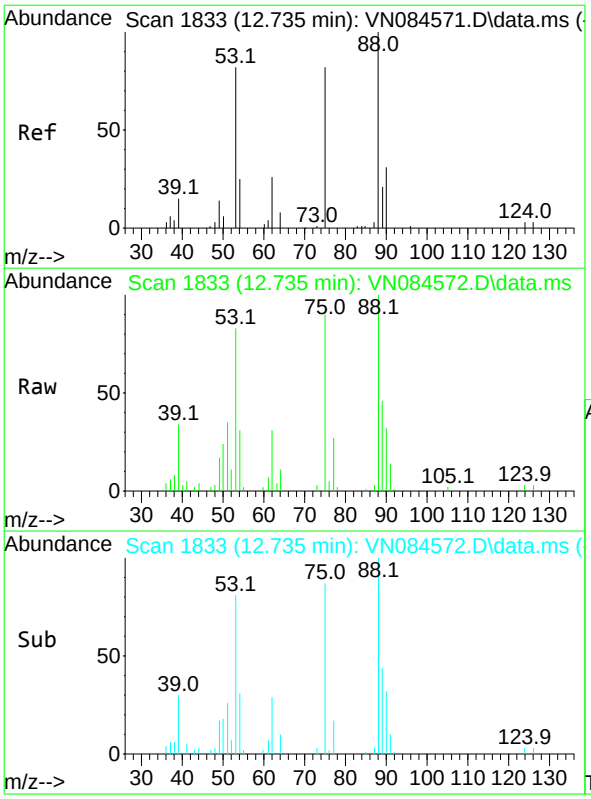


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1

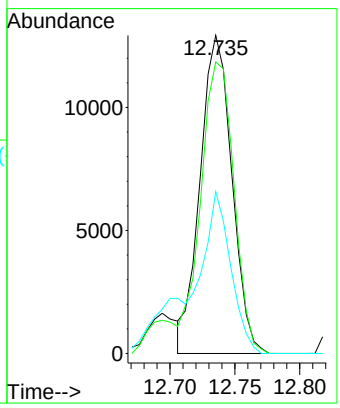




#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 22047

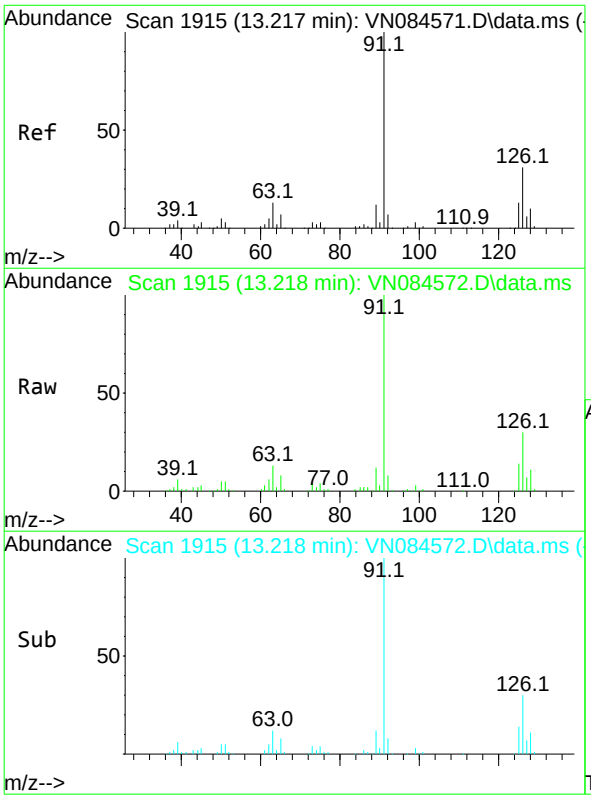
Ion	Ratio	Lower	Upper
75	100		
53	106.0	78.0	117.0
89	64.0	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

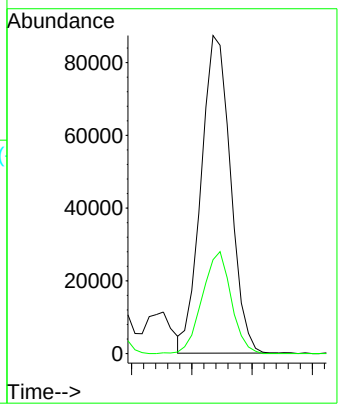
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

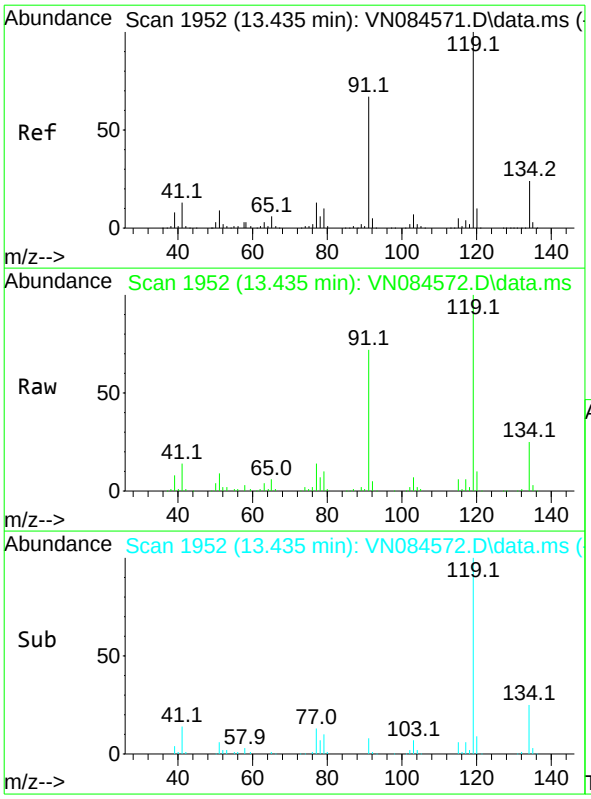


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

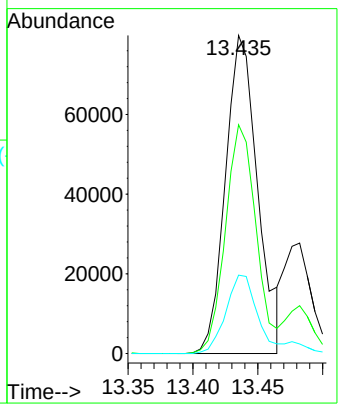




#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:119 Resp: 138079

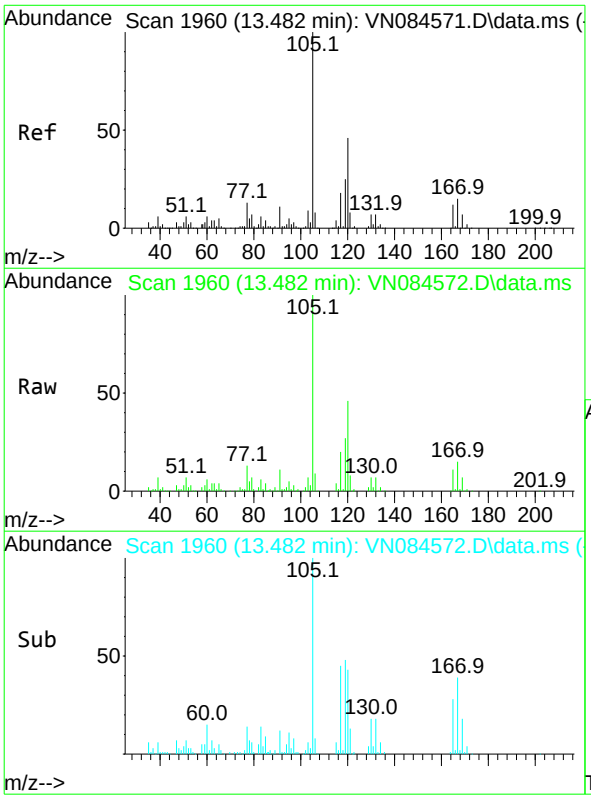
Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.1	102.3
134	26.4	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

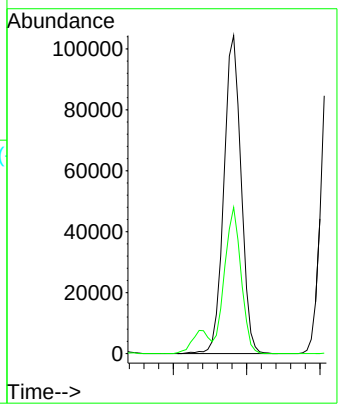
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

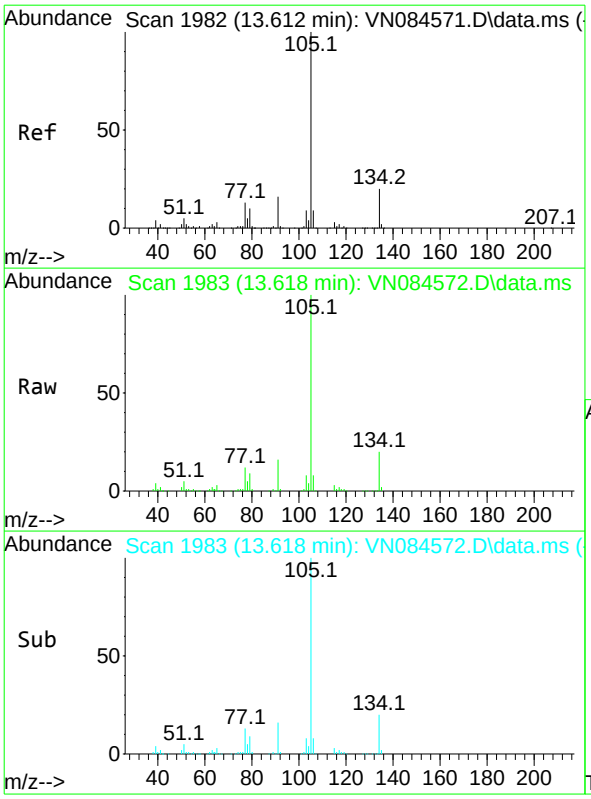


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8

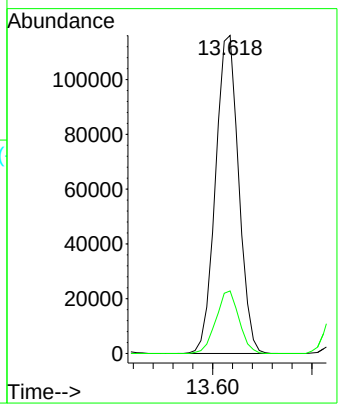




#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 188158

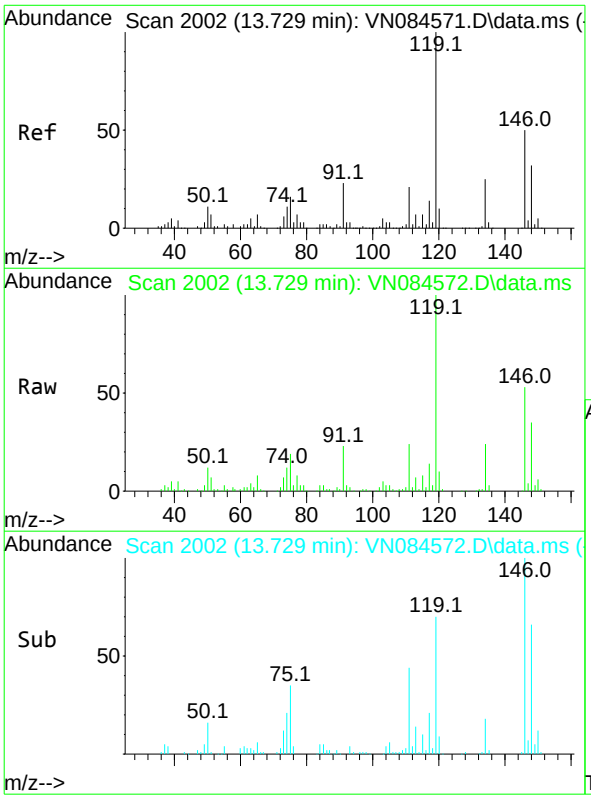
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

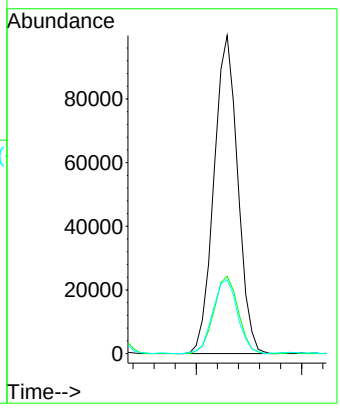
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

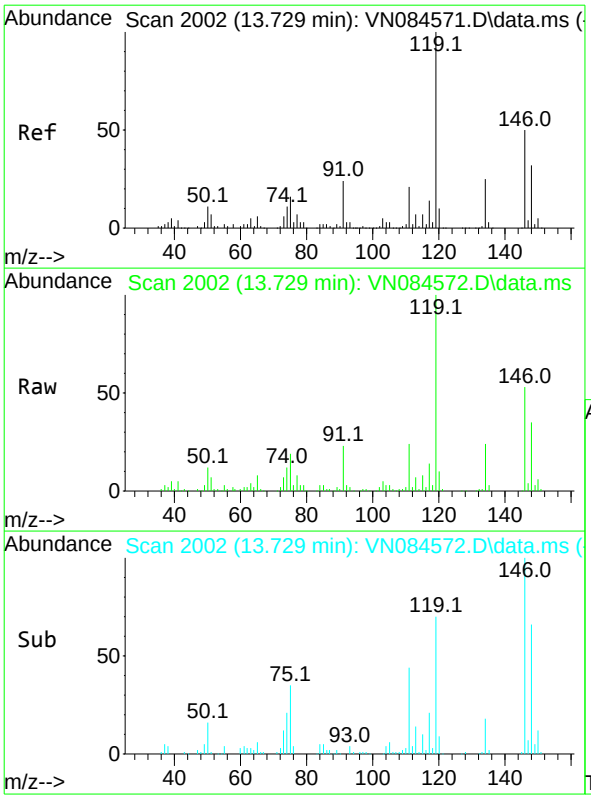


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

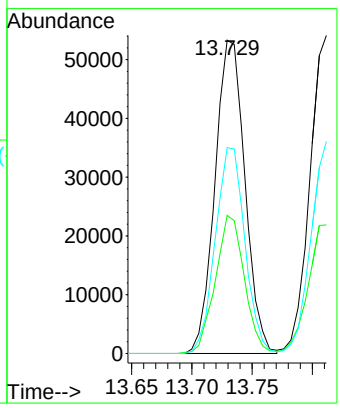




#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 92310

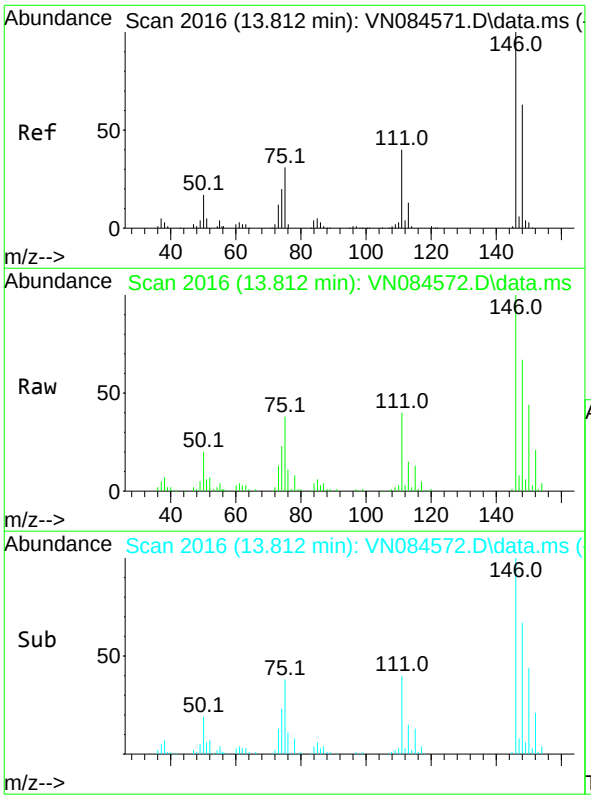
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

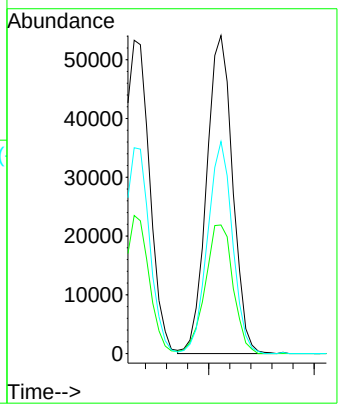
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

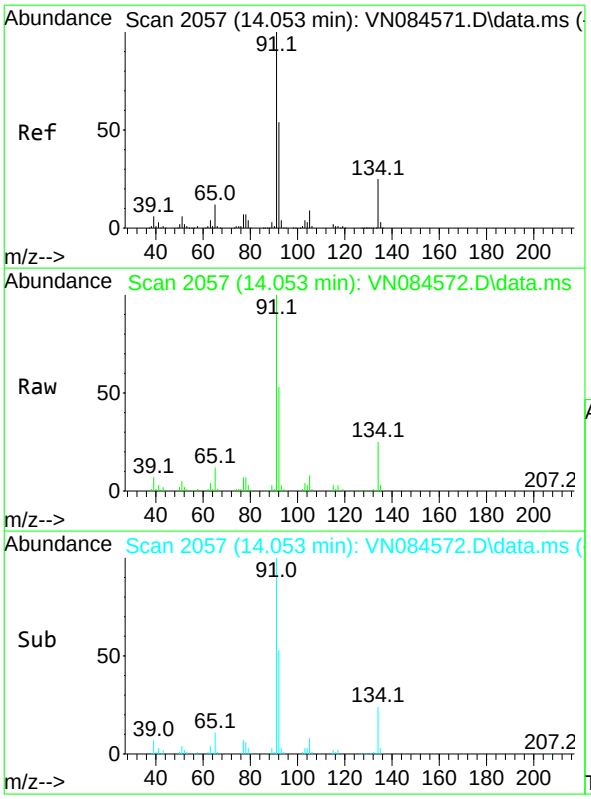


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

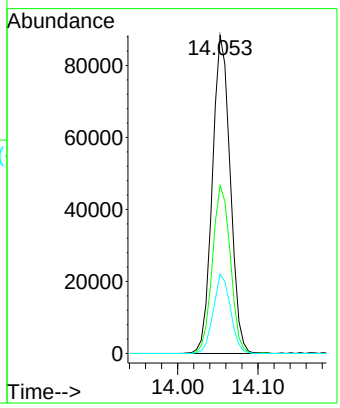




#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 136771

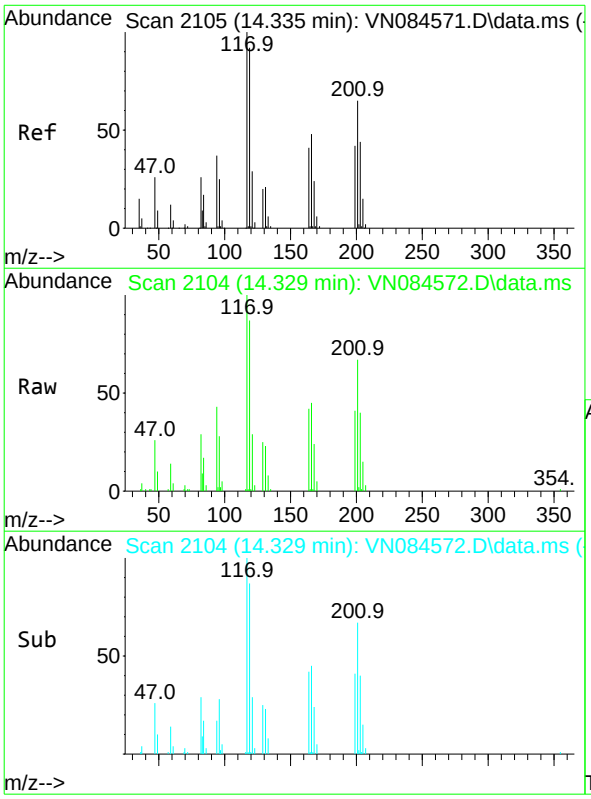
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.6	79.7
134	24.0	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

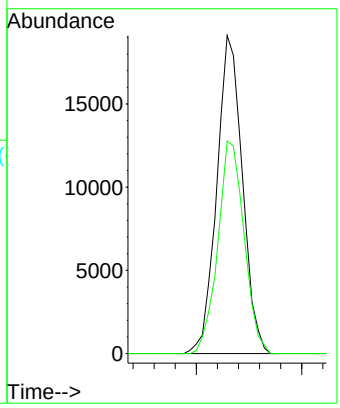
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

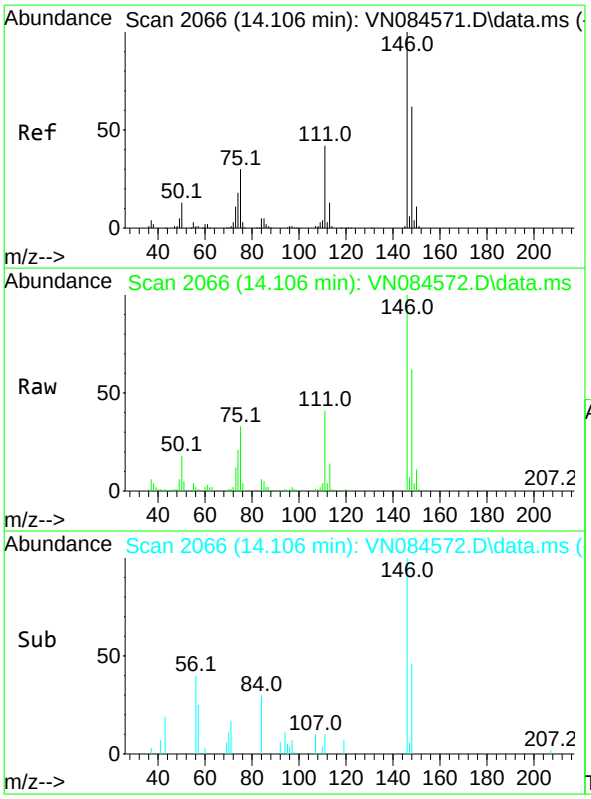


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2

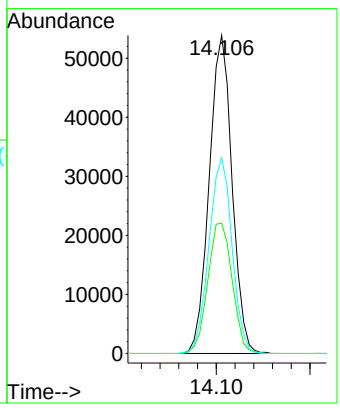




#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:146 Resp: 91138

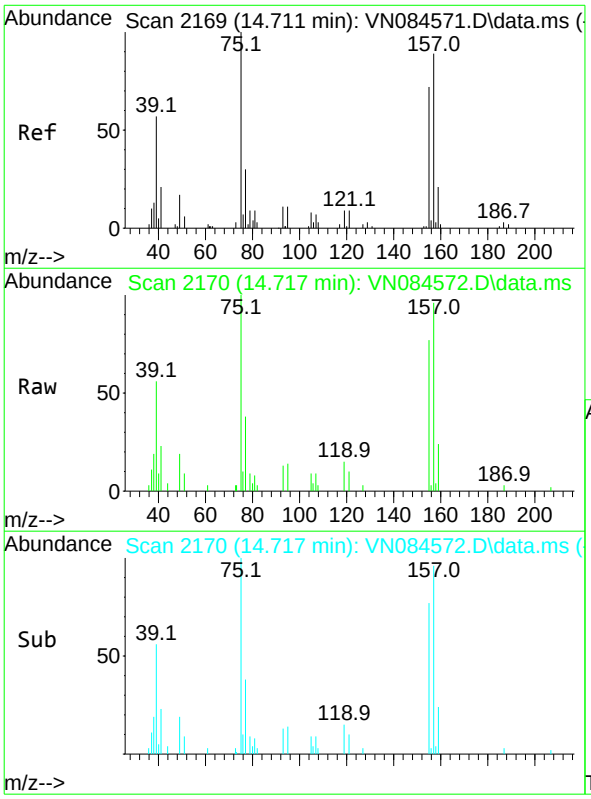
Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	62.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

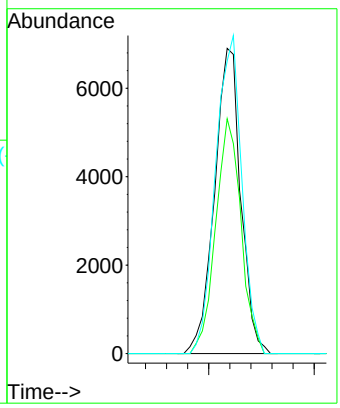
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

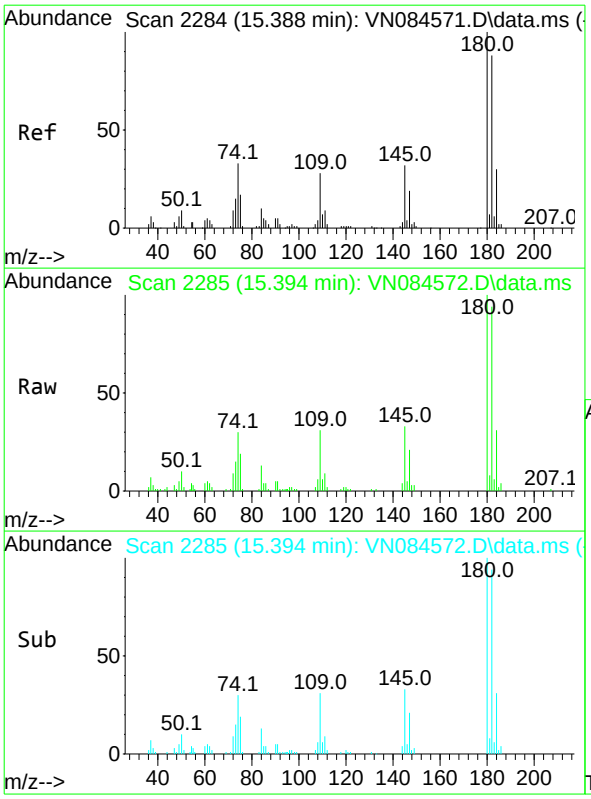


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

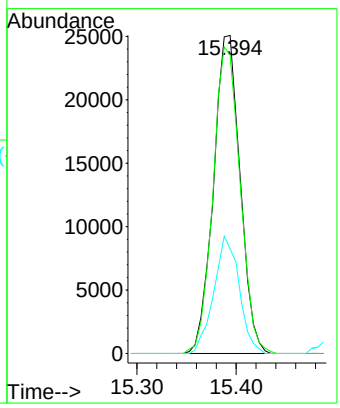




#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:180 Resp: 46698

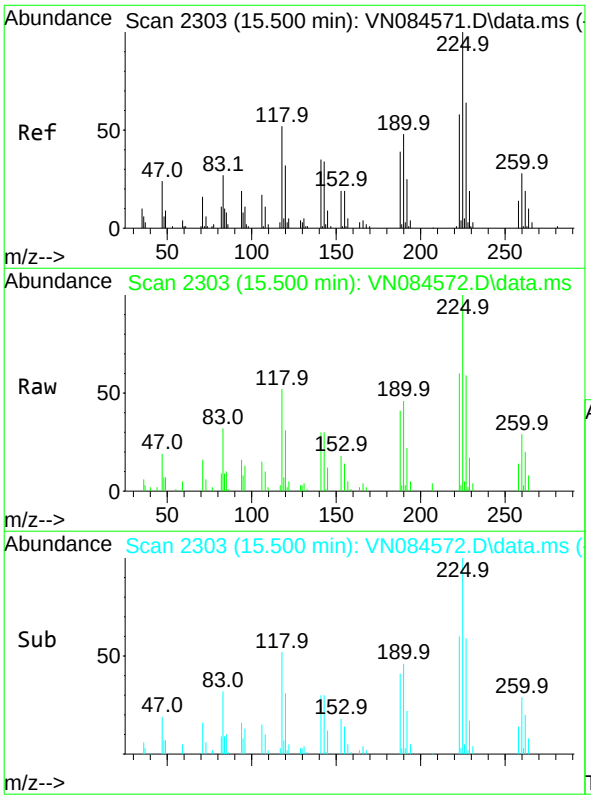
Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.0	141.0
145	35.2	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

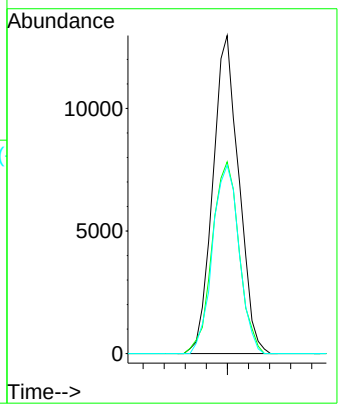
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

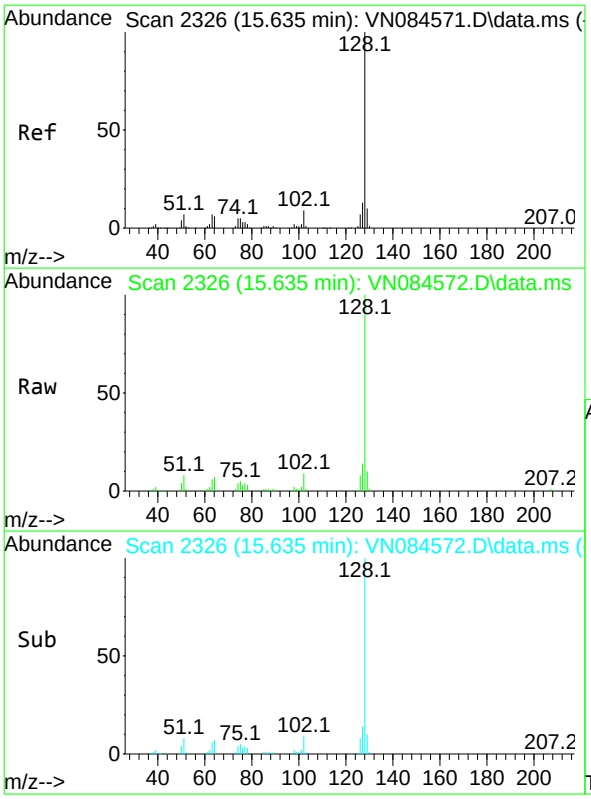


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

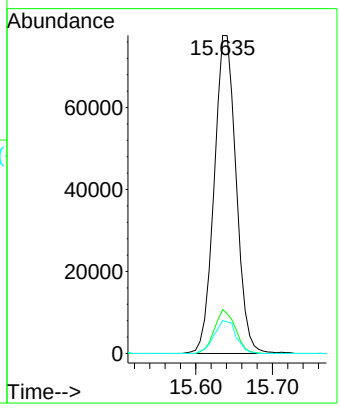




#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:128 Resp: 153972

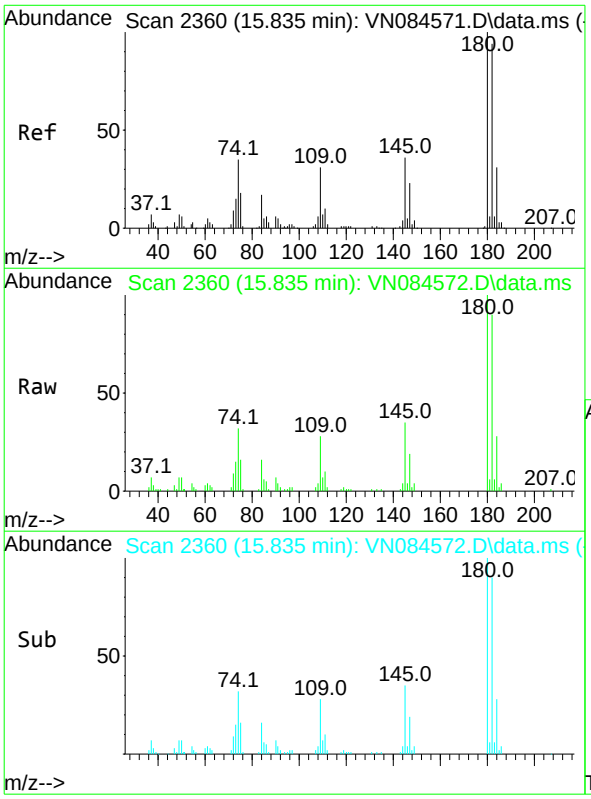
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.5	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

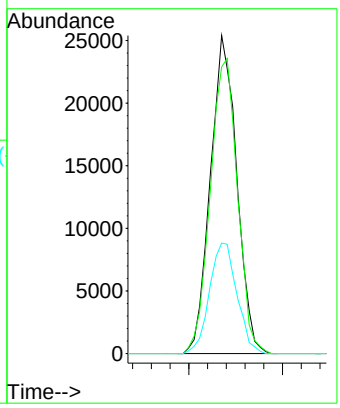
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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

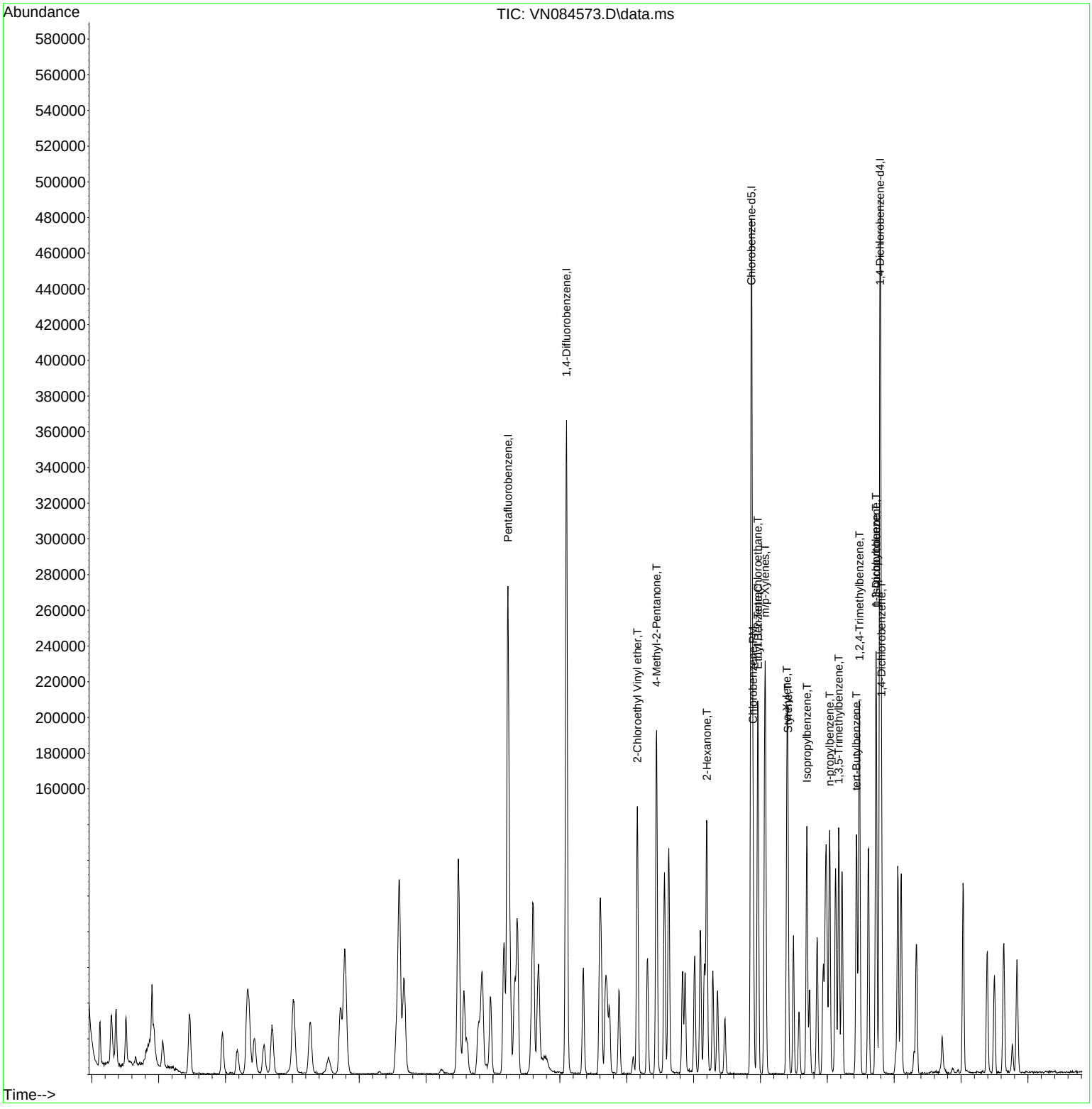
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

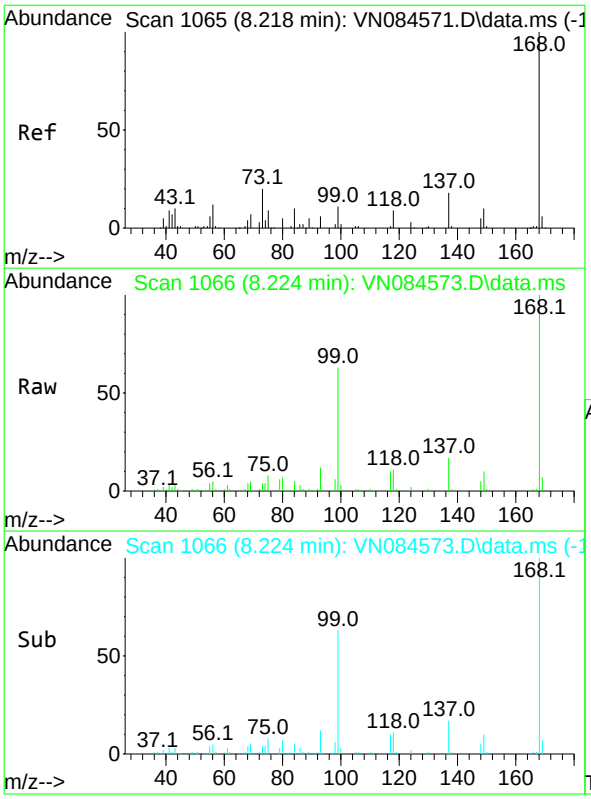
Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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

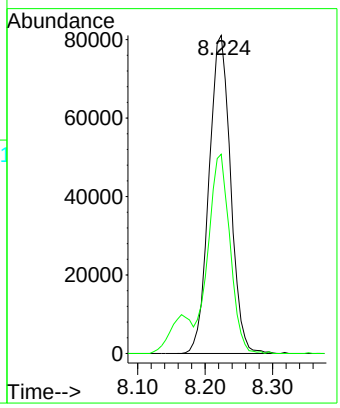




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:168 Resp: 179863

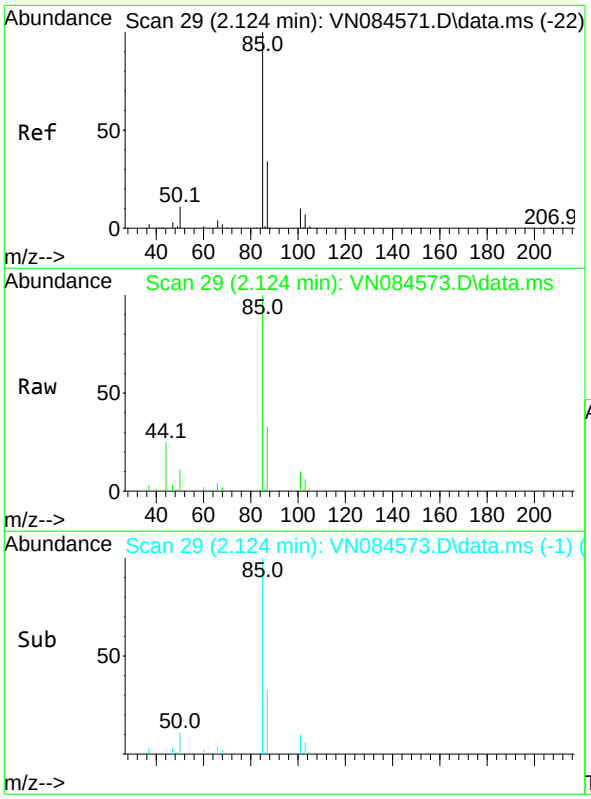
Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

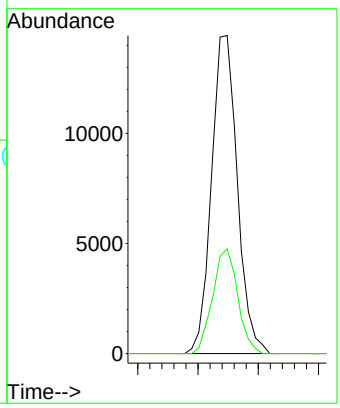
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

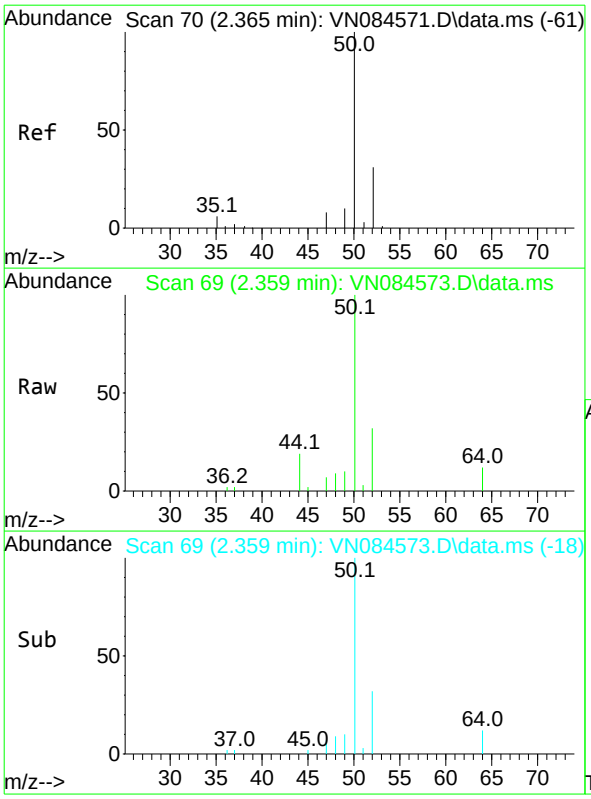


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9

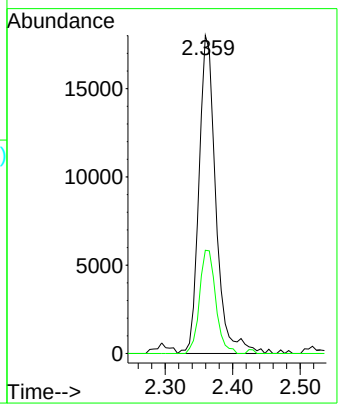




#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 50 Resp: 31342

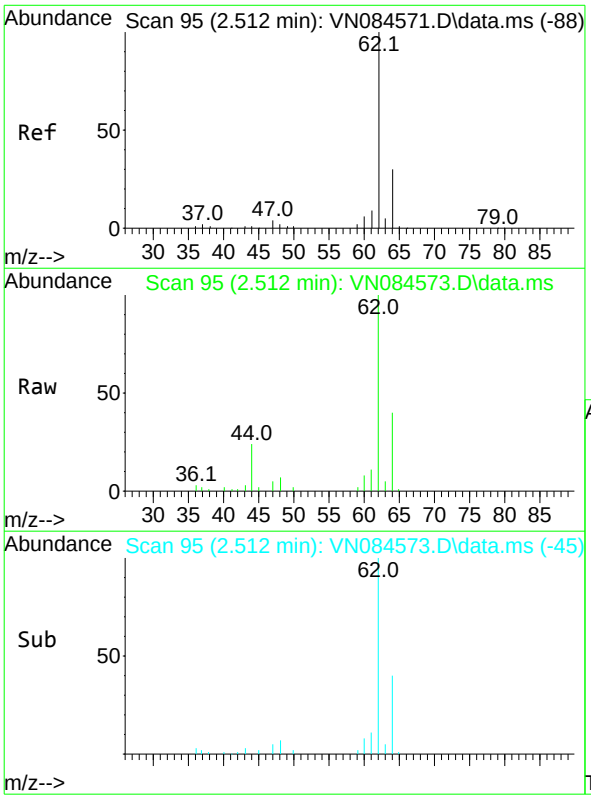
Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

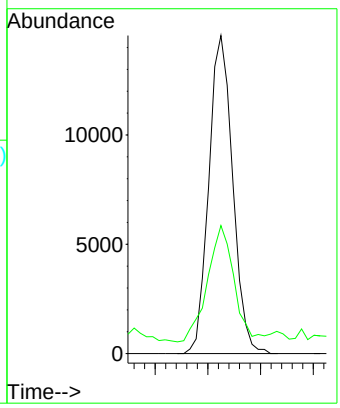
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

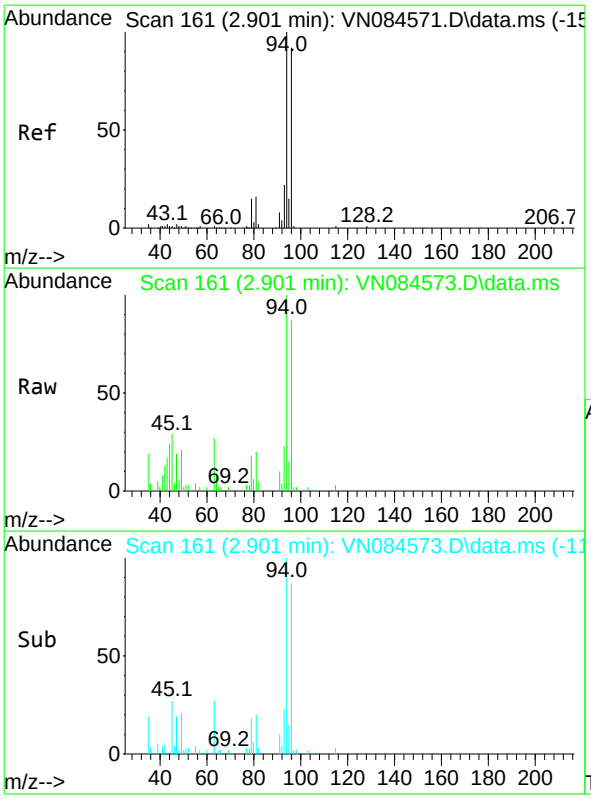


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4

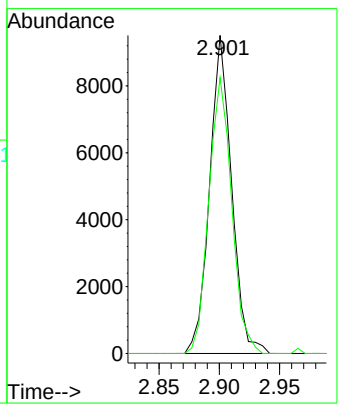




#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 94 Resp: 12071

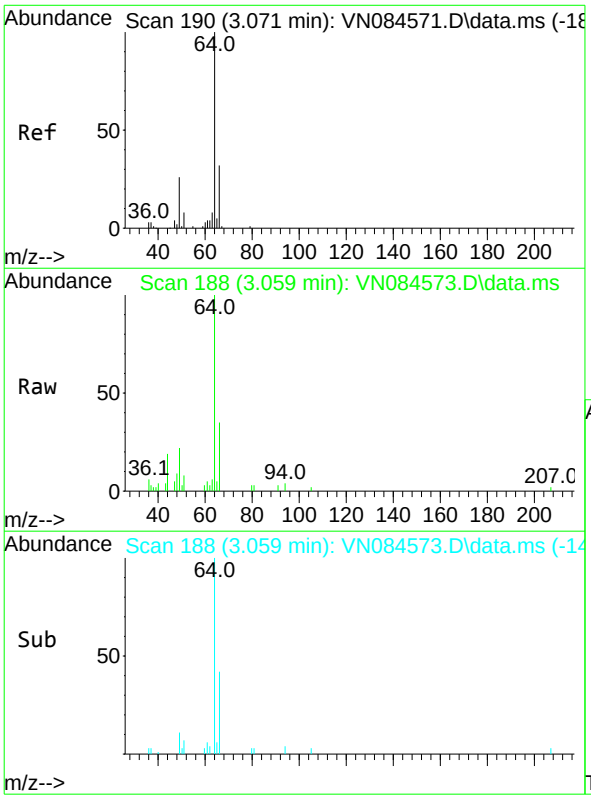
Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

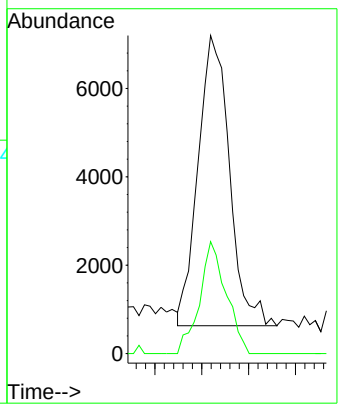
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

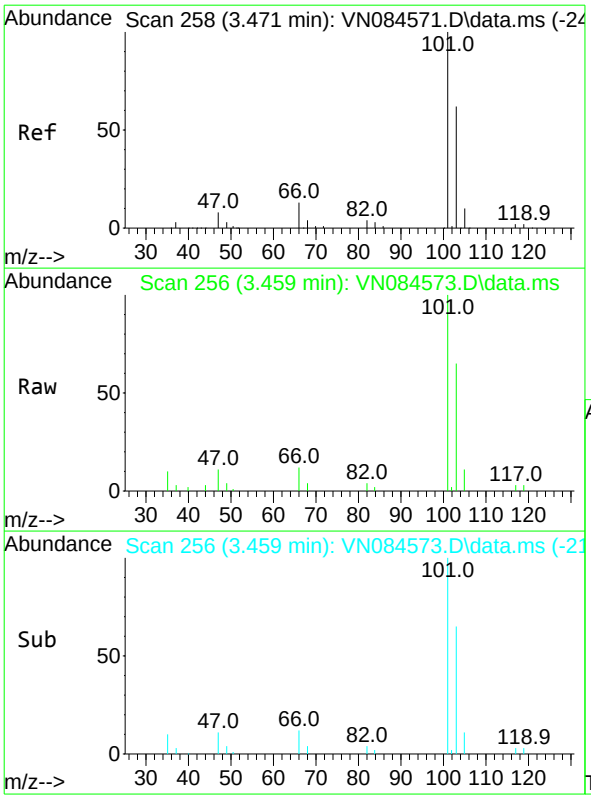


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#

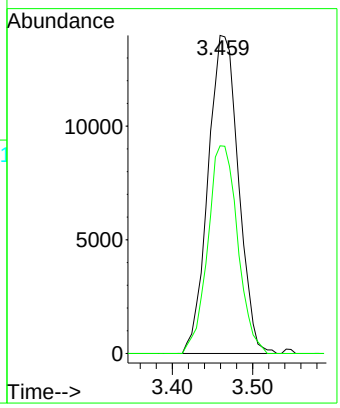




#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 25
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 36747

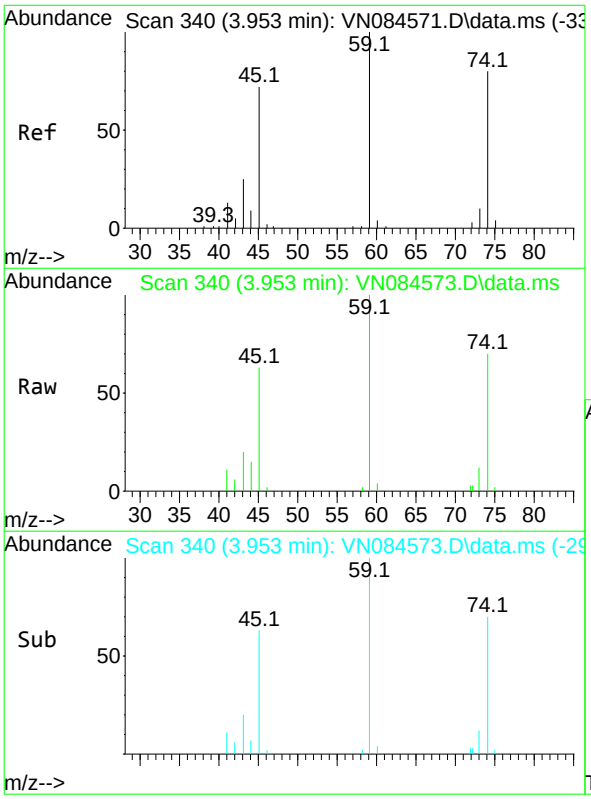
Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

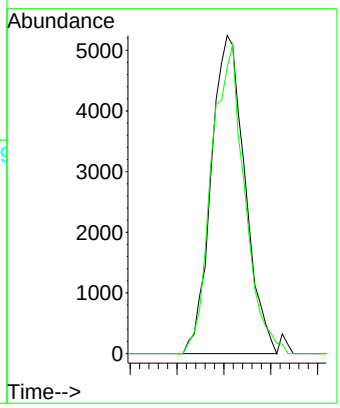
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

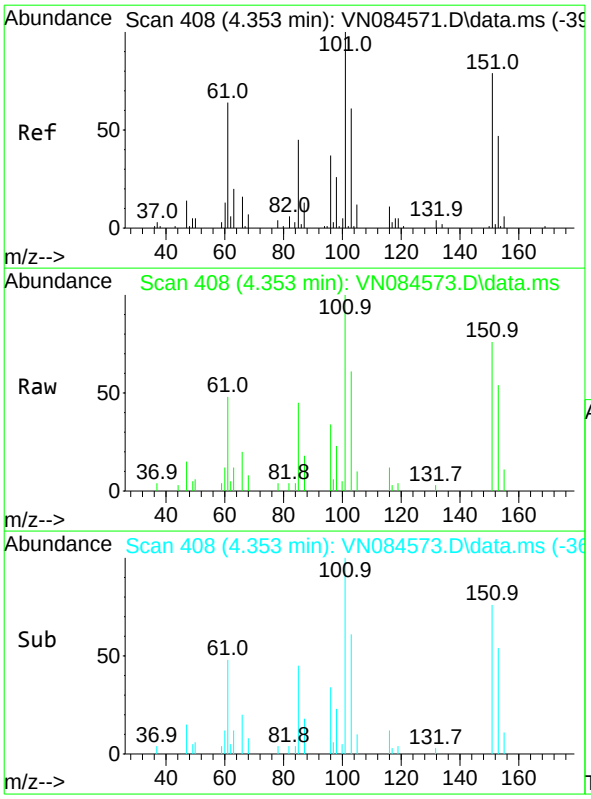


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1

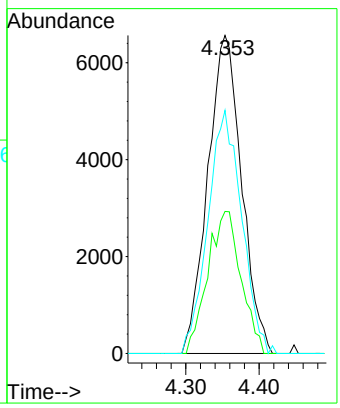




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:101 Resp: 21028

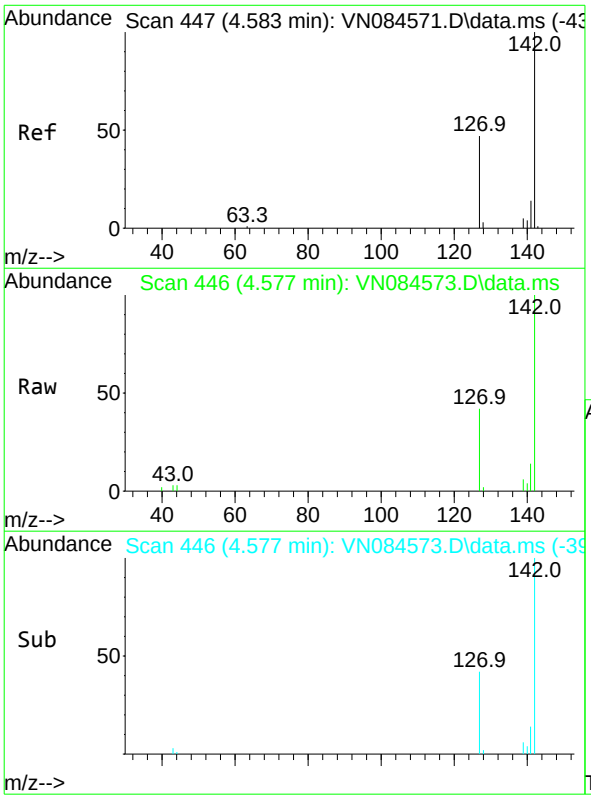
Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	76.4	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

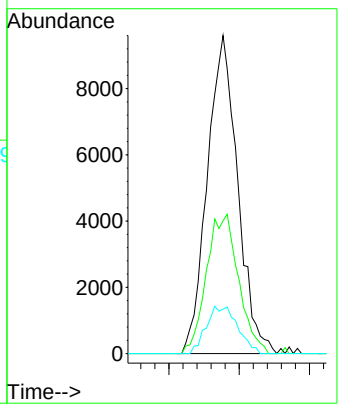
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

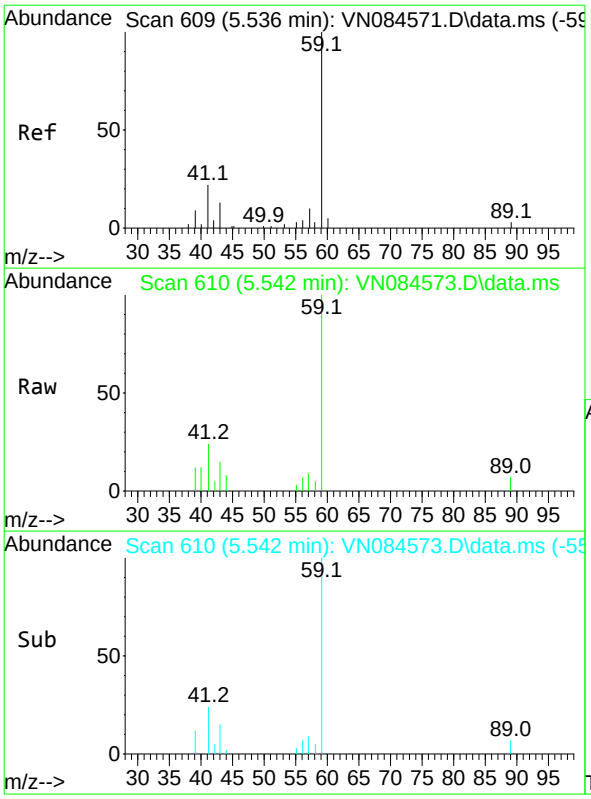


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

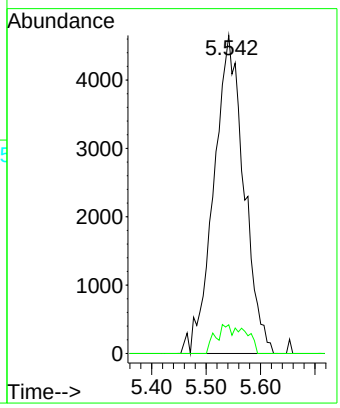




#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 59 Resp: 17899

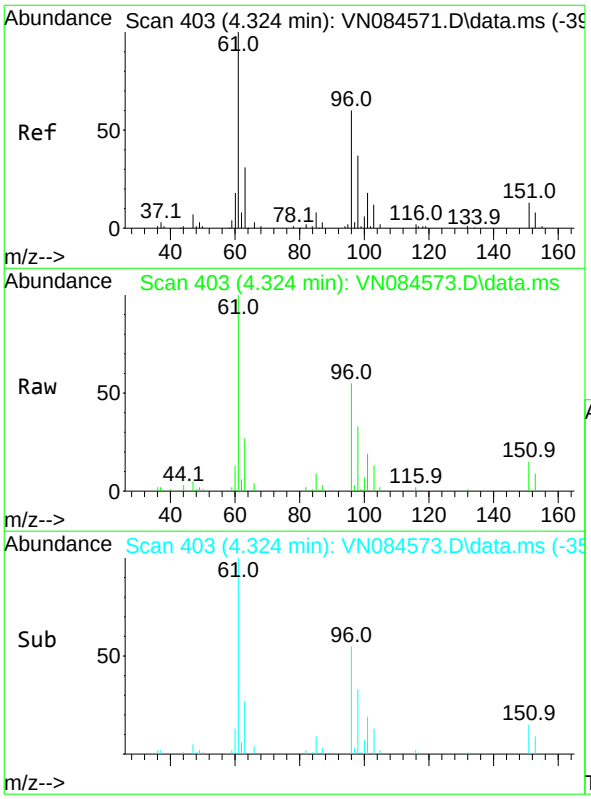
Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

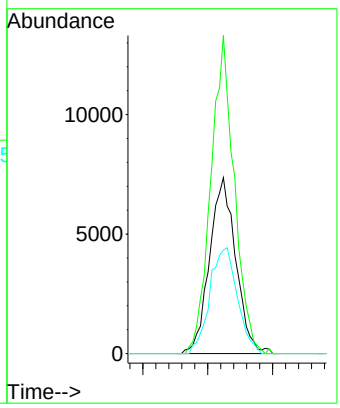
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

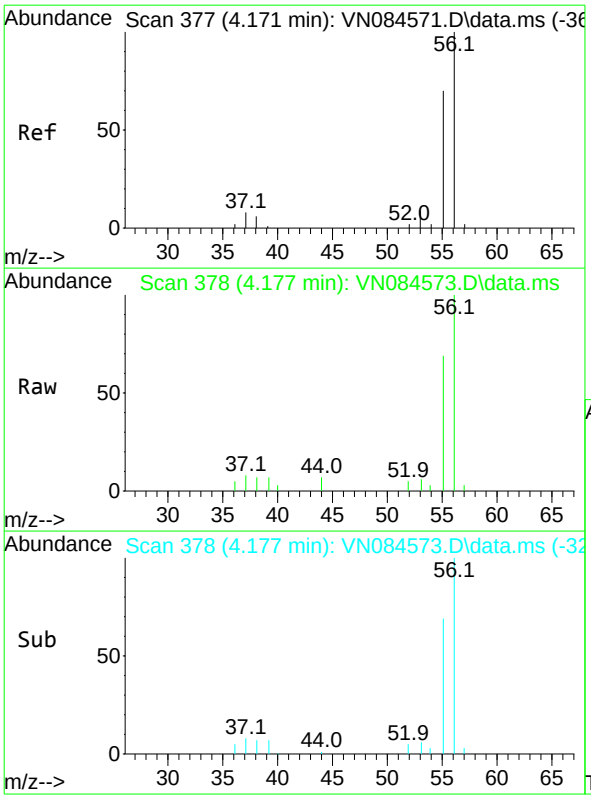


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

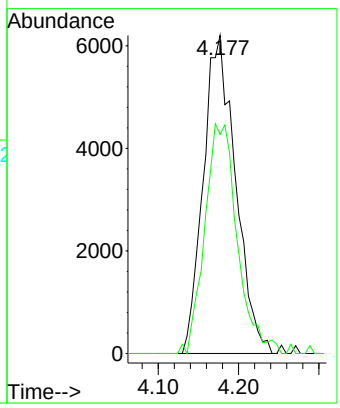




#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 17284

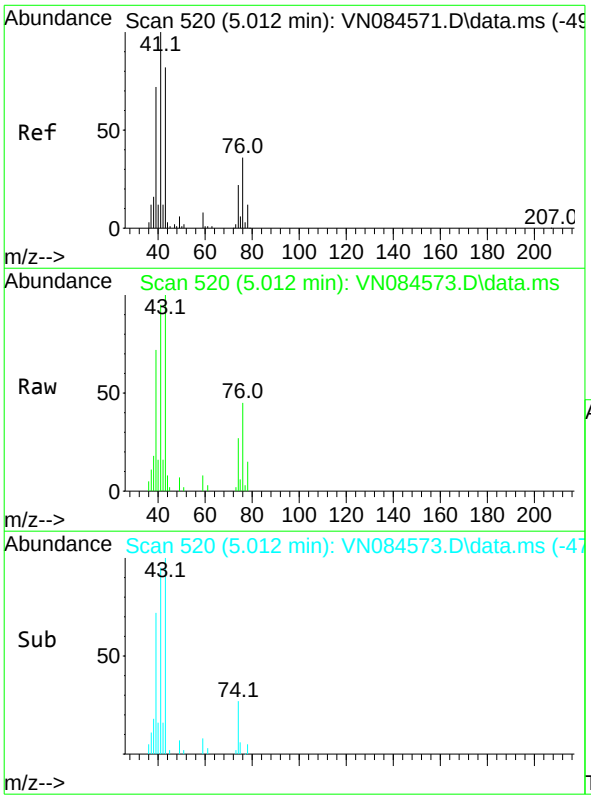
Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

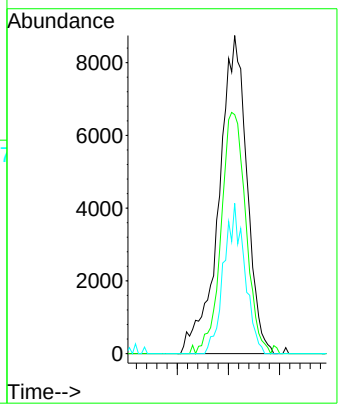
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

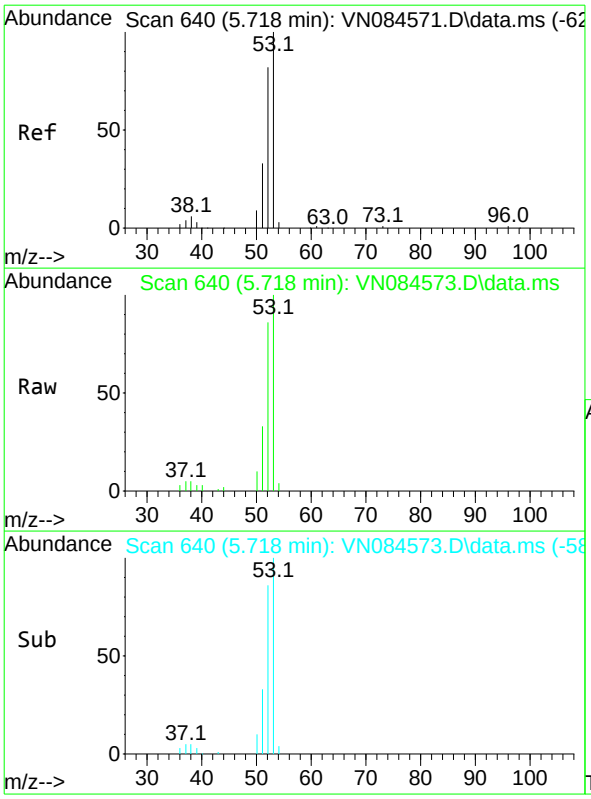


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

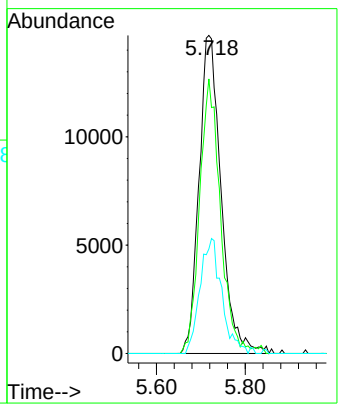




#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 53 Resp: 50731

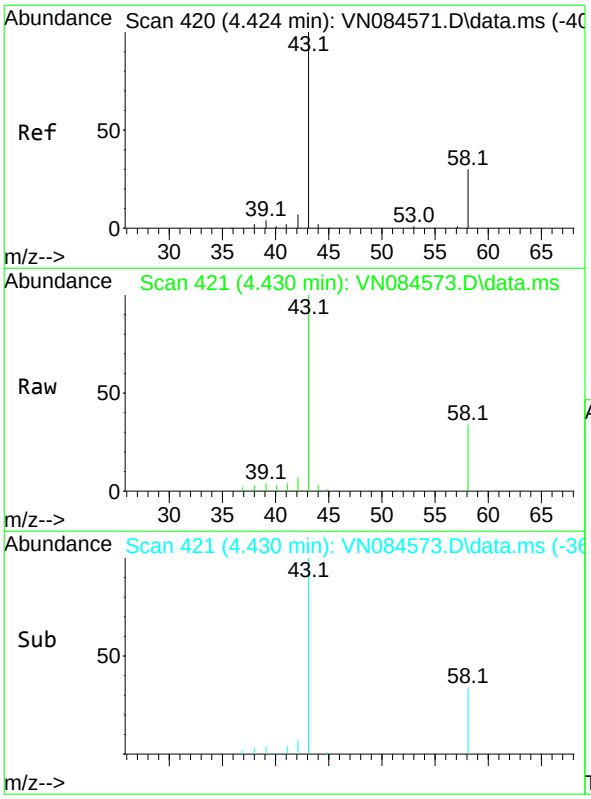
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	35.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

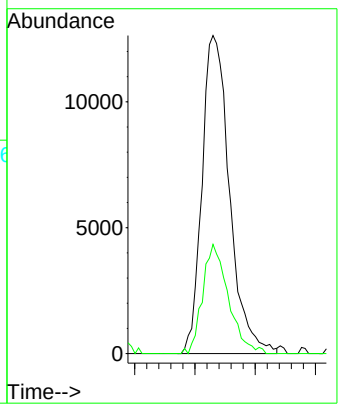
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

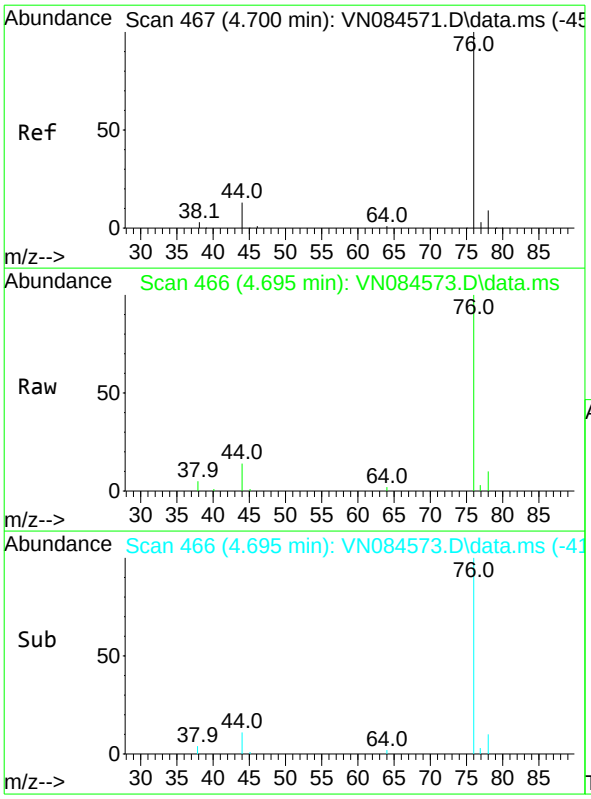


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6

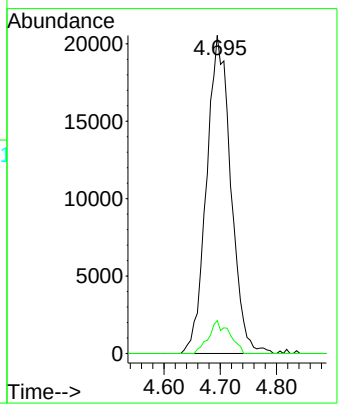




#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 46
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 61652

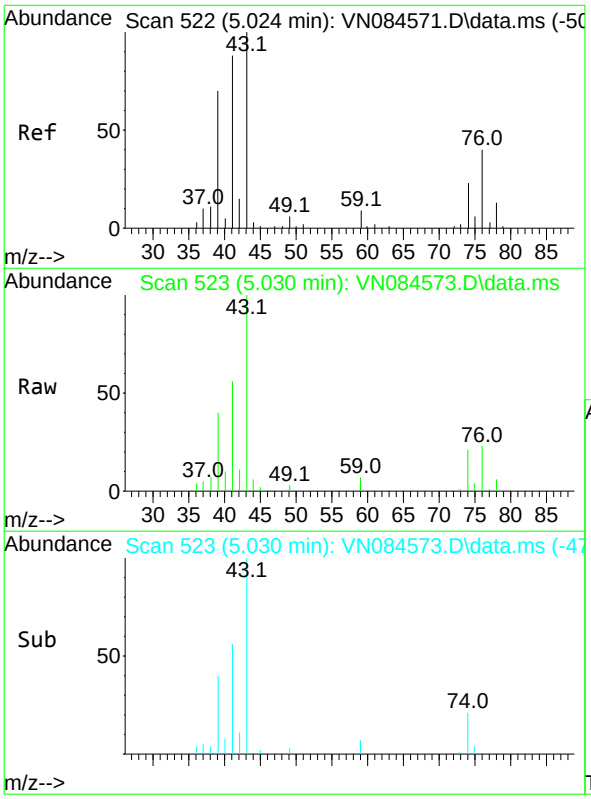
Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

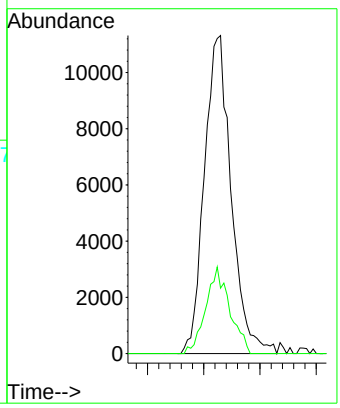
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

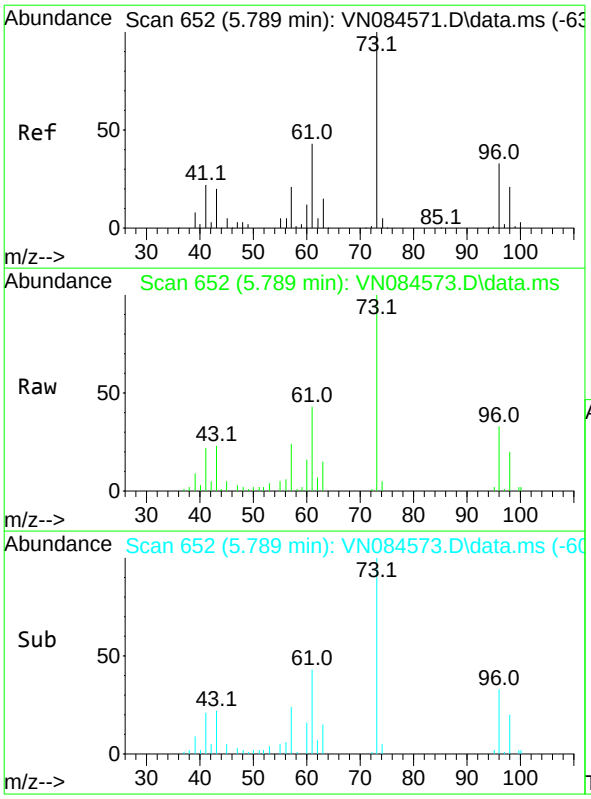


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8

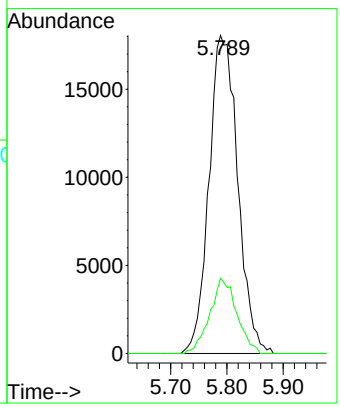




#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 73 Resp: 64007

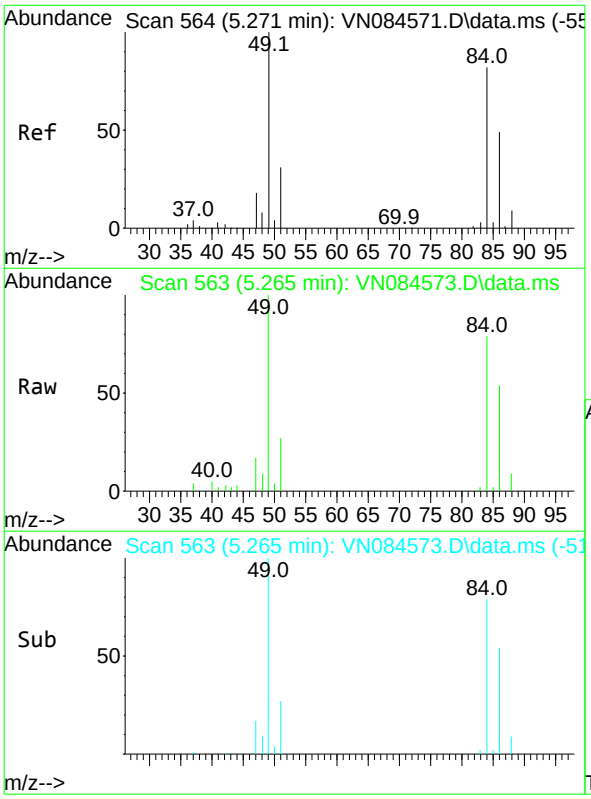
Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

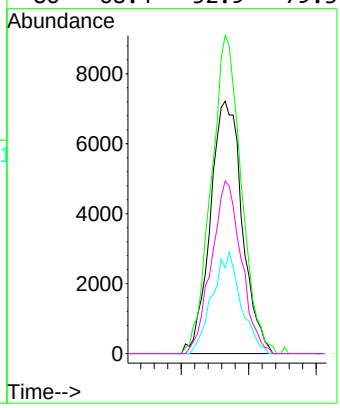
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

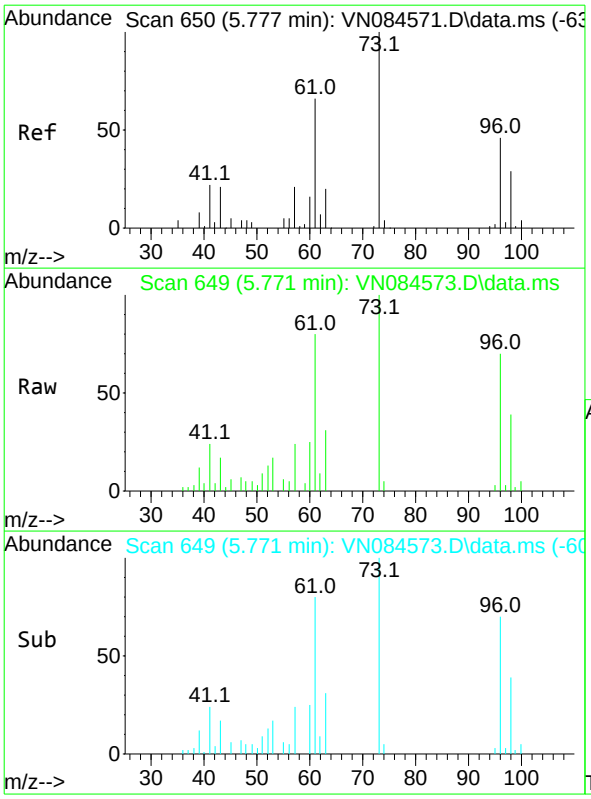


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

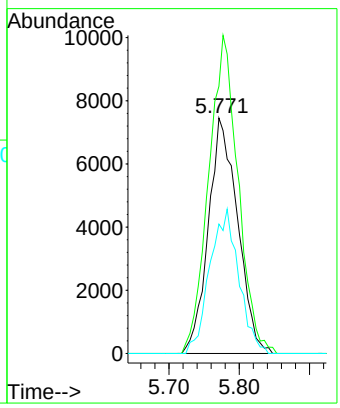




#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 21581

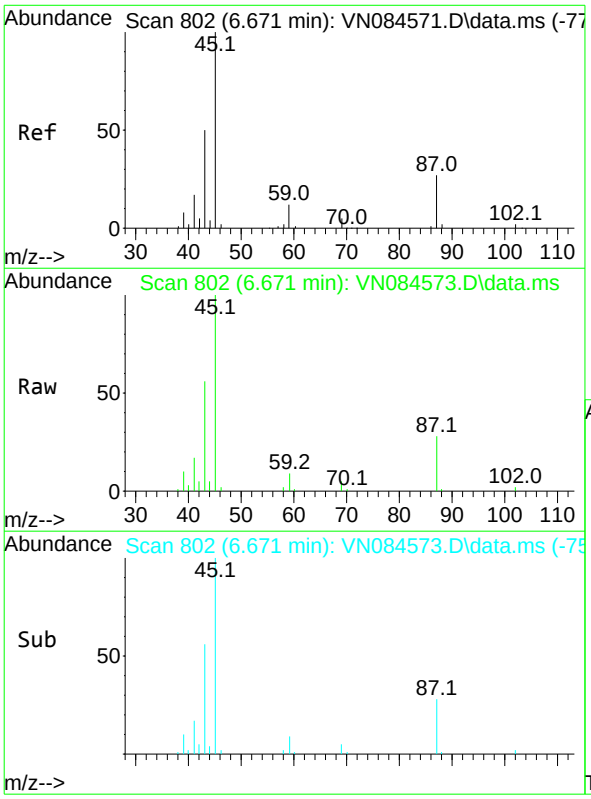
Ion	Ratio	Lower	Upper
96	100		
61	113.5	108.4	162.6
98	55.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

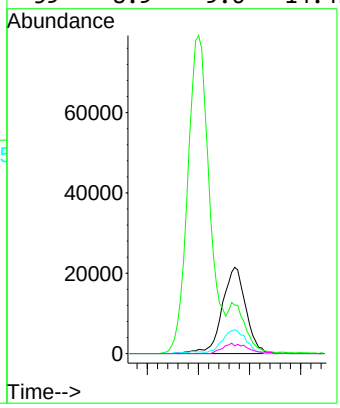
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

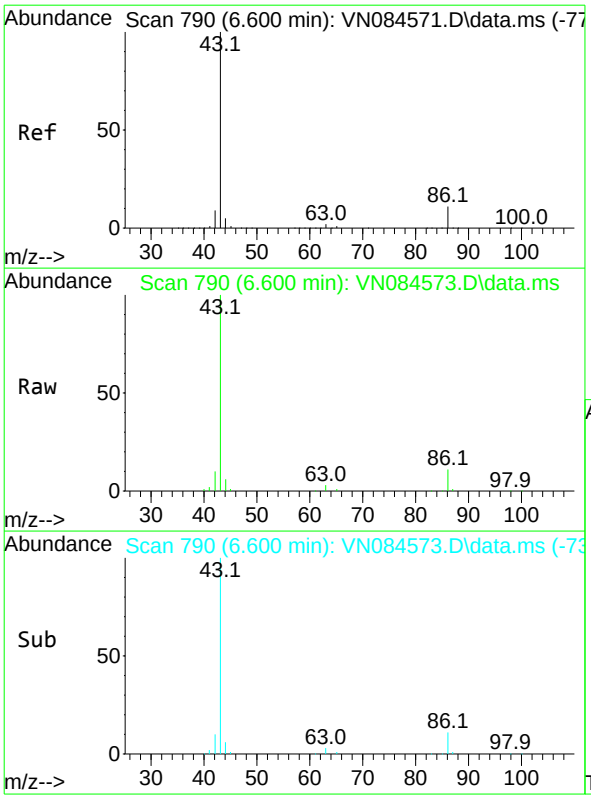


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#

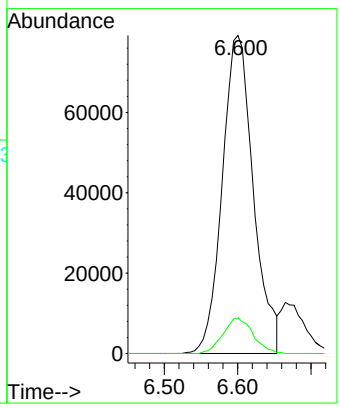




#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 233407

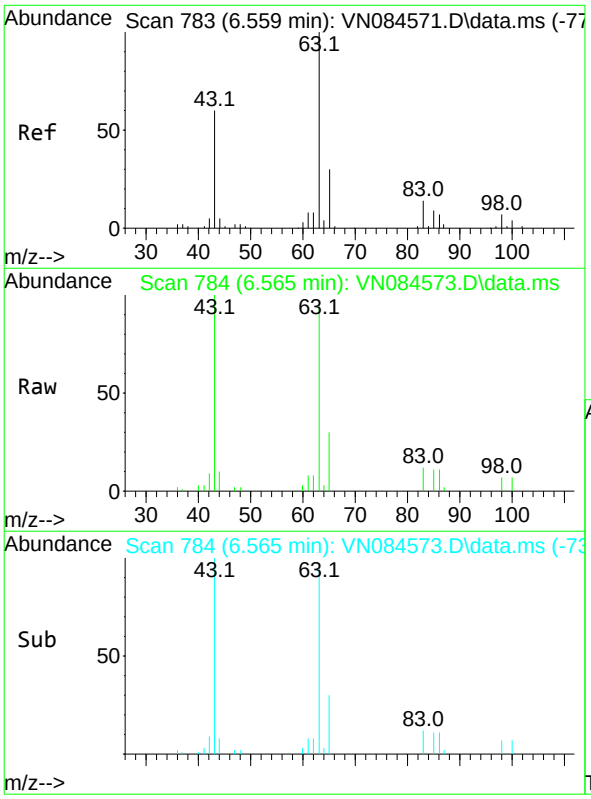
Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

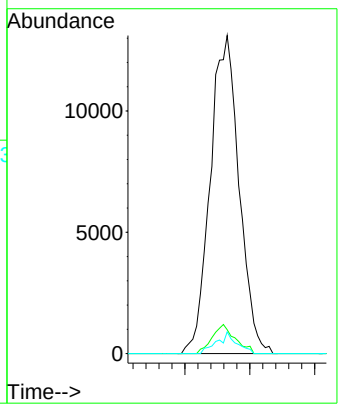
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

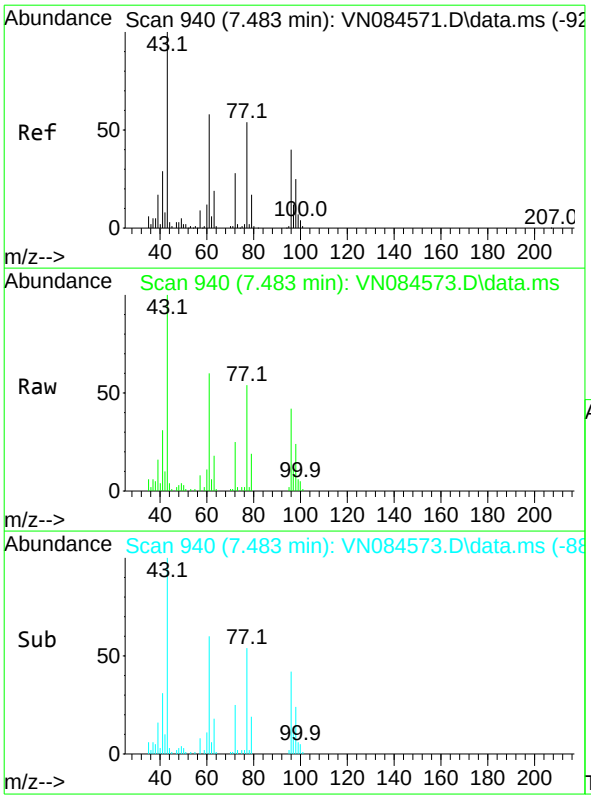


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#

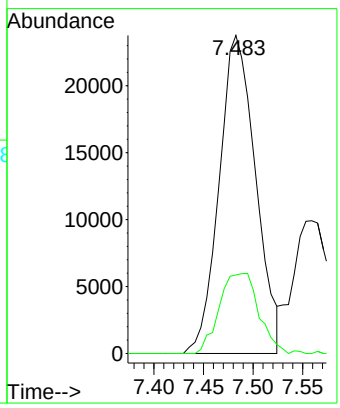




#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 60876

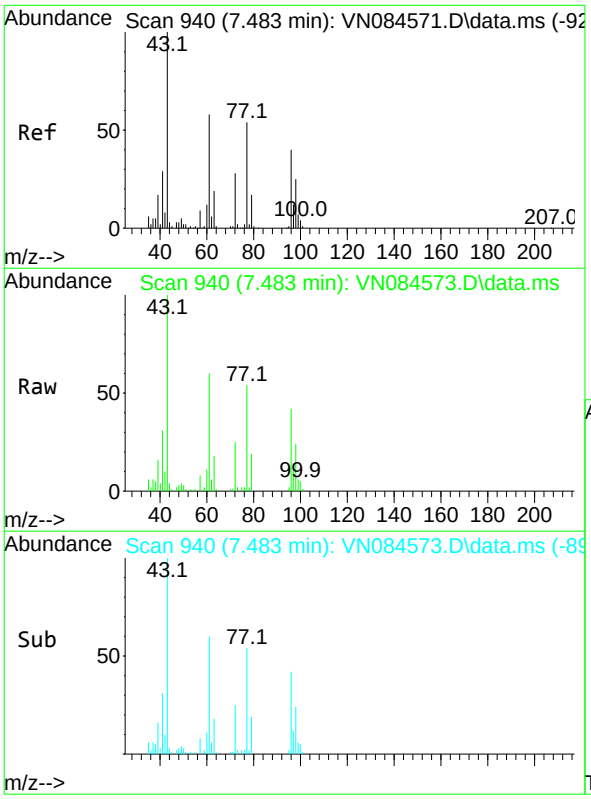
Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

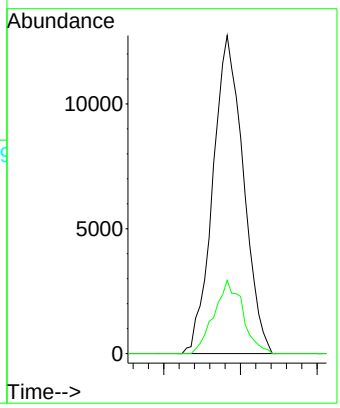
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

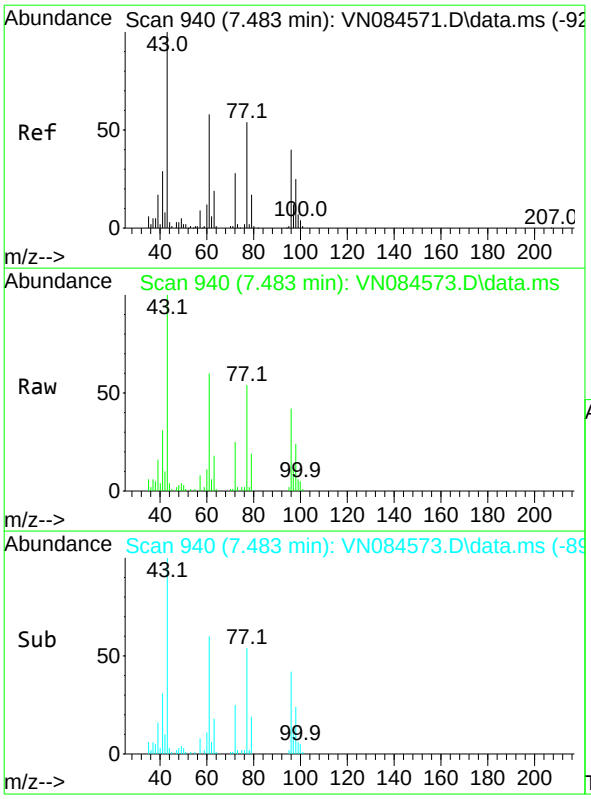


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

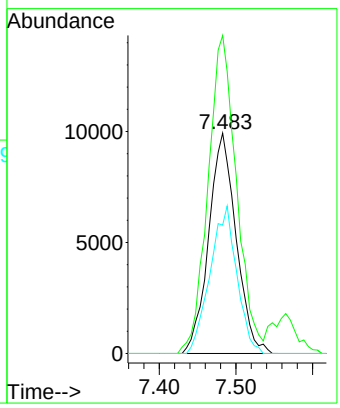




#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 96 Resp: 24626

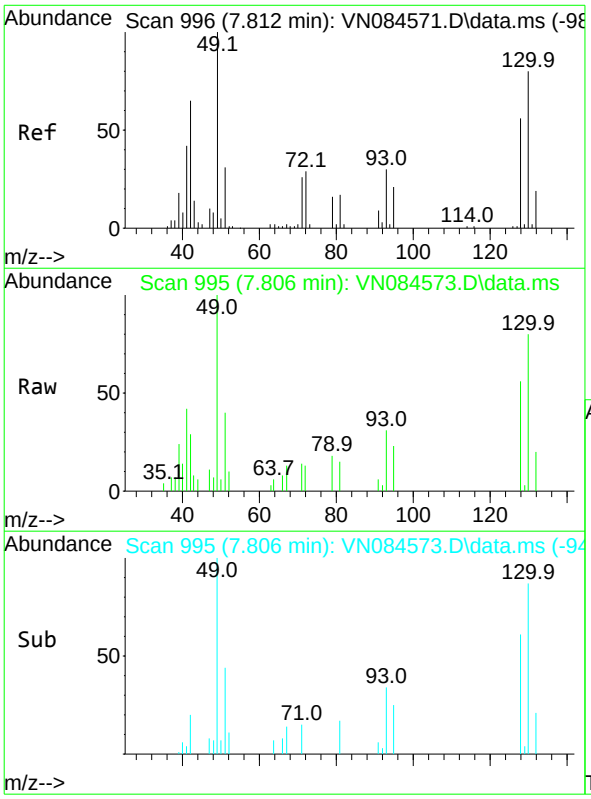
Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	301.8
98	65.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

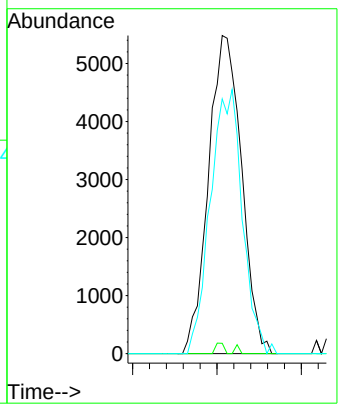
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

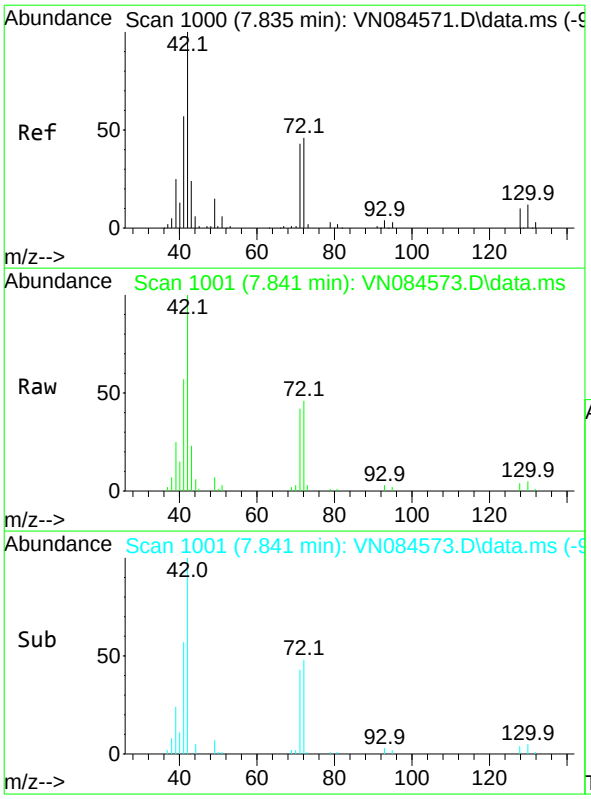


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#

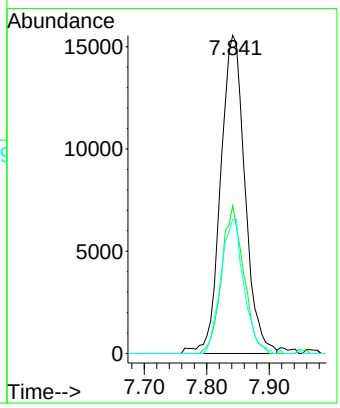




#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 42 Resp: 42072

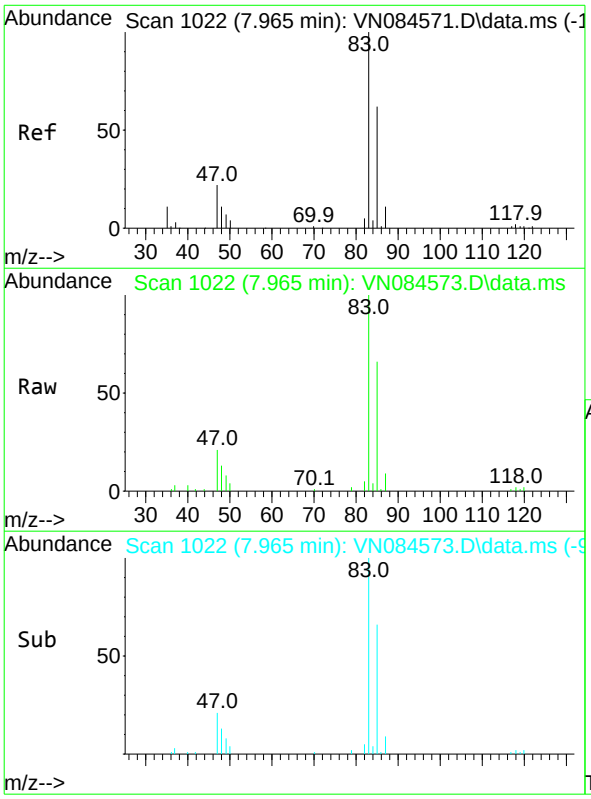
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.6	51.8
71	40.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

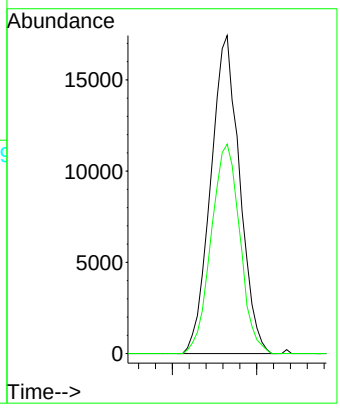
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

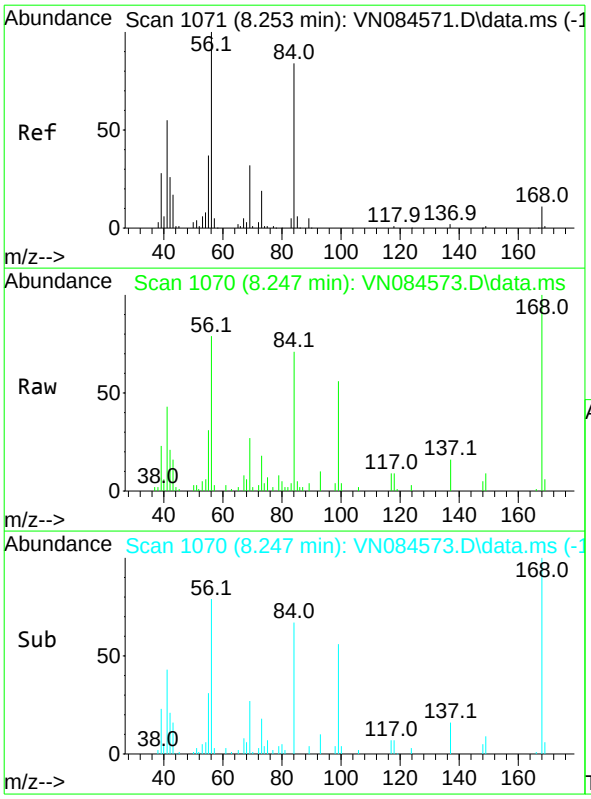


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4

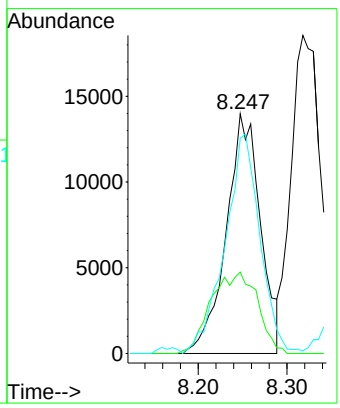




#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 56 Resp: 37514

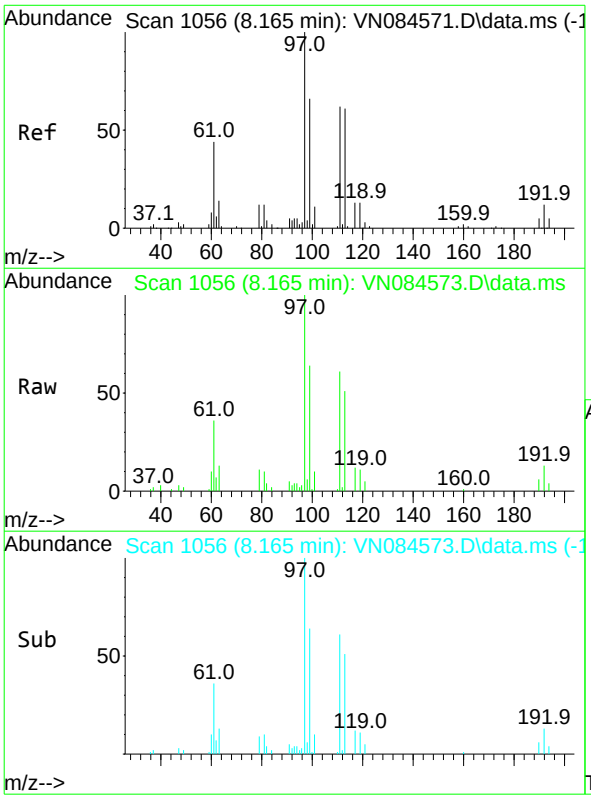
Ion	Ratio	Lower	Upper
56	100		
69	33.9	23.8	35.6
84	88.1	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

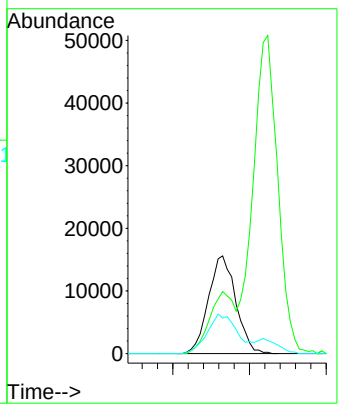
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

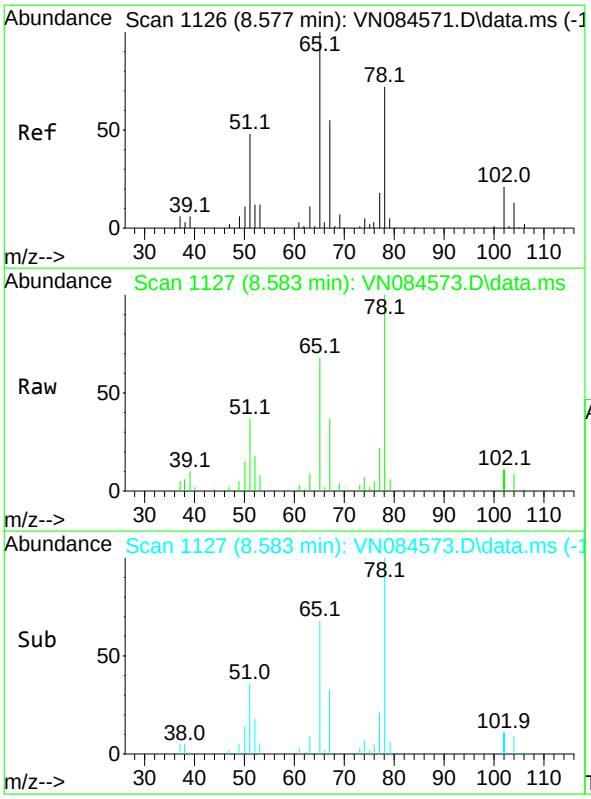


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

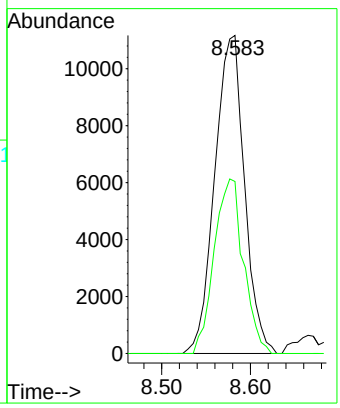




#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 65 Resp: 25986

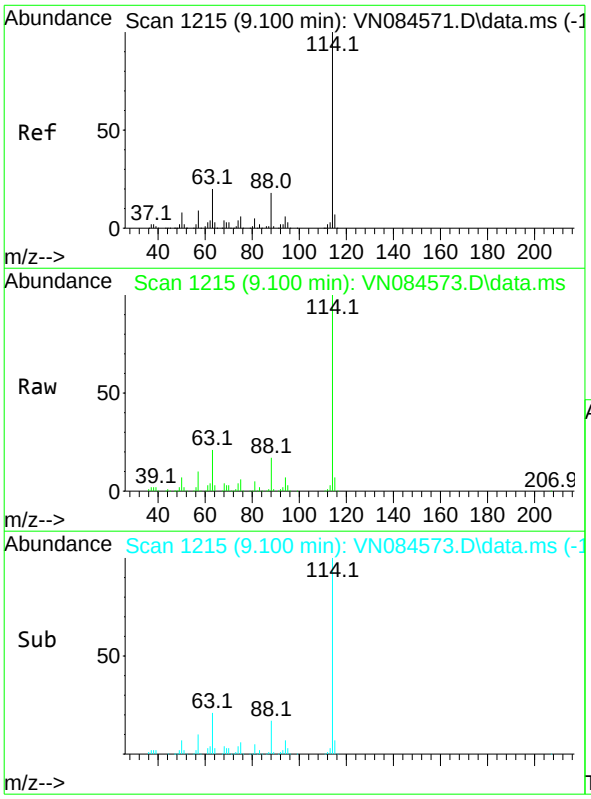
Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

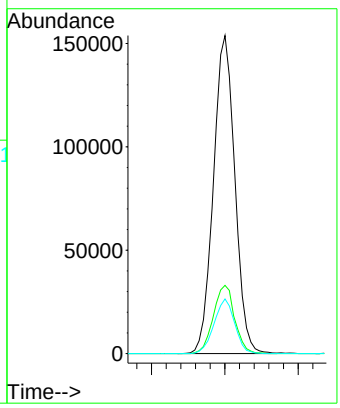
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

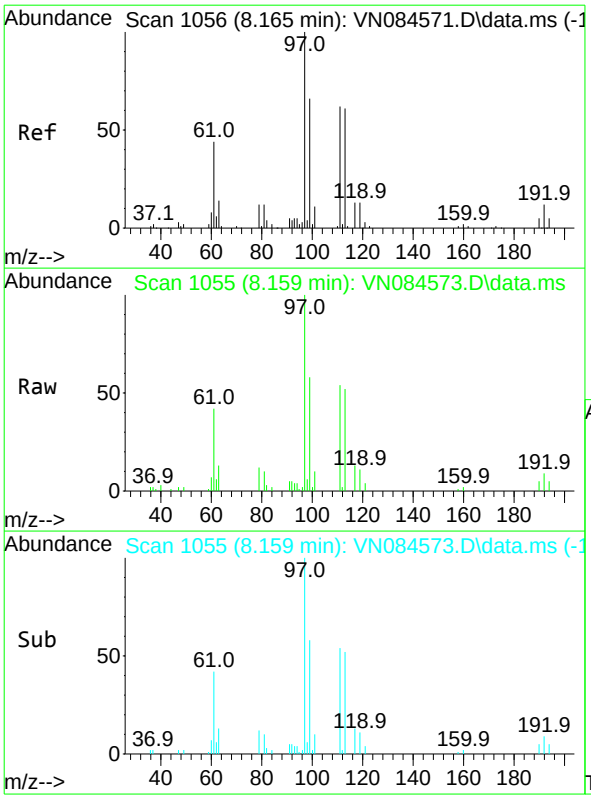


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

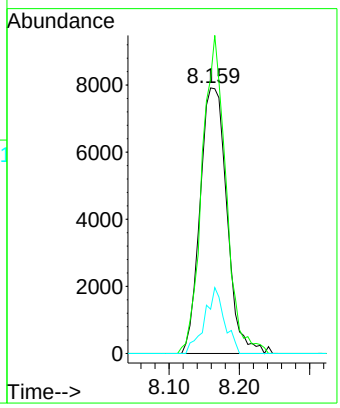




#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:113 Resp: 20969

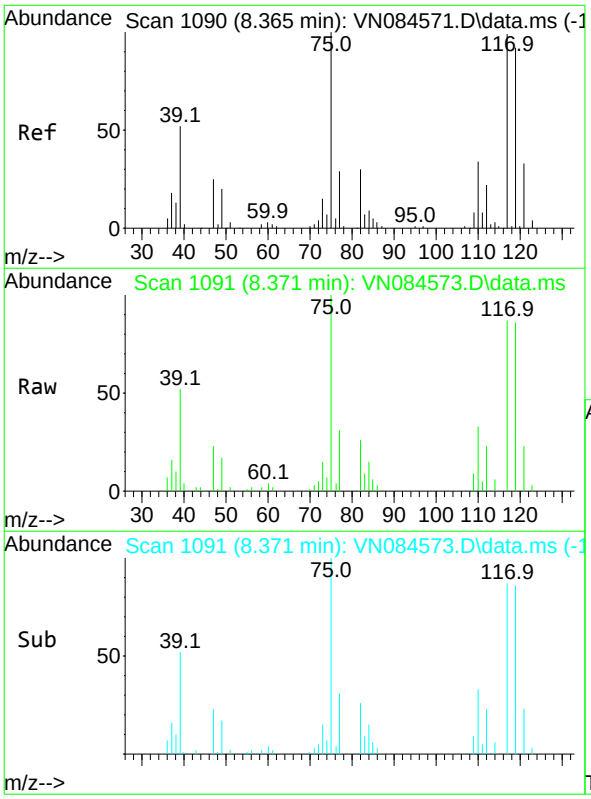
Ion	Ratio	Lower	Upper
113	100		
111	106.8	83.3	124.9
192	18.4	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

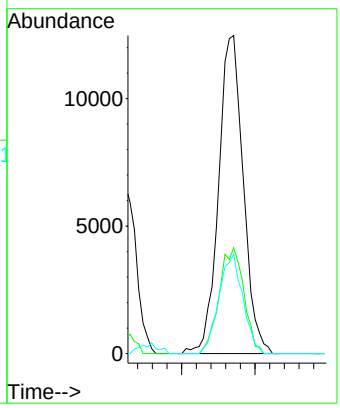
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

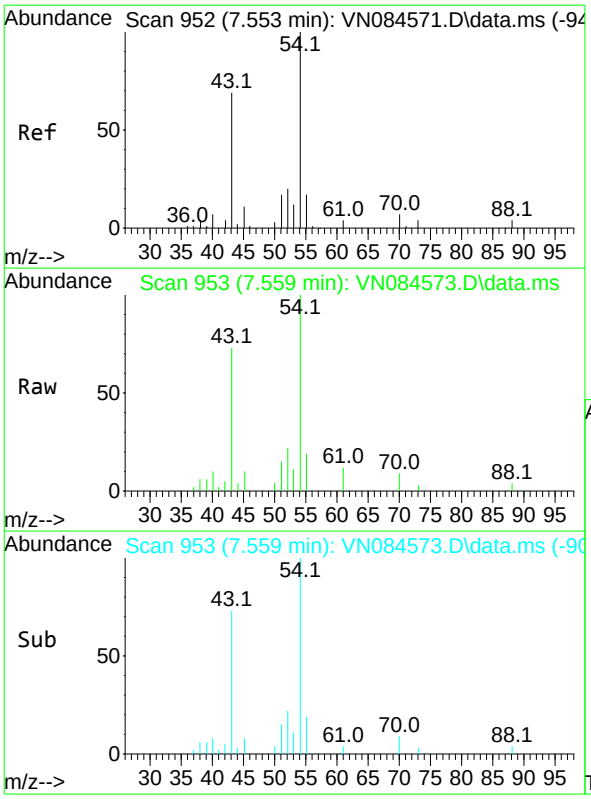


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

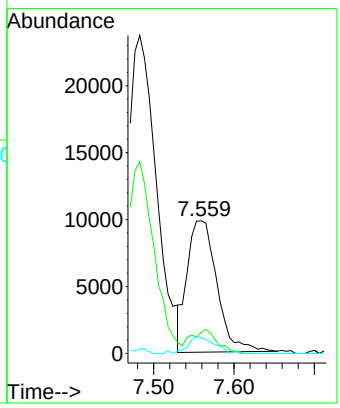




#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 25249

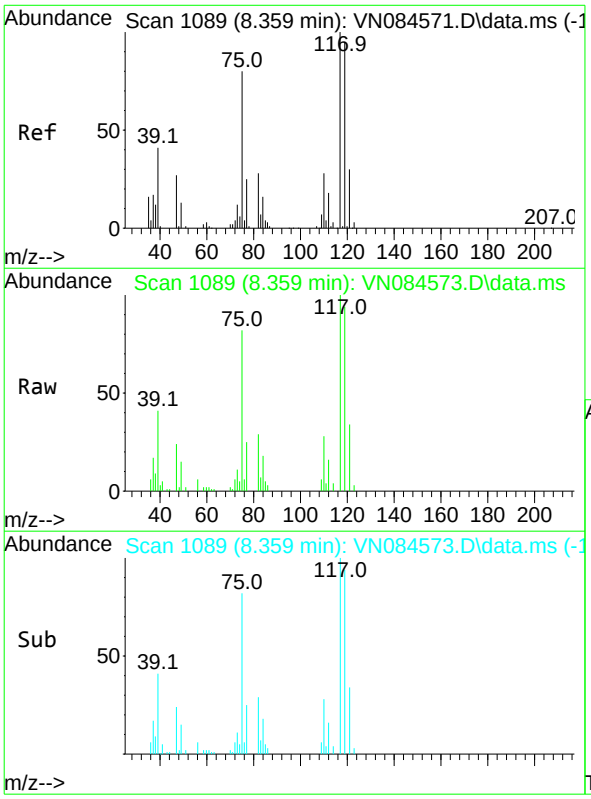
Ion	Ratio	Lower	Upper
43	100		
61	16.0	10.7	16.1
70	11.6	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

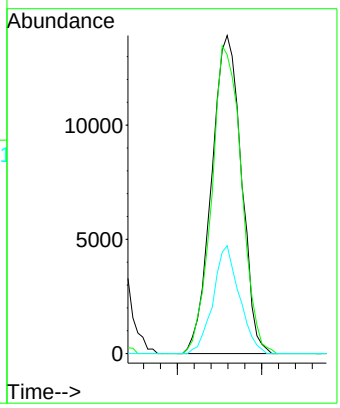
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

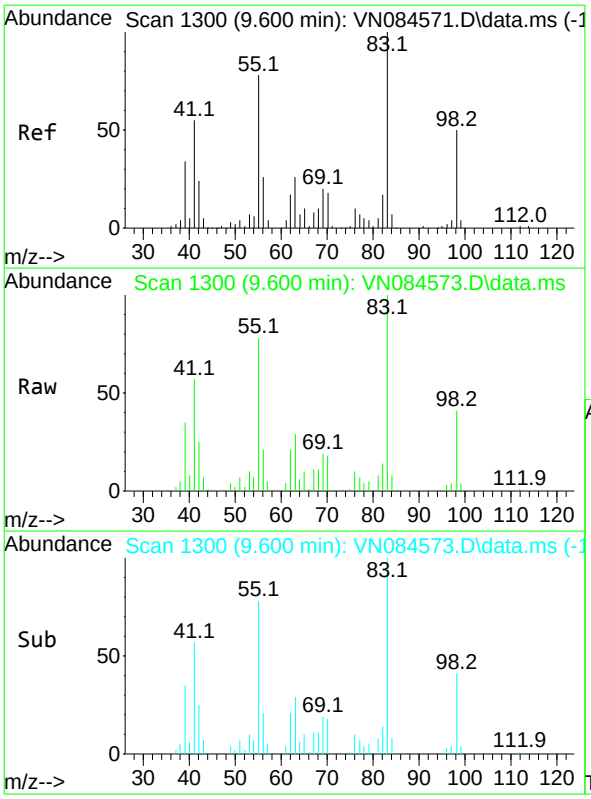


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

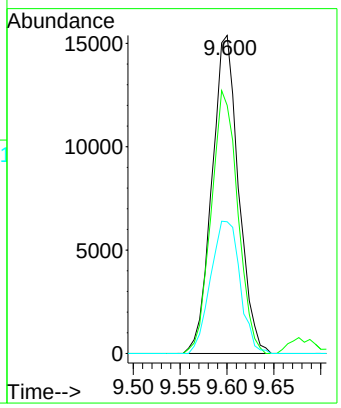




#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30390

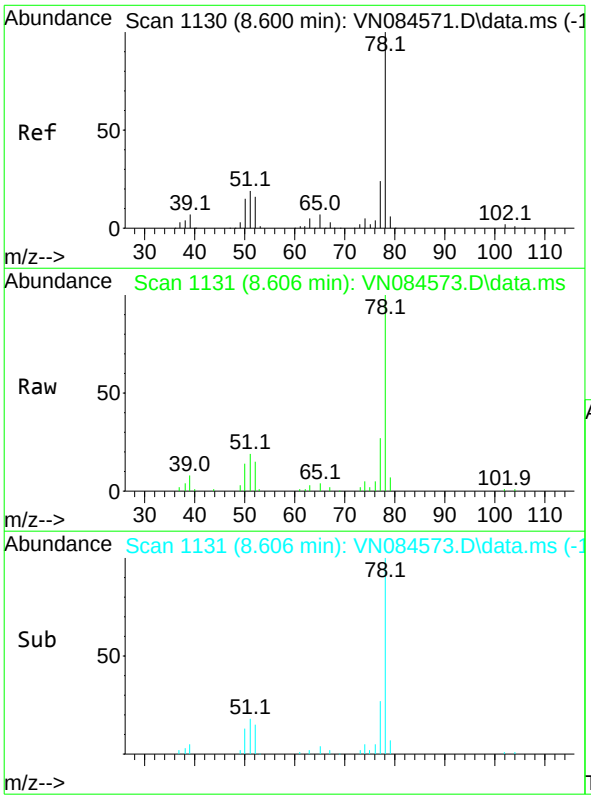
Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.8	94.2
98	41.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

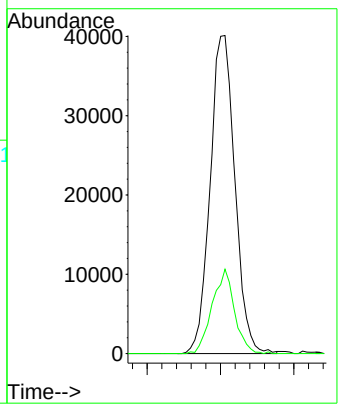
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

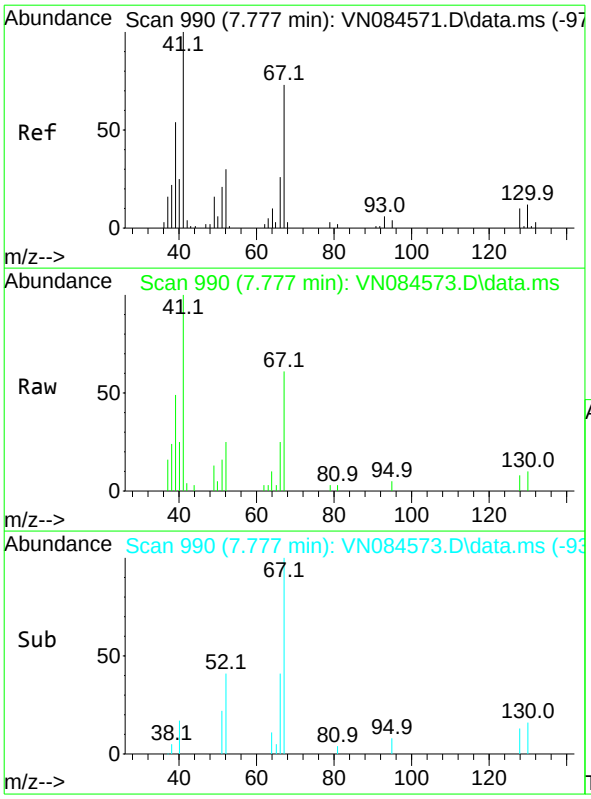


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7

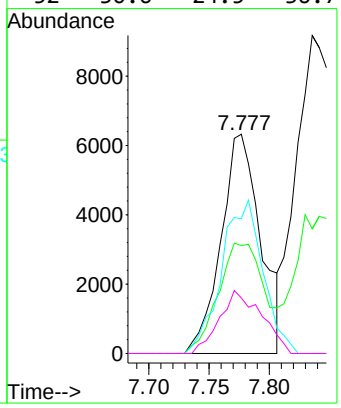




#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 41 Resp: 14485

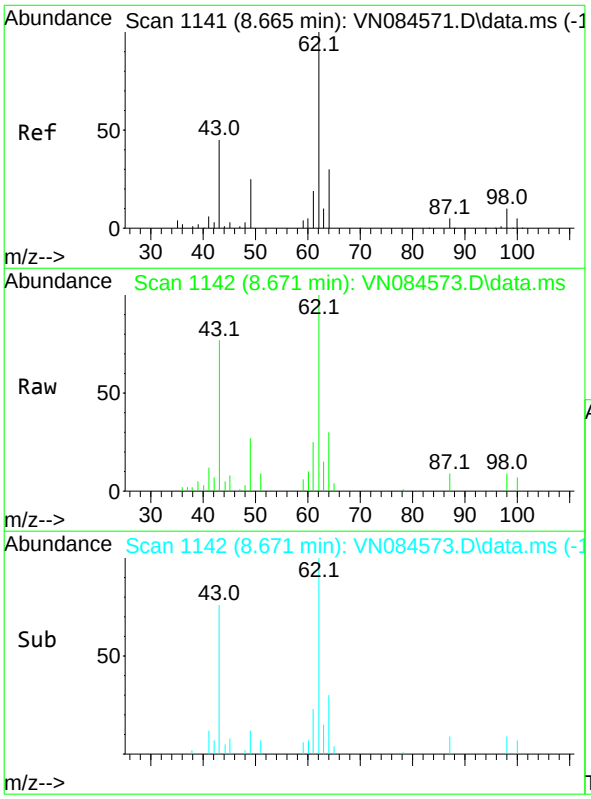
Ion	Ratio	Lower	Upper
41	100		
39	58.4	43.3	64.9
67	72.8	56.1	84.1
52	30.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

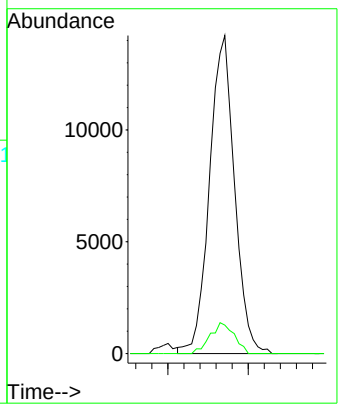
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

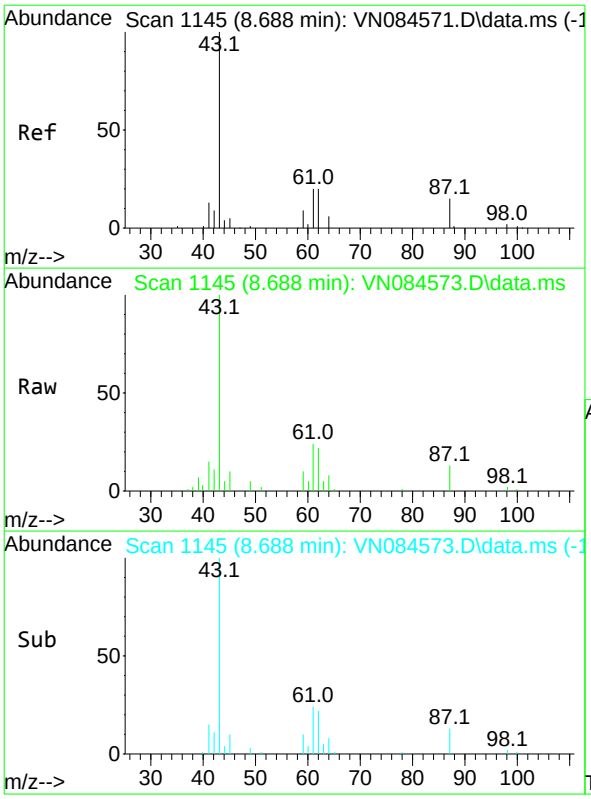


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

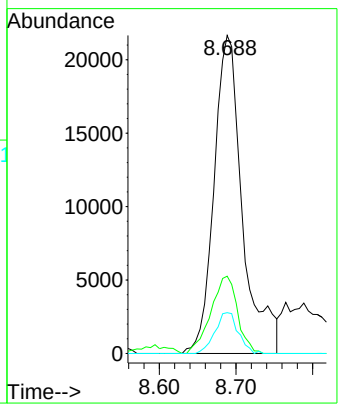




#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 55871

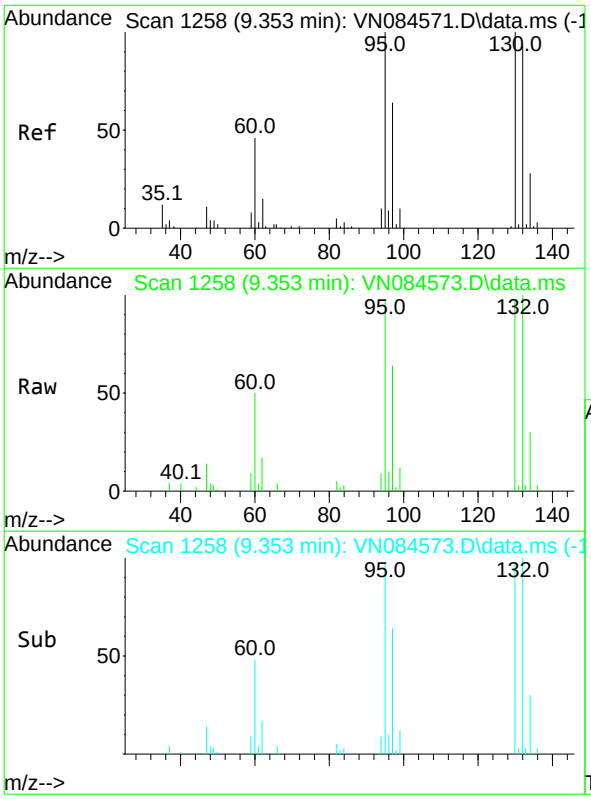
Ion	Ratio	Lower	Upper
43	100		
61	22.8	20.4	30.6
87	10.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

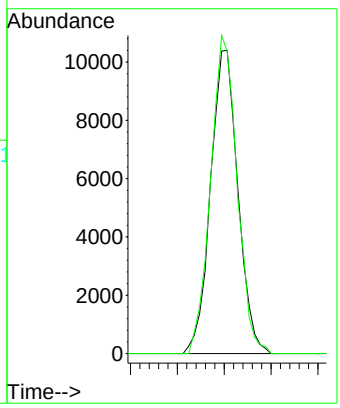
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

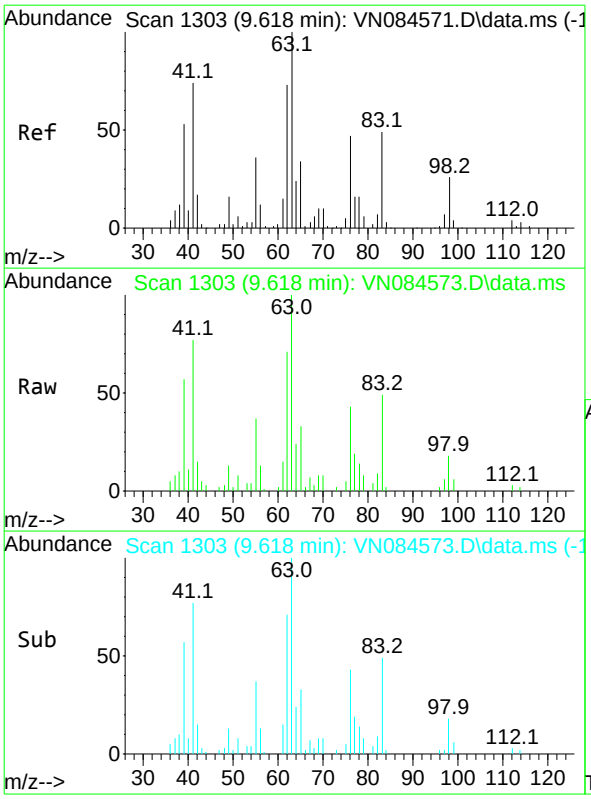


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0

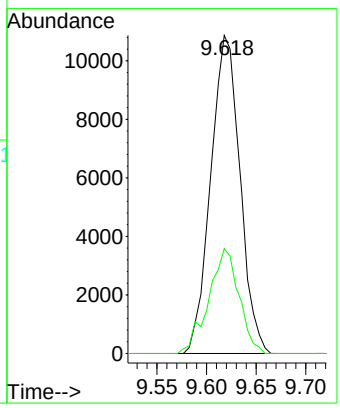




#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 22314

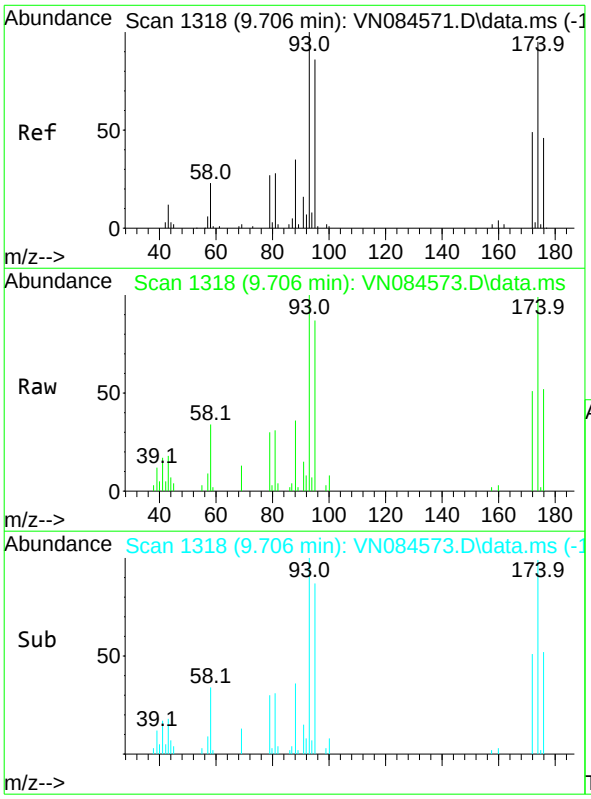
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

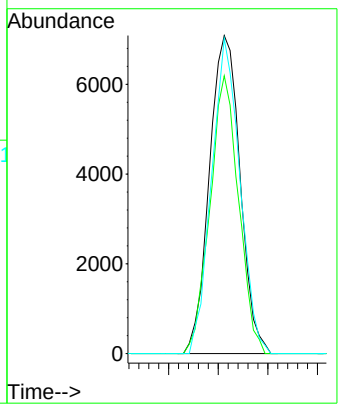
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

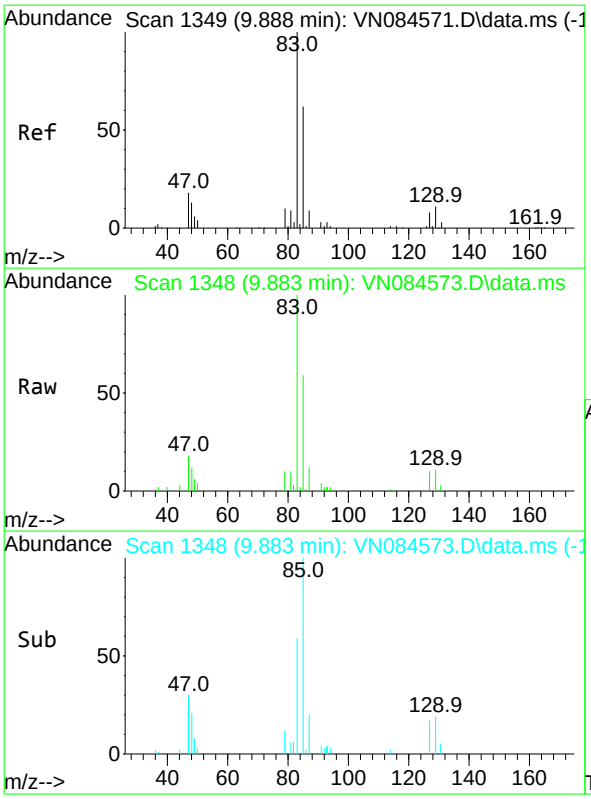


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

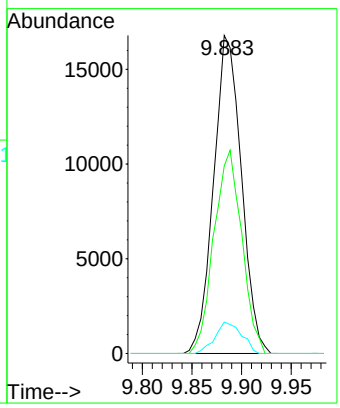




#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 13
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 32612

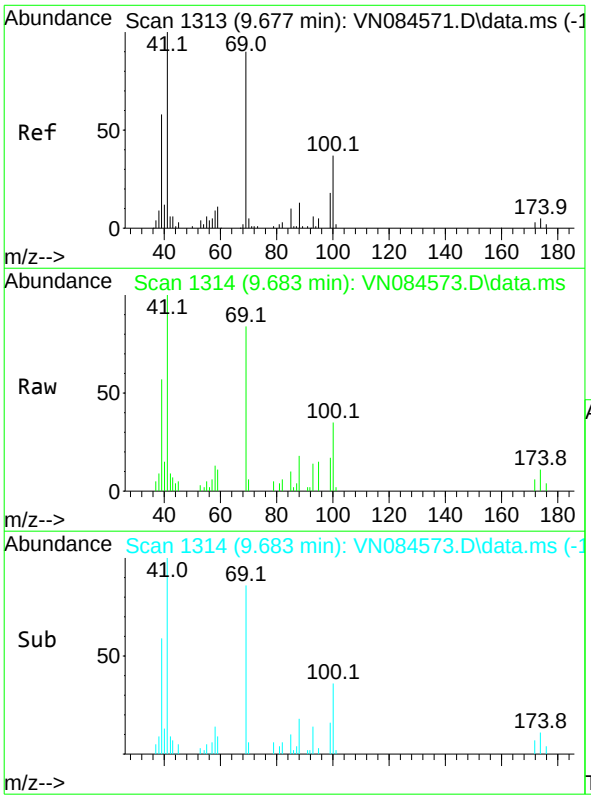
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.5	77.3
127	9.9	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

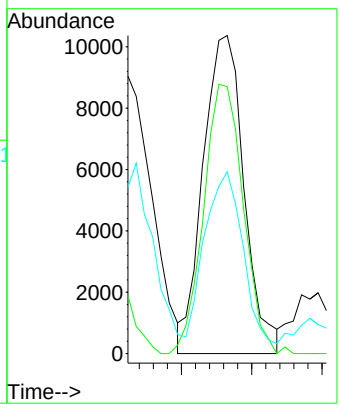
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

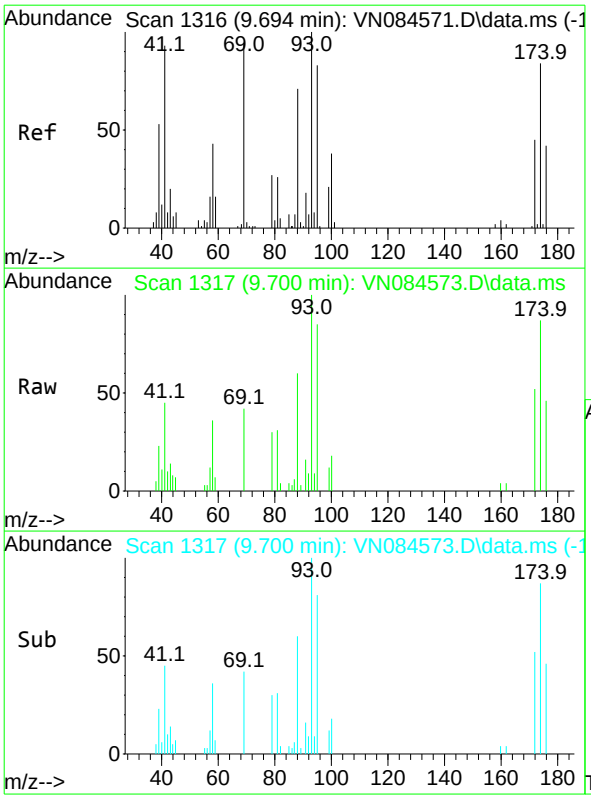


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

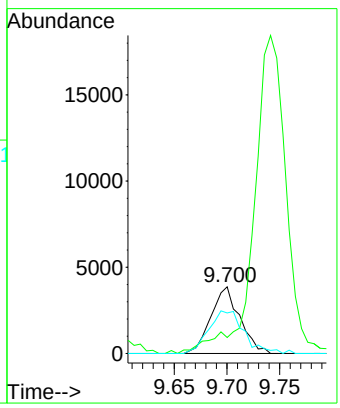




#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 88 Resp: 7375

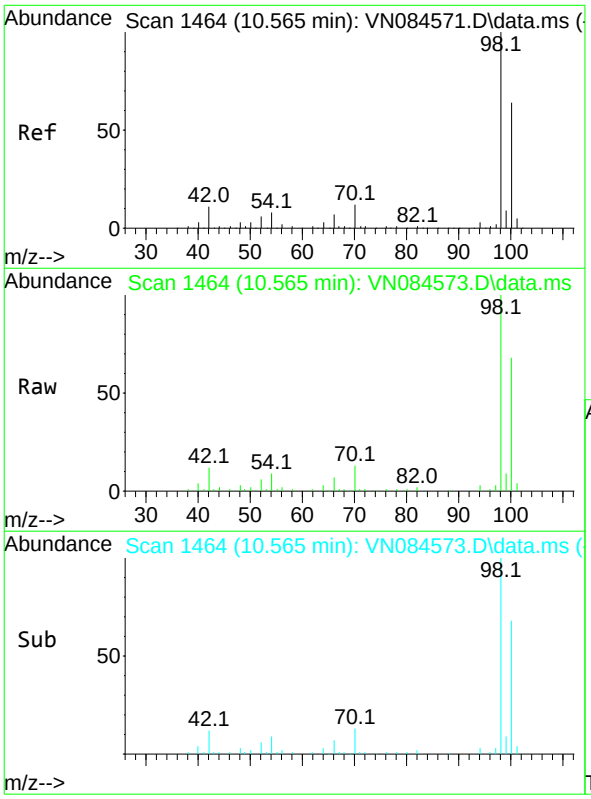
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	78.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

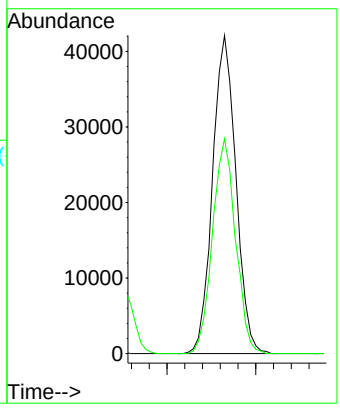
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

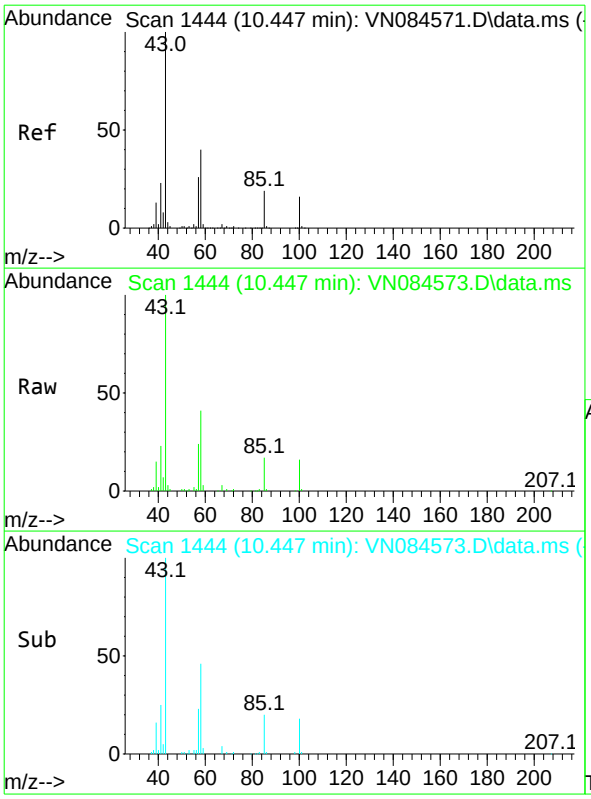


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1

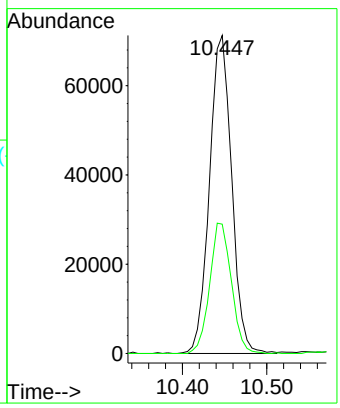




#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 130324

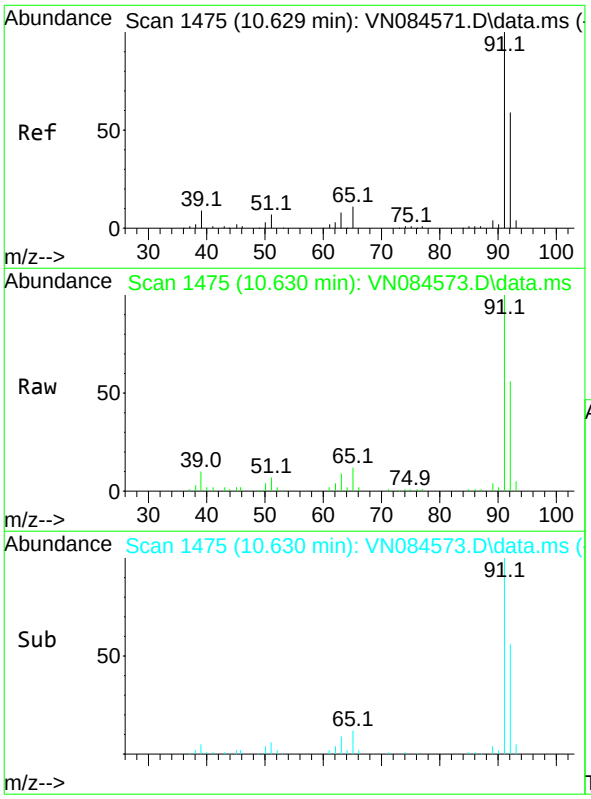
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

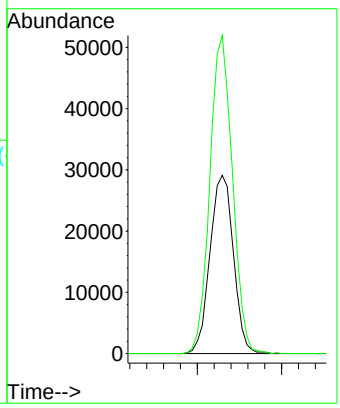
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

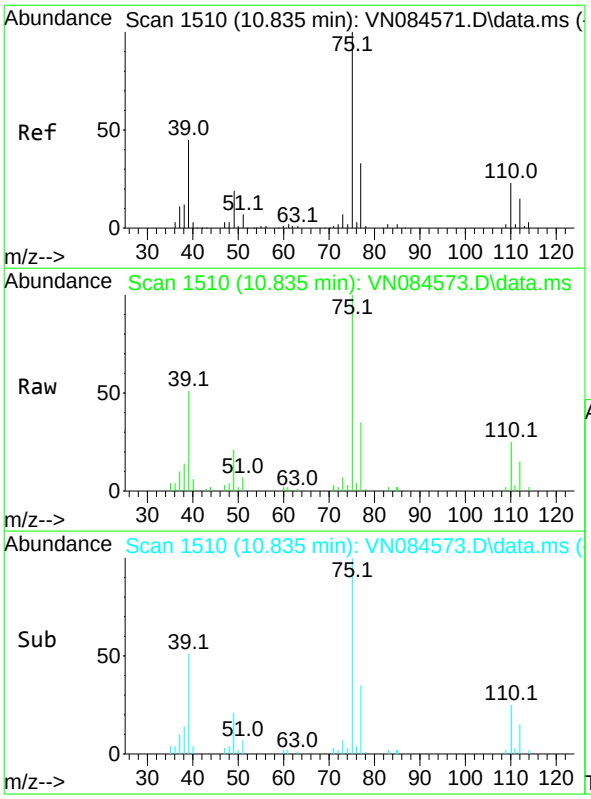


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9

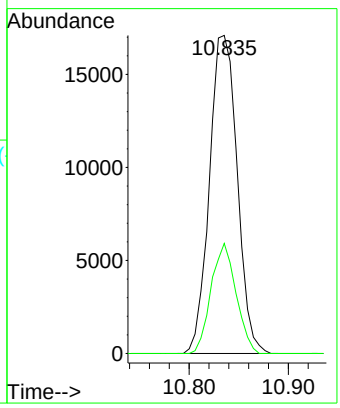




#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 33220

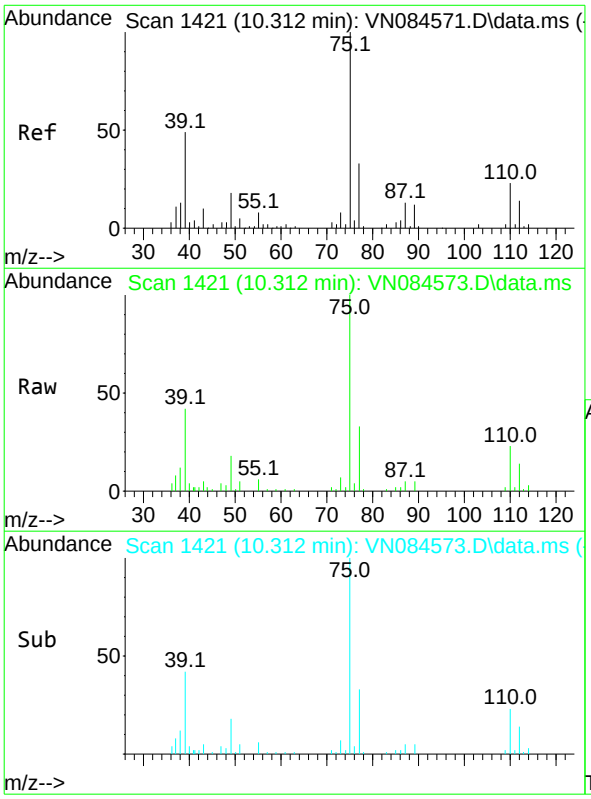
Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

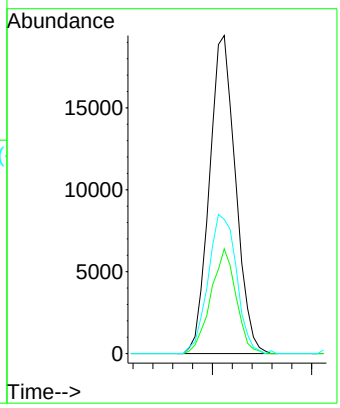
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

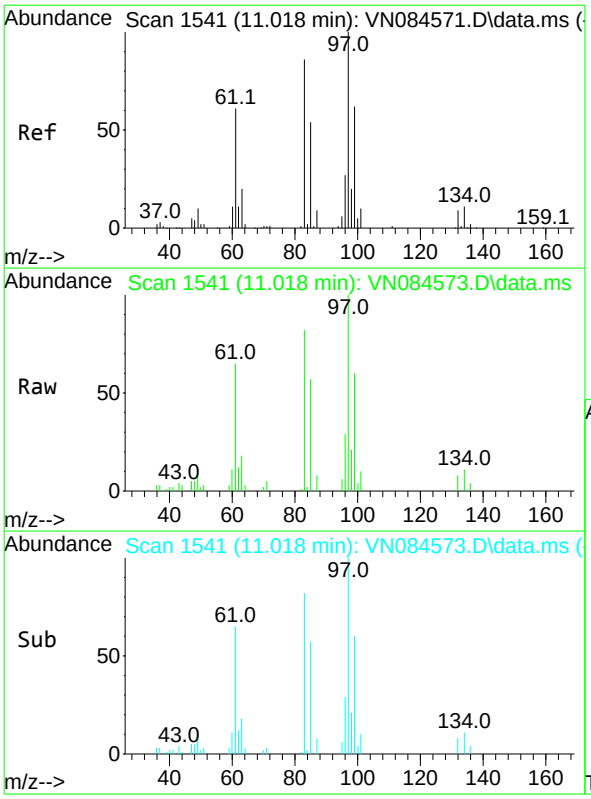


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

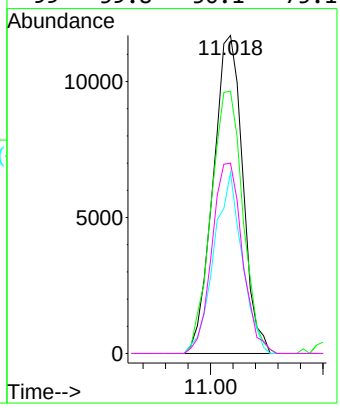




#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 97 Resp: 21367

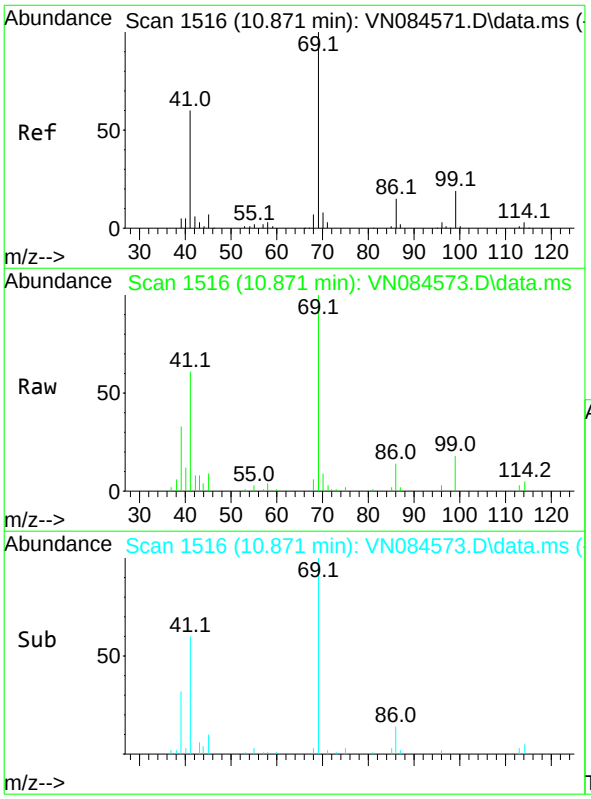
Ion	Ratio	Lower	Upper
97	100		
83	82.4	71.0	106.4
85	56.9	41.7	62.5
99	59.8	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

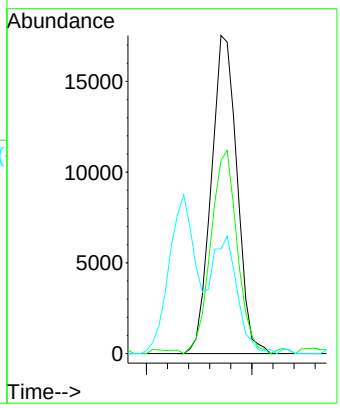
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

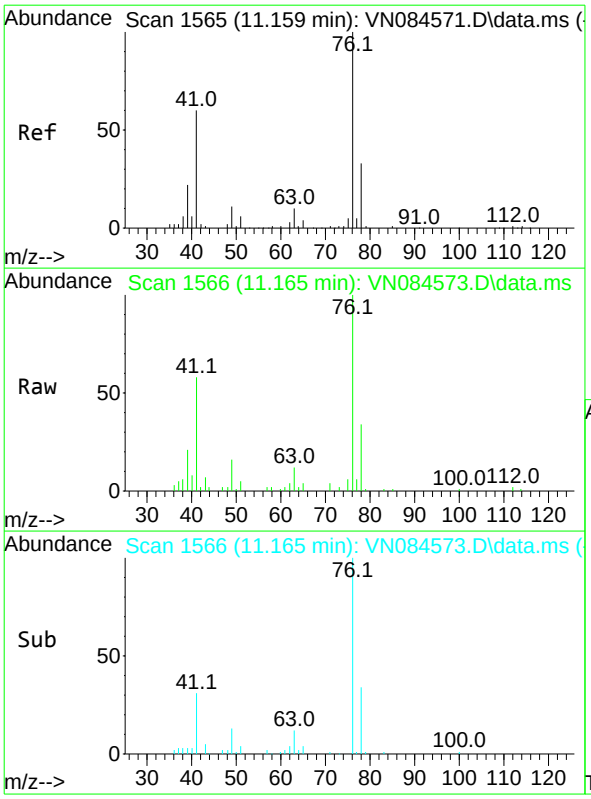


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

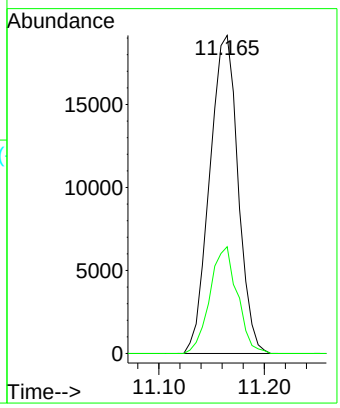




#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 76 Resp: 35790

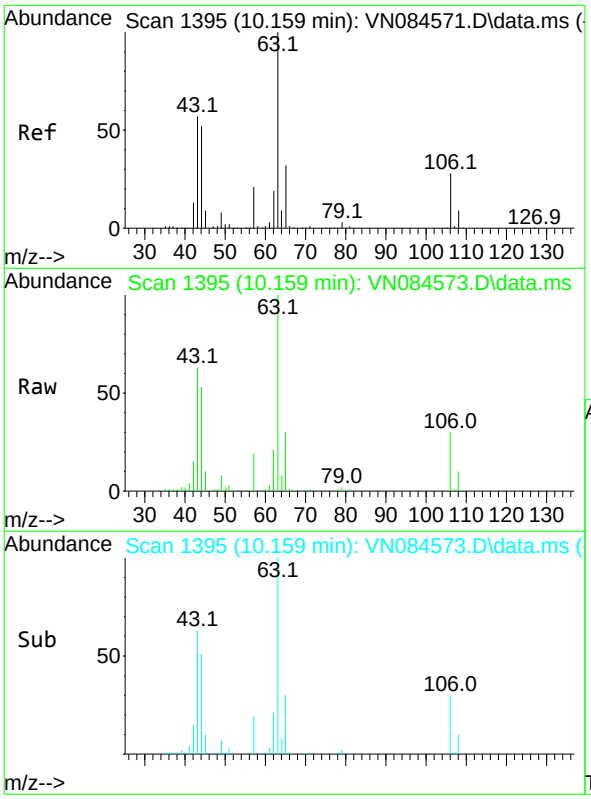
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

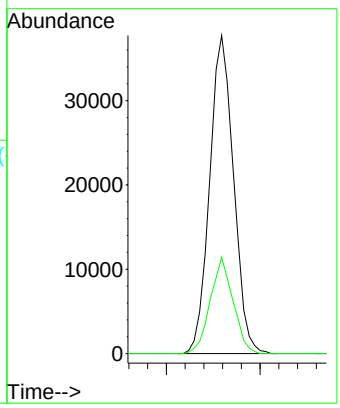
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

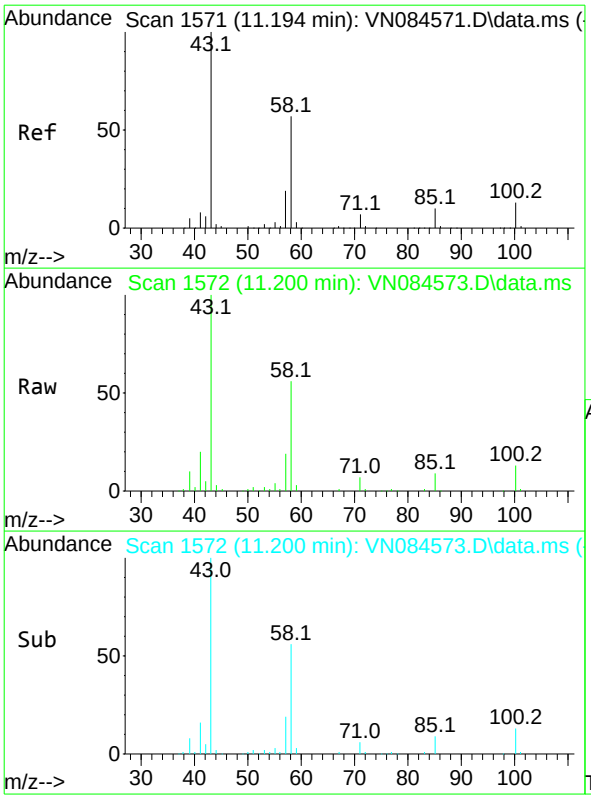


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6

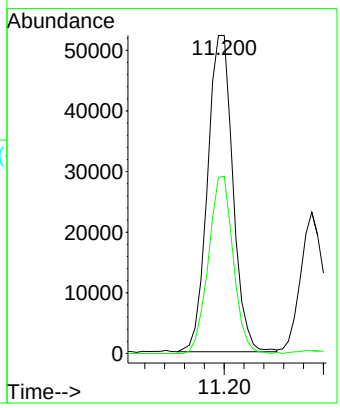




#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 92772

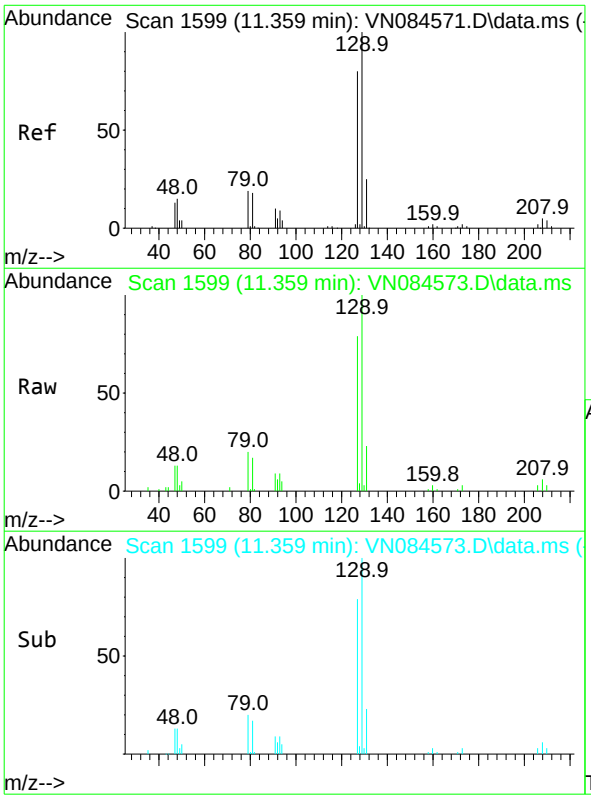
Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

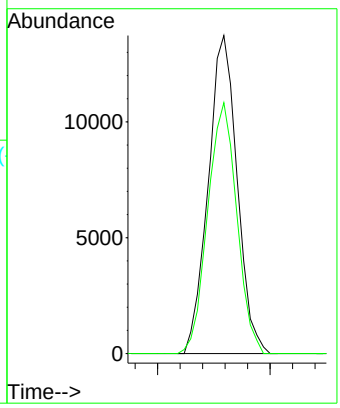
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

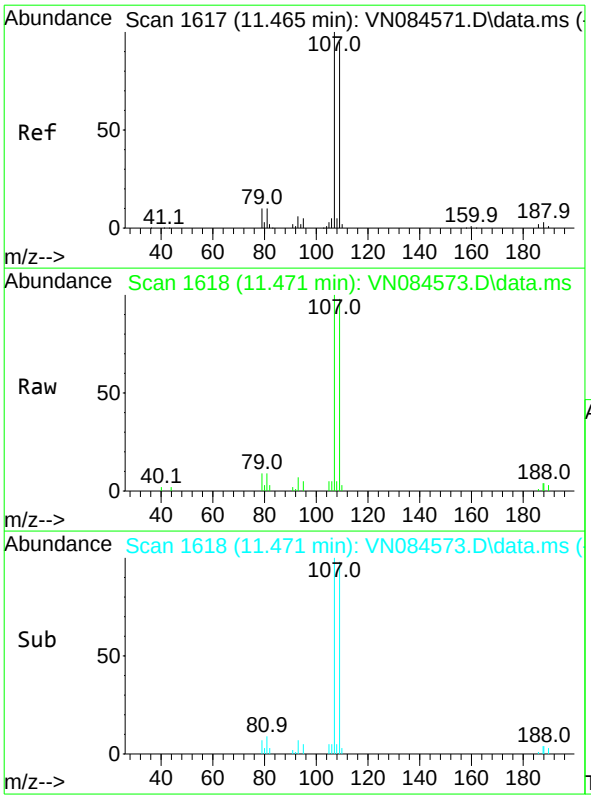


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9

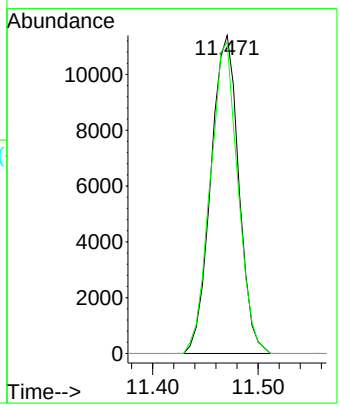




#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:107 Resp: 20895

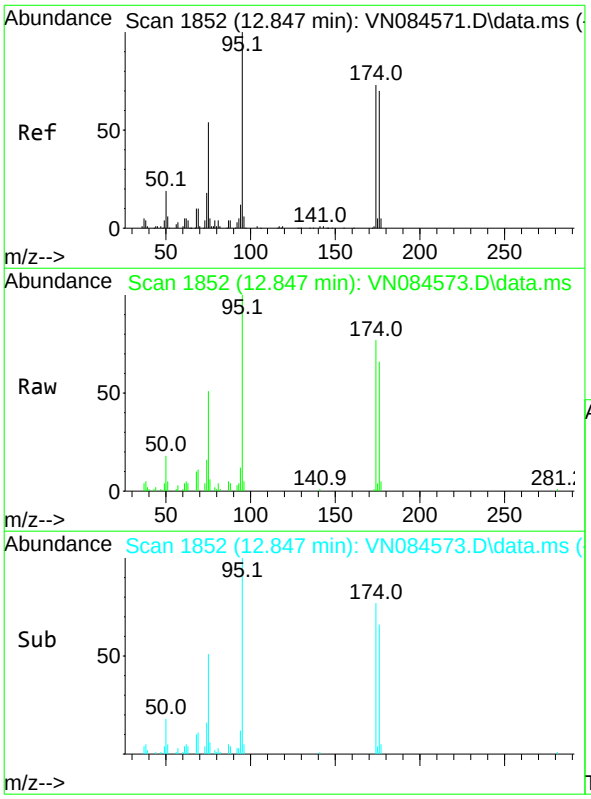
Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

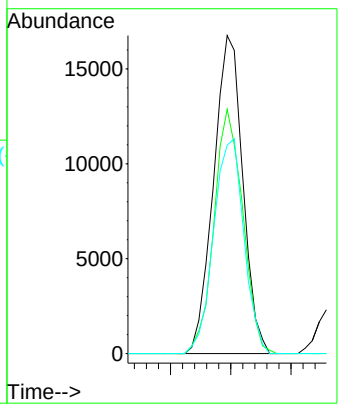
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

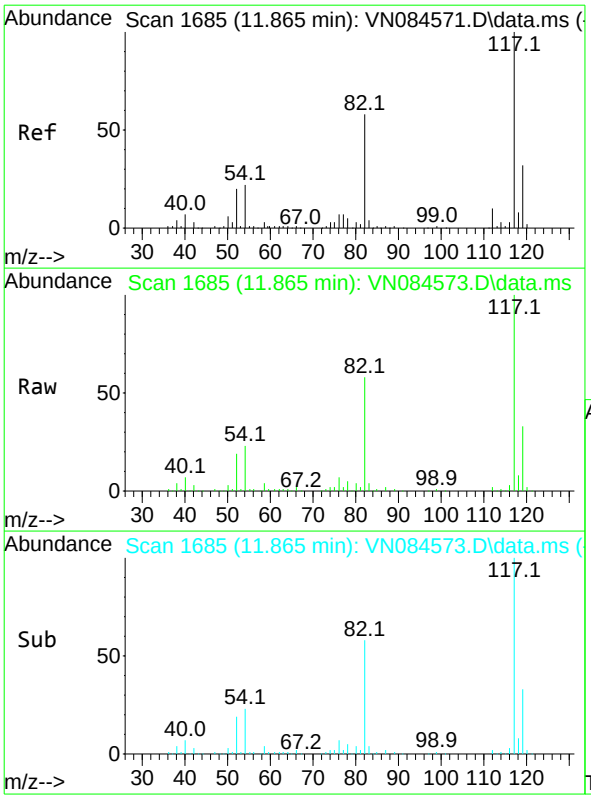


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

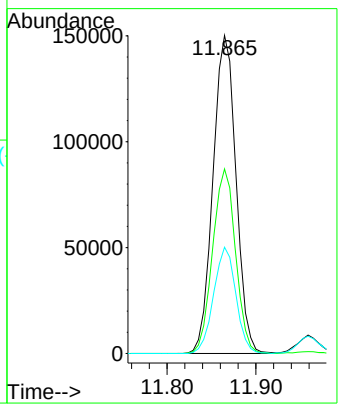




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 270408

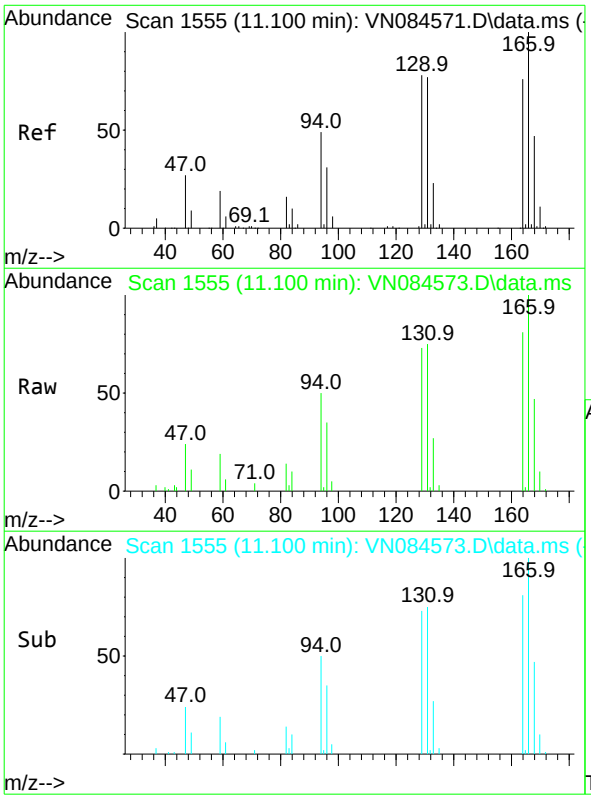
Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	33.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

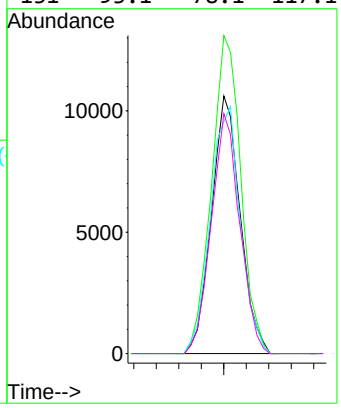
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

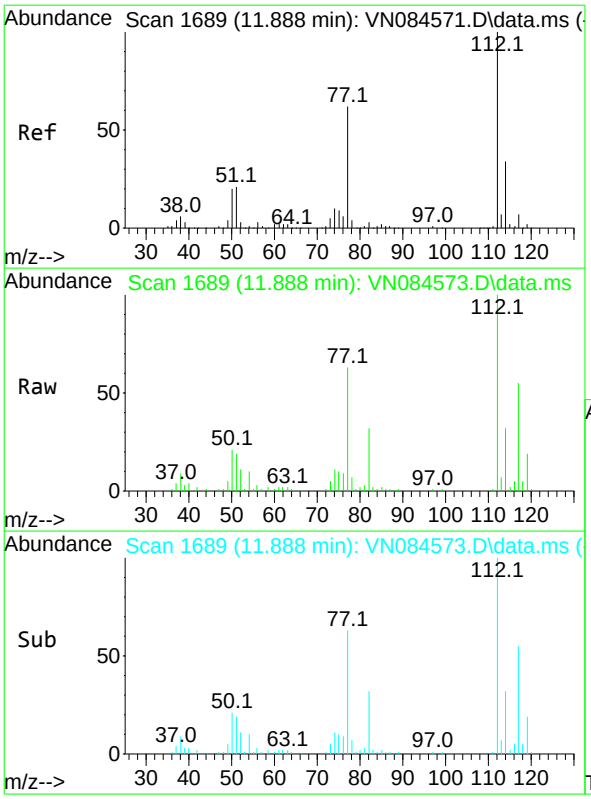


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

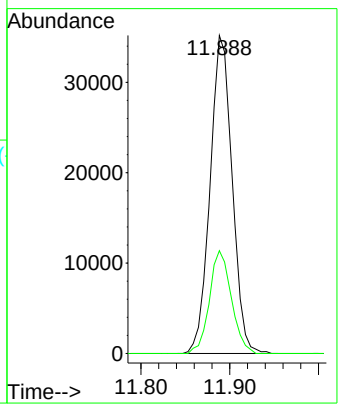




#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:112 Resp: 60746

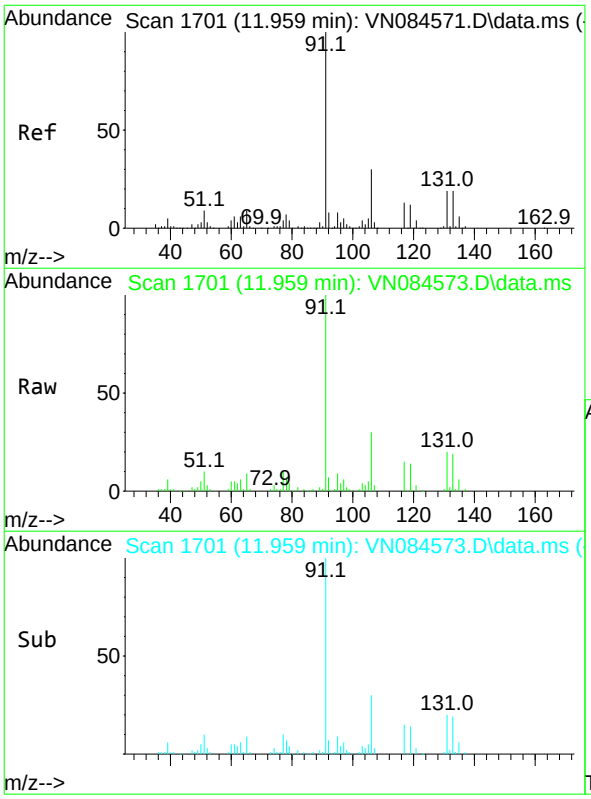
Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

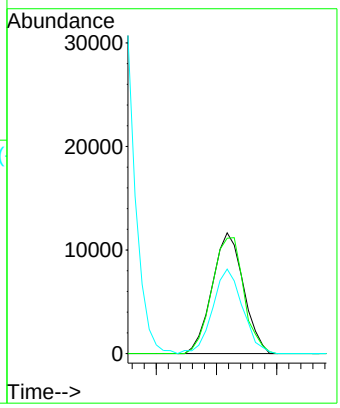
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

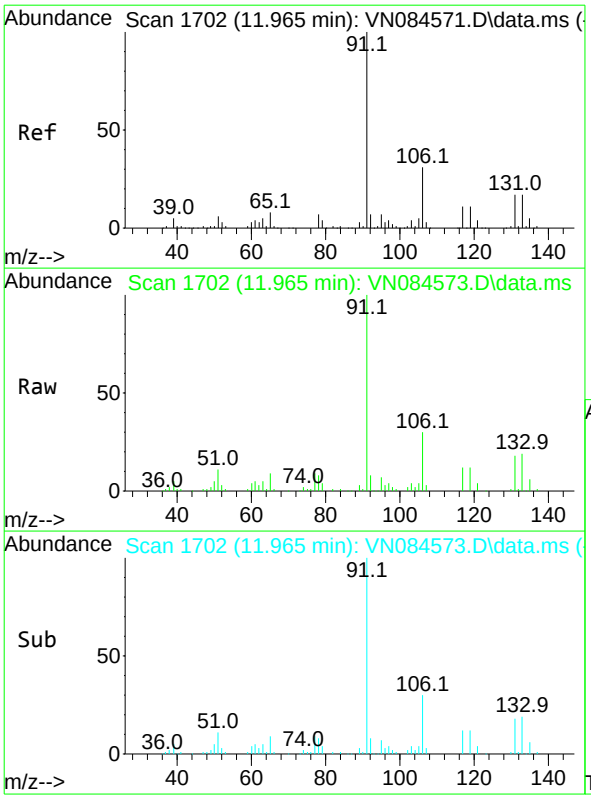


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

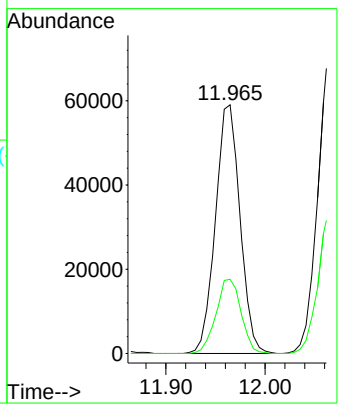




#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 101653

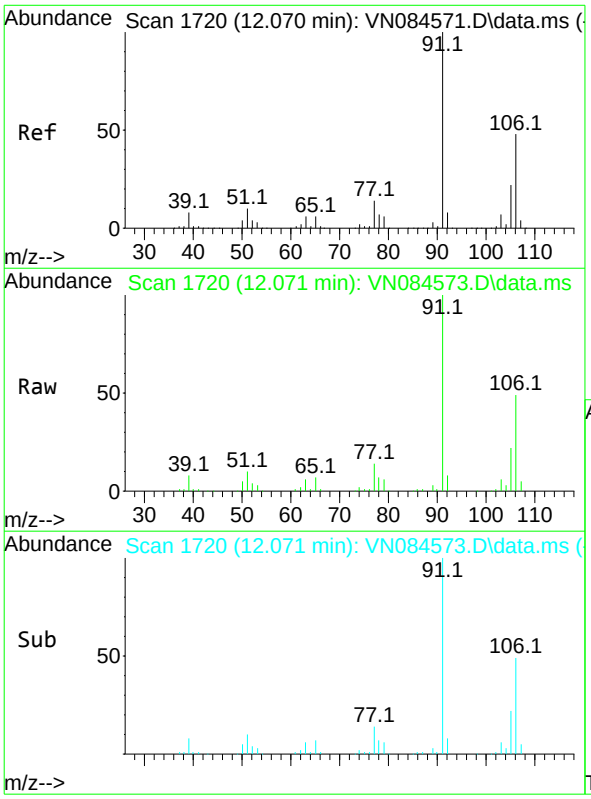
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

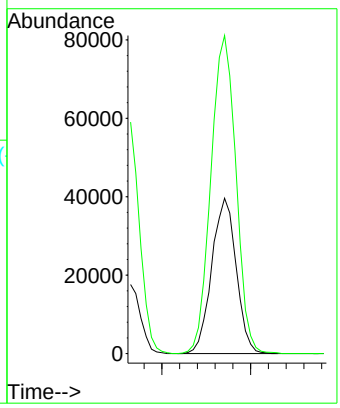
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

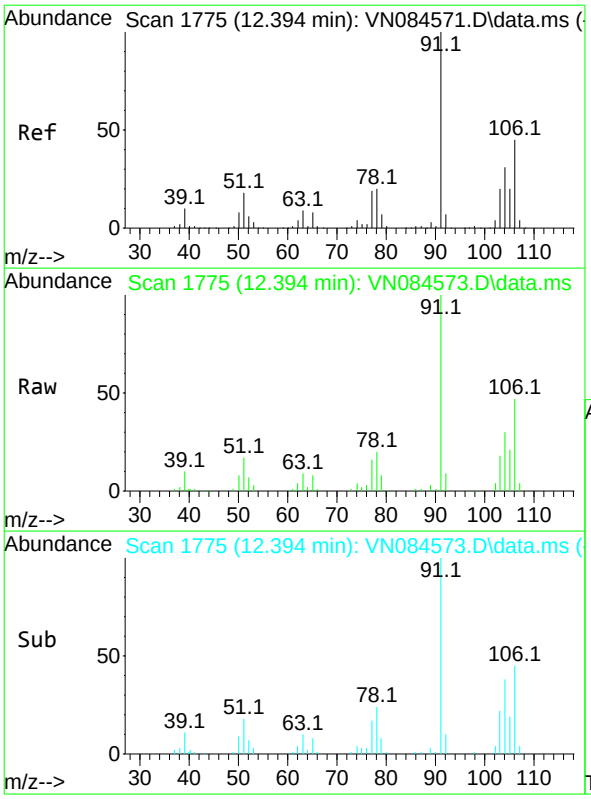


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7

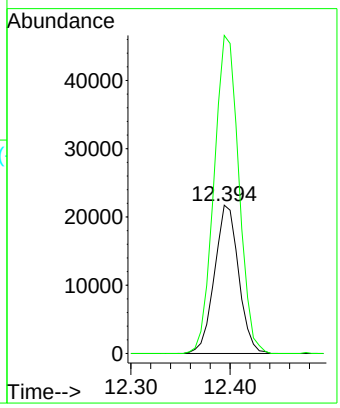




#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 36696

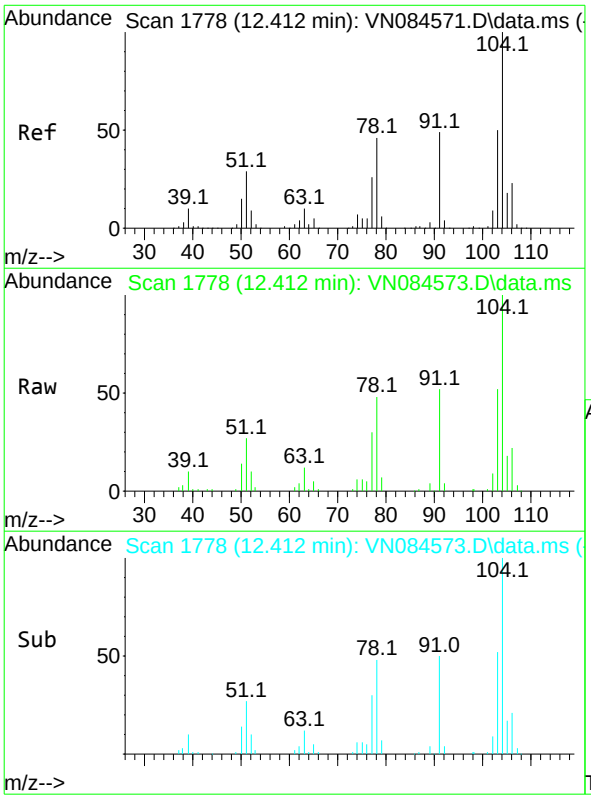
Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

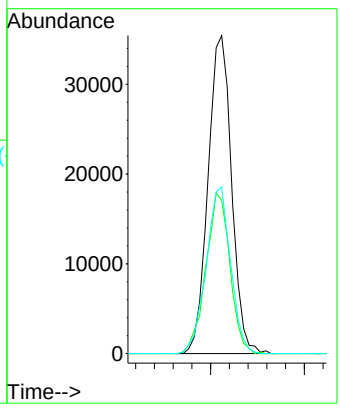
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

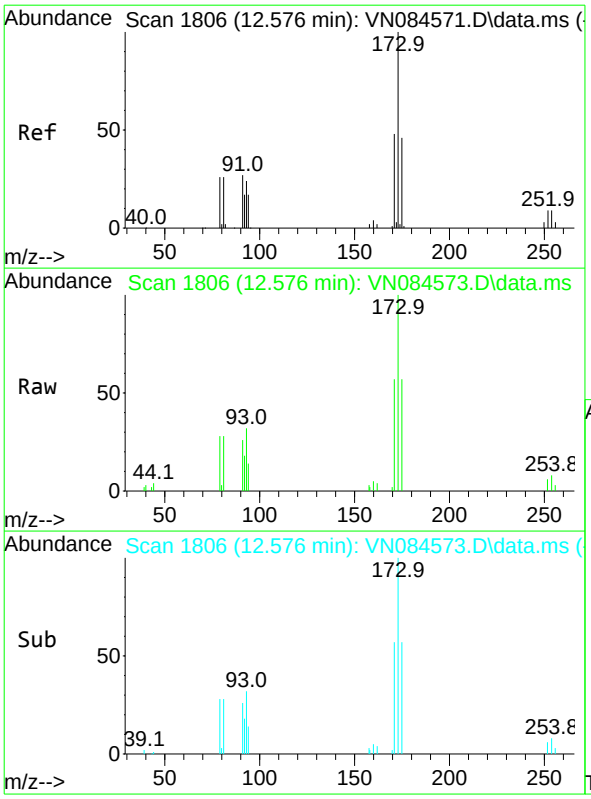


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

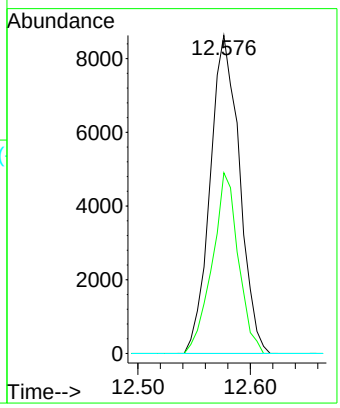




#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:173 Resp: 15630

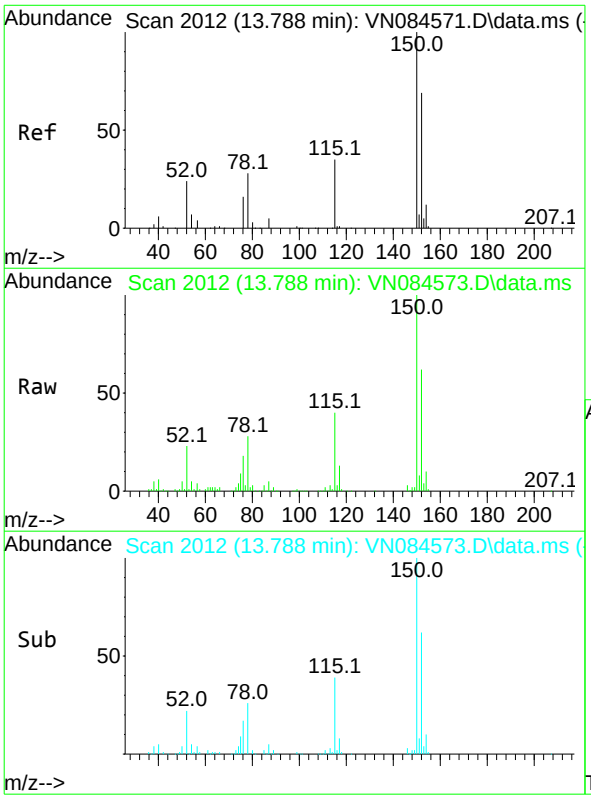
Ion	Ratio	Lower	Upper
173	100		
175	50.6	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

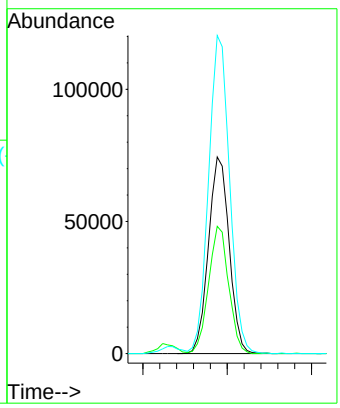
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

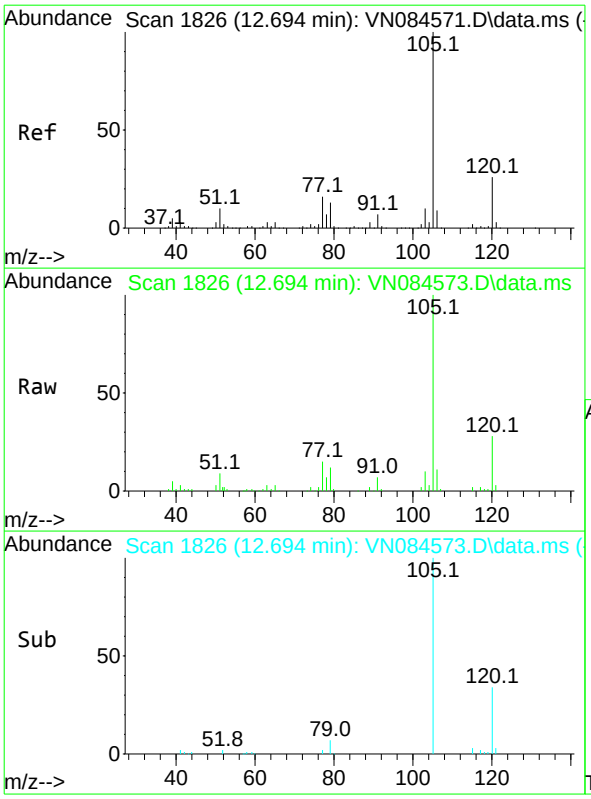


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

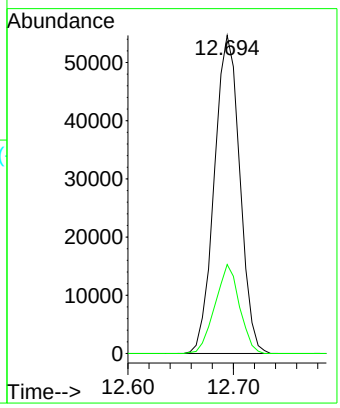




#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 91683

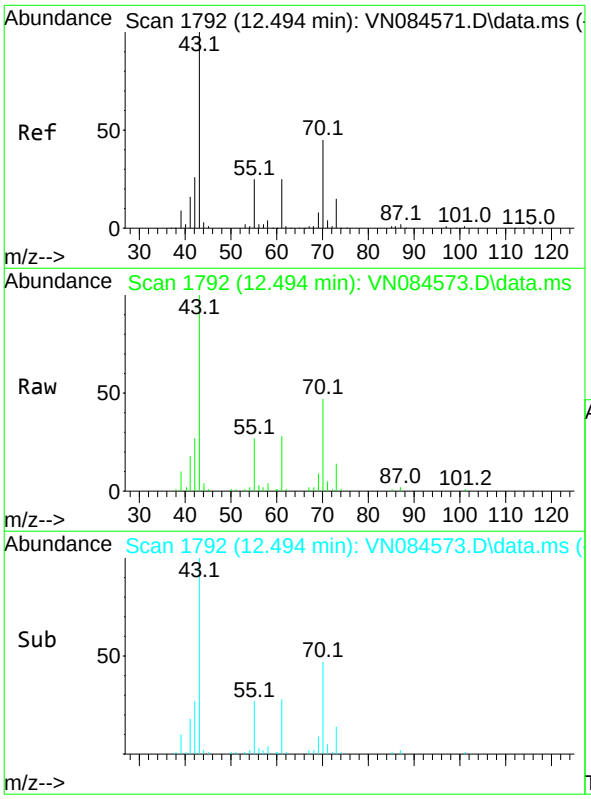
Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

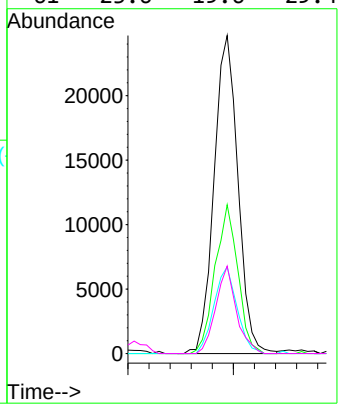
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

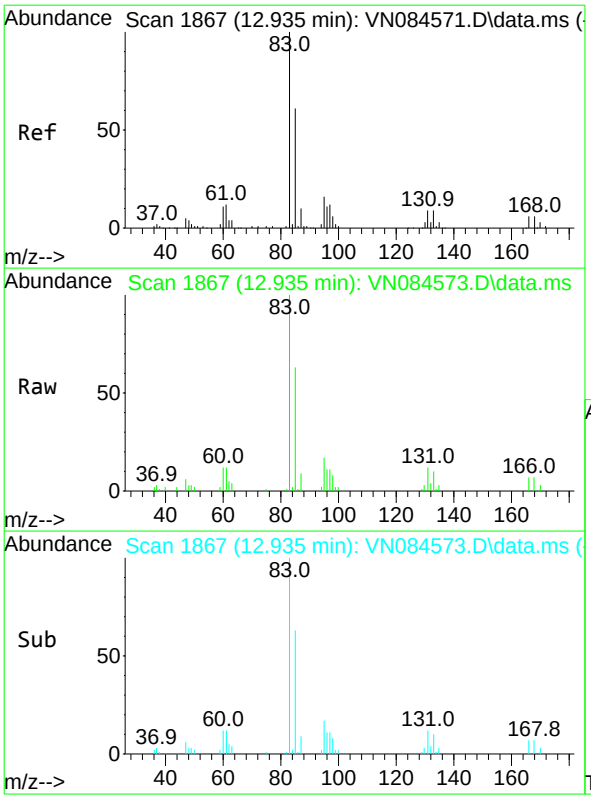


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

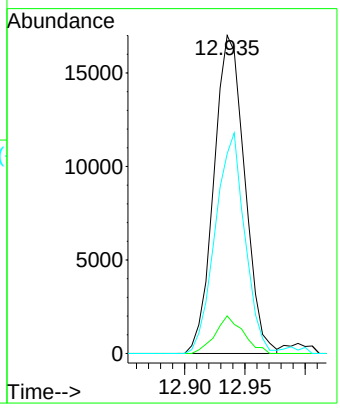




#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 30270

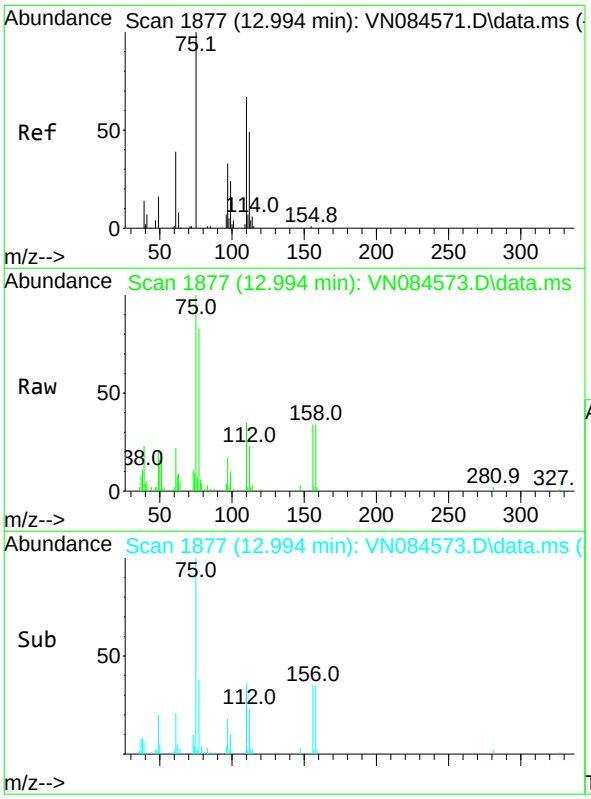
Ion	Ratio	Lower	Upper
83	100		
131	10.8	4.9	14.7
85	66.4	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

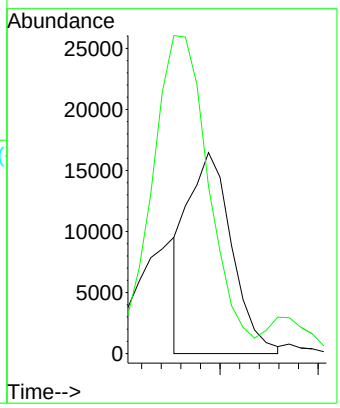
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

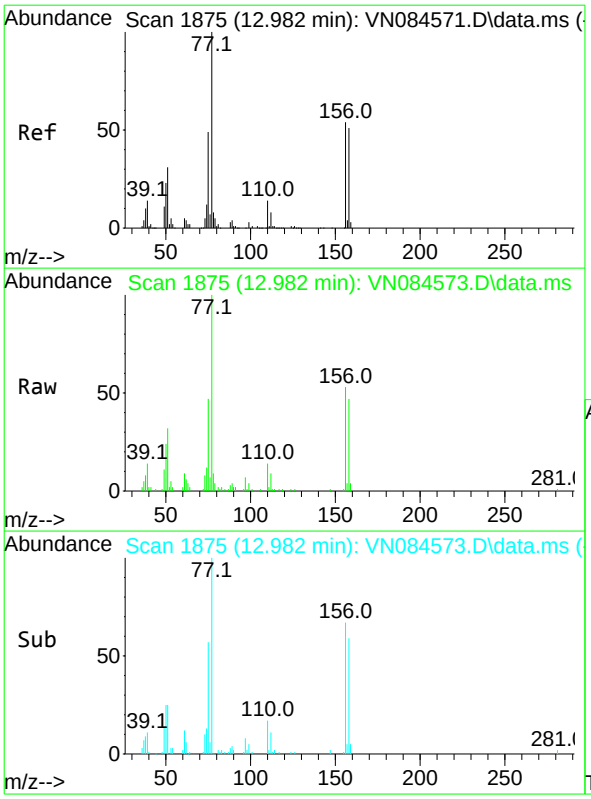


#76
1,2,3-Trichloropropane
Concen: 10.336 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 25940

Ion	Ratio	Lower	Upper
75	100		
77	202.8	96.9	290.7

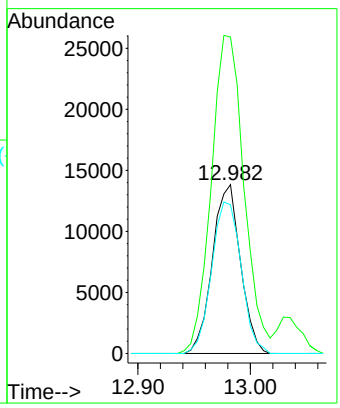




#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:156 Resp: 23987

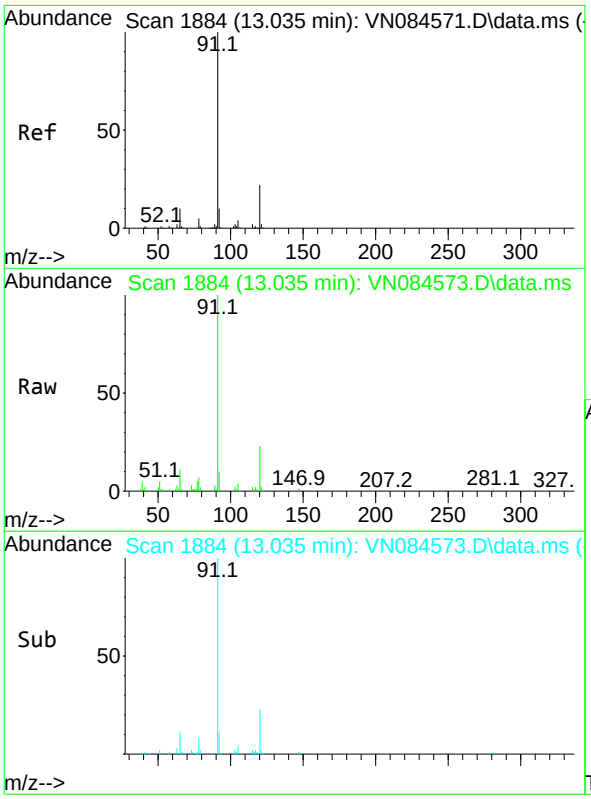
Ion	Ratio	Lower	Upper
156	100		
77	219.4	115.1	345.3
158	94.5	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

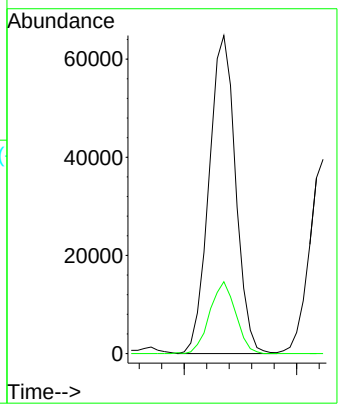
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

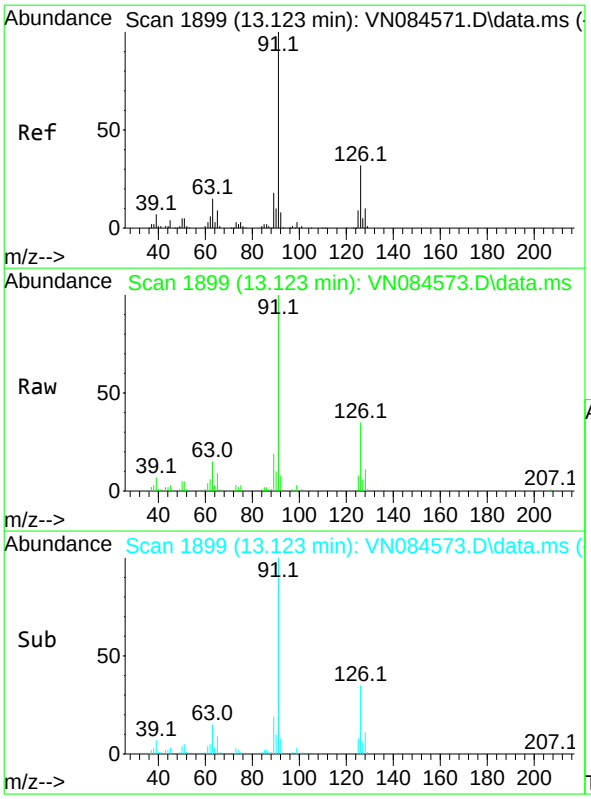


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4

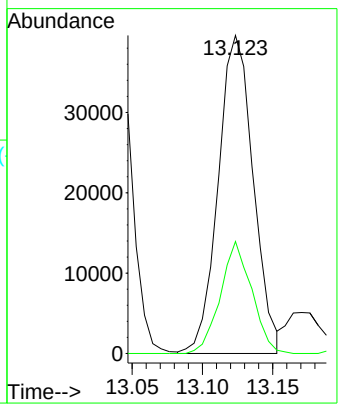




#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 68678

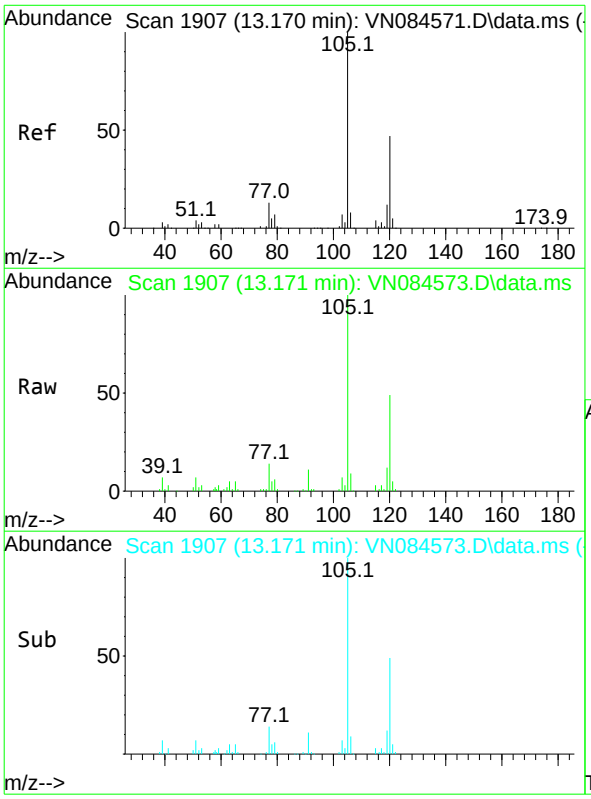
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

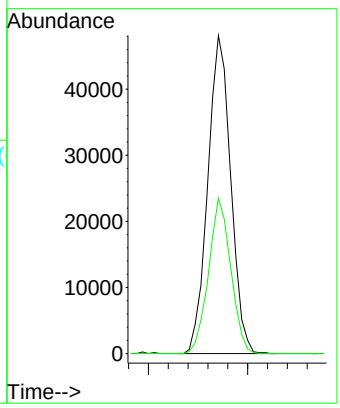
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

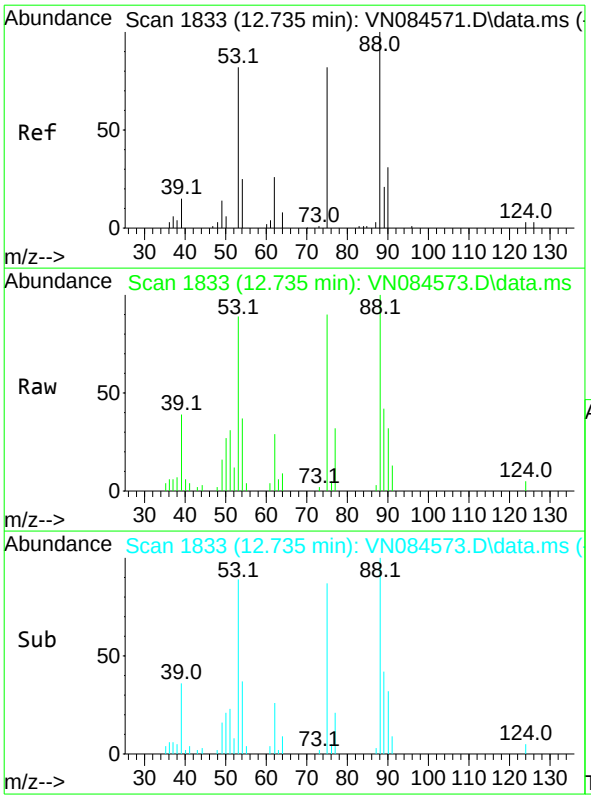


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

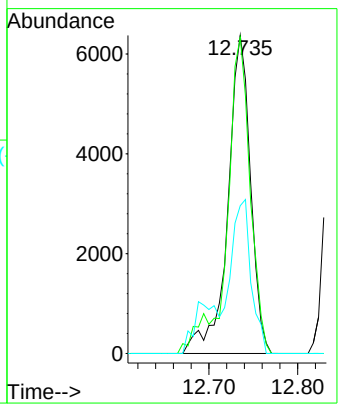




#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 11334

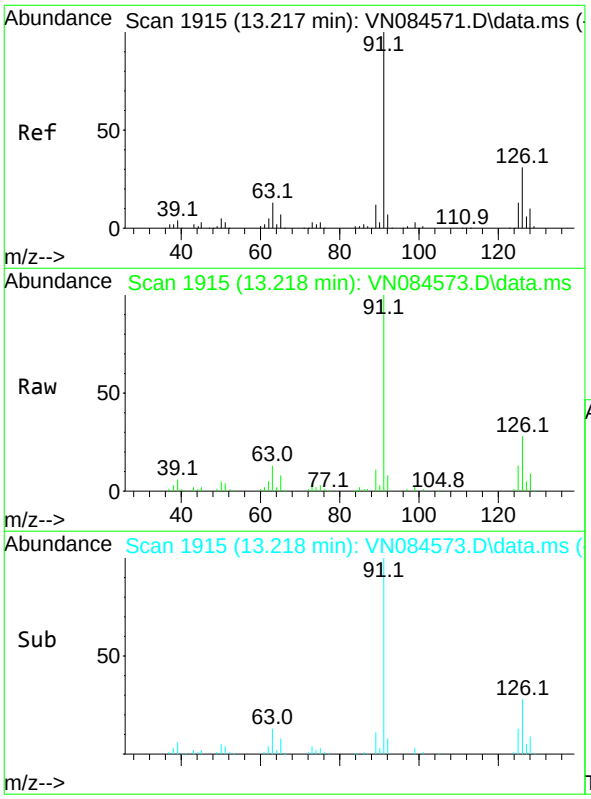
Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.0	117.0
89	43.2	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

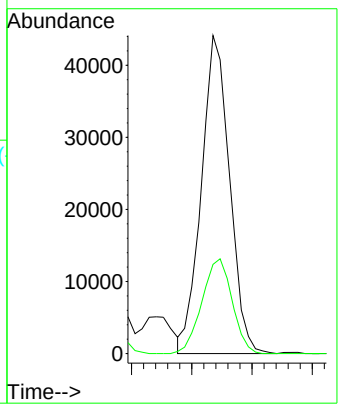
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

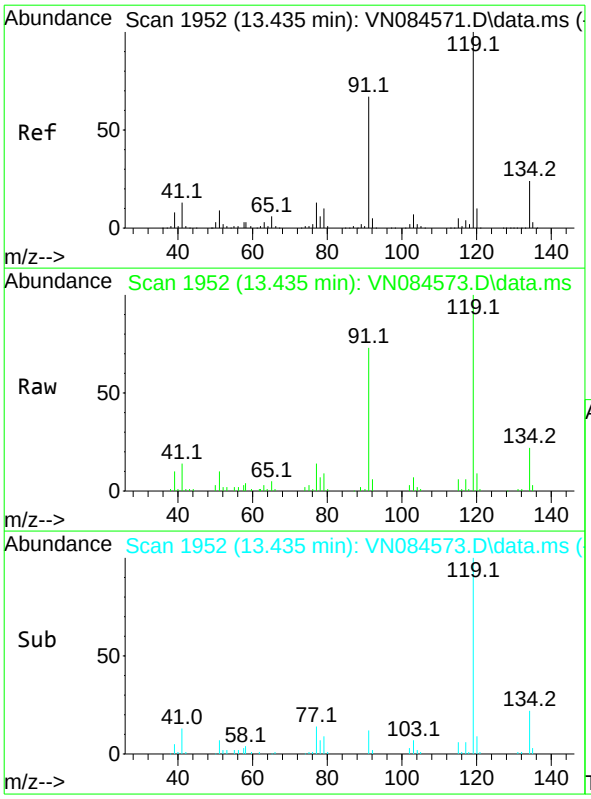


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1

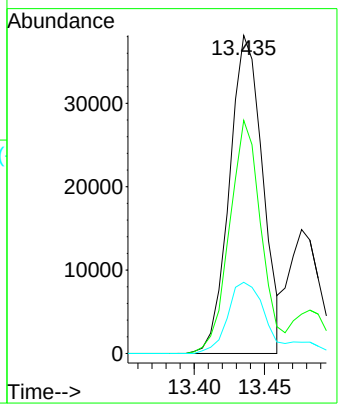




#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:119 Resp: 62600

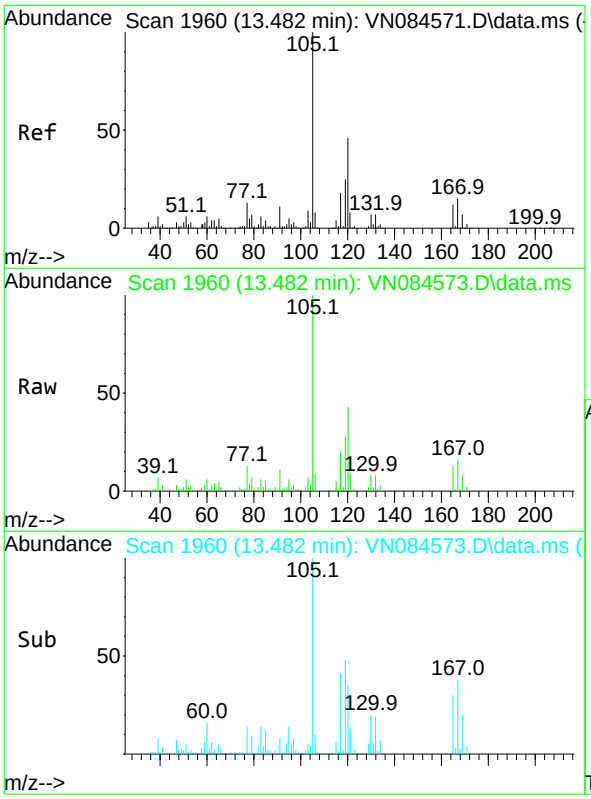
Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.1	102.3
134	24.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

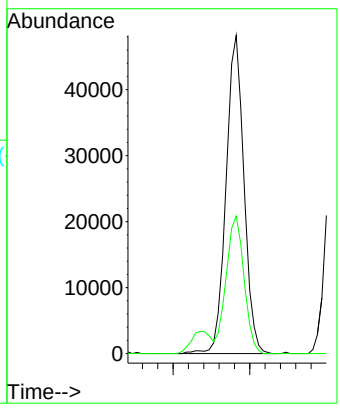
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

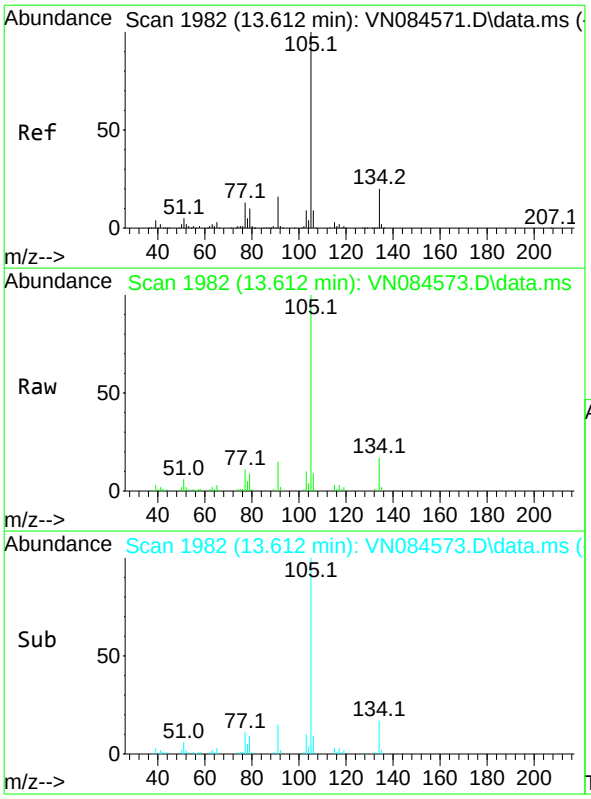


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

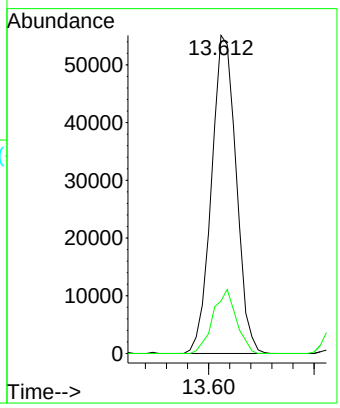




#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 89469

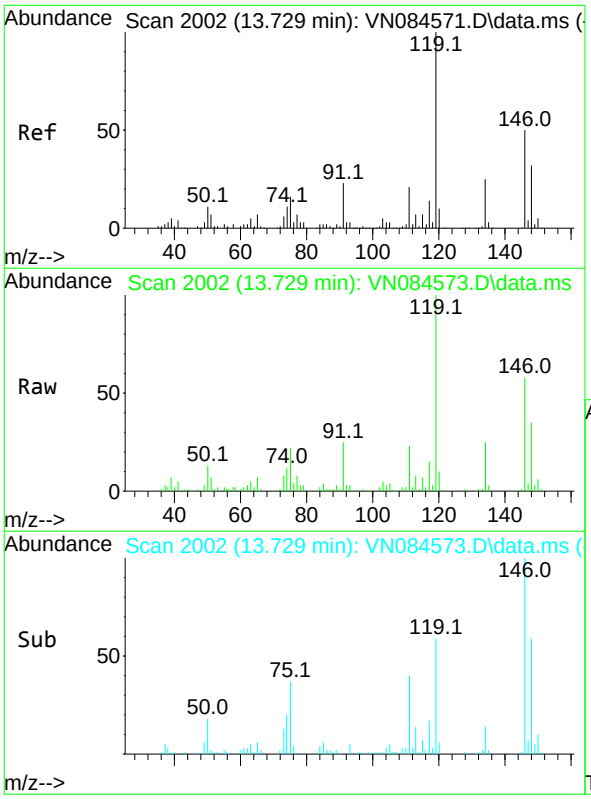
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

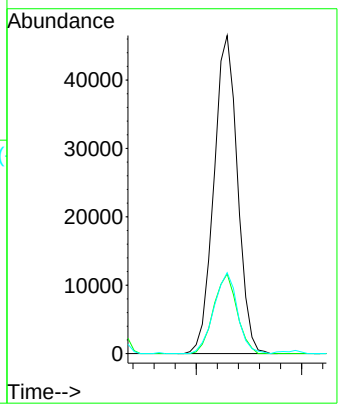
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

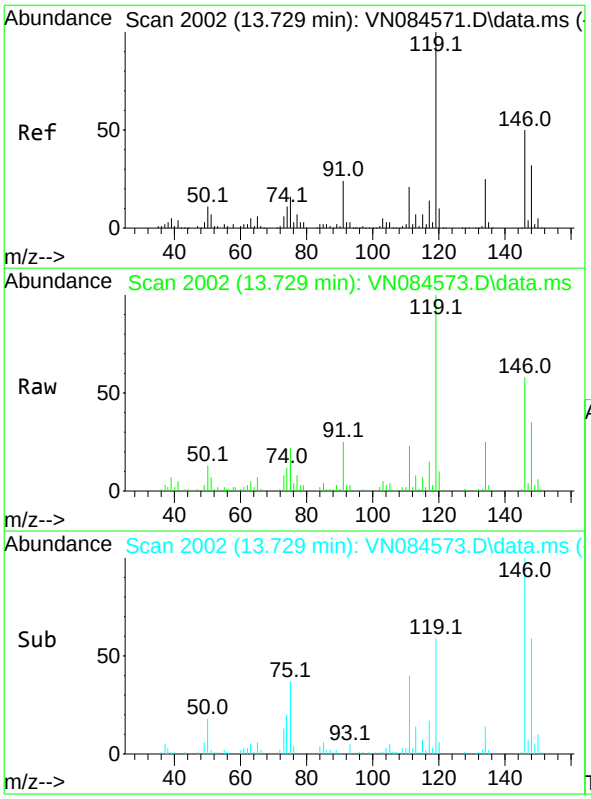


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

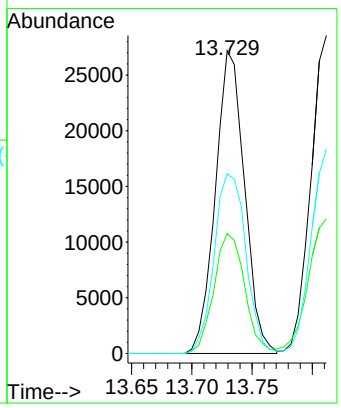




#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 45832

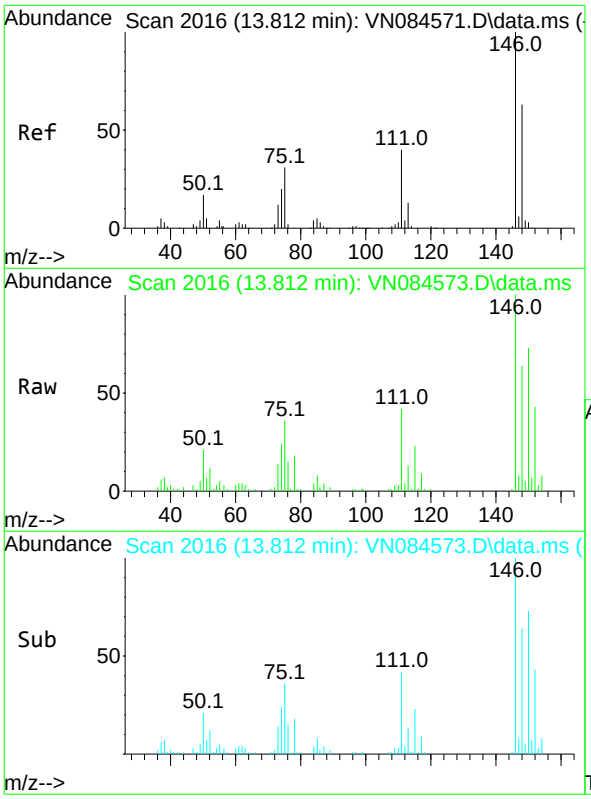
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.8	65.3
148	64.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

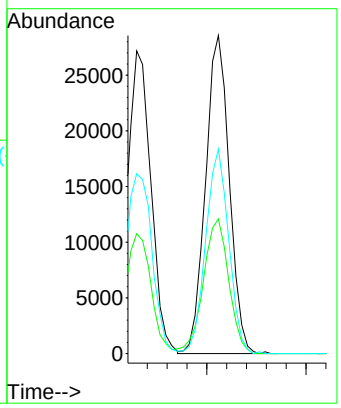
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

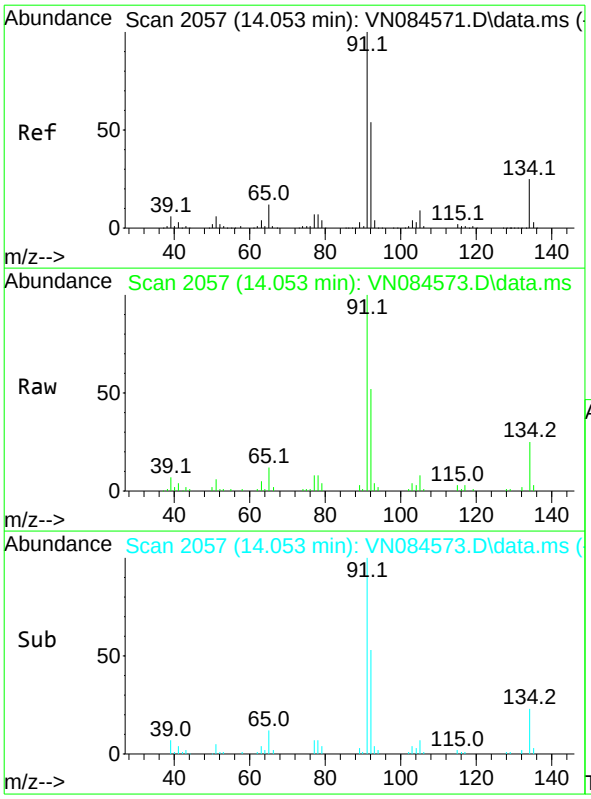


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

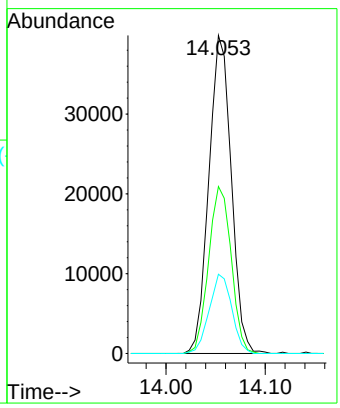




#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 62495

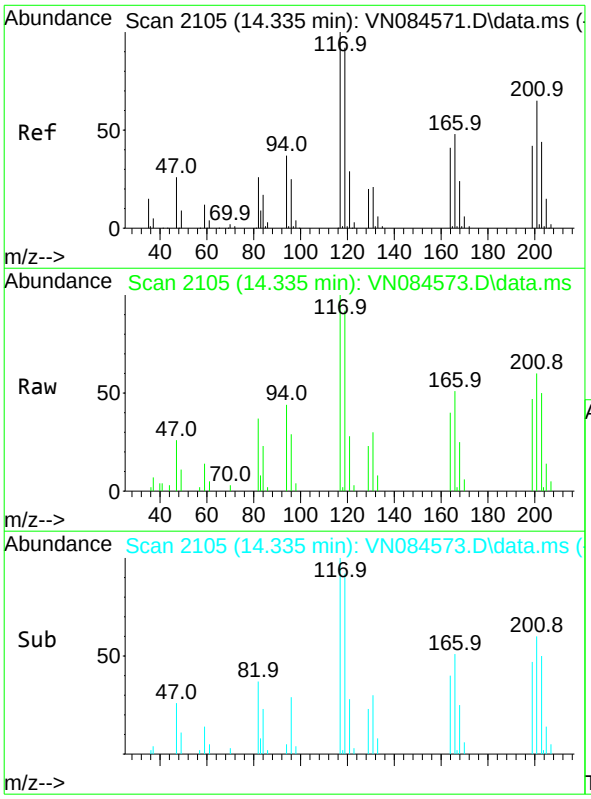
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.7
134	25.1	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

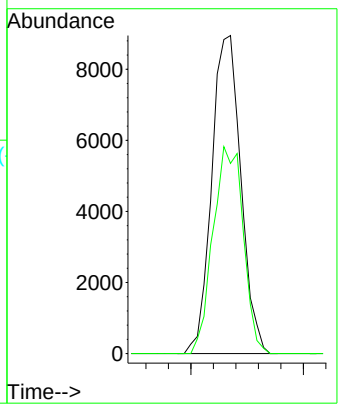
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

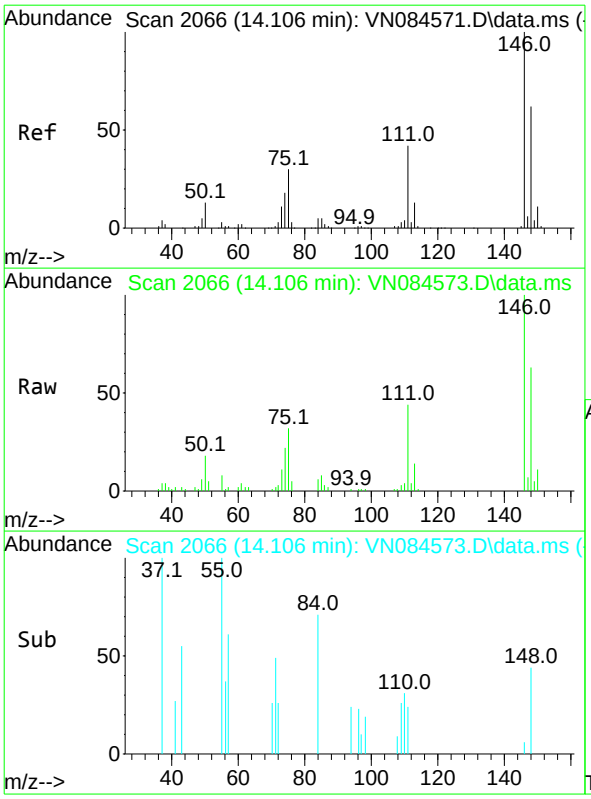


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2

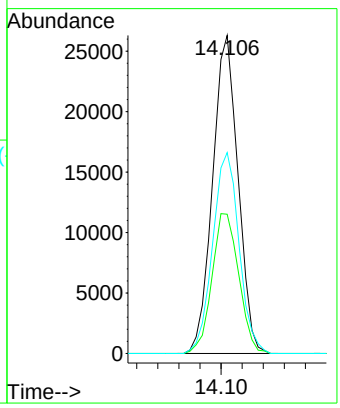




#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:146 Resp: 44055

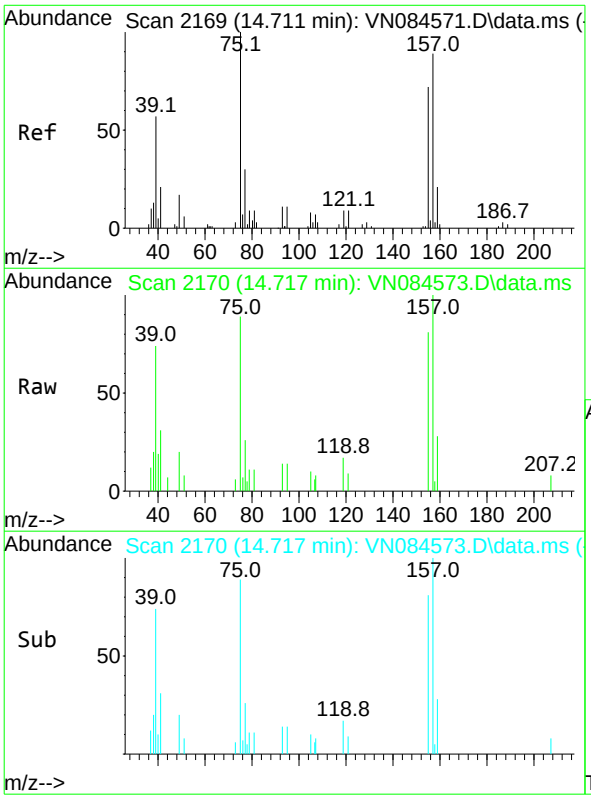
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.0	66.0
148	65.6	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

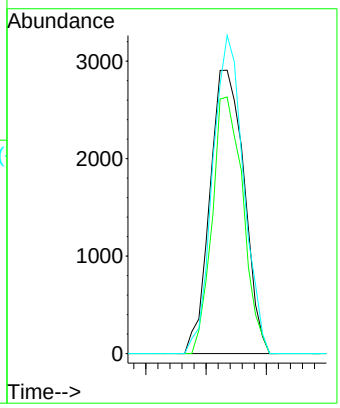
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

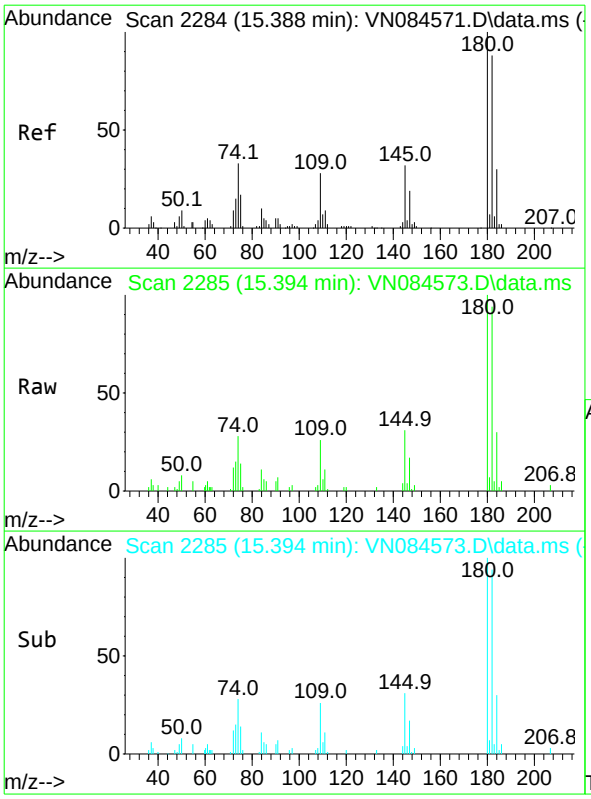


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

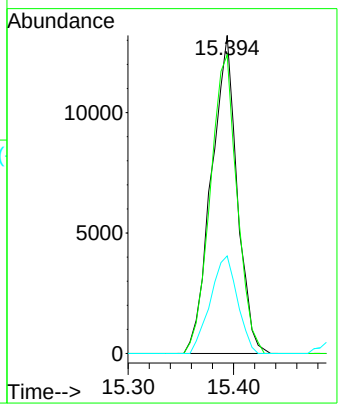




#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:180 Resp: 22413

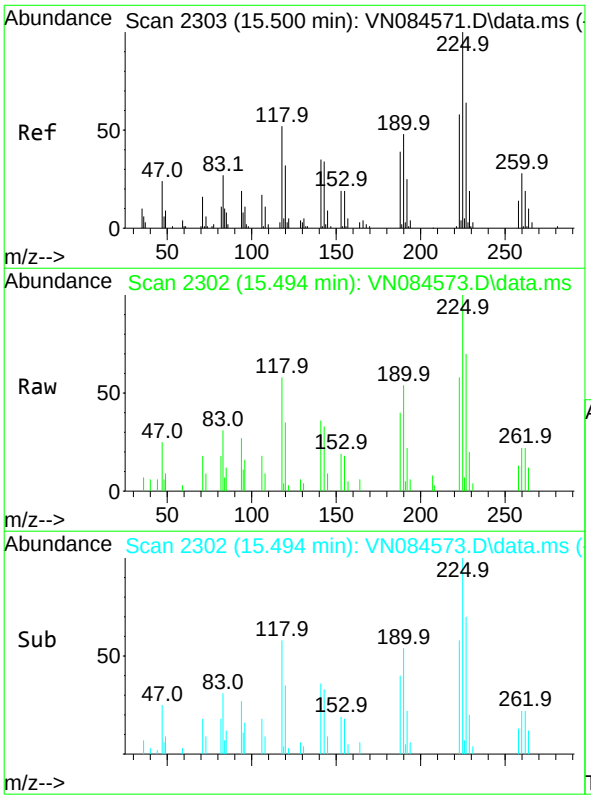
Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.0	141.0
145	32.1	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

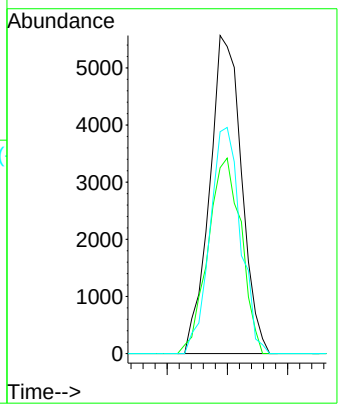
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

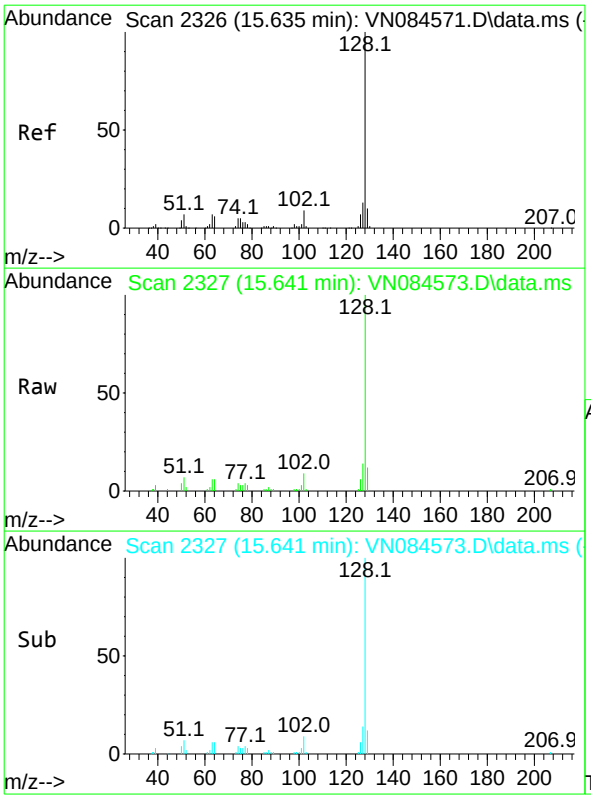


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

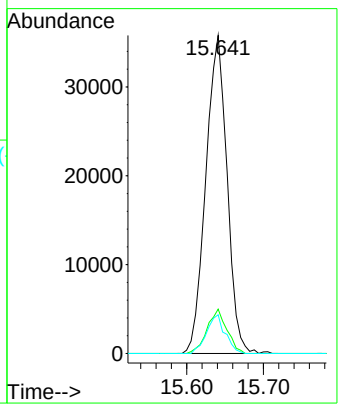




#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:128 Resp: 68919

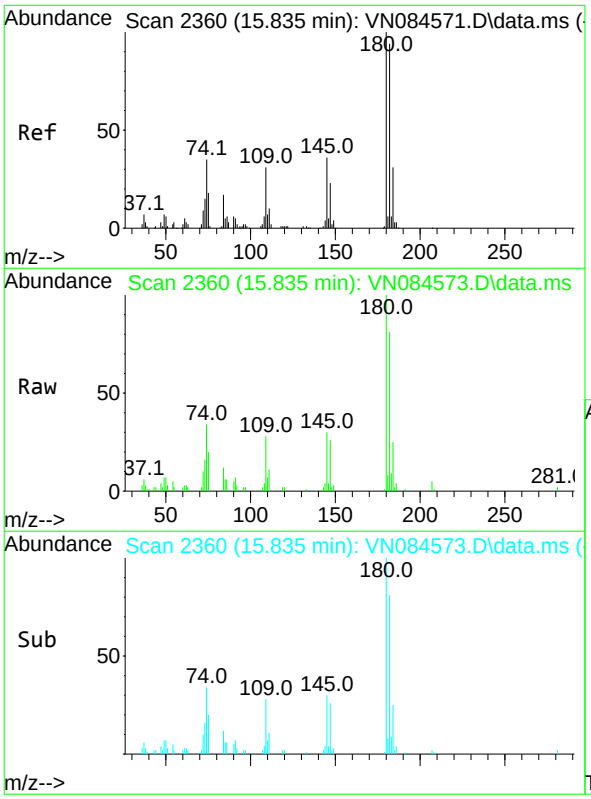
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

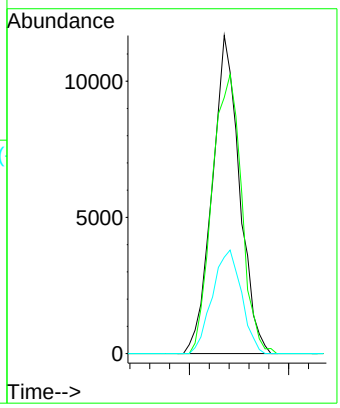
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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

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)
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

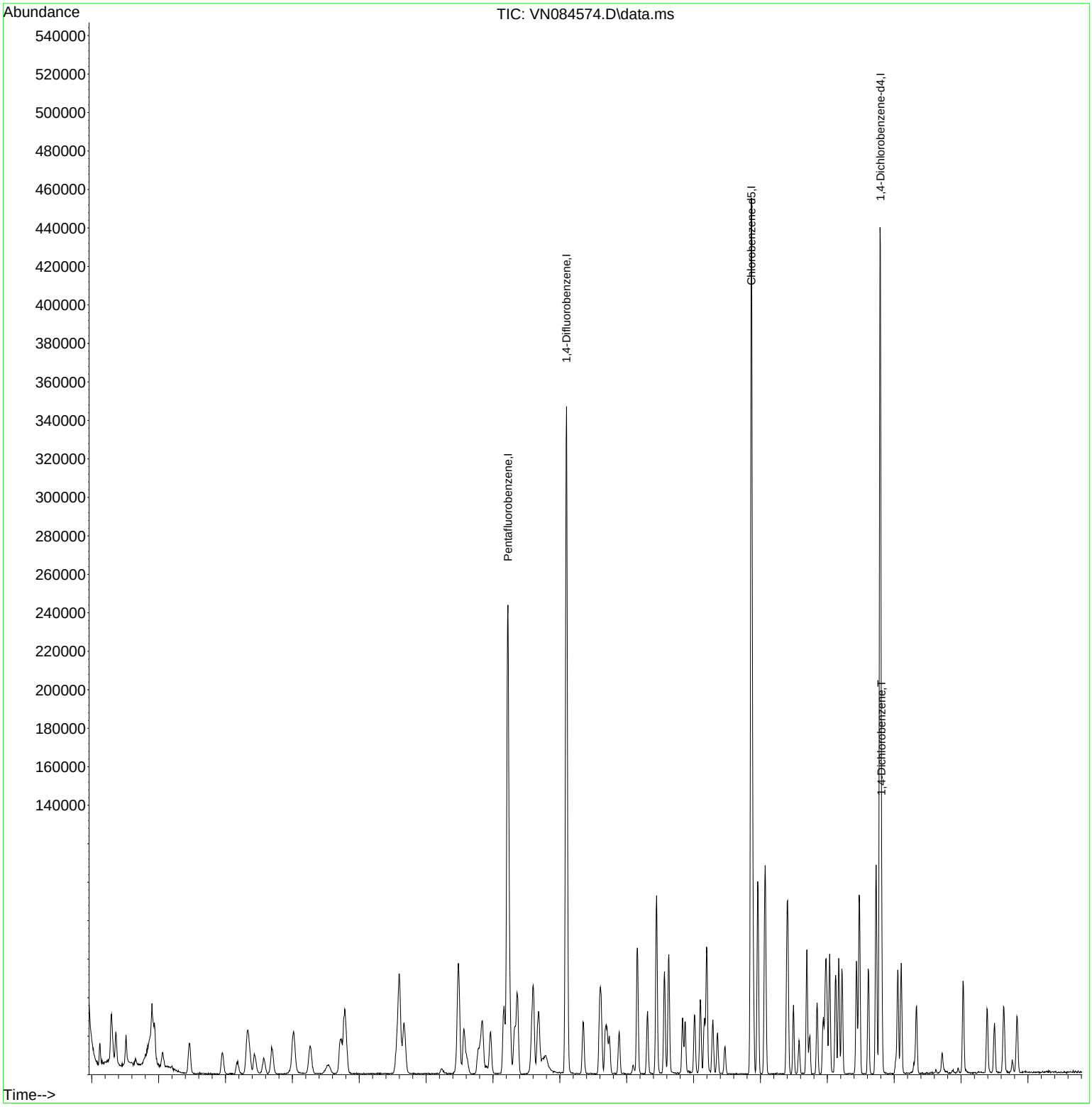
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

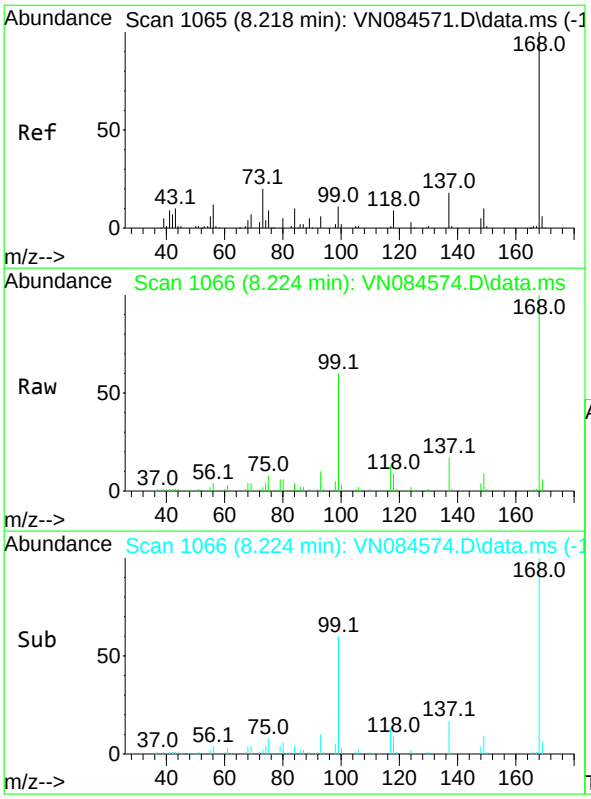
Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

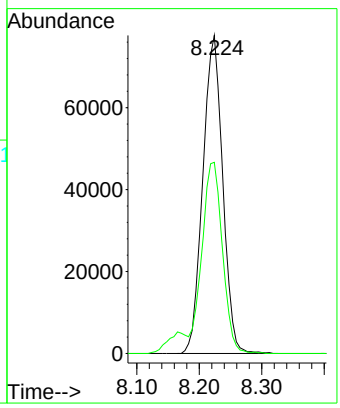




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:168 Resp: 171598

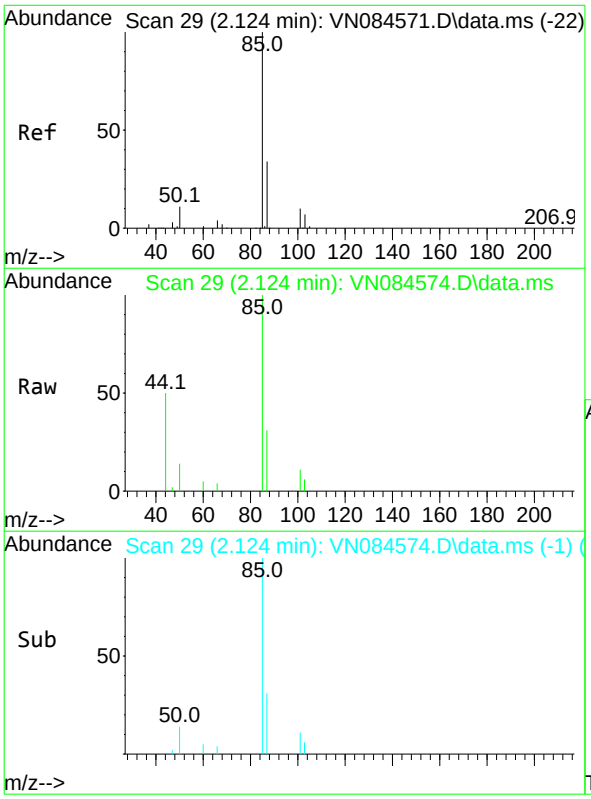
Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

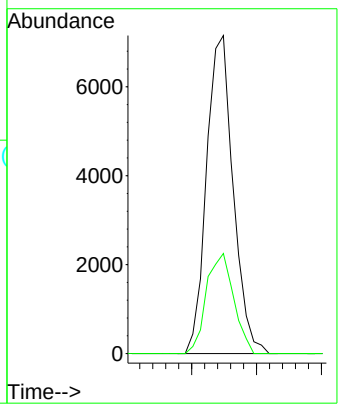
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

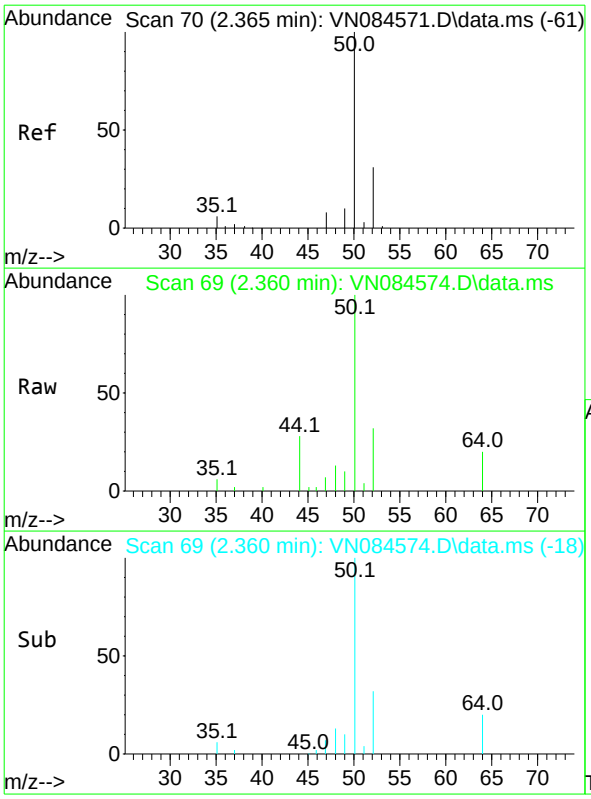


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9

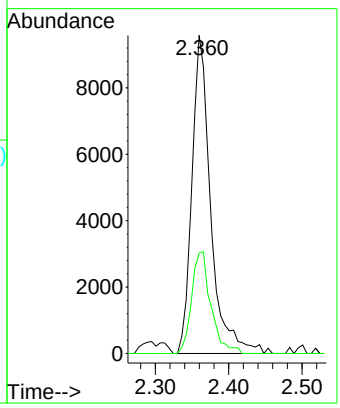




#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 50 Resp: 17076

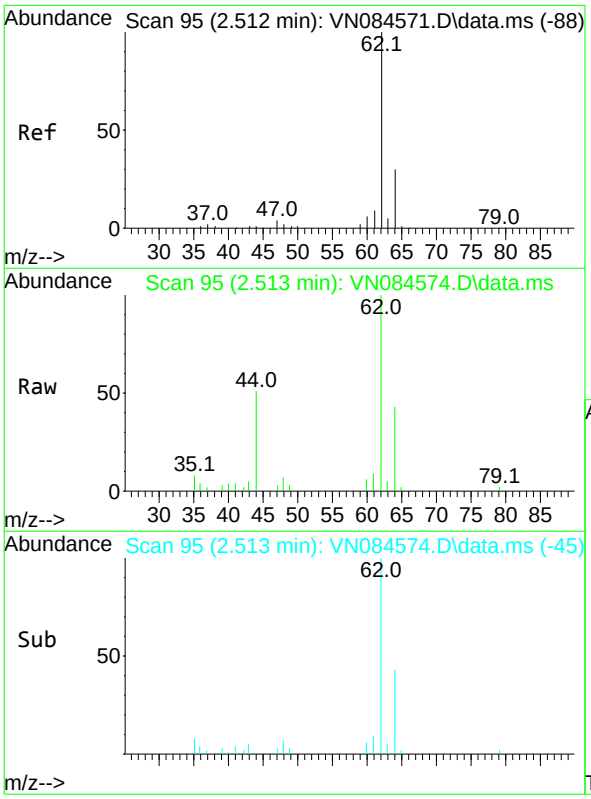
Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

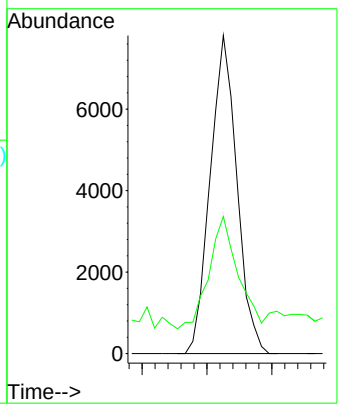
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

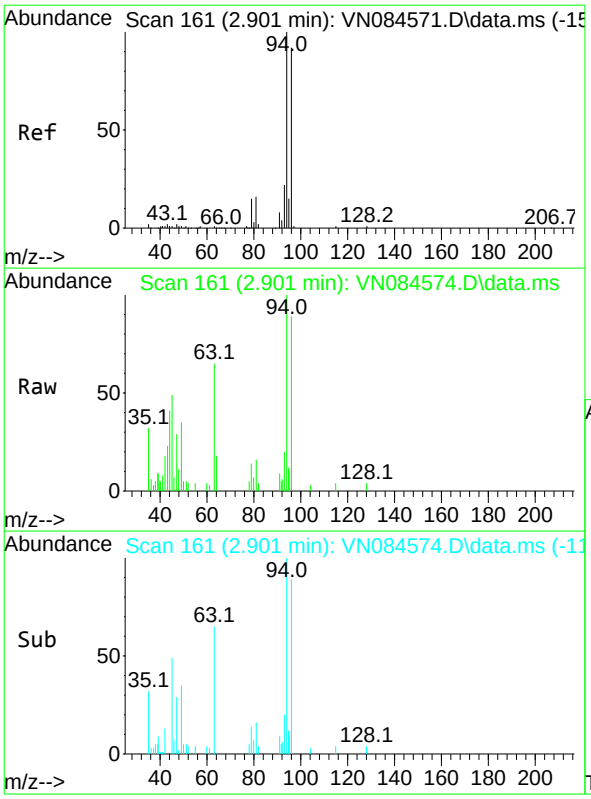


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4

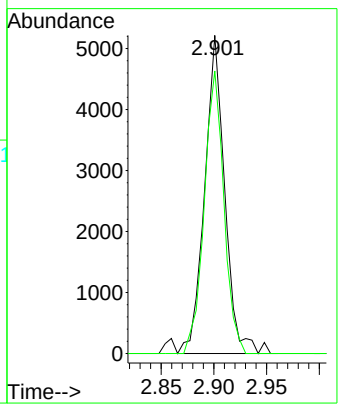




#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 94 Resp: 6944

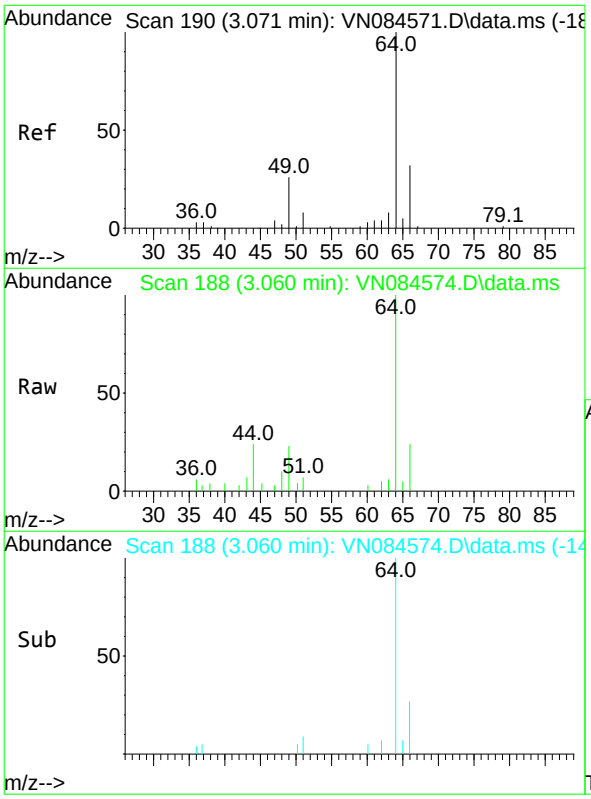
Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

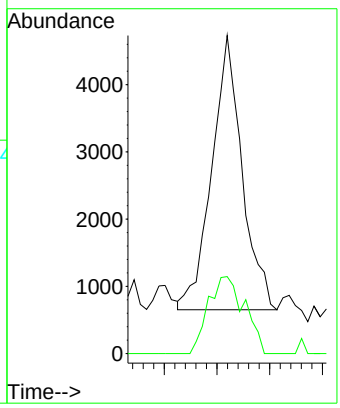
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

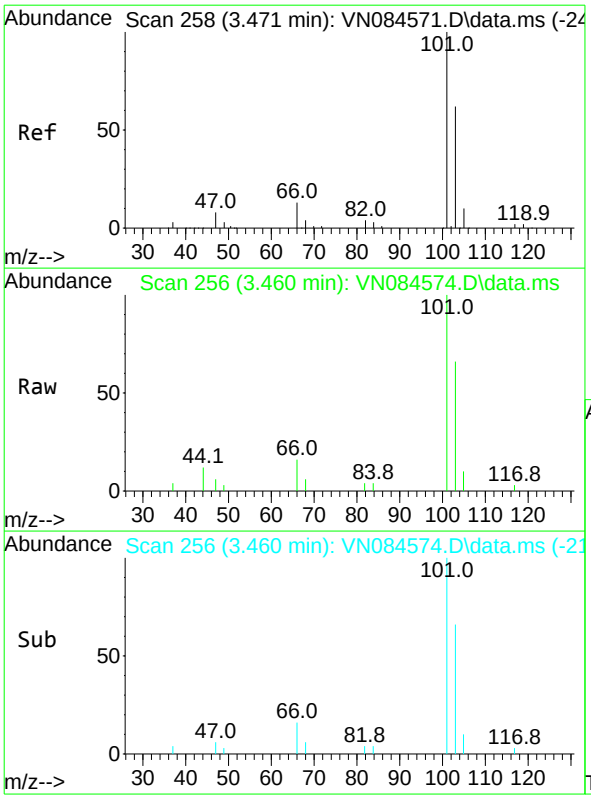


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3

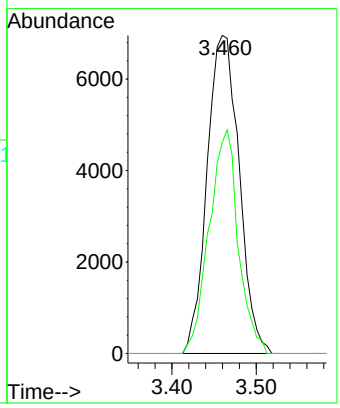




#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 25
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 18362

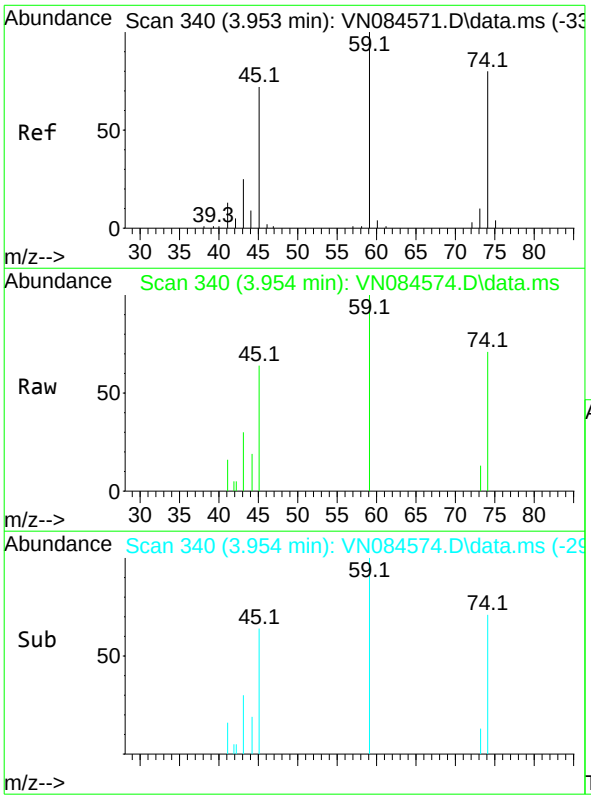
Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

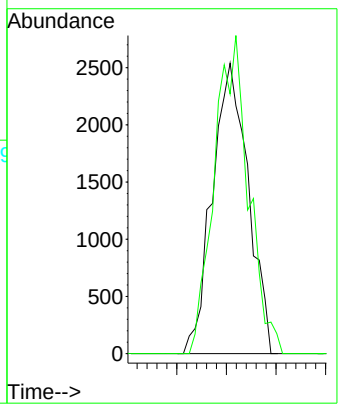
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

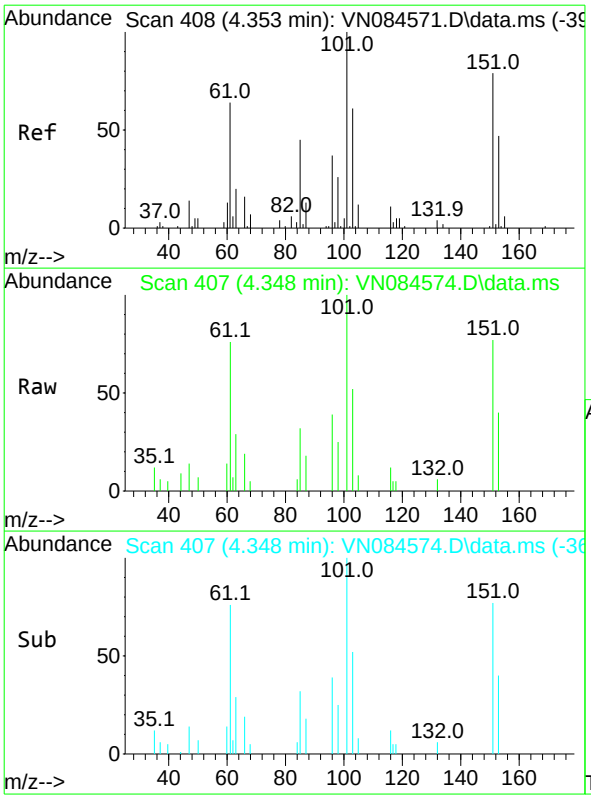


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1

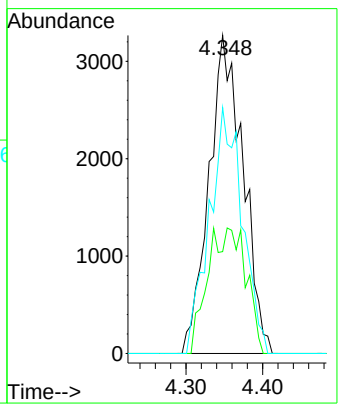




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 40
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:101 Resp: 10090

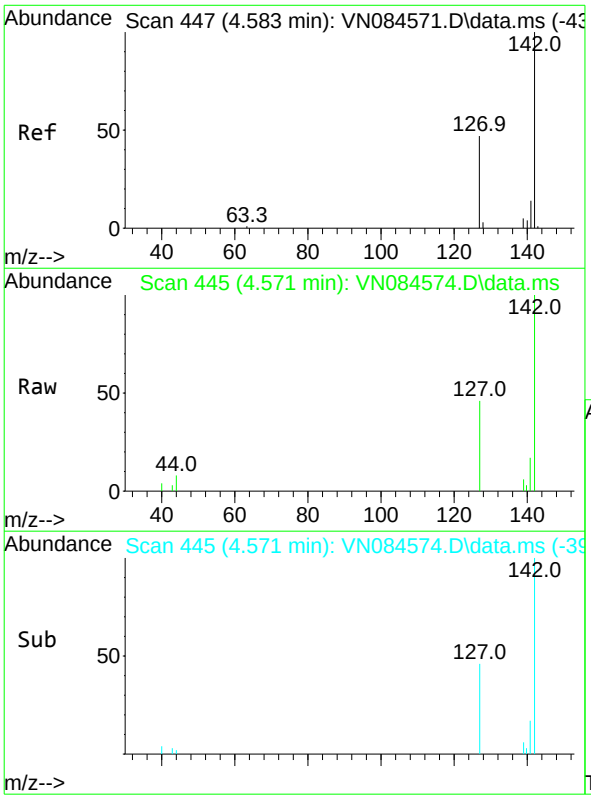
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	74.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

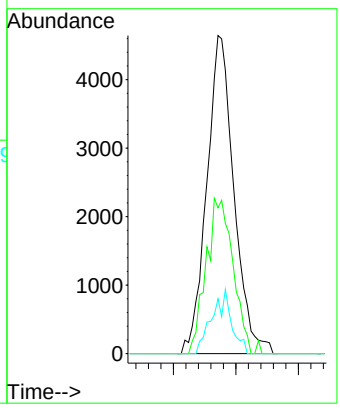
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

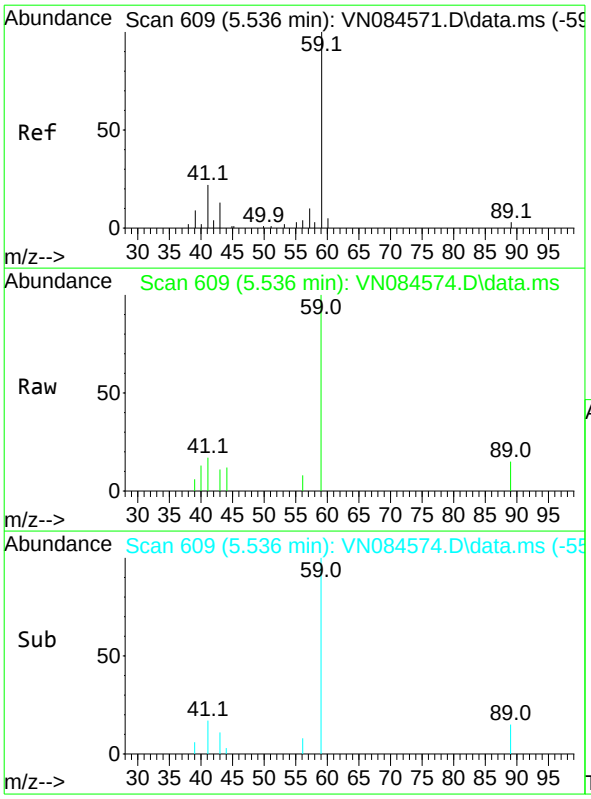


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#

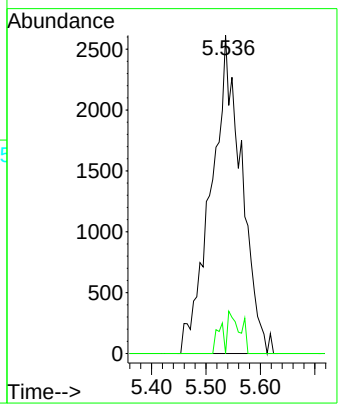




#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 59 Resp: 10153

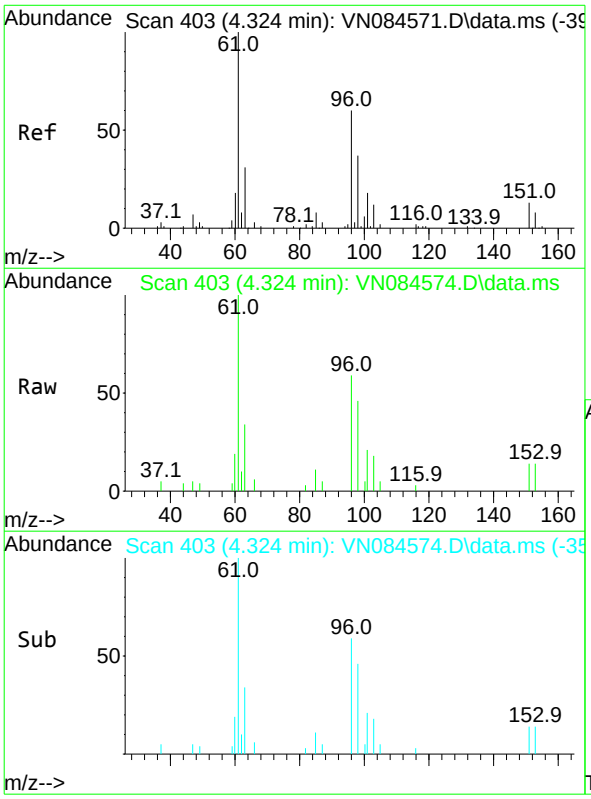
Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

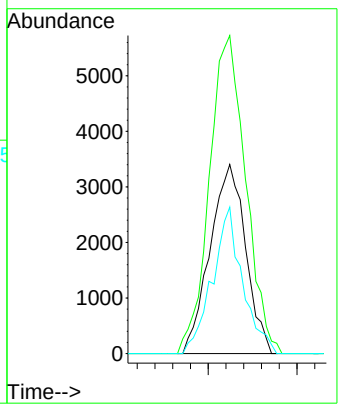
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

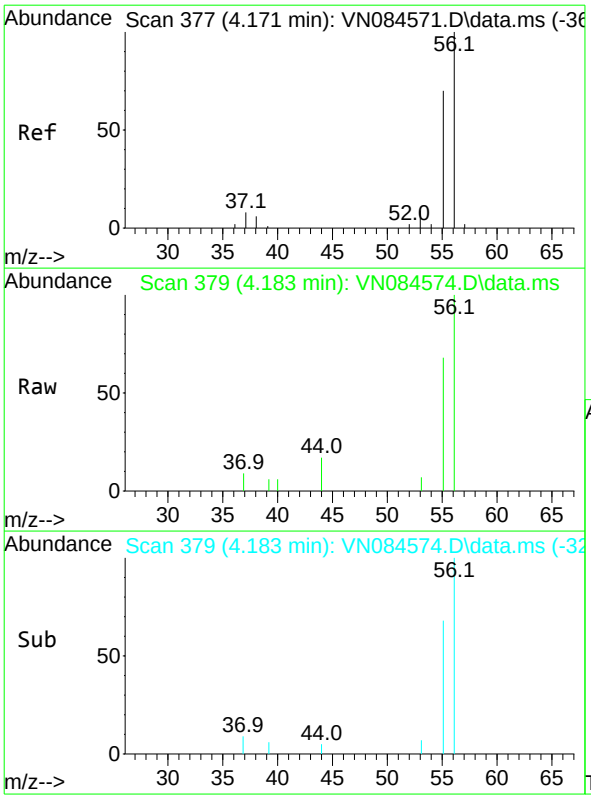


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

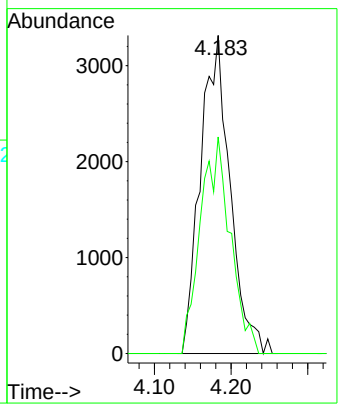




#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 8890

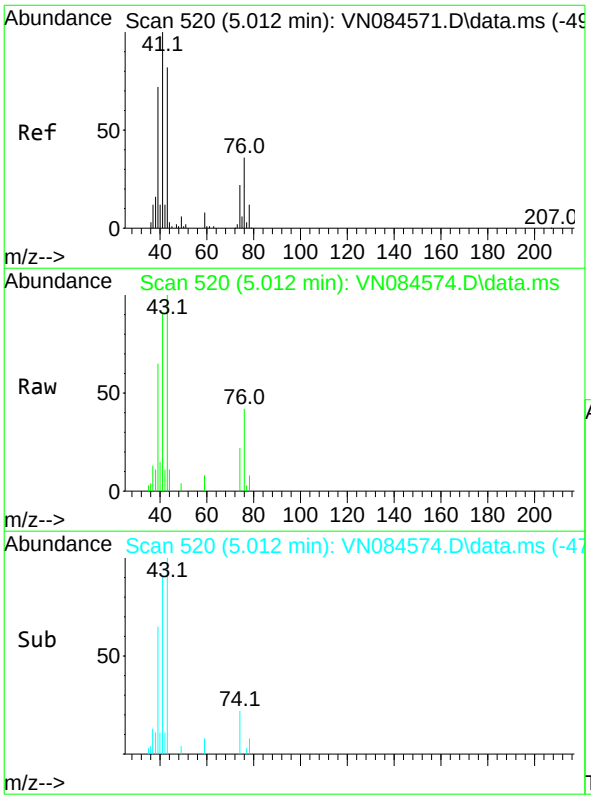
Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

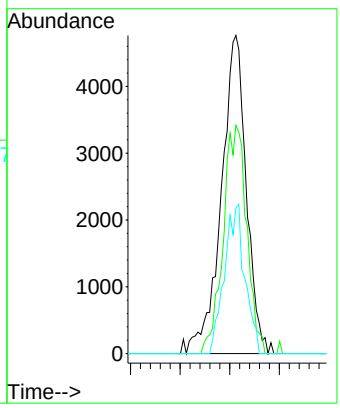
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

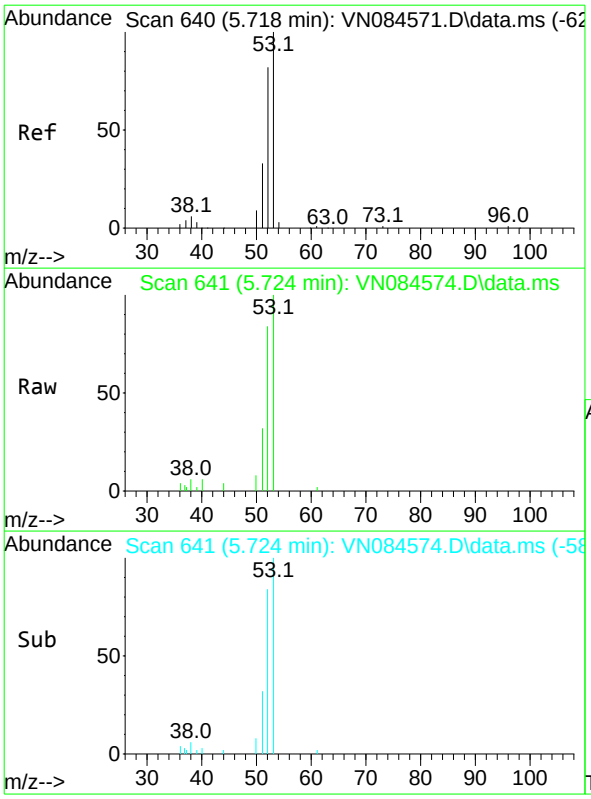


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

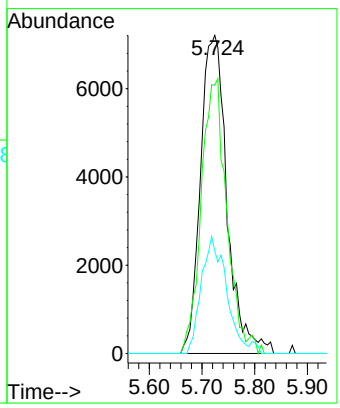




#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 53 Resp: 25212

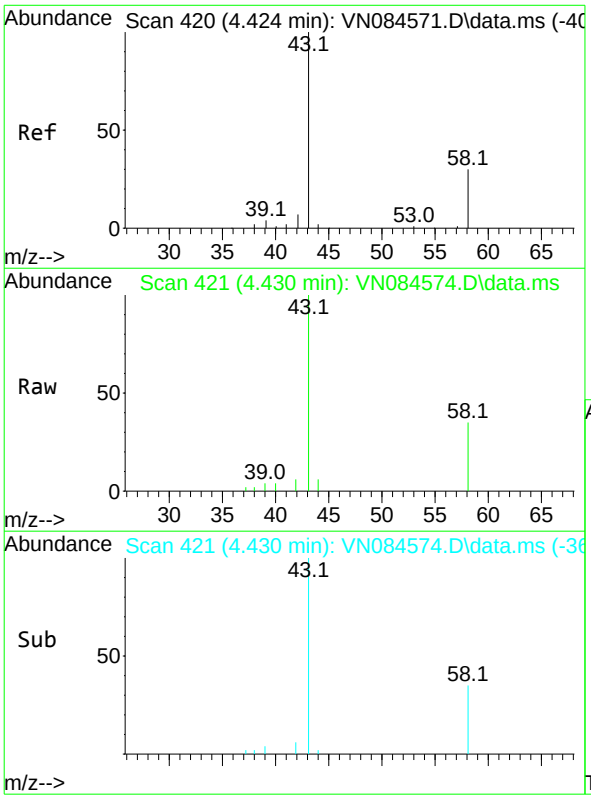
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	34.6	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

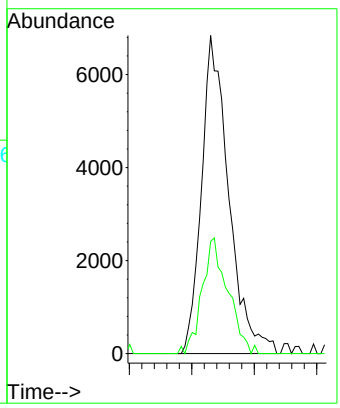
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

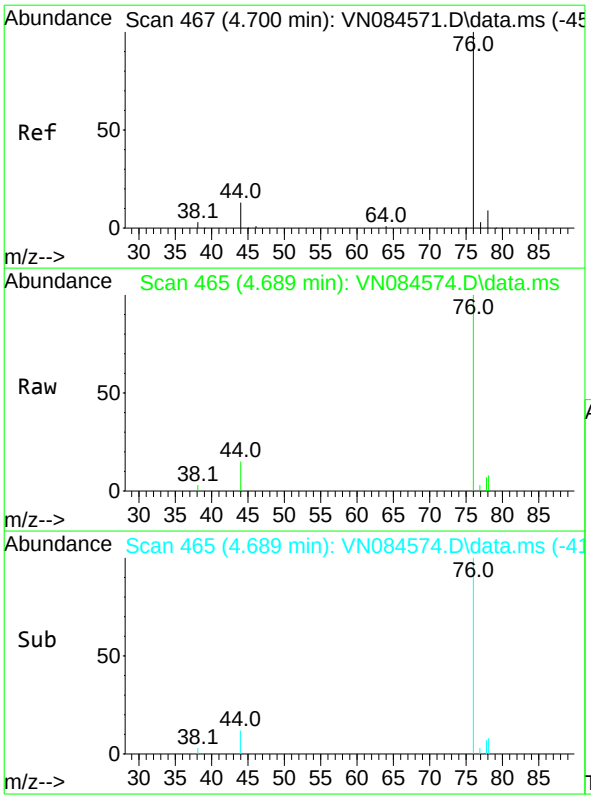


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

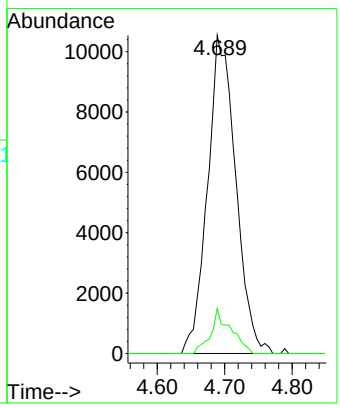
Tgt Ion: 76 Resp: 30614

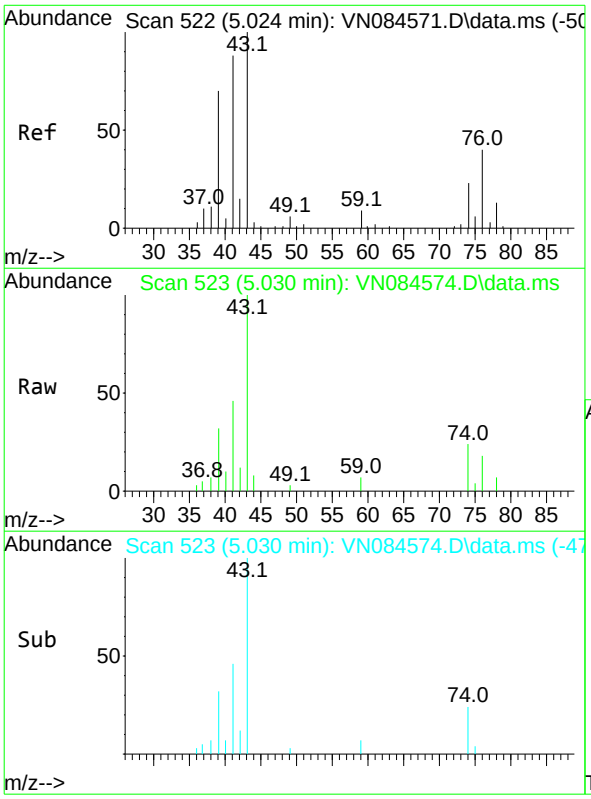
Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

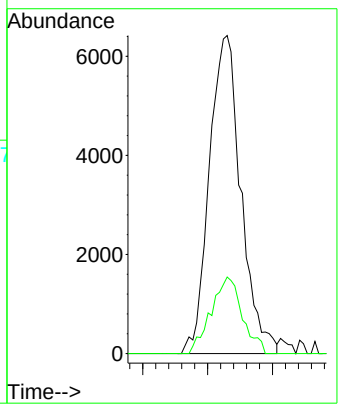


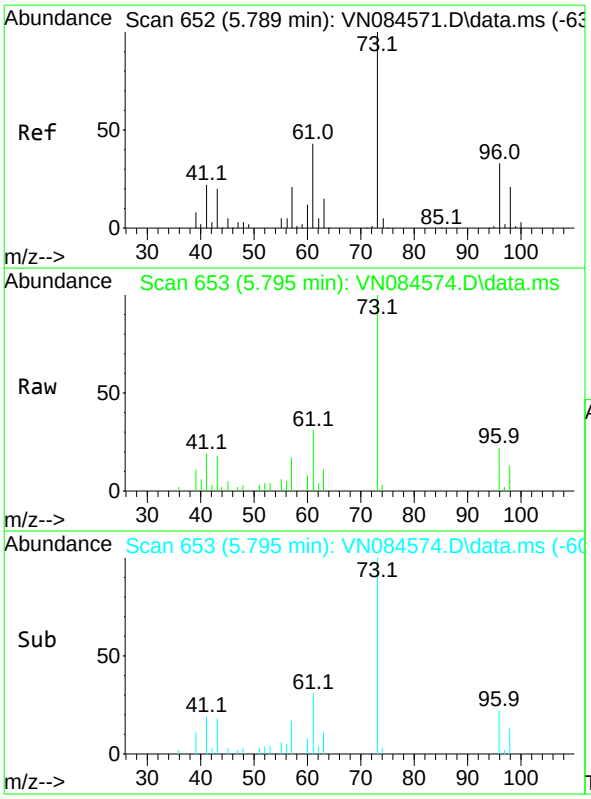


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8

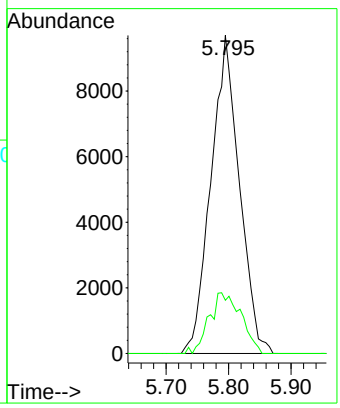




#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 73 Resp: 30655

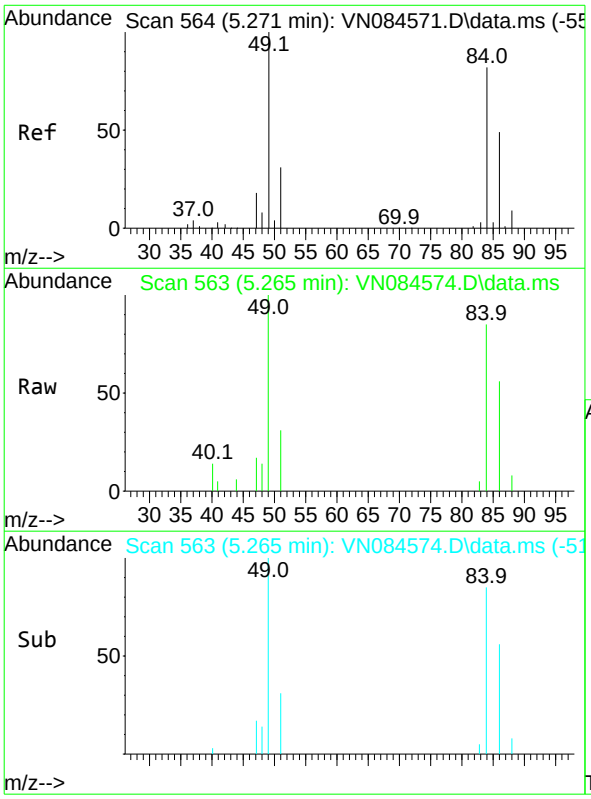
Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

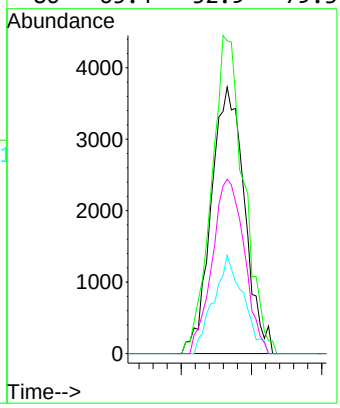
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

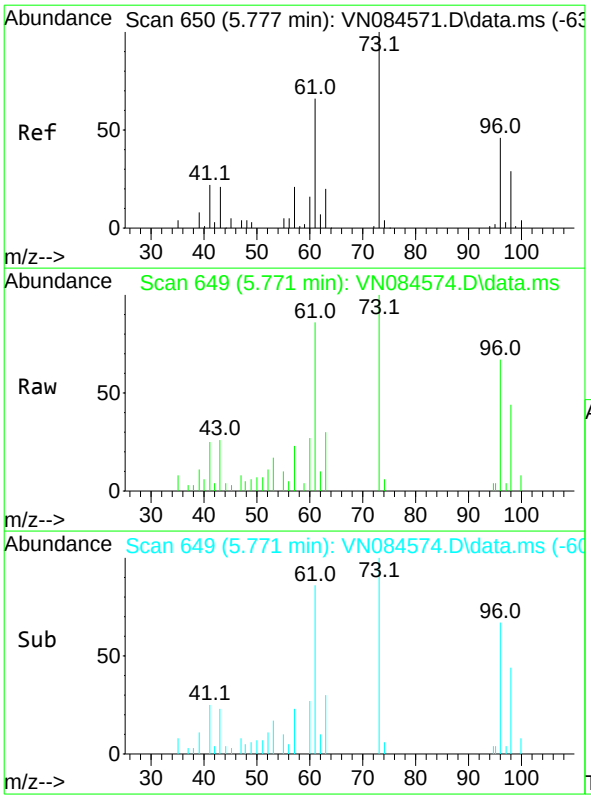


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

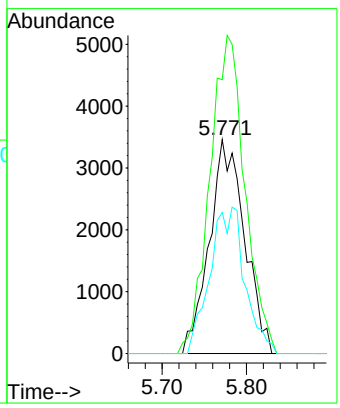




#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 10024

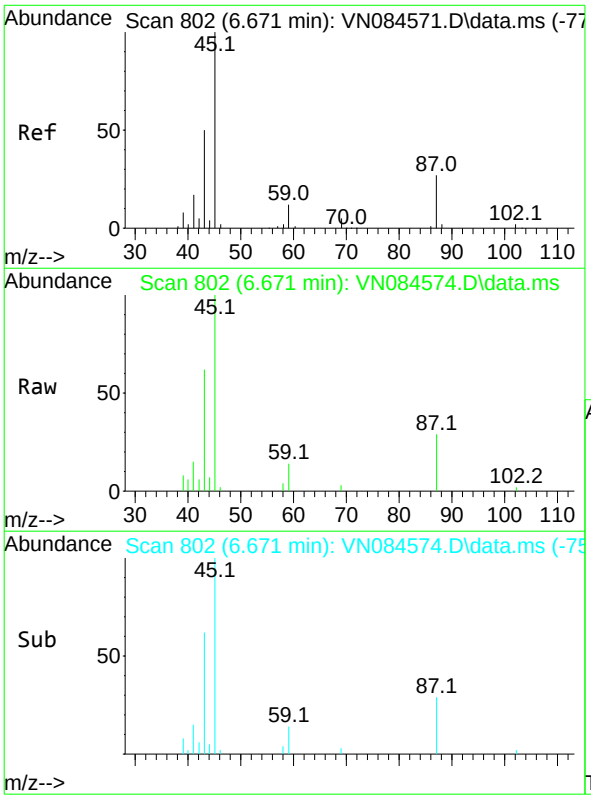
Ion	Ratio	Lower	Upper
96	100		
61	128.0	108.4	162.6
98	66.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

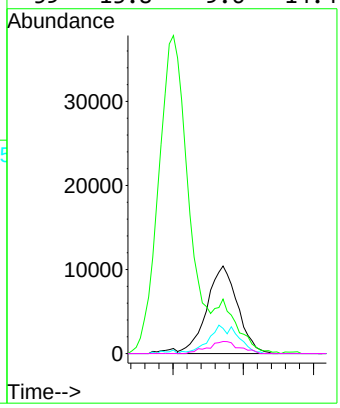
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

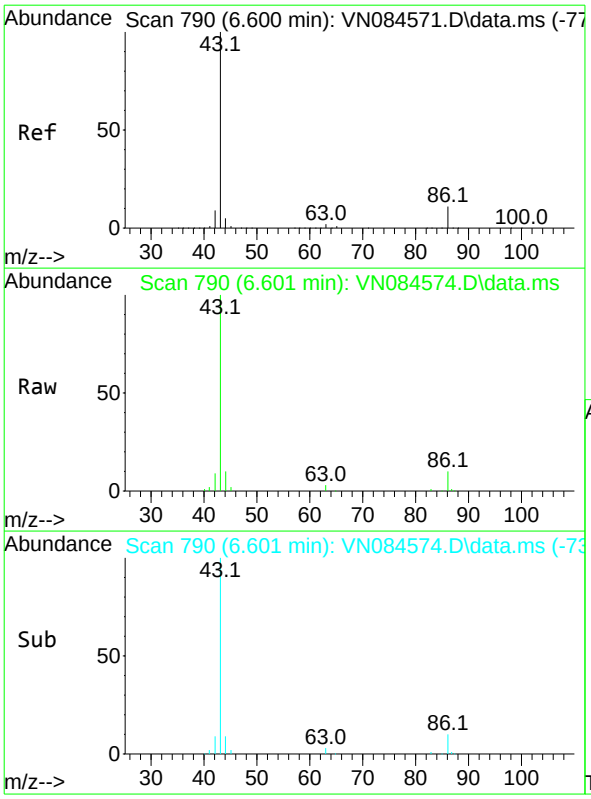


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

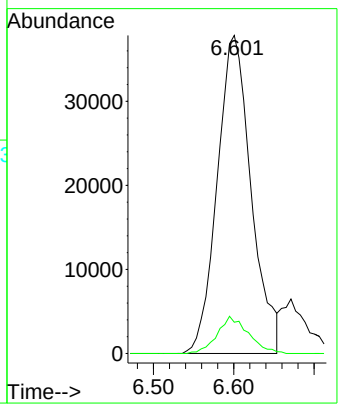




#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 111267

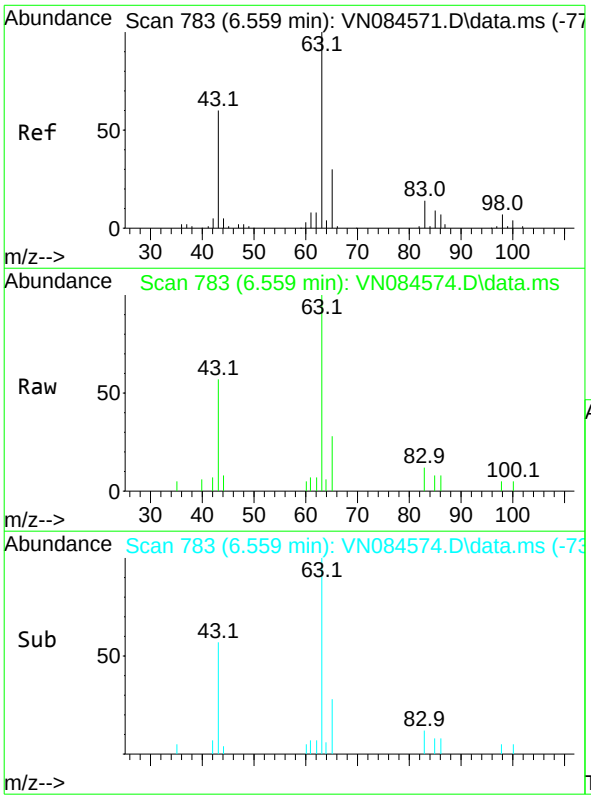
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

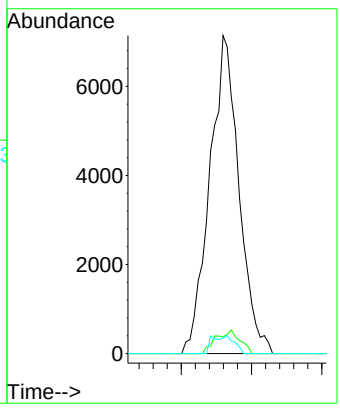
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

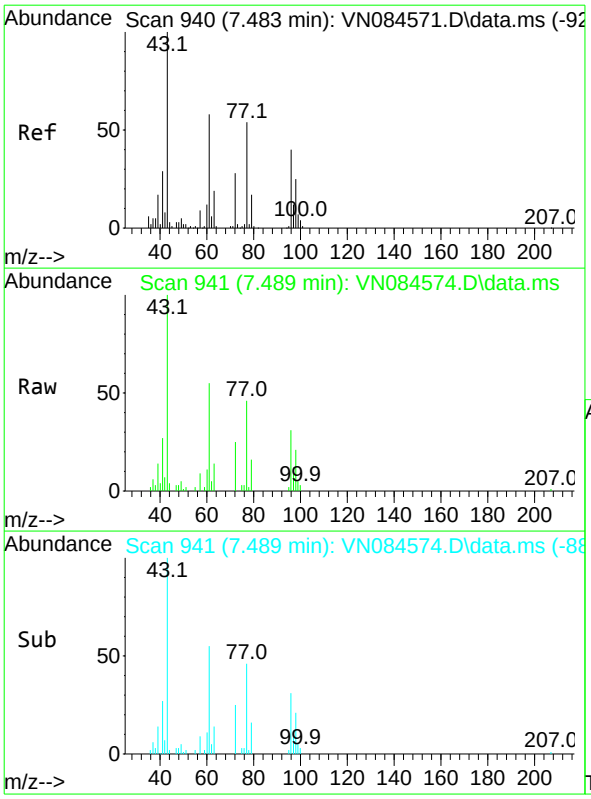


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

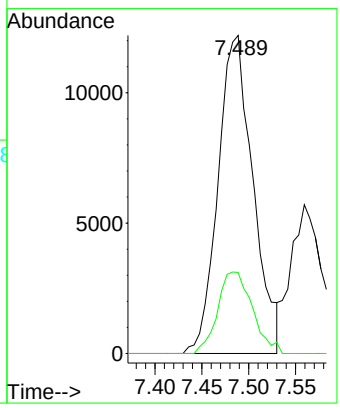




#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 31742

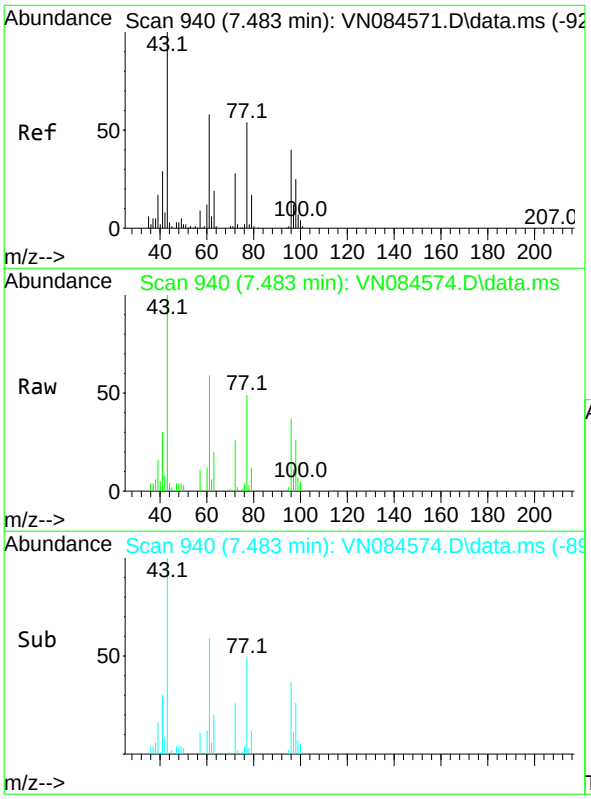
Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

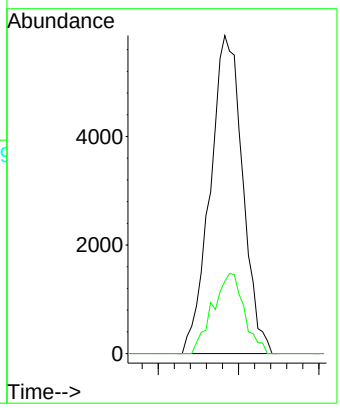
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

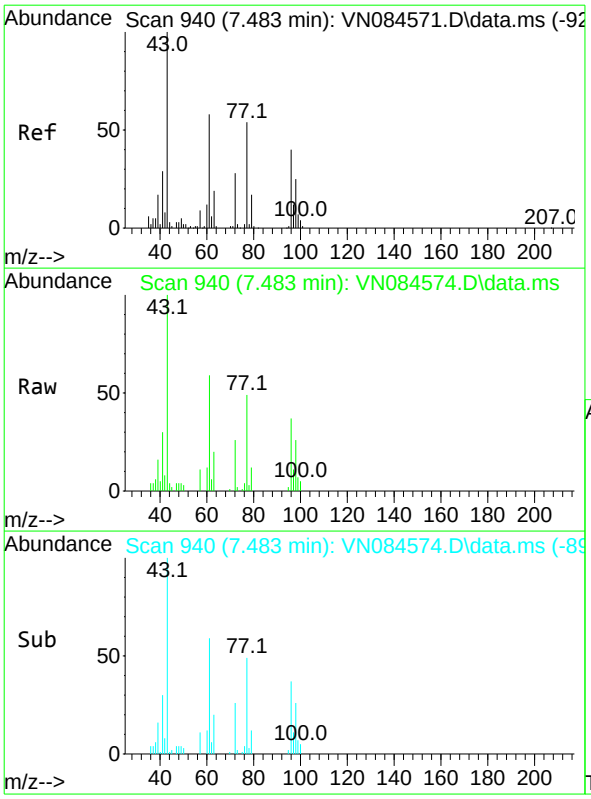


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3

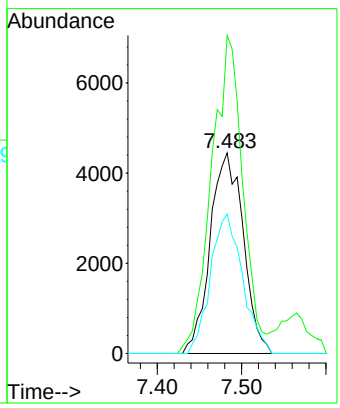




#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 96 Resp: 12105

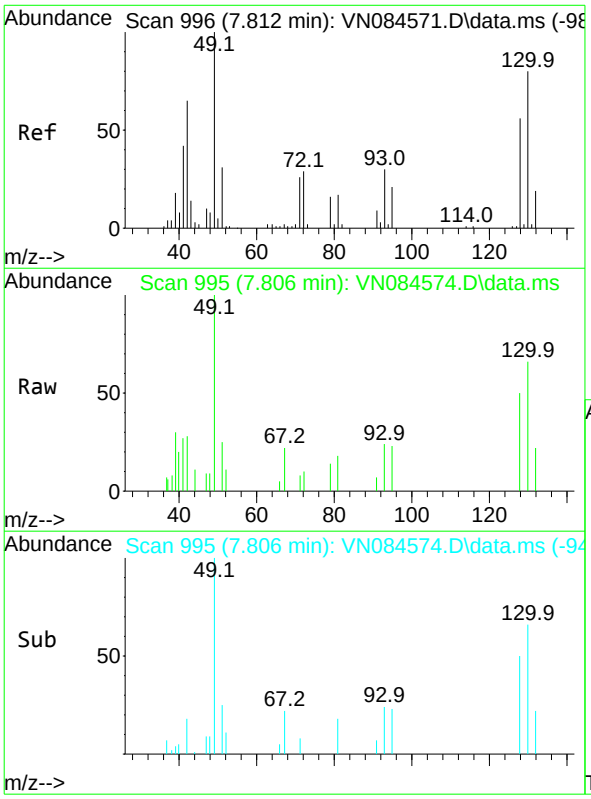
Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	301.8
98	67.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

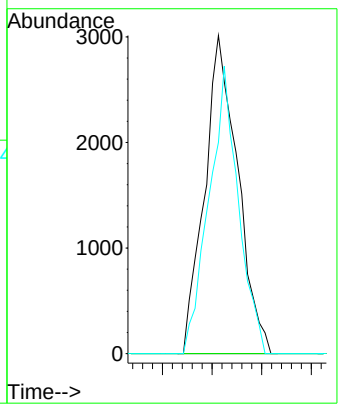
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

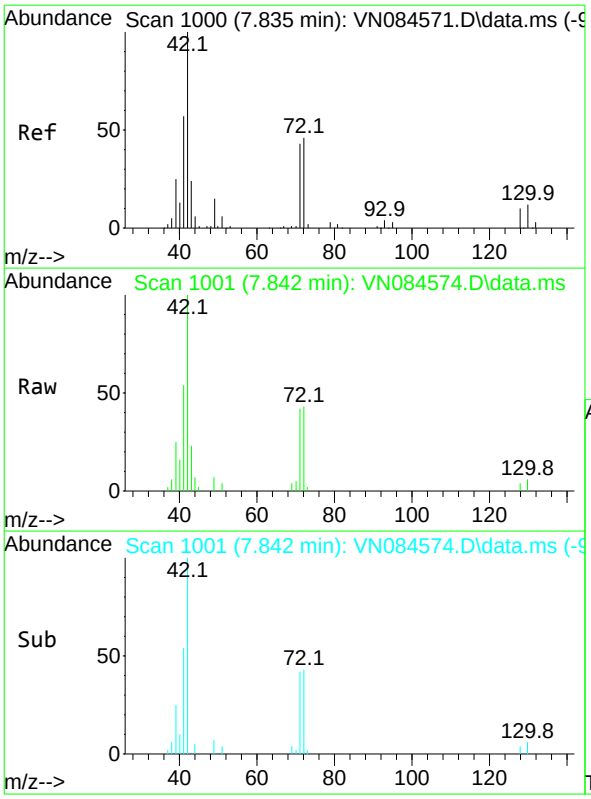


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

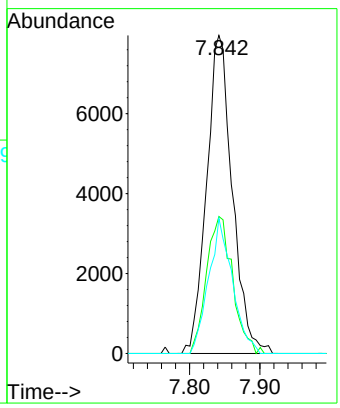




#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 42 Resp: 20240

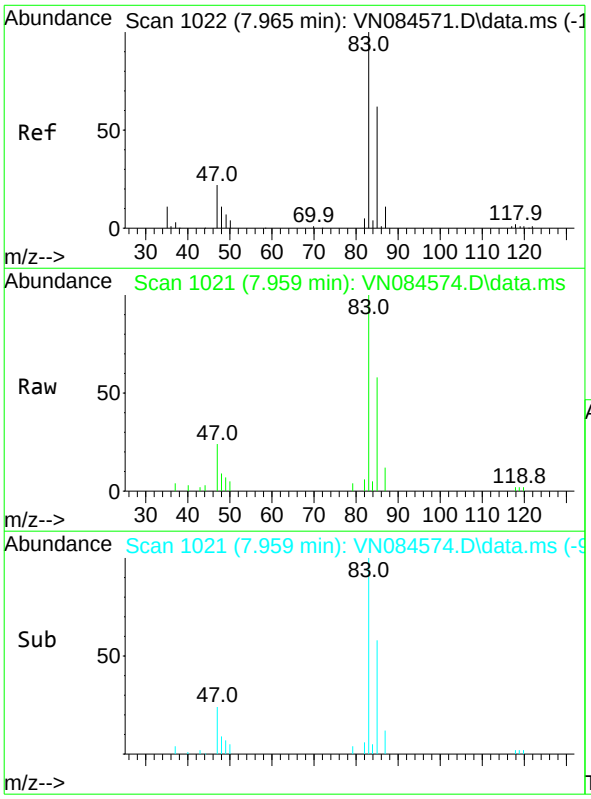
Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.6	51.8
71	39.3	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

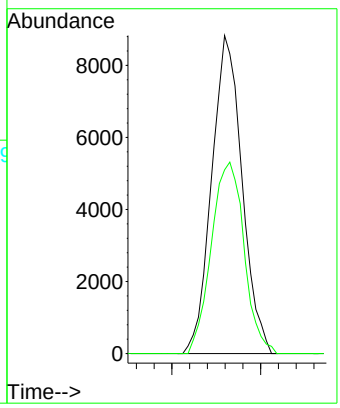
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

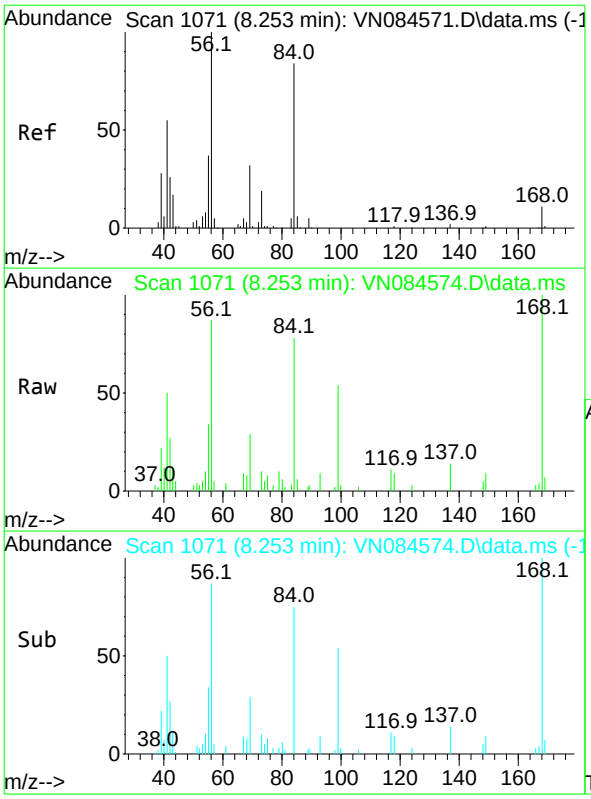


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4

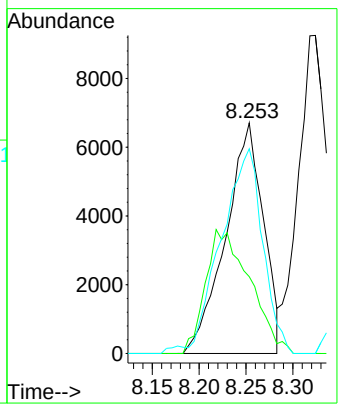




#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 56 Resp: 18750

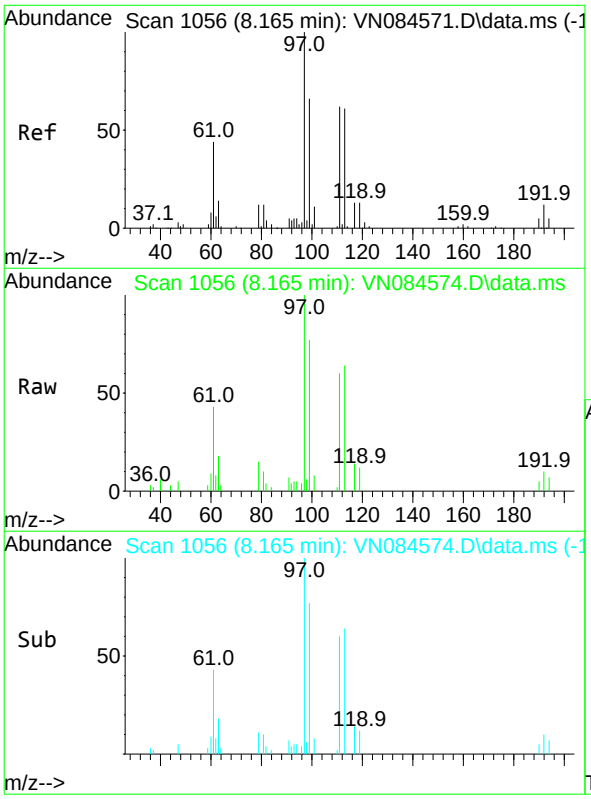
Ion	Ratio	Lower	Upper
56	100		
69	33.3	23.8	35.6
84	85.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

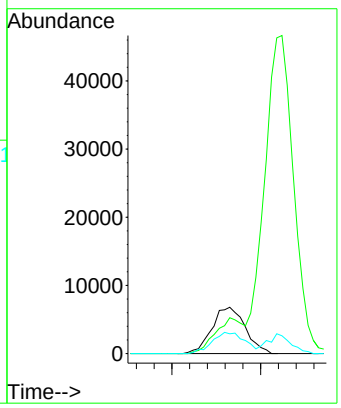
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

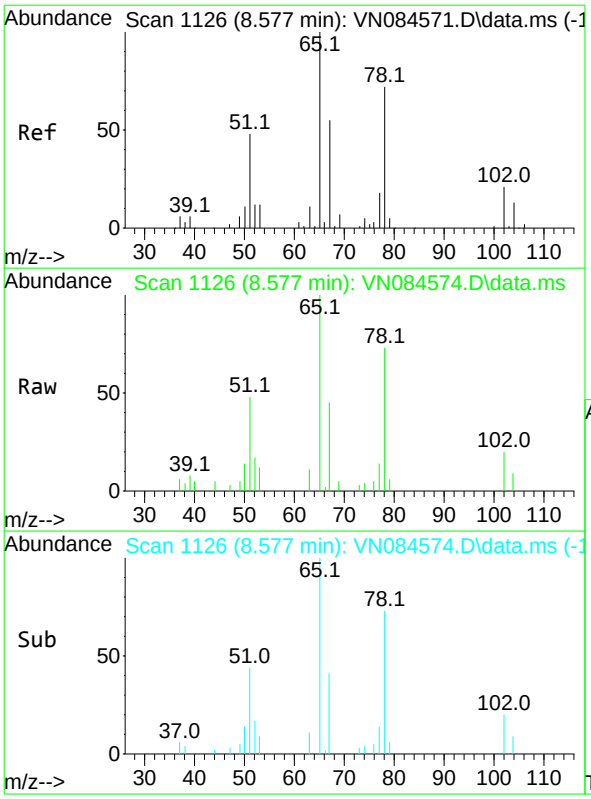


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

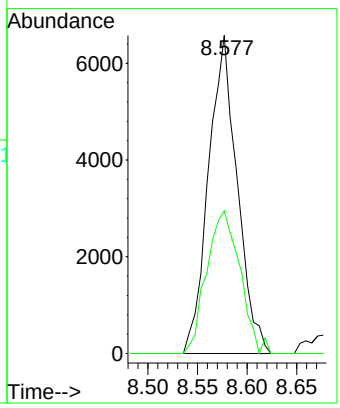




#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 65 Resp: 13227

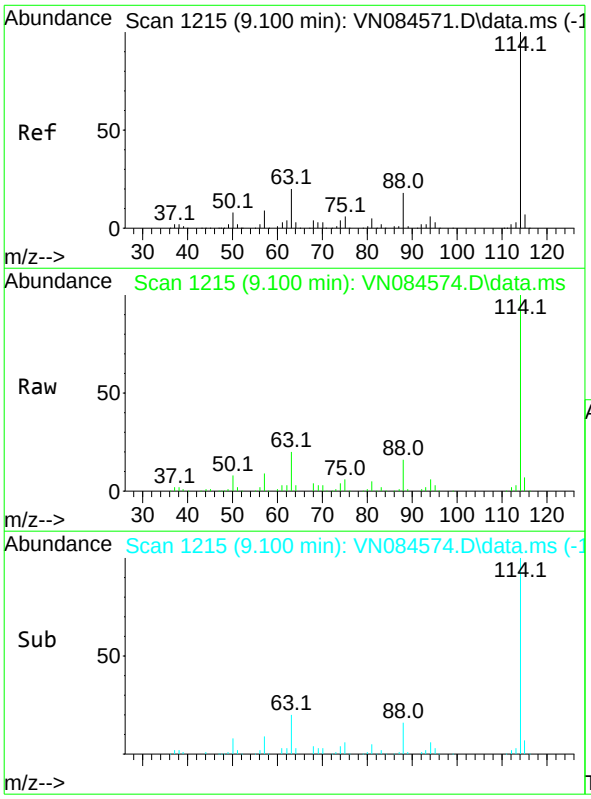
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

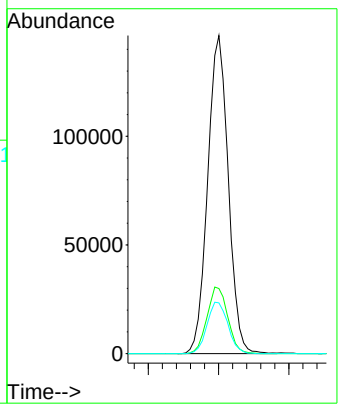
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

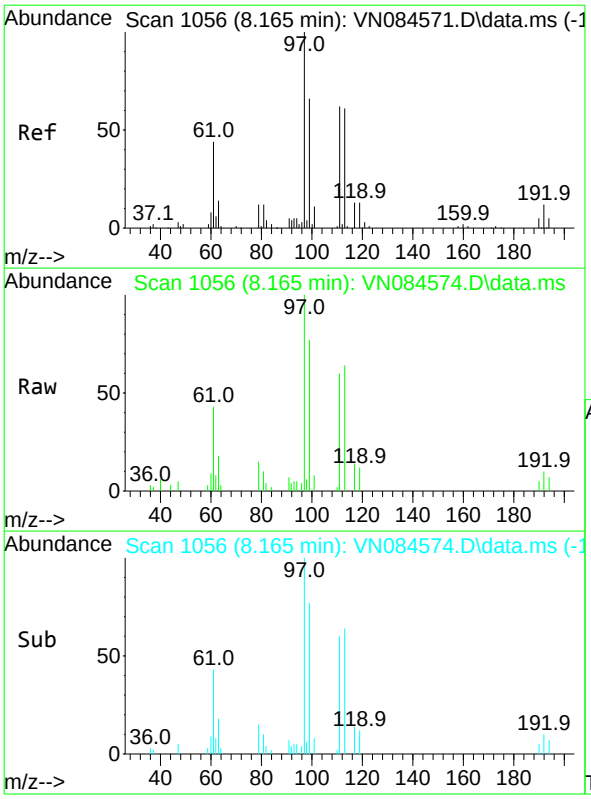


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

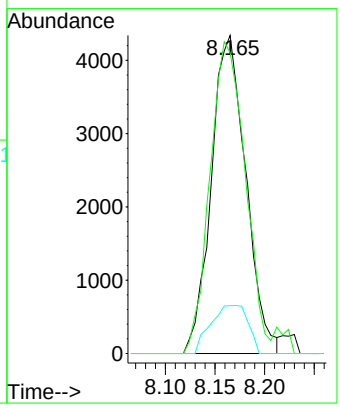




#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:113 Resp: 10512

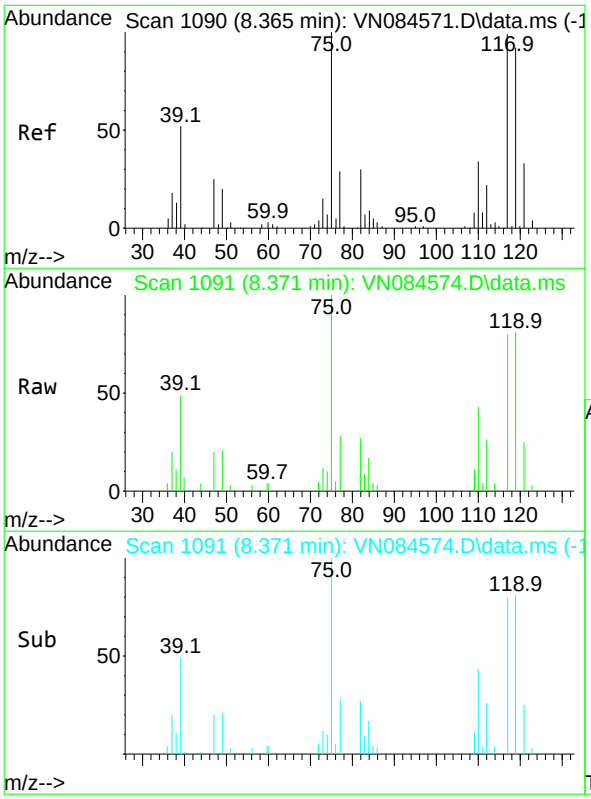
Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.3	124.9
192	16.2	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

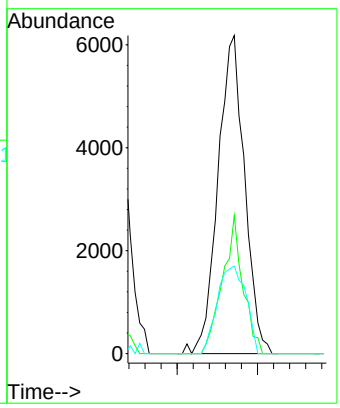
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

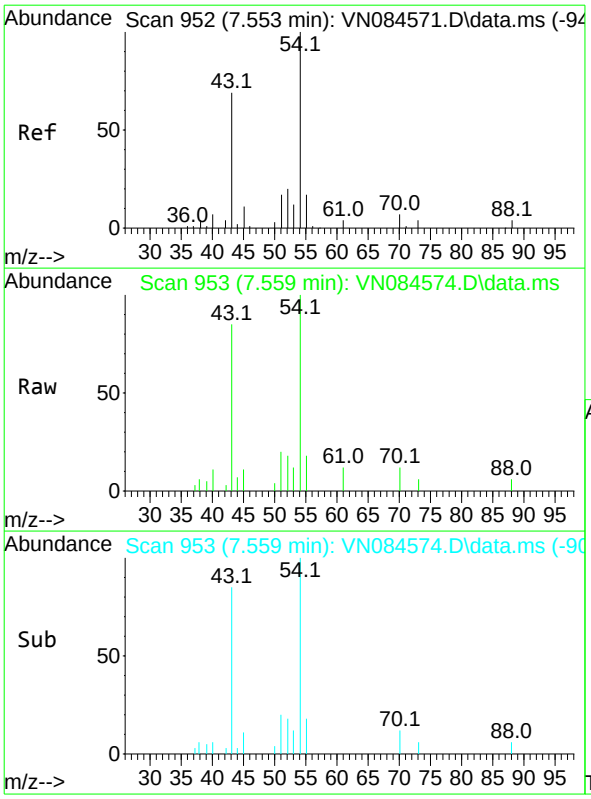


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

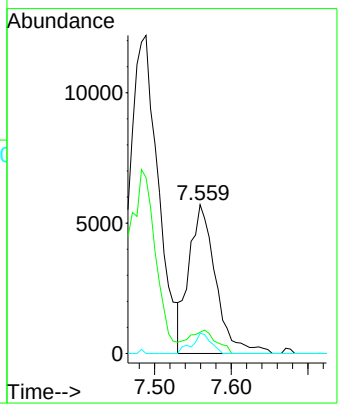




#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 13884

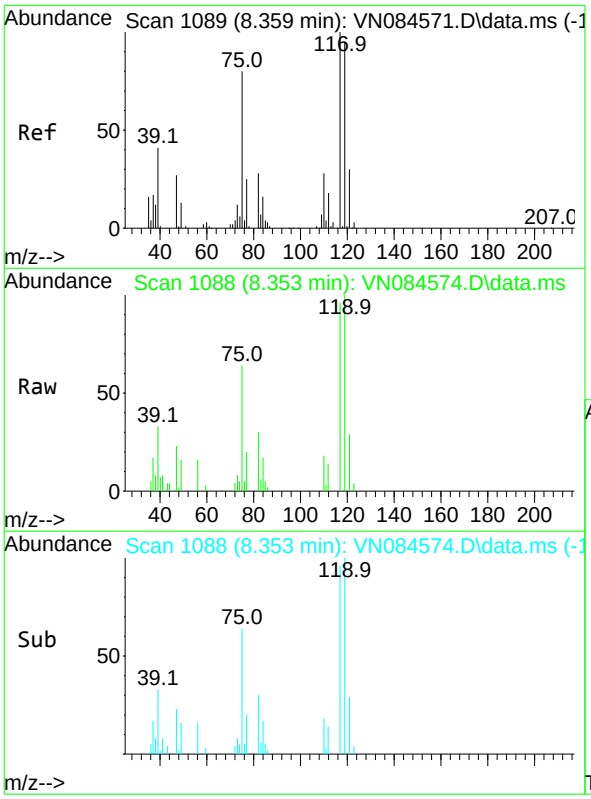
Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.7	16.1#
70	9.5	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

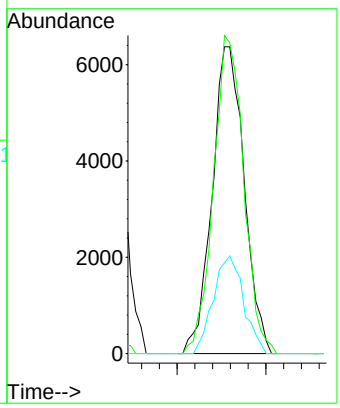
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

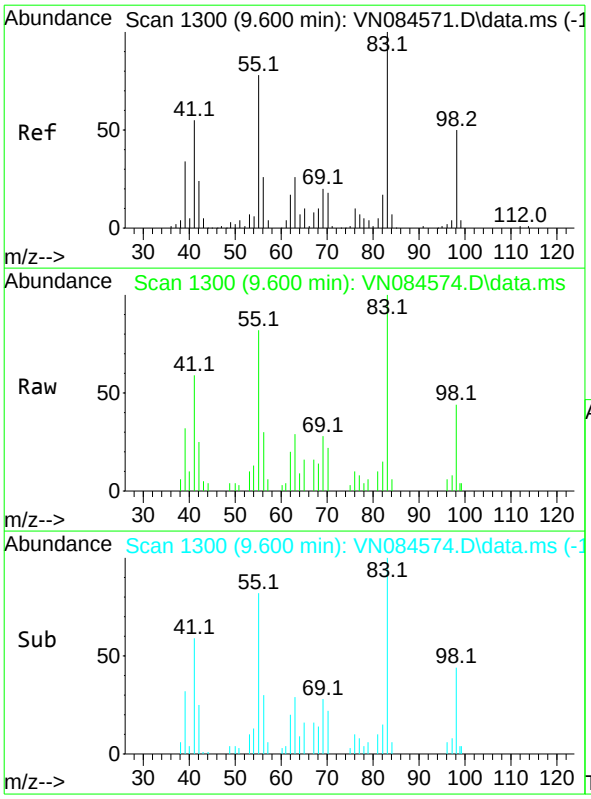


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

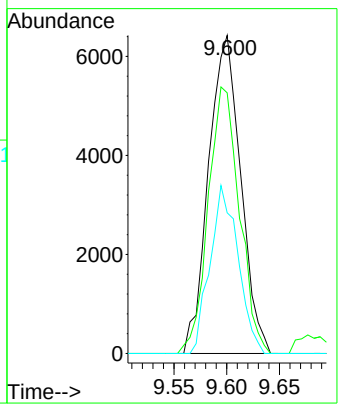




#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 13624

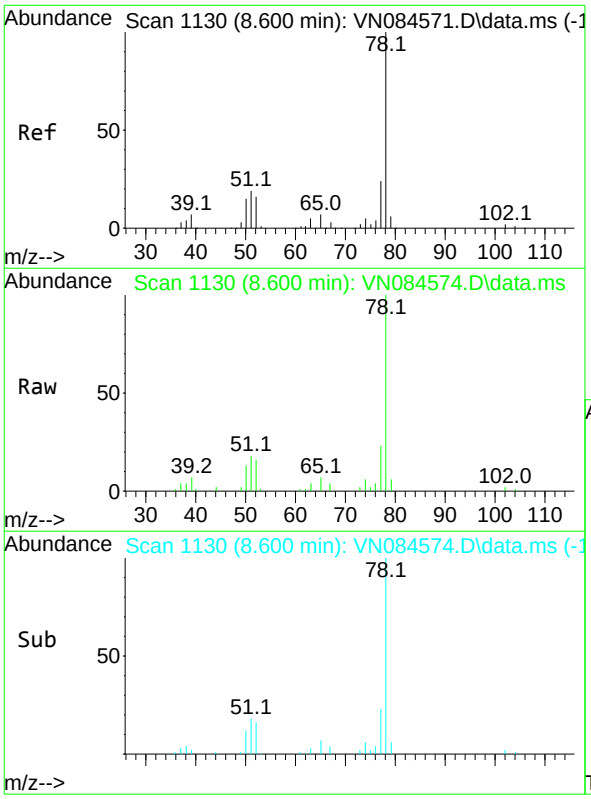
Ion	Ratio	Lower	Upper
83	100		
55	81.9	62.8	94.2
98	44.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

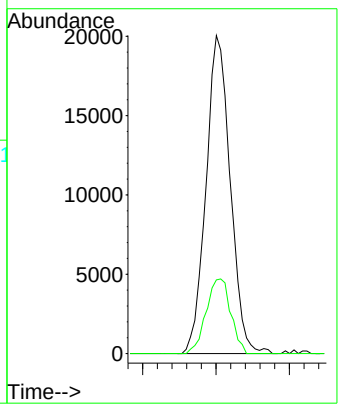
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

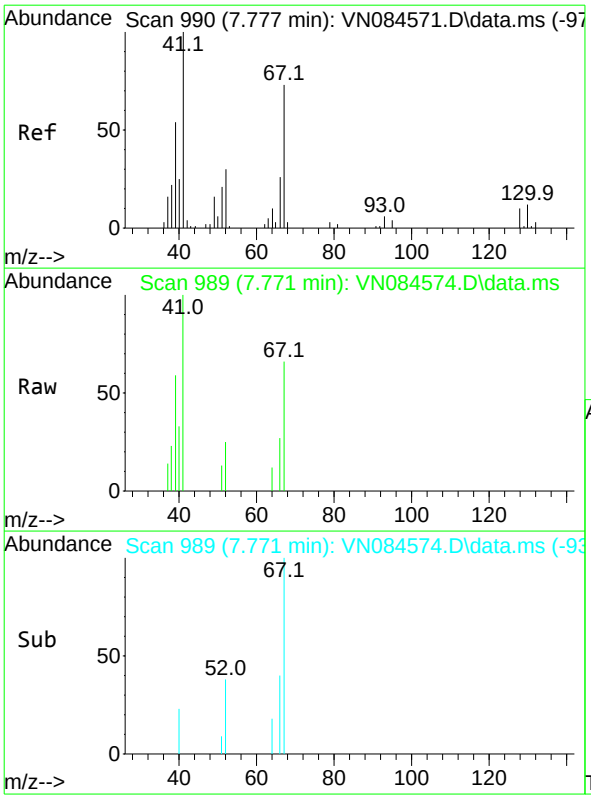


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

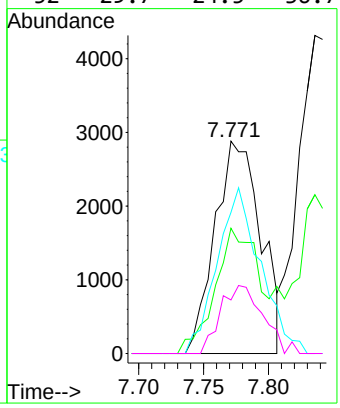




#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 41 Resp: 7091

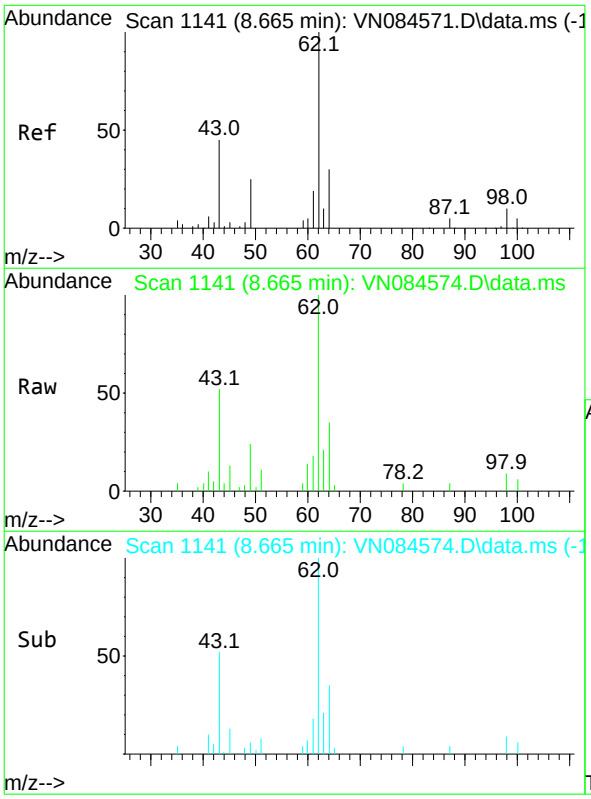
Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.3	64.9
67	73.5	56.1	84.1
52	29.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

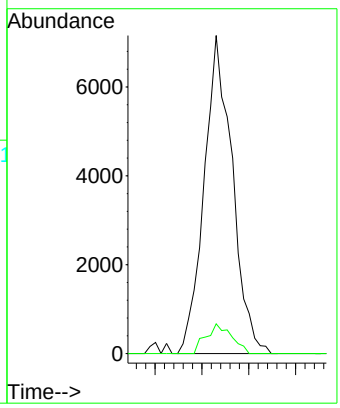
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

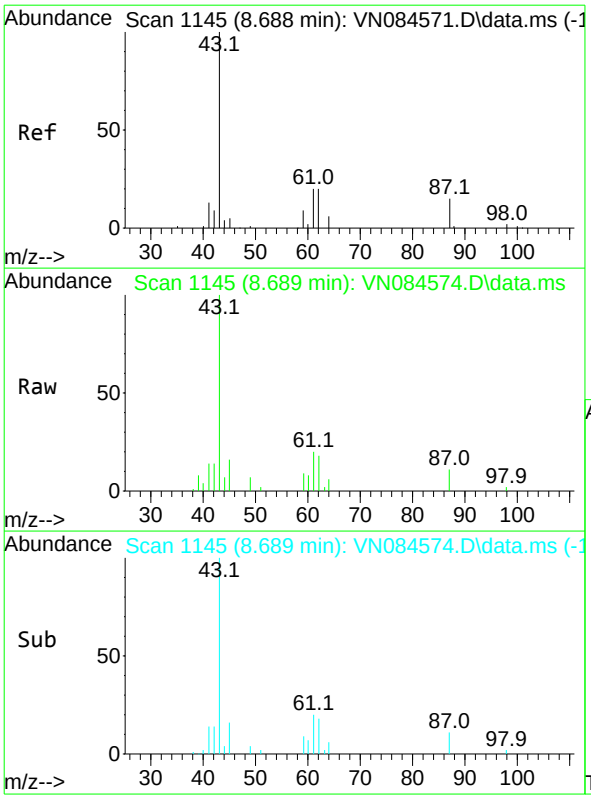


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

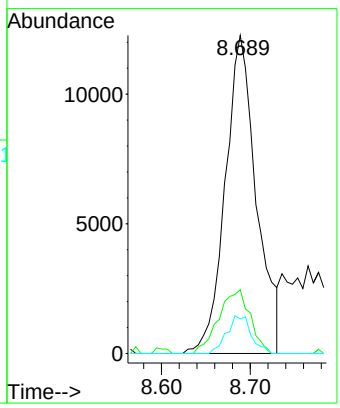
Tgt Ion: 43 Resp: 30044

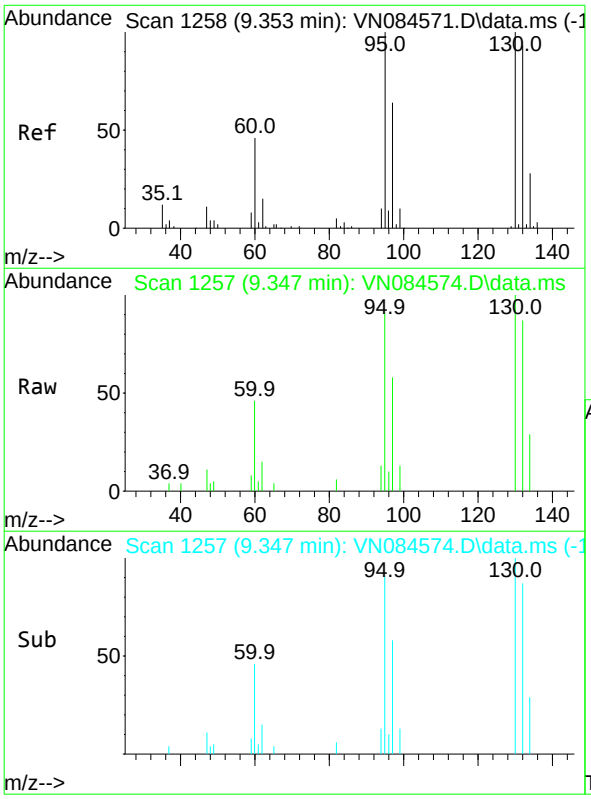
Ion	Ratio	Lower	Upper
43	100		
61	20.1	20.4	30.6#
87	9.3	10.3	15.5#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

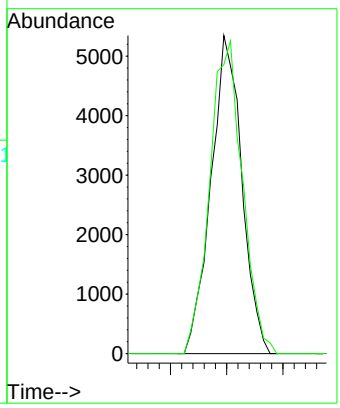


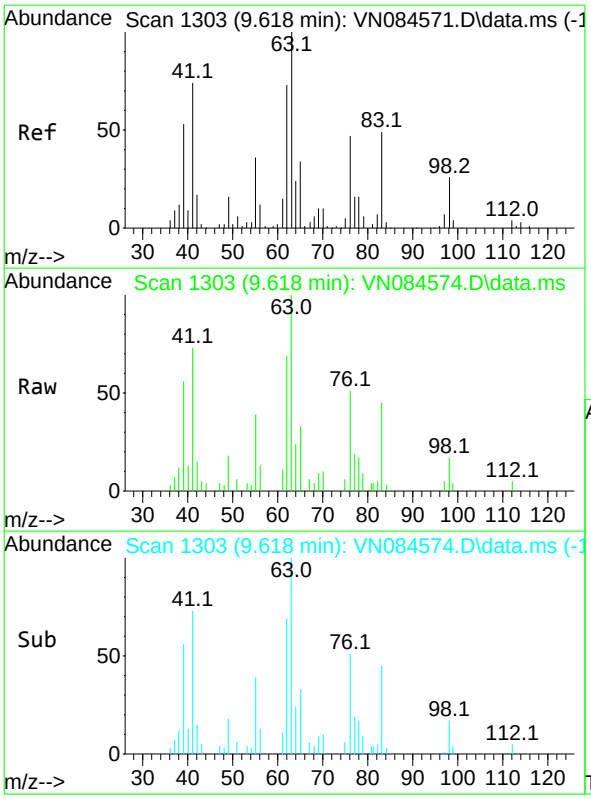


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0

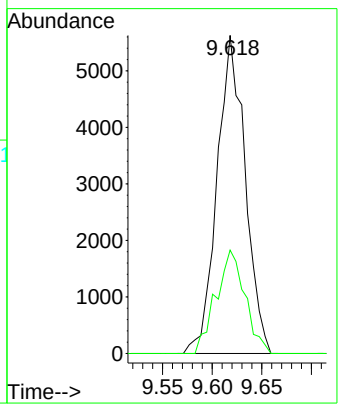




#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 11095

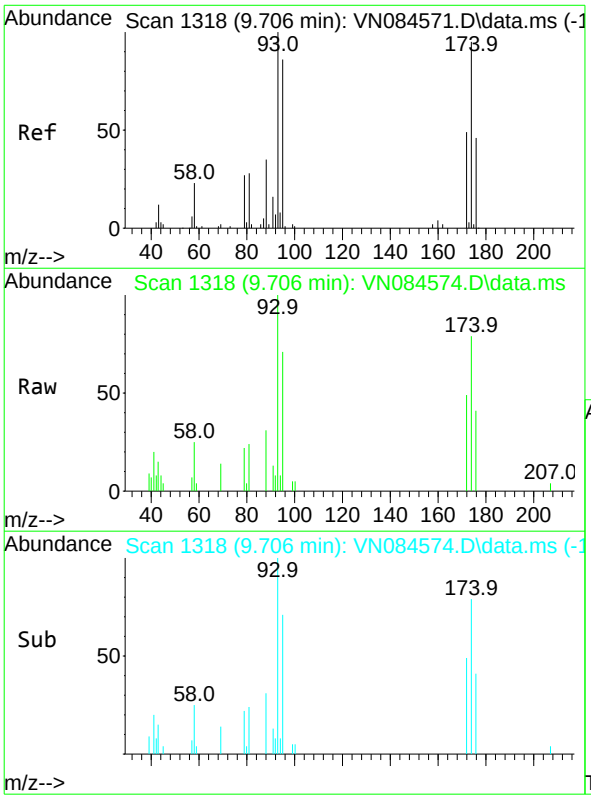
Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

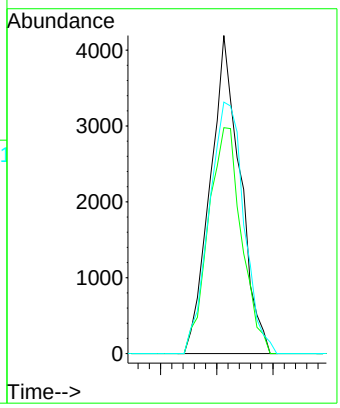
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

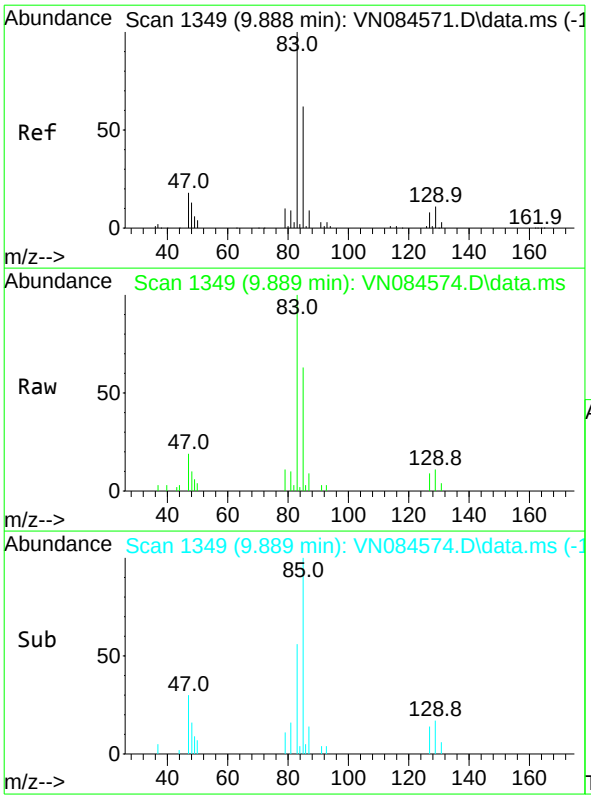


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

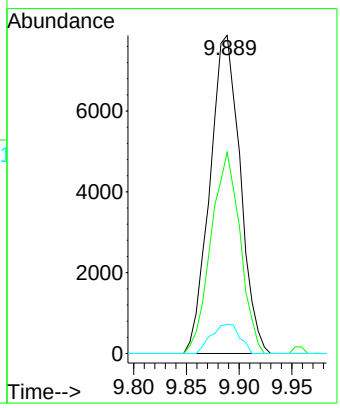




#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15749

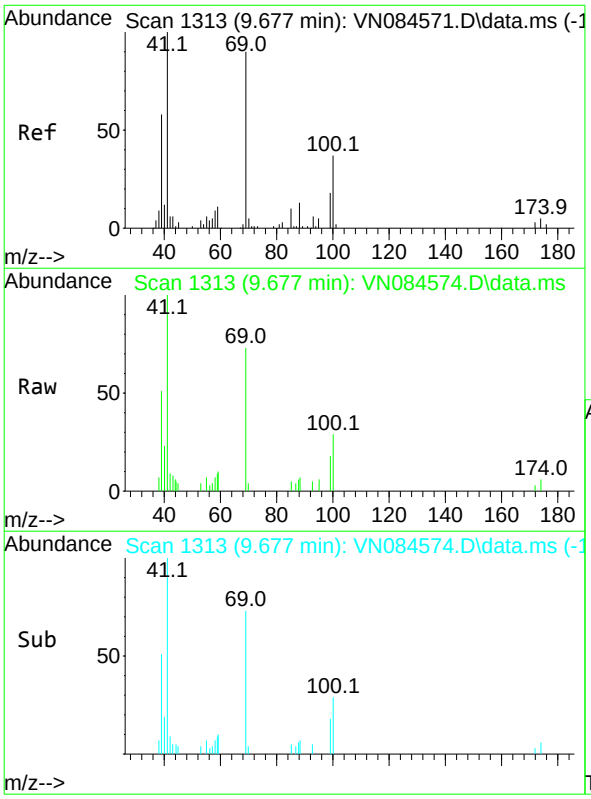
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	9.2	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

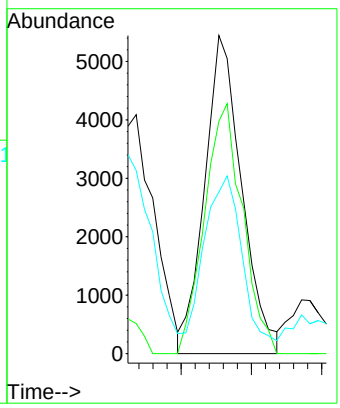
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

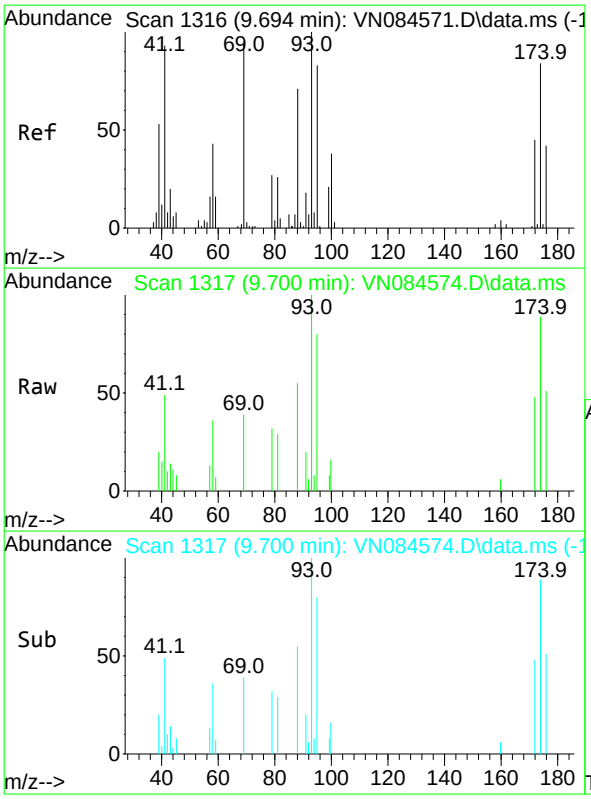


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

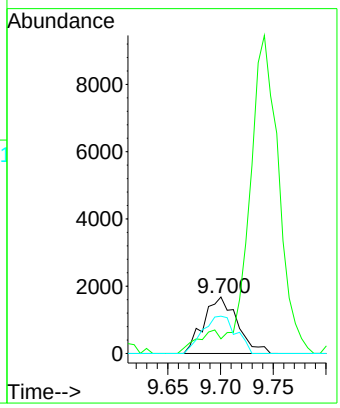




#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 88 Resp: 3729

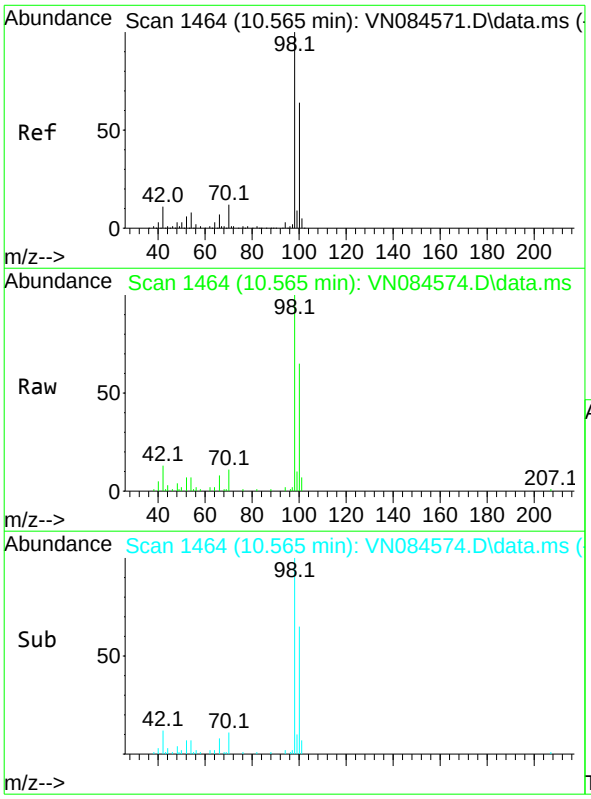
Ion	Ratio	Lower	Upper
88	100		
43	29.3	25.3	37.9
58	65.6	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

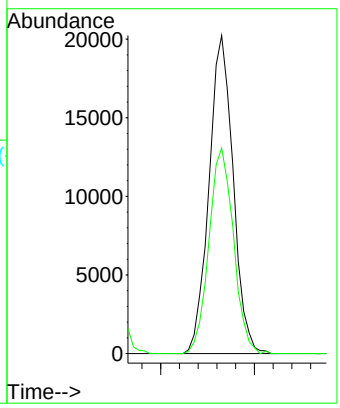
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

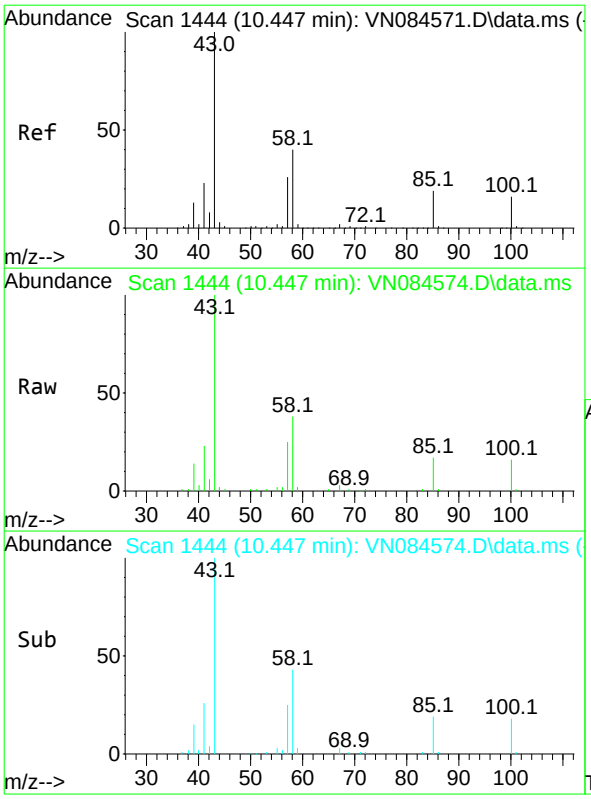


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

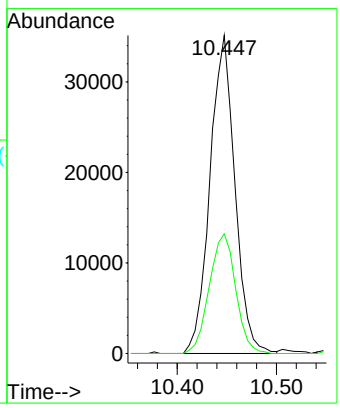




#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 61332

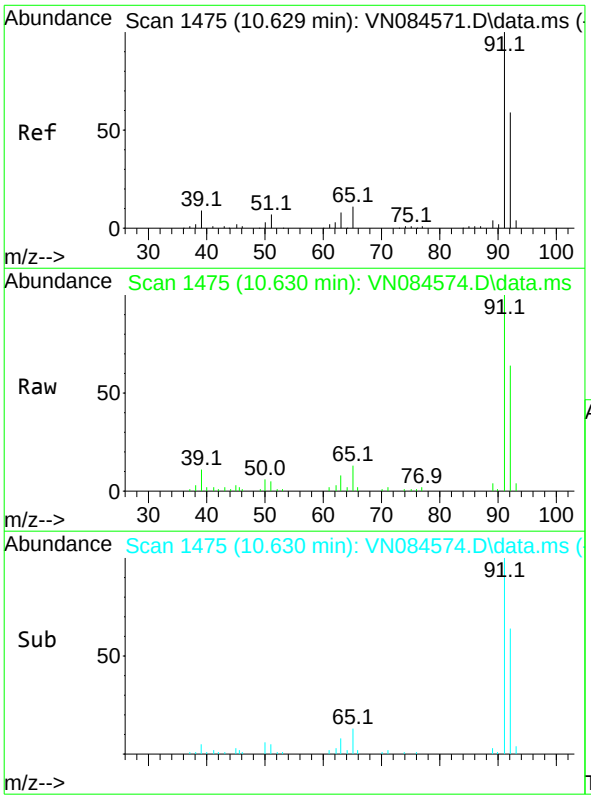
Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

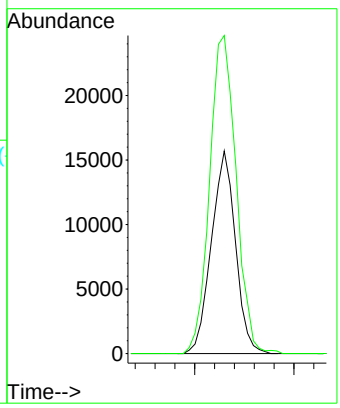
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

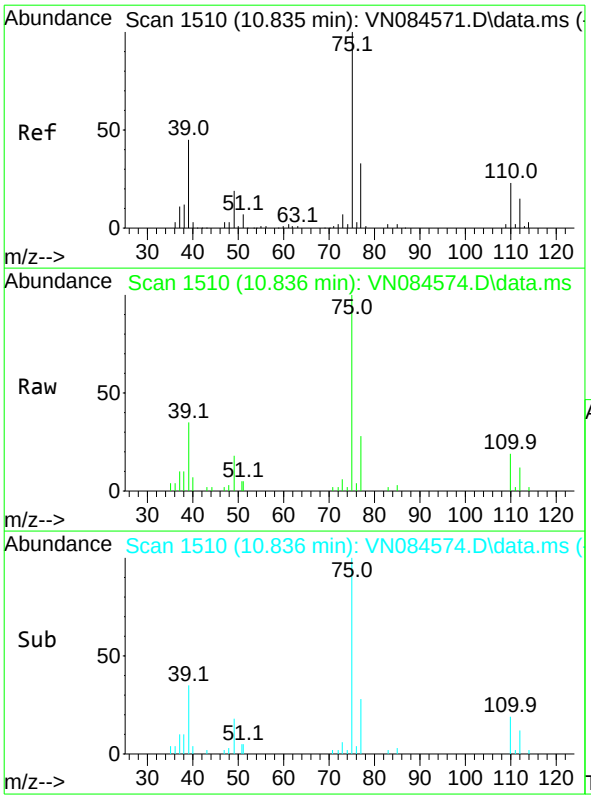


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9

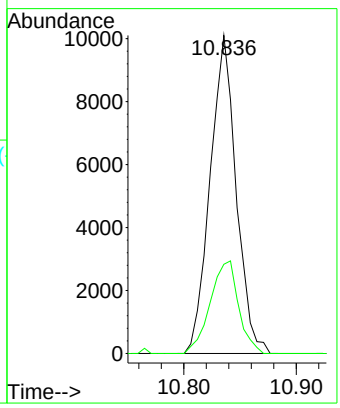




#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 16279

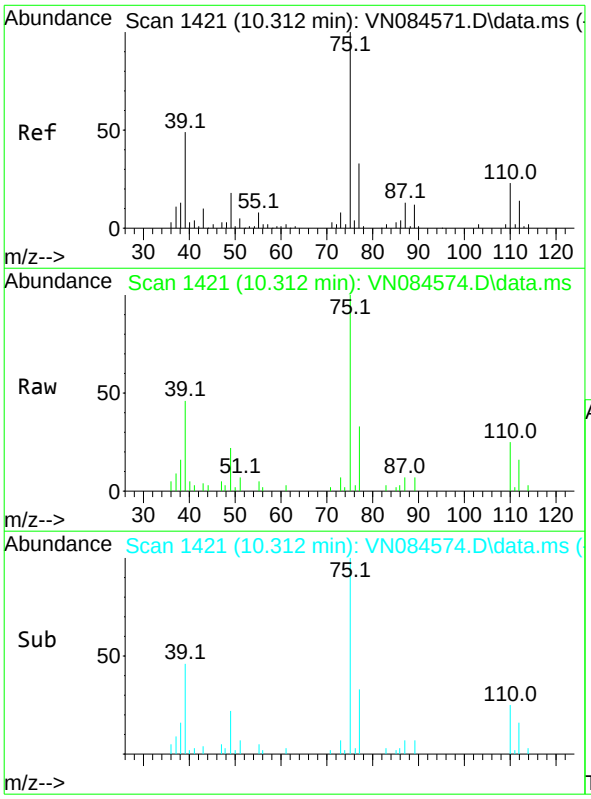
Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

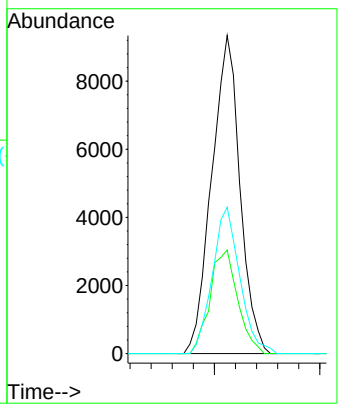
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

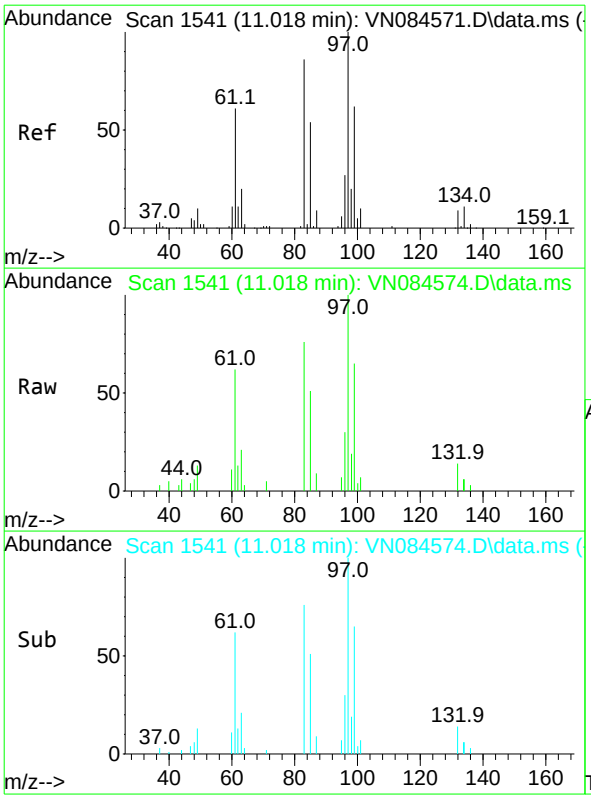


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

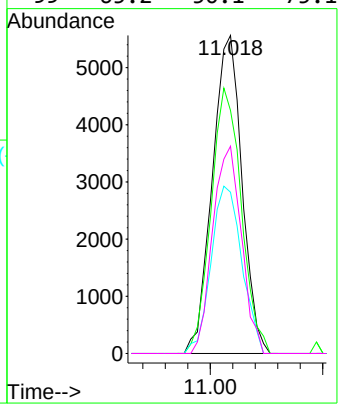




#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 97 Resp: 10193

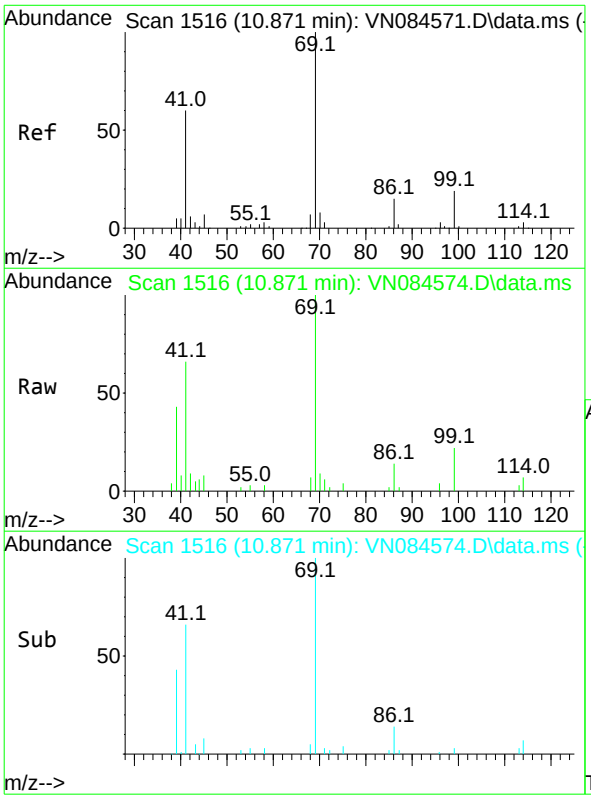
Ion	Ratio	Lower	Upper
97	100		
83	76.4	71.0	106.4
85	50.7	41.7	62.5
99	65.2	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

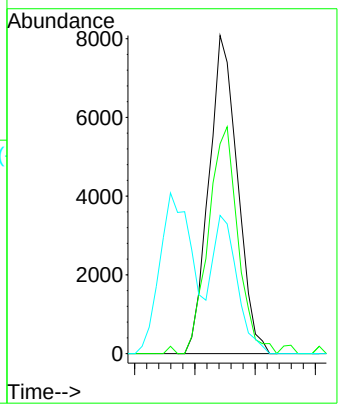
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

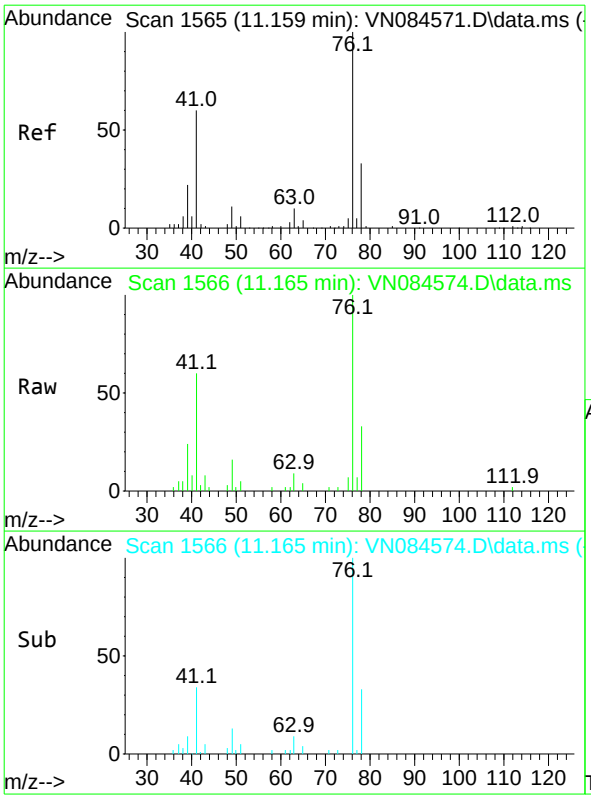


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

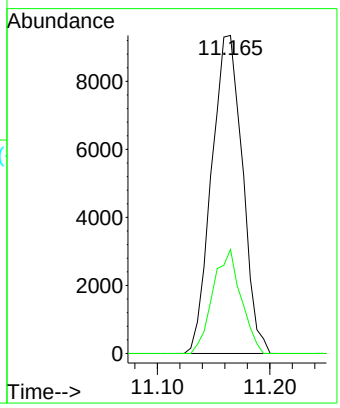




#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 76 Resp: 17816

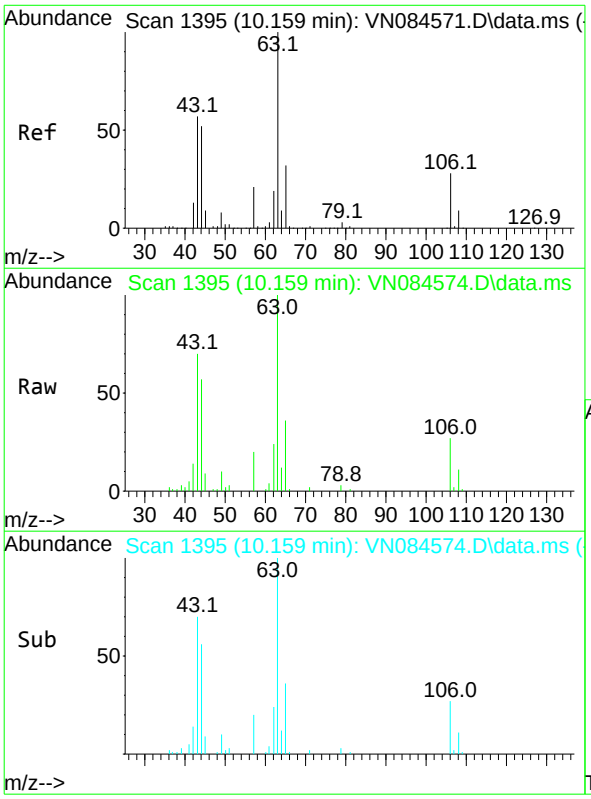
Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

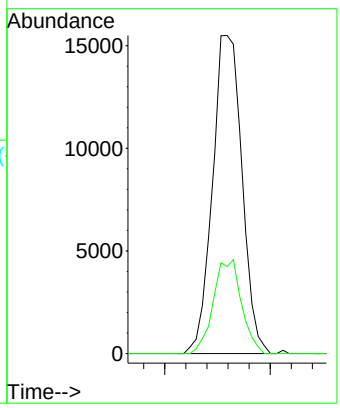
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

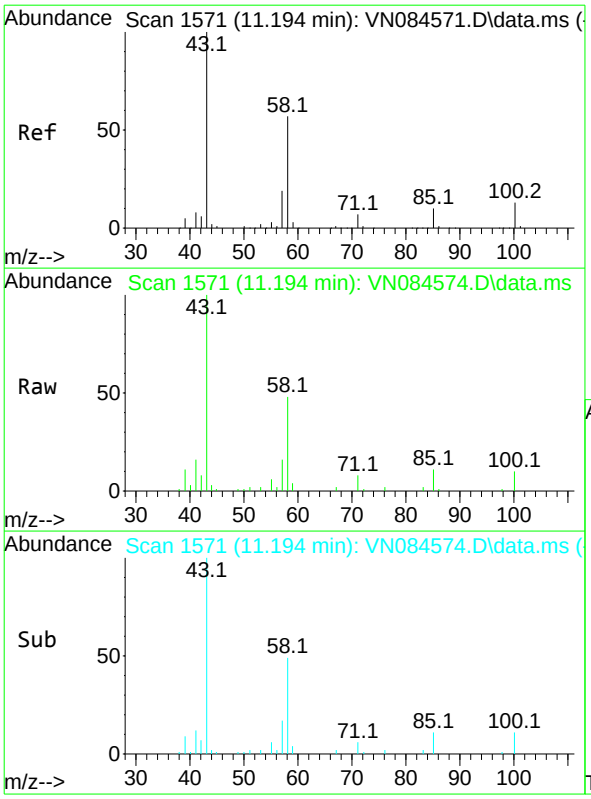


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6

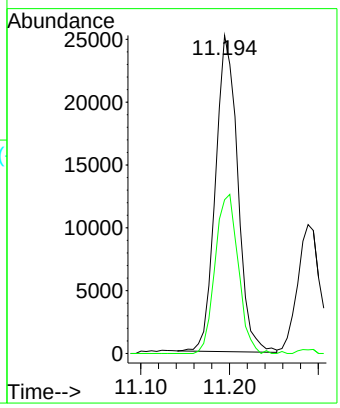




#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 43750

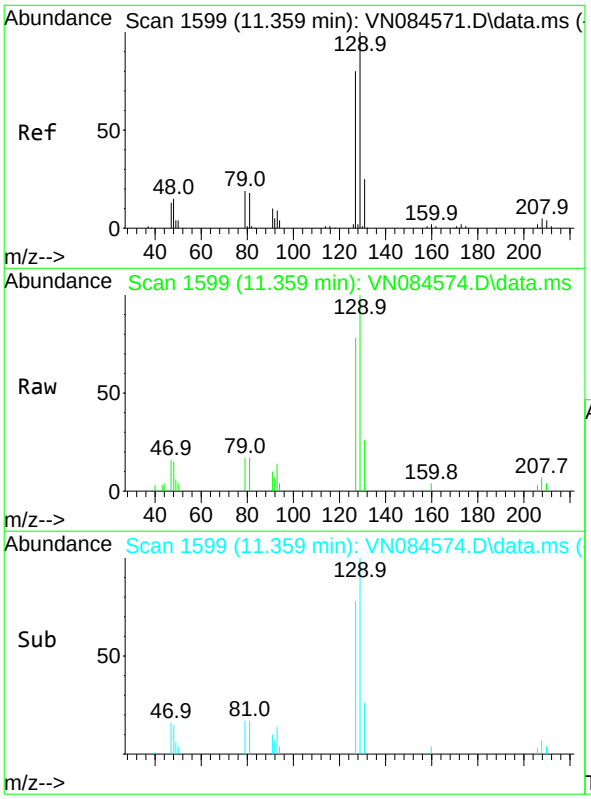
Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

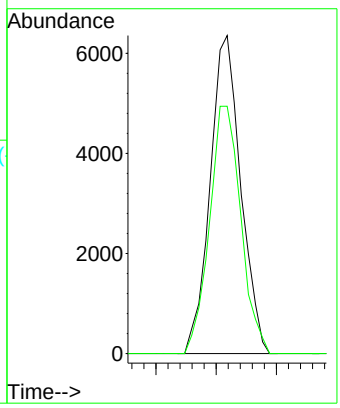
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

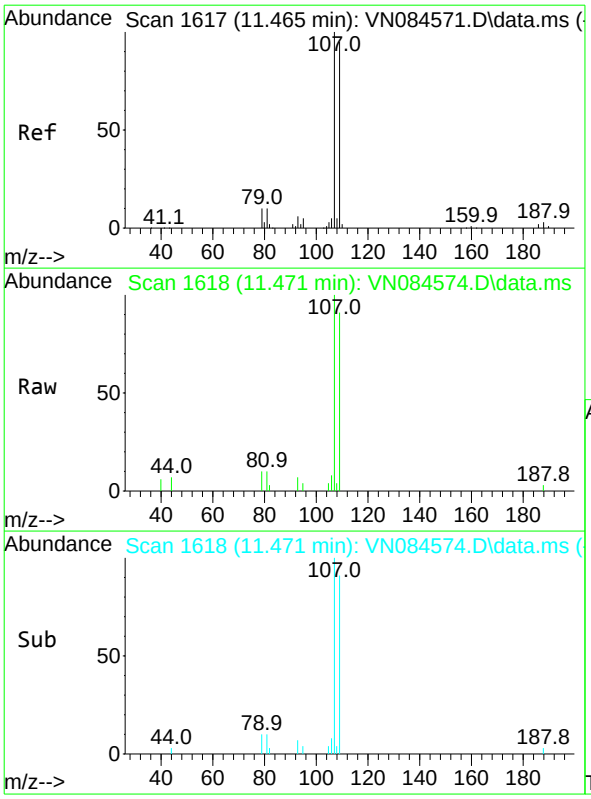


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9

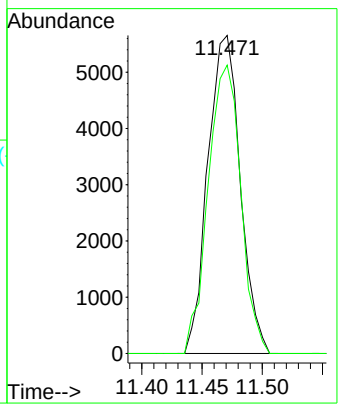




#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:107 Resp: 10584

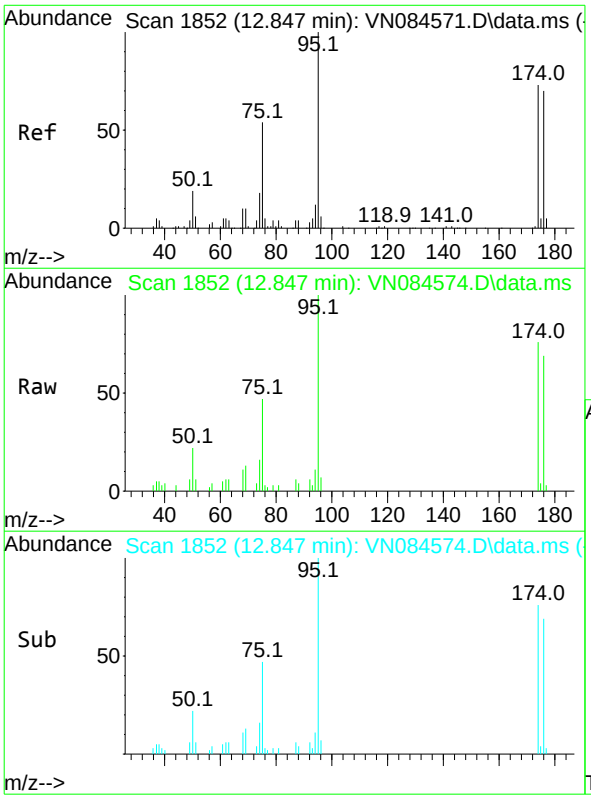
Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

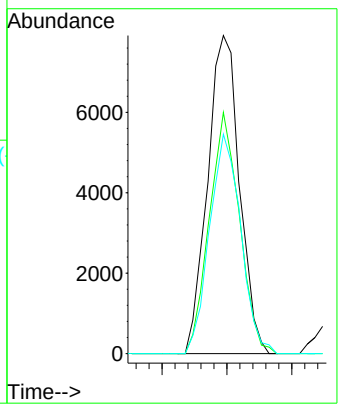
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

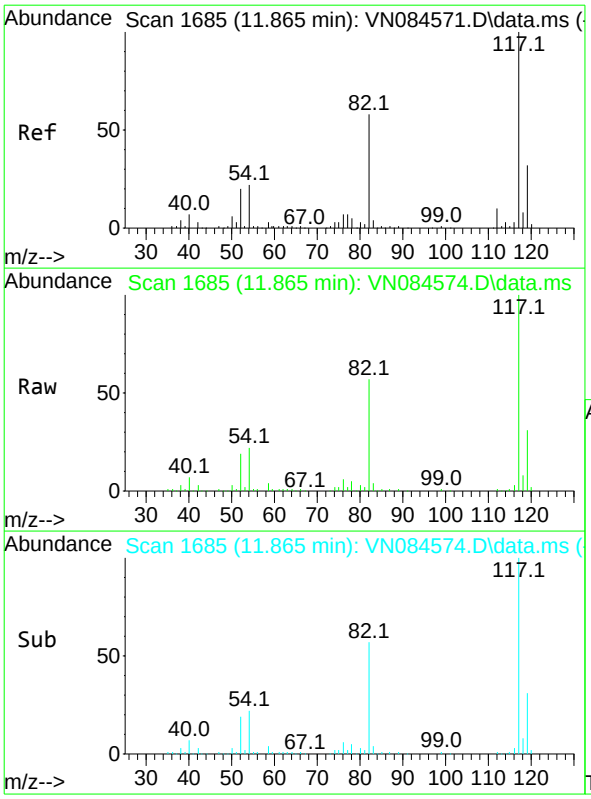


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

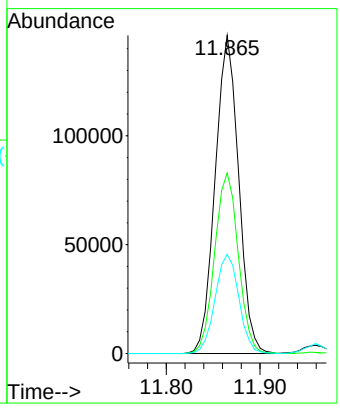




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 254342

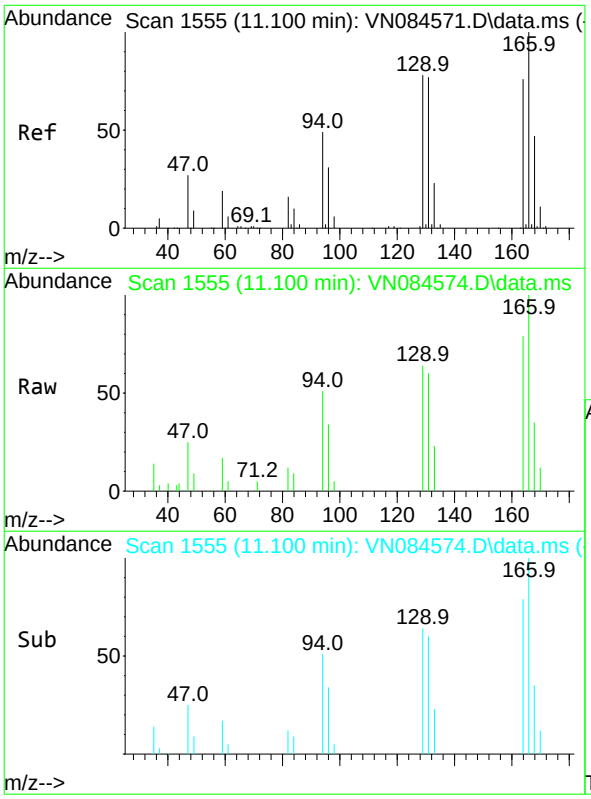
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

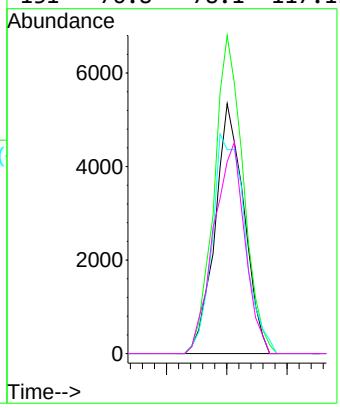
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

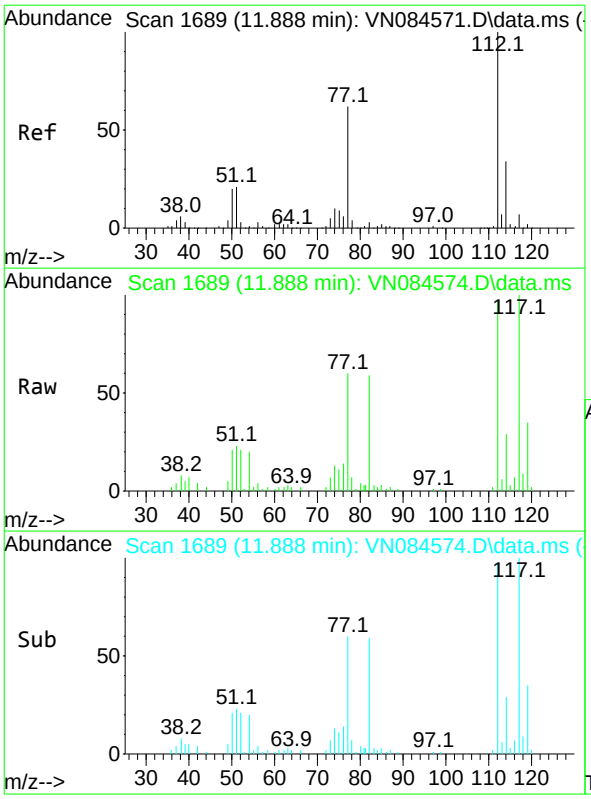


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#

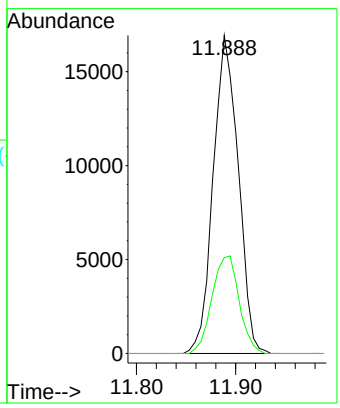




#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:112 Resp: 29618

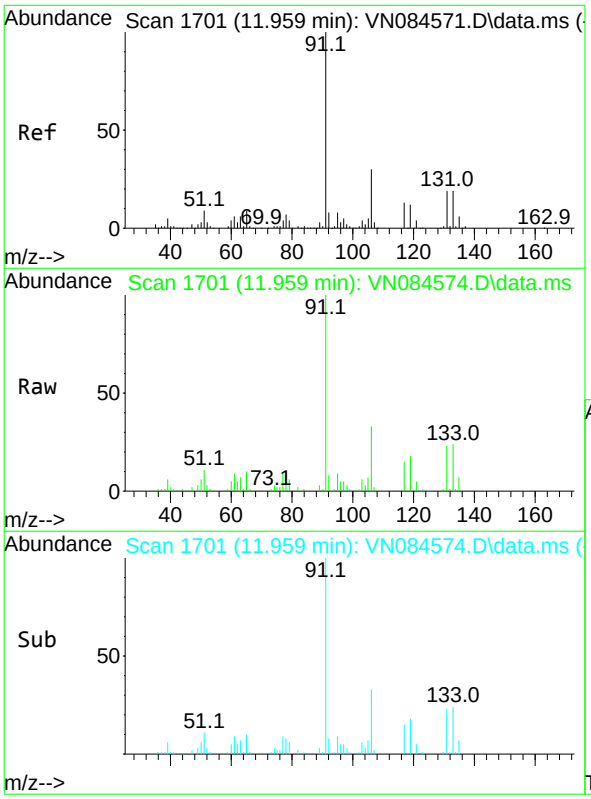
Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

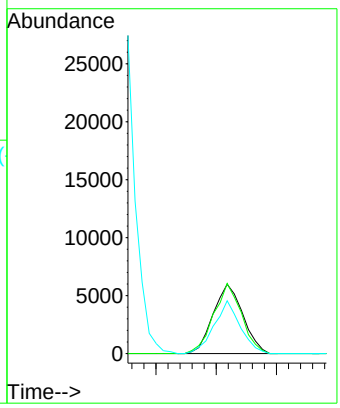
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

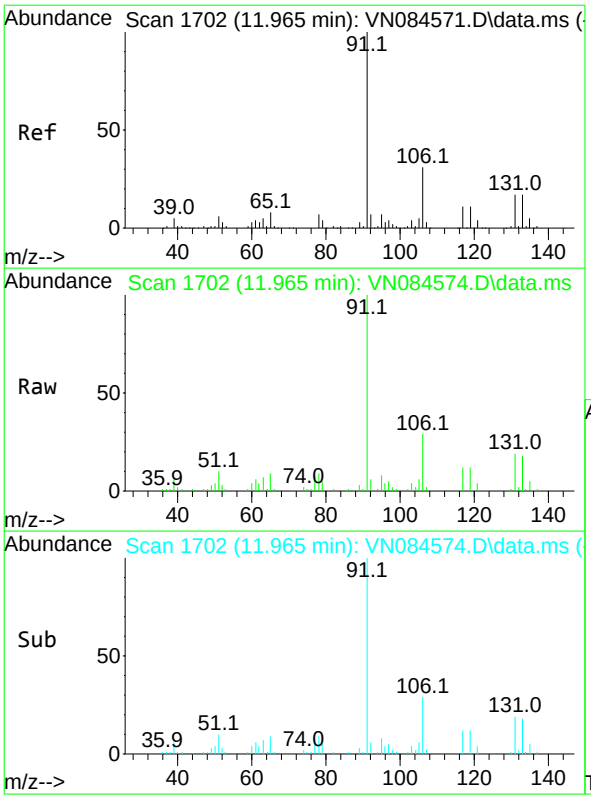


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

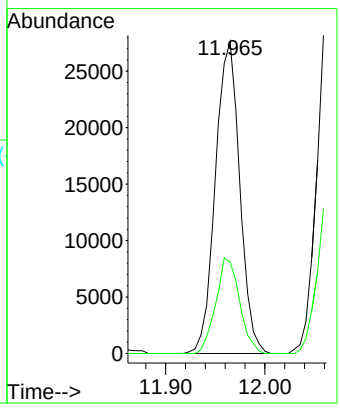




#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47037

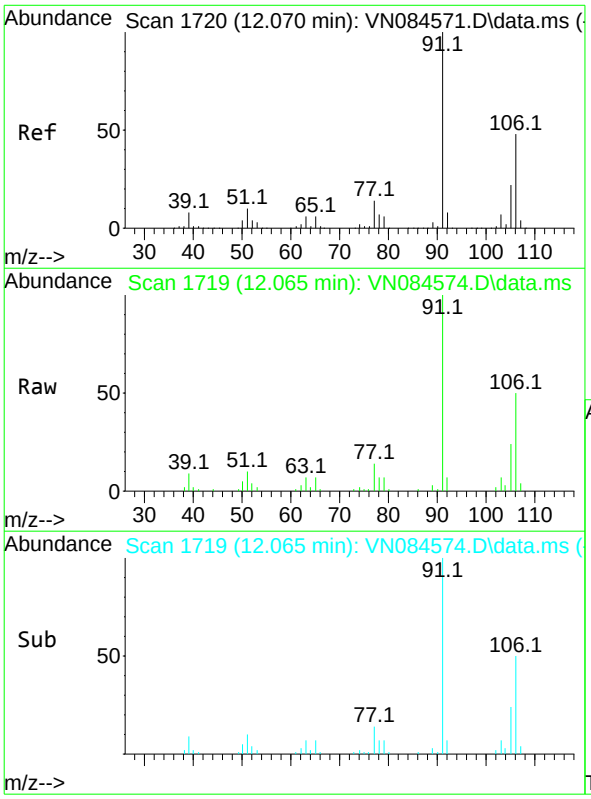
Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

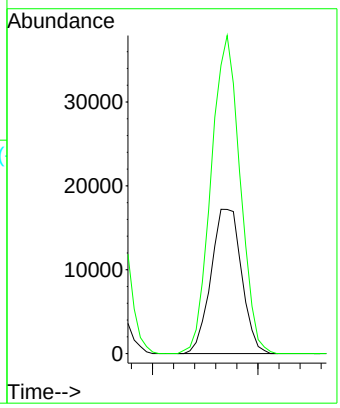
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

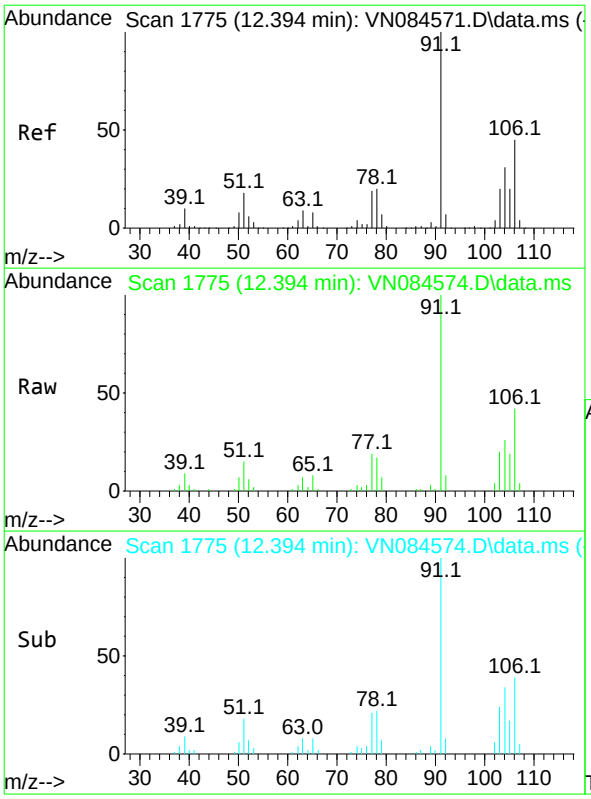


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7

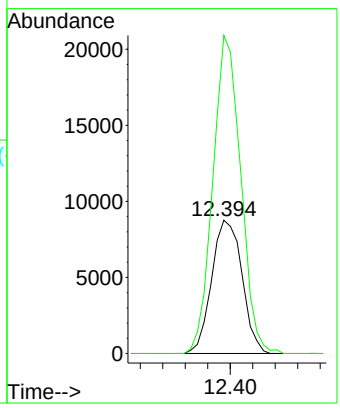




#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 16393

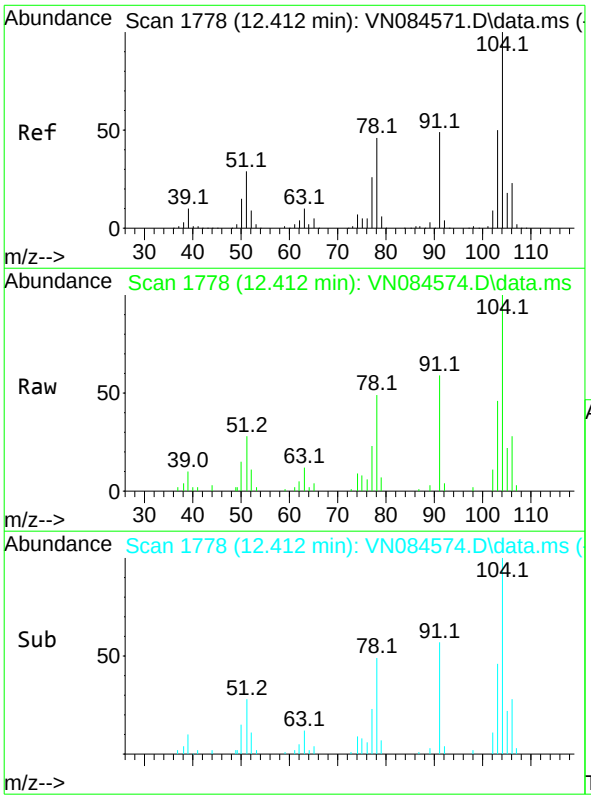
Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

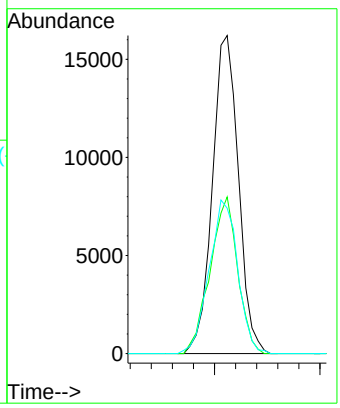
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

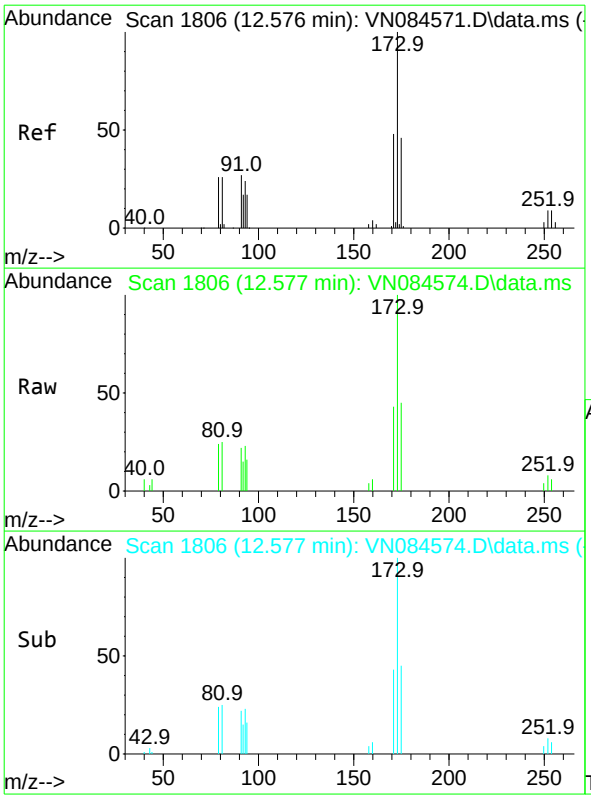


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

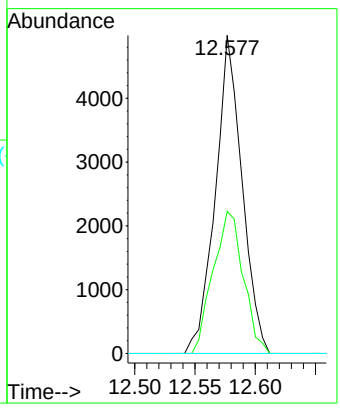




#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:173 Resp: 7686

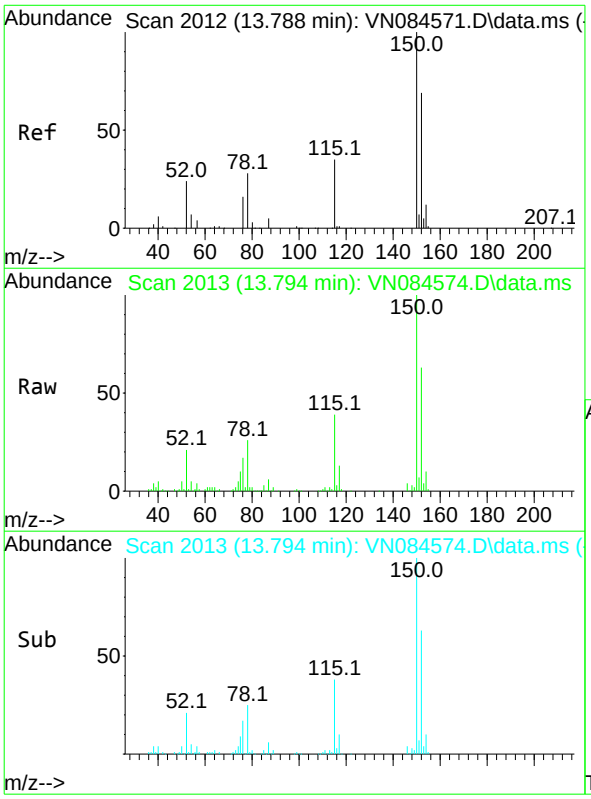
Ion	Ratio	Lower	Upper
173	100		
175	50.5	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

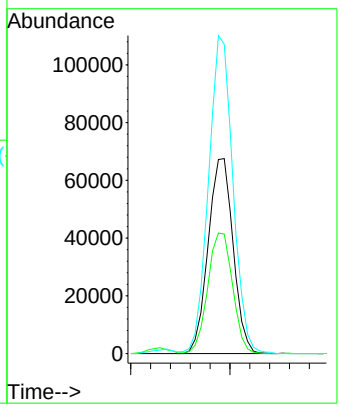
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

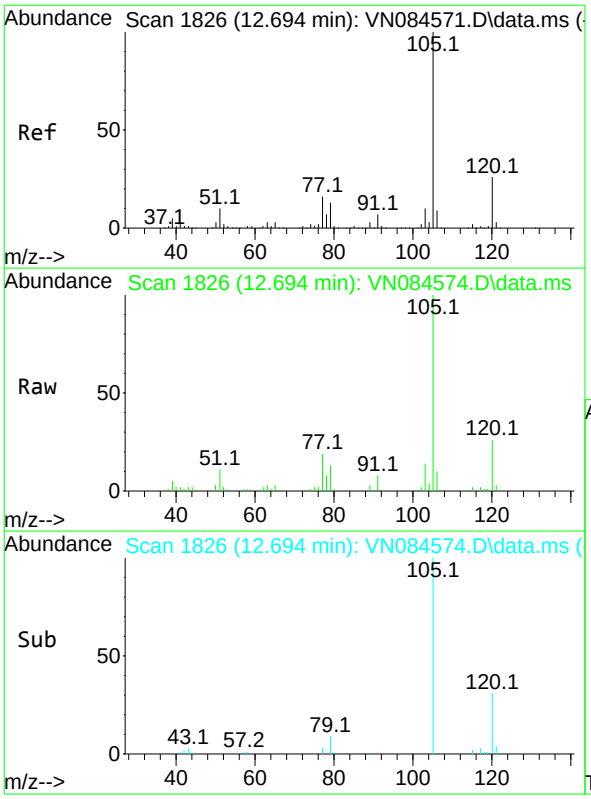


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

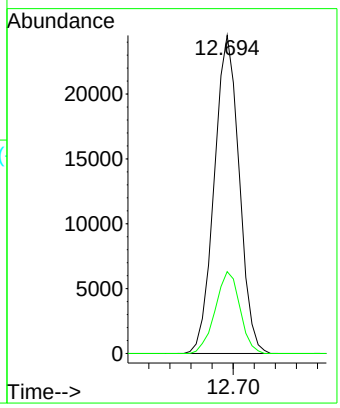




#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 40223

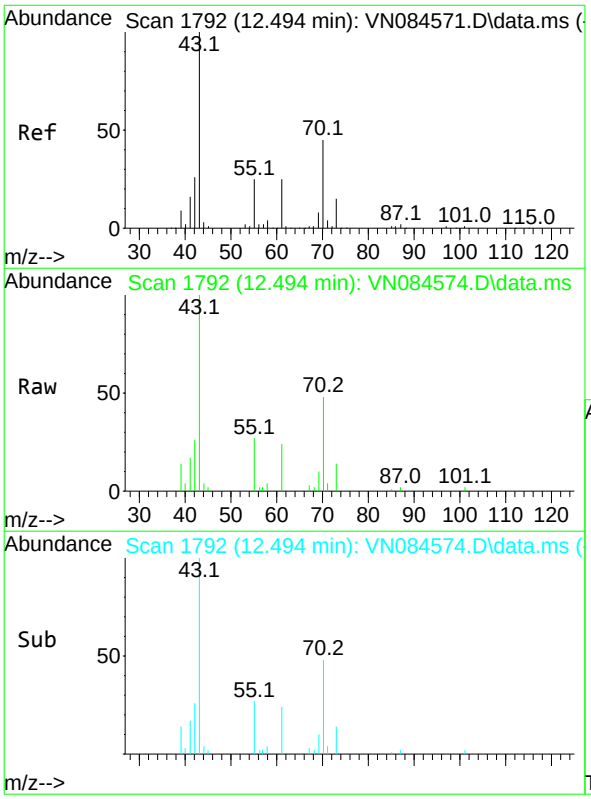
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

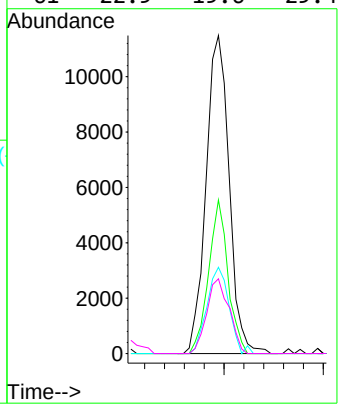
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

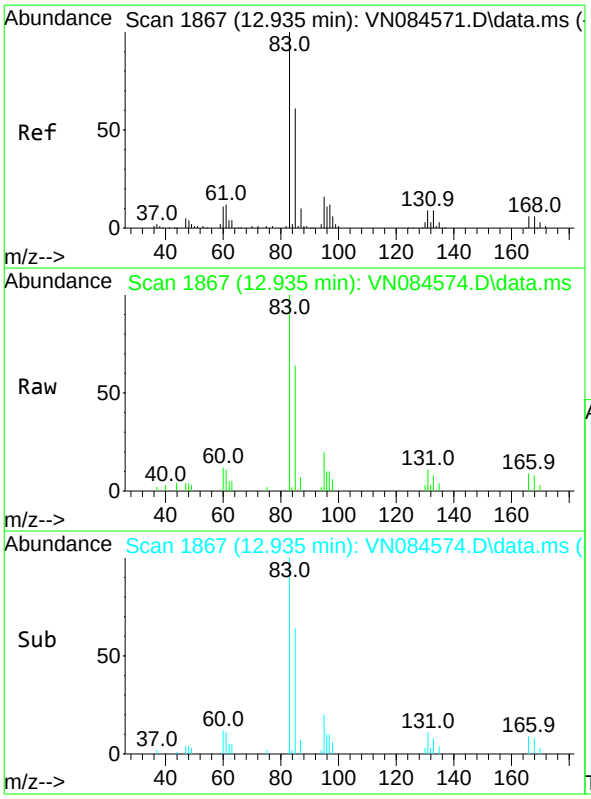


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

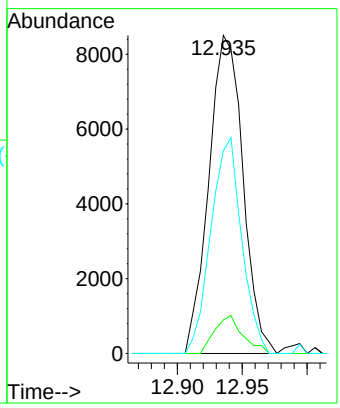




#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 15573

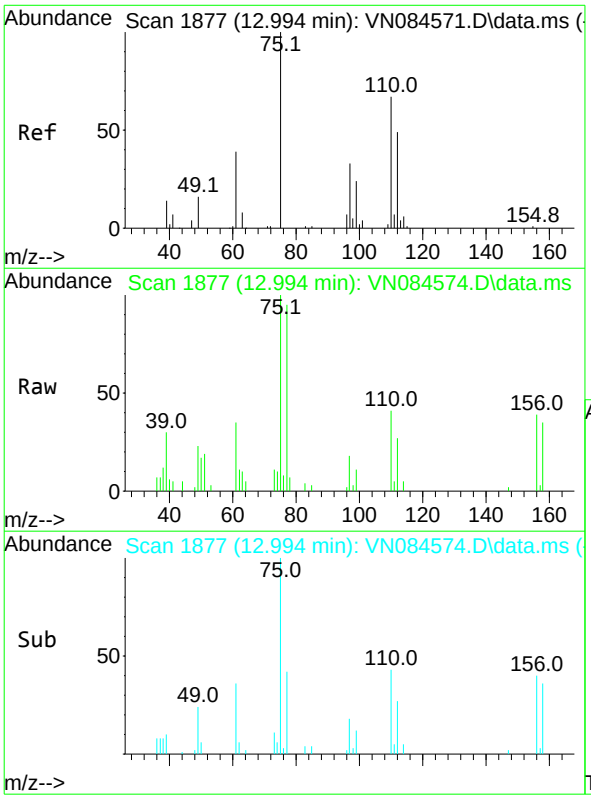
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	61.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

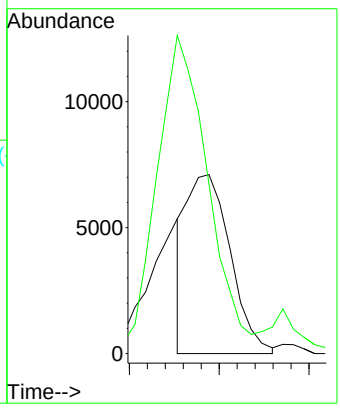
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

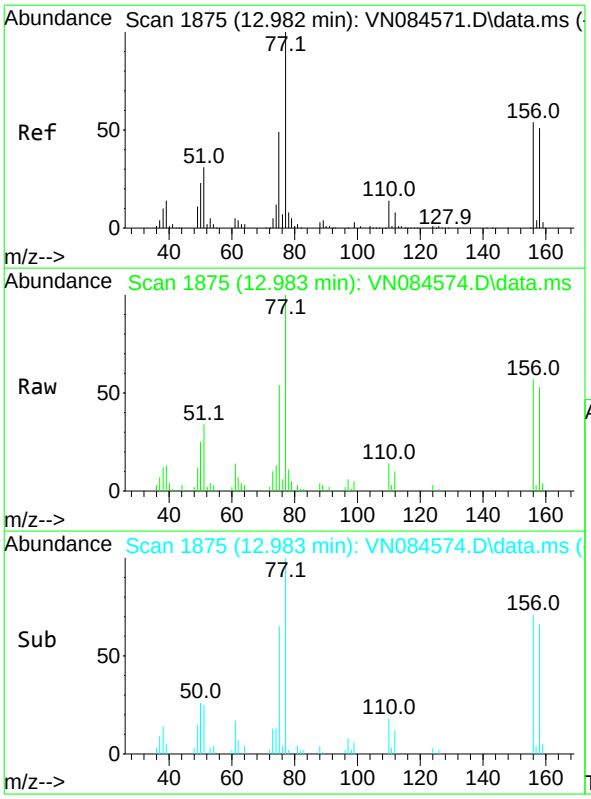


#76
1,2,3-Trichloropropane
Concen: 5.136 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 11982

Ion	Ratio	Lower	Upper
75	100		
77	208.5	96.9	290.7

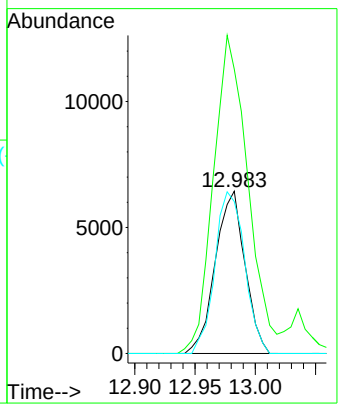




#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:156 Resp: 11012

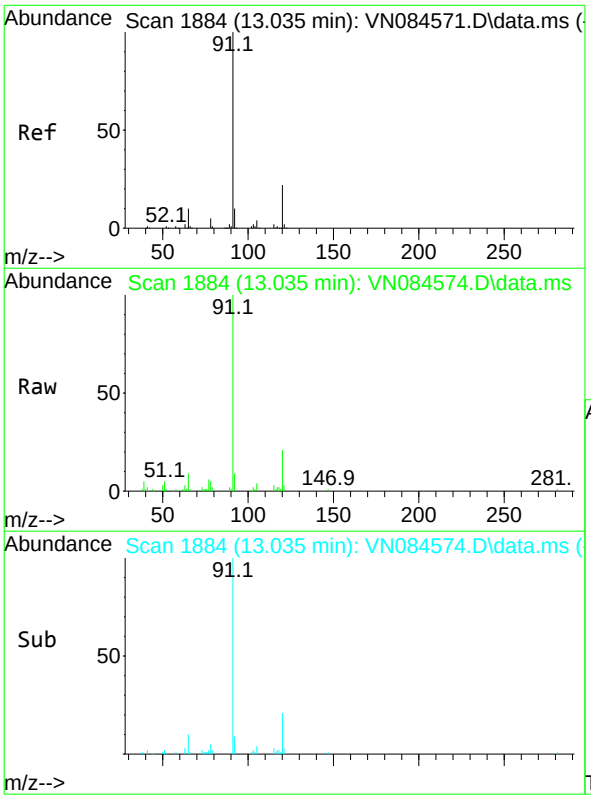
Ion	Ratio	Lower	Upper
156	100		
77	226.9	115.1	345.3
158	100.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

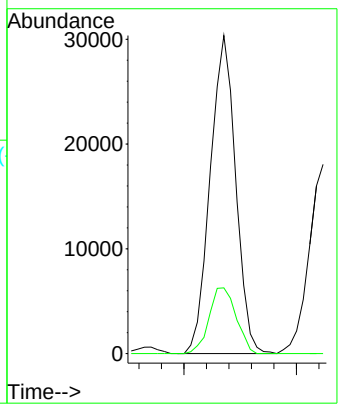
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

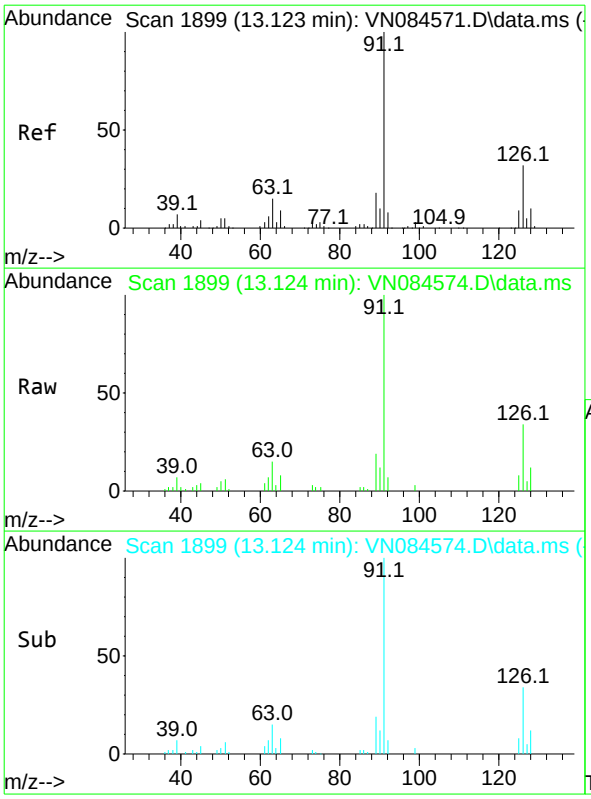


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4

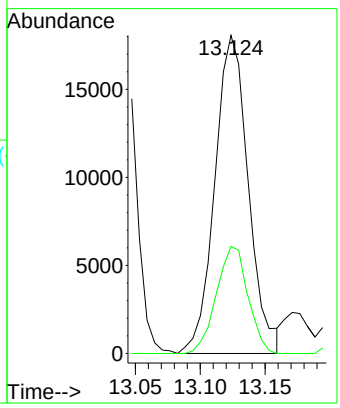




#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 32460

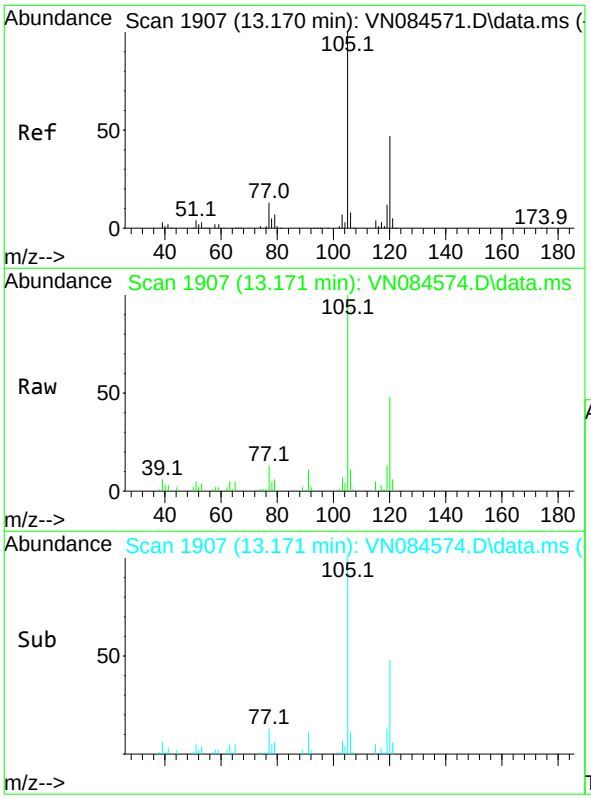
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

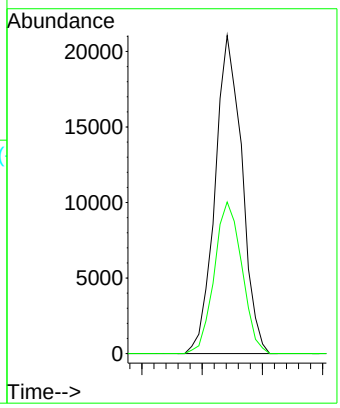
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

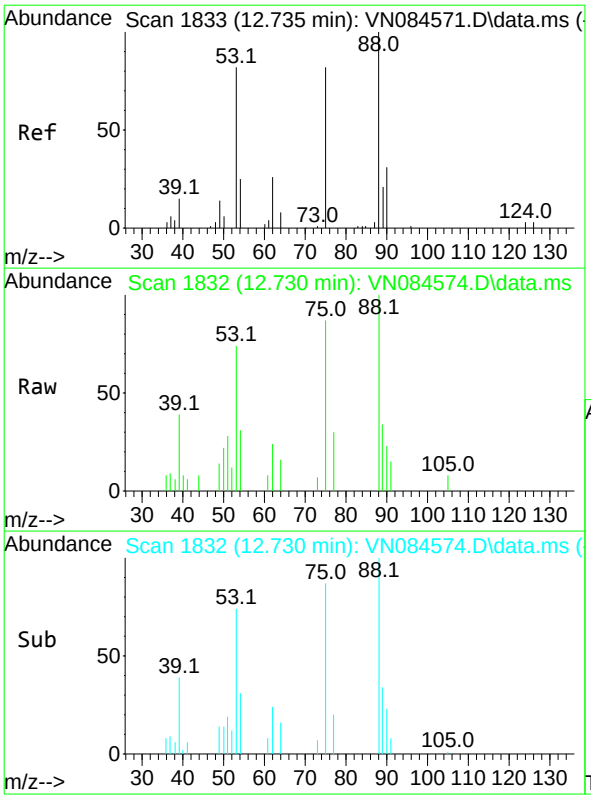


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1

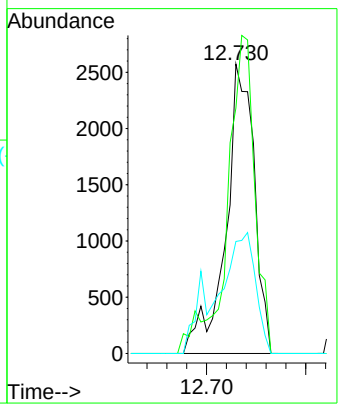




#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 5096

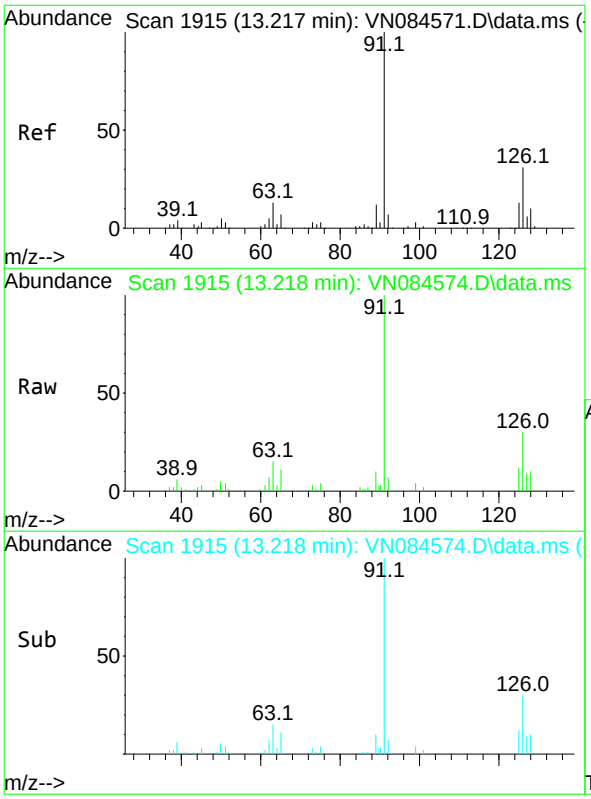
Ion	Ratio	Lower	Upper
75	100		
53	106.8	78.0	117.0
89	43.5	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

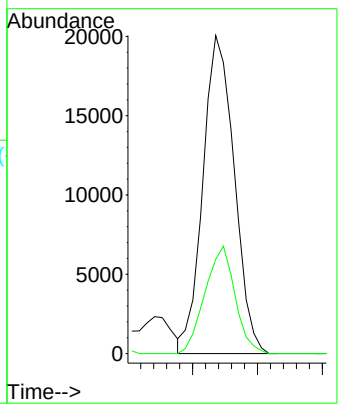
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

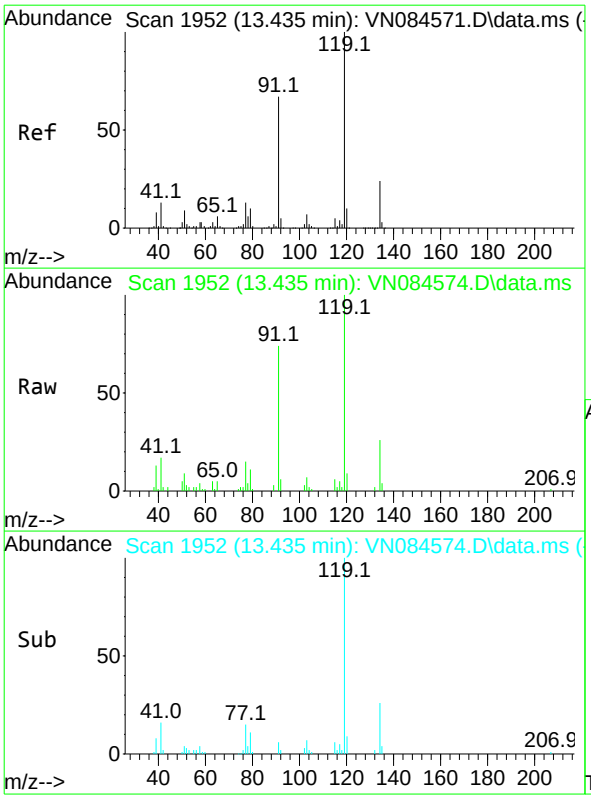


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1

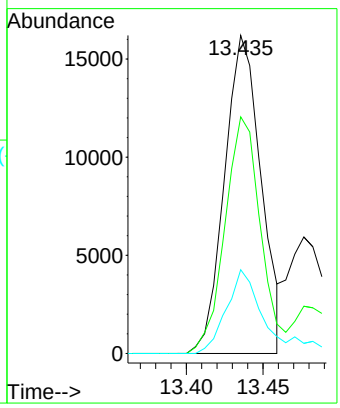




#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:119 Resp: 26850

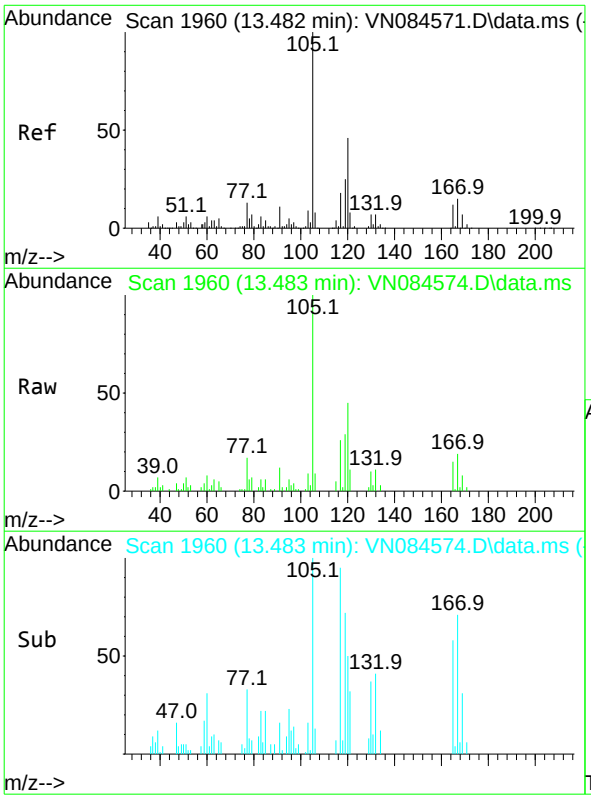
Ion	Ratio	Lower	Upper
119	100		
91	72.6	34.1	102.3
134	27.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

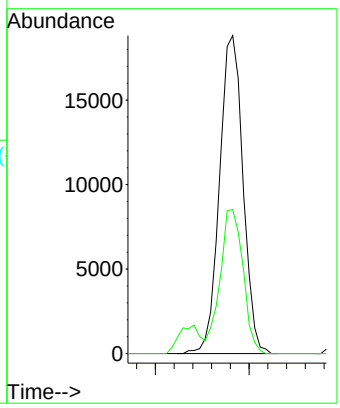
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

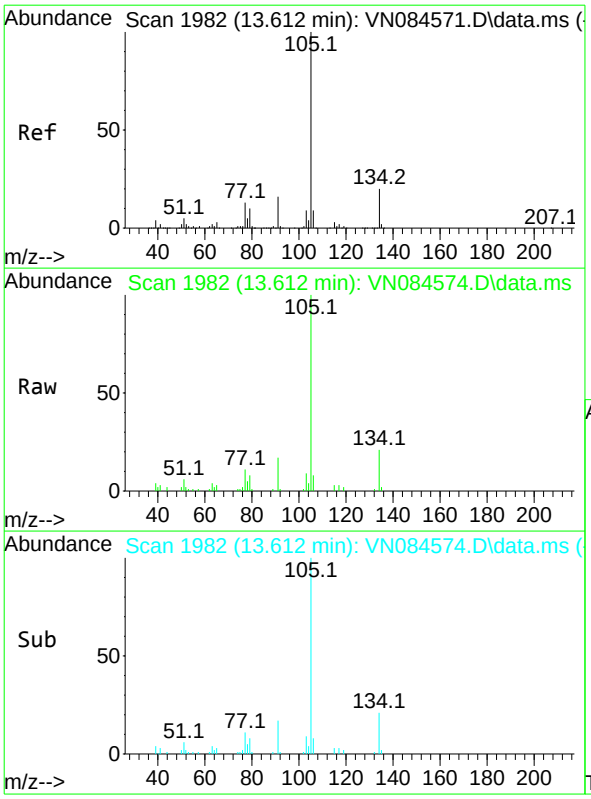


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8

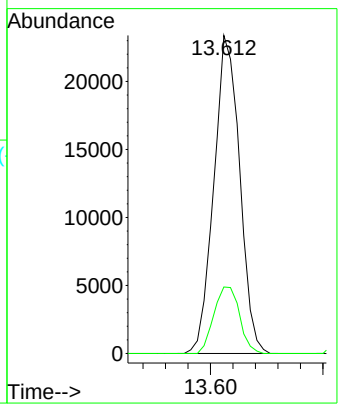




#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 37187

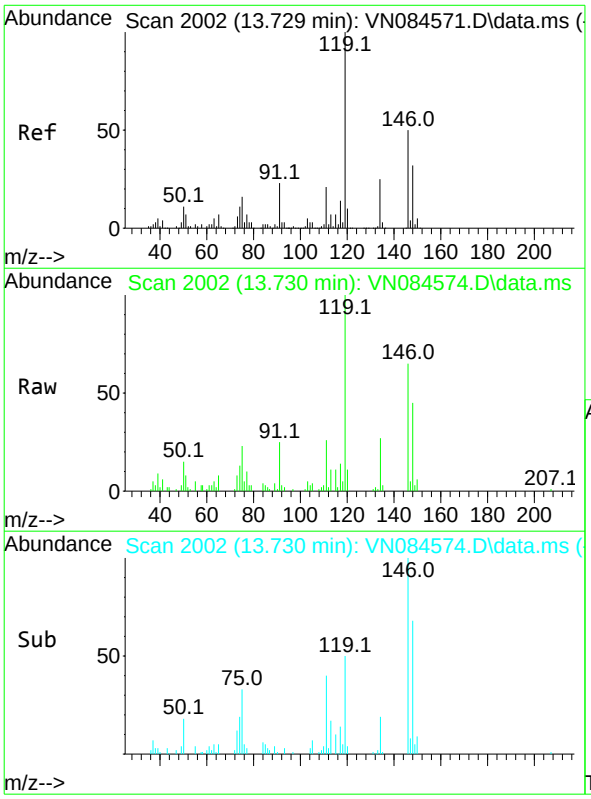
Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

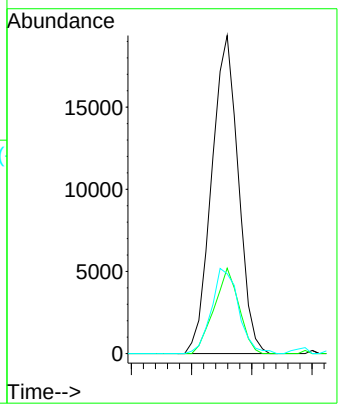
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

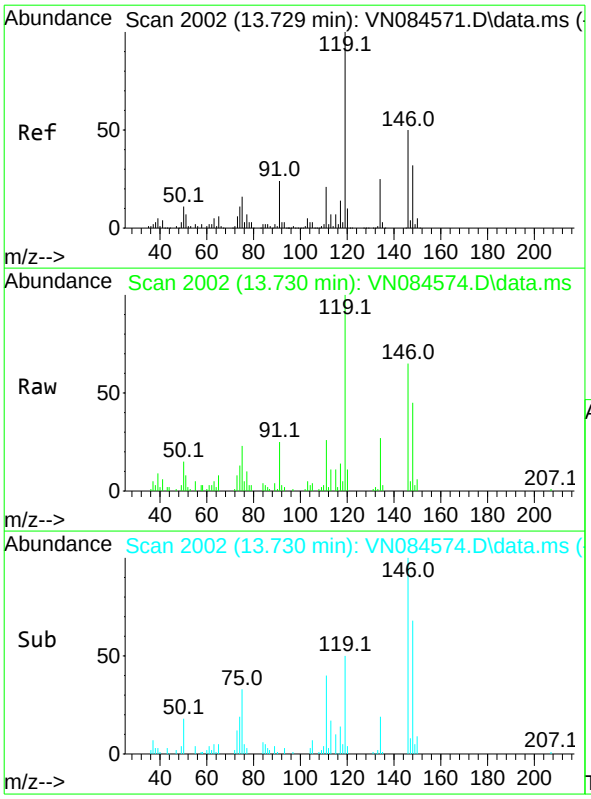


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

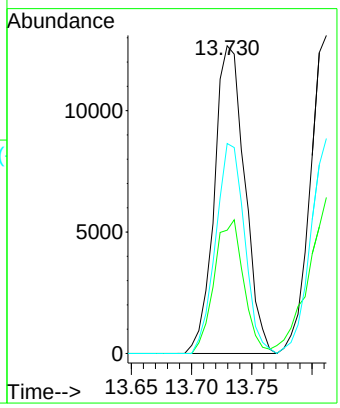




#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22272

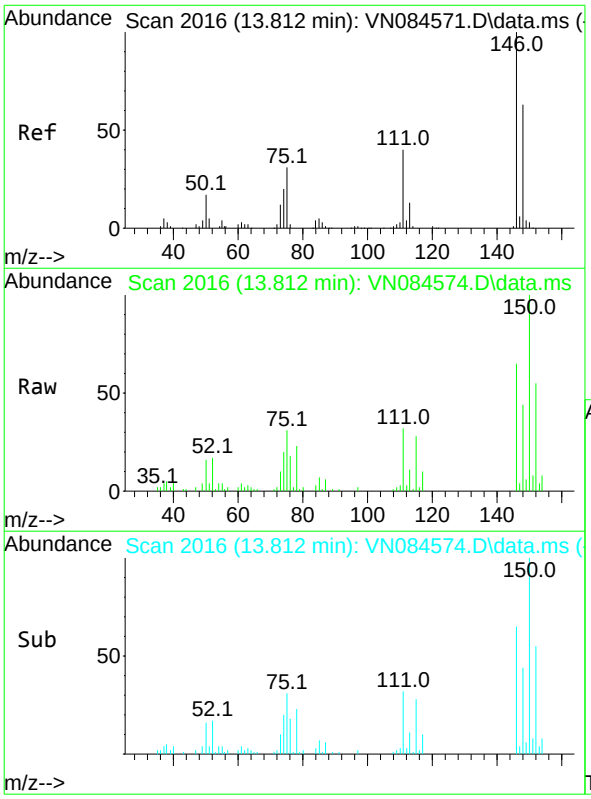
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.3
148	64.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

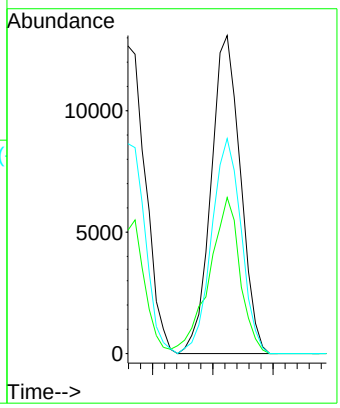
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

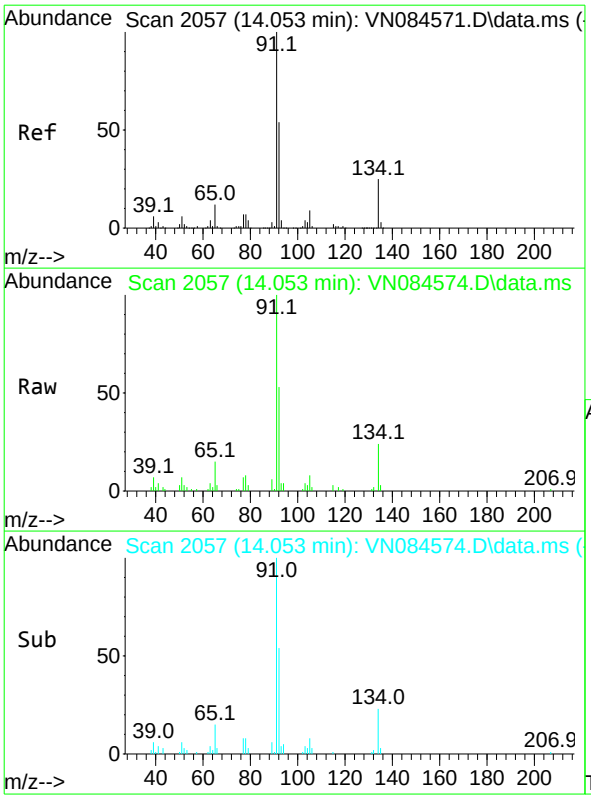


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

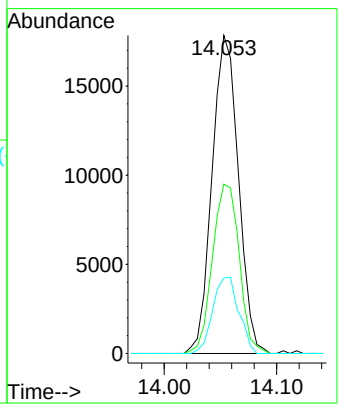




#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 29010

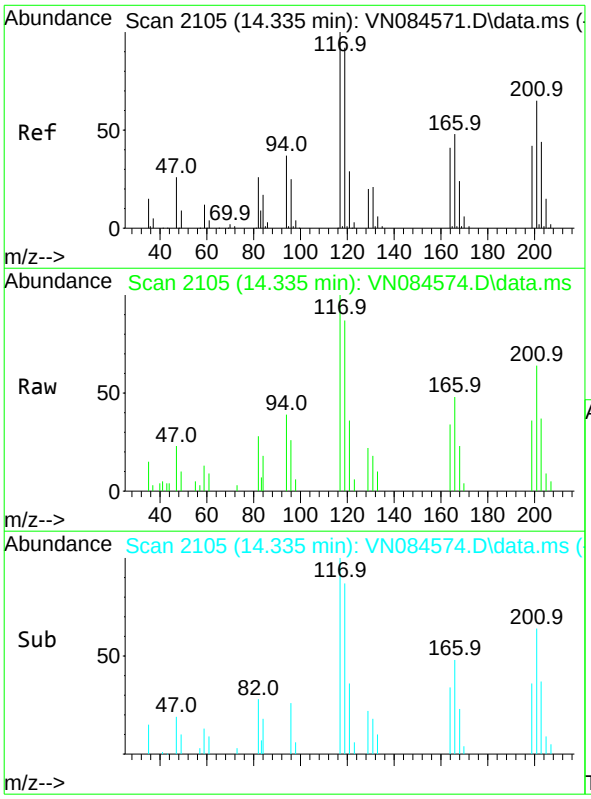
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.6	79.7
134	23.7	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

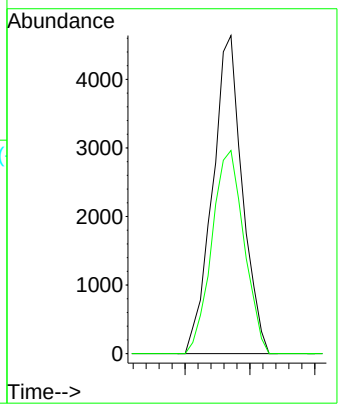
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

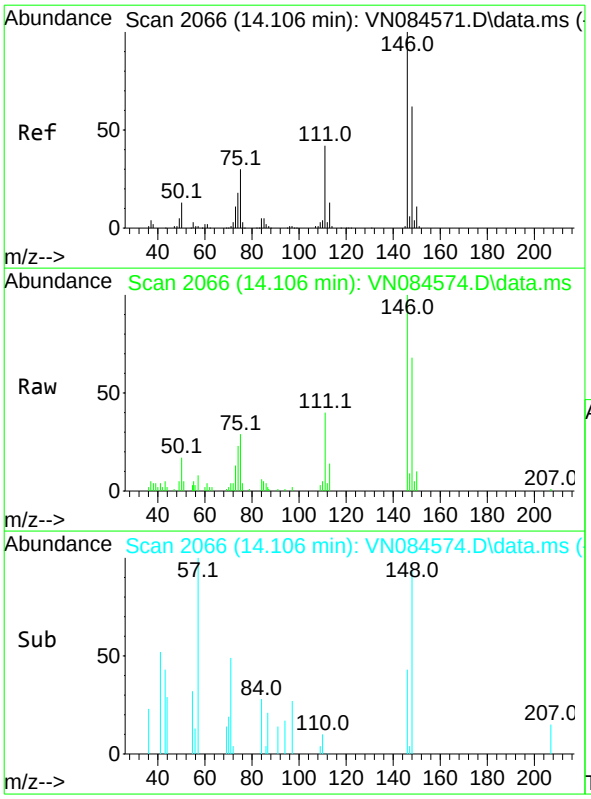


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2

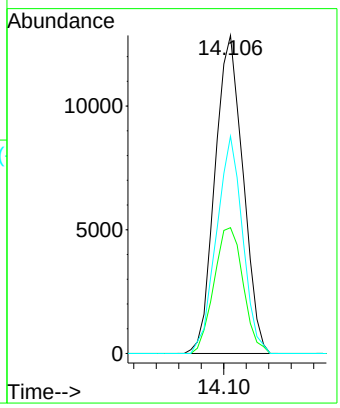




#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:146 Resp: 22221

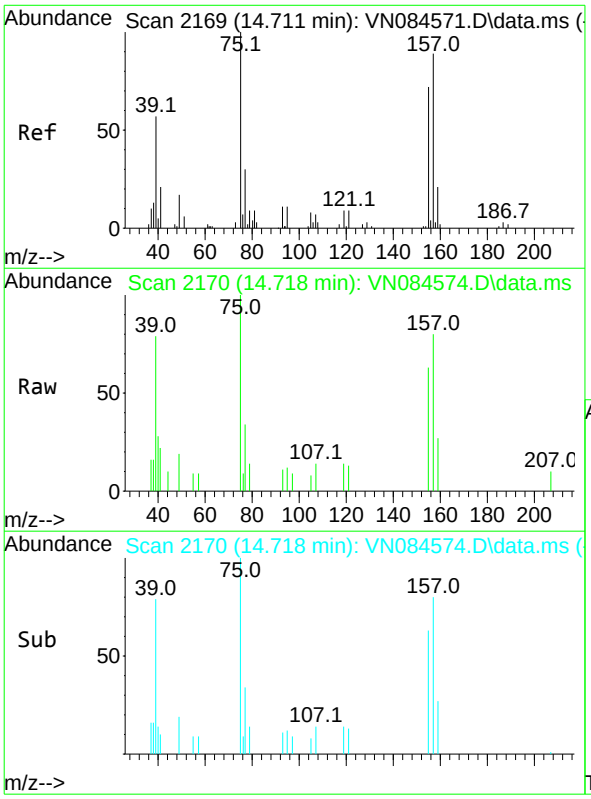
Ion	Ratio	Lower	Upper
146	100		
111	41.3	22.0	66.0
148	64.0	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

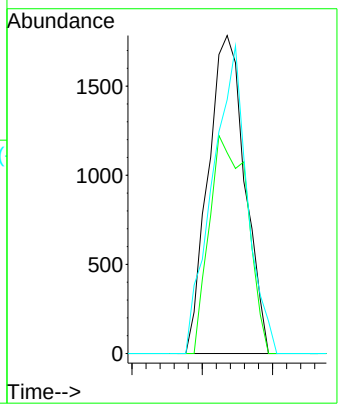
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

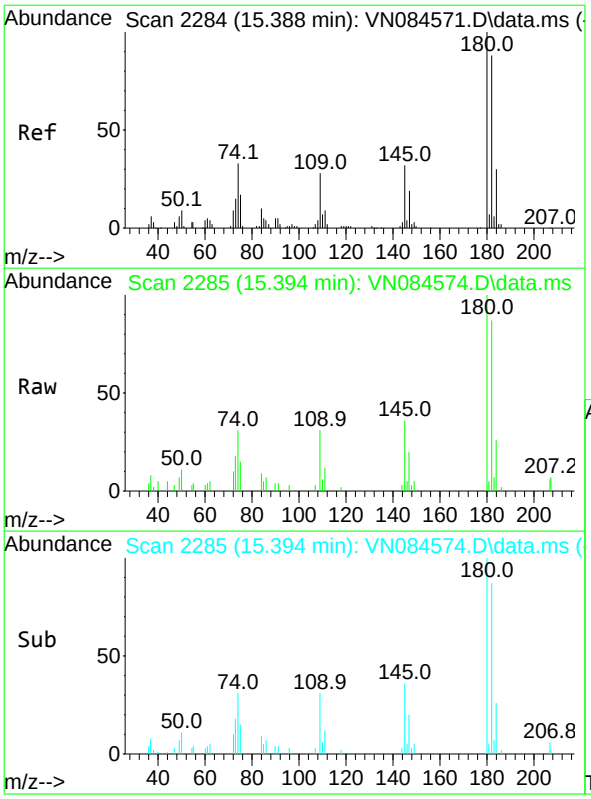


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

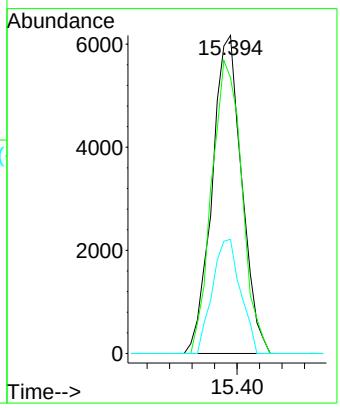




#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:180 Resp: 11298

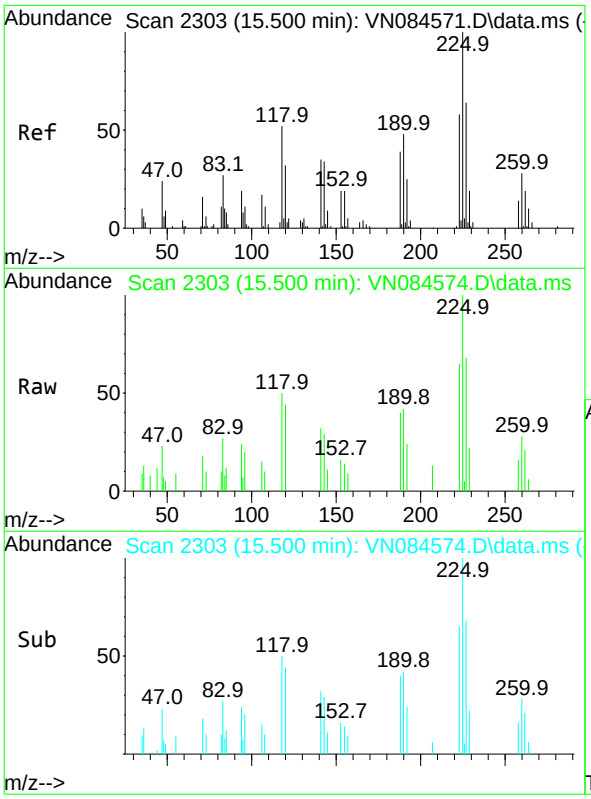
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

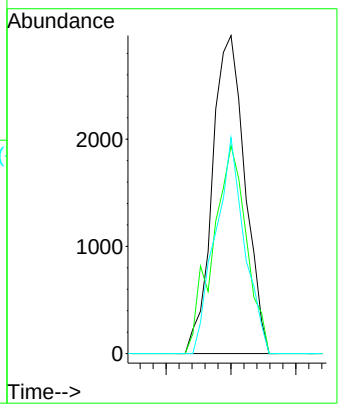
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

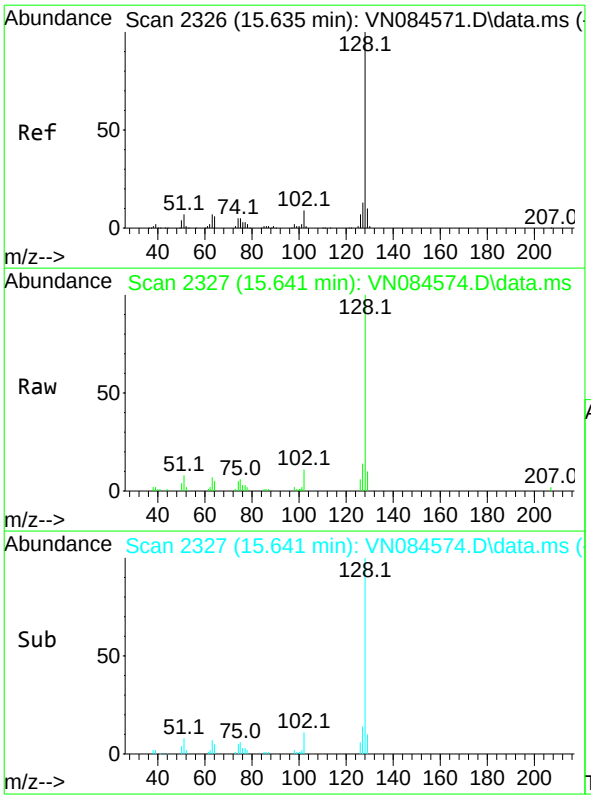


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

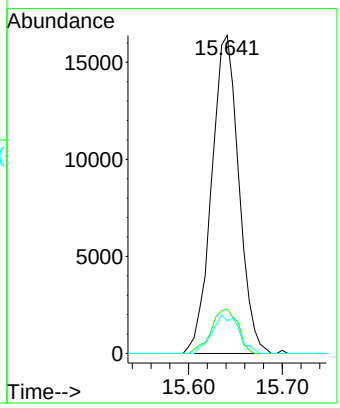




#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:128 Resp: 32966

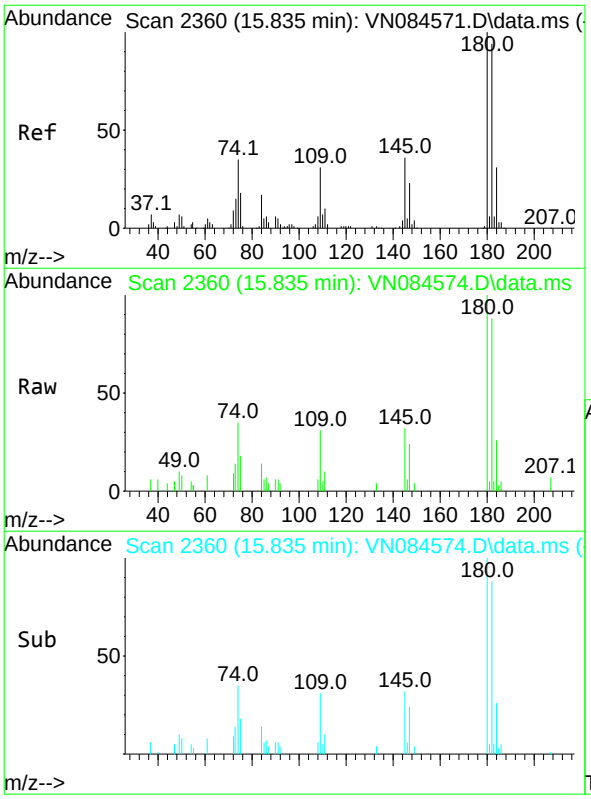
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.5	15.7
129	11.9	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

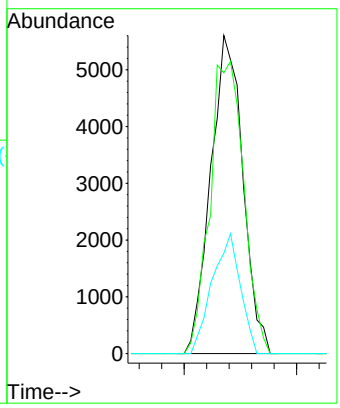
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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



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

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)
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

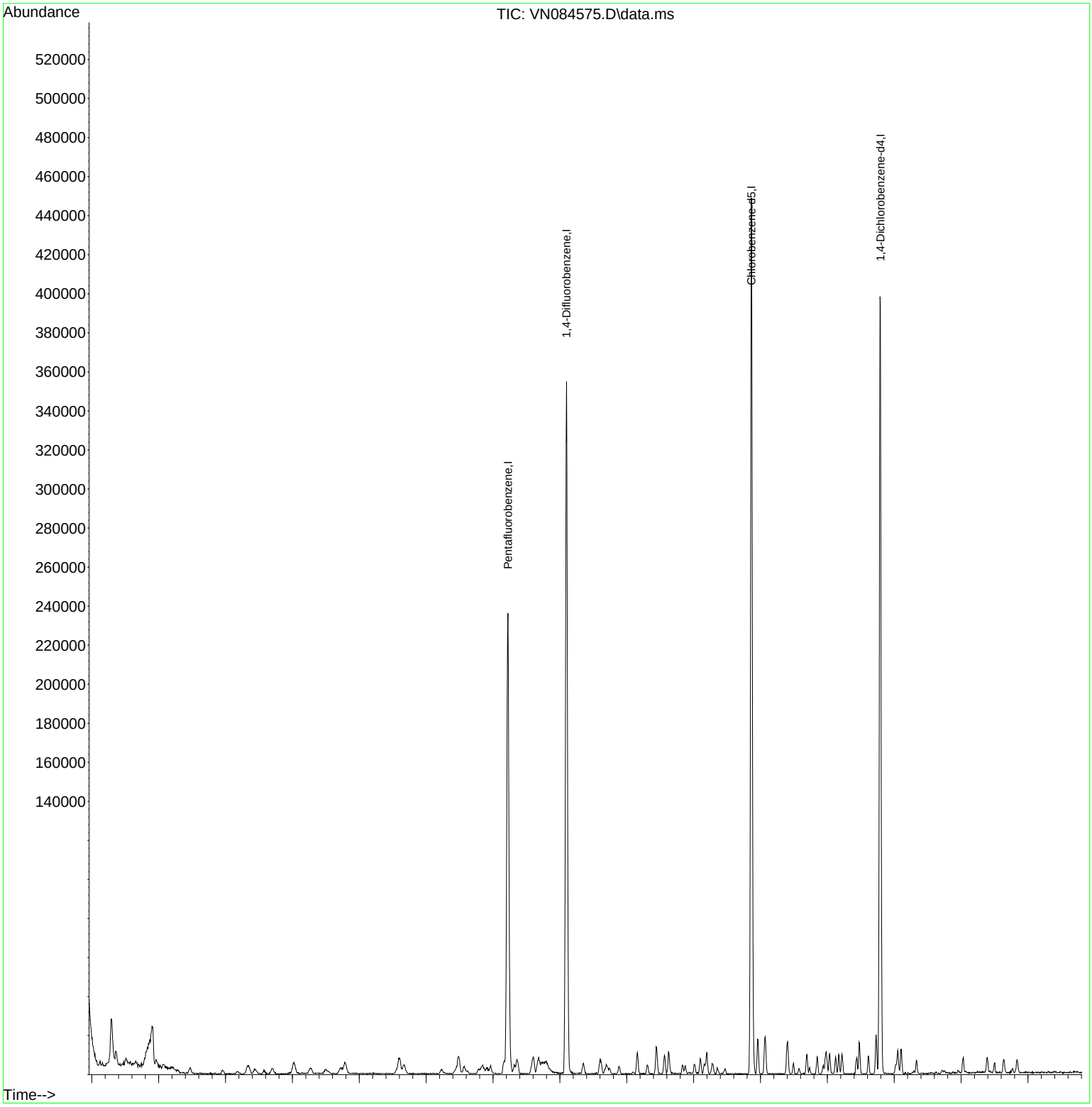
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

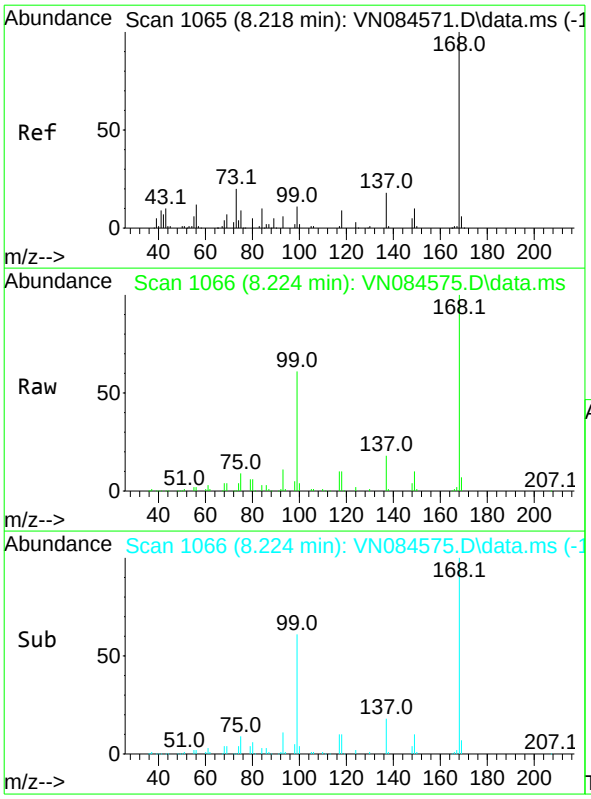
Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

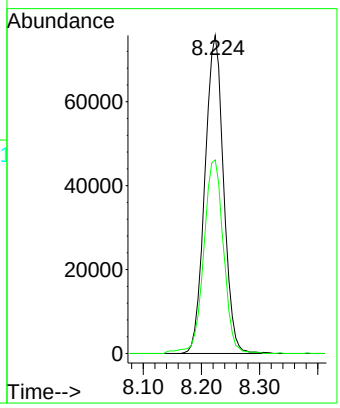




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:168 Resp: 168991

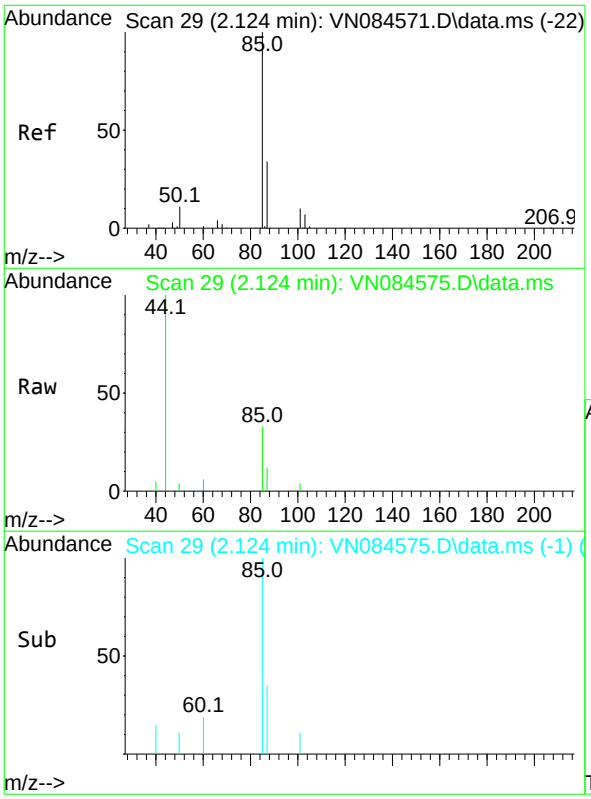
Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

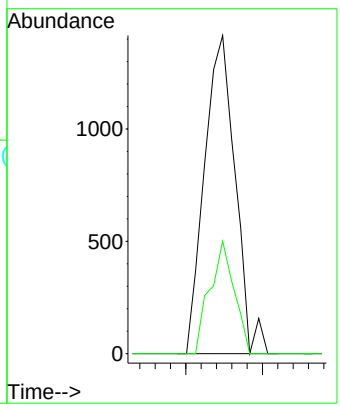
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

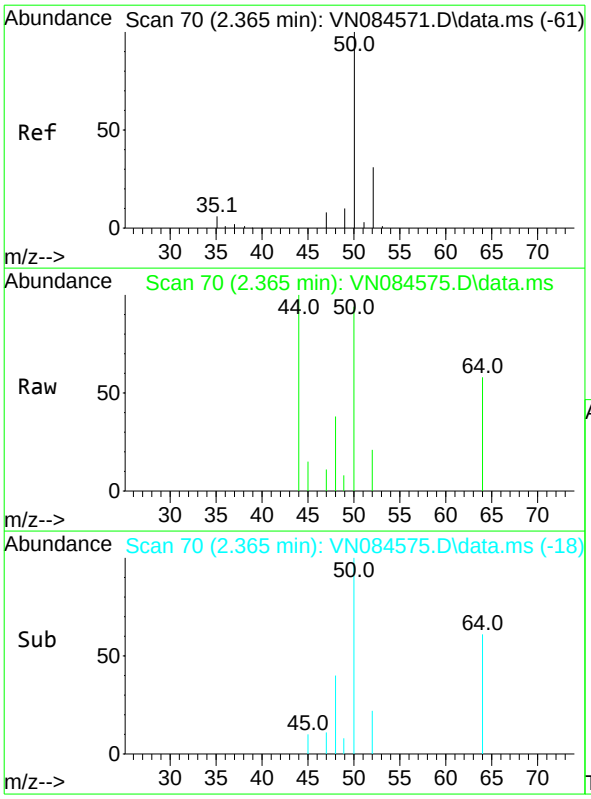


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9

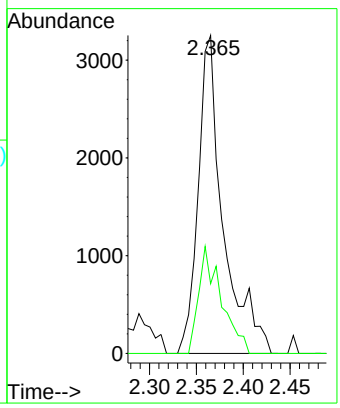




#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 50 Resp: 6046

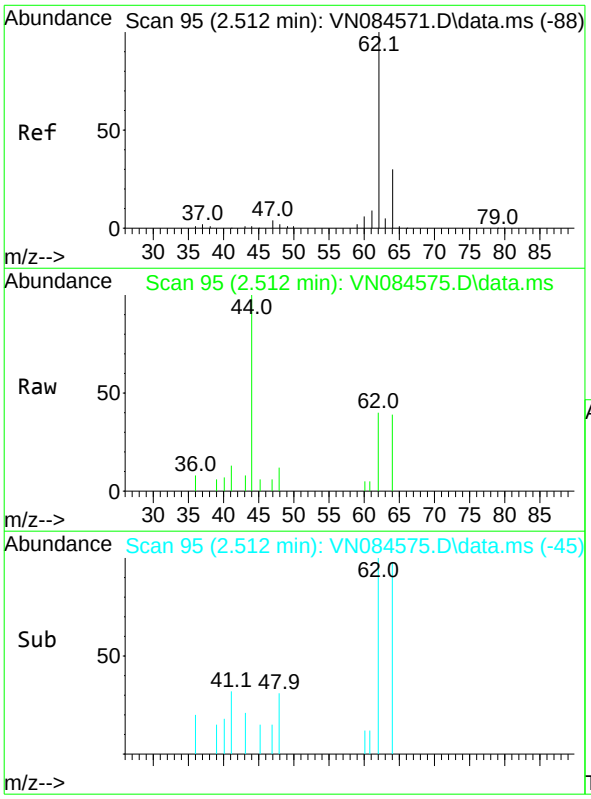
Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

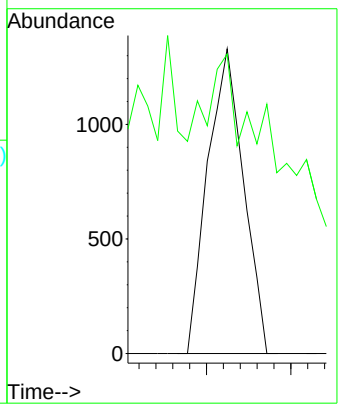
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

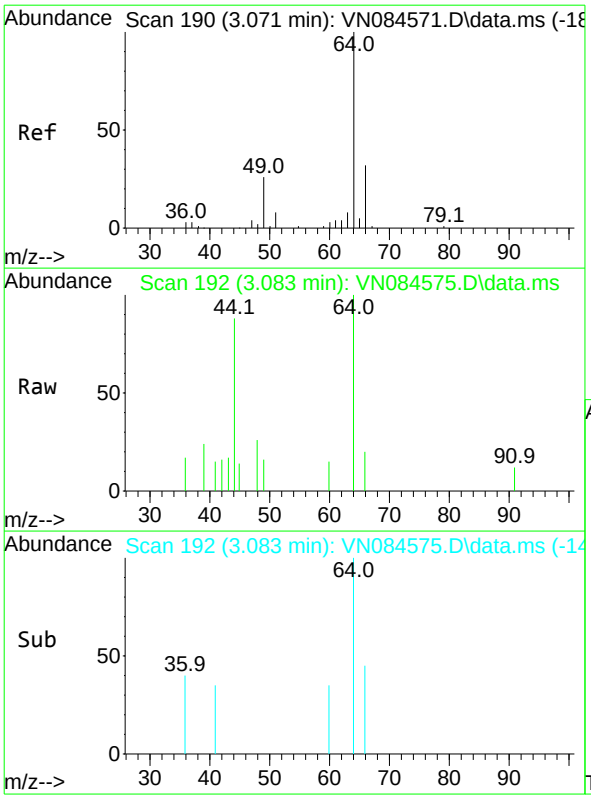


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4

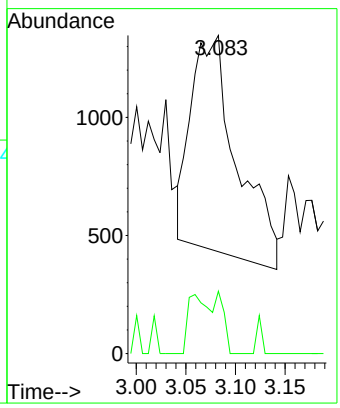




#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 19
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

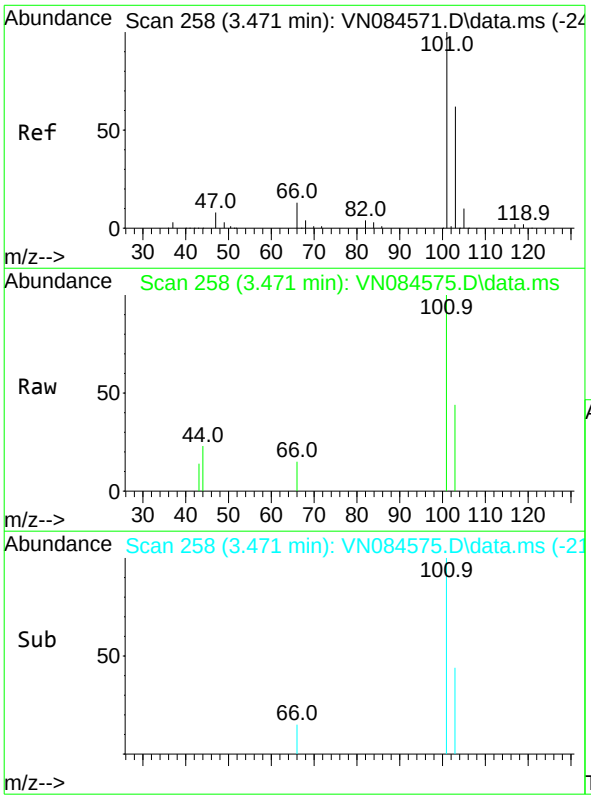
Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

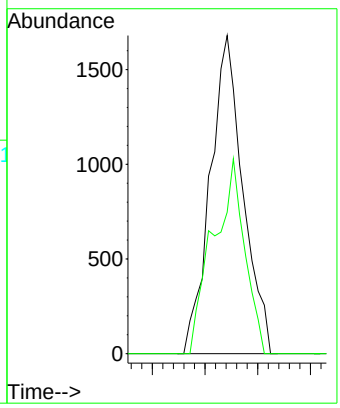
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

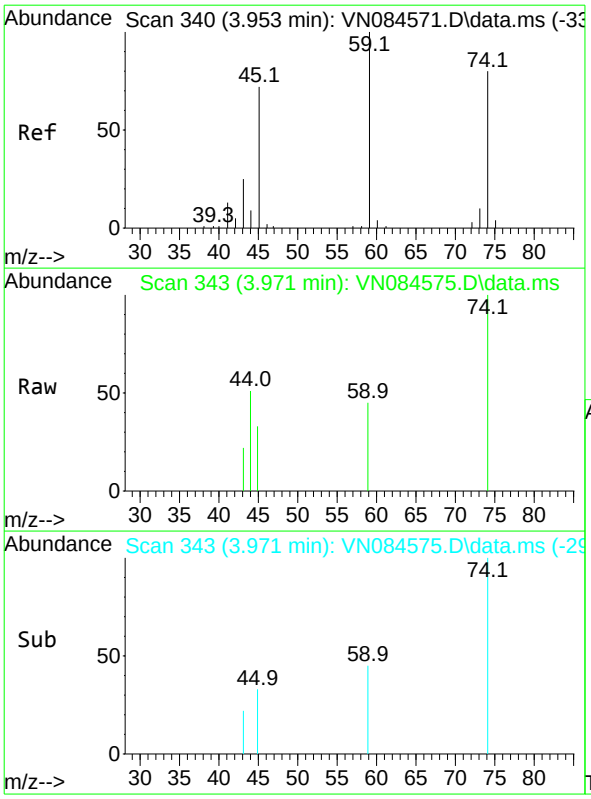


#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 258
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#

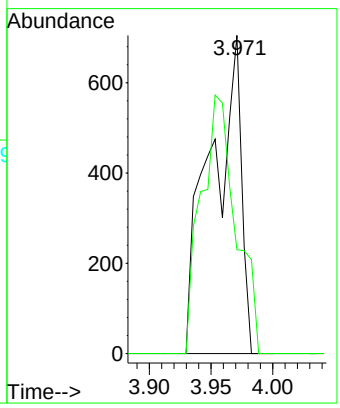




#8
Diethyl Ether
Concen: 0.996 ug/l m
RT: 3.971 min Scan# 34
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 74 Resp: 1209

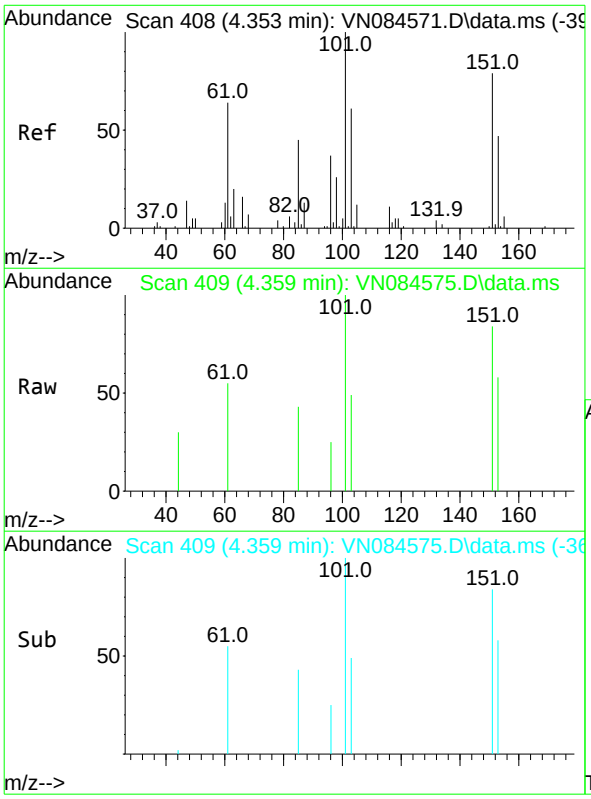
Ion	Ratio	Lower	Upper
74	100		
45	92.5	47.7	143.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

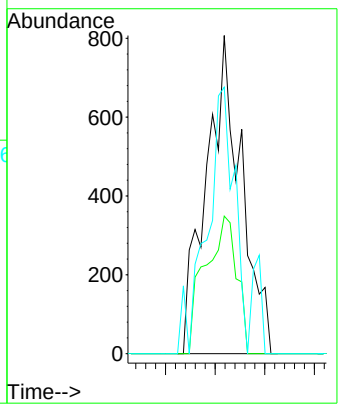
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

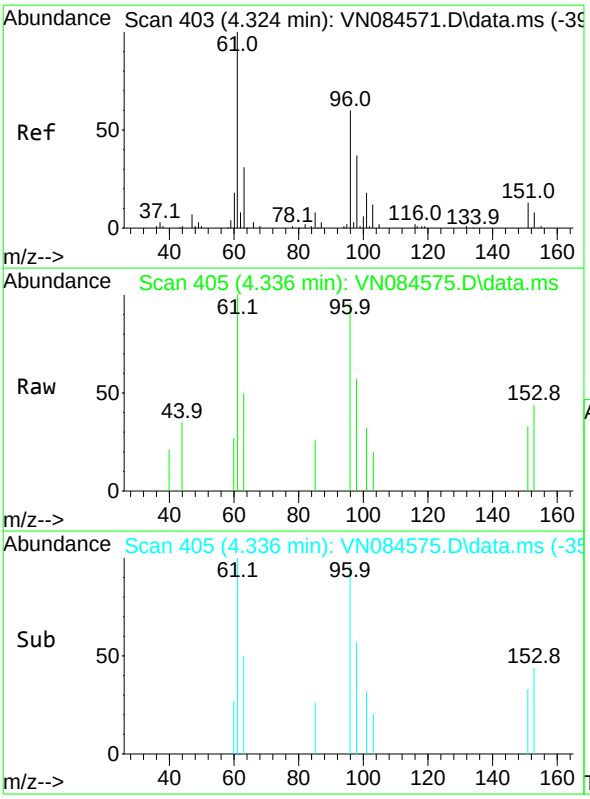


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

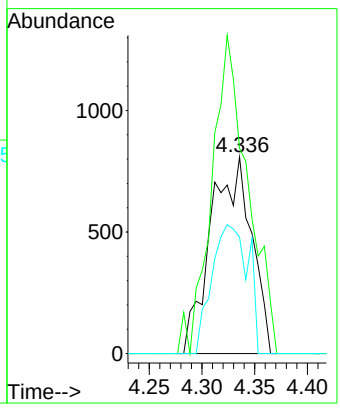




#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 40
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2177

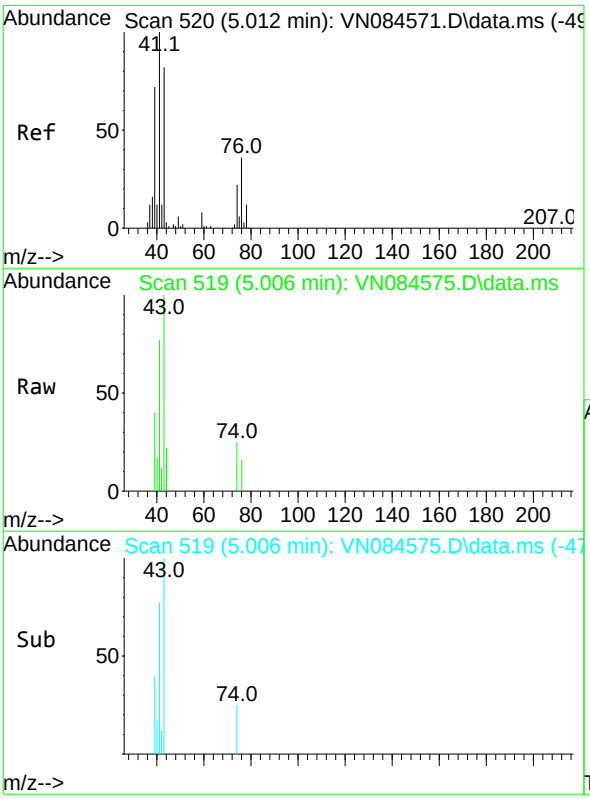
Ion	Ratio	Lower	Upper
96	100		
61	104.3	128.6	192.8#
98	59.2	51.7	77.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

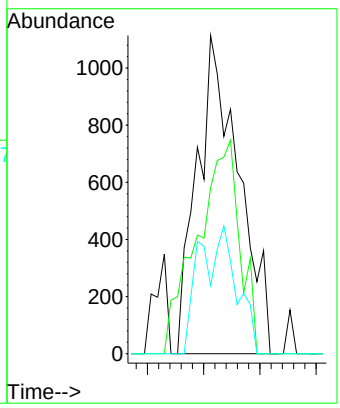
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

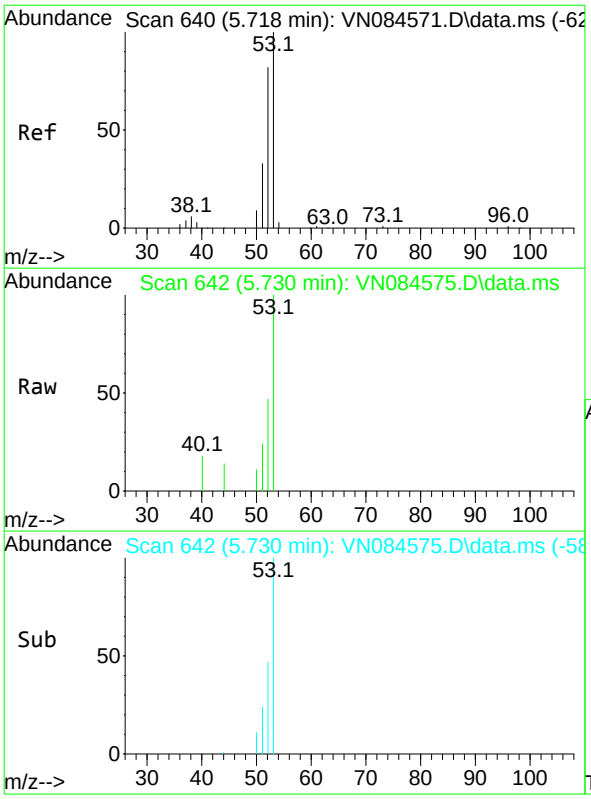


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

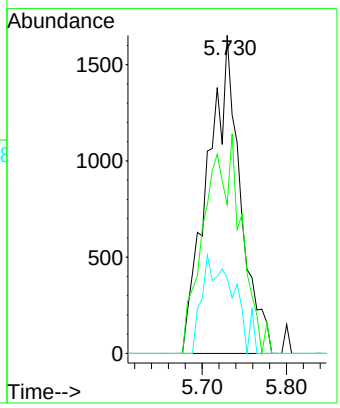




#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 53 Resp: 4443

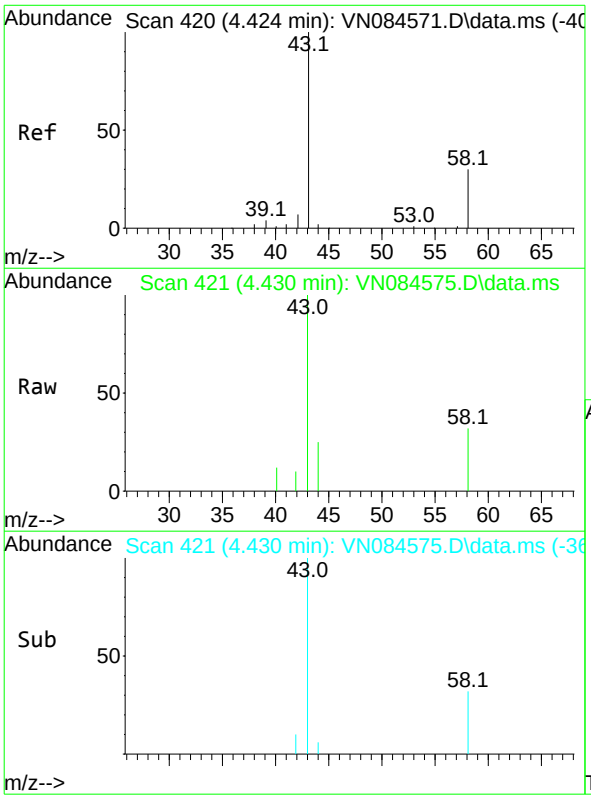
Ion	Ratio	Lower	Upper
53	100		
52	48.3	66.2	99.4#
51	0.0	28.8	43.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

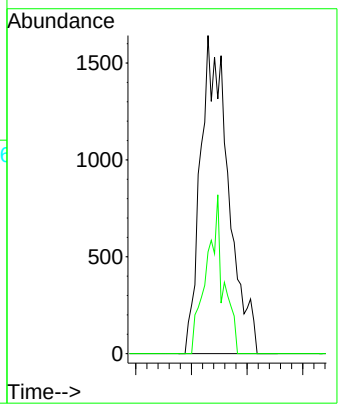
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

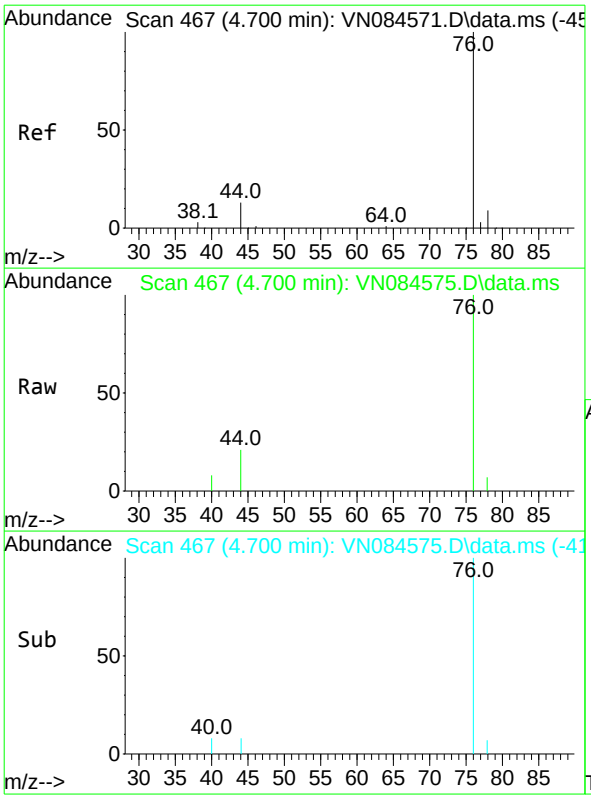


#16
Acetone
Concen: 5.302 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

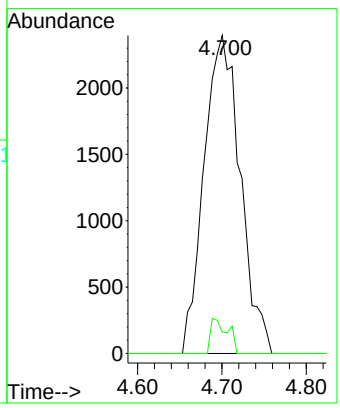
Tgt Ion: 76 Resp: 7155

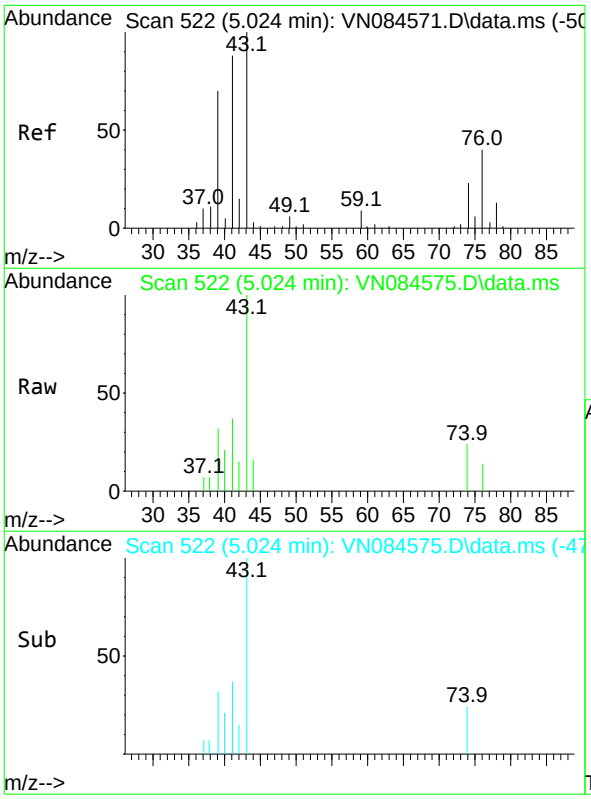
Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

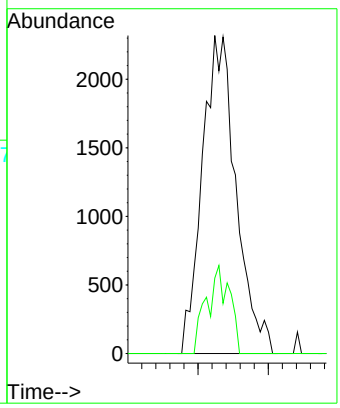


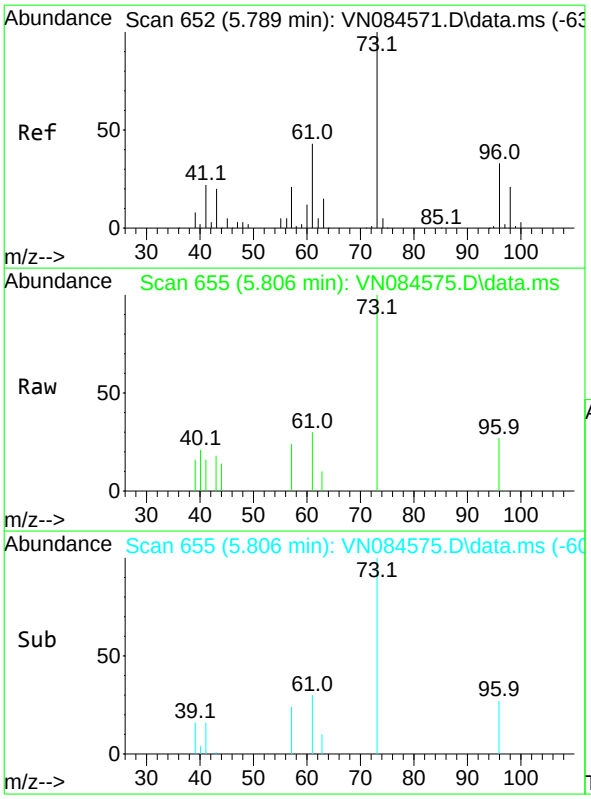


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#

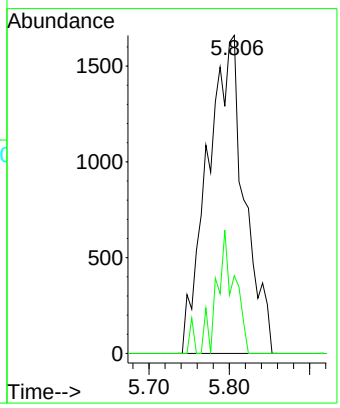




#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 73 Resp: 5314

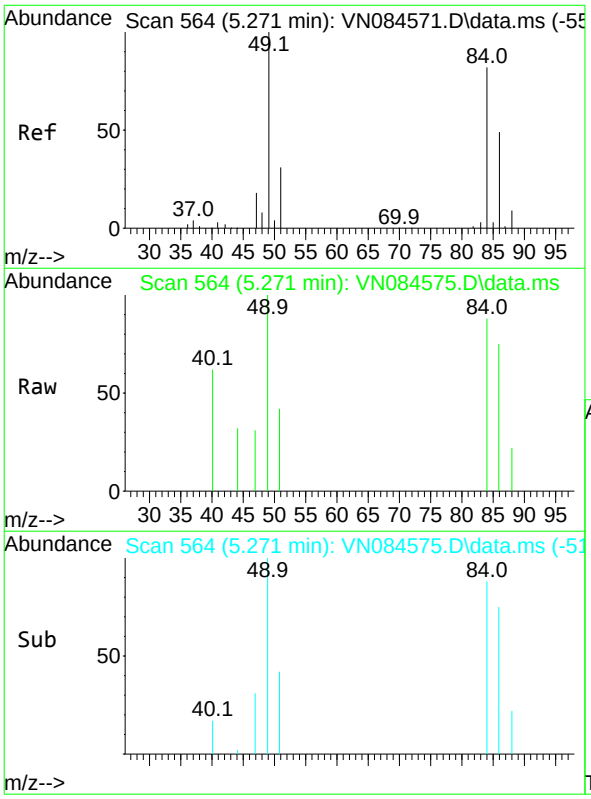
Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

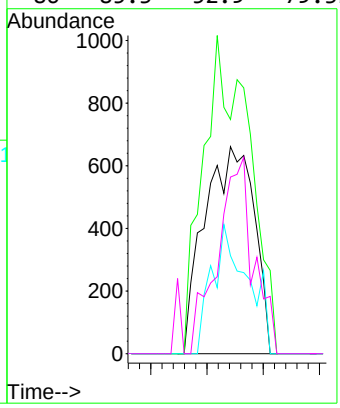
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

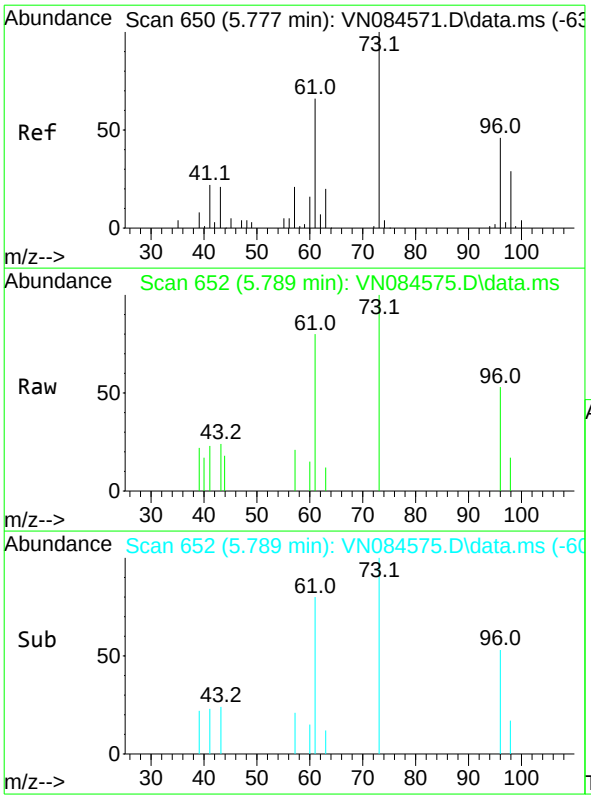


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

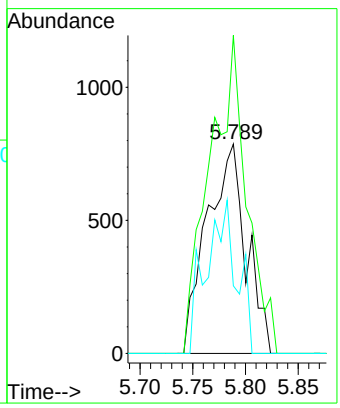




#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2030

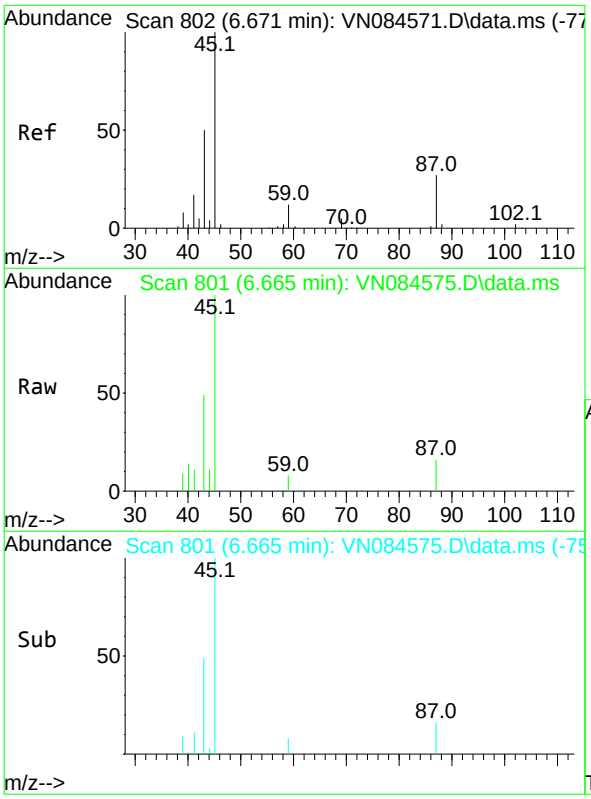
Ion	Ratio	Lower	Upper
96	100		
61	151.8	108.4	162.6
98	32.3	49.8	74.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

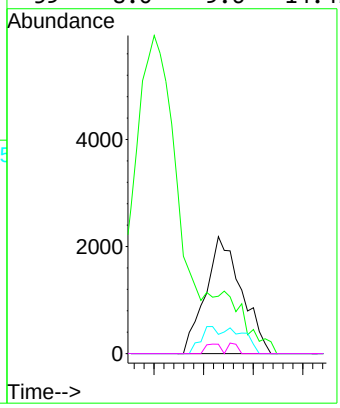
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

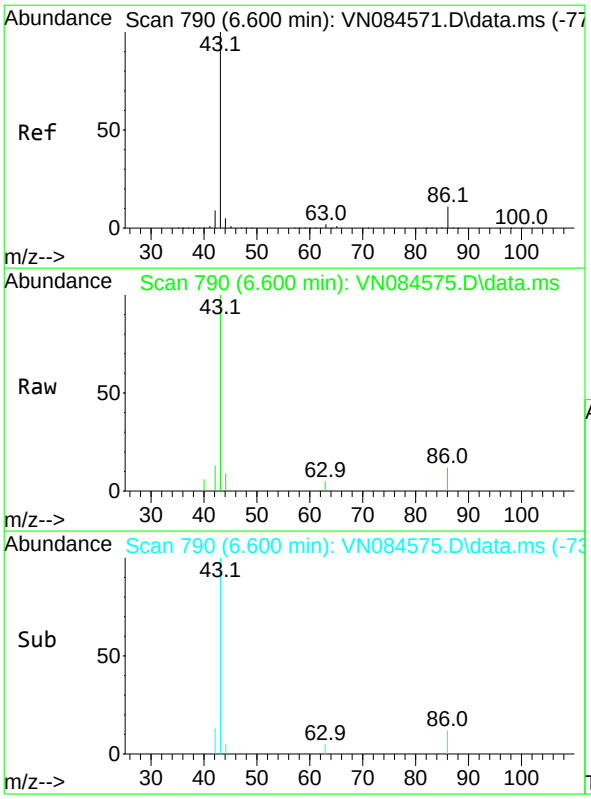


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

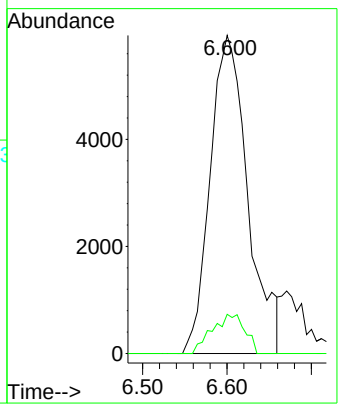




#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 18413

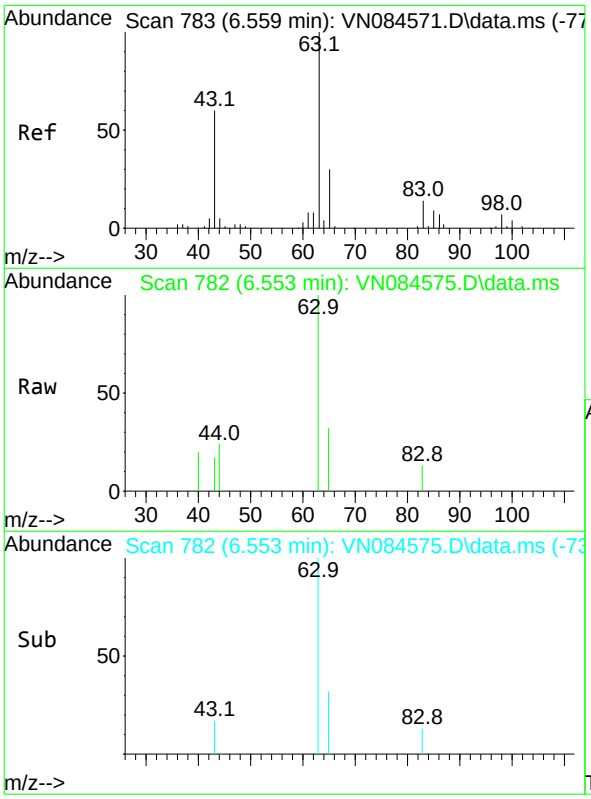
Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

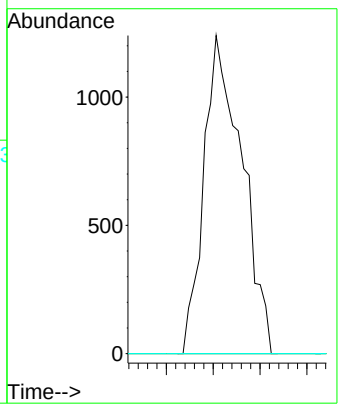
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

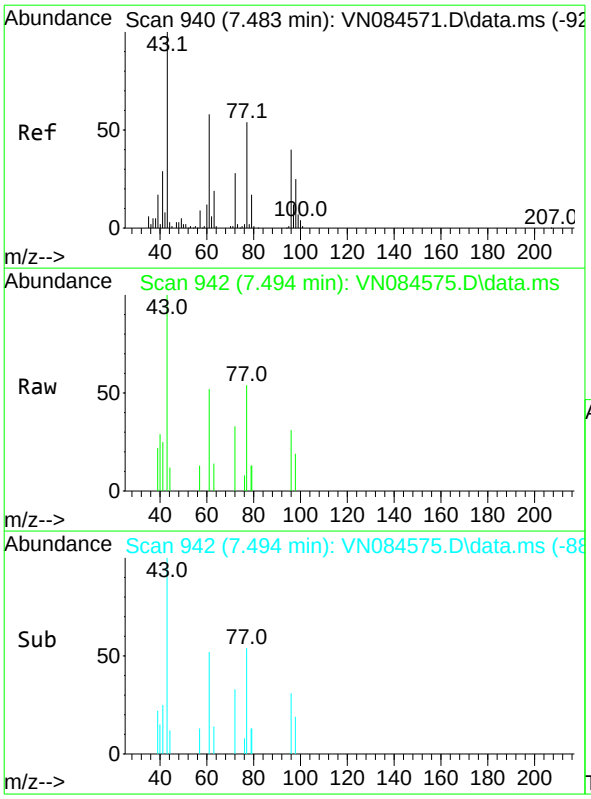


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

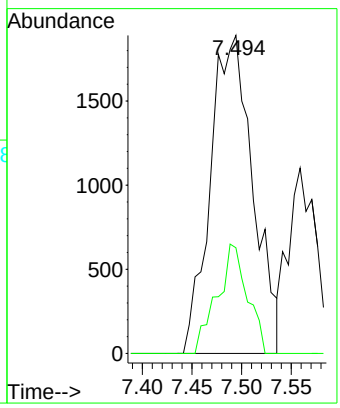




#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 5644

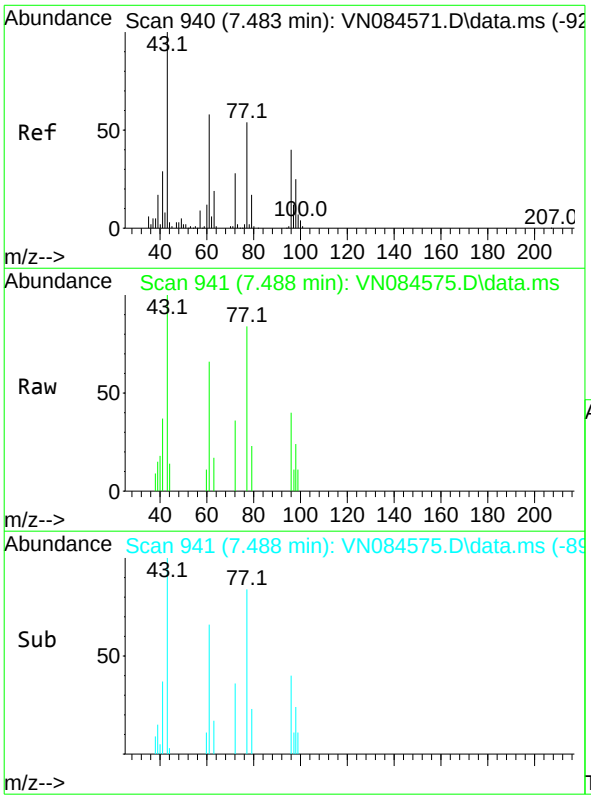
Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

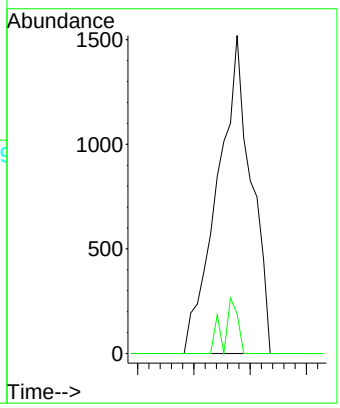
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

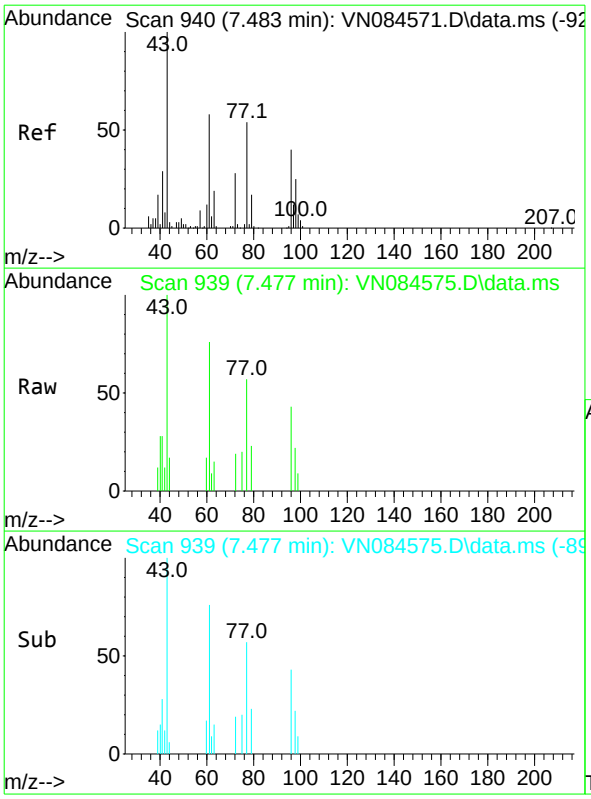


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#

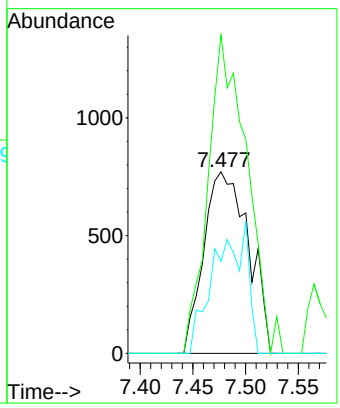




#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 96 Resp: 2275

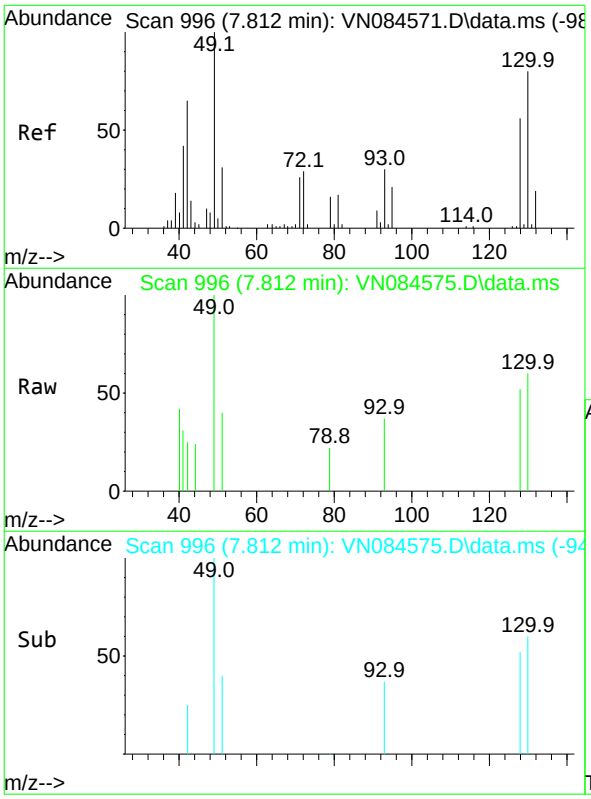
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	301.8
98	0.0	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

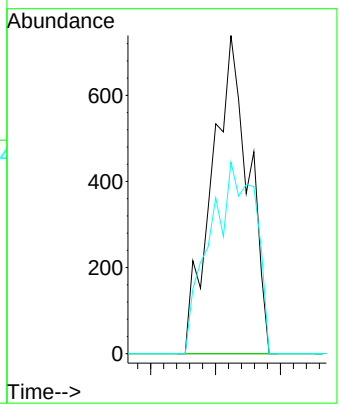
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

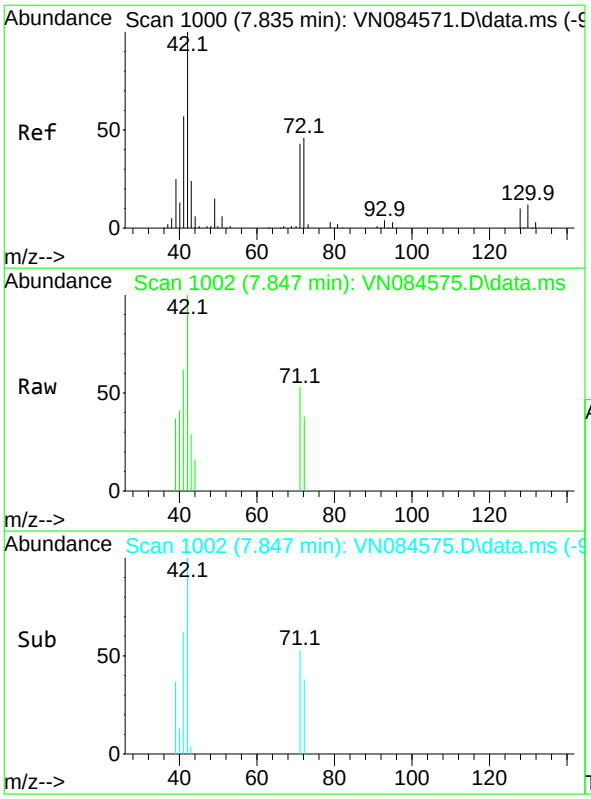


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

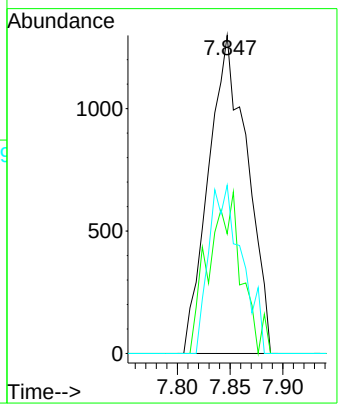




#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 10
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 42 Resp: 3321

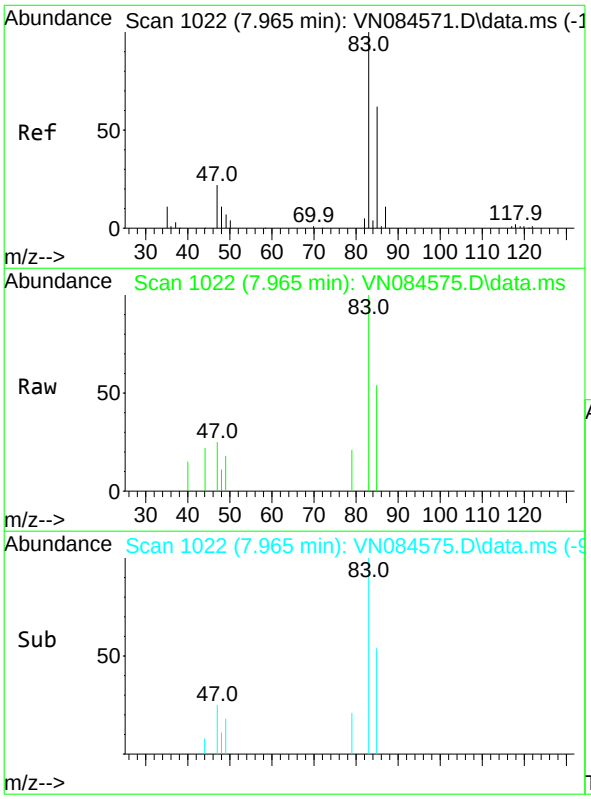
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	51.8
71	45.0	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

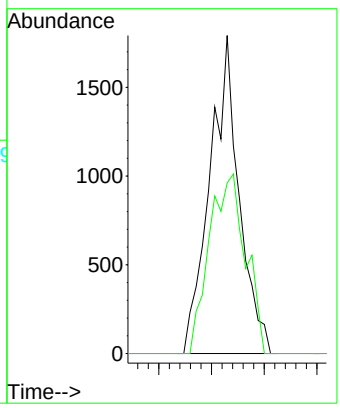
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

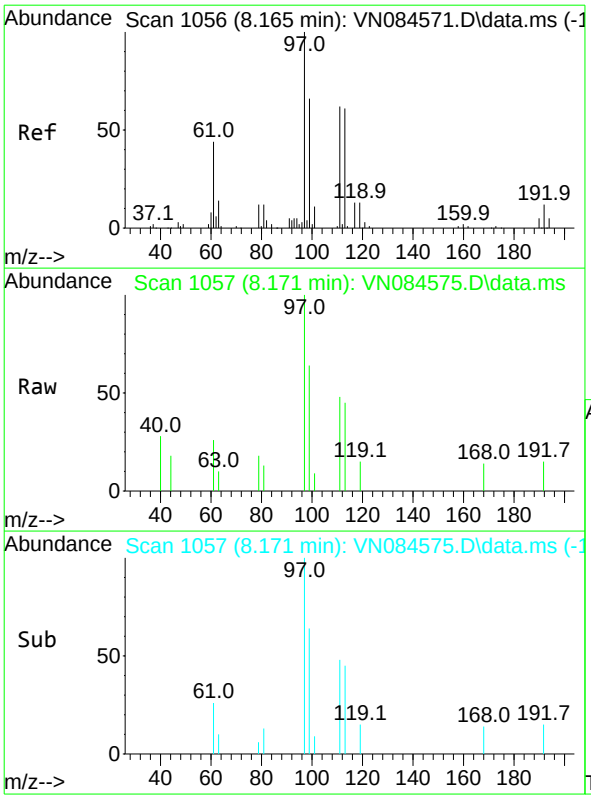


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4

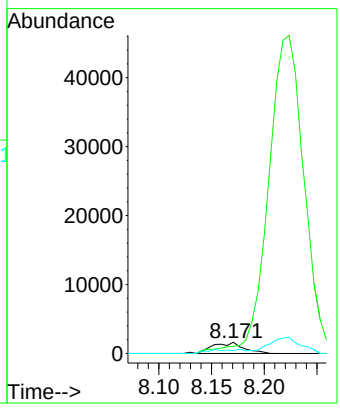




#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 97 Resp: 3312

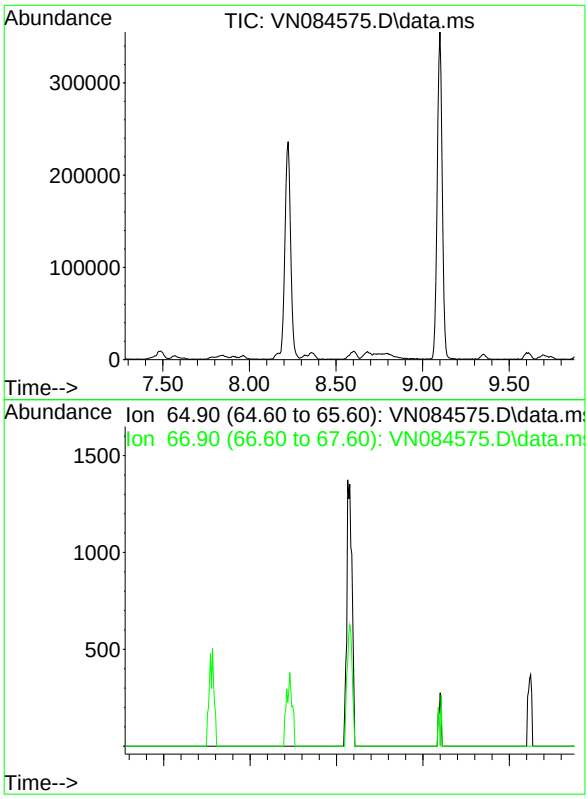
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	17.9	37.5	56.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

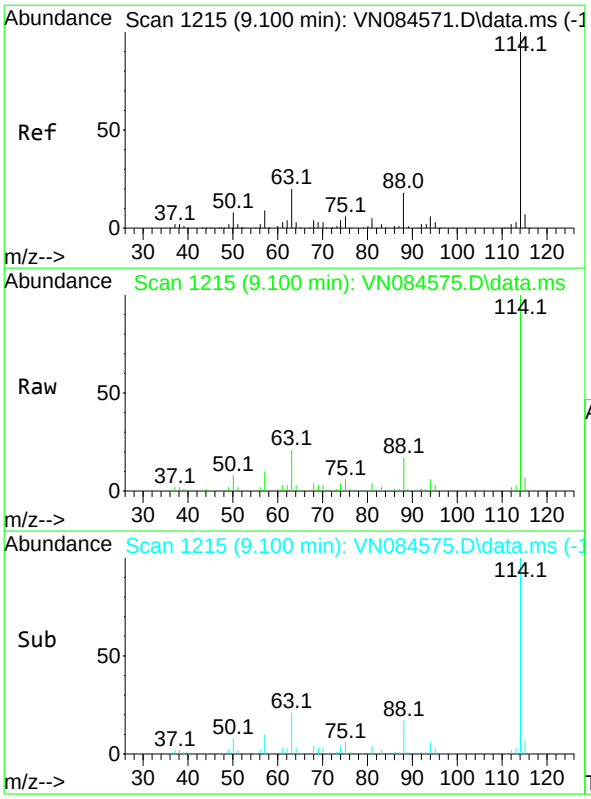


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 65

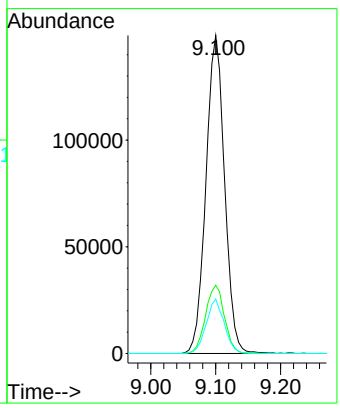
Sig	Exp Ratio
65	100
67	51.0



#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

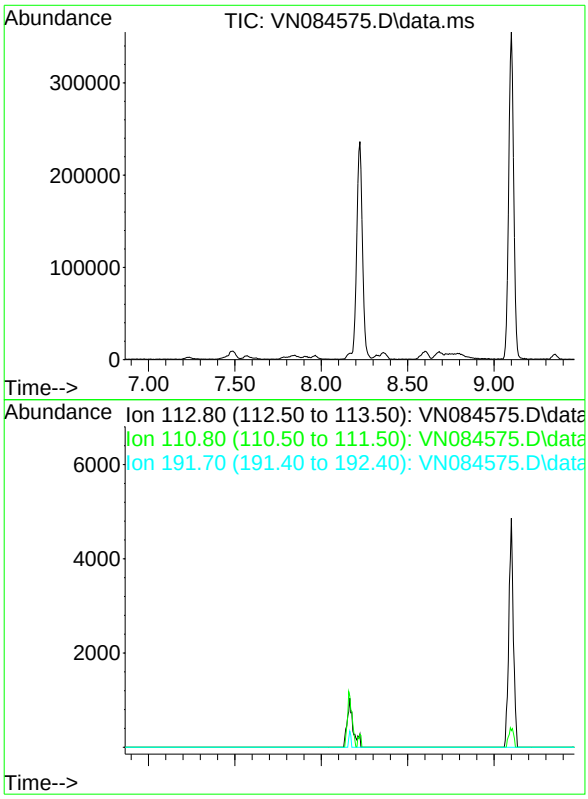
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	17.1	0.0	31.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

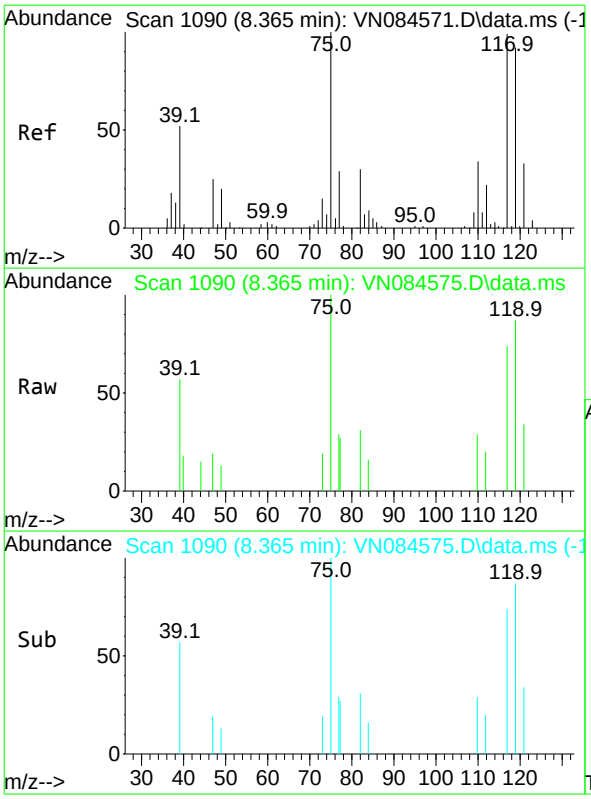


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 113

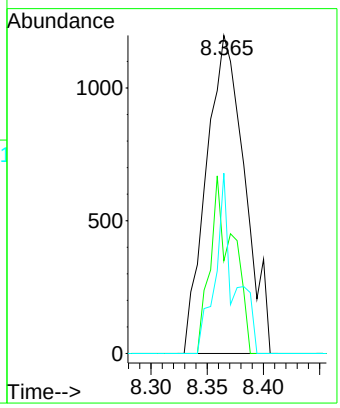
Sig	Exp Ratio
113	100
111	104.1
192	16.9



#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

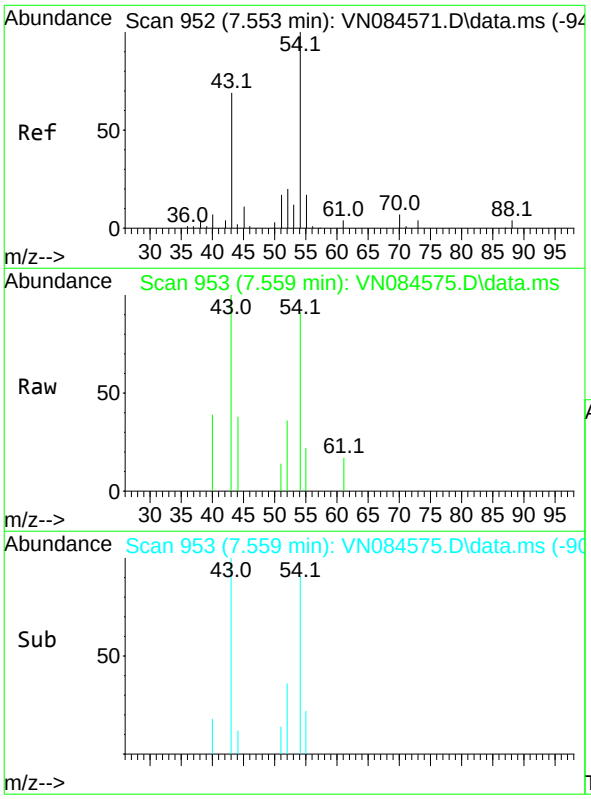
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.7
77	28.1	24.7	37.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

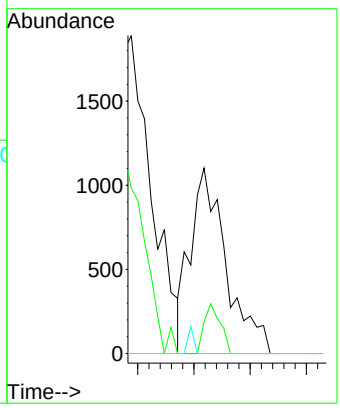
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

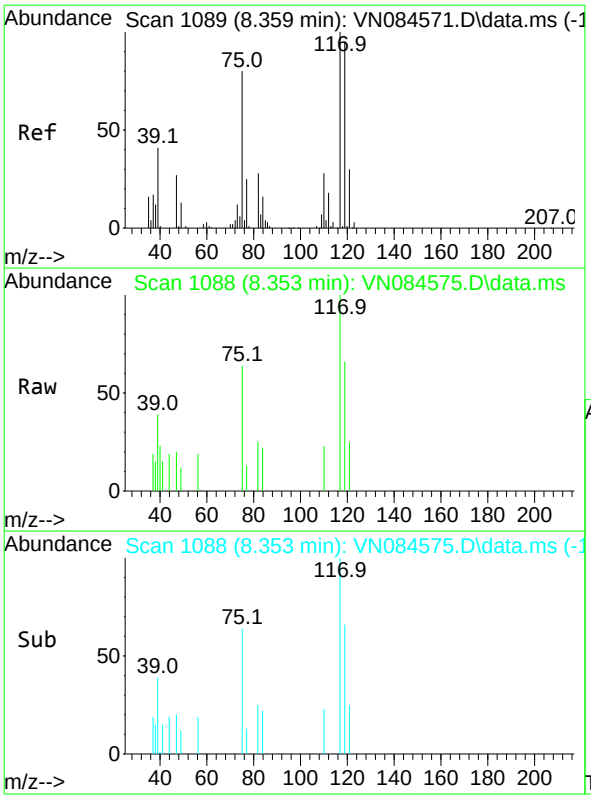


#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

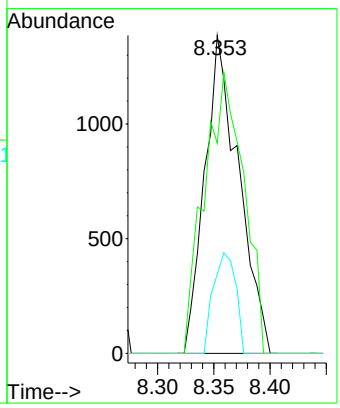




#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 2904

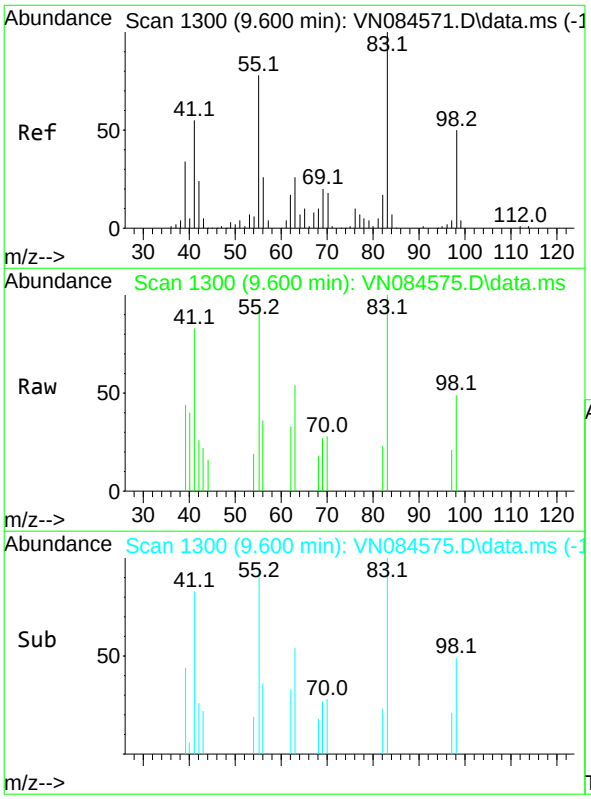
Ion	Ratio	Lower	Upper
117	100		
119	66.1	78.7	118.1#
121	24.9	24.4	36.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

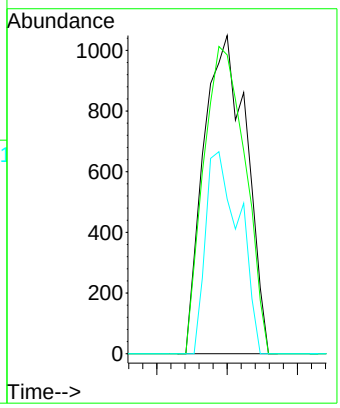
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

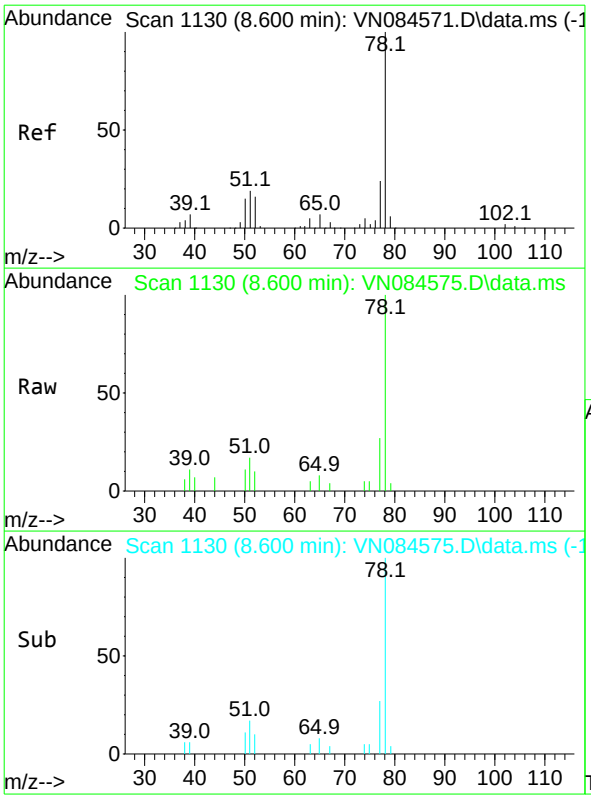


#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

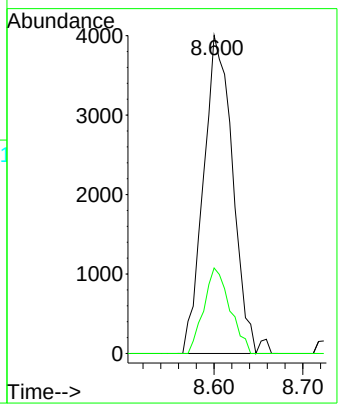




#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

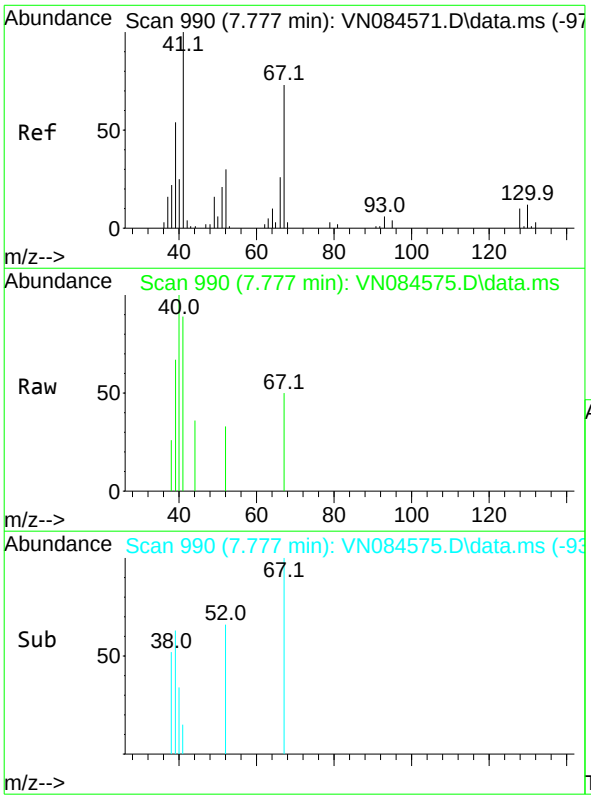
Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

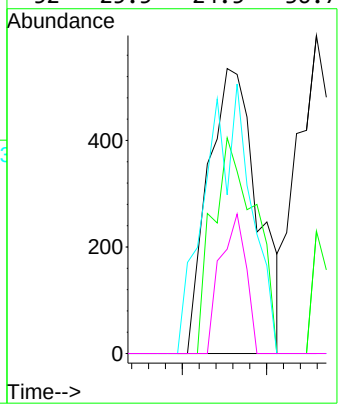
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

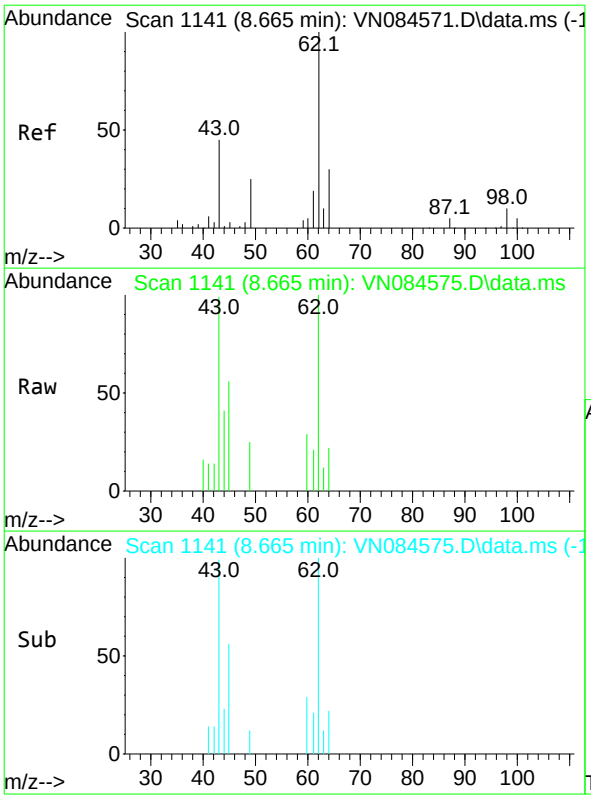


#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

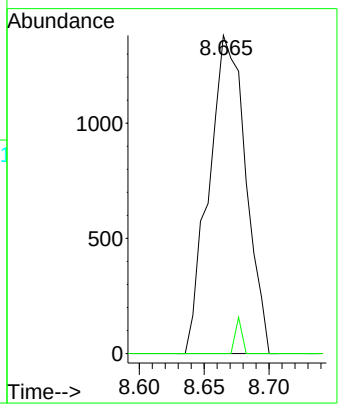




#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

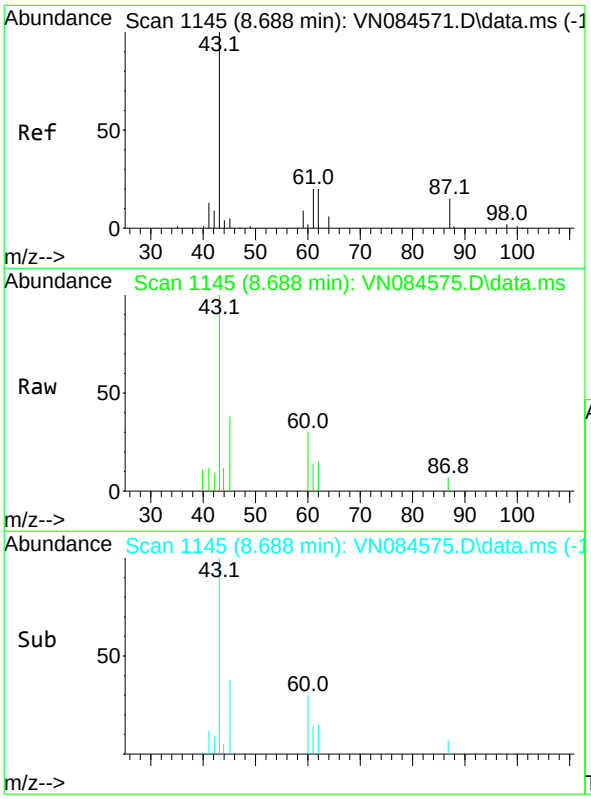
Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

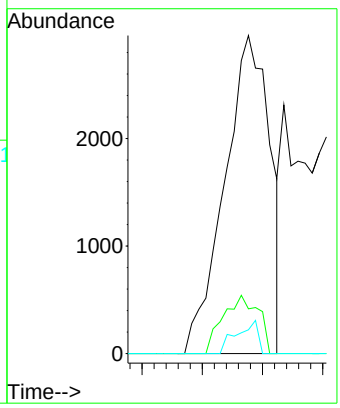
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

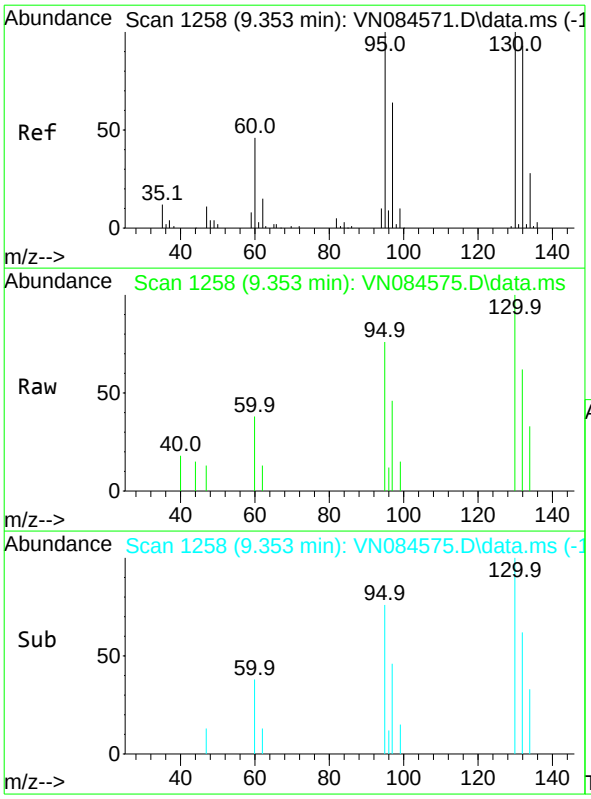


#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

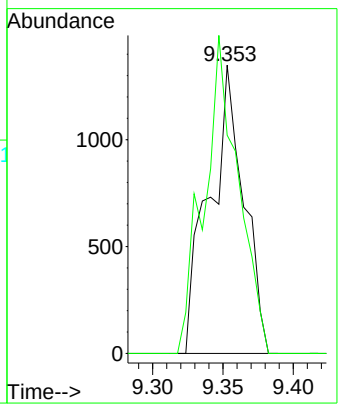




#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

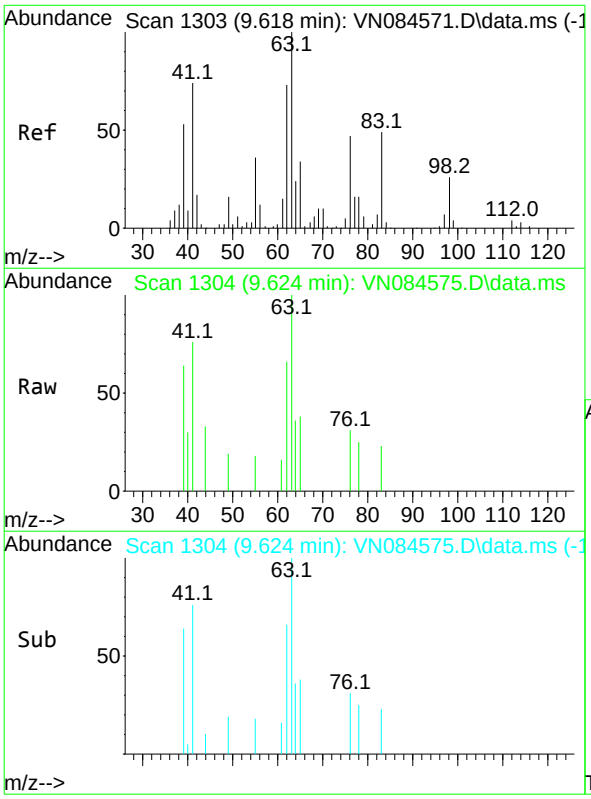
Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

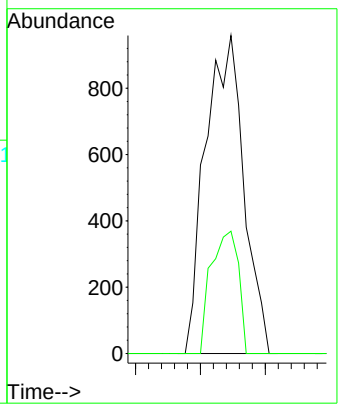
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

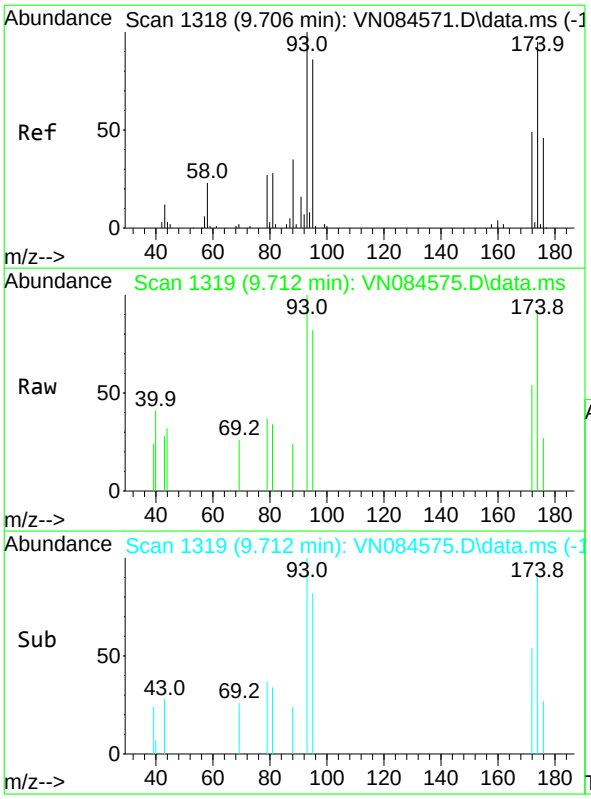


#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

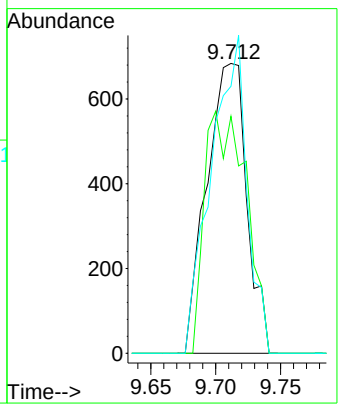




#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 93 Resp: 1472

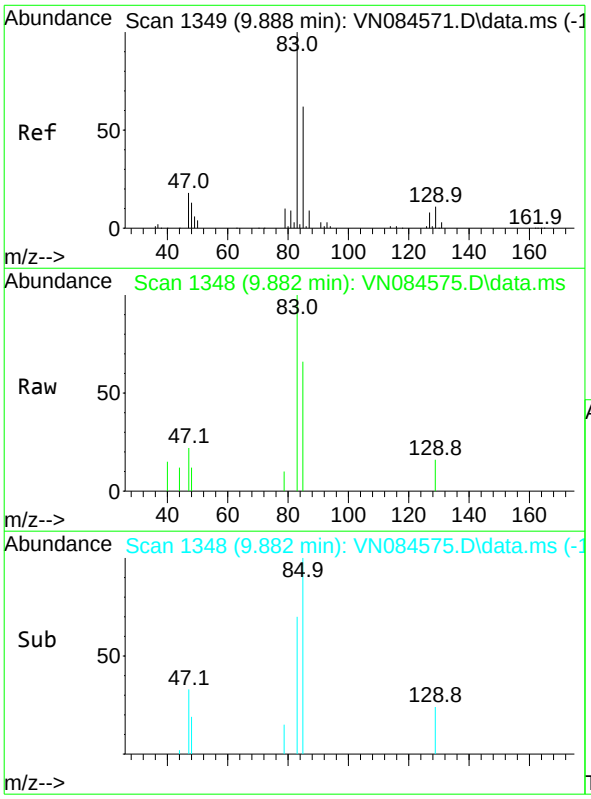
Ion	Ratio	Lower	Upper
93	100		
95	86.6	65.0	97.4
174	97.5	71.8	107.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

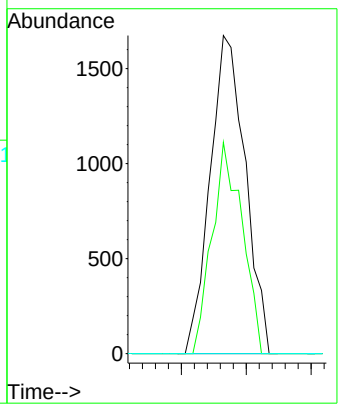
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

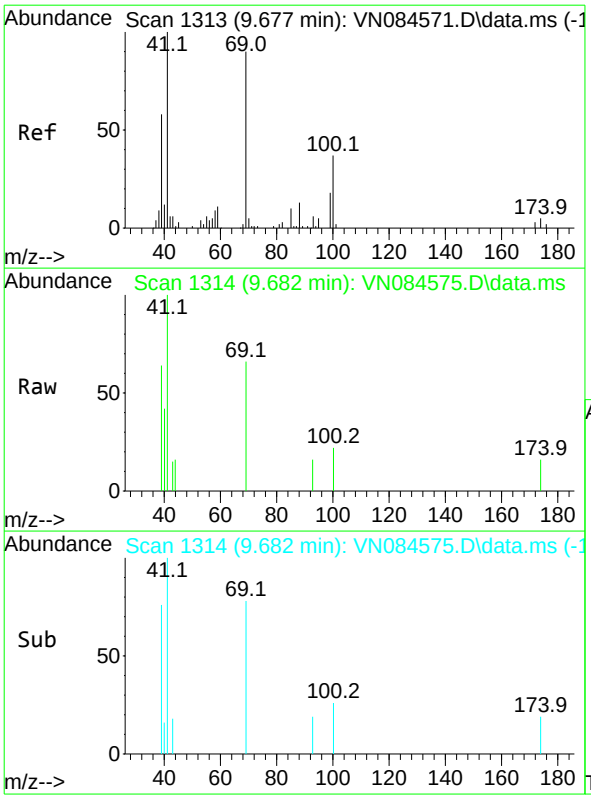


#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

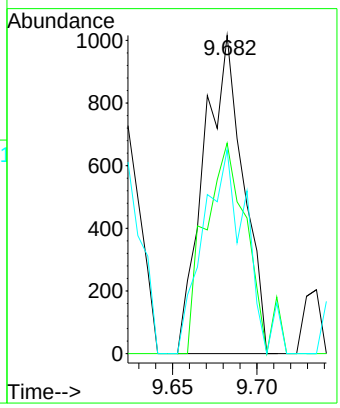




#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 41 Resp: 1652

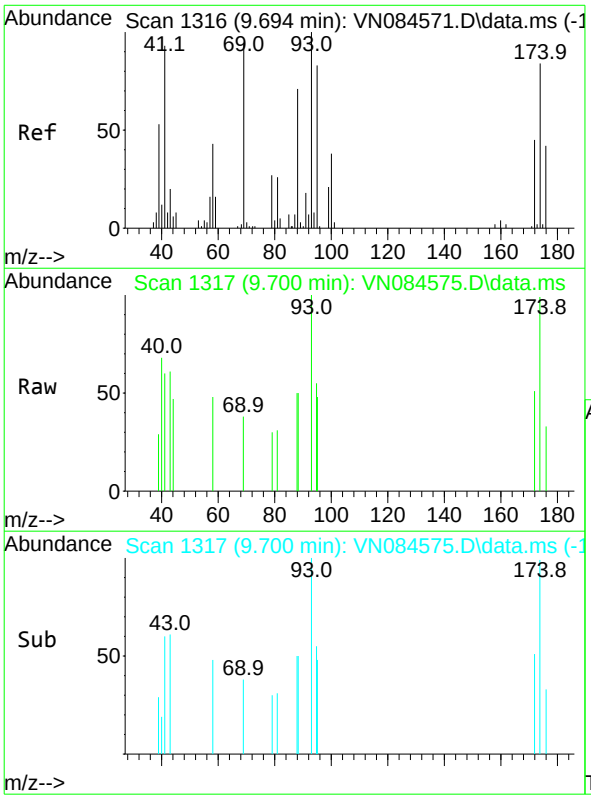
Ion	Ratio	Lower	Upper
41	100		
69	71.3	67.1	100.7
39	70.6	45.8	68.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

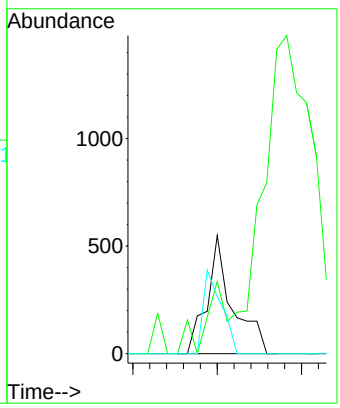
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

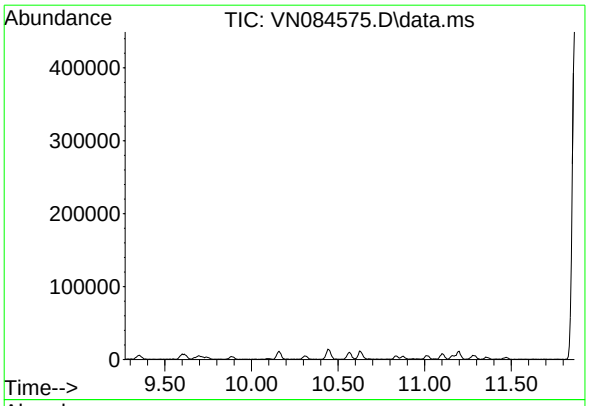


#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

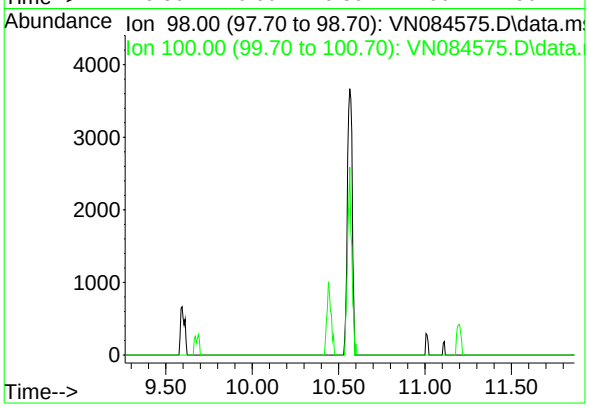
Tgt Ion: 98

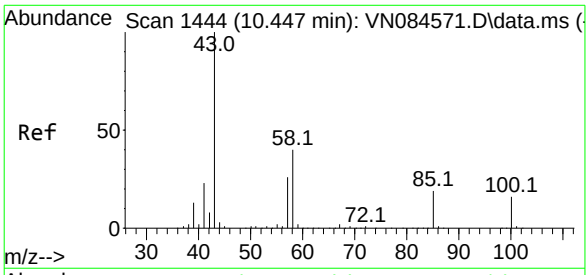
Sig	Exp Ratio
98	100
100	65.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

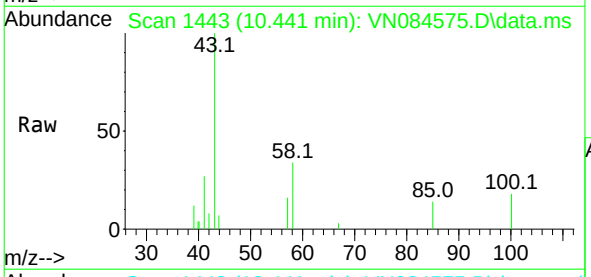


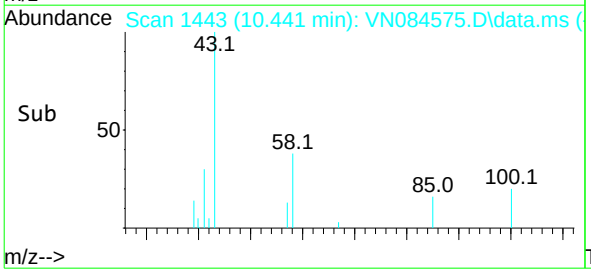


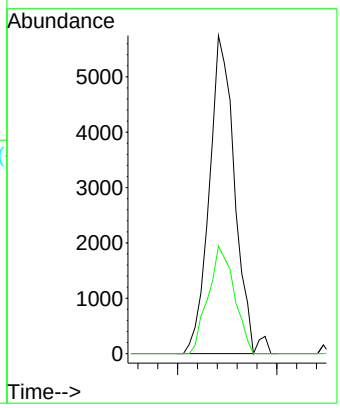
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

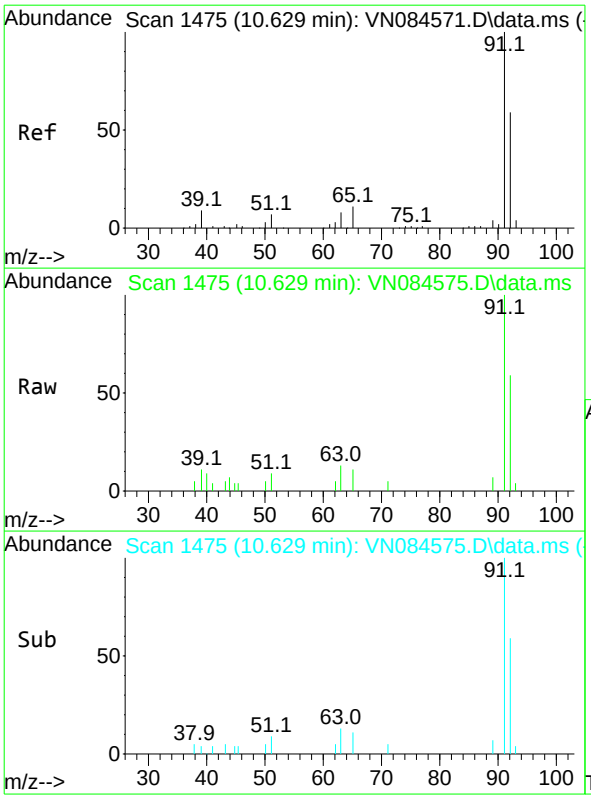
Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4





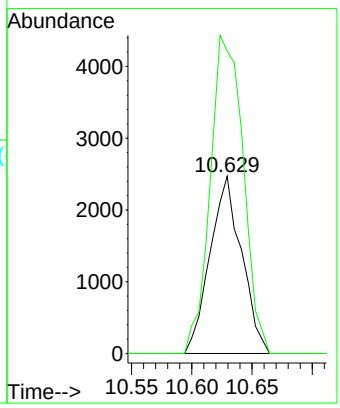




#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

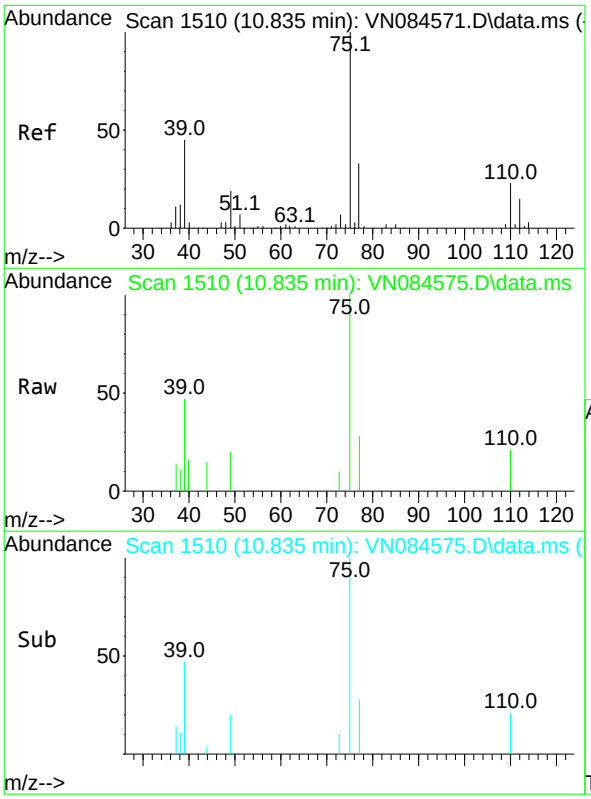
Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

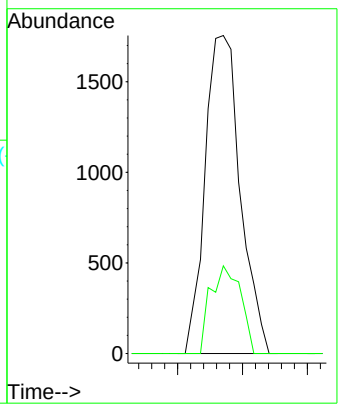
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

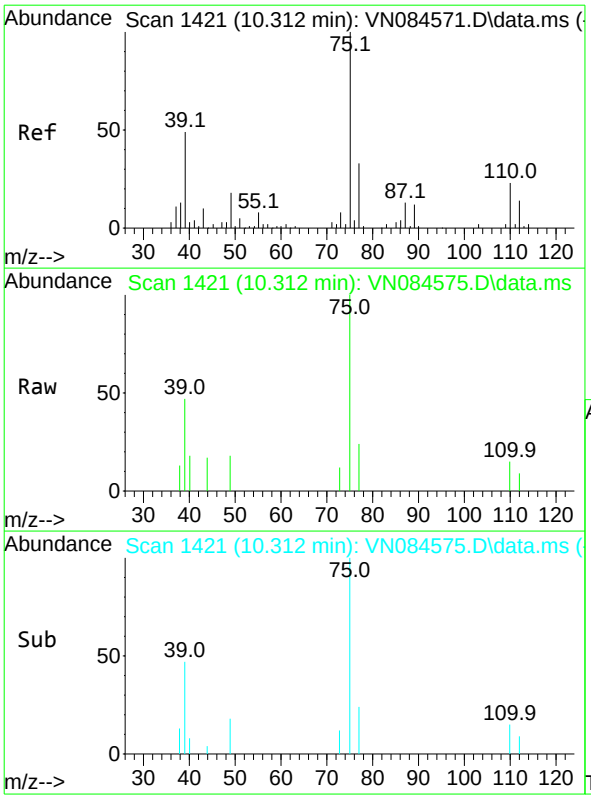


#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

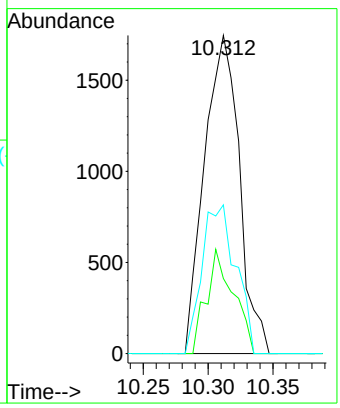




#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3266

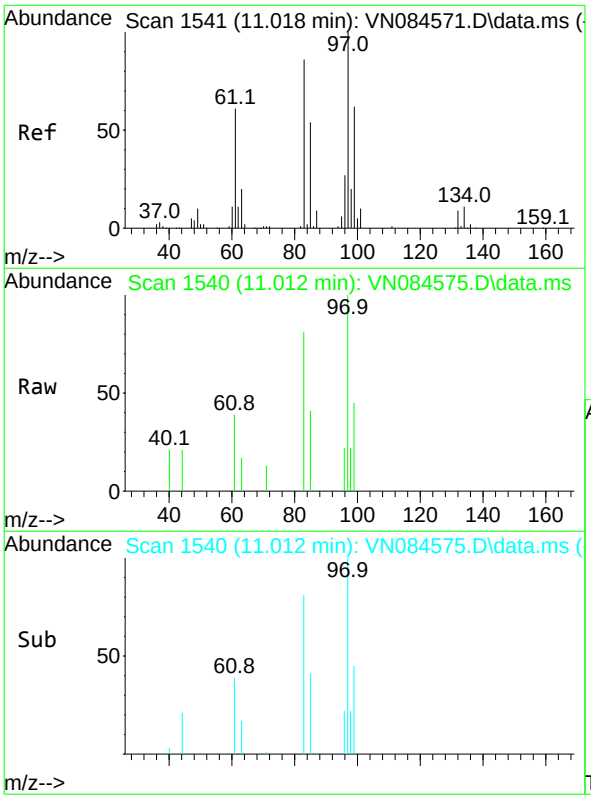
Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.2	36.2#
39	46.7	38.7	58.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

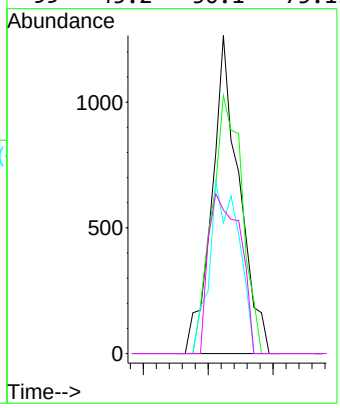
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

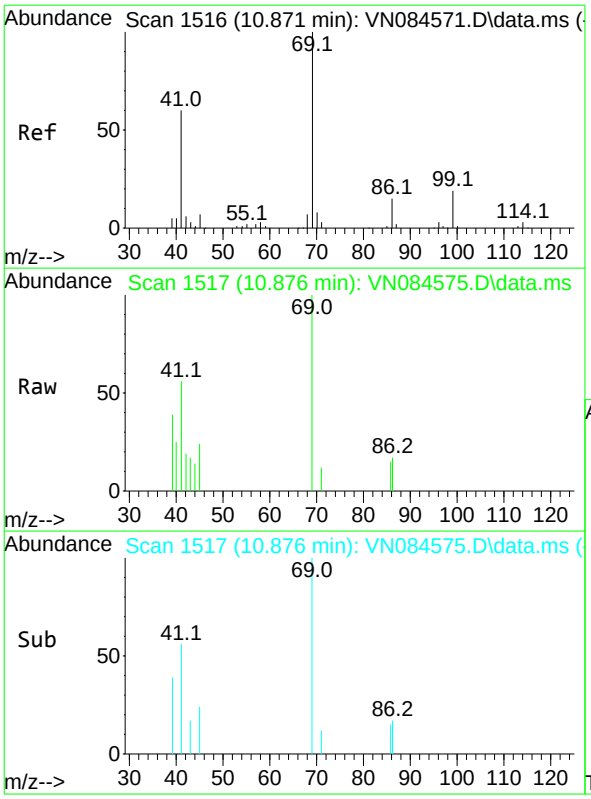


#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

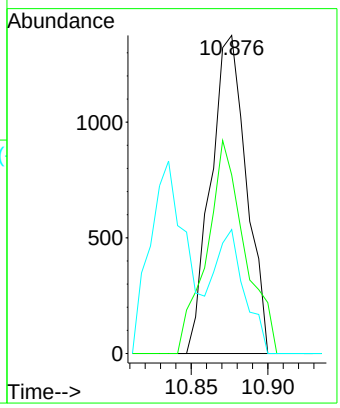




#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 69 Resp: 2211

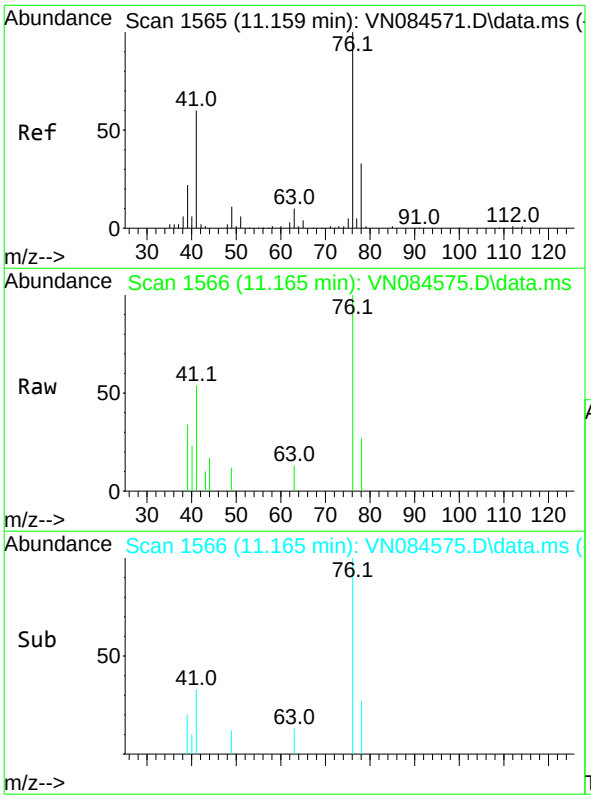
Ion	Ratio	Lower	Upper
69	100		
41	71.6	53.3	79.9
39	32.3	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

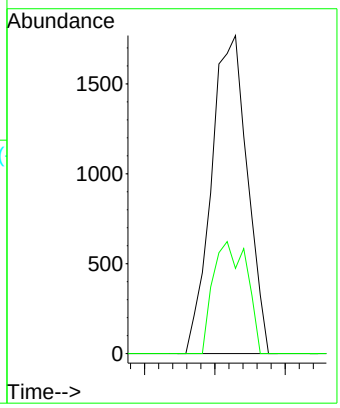
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

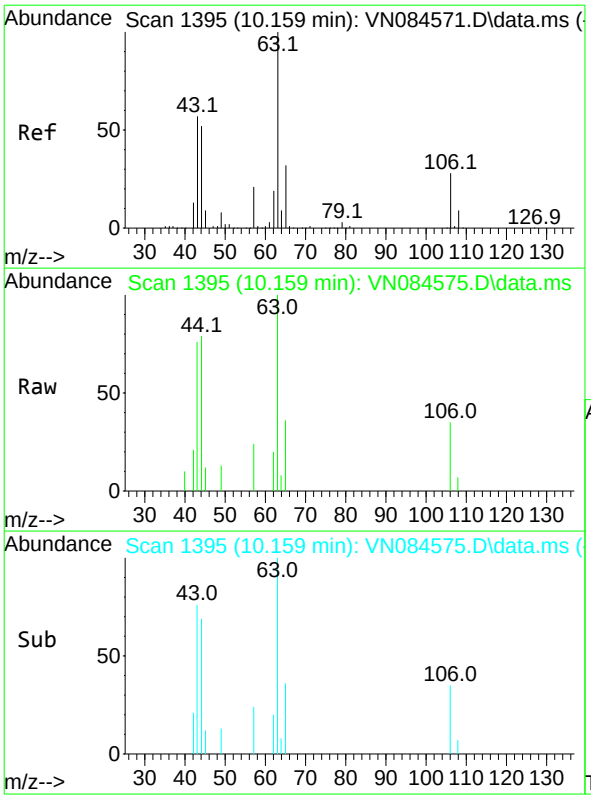


#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

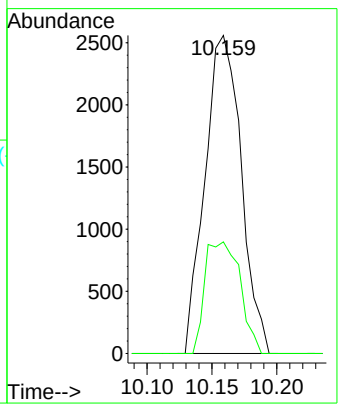
Tgt Ion: 63 Resp: 4979

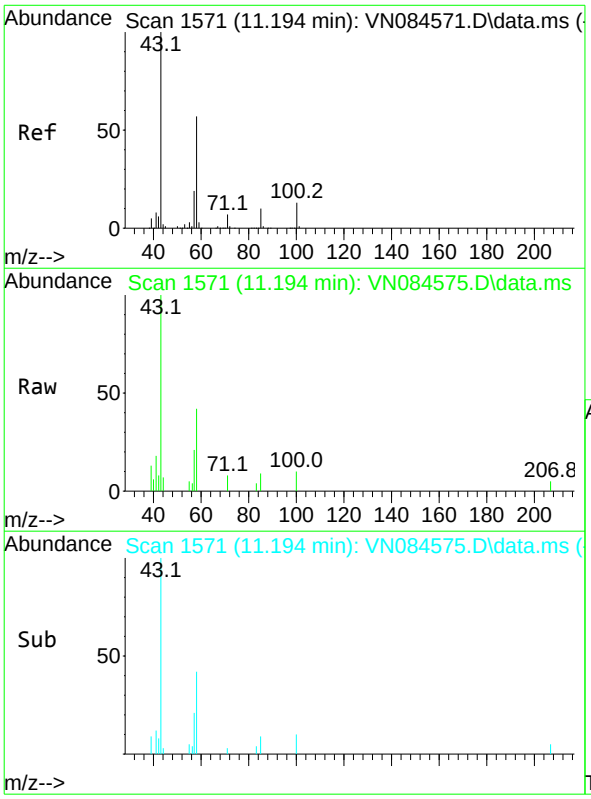
Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

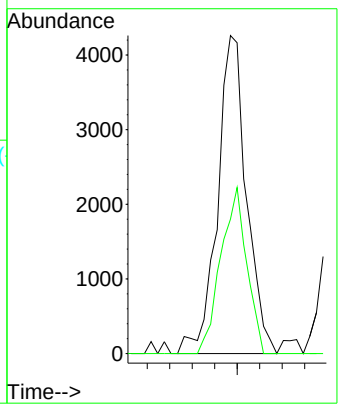


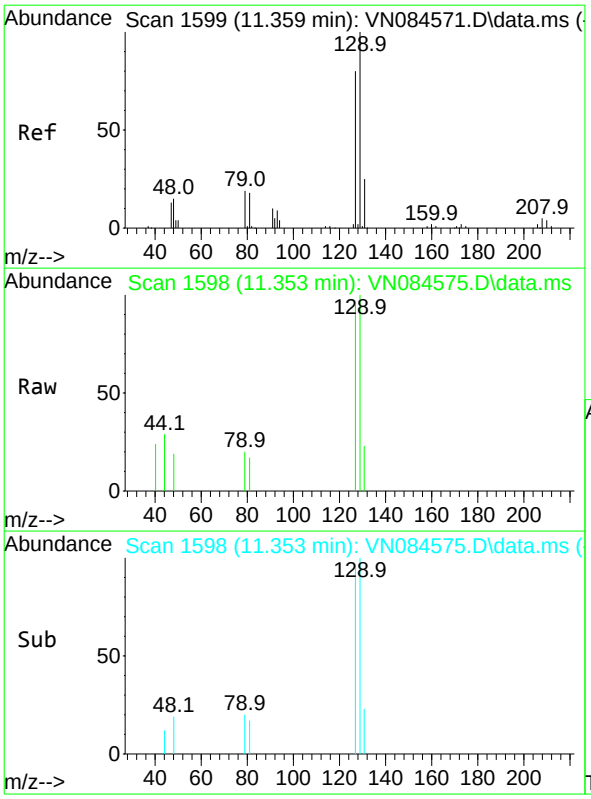


#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

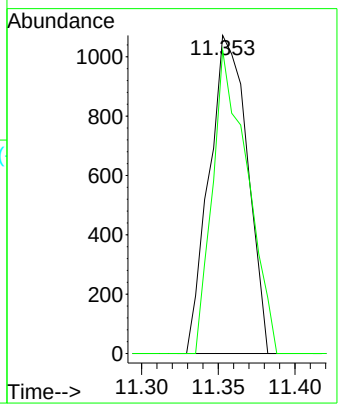




#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

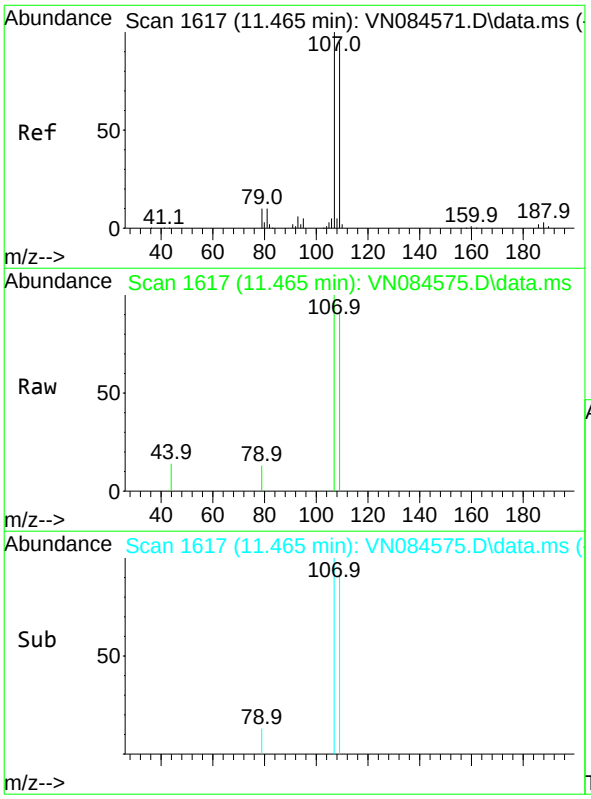
Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

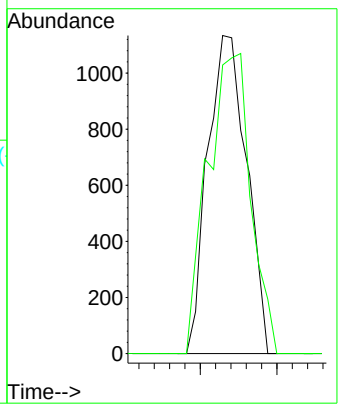
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

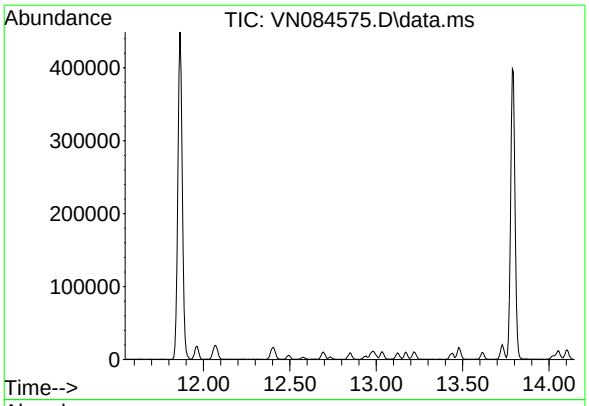


#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

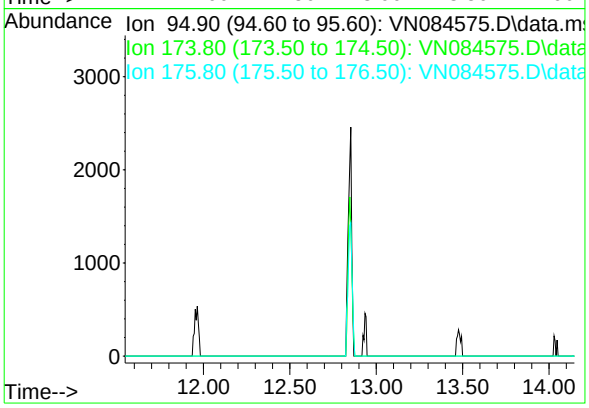
Tgt Ion: 95

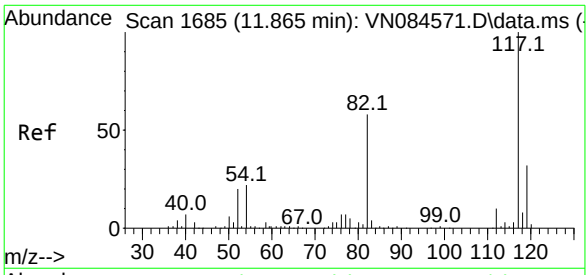
Sig	Exp Ratio
95	100
174	72.6
176	70.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

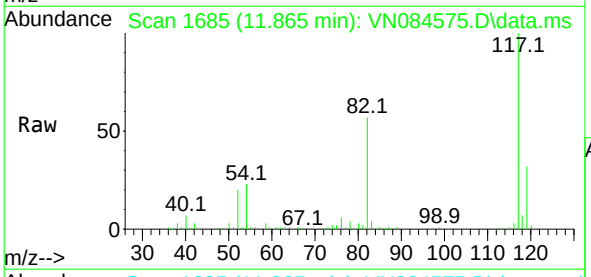


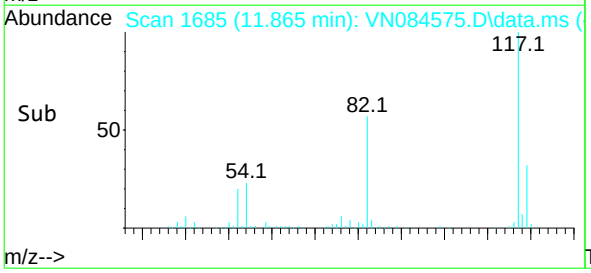


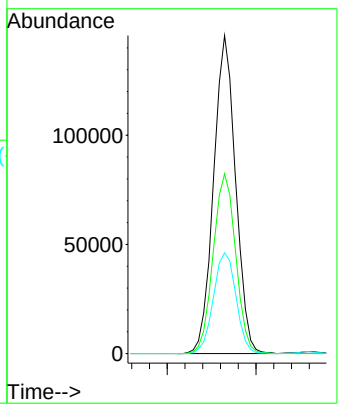
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

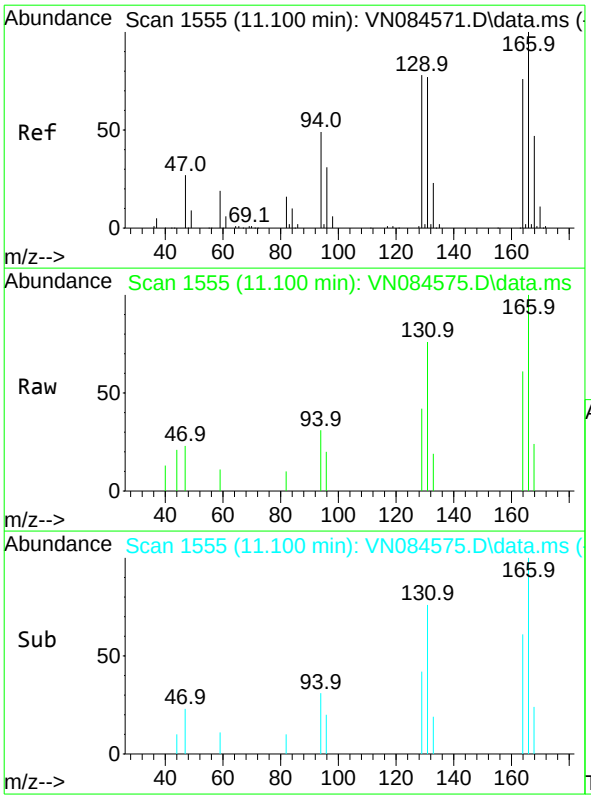
Tgt Ion:117 Resp: 250990

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.7	25.4	38.0





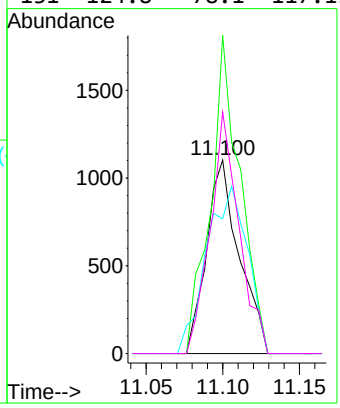




#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:164 Resp: 1629

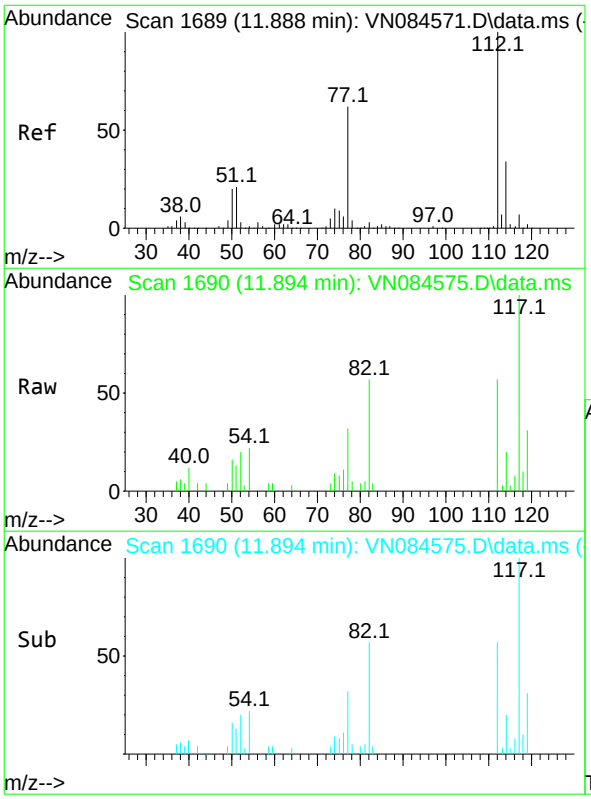
Ion	Ratio	Lower	Upper
164	100		
166	164.4	101.0	151.4#
129	69.6	80.8	121.2#
131	124.8	78.1	117.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

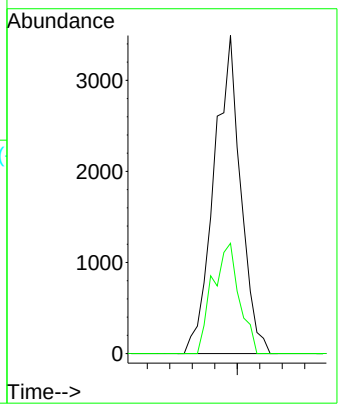
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

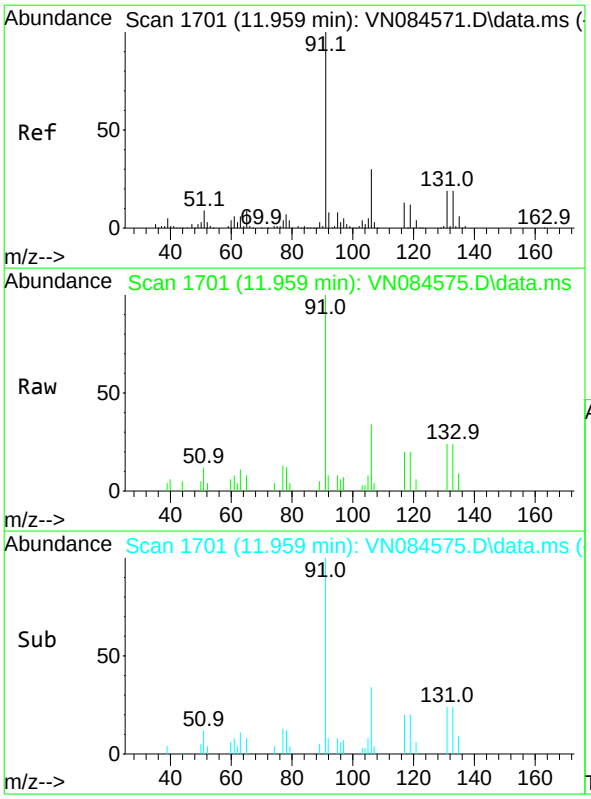


#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

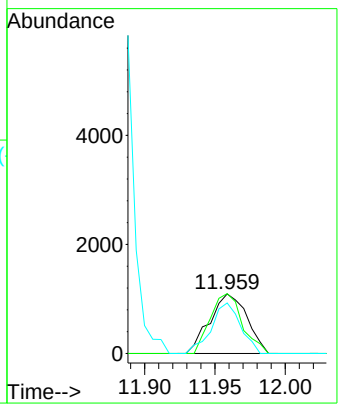




#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:131 Resp: 2002

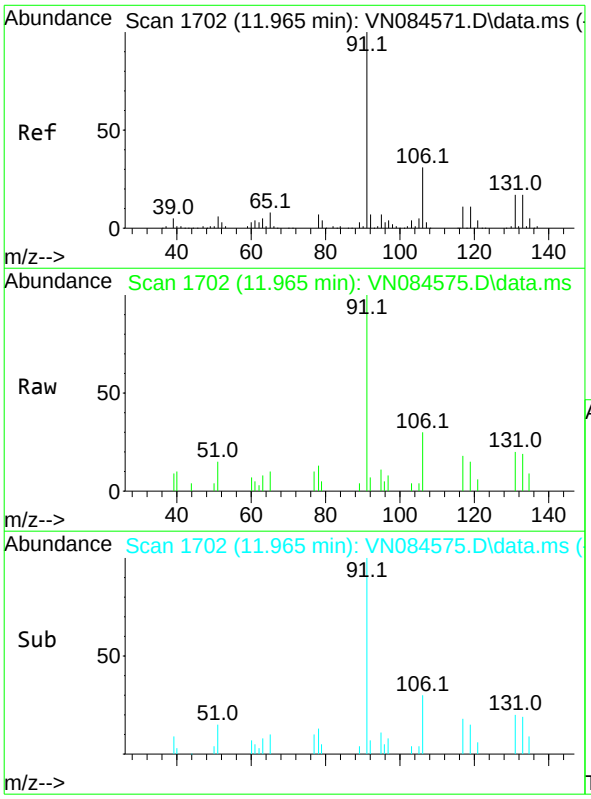
Ion	Ratio	Lower	Upper
131	100		
133	86.7	47.9	143.7
119	0.0	32.8	98.3#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

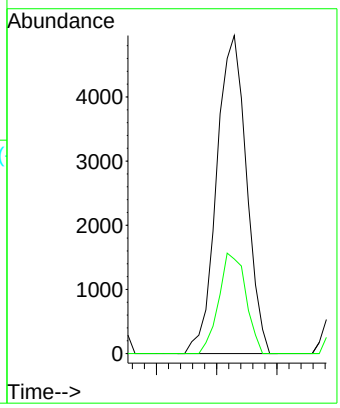
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

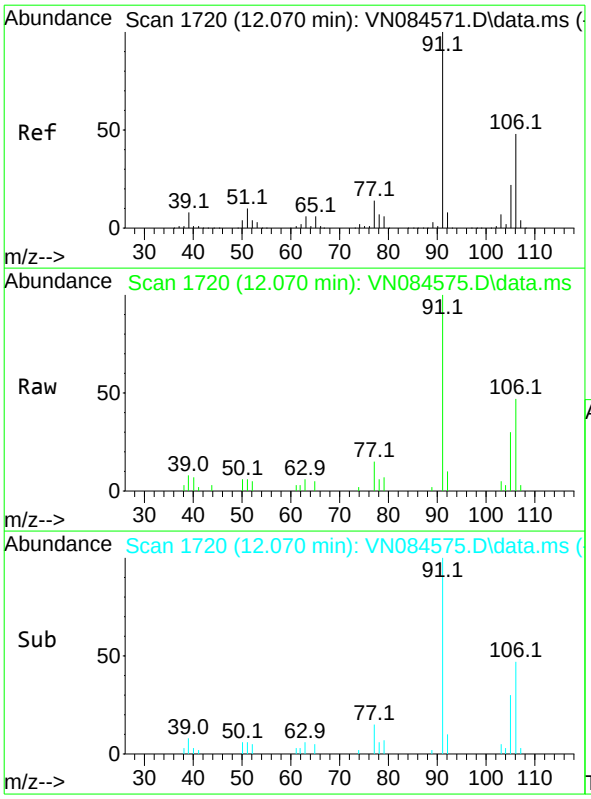


#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

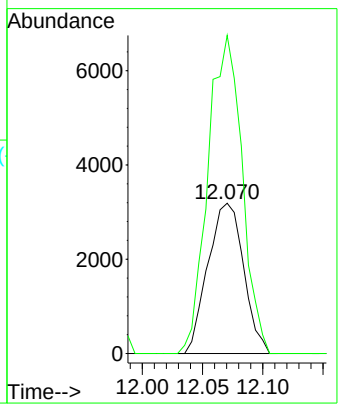




#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

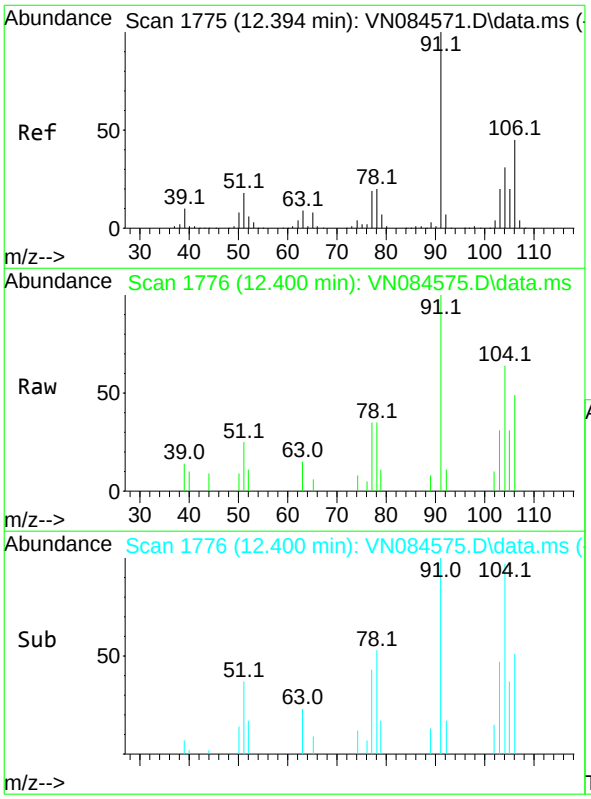
Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

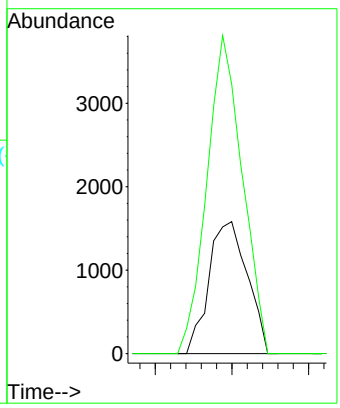
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

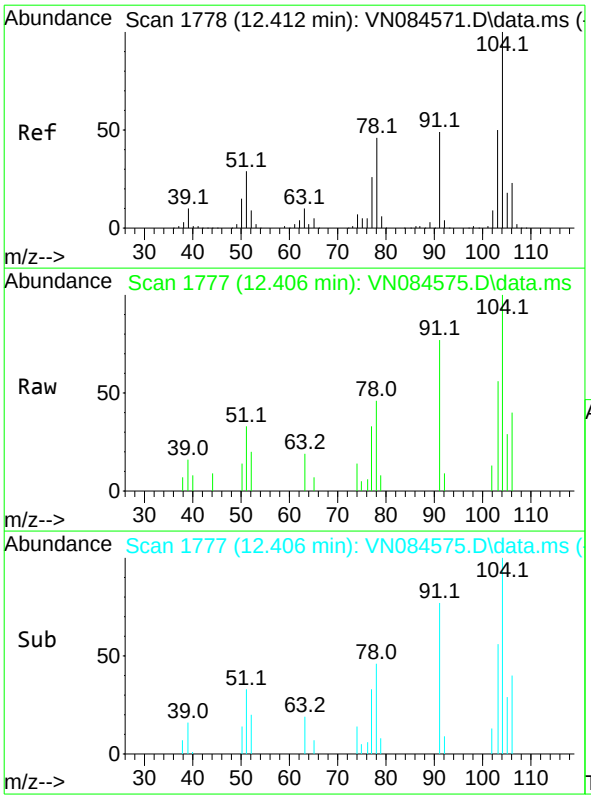


#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

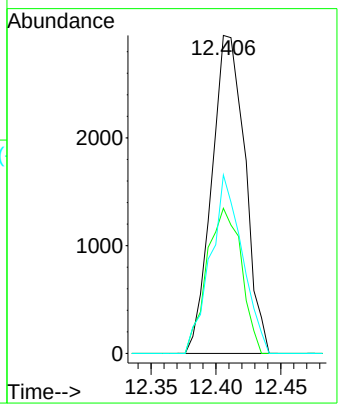




#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:104 Resp: 5269

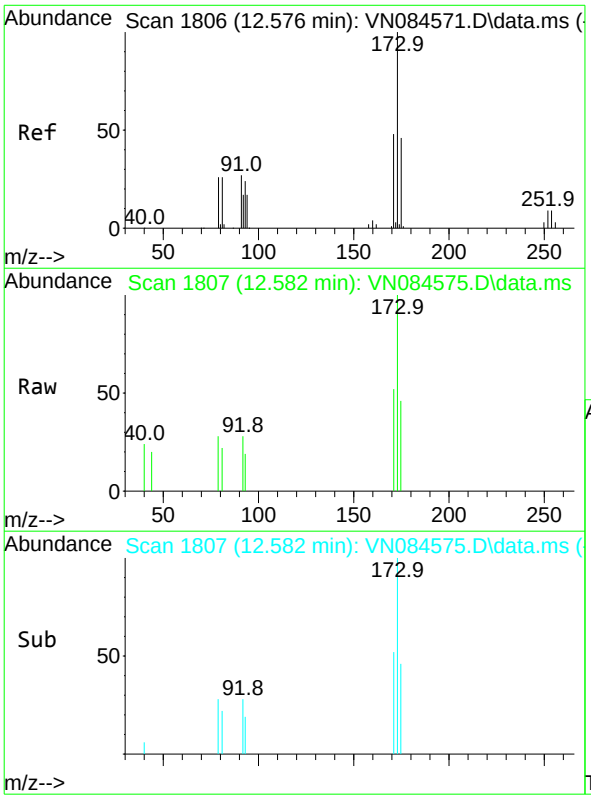
Ion	Ratio	Lower	Upper
104	100		
78	47.3	42.7	64.1
103	53.6	43.6	65.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

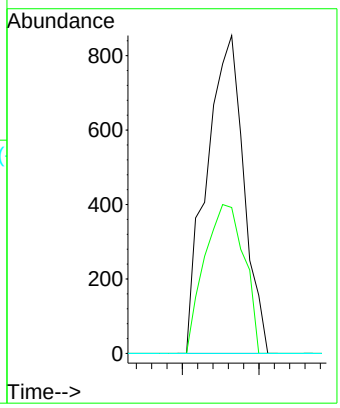
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

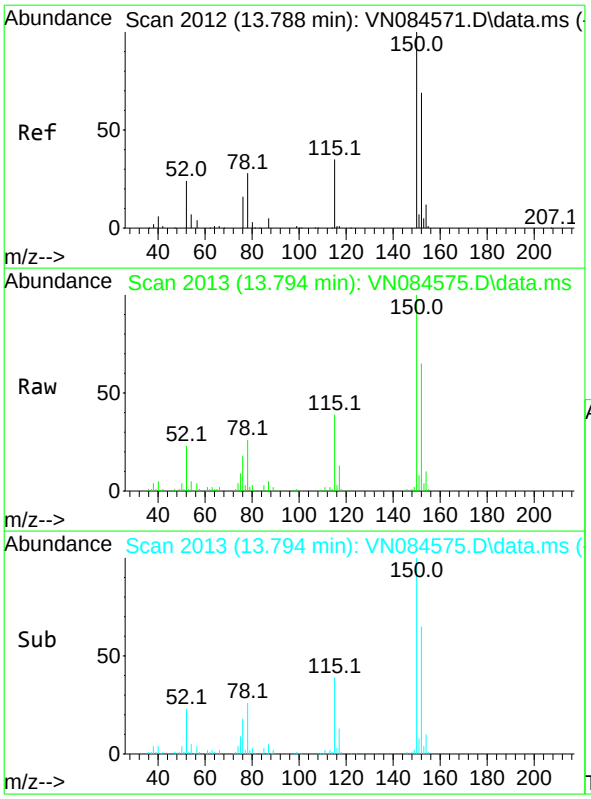


#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

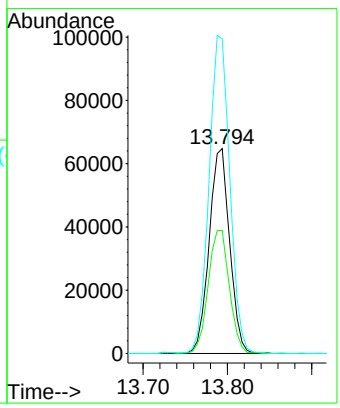




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:152 Resp: 109560

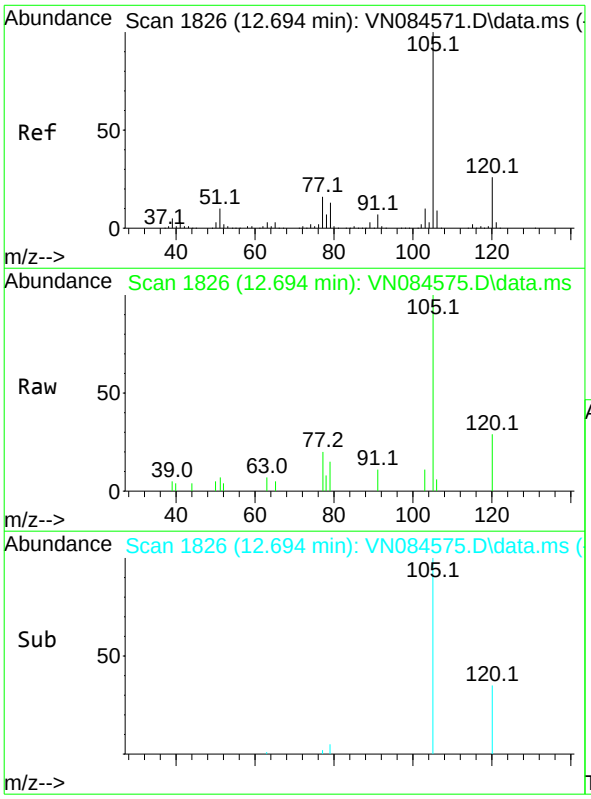
Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	157.6	0.0	349.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

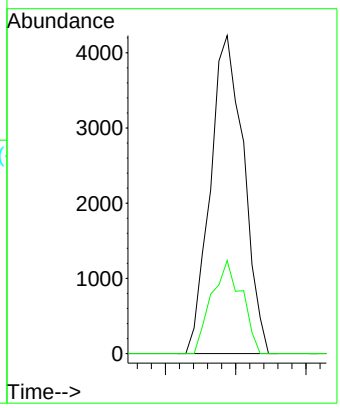
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

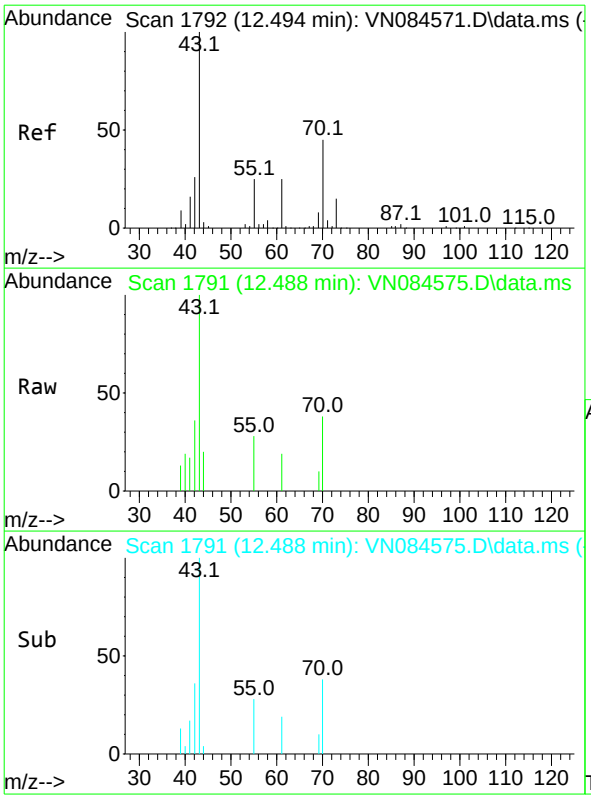


#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

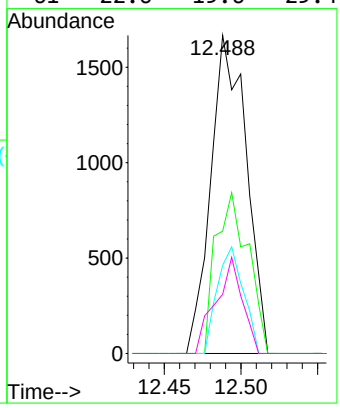




#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2680

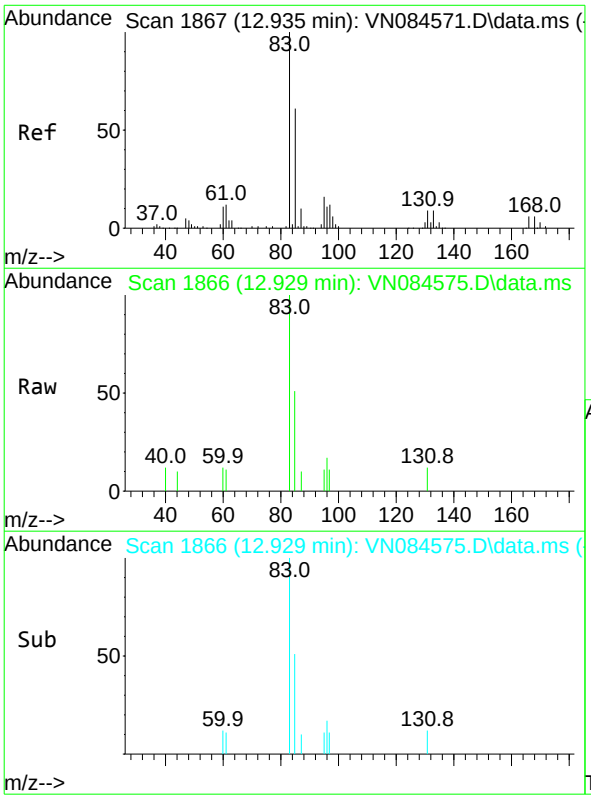
Ion	Ratio	Lower	Upper
43	100		
70	45.9	34.4	51.6
55	24.7	19.6	29.4
61	22.6	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

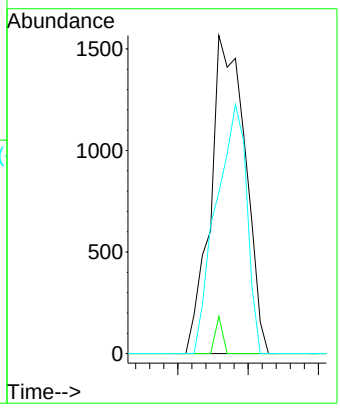
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

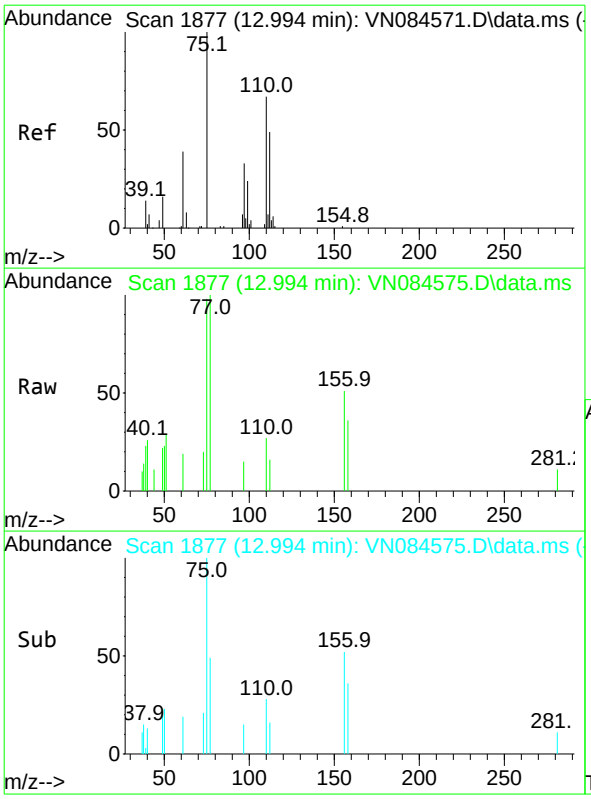


#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

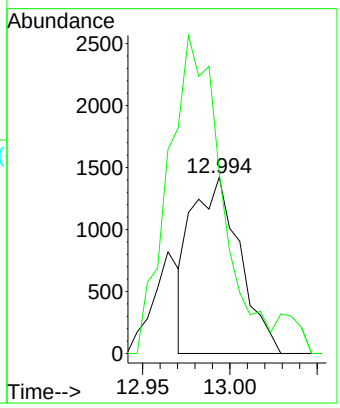




#76
1,2,3-Trichloropropane
Concen: 1.263 ug/l m
RT: 12.994 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 2731

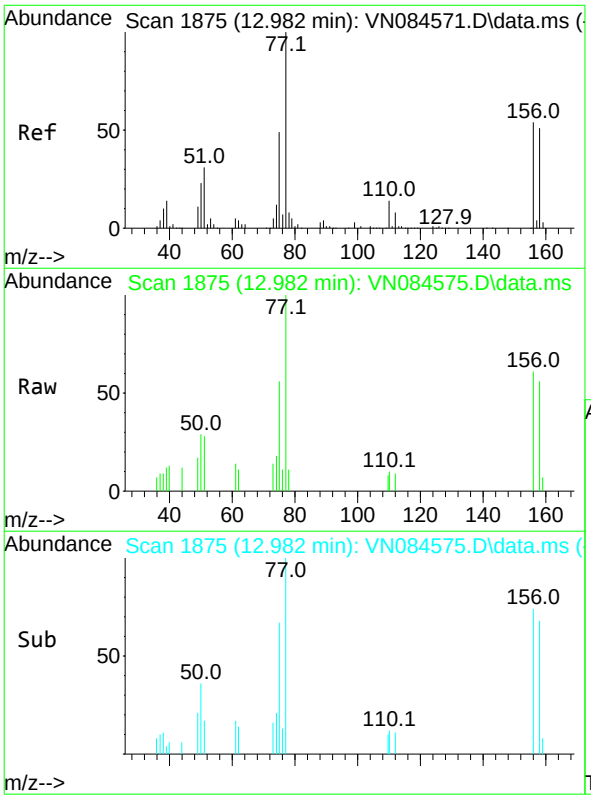
Ion	Ratio	Lower	Upper
75	100		
77	199.6	96.9	290.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

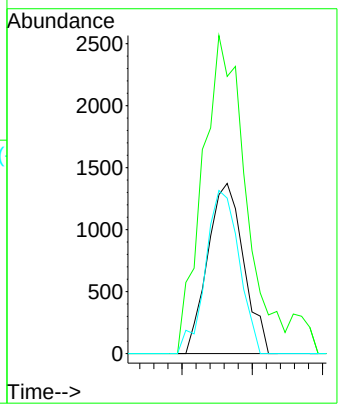
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

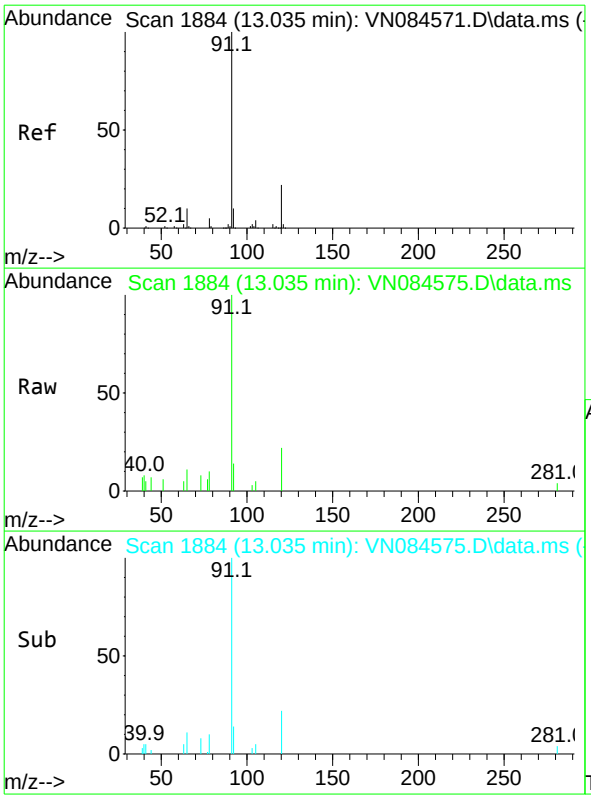


#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

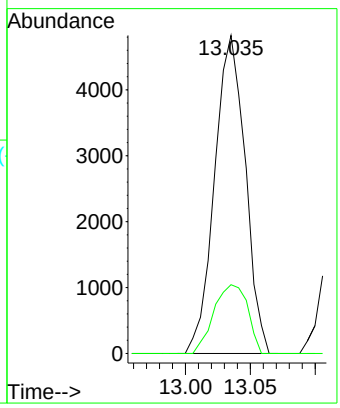
Tgt Ion: 91 Resp: 7935

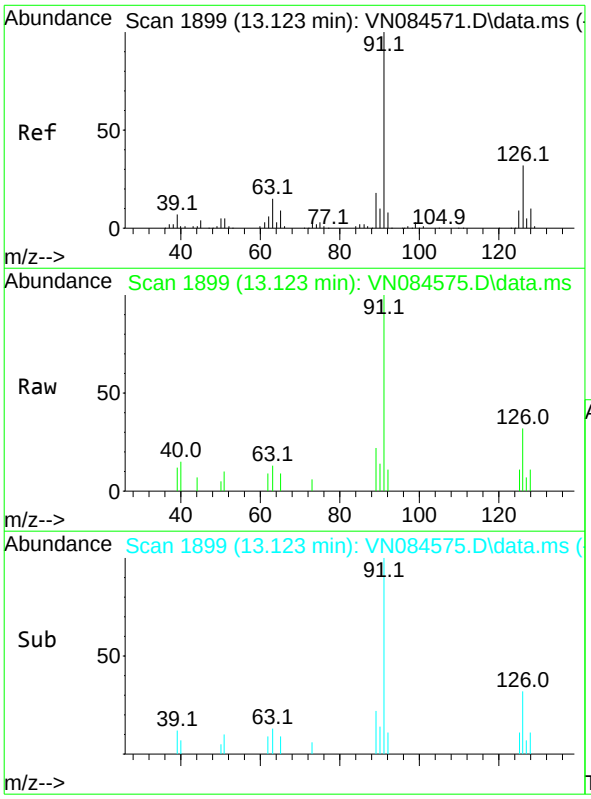
Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

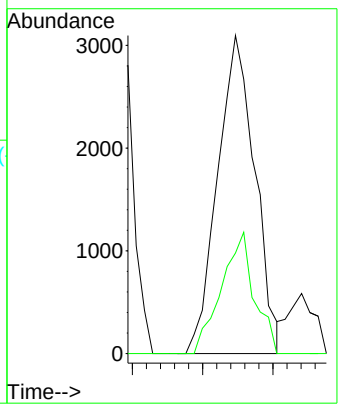


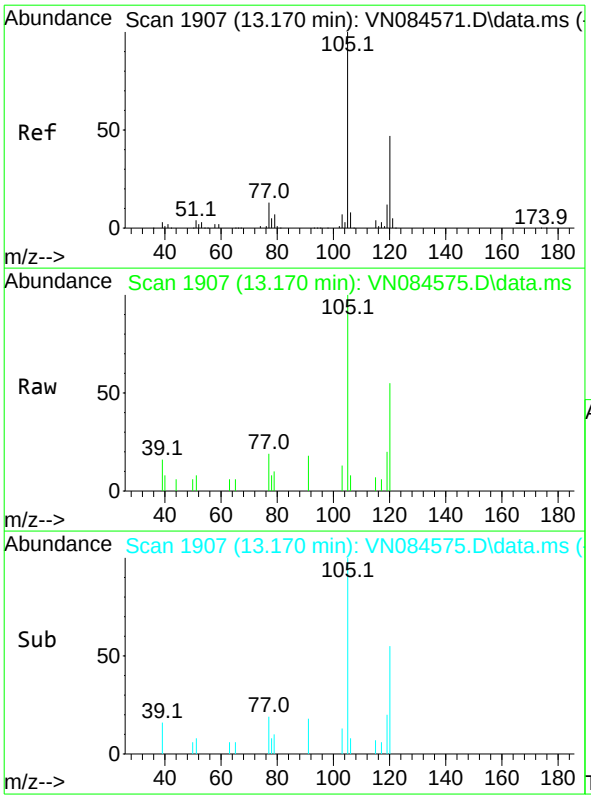


#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

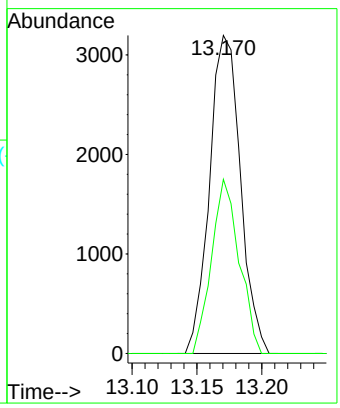




#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

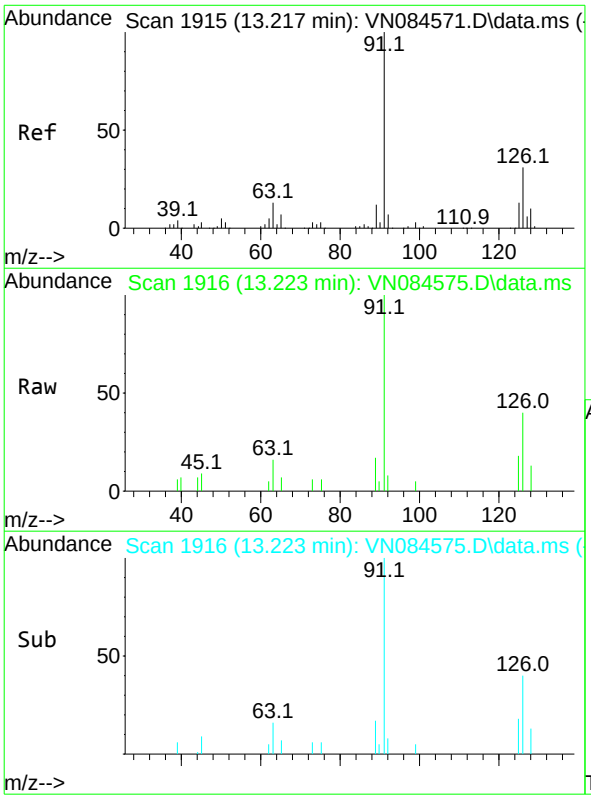
Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

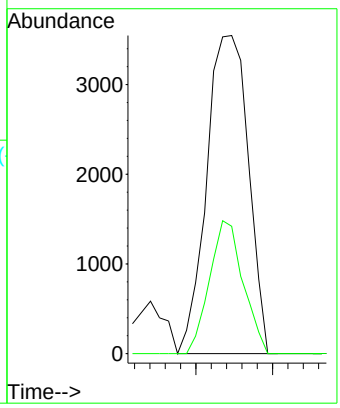
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

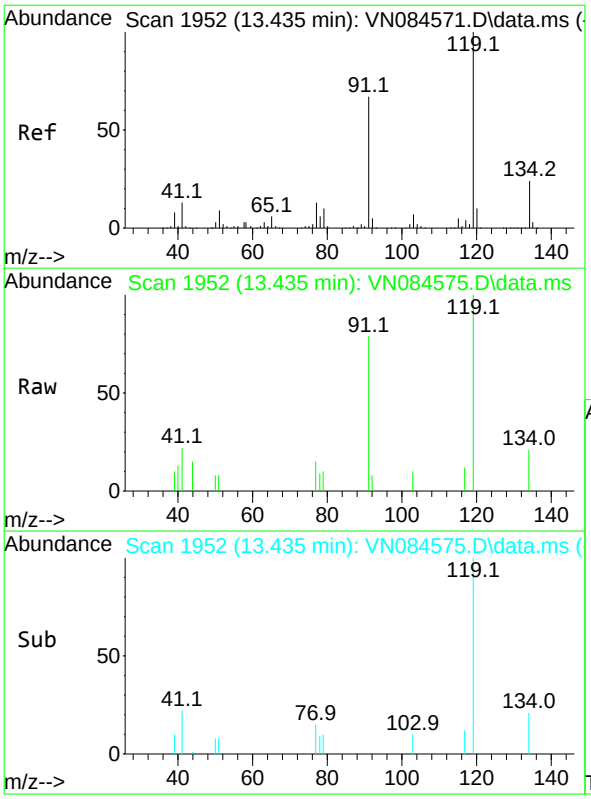


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

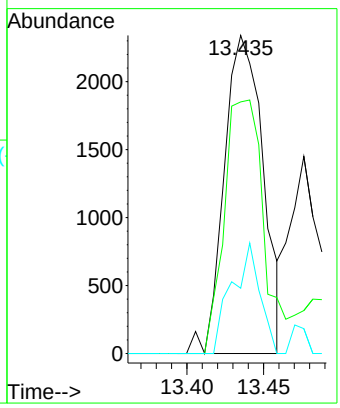




#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:119 Resp: 4148

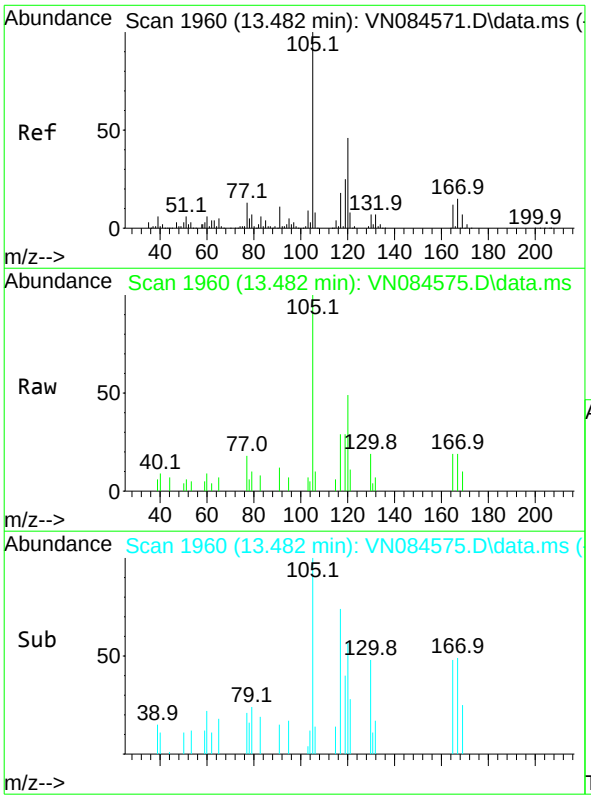
Ion	Ratio	Lower	Upper
119	100		
91	79.8	34.1	102.3
134	24.9	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

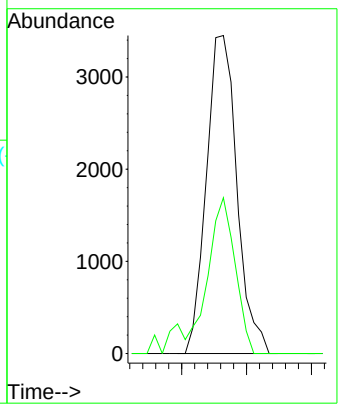
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

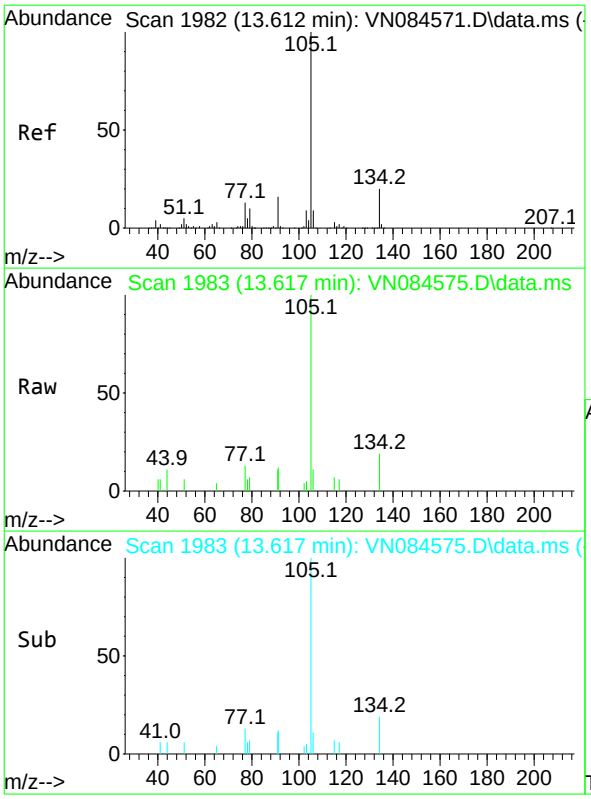


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8

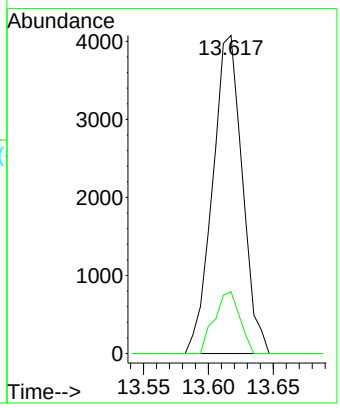




#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 6490

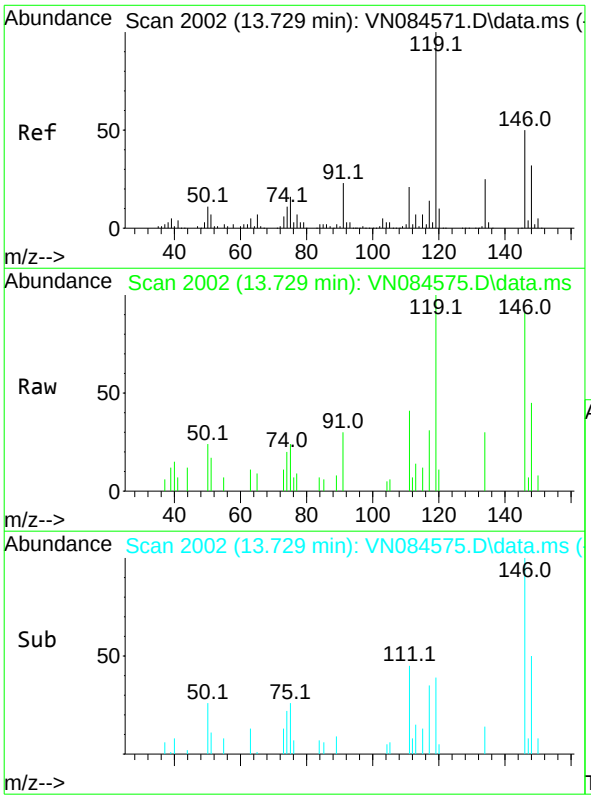
Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

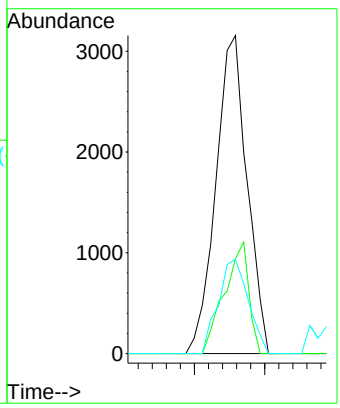
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

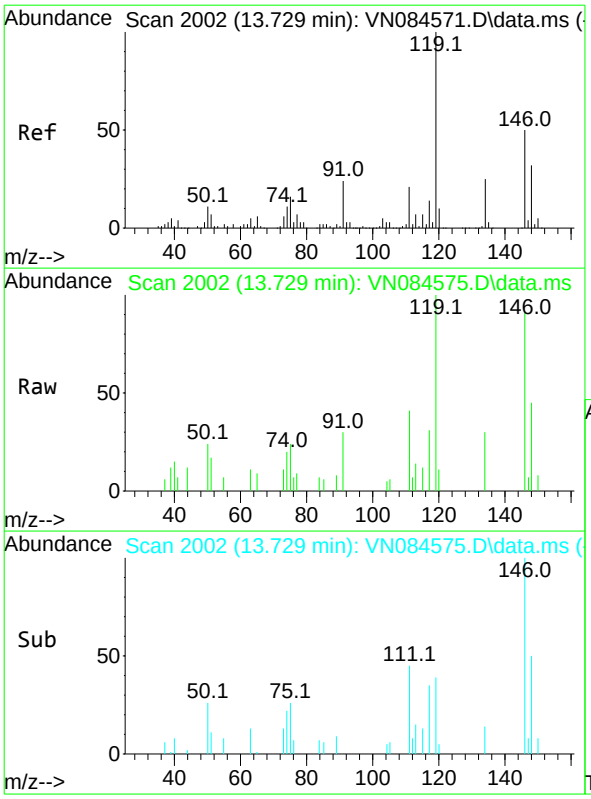


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

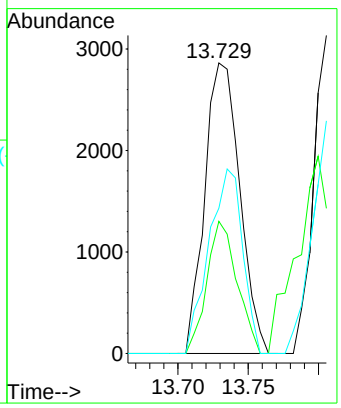
Tgt Ion:146 Resp: 4961

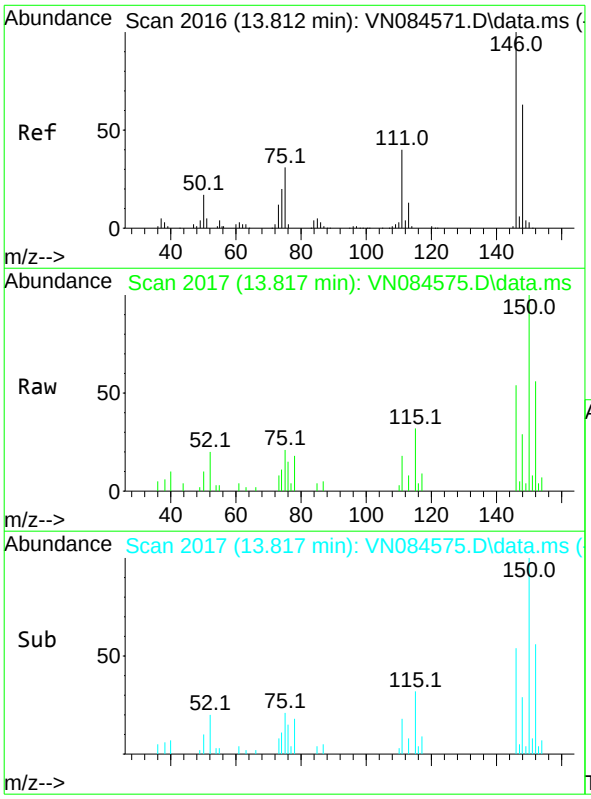
Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.8	65.3
148	61.2	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

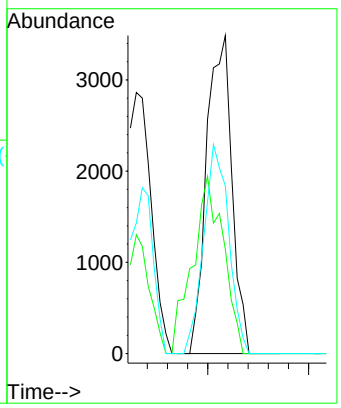


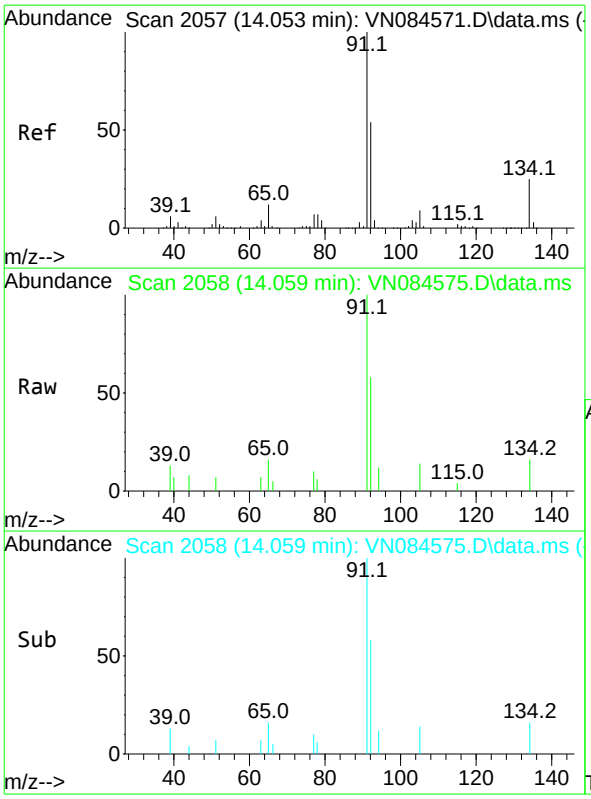


#88
1,4-Dichlorobenzene
Concen: 0.801 ug/l m
RT: 13.817 min Scan# 2017
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

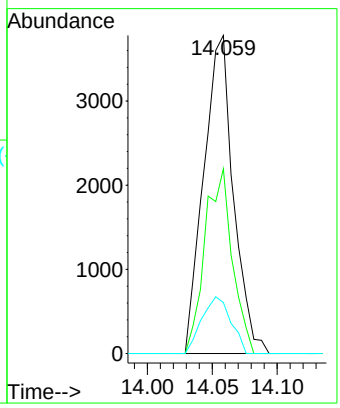




#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6020

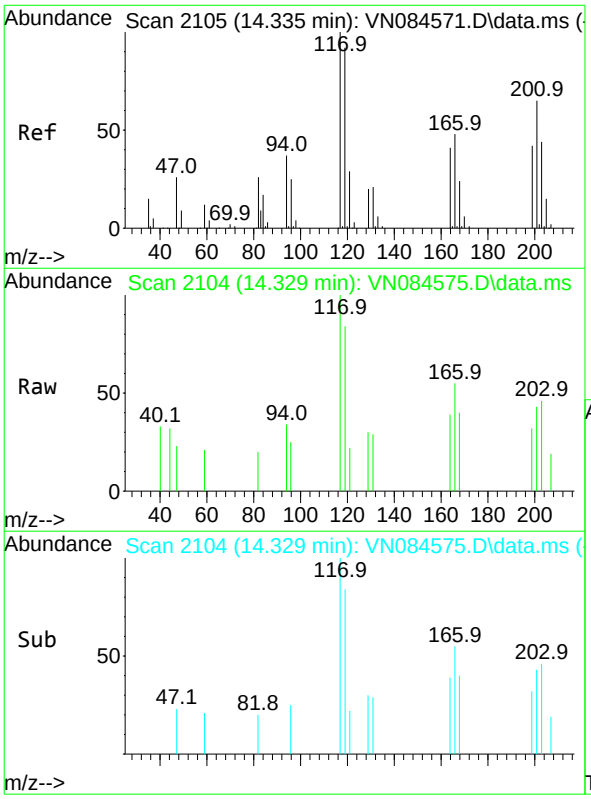
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.6	79.7
134	17.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

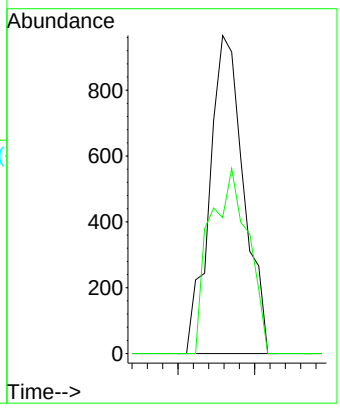
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

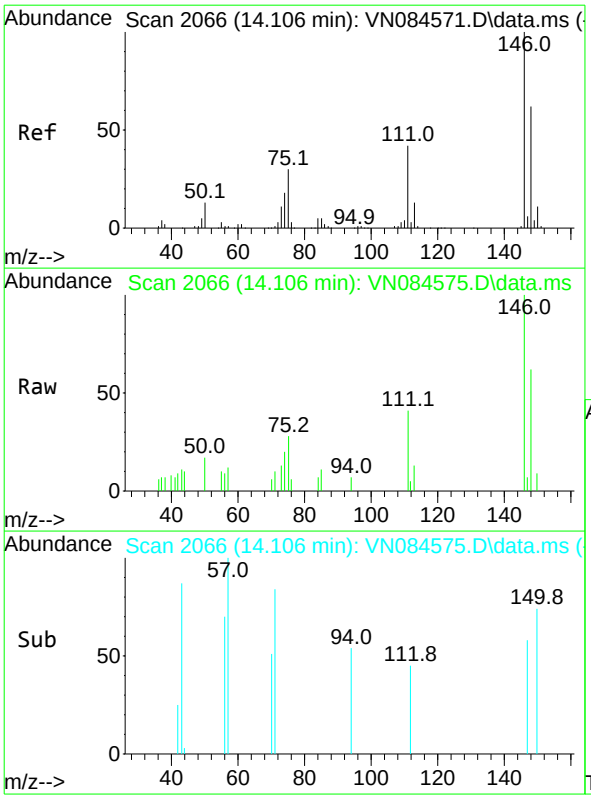


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2

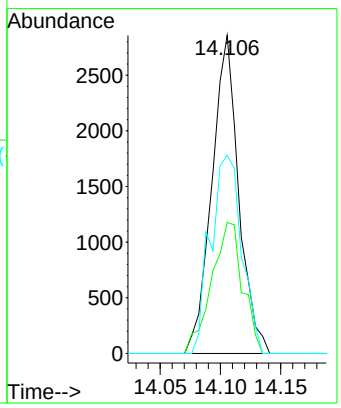




#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:146 Resp: 4428

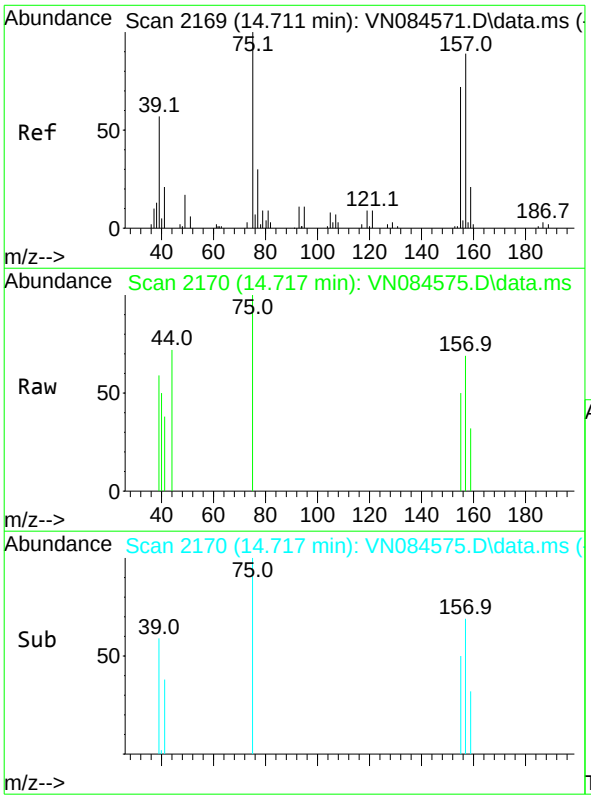
Ion	Ratio	Lower	Upper
146	100		
111	47.8	22.0	66.0
148	72.3	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

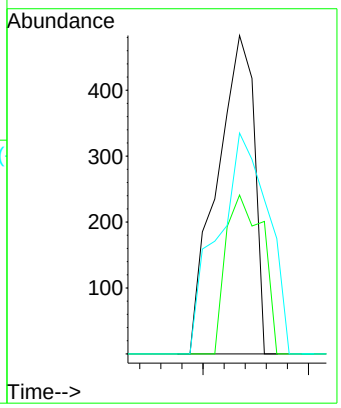
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

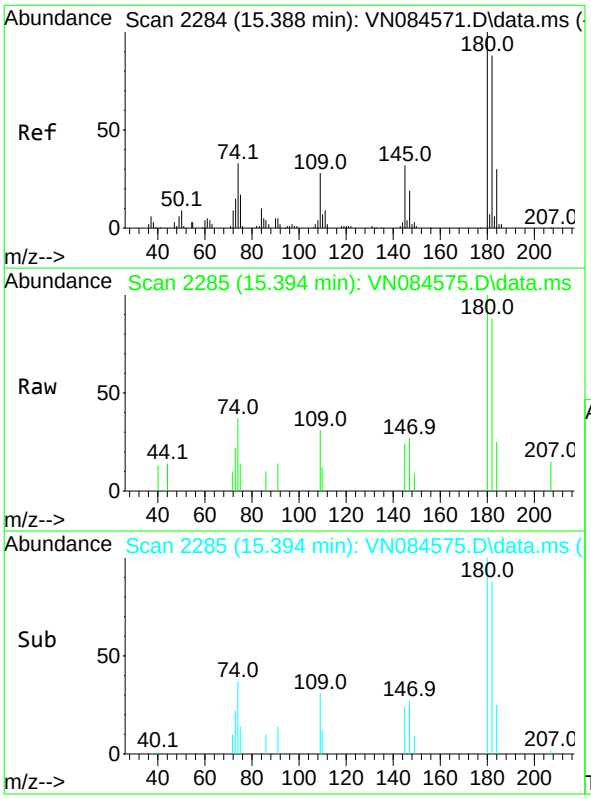


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

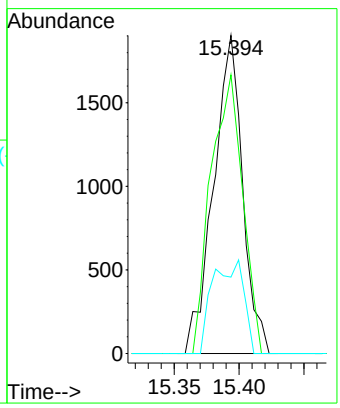




#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:180 Resp: 2964

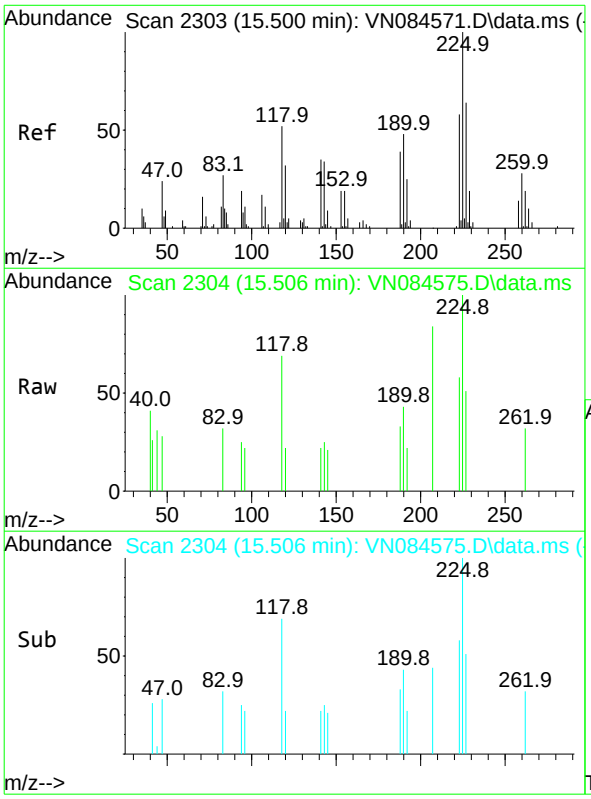
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.0	141.0
145	31.3	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

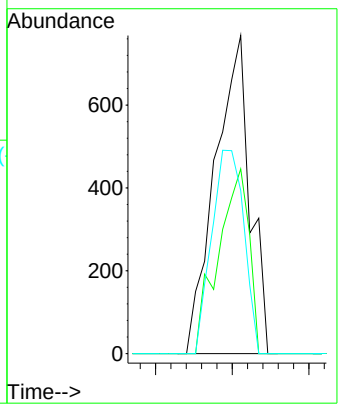
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

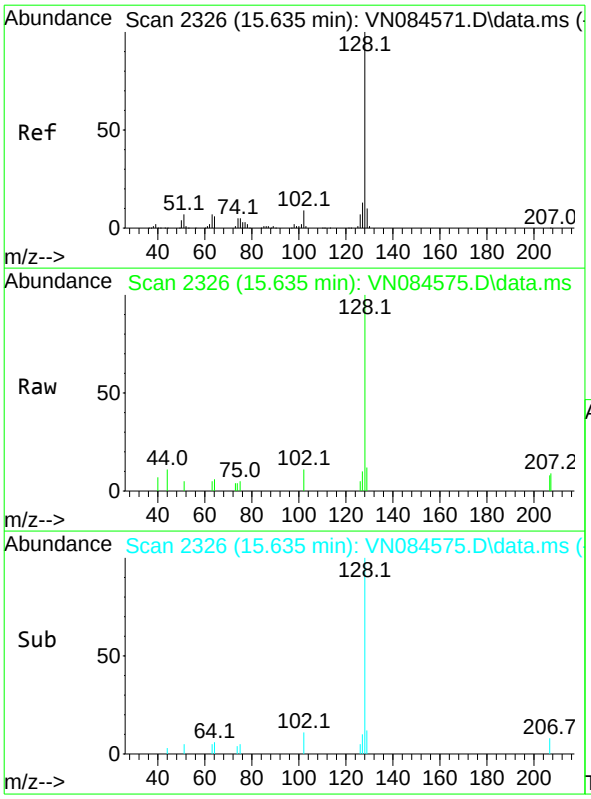


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

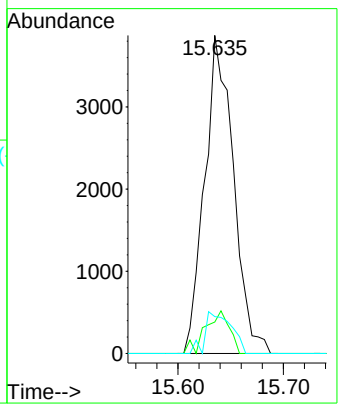




#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:128 Resp: 7352

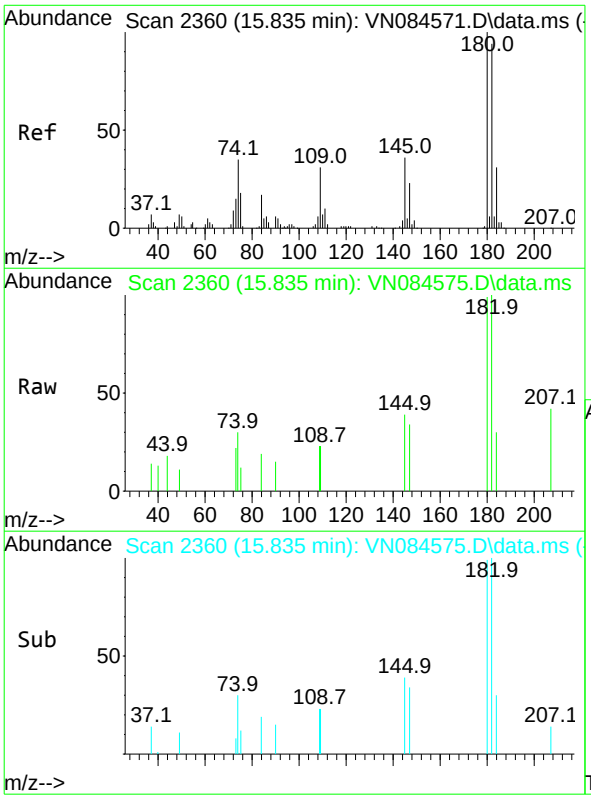
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.8	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

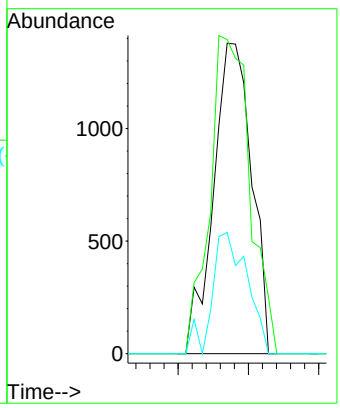
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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



ICAL Form

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

ICAL Form

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

Manual Integrations APPROVED

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

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

ICAL Form

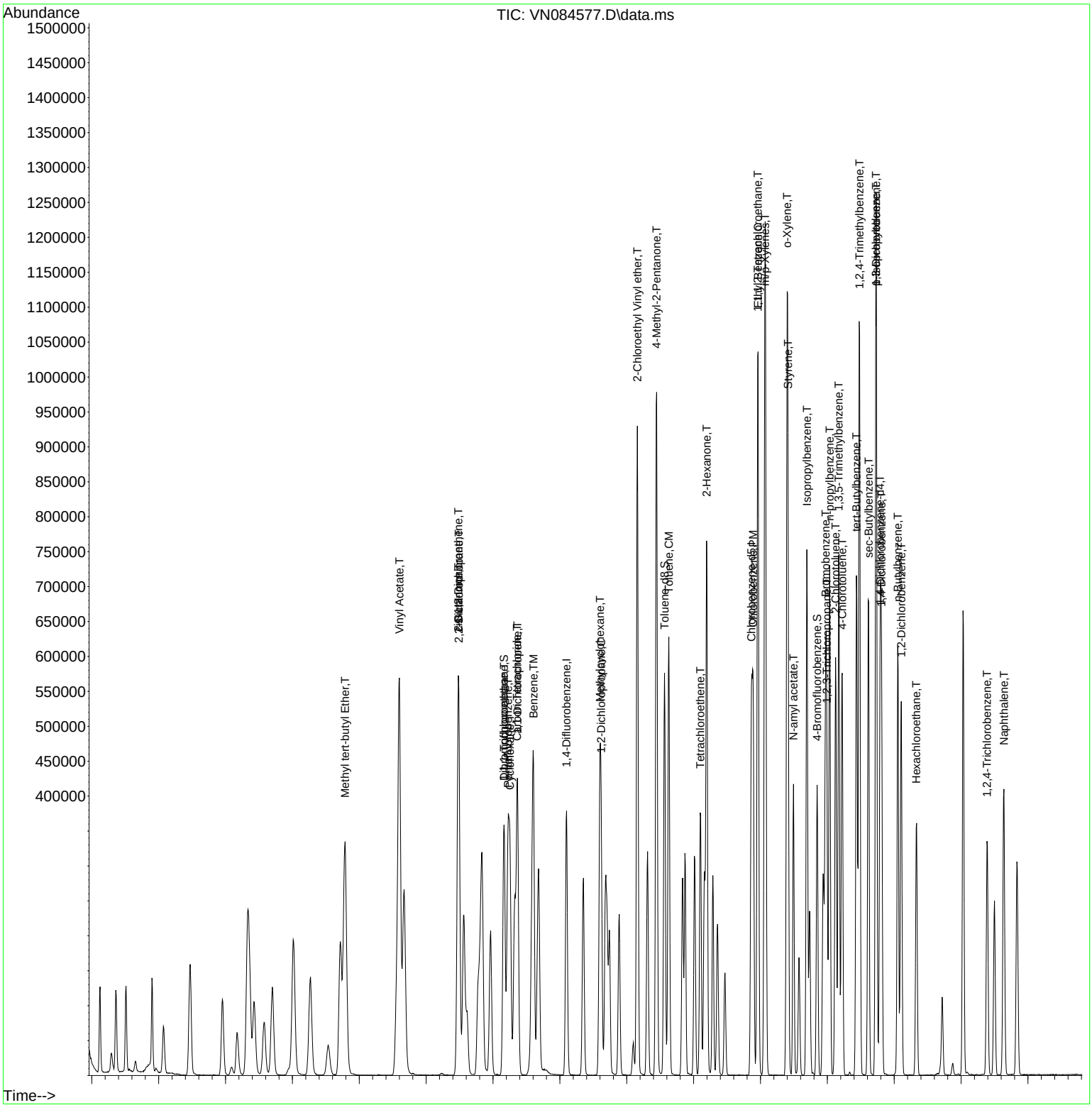
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

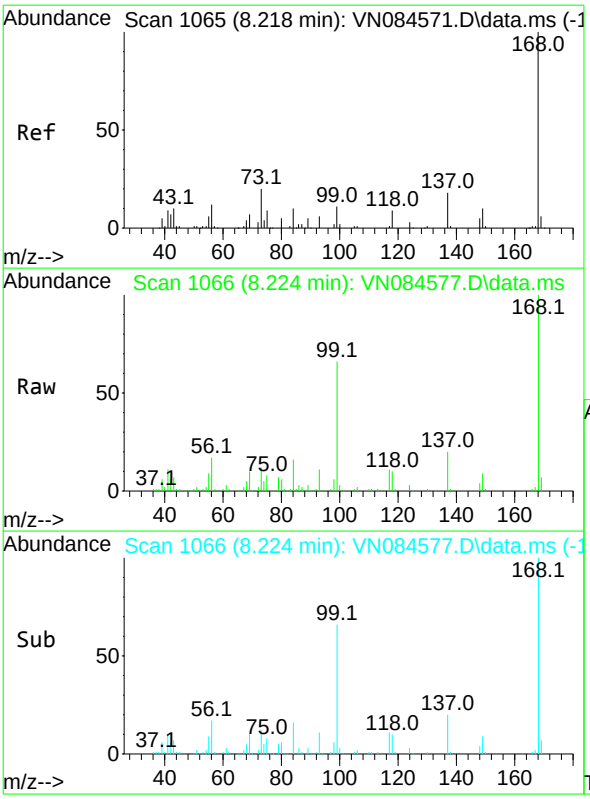
Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

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

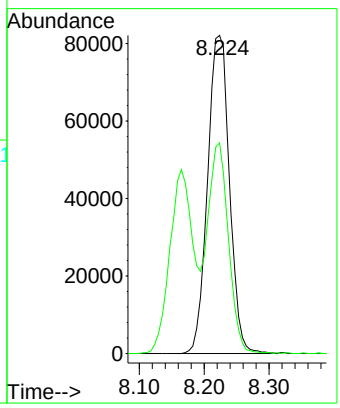




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:168 Resp: 192202

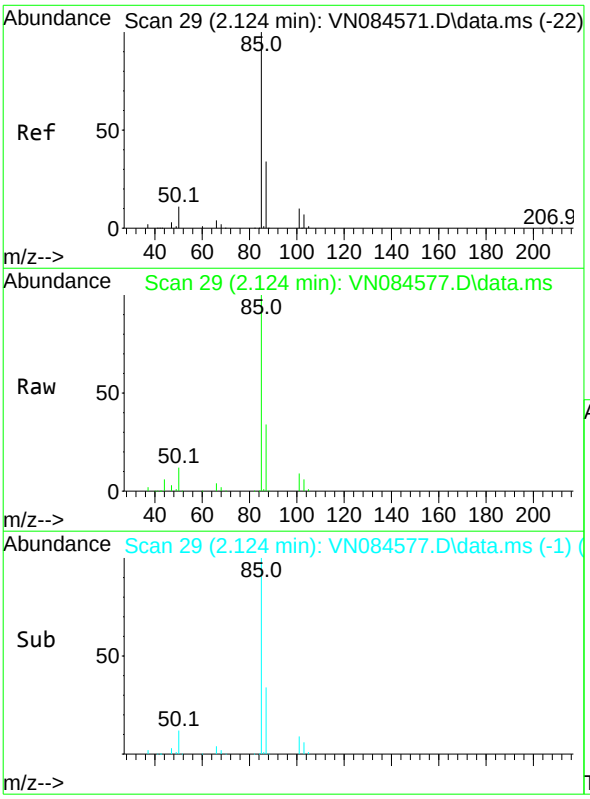
Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

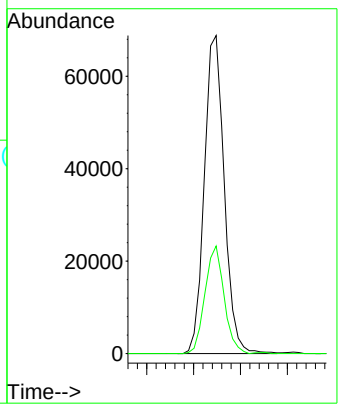
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

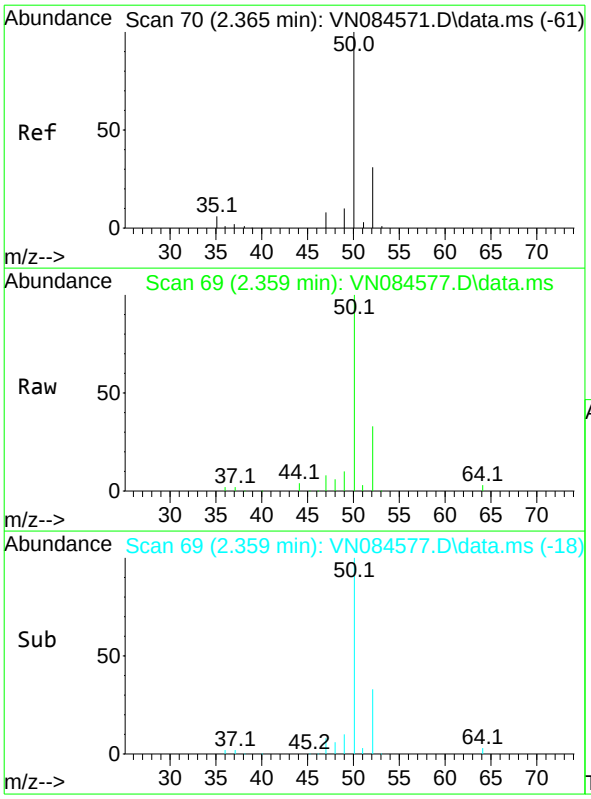


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9

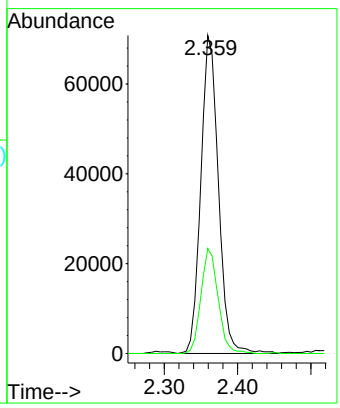




#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 50 Resp: 118060

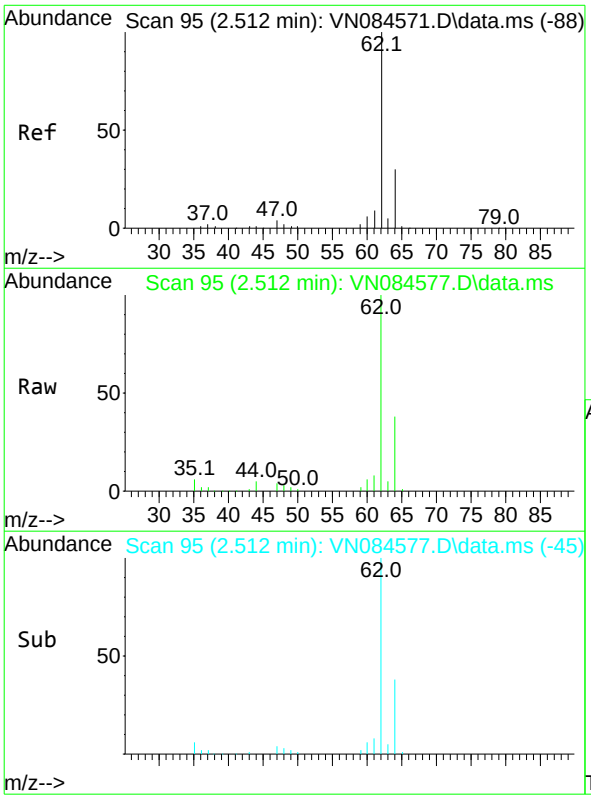
Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

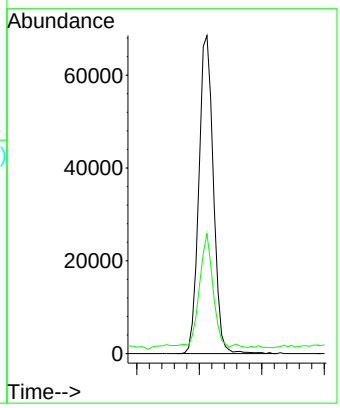
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

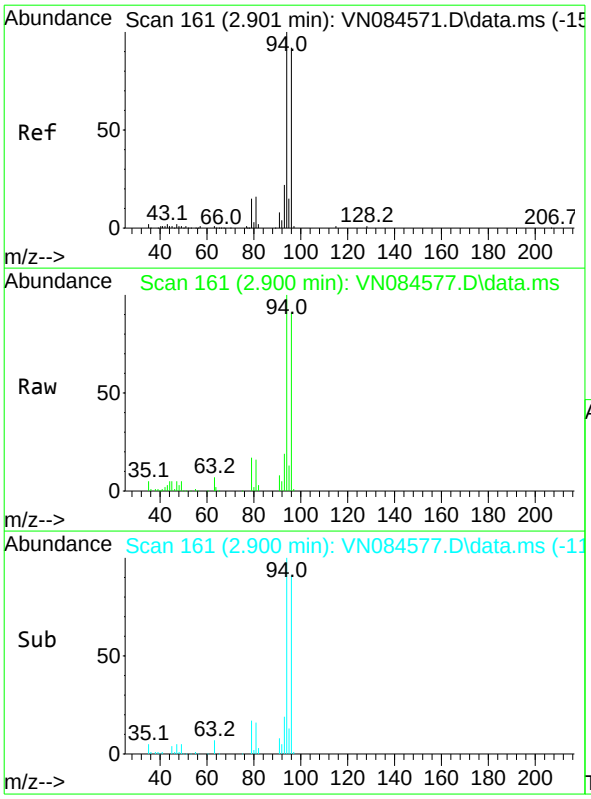


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4

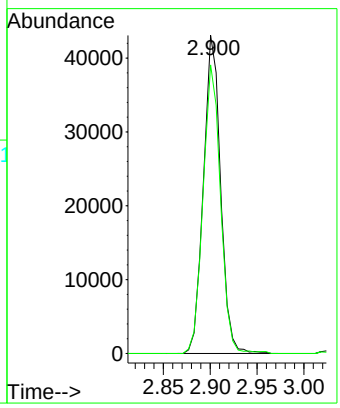




#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 94 Resp: 54764

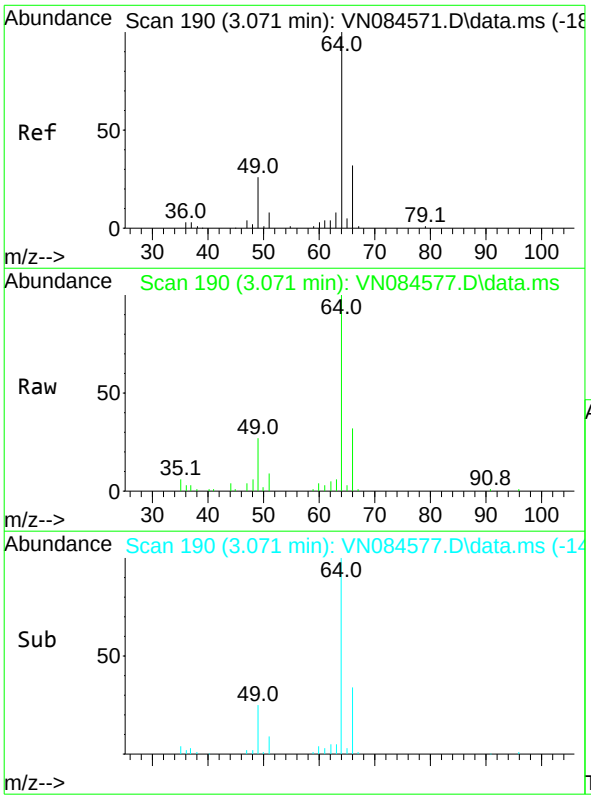
Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

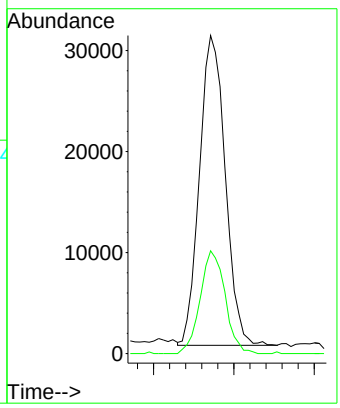
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

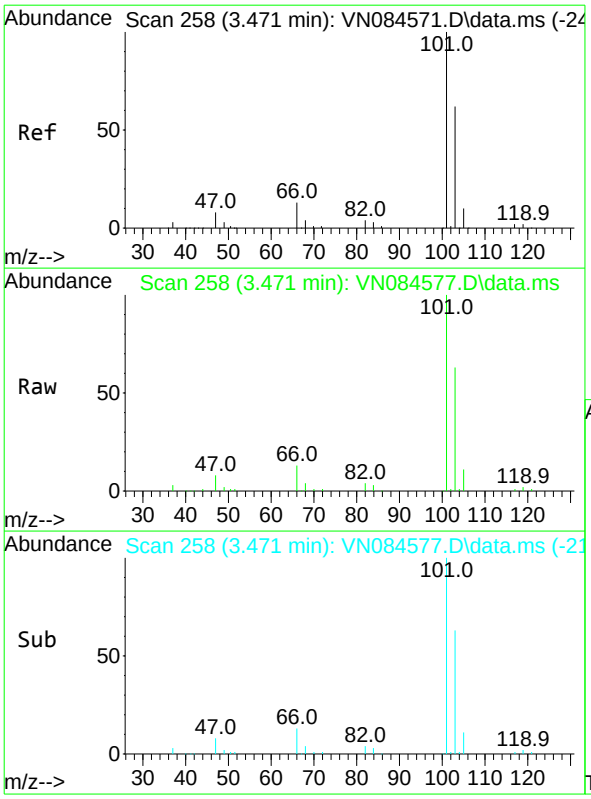


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3

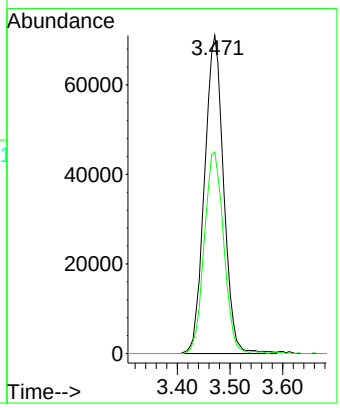




#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 178683

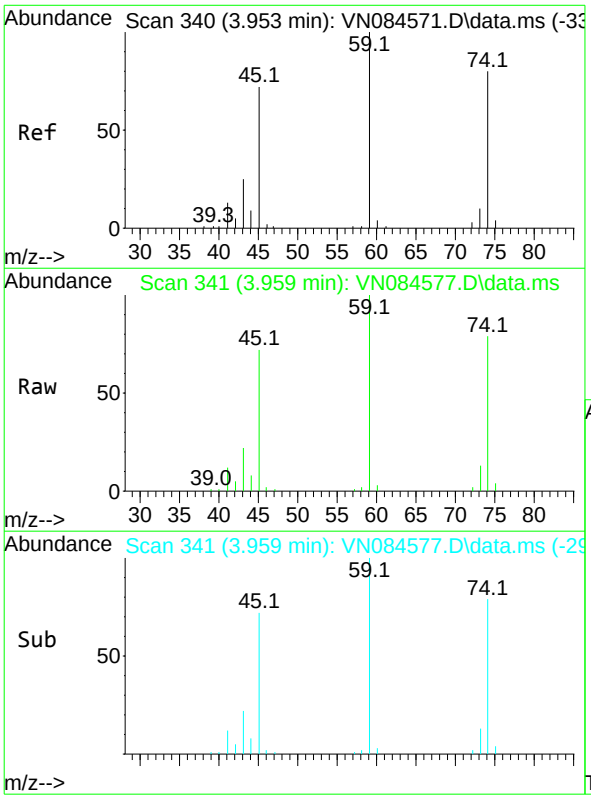
Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

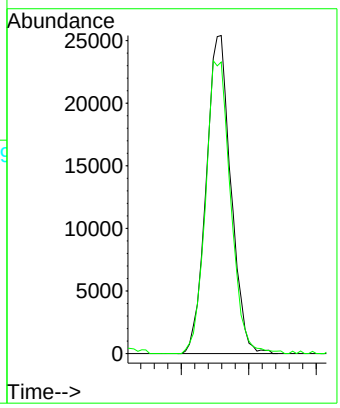
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

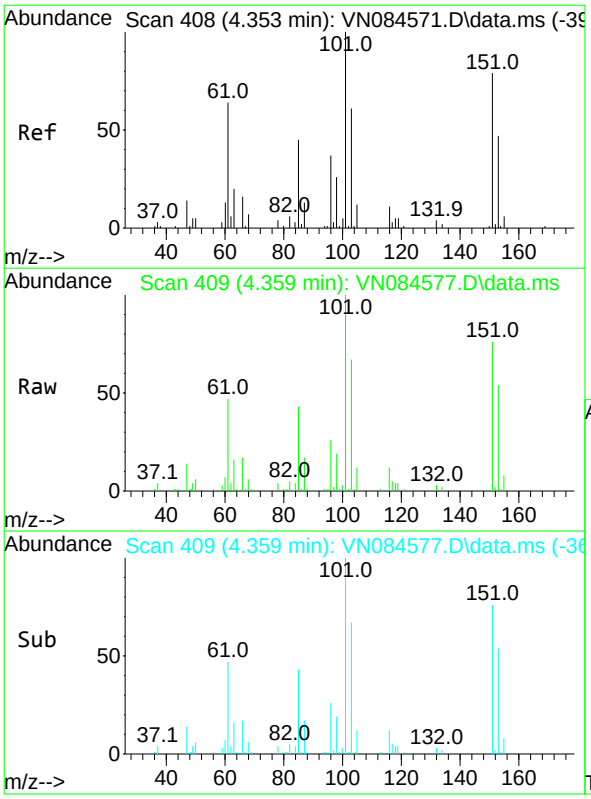


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1

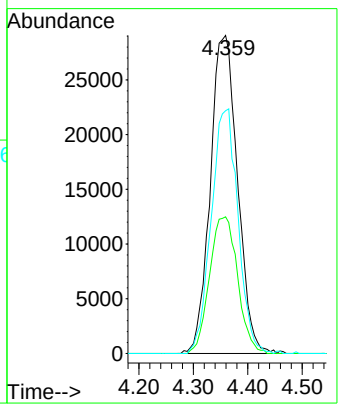




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:101 Resp: 101094

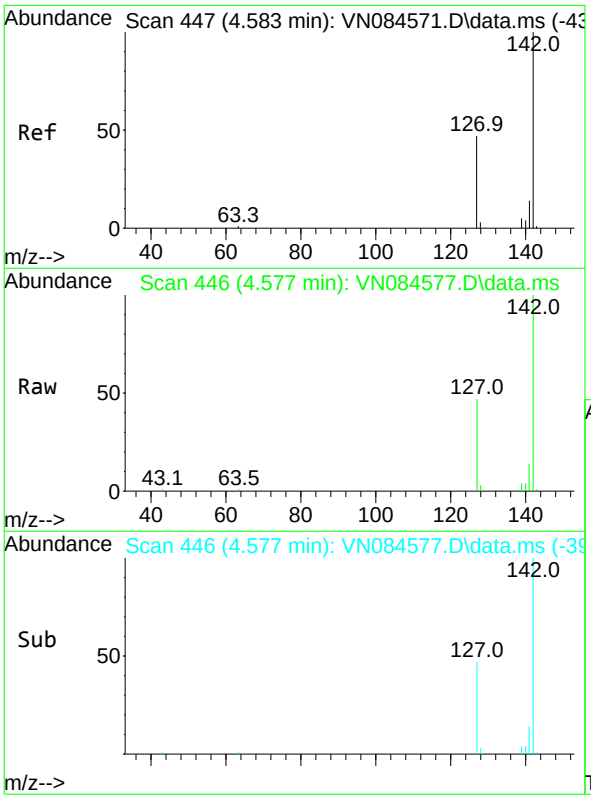
Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	75.7	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

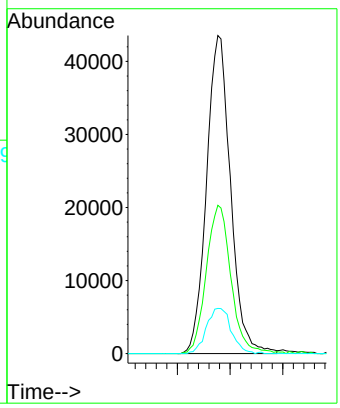
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

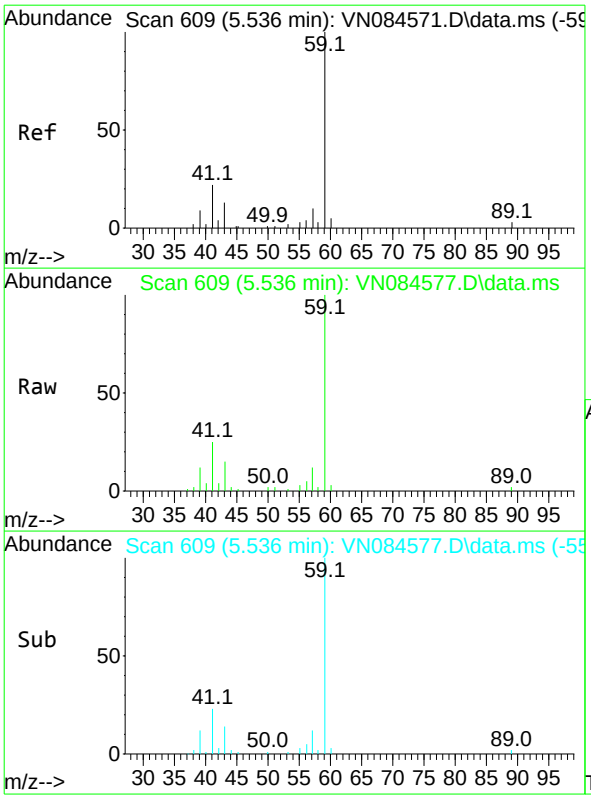


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

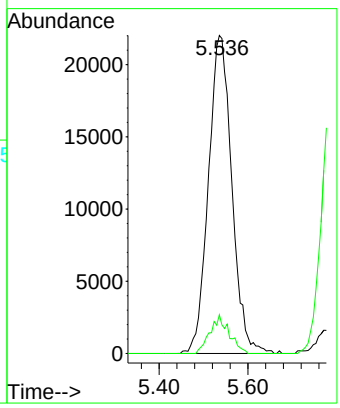




#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 59 Resp: 80556

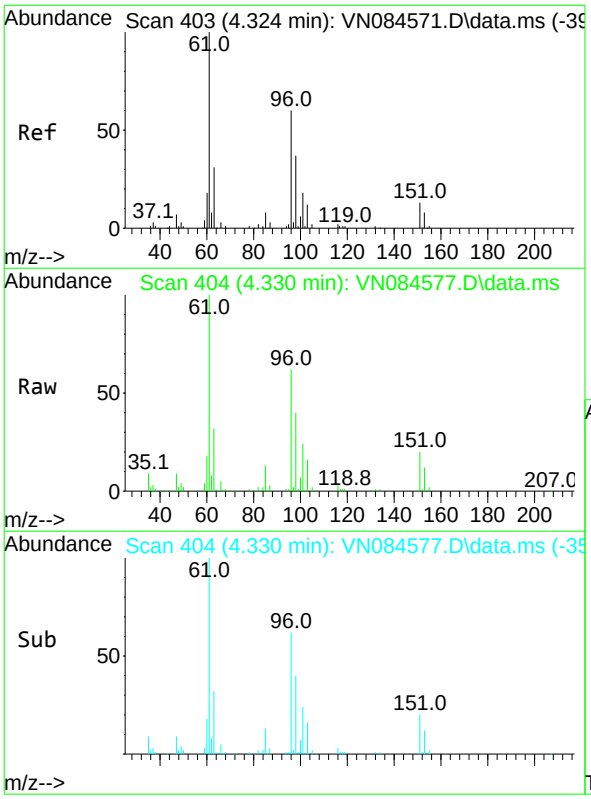
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

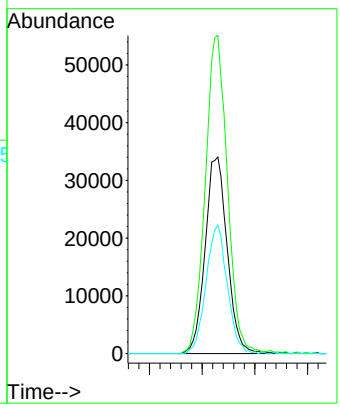
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

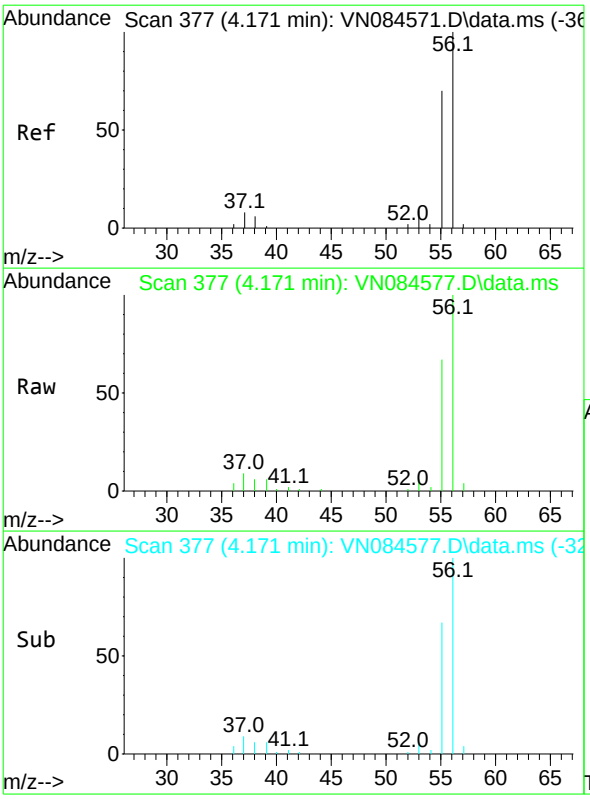


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

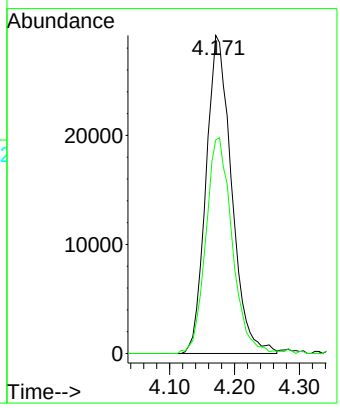




#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 79788

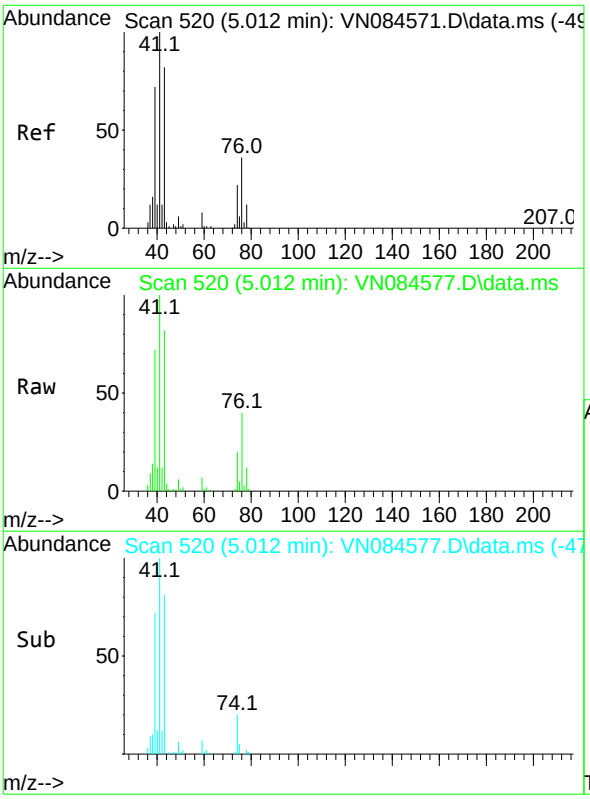
Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

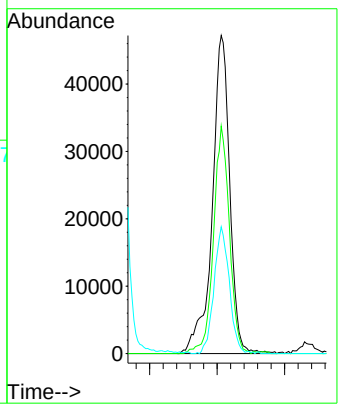
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

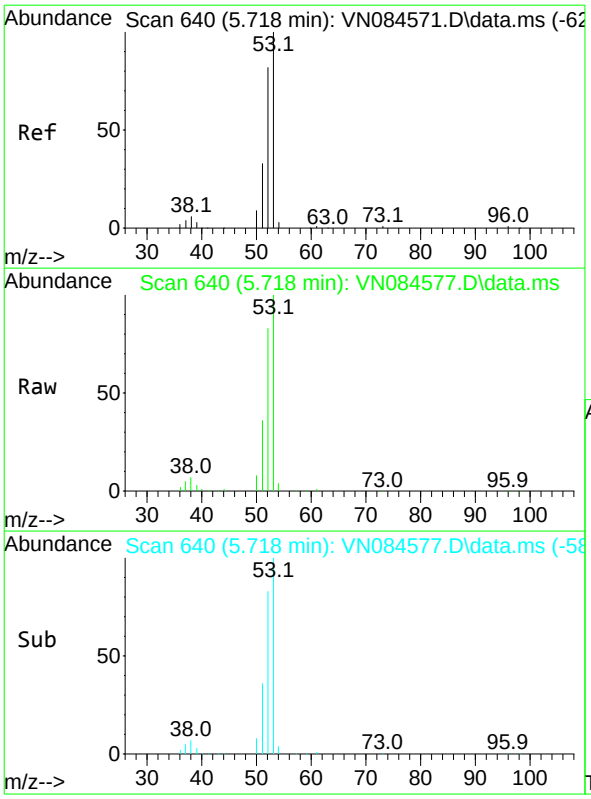


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

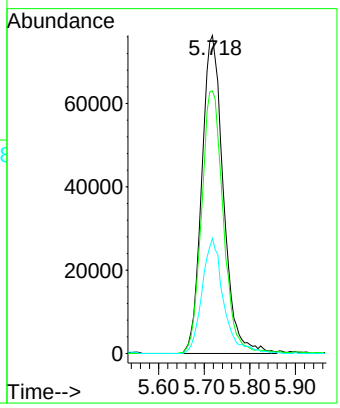




#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 53 Resp: 251141

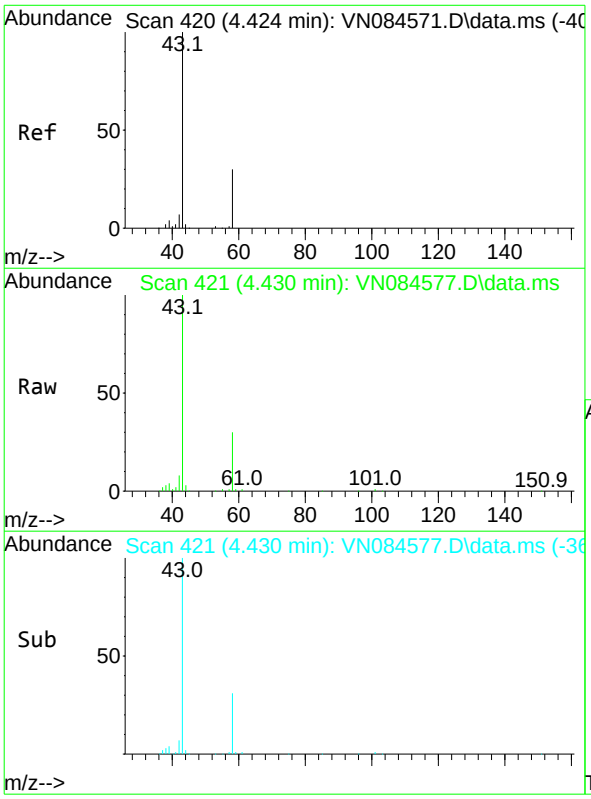
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.4
51	35.9	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

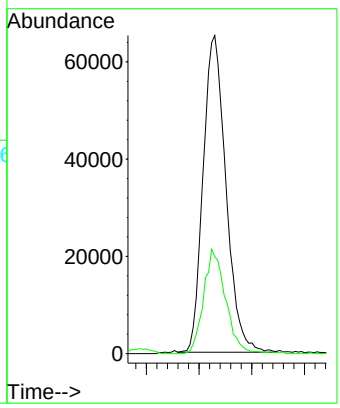
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

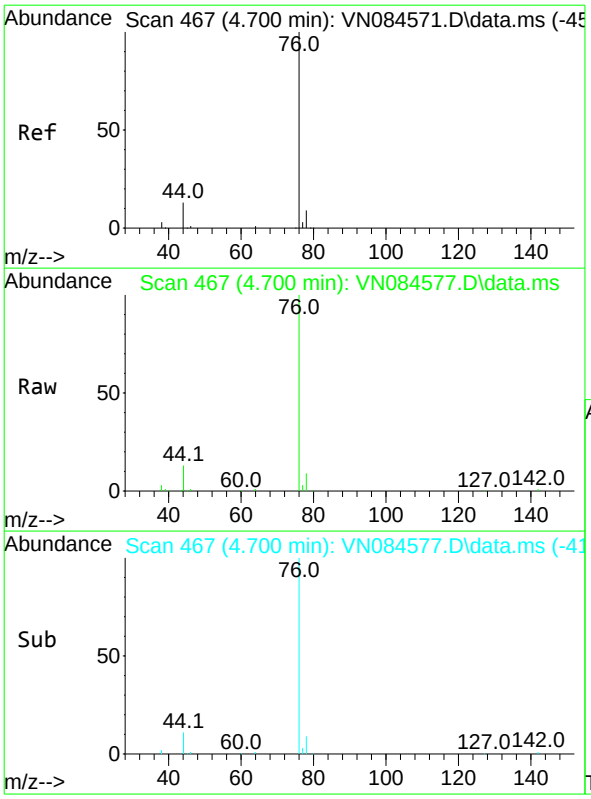


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6

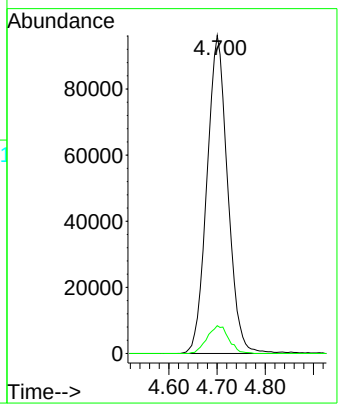




#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 287697

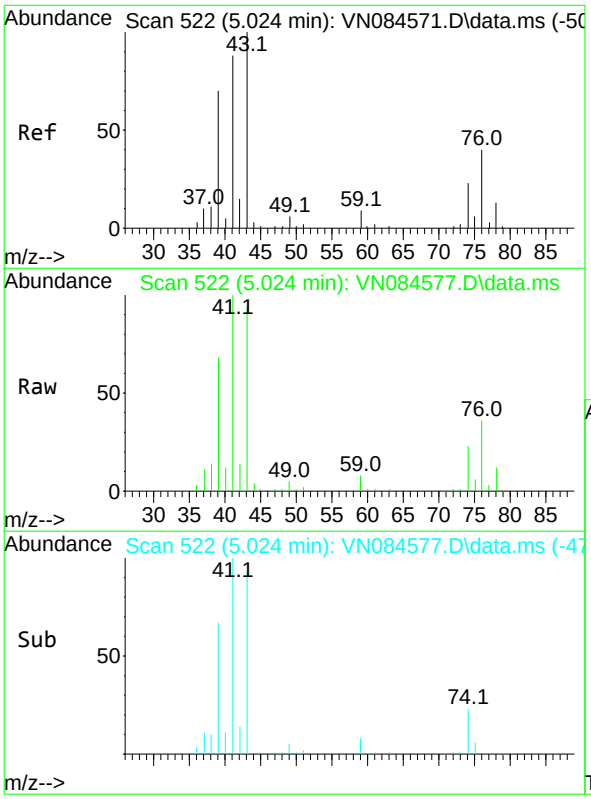
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

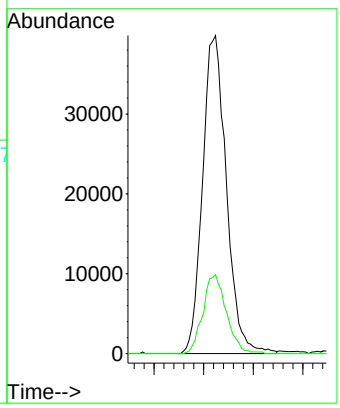
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

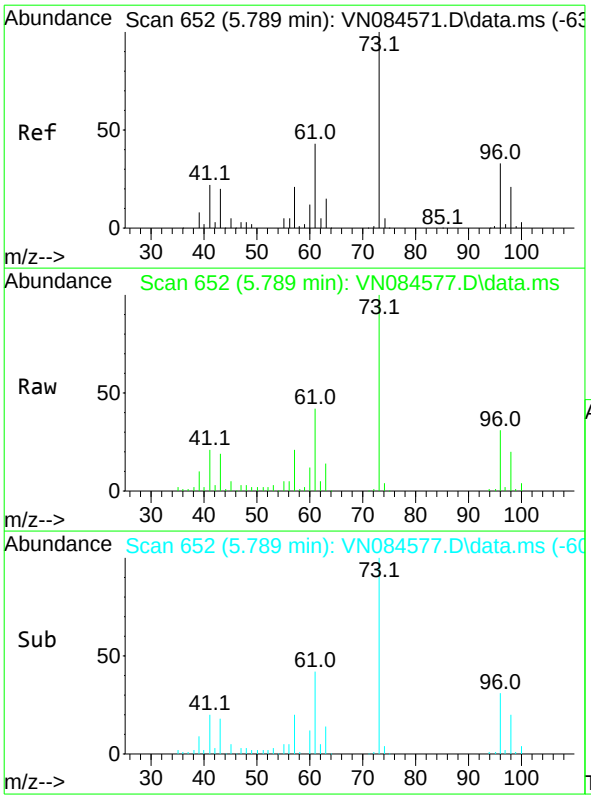


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

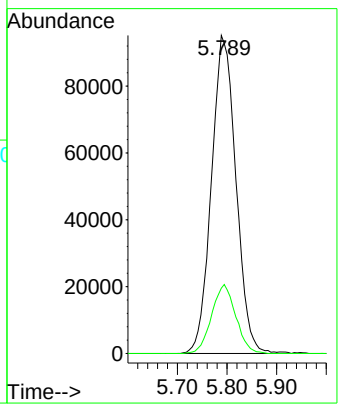




#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 73 Resp: 326067

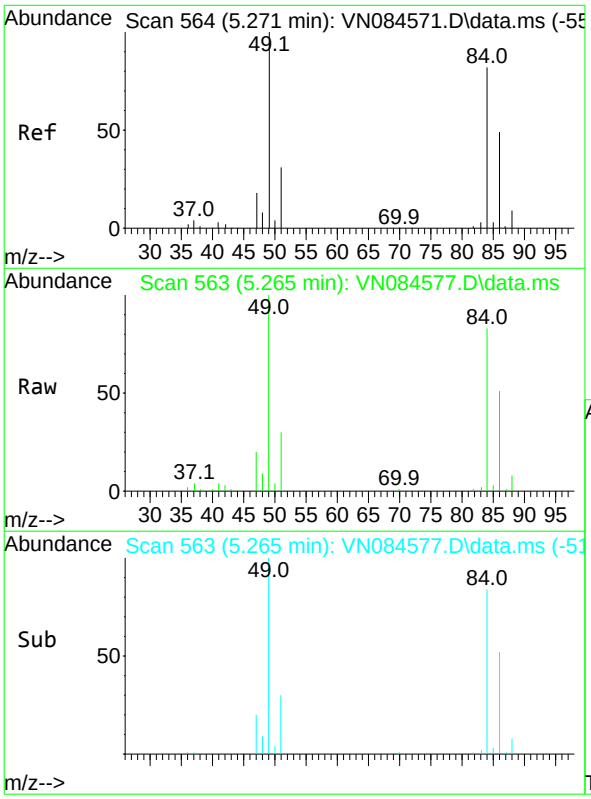
Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

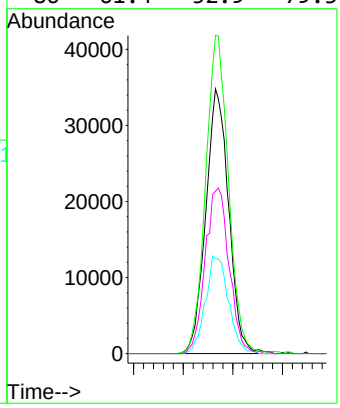
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

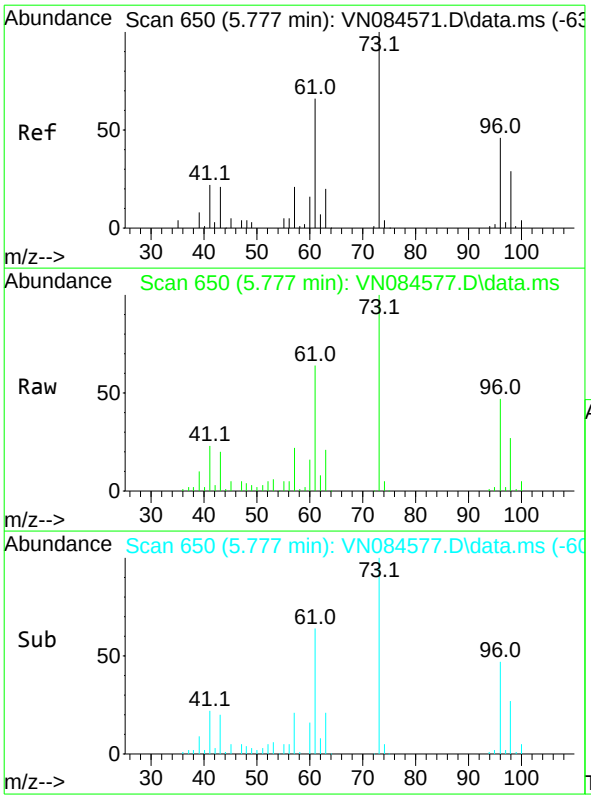


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

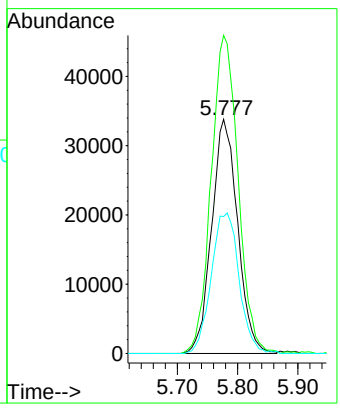




#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 101181

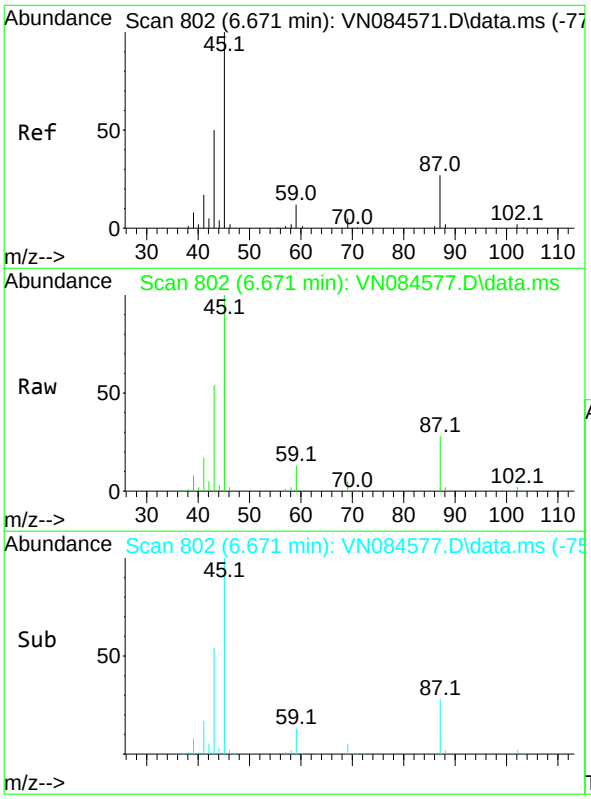
Ion	Ratio	Lower	Upper
96	100		
61	135.8	108.4	162.6
98	58.5	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

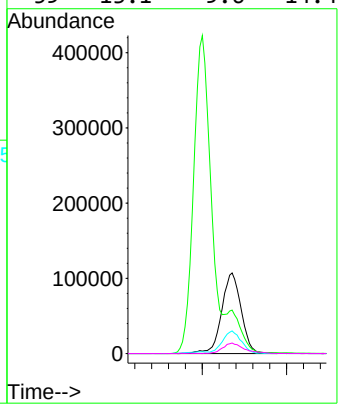
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

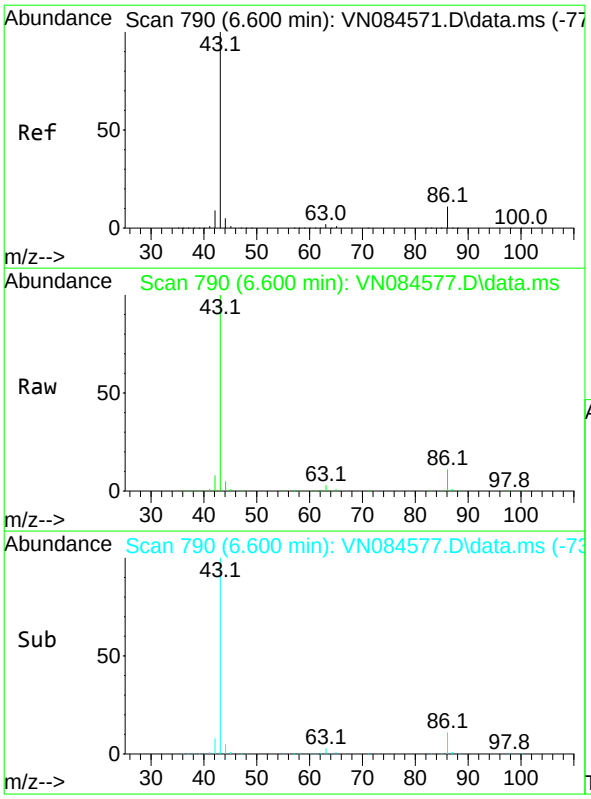


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

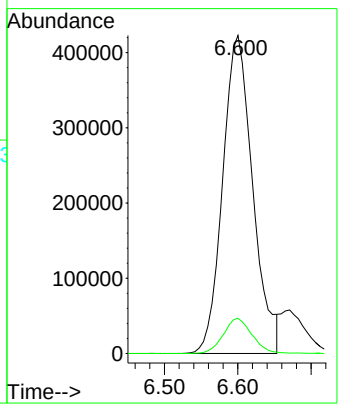




#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 1204384

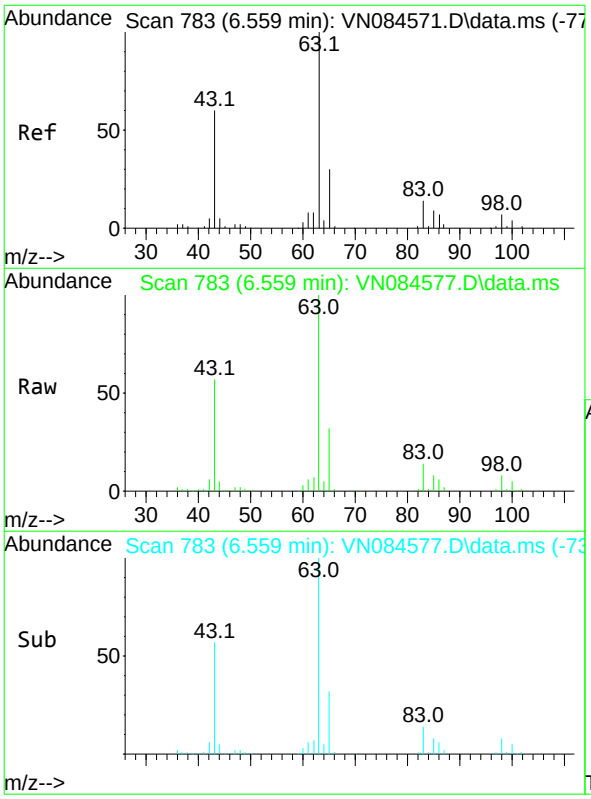
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

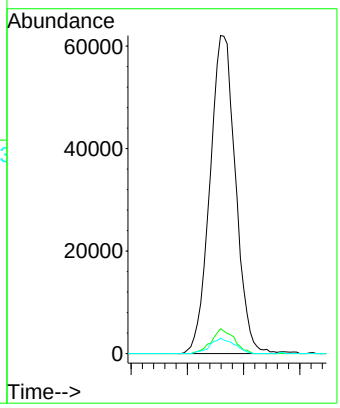
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

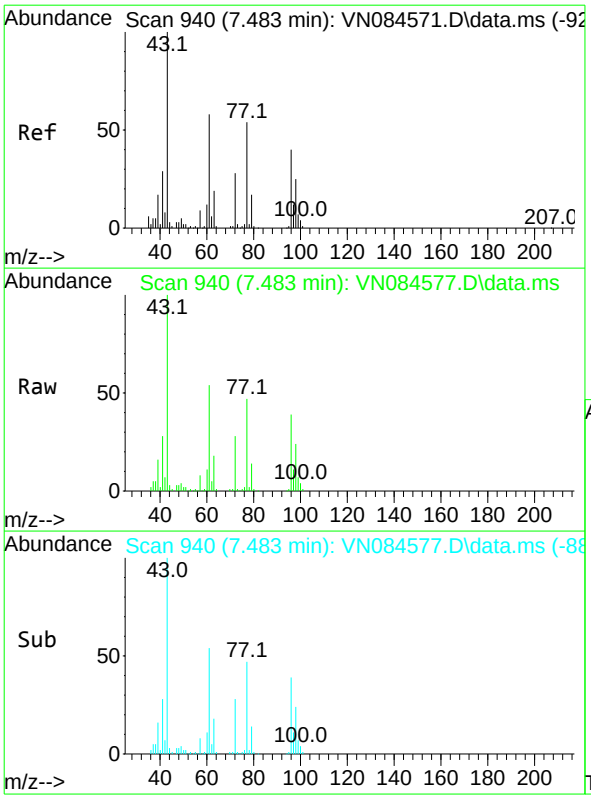


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

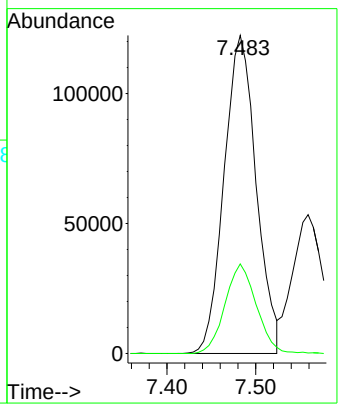




#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 307765

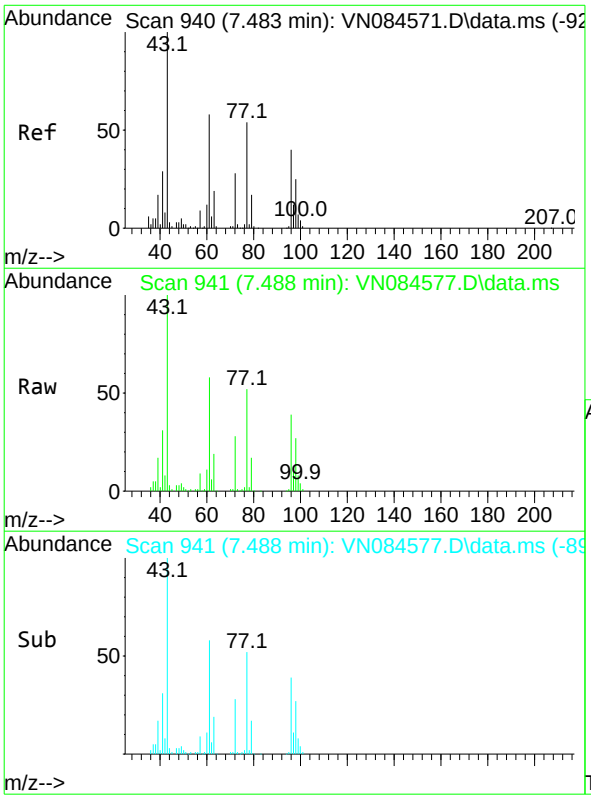
Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

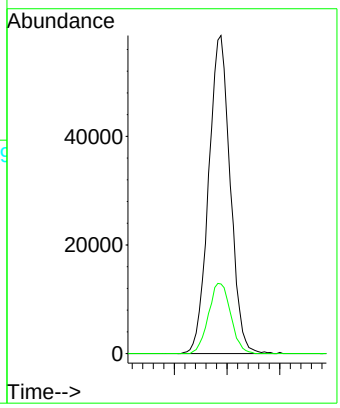
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

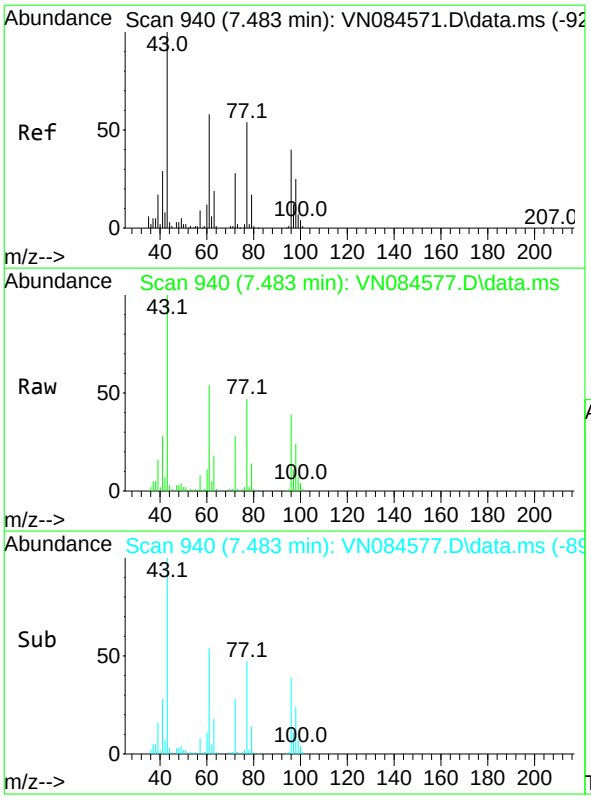


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3

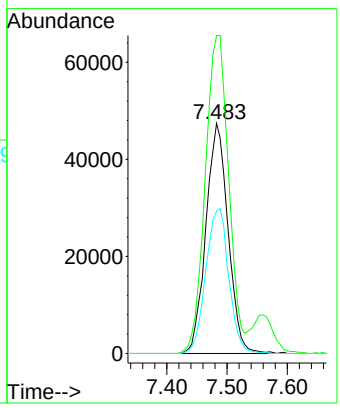




#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 96 Resp: 121280

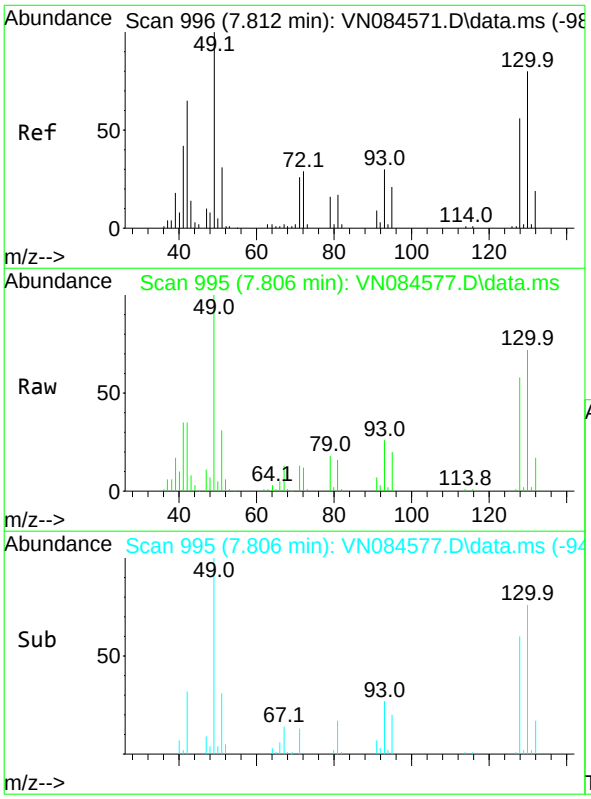
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	301.8
98	65.2	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

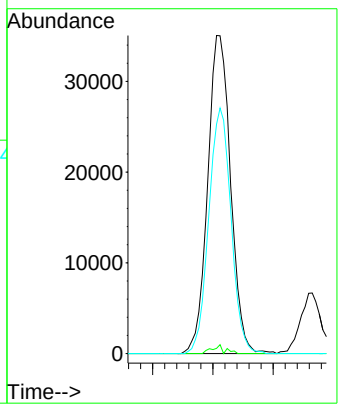
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

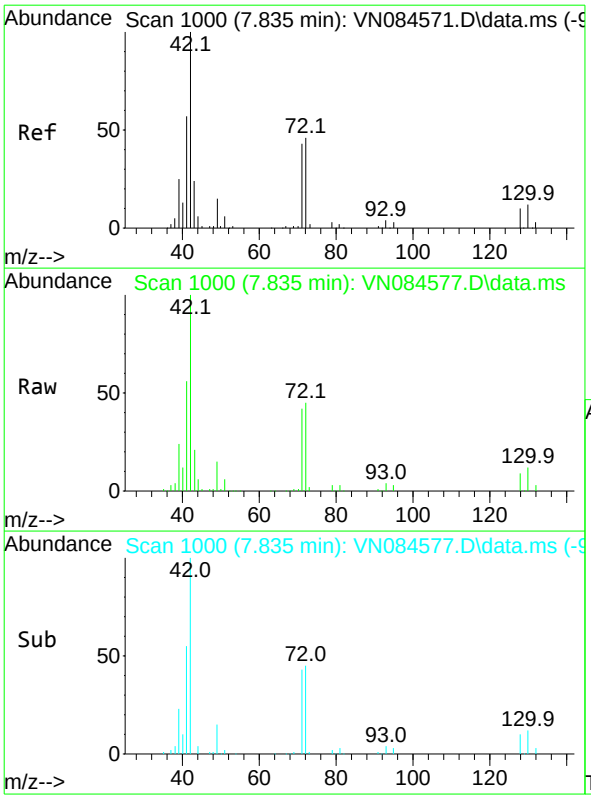


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

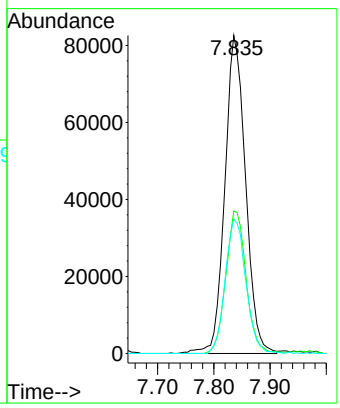




#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 42 Resp: 211210

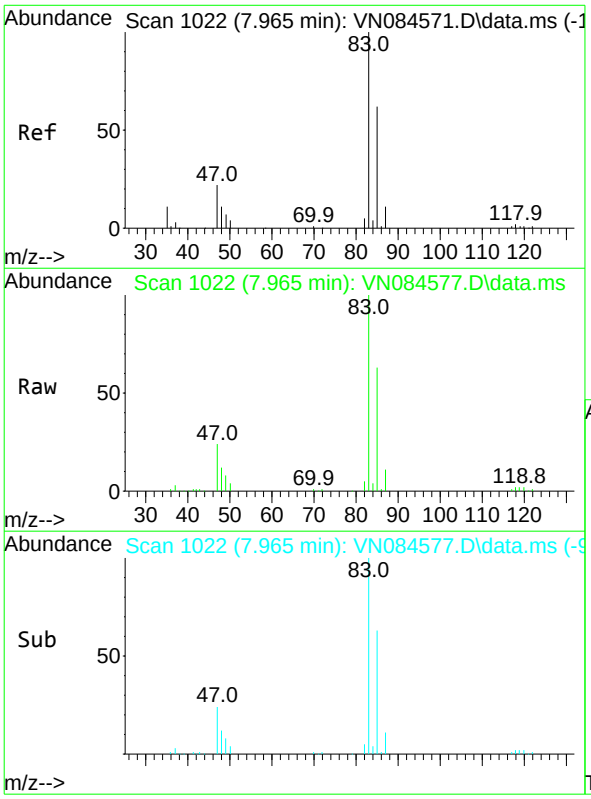
Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.6	51.8
71	42.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

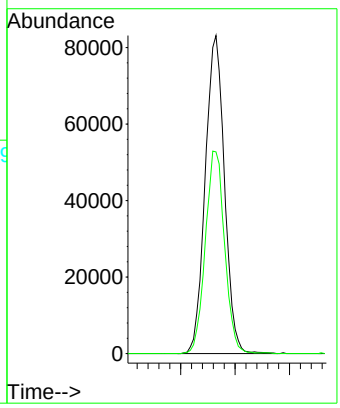
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

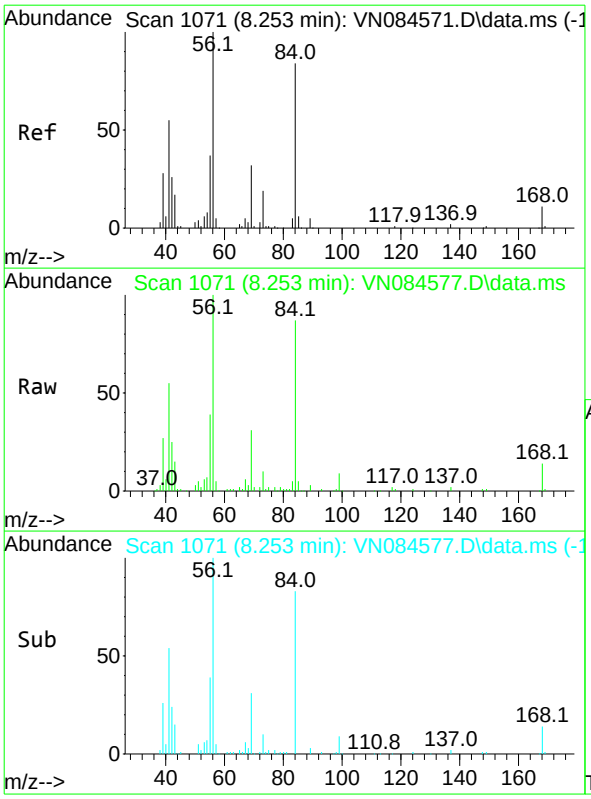


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4

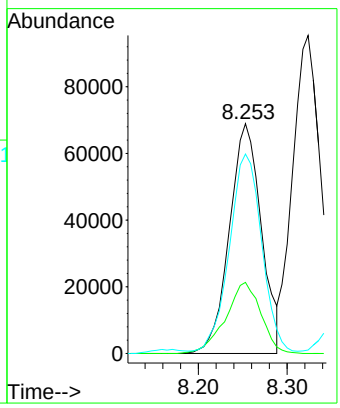




#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 56 Resp: 172671

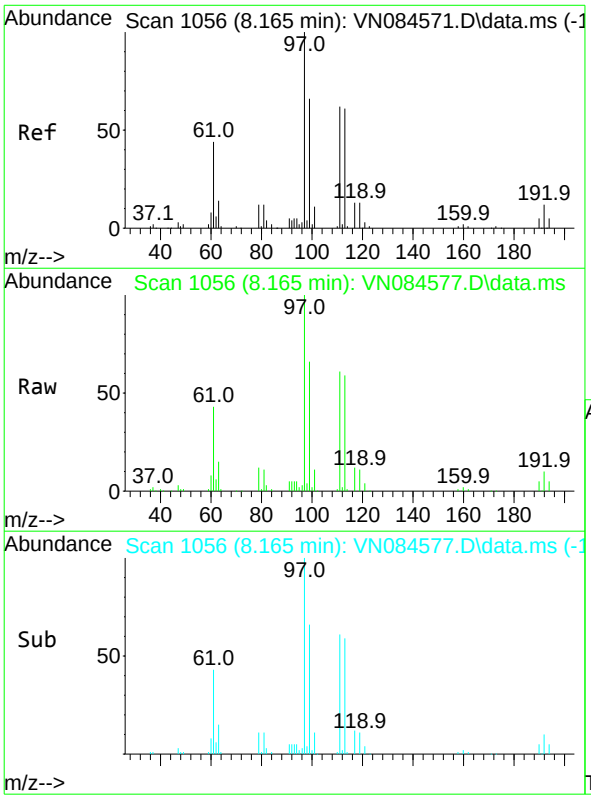
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.8	35.6
84	85.4	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

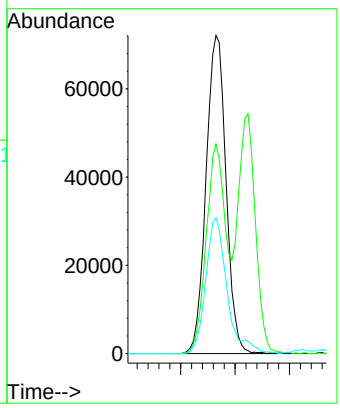
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

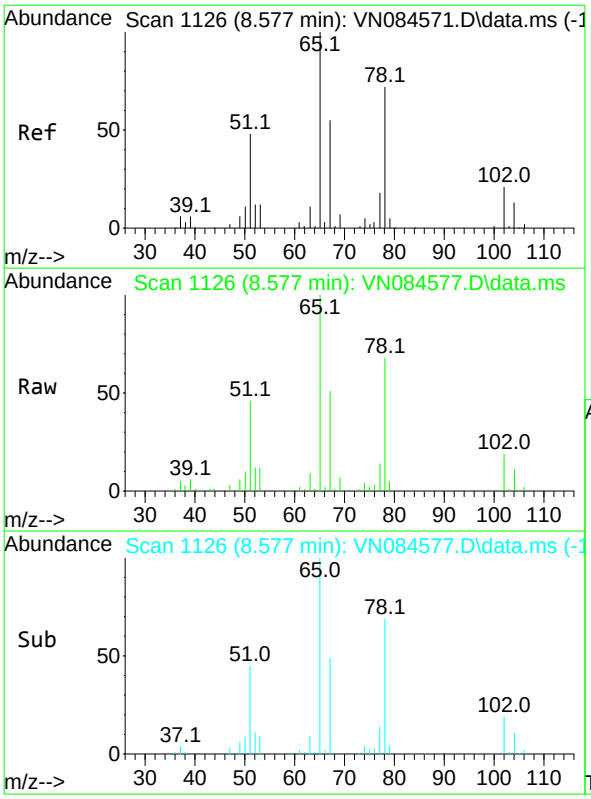


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

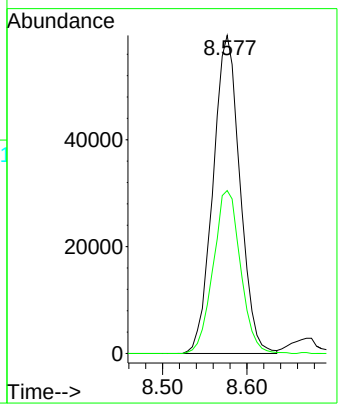




#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 65 Resp: 132029

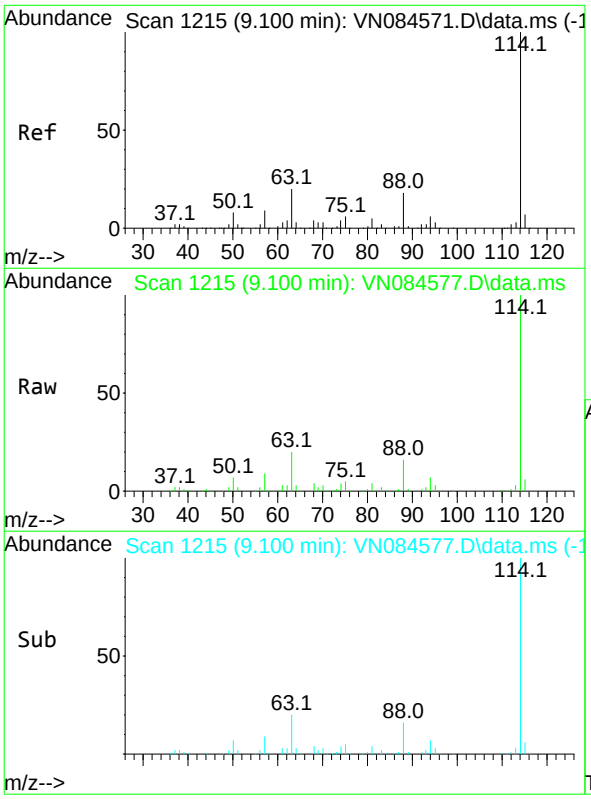
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

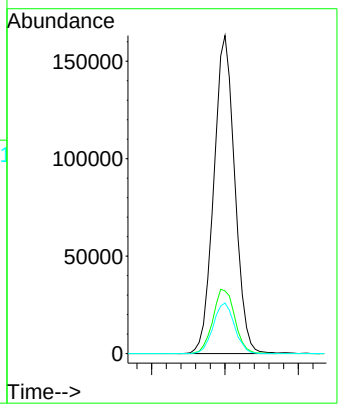
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

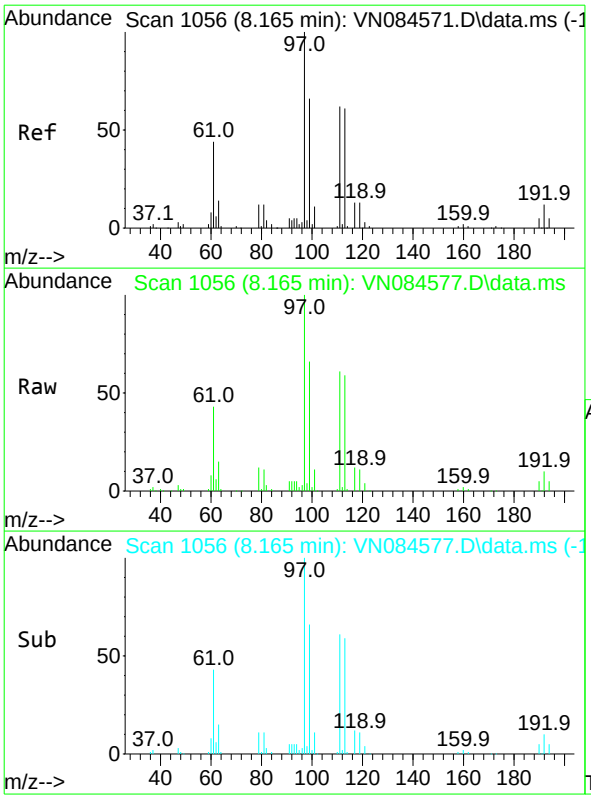


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

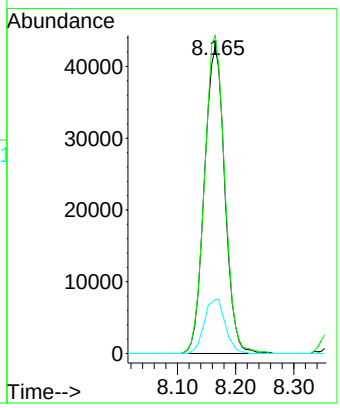




#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:113 Resp: 104306

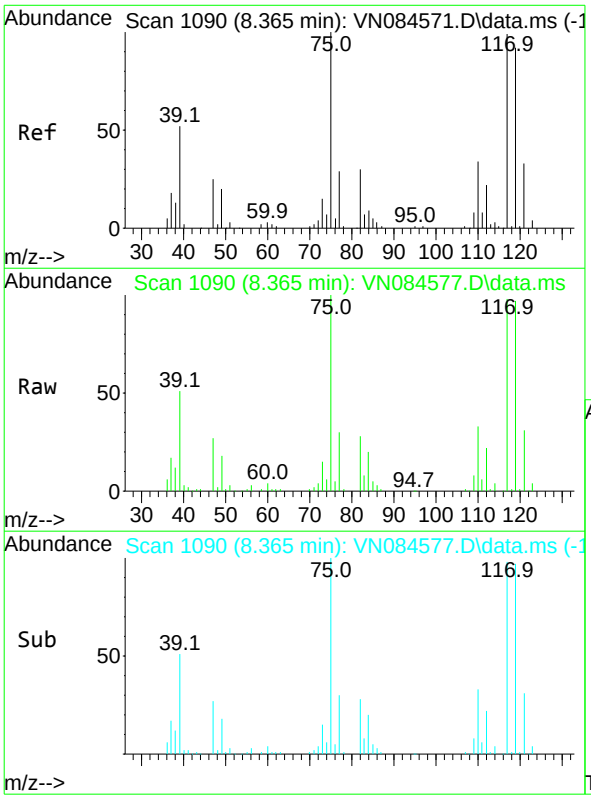
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.1	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

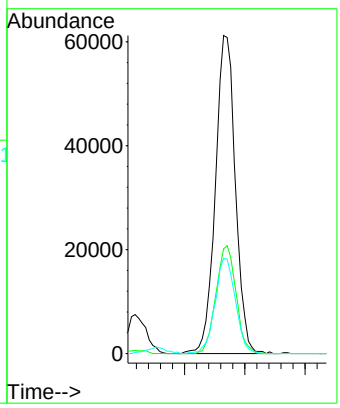
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

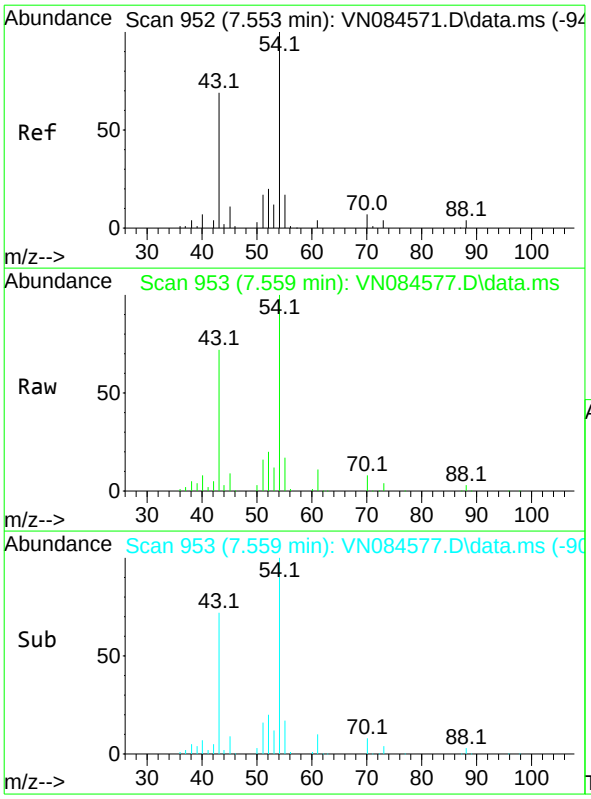


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

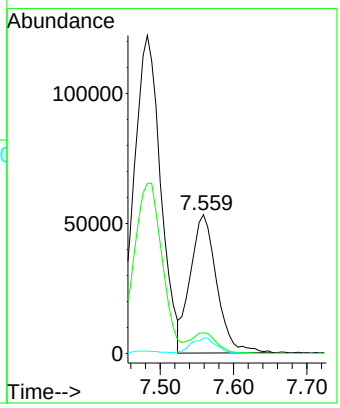
Tgt Ion: 43 Resp: 132993

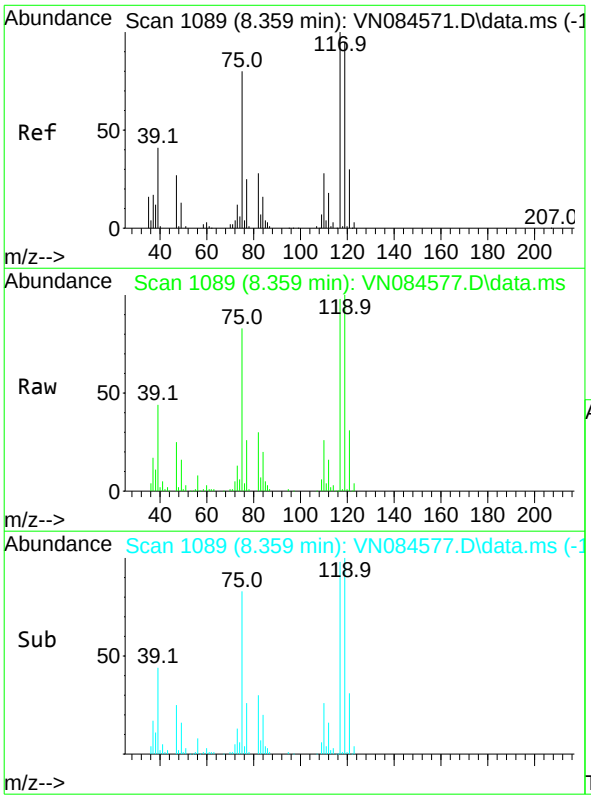
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.8	8.8	13.2

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

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

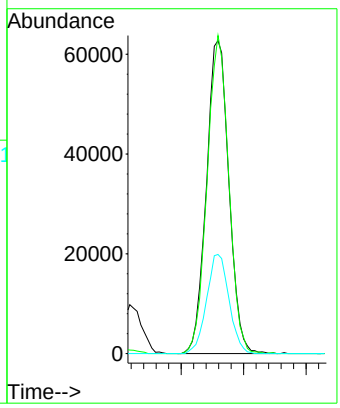


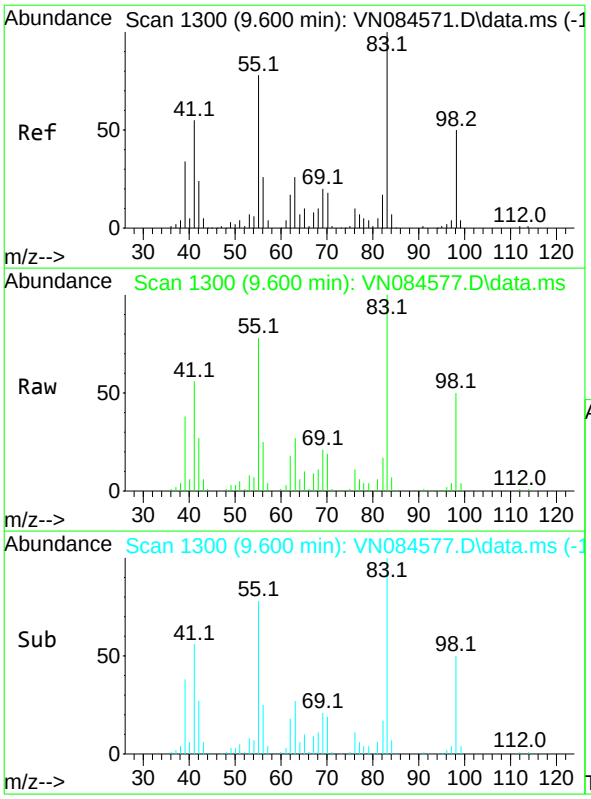


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

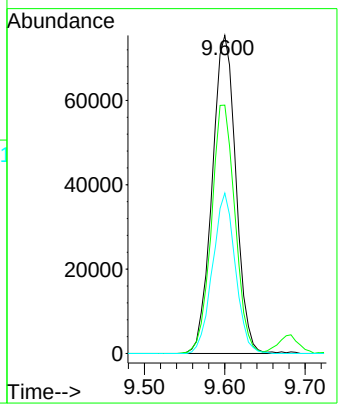




#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 154743

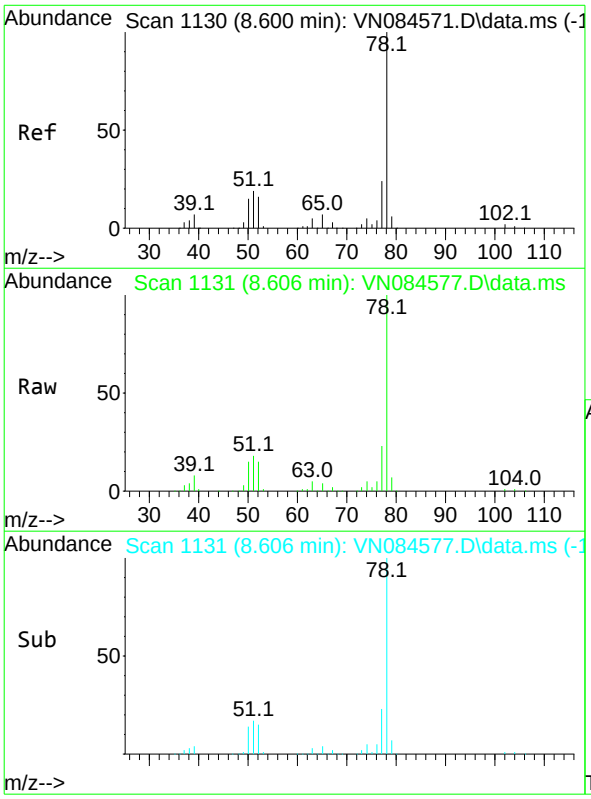
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	50.4	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

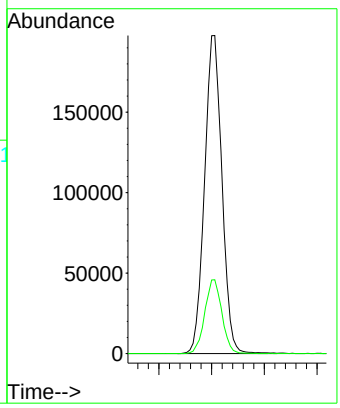
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

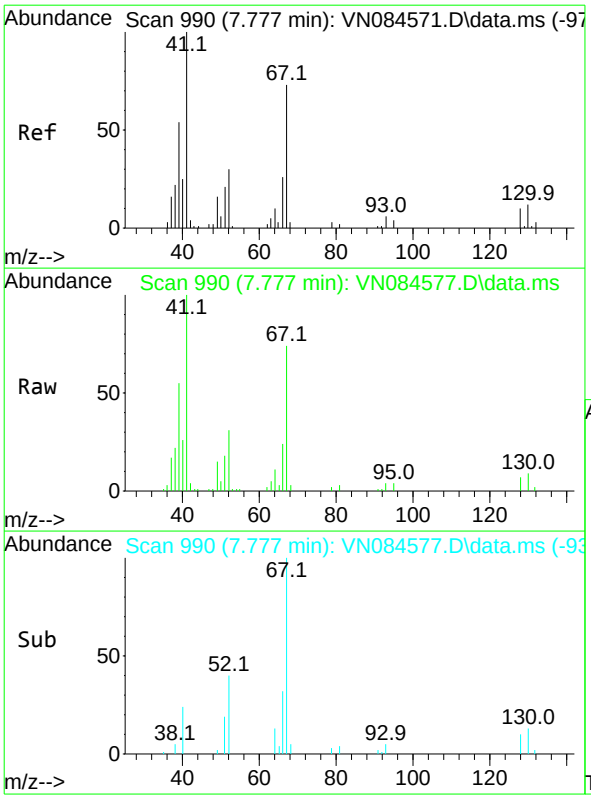


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7

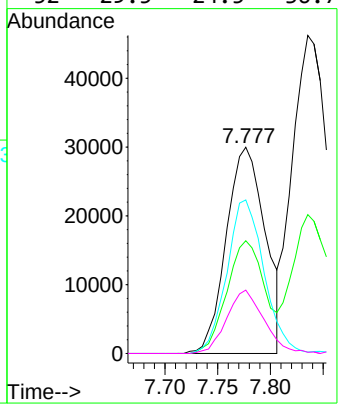




#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 41 Resp: 77176

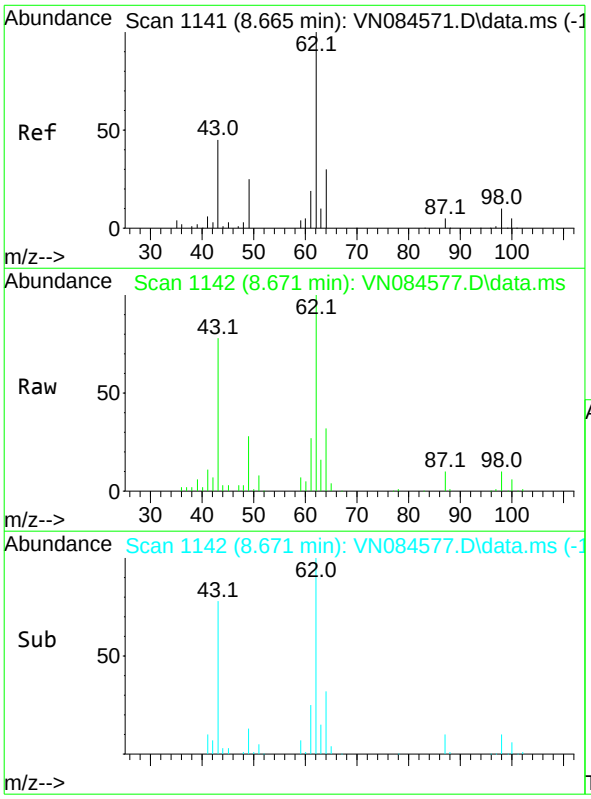
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.3	64.9
67	71.3	56.1	84.1
52	29.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

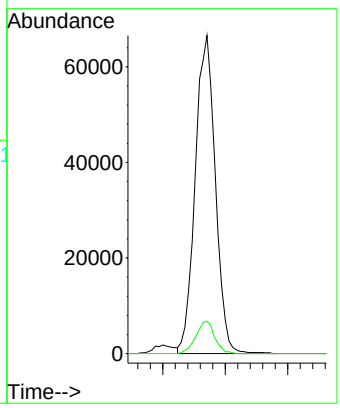
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

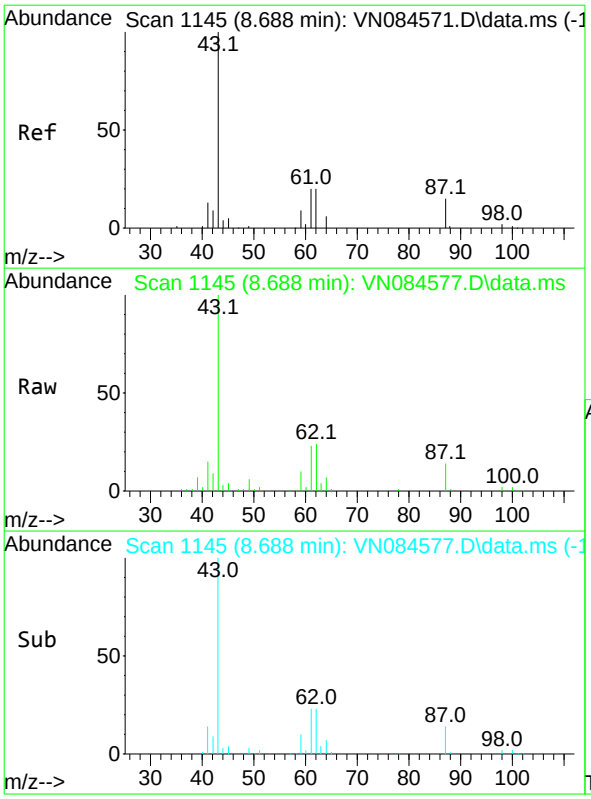


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

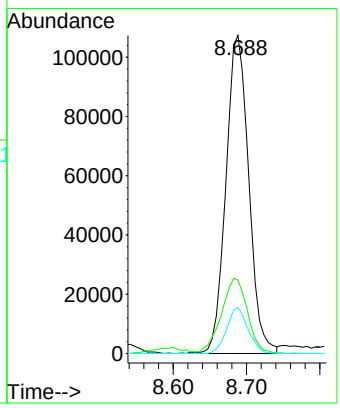




#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 232558

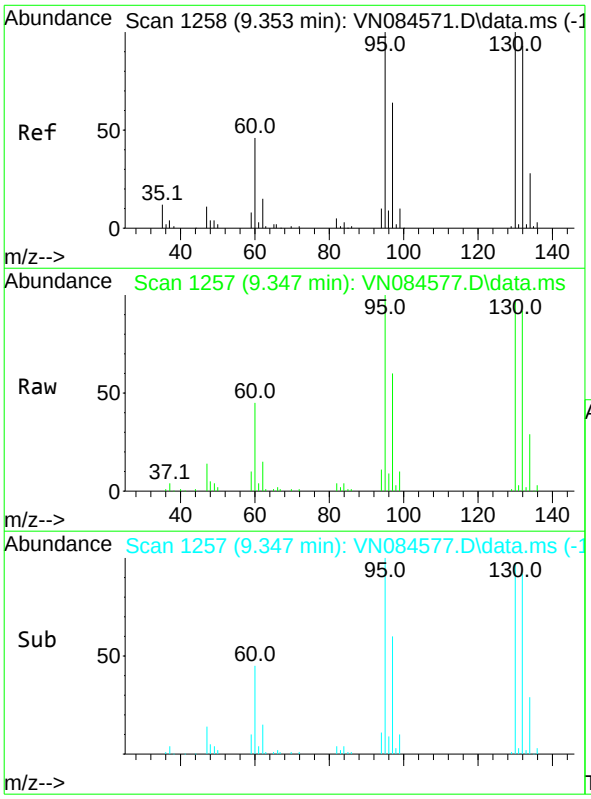
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

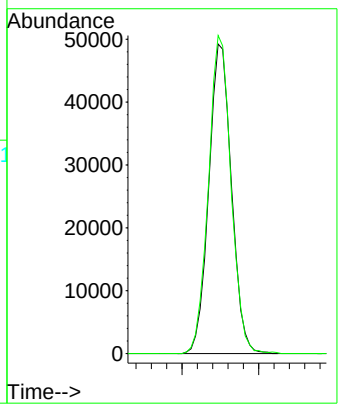
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

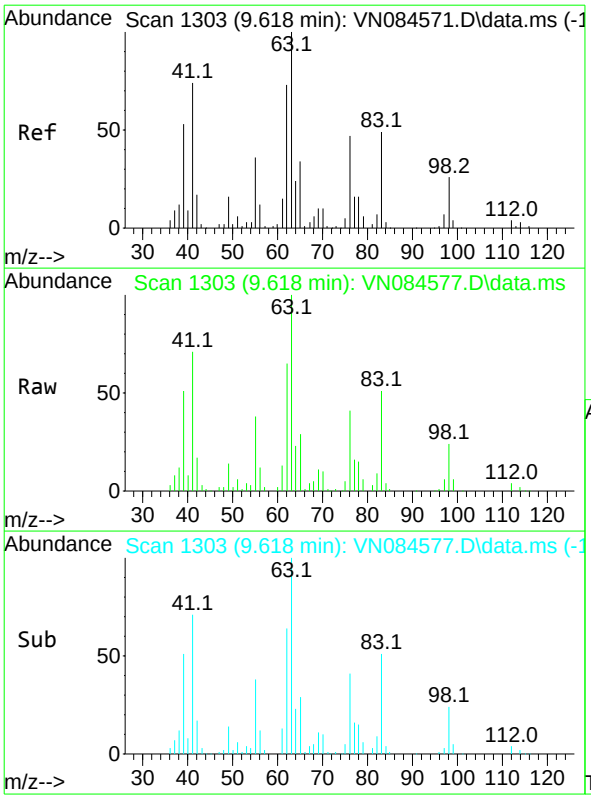


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0

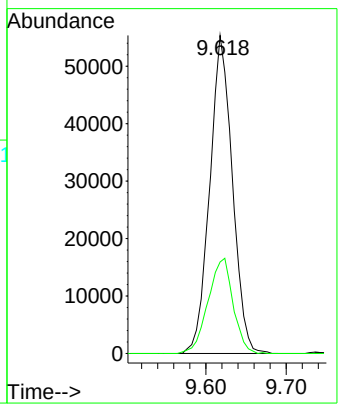




#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 108229

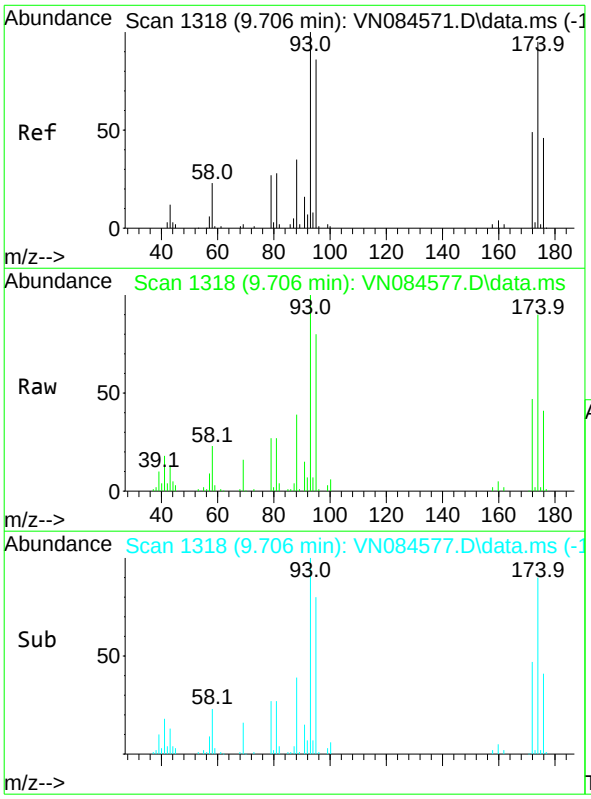
Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

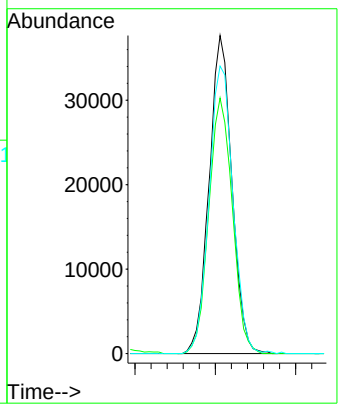
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

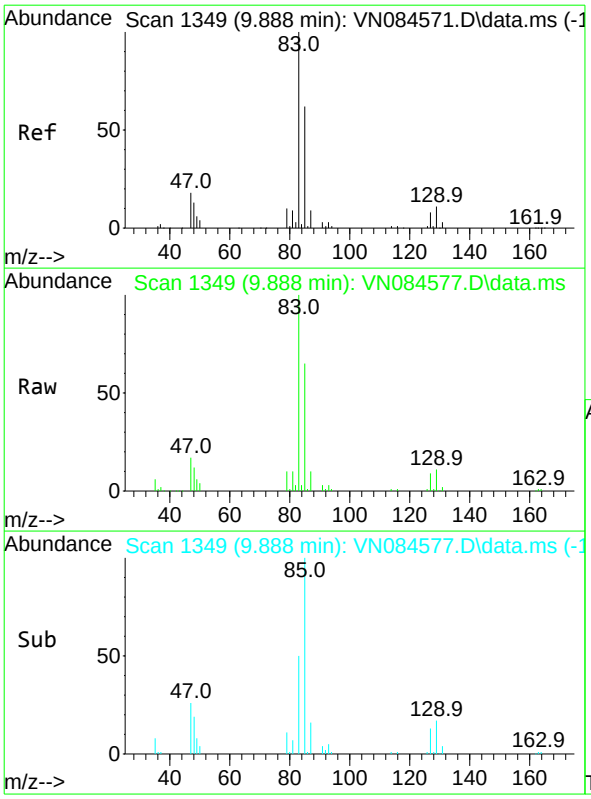


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

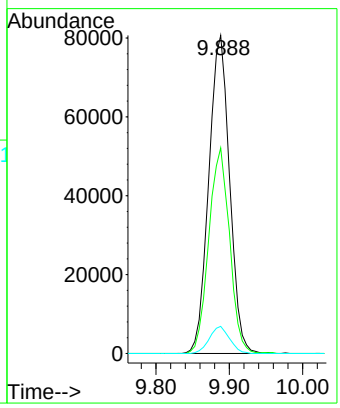




#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 158814

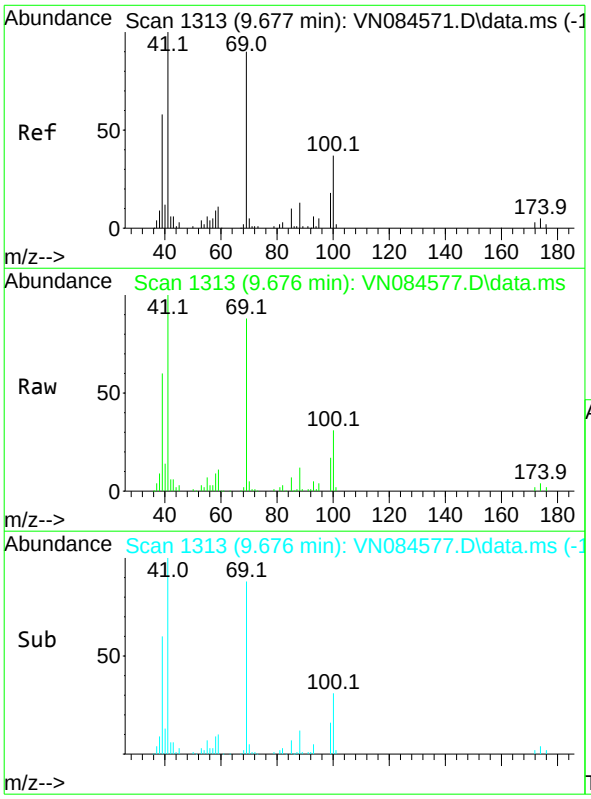
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.5	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

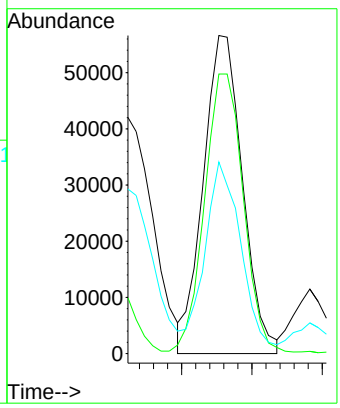
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

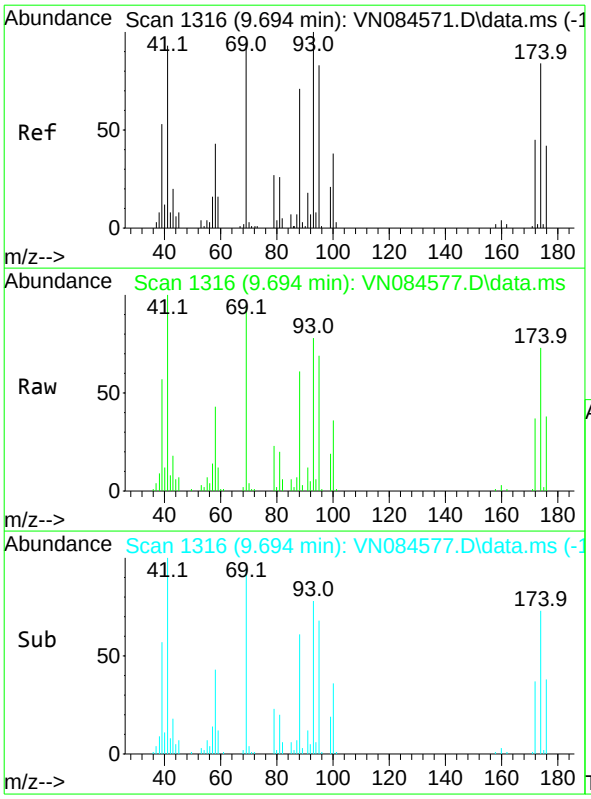


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

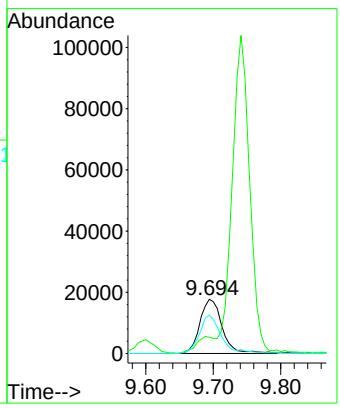




#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 88 Resp: 40527

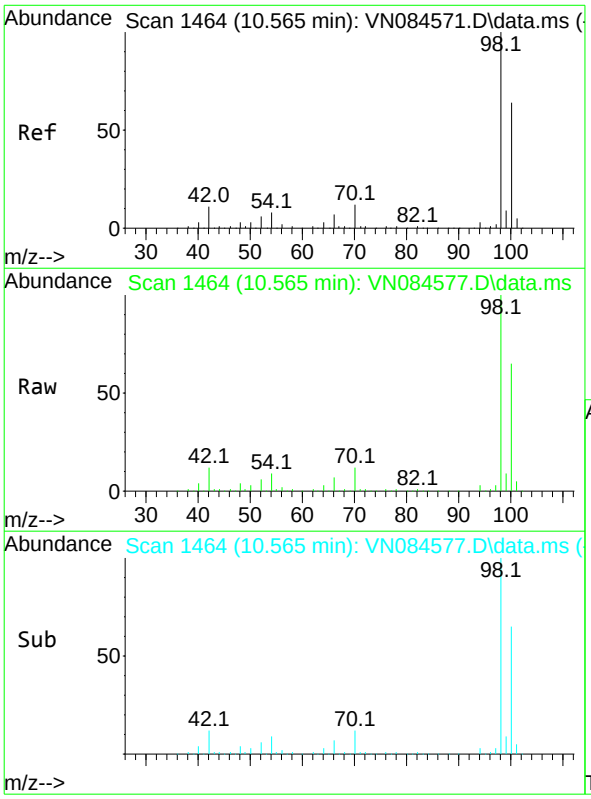
Ion	Ratio	Lower	Upper
88	100		
43	24.5	25.3	37.9#
58	69.9	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

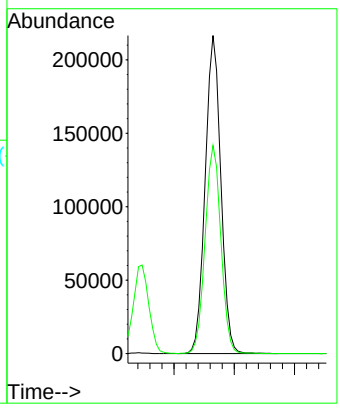
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

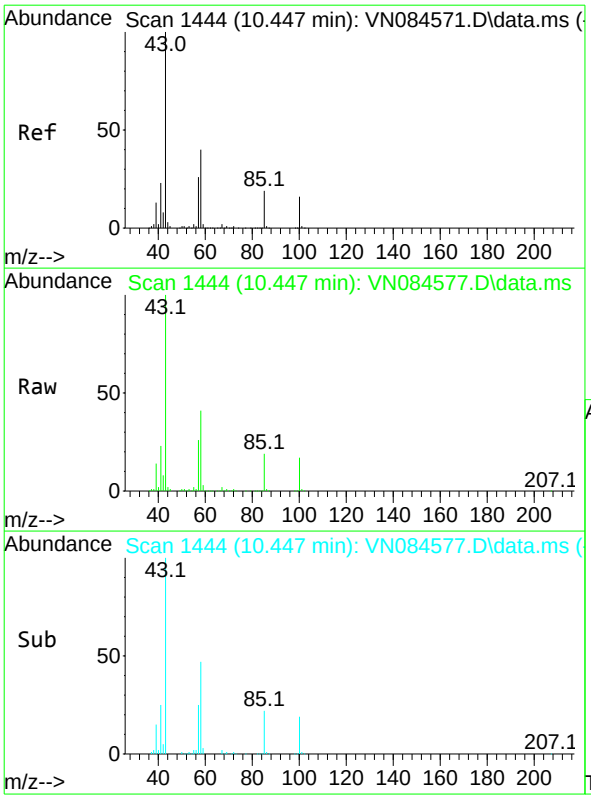


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1

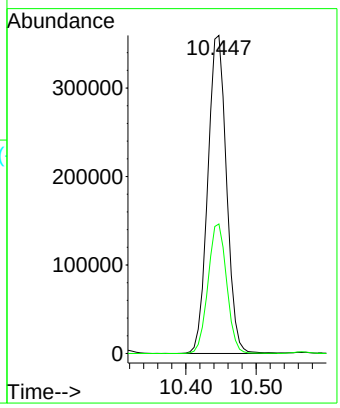




#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 665397

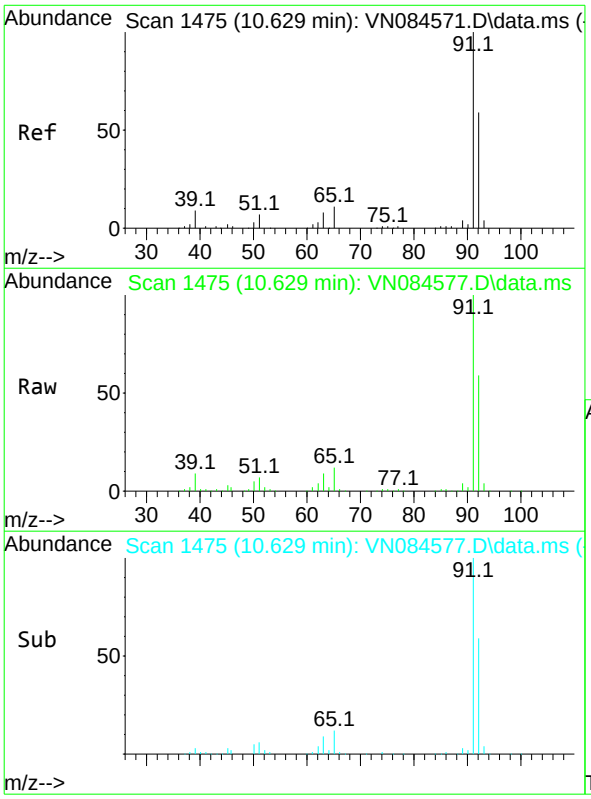
Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

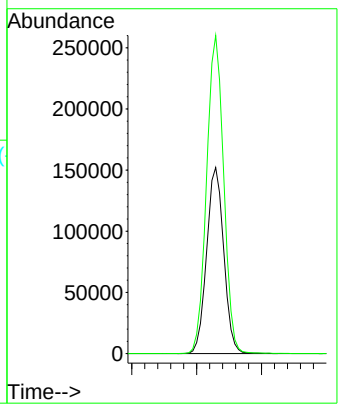
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

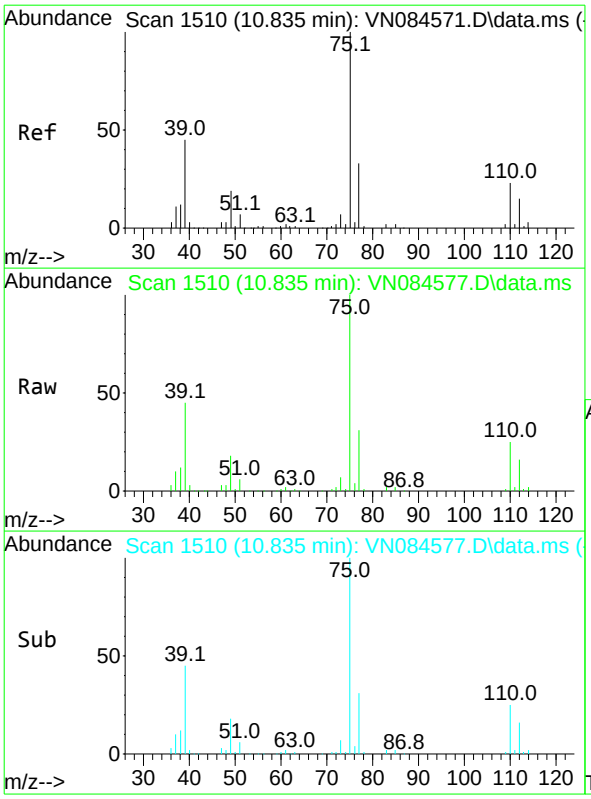


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9

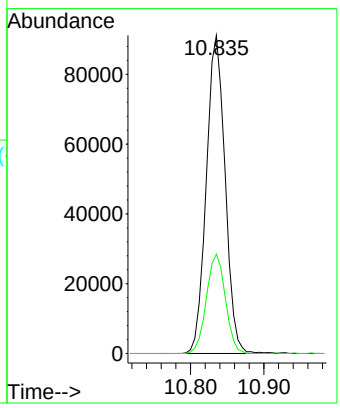




#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 162100

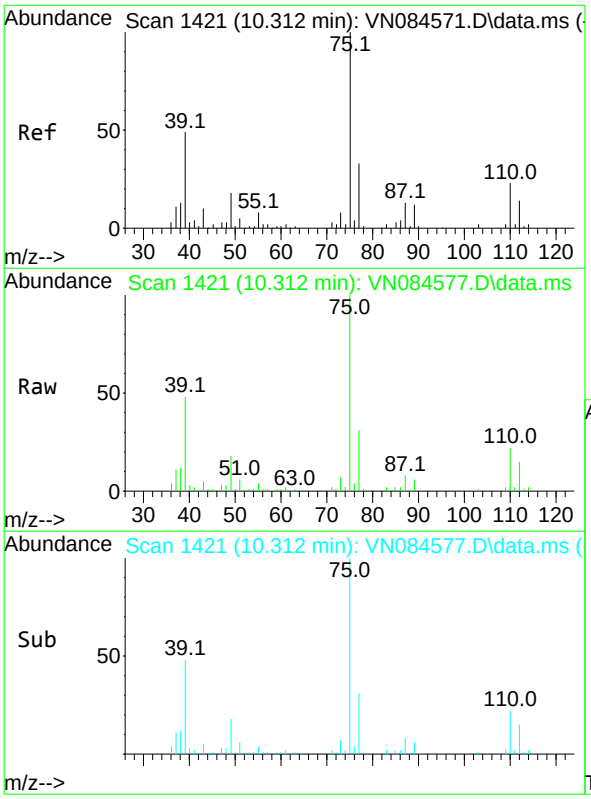
Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

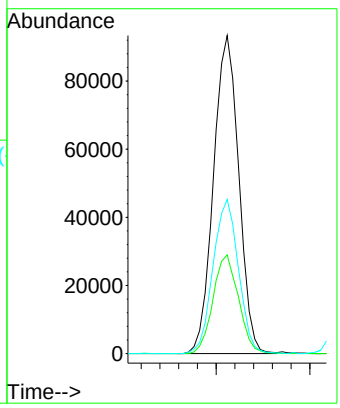
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

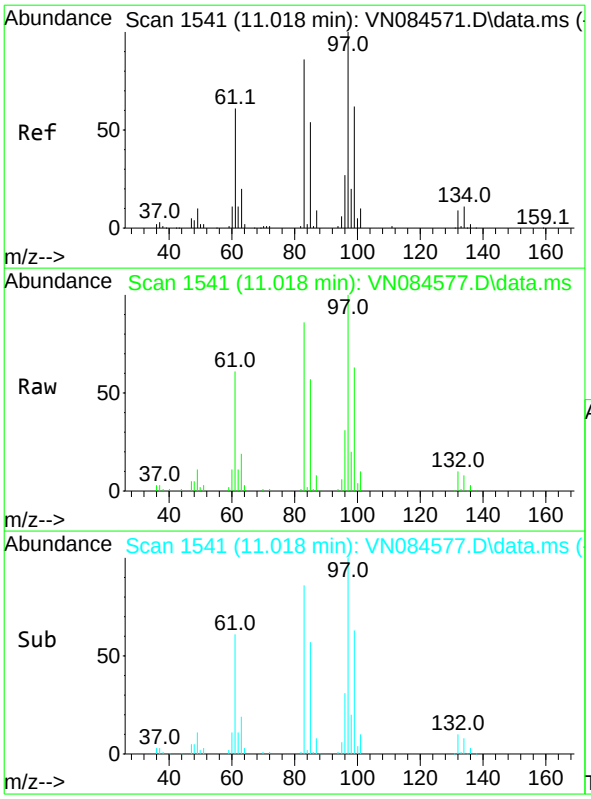


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

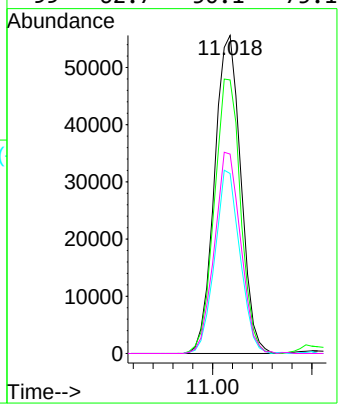




#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 97 Resp: 102553

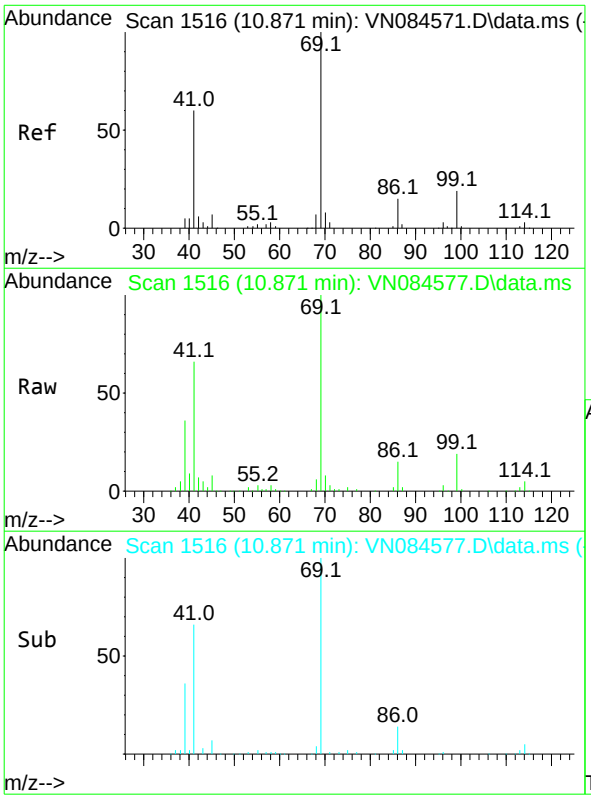
Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.0	106.4
85	56.6	41.7	62.5
99	62.7	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

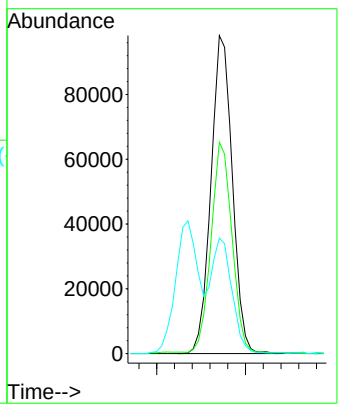
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

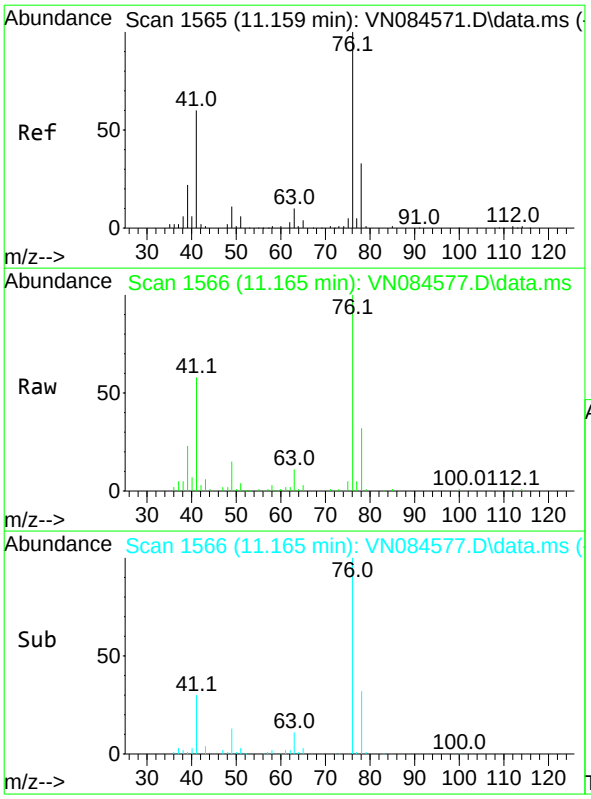


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

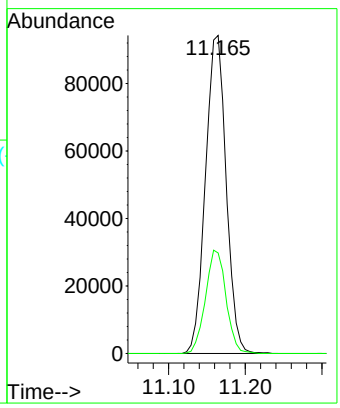




#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 76 Resp: 176546

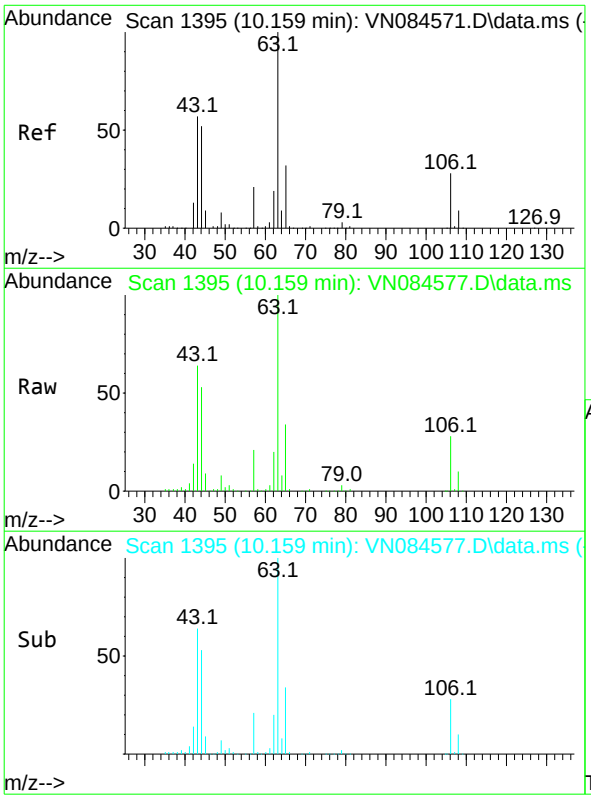
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

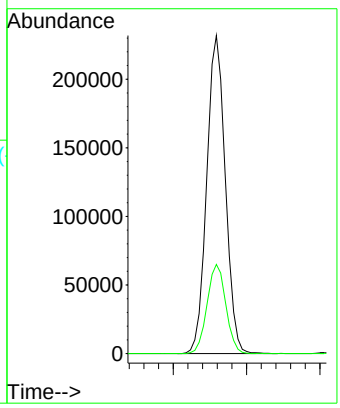
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

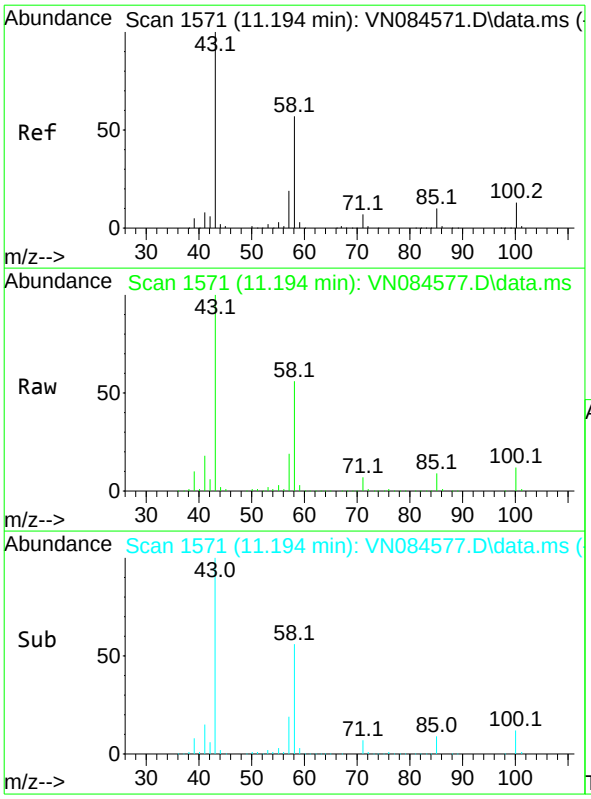


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6

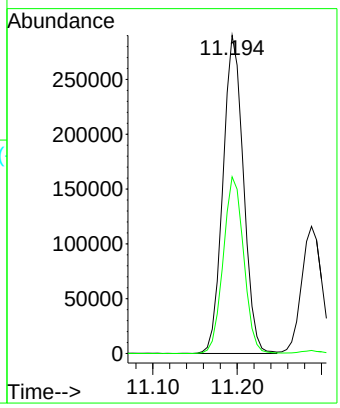




#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 489776

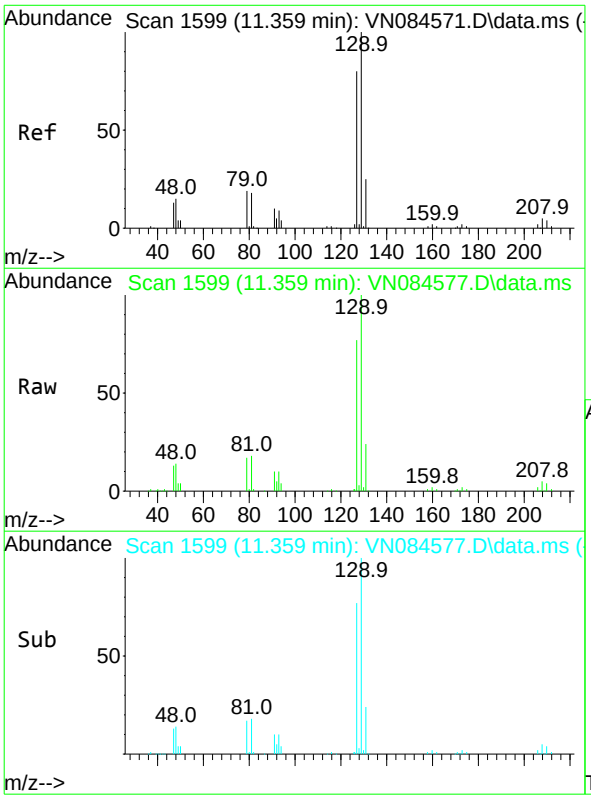
Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

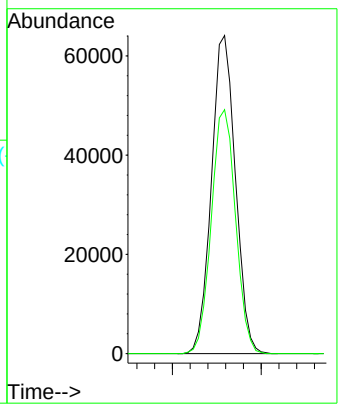
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

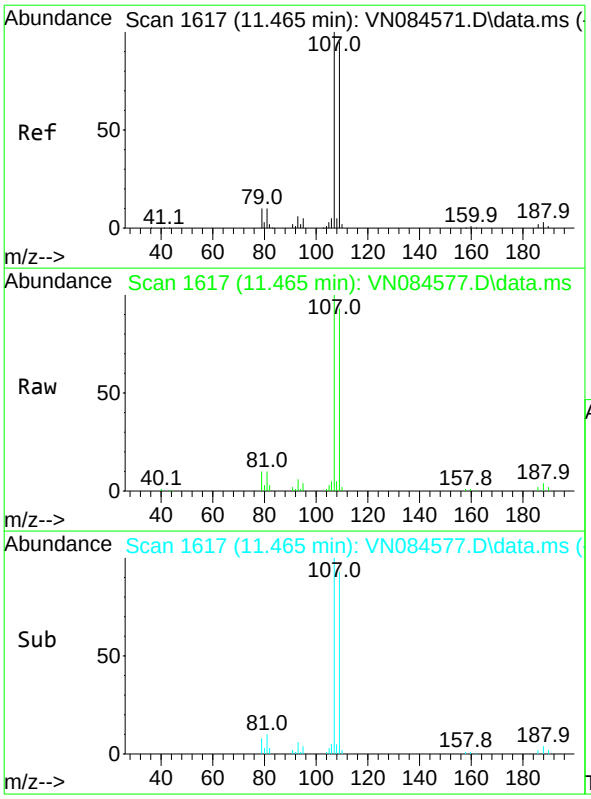


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9

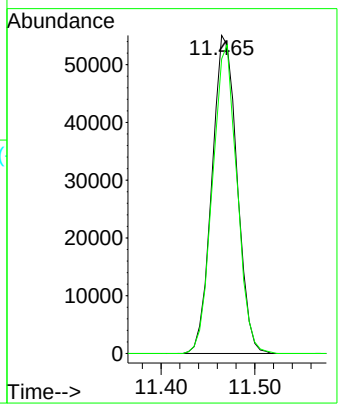




#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:107 Resp: 102316

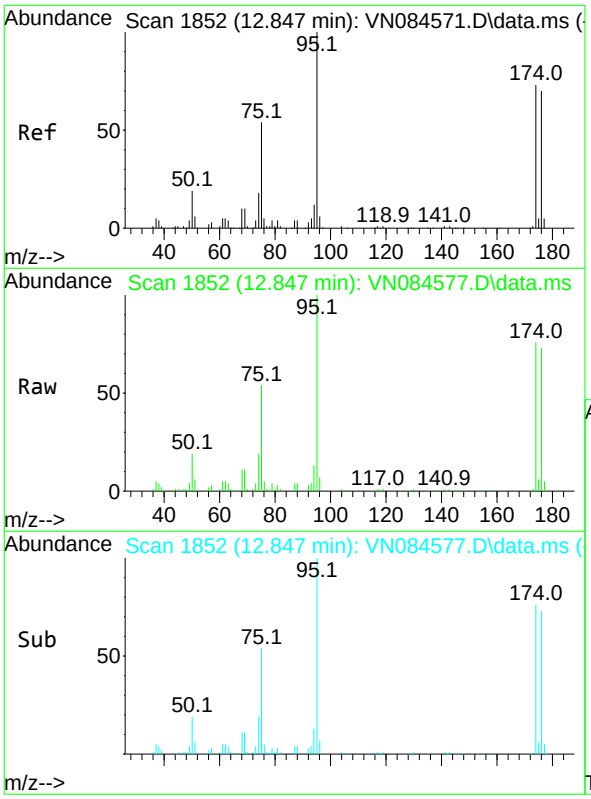
Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

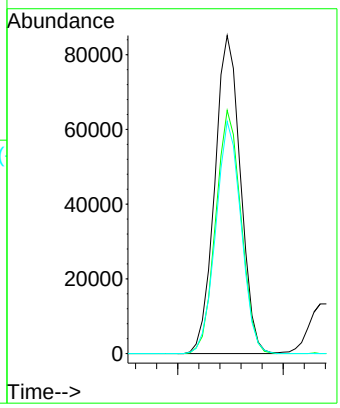
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

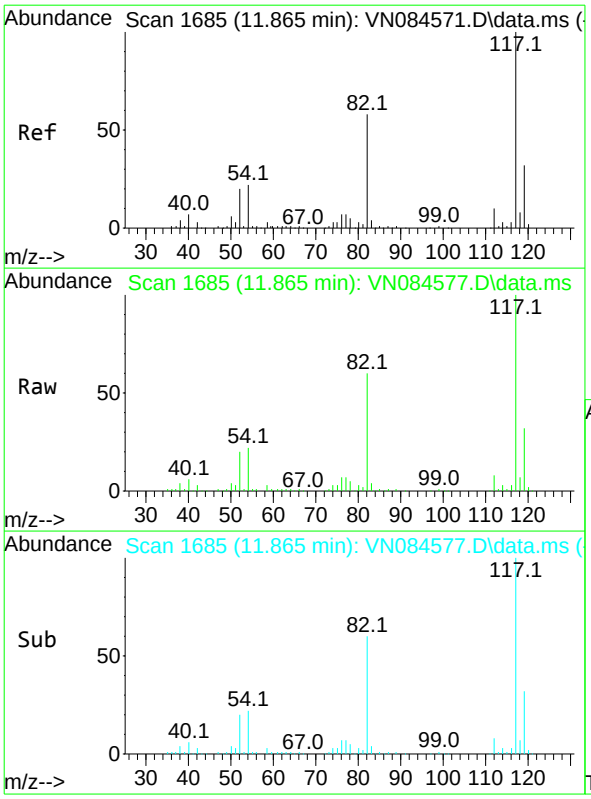


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

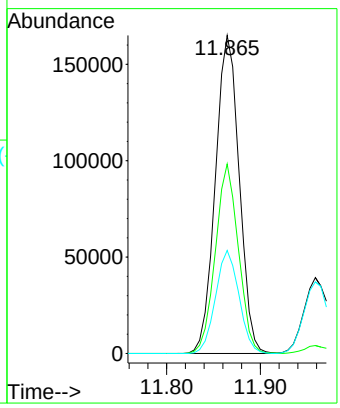




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 291586

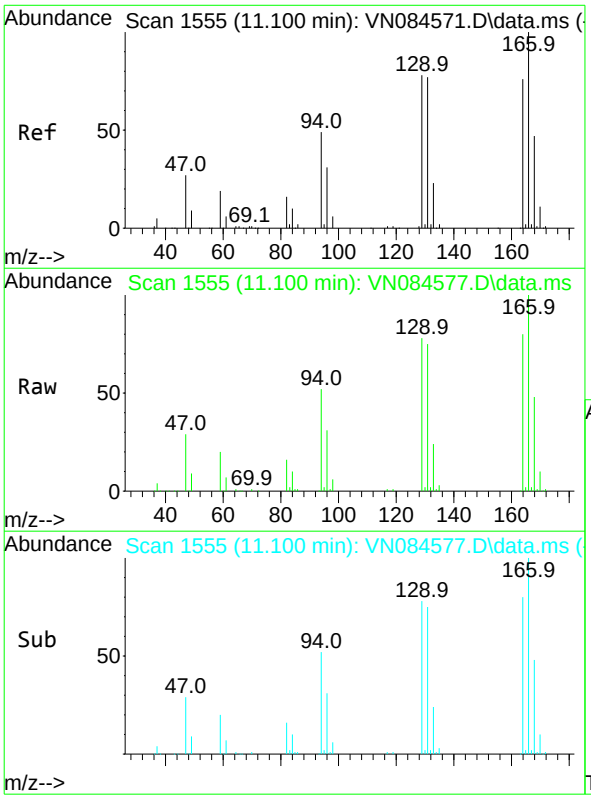
Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.2	70.8
119	32.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

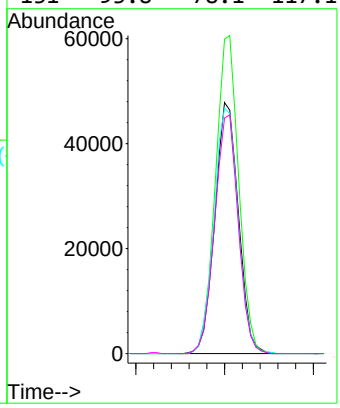
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

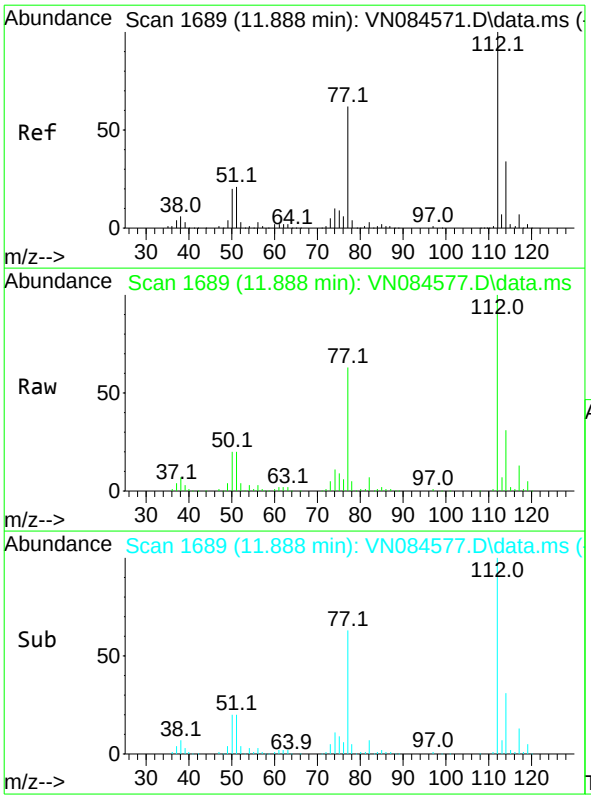


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

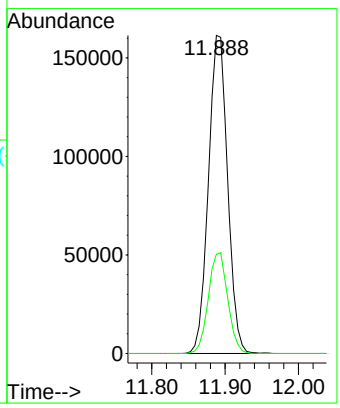




#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:112 Resp: 292713

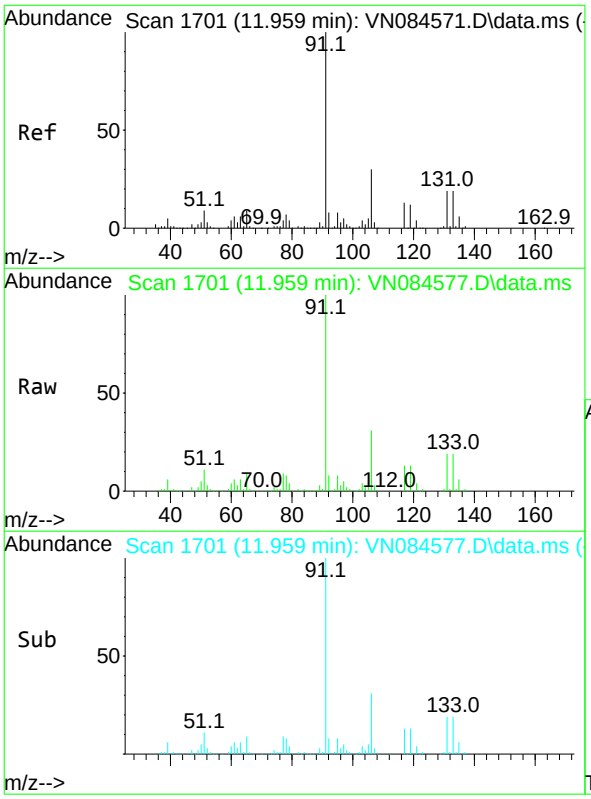
Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

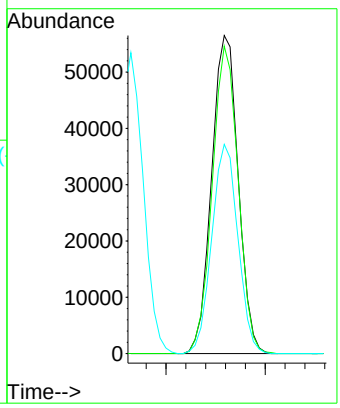
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

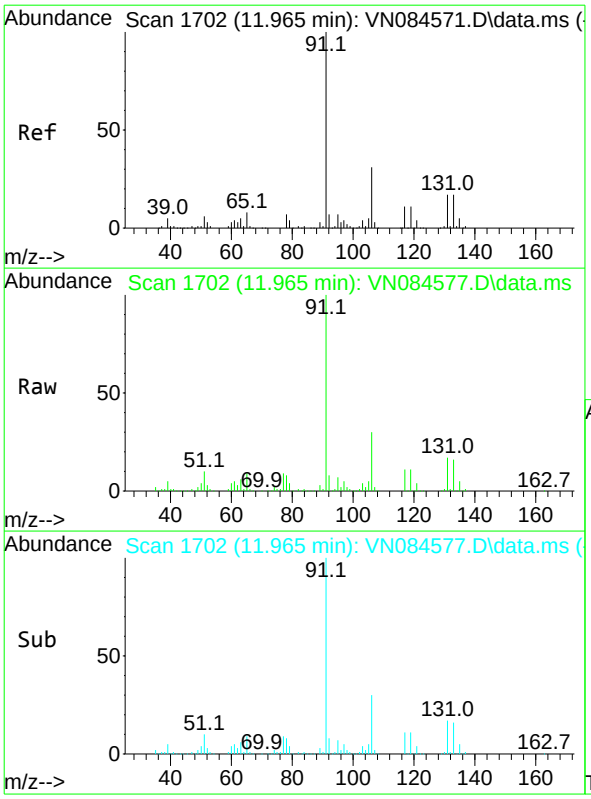


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

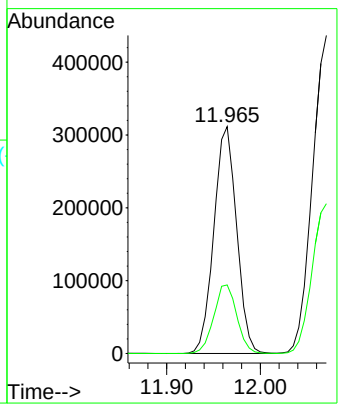




#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 526140

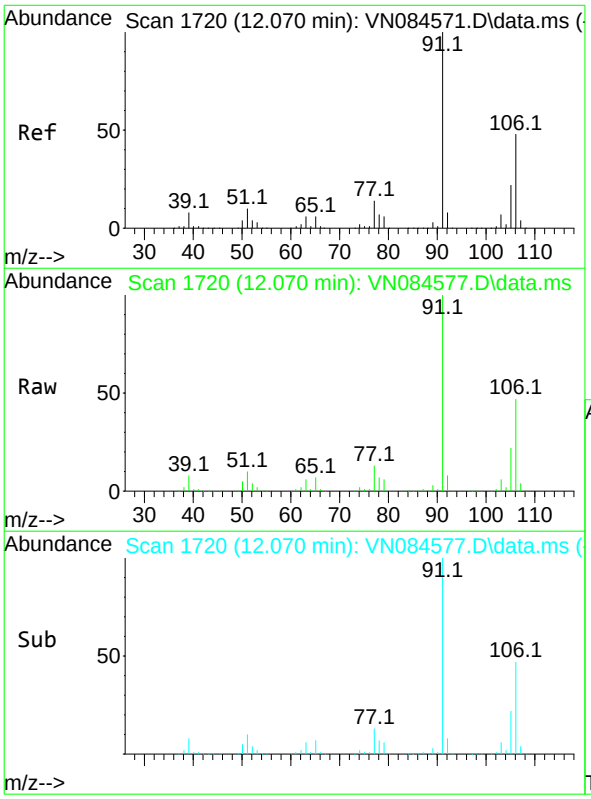
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

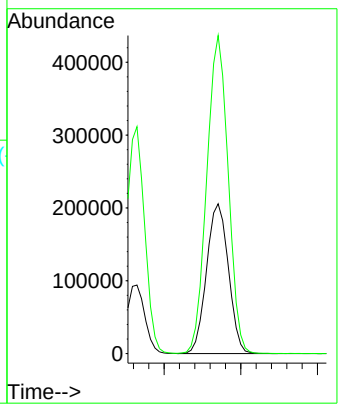
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

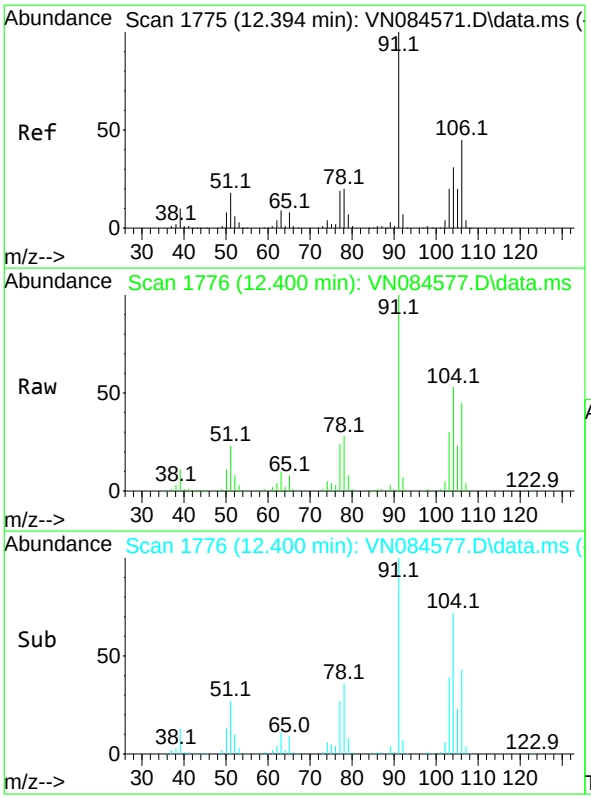


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7

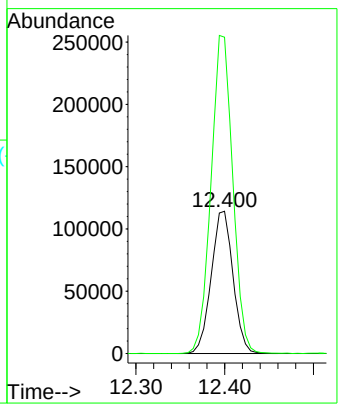




#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 194895

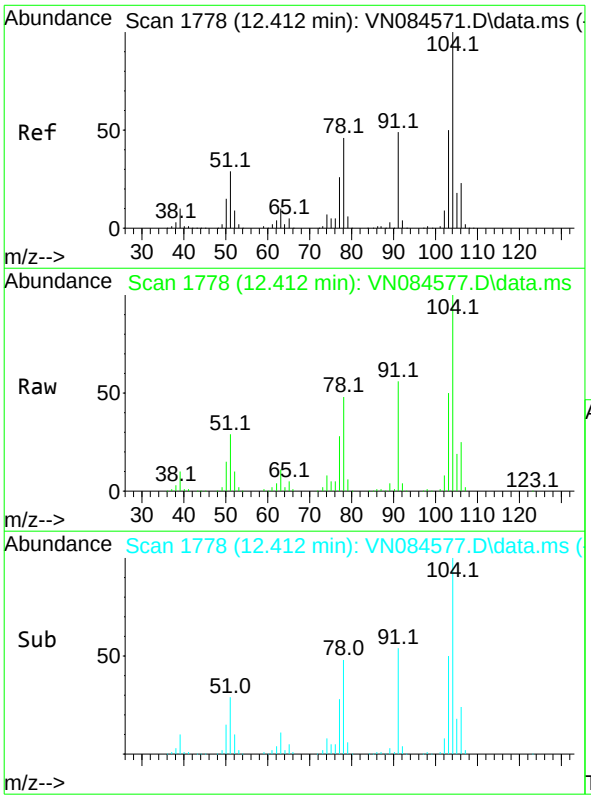
Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

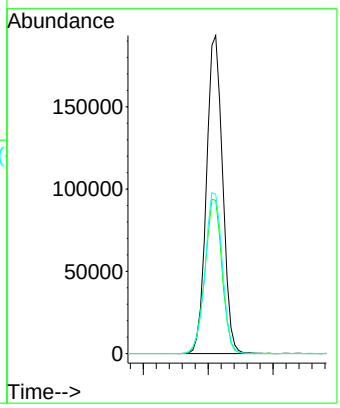
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

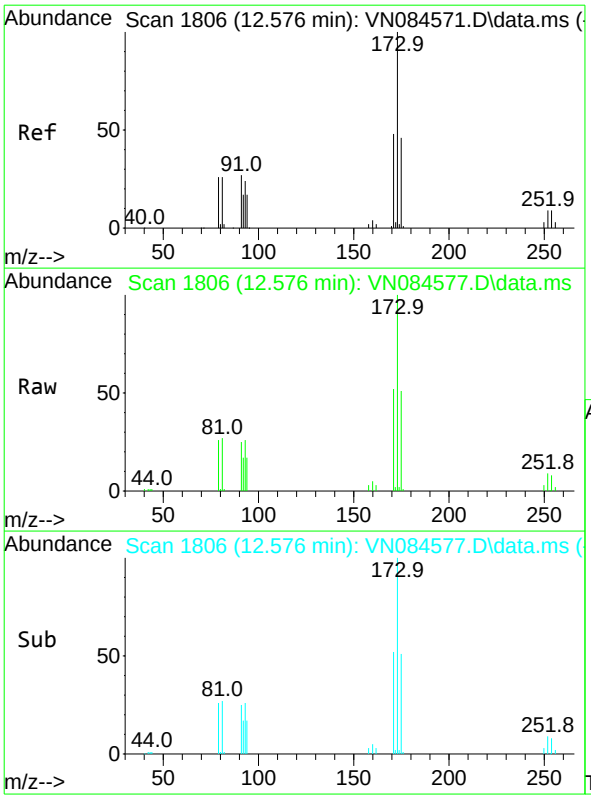


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

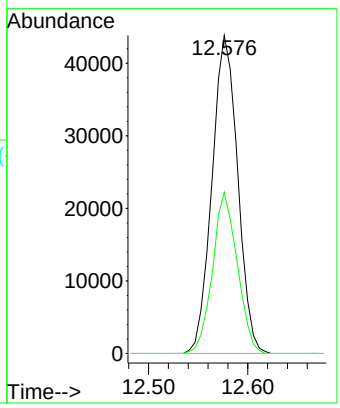




#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:173 Resp: 78822

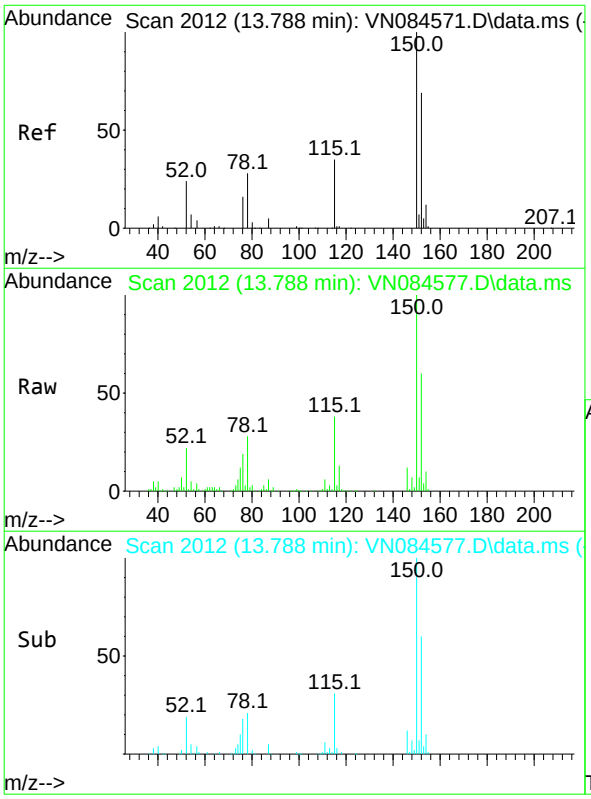
Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

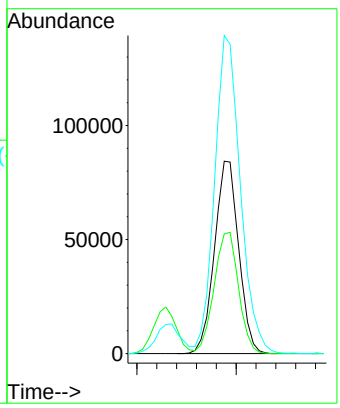
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

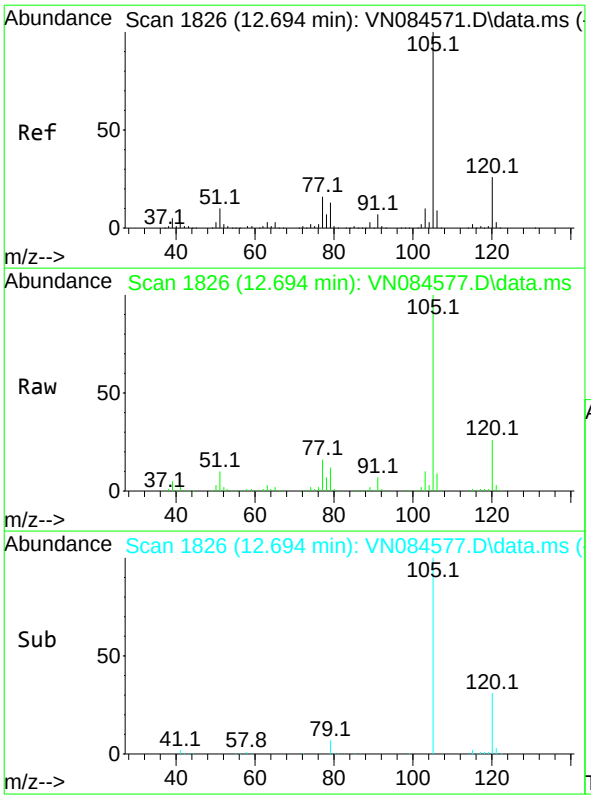


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

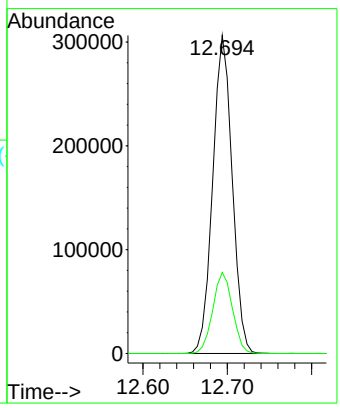




#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 491033

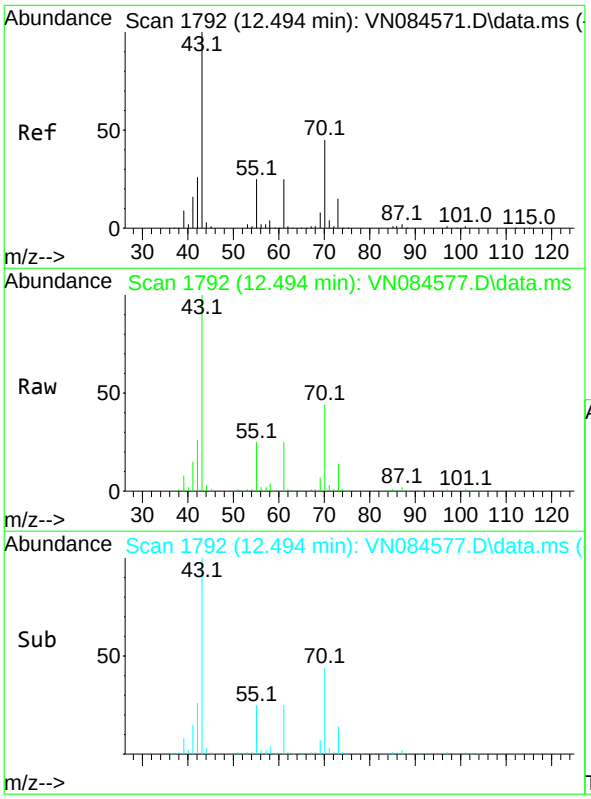
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

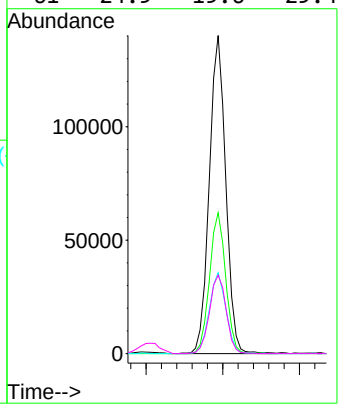
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

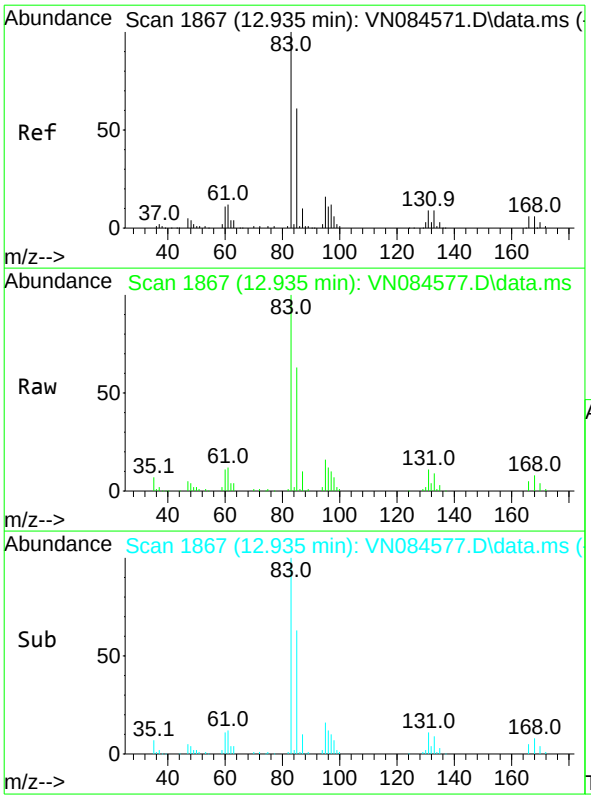


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

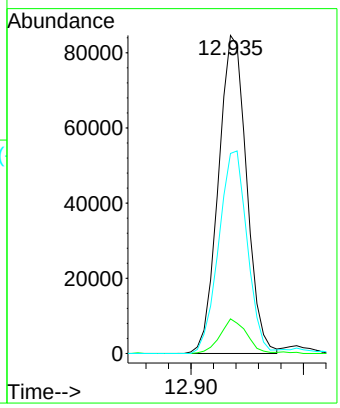




#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 147181

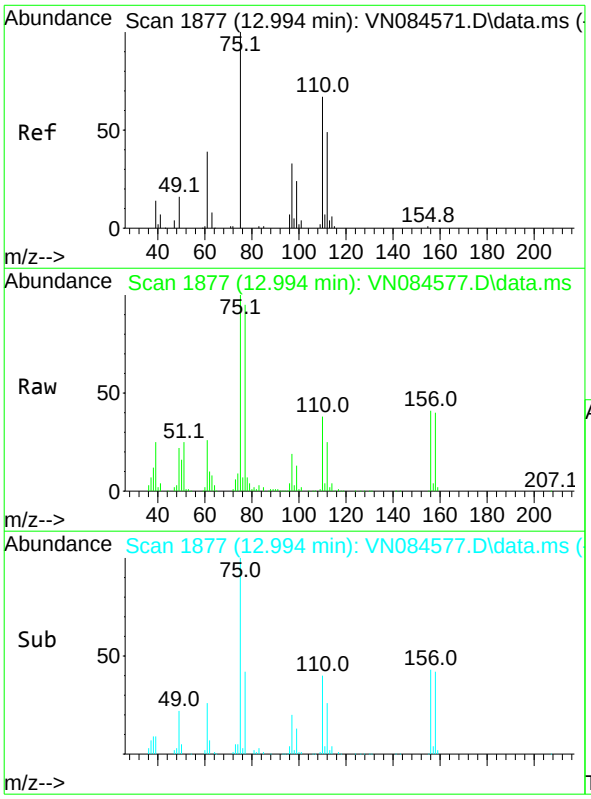
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	64.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

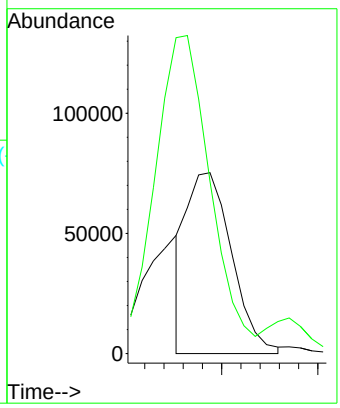
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

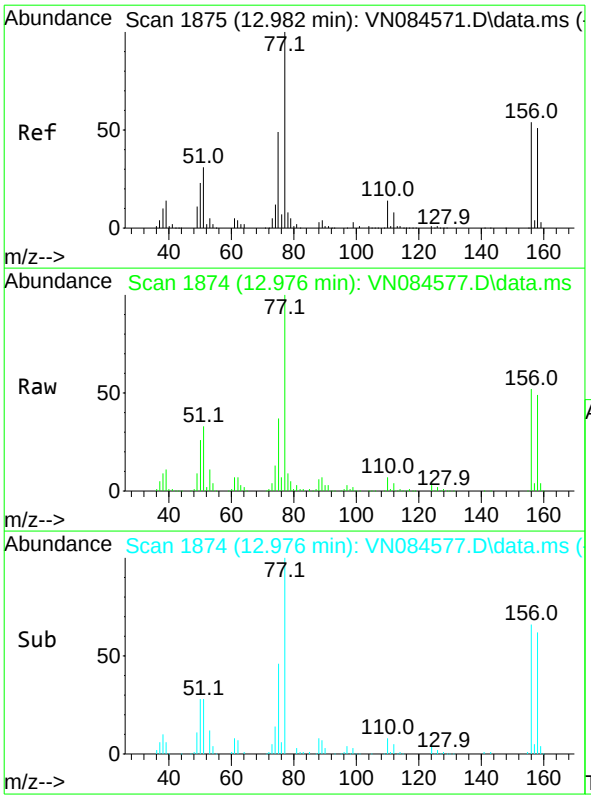


#76
1,2,3-Trichloropropane
Concen: 42.988 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 122725

Ion	Ratio	Lower	Upper
75	100		
77	217.8	96.9	290.7

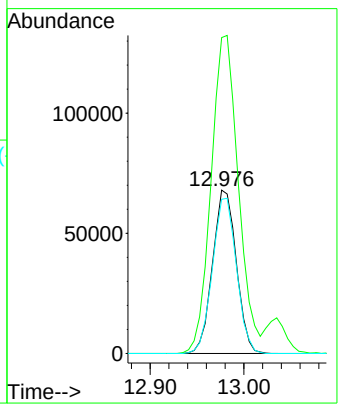




#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:156 Resp: 119728

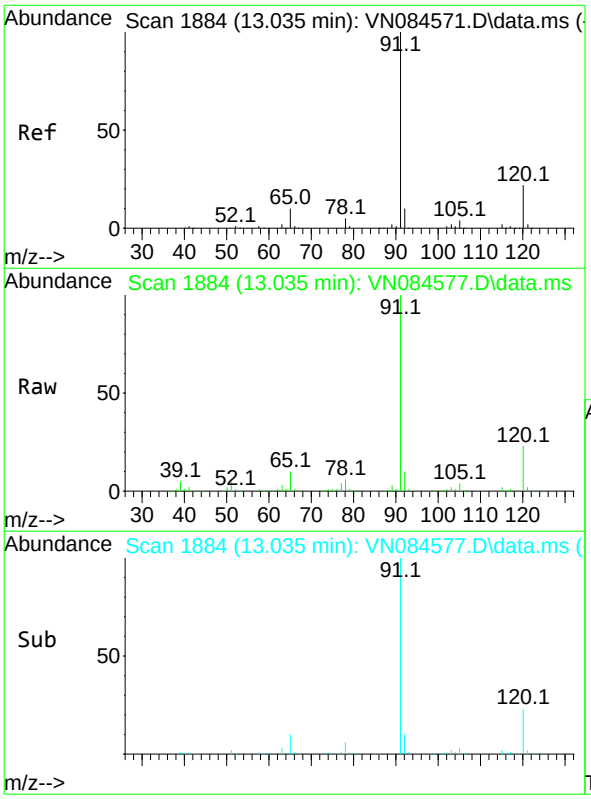
Ion	Ratio	Lower	Upper
156	100		
77	223.2	115.1	345.3
158	96.3	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

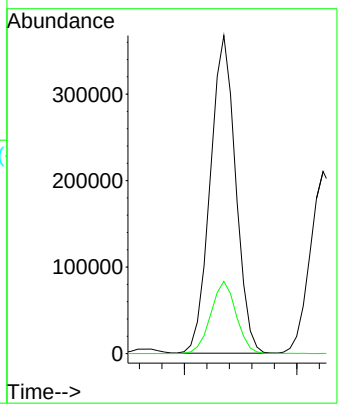
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

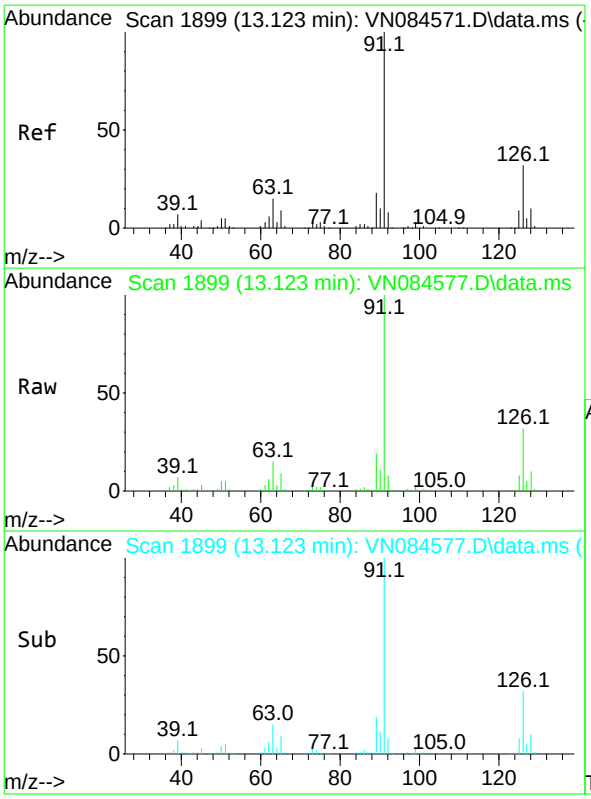


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4

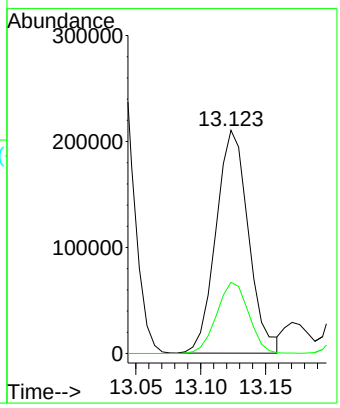




#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 367294

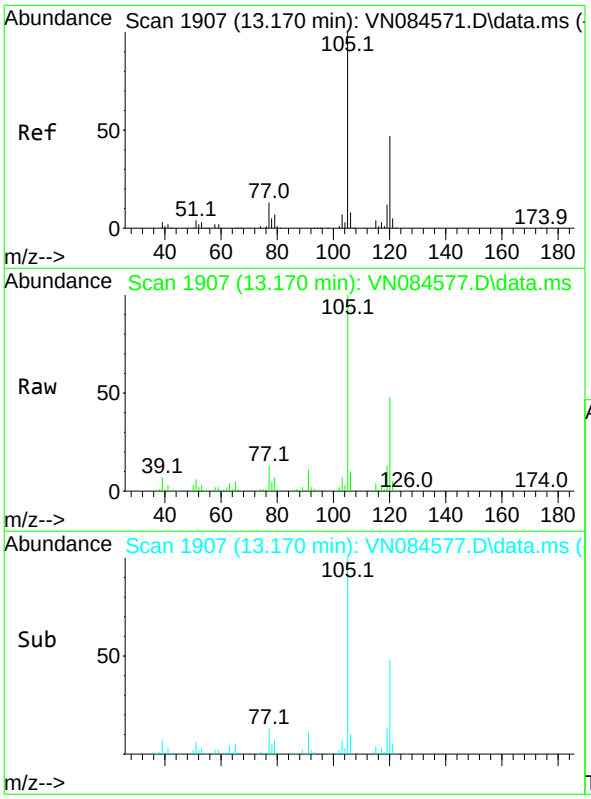
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

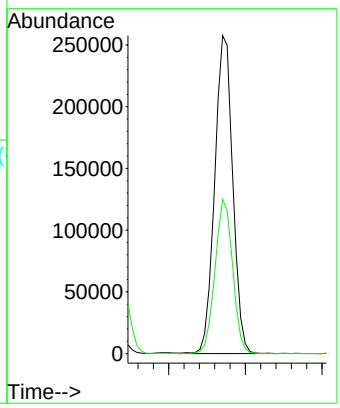
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

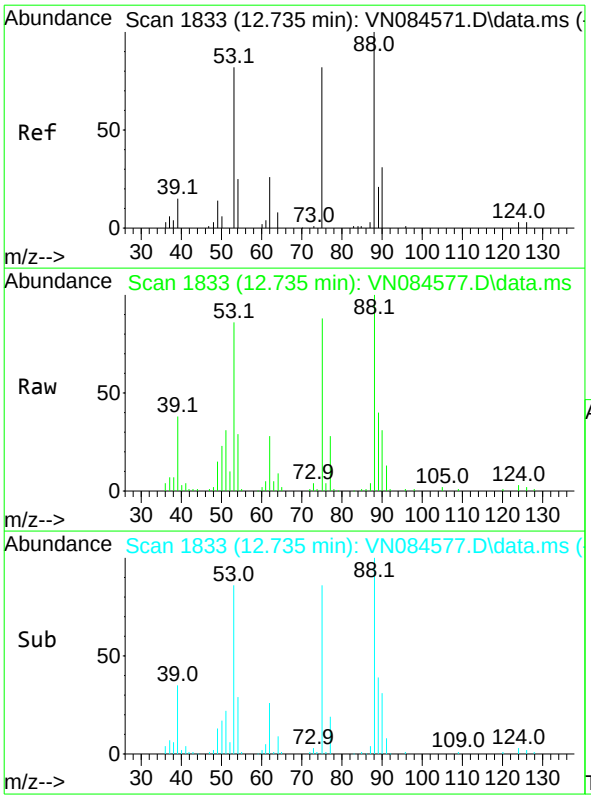


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1

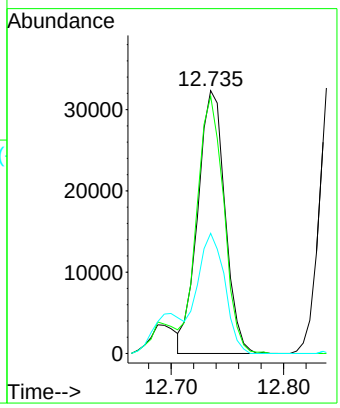




#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 54512

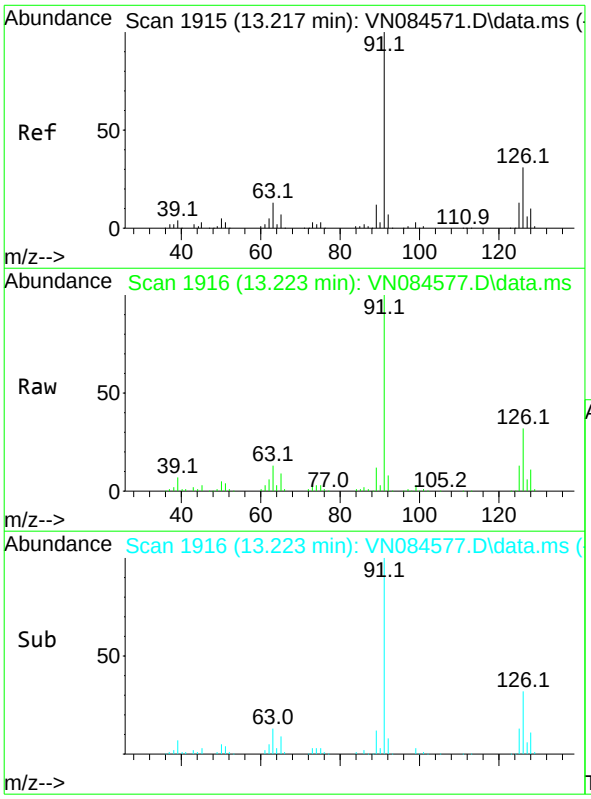
Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.0	117.0
89	45.7	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

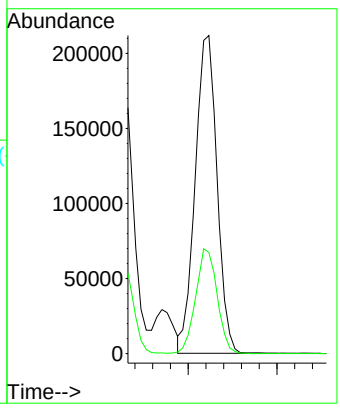
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

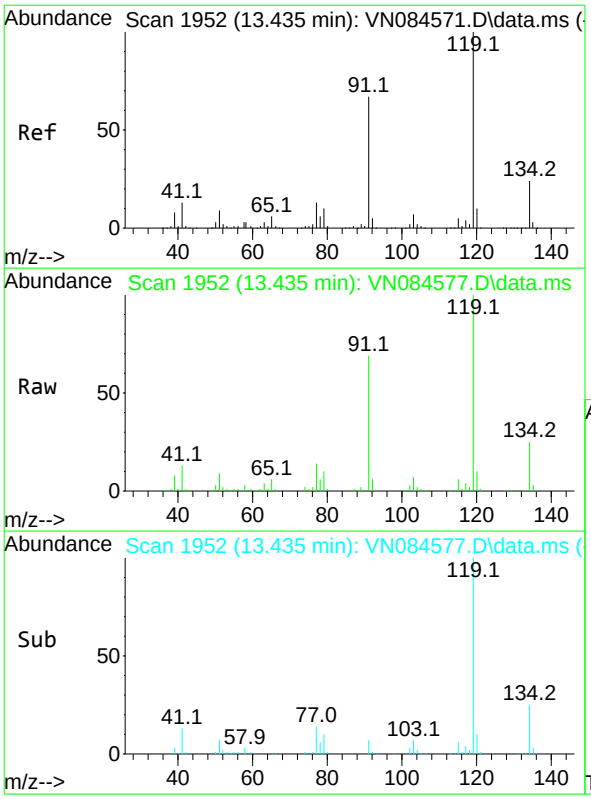


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

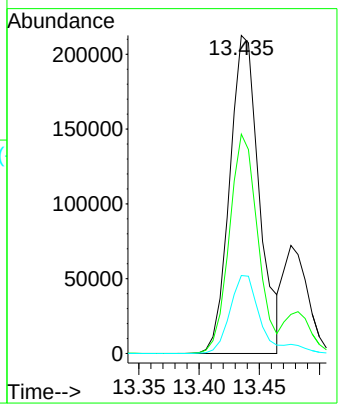




#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:119 Resp: 361800

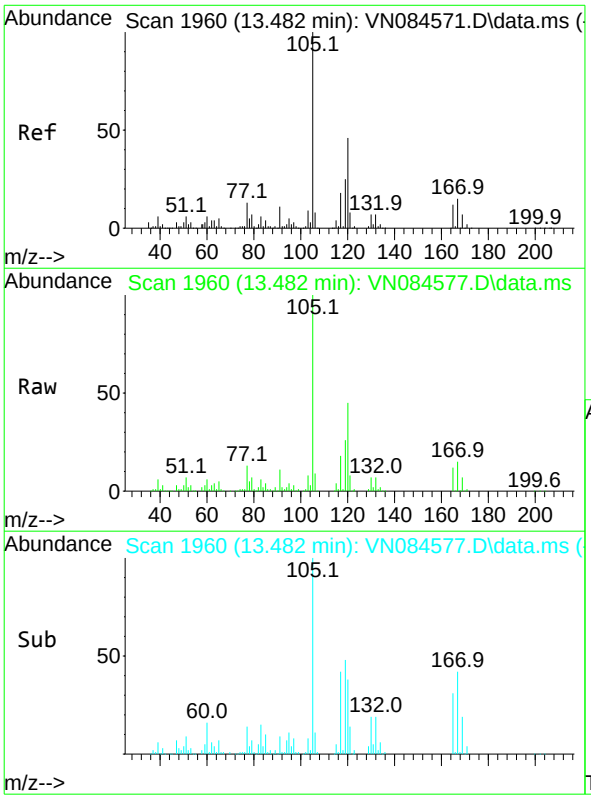
Ion	Ratio	Lower	Upper
119	100		
91	66.3	34.1	102.3
134	26.0	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

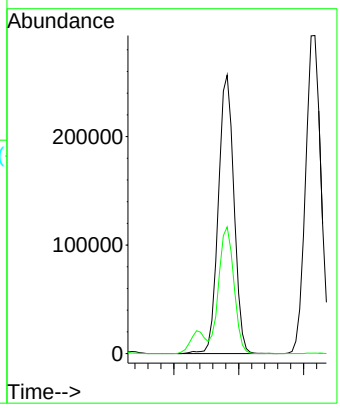
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

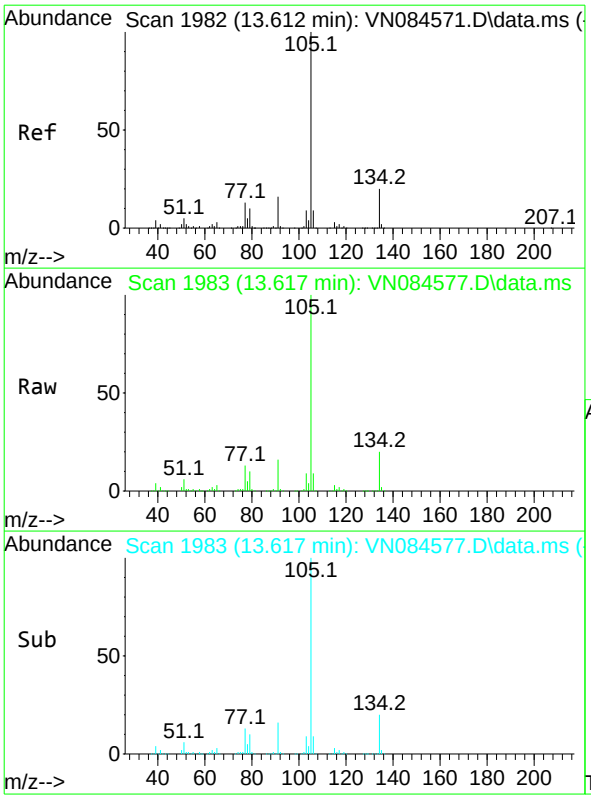


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8

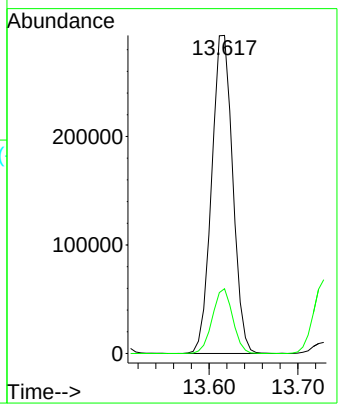




#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 483212

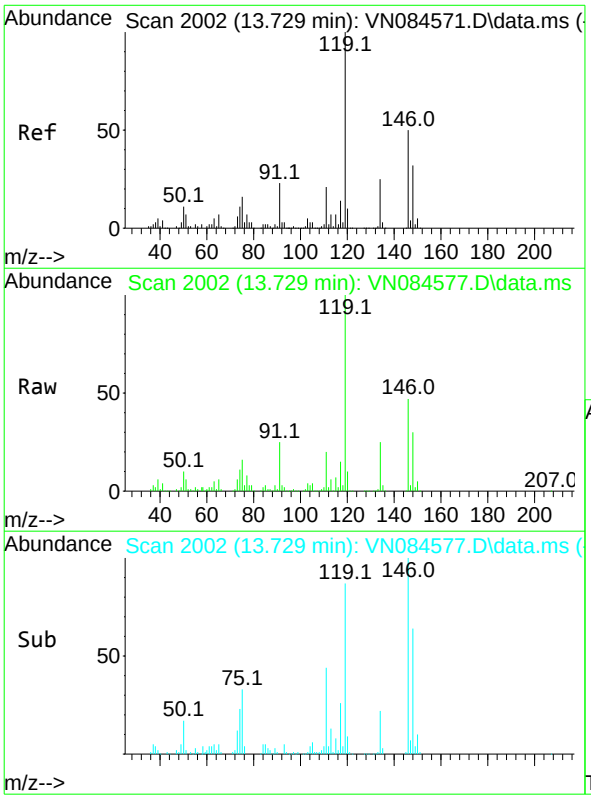
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

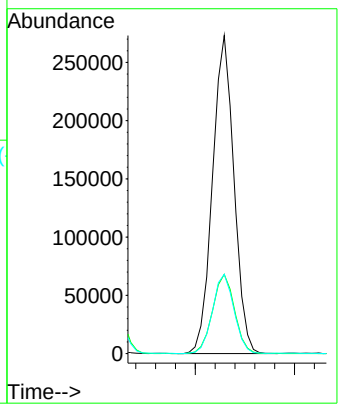
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

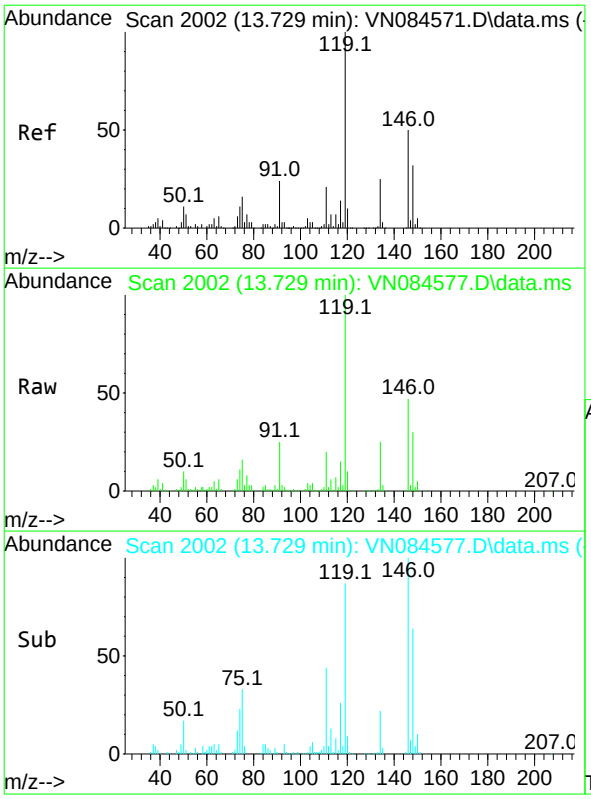


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

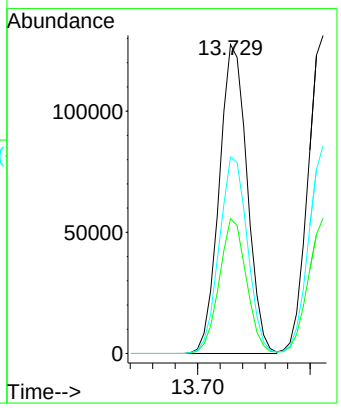




#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 219757

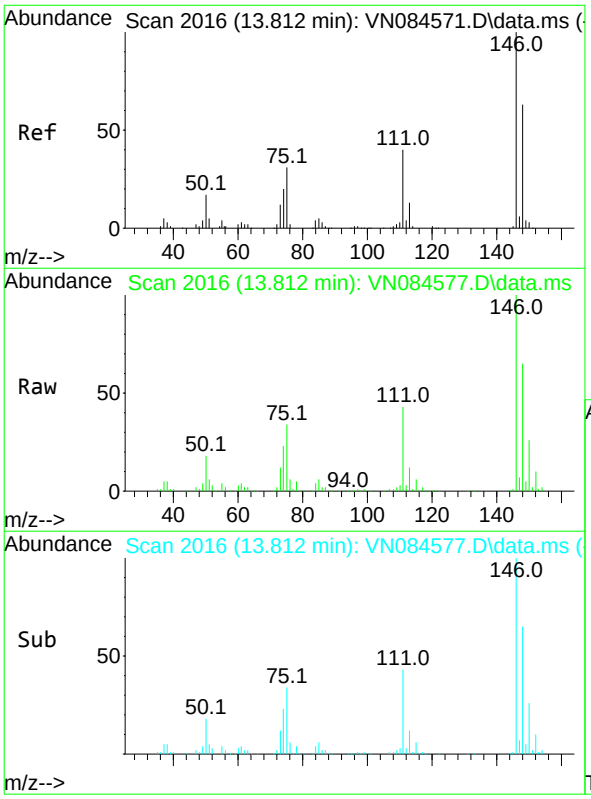
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.8	65.3
148	64.2	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

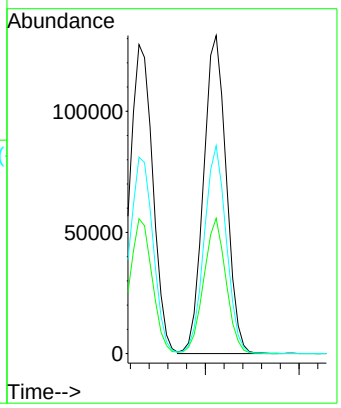
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

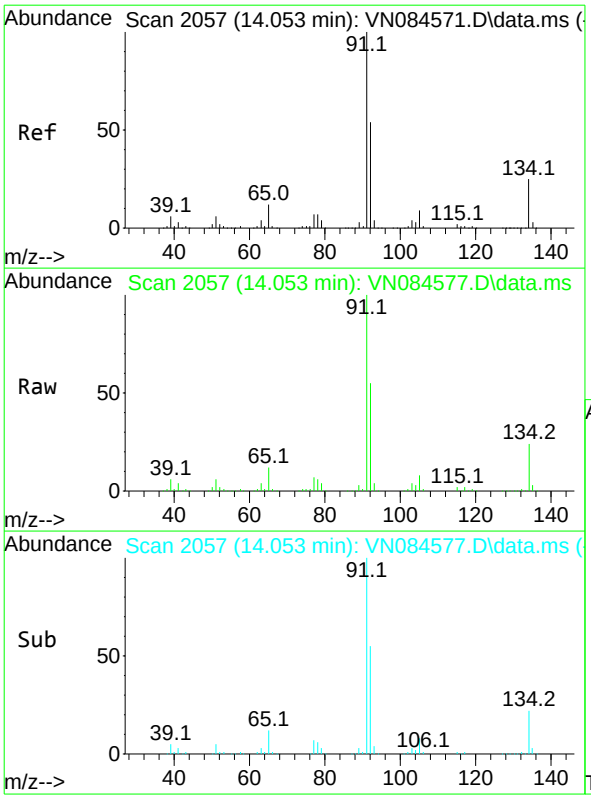


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

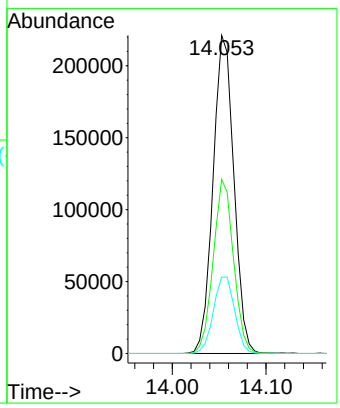




#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 341775

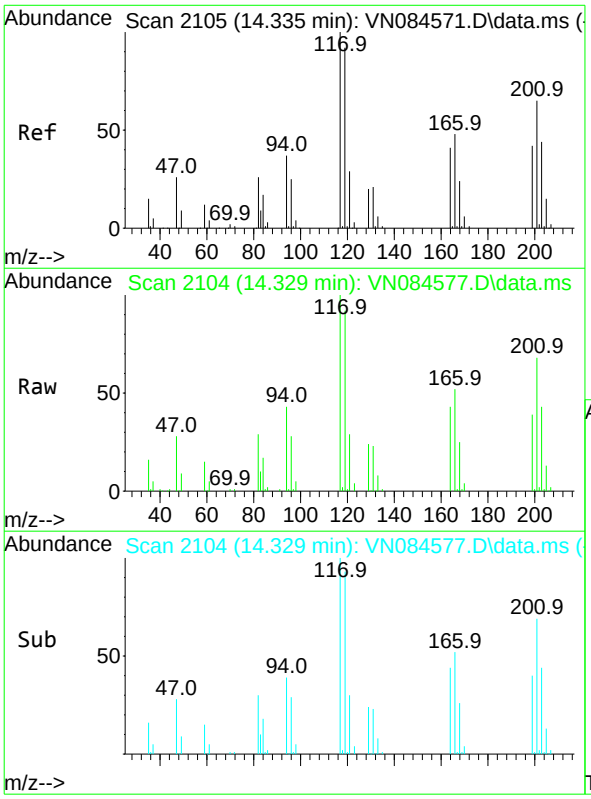
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	24.5	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

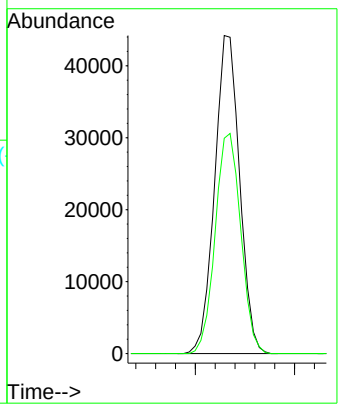
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

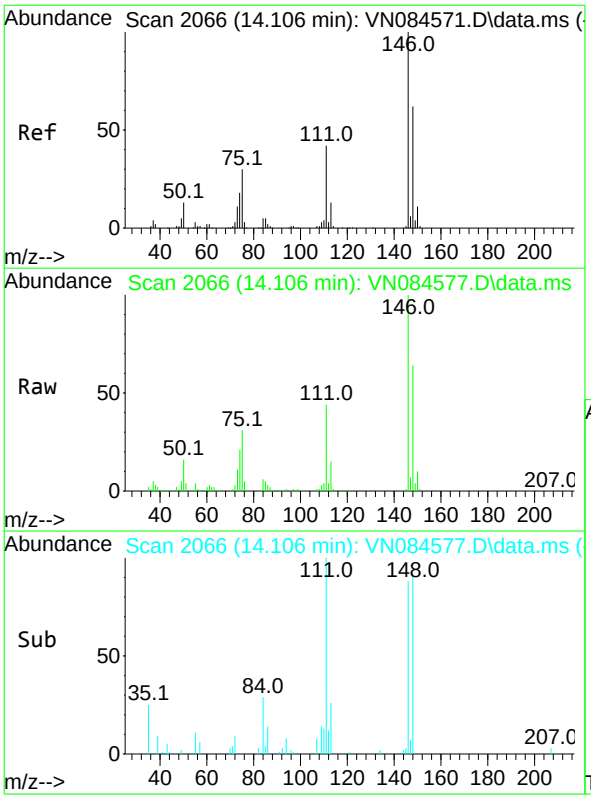


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2

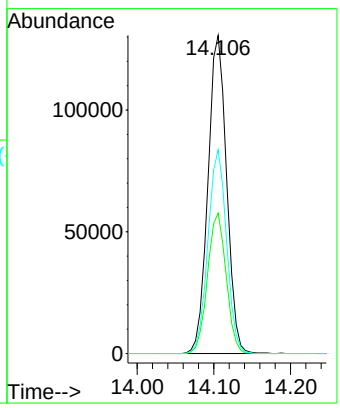




#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:146 Resp: 220824

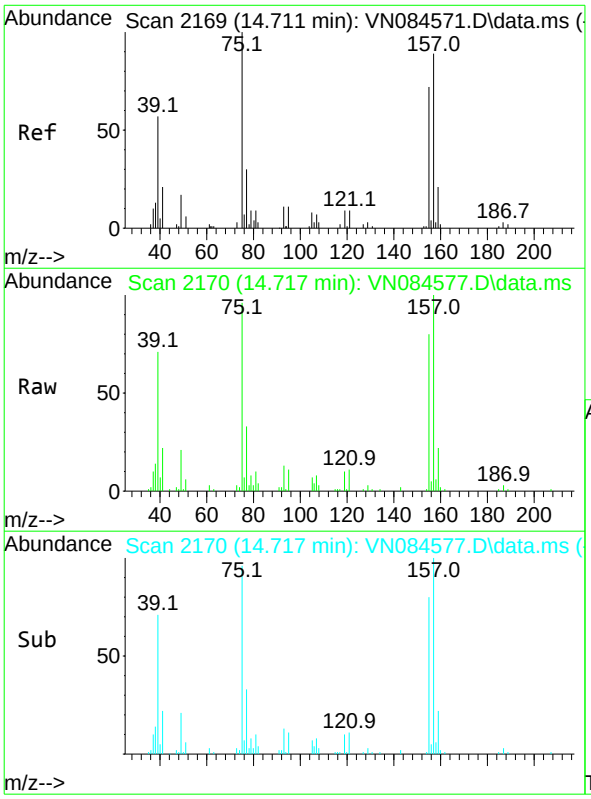
Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.8	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

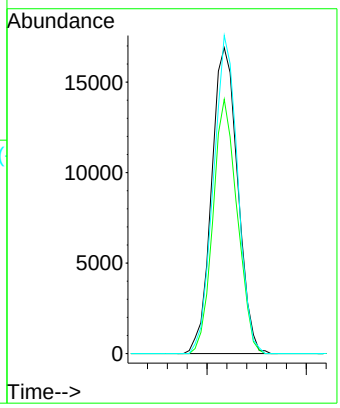
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

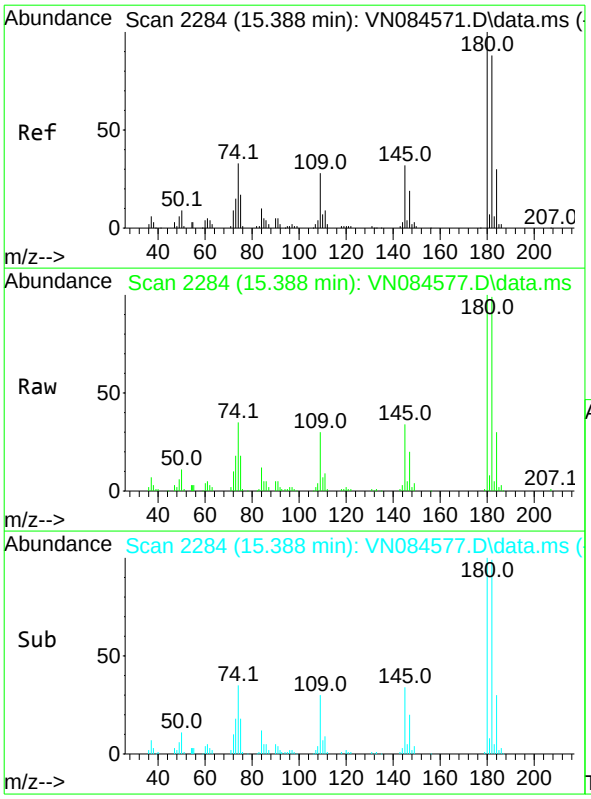


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

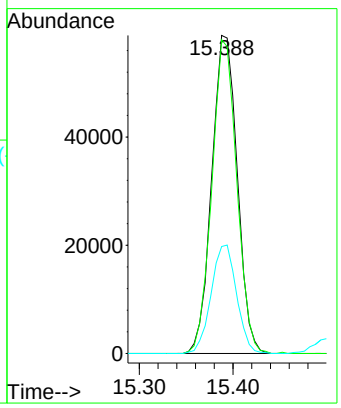




#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:180 Resp: 111270

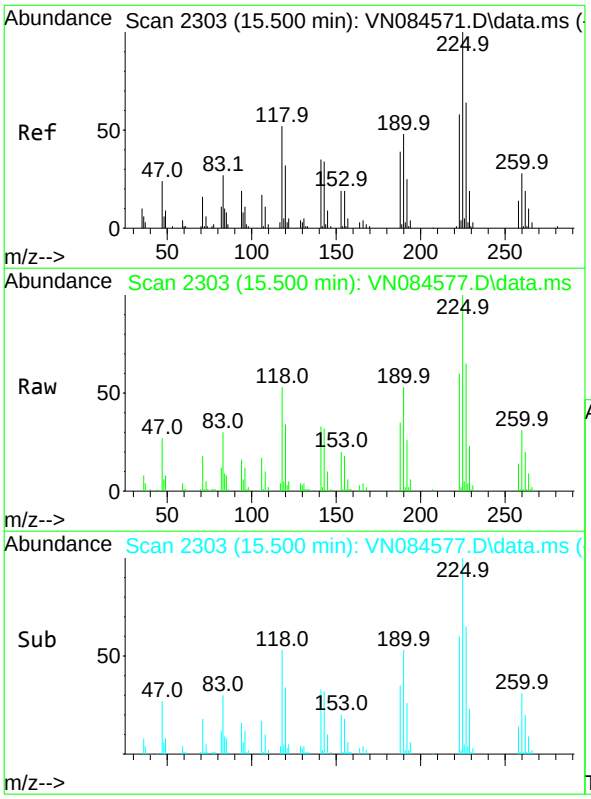
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	34.0	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

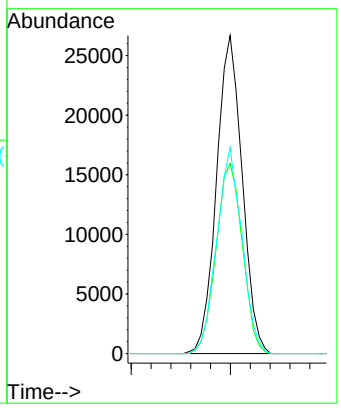
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

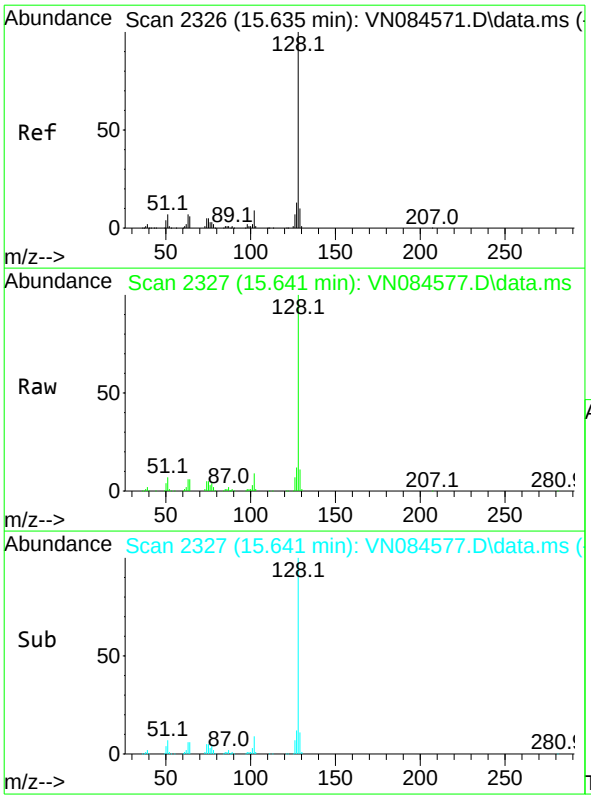


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

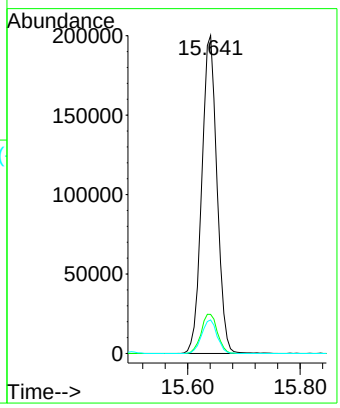




#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:128 Resp: 375360

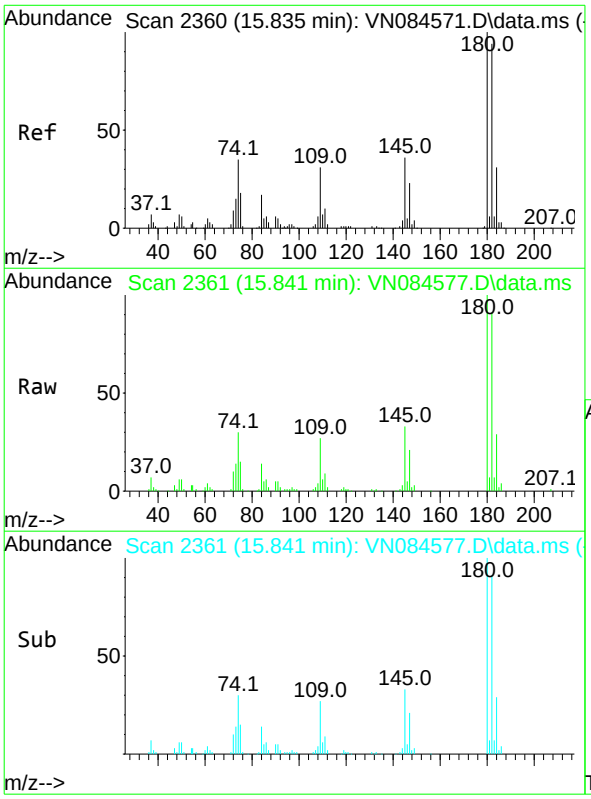
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.7	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations
APPROVED

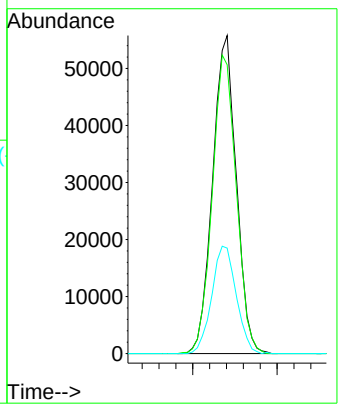
Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



#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.: P4665 SAS No.: P4665 SDG No.: P4665

Instrument ID: MSVOA_N Calibration Date/Time: 11/01/2024 10:22

Lab File ID: VN084628.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	0.582	0.1	-38.87	20
Vinyl Chloride	0.618	0.566		-8.41	20
Bromomethane	0.328	0.288		-12.19	20
Chloroethane	0.488	0.364		-25.41	20
Trichlorofluoromethane	1.018	0.944		-7.27	20
1,1,2-Trichlorotrifluoroethane	0.575	0.549		-4.52	20
1,1-Dichloroethene	0.569	0.502		-11.77	20
Acetone	0.238	0.204		-14.29	20
Carbon Disulfide	1.753	1.480		-15.57	20
Methyl tert-butyl Ether	1.745	1.720		-1.43	20
Methylene Chloride	0.635	0.598		-5.83	20
trans-1,2-Dichloroethene	0.585	0.542		-7.35	20
1,1-Dichloroethane	1.102	1.047	0.1	-4.99	20
2-Butanone	0.337	0.326		-3.26	20
Carbon Tetrachloride	0.525	0.514		-2.1	20
cis-1,2-Dichloroethene	0.683	0.652		-4.54	20
Chloroform	1.121	1.078		-3.84	20
1,1,1-Trichloroethane	1.021	0.967		-5.29	20
Methylcyclohexane	0.478	0.490		2.51	20
Benzene	1.507	1.457		-3.32	20
1,2-Dichloroethane	0.488	0.484		-0.82	20
Trichloroethene	0.348	0.325		-6.61	20
1,2-Dichloropropane	0.354	0.356		0.56	20
Bromodichloromethane	0.526	0.522		-0.76	20
4-Methyl-2-Pentanone	0.406	0.430		5.91	20
Toluene	0.882	0.905		2.61	20
t-1,3-Dichloropropene	0.544	0.517		-4.96	20
cis-1,3-Dichloropropene	0.576	0.566		-1.74	20
1,1,2-Trichloroethane	0.332	0.331		-0.3	20
2-Hexanone	0.296	0.316		6.76	20
Dibromochloromethane	0.378	0.401		6.09	20
Tetrachloroethene	0.333	0.327		-1.8	20
Chlorobenzene	1.119	1.038	0.3	-7.24	20
Ethyl Benzene	1.867	1.850		-0.91	20
m/p-Xylenes	0.707	0.721		1.98	20
o-Xylene	0.661	0.681		3.03	20
Styrene	1.154	1.181		2.34	20
Bromoform	0.293	0.294	0.1	0.34	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.: P4665 SAS No.: P4665 SDG No.: P4665

Instrument ID: MSVOA_N Calibration Date/Time: 11/01/2024 10:22

Lab File ID: VN084628.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	3.470		-0.97	20
1,1,2,2-Tetrachloroethane	1.170	1.079	0.3	-7.78	20
1,3-Dichlorobenzene	1.838	1.617		-12.02	20
1,4-Dichlorobenzene	1.937	1.621		-16.31	20
1,2-Dichlorobenzene	1.766	1.620		-8.27	20
1,2-Dichloroethane-d4	0.722	0.644		-10.8	20
Dibromofluoromethane	0.338	0.325		-3.85	20
Toluene-d8	1.247	1.185		-4.97	20
4-Bromofluorobenzene	0.466	0.451		-3.22	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:22:04 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 :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	184180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118600	44.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.160%			
35) Dibromofluoromethane	8.159	113	97295	47.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.980%			
50) Toluene-d8	10.565	98	355060	47.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.080%			
62) 4-Bromofluorobenzene	12.847	95	135136	48.418	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	99144	46.826	ug/l	91
3) Chloromethane	2.359	50	107183	42.778	ug/l	98
4) Vinyl Chloride	2.512	62	104274	45.789	ug/l	97
5) Bromomethane	2.900	94	53126	44.031	ug/l	96
6) Chloroethane	3.065	64	66956	47.426	ug/l	95
7) Trichlorofluoromethane	3.465	101	173945	46.369	ug/l	97
8) Diethyl Ether	3.953	74	62657	47.349	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101057	47.675	ug/l	99
10) Methyl Iodide	4.577	142	130086	45.919	ug/l	99
11) Tert butyl alcohol	5.536	59	73446	209.166	ug/l	99
12) 1,1-Dichloroethene	4.324	96	92527	44.115	ug/l	97
13) Acrolein	4.171	56	93401	266.751	ug/l	98
14) Allyl chloride	5.012	41	159256	46.819	ug/l	92
15) Acrylonitrile	5.718	53	245055	241.071	ug/l	99
16) Acetone	4.424	43	188254	244.929	ug/l	93
17) Carbon Disulfide	4.700	76	272518	42.191	ug/l	96
18) Methyl Acetate	5.018	43	127182	44.902	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	316868	49.289	ug/l	99
20) Methylene Chloride	5.265	84	110189	47.096	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	99799	46.339	ug/l	100
22) Diisopropyl ether	6.665	45	334786	49.533	ug/l	98
23) Vinyl Acetate	6.600	43	1167096	250.398	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192812	47.516	ug/l	96
25) 2-Butanone	7.482	43	300076	241.790	ug/l	97
26) 2,2-Dichloropropane	7.488	77	171112	48.449	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	120101	47.758	ug/l	96
28) Bromochloromethane	7.812	49	90567	56.020	ug/l	96
29) Tetrahydrofuran	7.835	42	203801	247.530	ug/l	97
30) Chloroform	7.959	83	198531	48.069	ug/l	98
31) Cyclohexane	8.253	56	161647	44.014	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	178041	47.362	ug/l	98
36) 1,1-Dichloropropene	8.365	75	134844	47.960	ug/l	99
37) Ethyl Acetate	7.559	43	128683	50.445	ug/l	99
38) Carbon Tetrachloride	8.359	117	153837	48.951	ug/l	96
39) Methylcyclohexane	9.600	83	146769	51.312	ug/l	97
40) Benzene	8.600	78	436290	48.319	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:22:04 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 :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	73571	53.631 ug/l	97
42) 1,2-Dichloroethane	8.671	62	145026	49.594 ug/l	99
43) Isopropyl Acetate	8.688	43	218643	46.323 ug/l	98
44) Trichloroethene	9.347	130	97430	46.787 ug/l	94
45) 1,2-Dichloropropane	9.618	63	106599	50.327 ug/l	97
46) Dibromomethane	9.706	93	75062	50.221 ug/l	98
47) Bromodichloromethane	9.888	83	156271	49.601 ug/l	99
48) Methyl methacrylate	9.676	41	105317	53.047 ug/l	99
49) 1,4-Dioxane	9.694	88	37747	1072.921 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	643803	264.740 ug/l	99
52) Toluene	10.629	92	271189	51.353 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	154705	47.438 ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	169654	49.152 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	99093	49.815 ug/l	95
56) Ethyl methacrylate	10.876	69	157649	54.790 ug/l	97
57) 1,3-Dichloropropane	11.165	76	172023	50.388 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	394841	293.256 ug/l	96
59) 2-Hexanone	11.194	43	473287	267.380 ug/l	97
60) Dibromochloromethane	11.359	129	120058	52.956 ug/l	99
61) 1,2-Dibromoethane	11.470	107	101240	49.699 ug/l	97
64) Tetrachloroethene	11.106	164	88769	49.207 ug/l	96
65) Chlorobenzene	11.888	112	281585	46.410 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	101931	48.299 ug/l	99
67) Ethyl Benzene	11.965	91	501636	49.531 ug/l	99
68) m/p-Xylenes	12.070	106	390896	101.948 ug/l	98
69) o-Xylene	12.400	106	184603	51.466 ug/l	99
70) Styrene	12.412	104	320232	51.179 ug/l	99
71) Bromoform	12.576	173	79820	50.263 ug/l #	96
73) Isopropylbenzene	12.694	105	473125	49.514 ug/l	100
74) N-amyl acetate	12.494	43	198462	48.799 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	147150	46.136 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	120621m	44.254 ug/l	
77) Bromobenzene	12.982	156	119190	46.399 ug/l	91
78) n-propylbenzene	13.035	91	554194	49.493 ug/l	98
79) 2-Chlorotoluene	13.123	91	352750	48.213 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	402880	50.871 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	52289	45.512 ug/l	99
82) 4-Chlorotoluene	13.223	91	354928	46.096 ug/l	99
83) tert-Butylbenzene	13.441	119	340435	51.939 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	418264	51.171 ug/l	100
85) sec-Butylbenzene	13.617	105	462789	49.984 ug/l	100
86) p-Isopropyltoluene	13.729	119	394941	52.012 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	220467	43.977 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	221013	48.021 ug/l	99
89) n-Butylbenzene	14.059	91	330406	46.517 ug/l	99
90) Hexachloroethane	14.335	117	77615	45.835 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	220854	45.845 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28485	44.085 ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	108547	41.167 ug/l	99
94) Hexachlorobutadiene	15.500	225	46422	40.091 ug/l	97
95) Naphthalene	15.641	128	347756	44.063 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	106880	41.757 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:22:04 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 :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

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

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

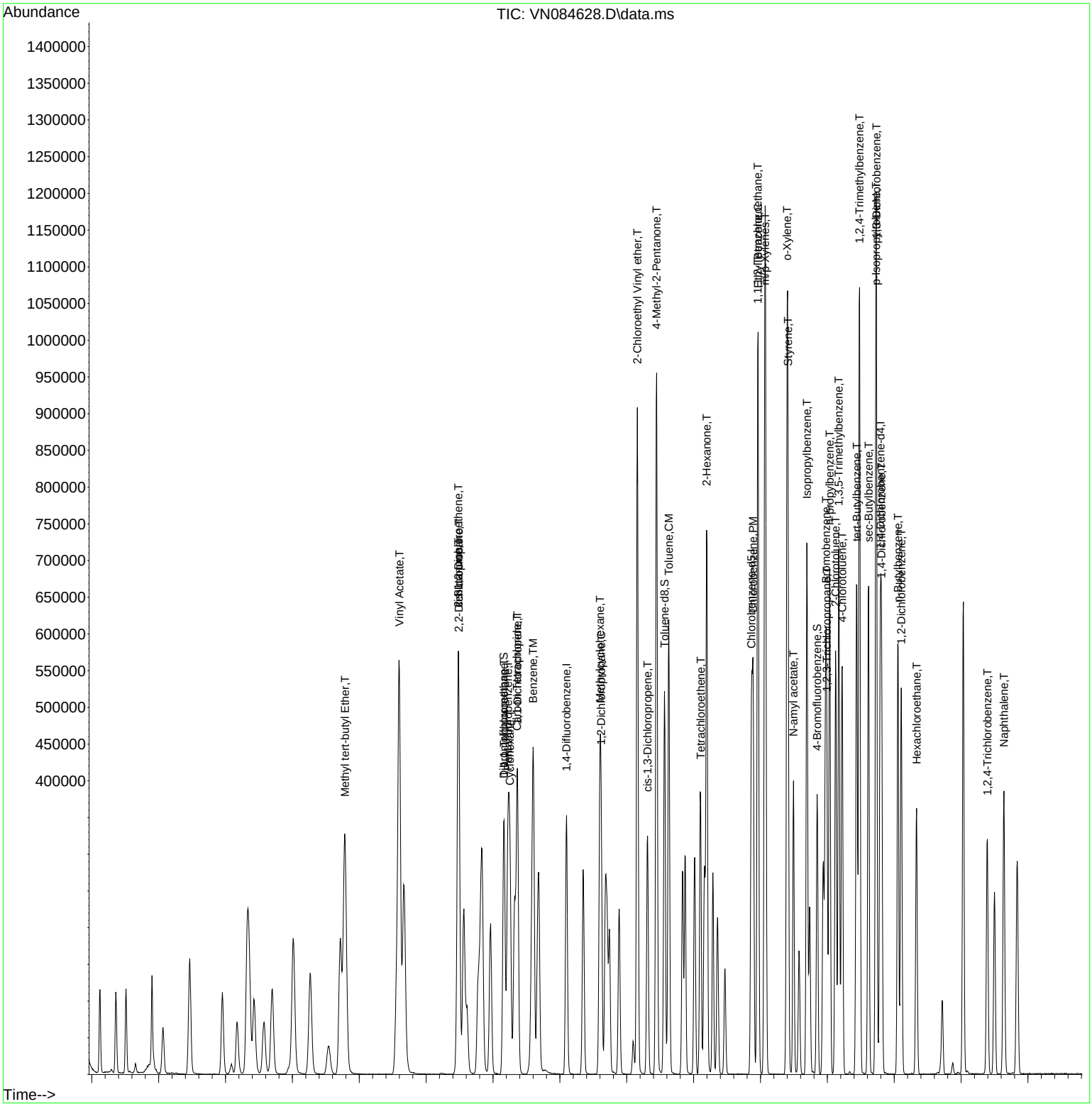
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

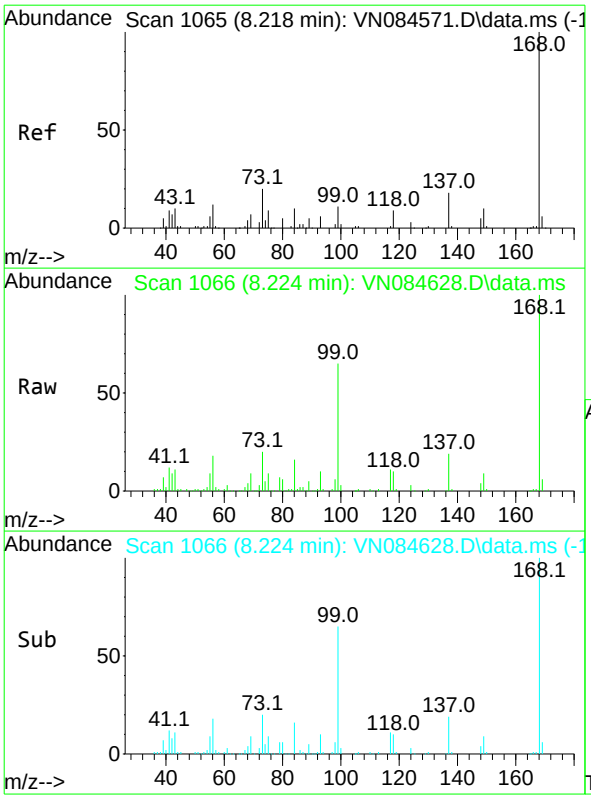
Quant Time: Nov 04 04:22:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

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

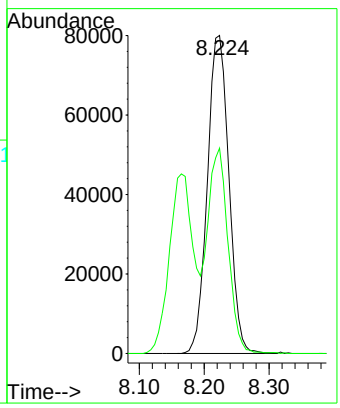




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:168 Resp: 184180

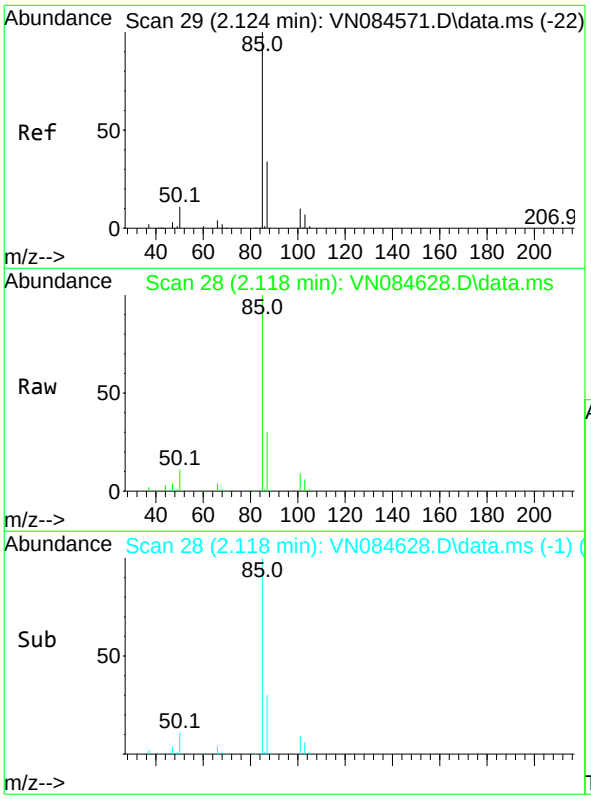
Ion	Ratio	Lower	Upper
168	100		
99	64.3	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

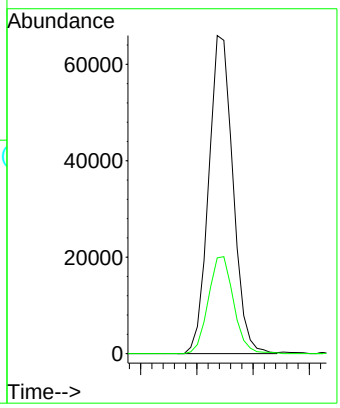
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

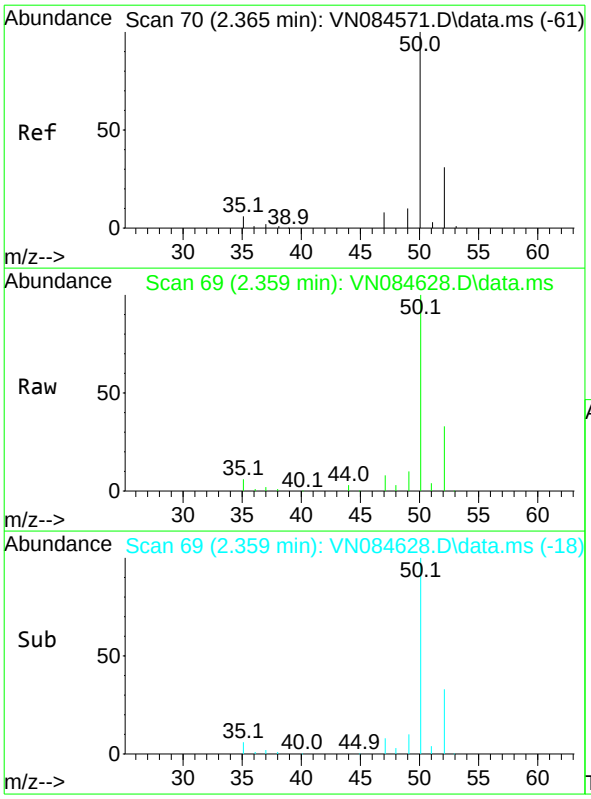


#2
Dichlorodifluoromethane
Concen: 46.826 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 85 Resp: 99144

Ion	Ratio	Lower	Upper
85	100		
87	30.1	17.6	52.9

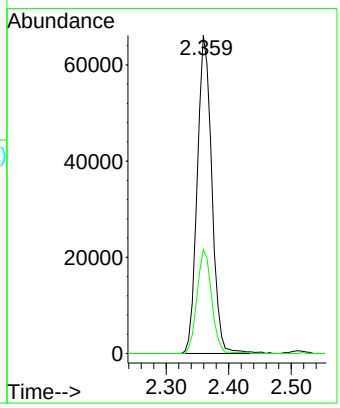




#3
Chloromethane
Concen: 42.778 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 50 Resp: 107183

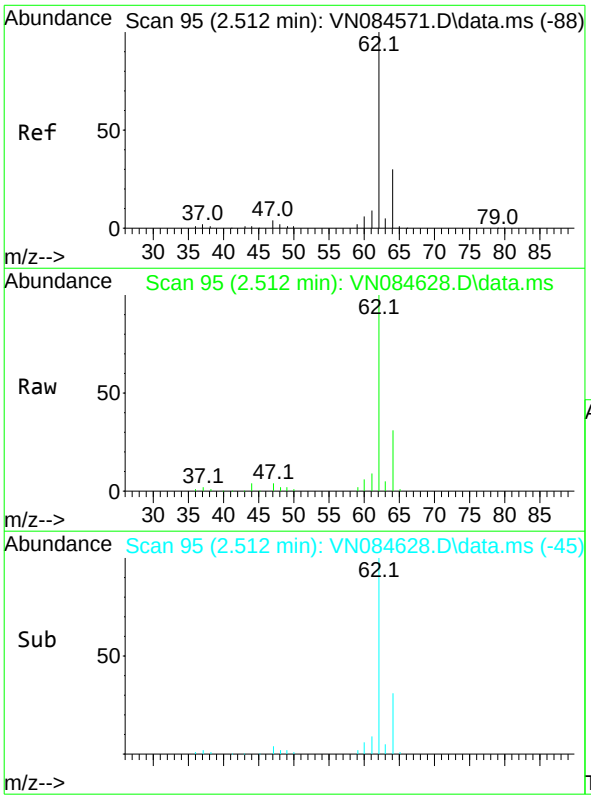
Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

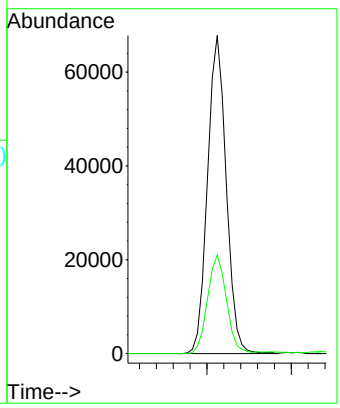
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

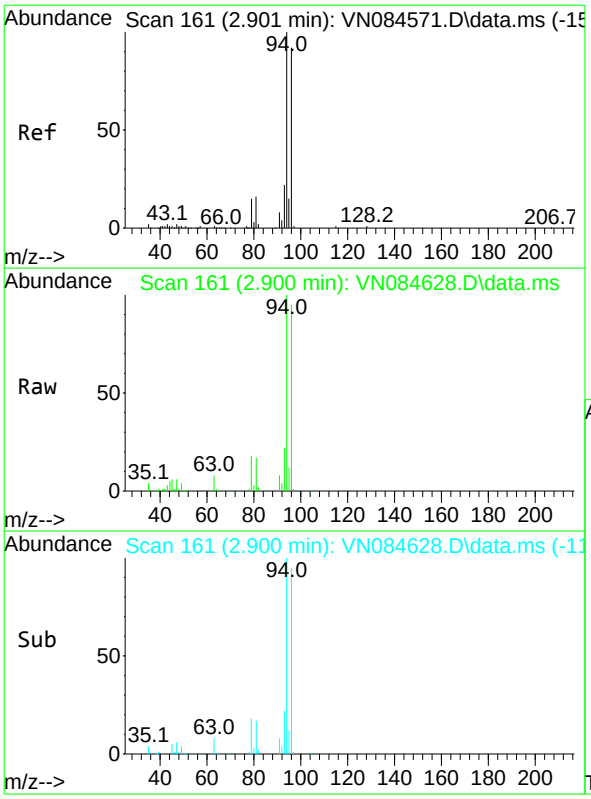


#4
Vinyl Chloride
Concen: 45.789 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 62 Resp: 104274

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4

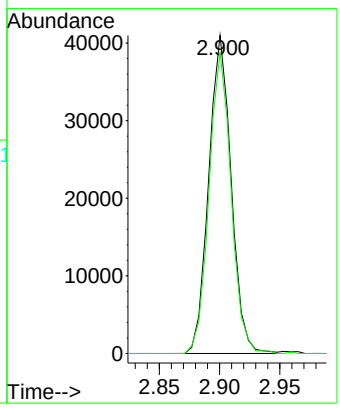




#5
Bromomethane
Concen: 44.031 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 94 Resp: 53126

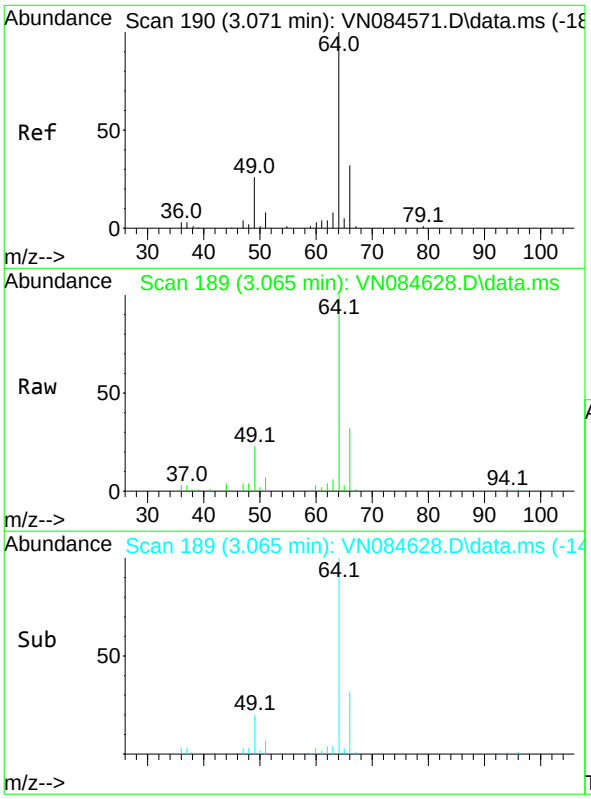
Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

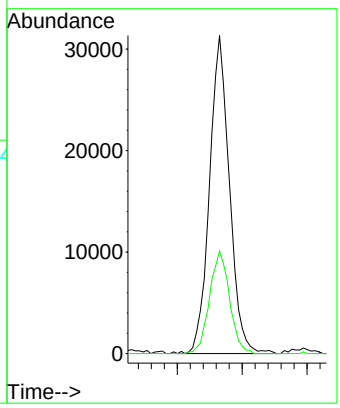
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

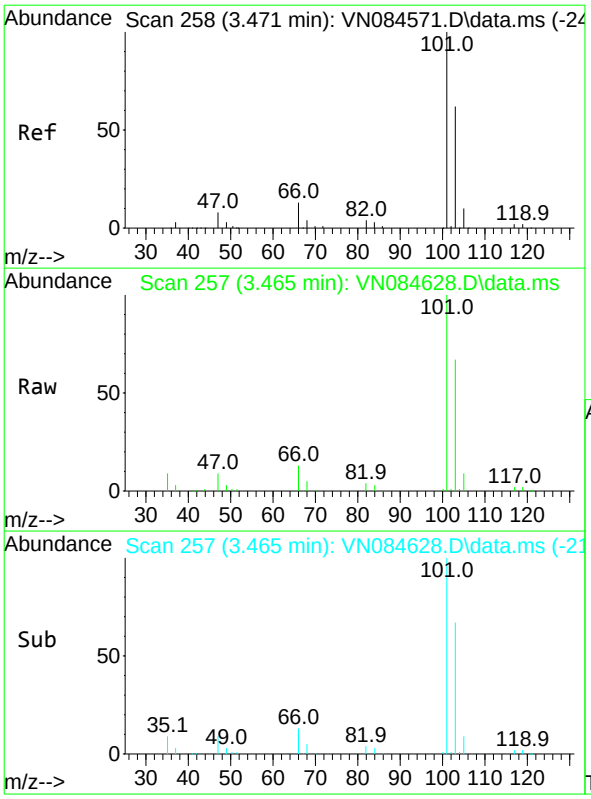


#6
Chloroethane
Concen: 47.426 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 64 Resp: 66956

Ion	Ratio	Lower	Upper
64	100		
66	32.2	23.5	35.3

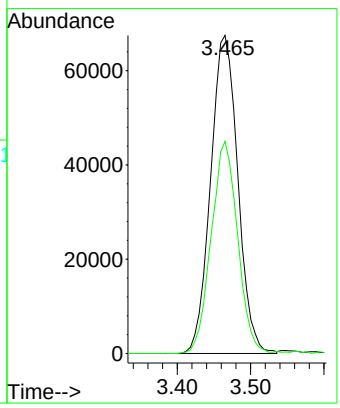




#7
Trichlorofluoromethane
Concen: 46.369 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:101 Resp: 173945

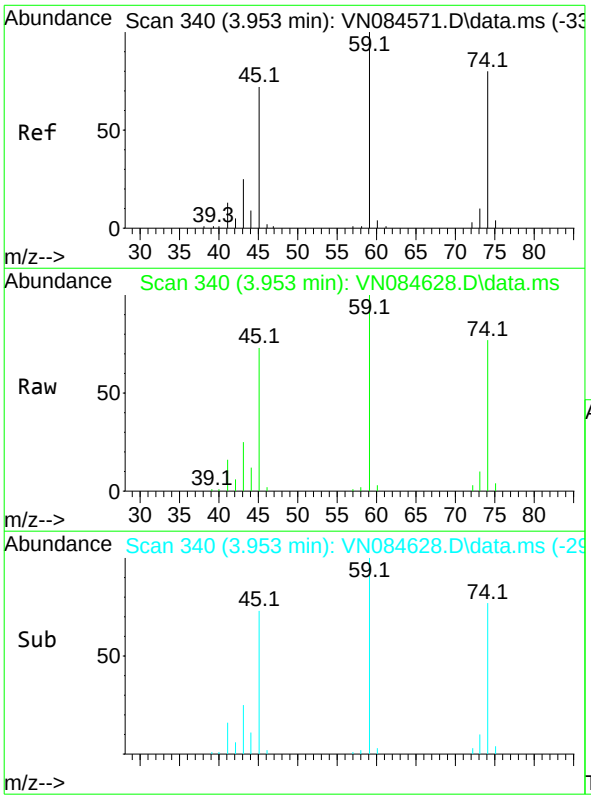
Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

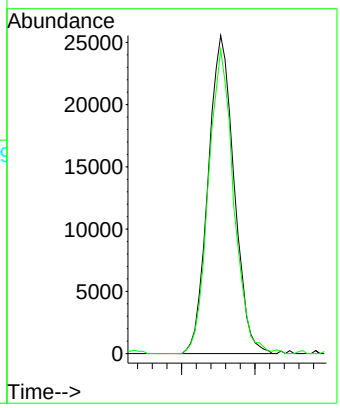
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

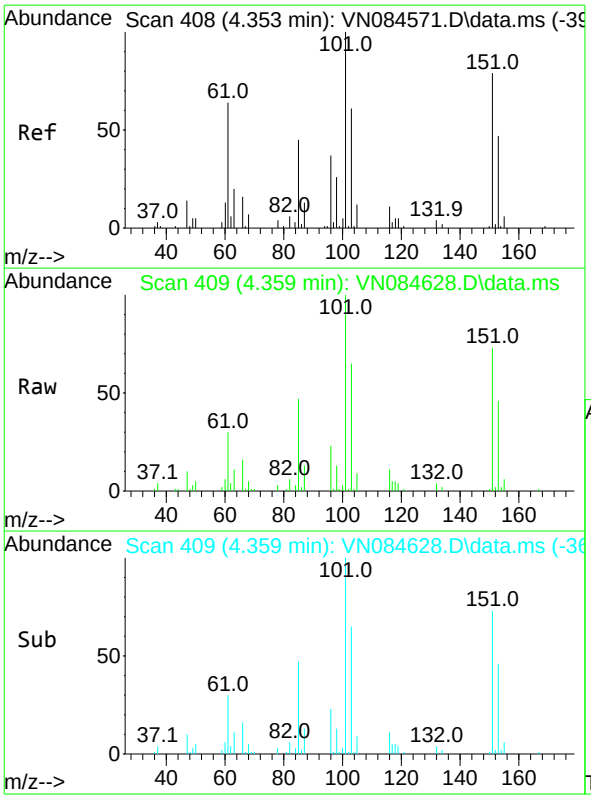


#8
Diethyl Ether
Concen: 47.349 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 74 Resp: 62657

Ion	Ratio	Lower	Upper
74	100		
45	93.3	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.675 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

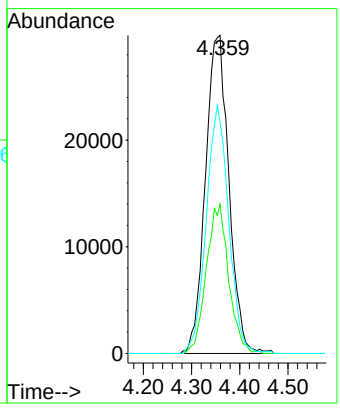
Tgt Ion:101 Resp: 101057

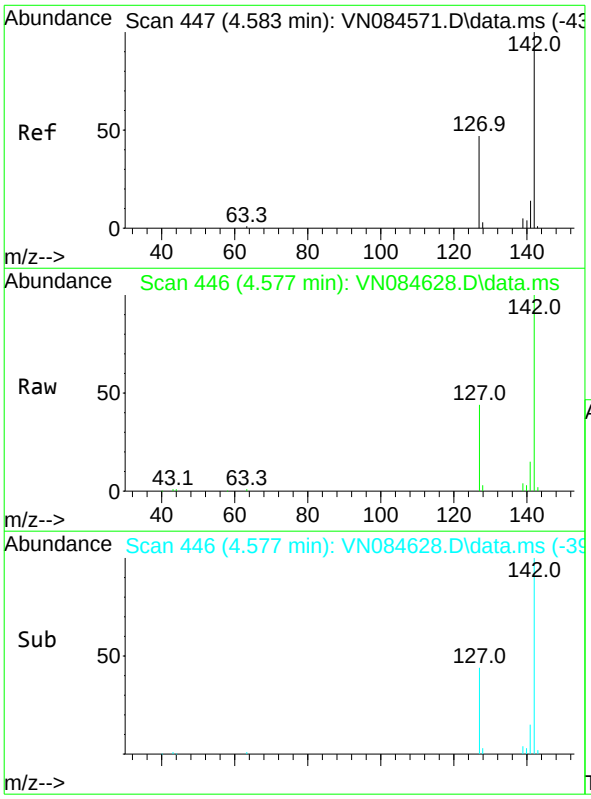
Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	74.5	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

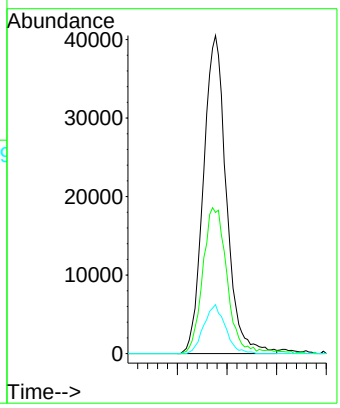


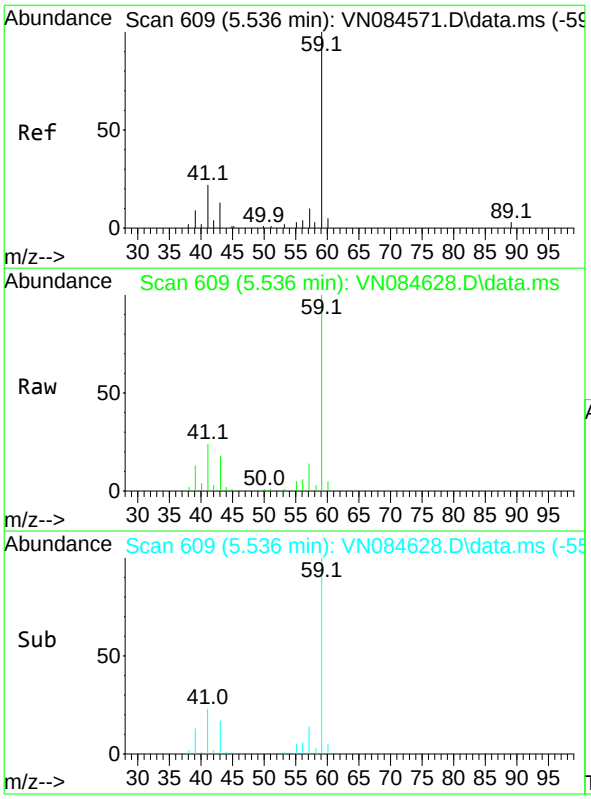


#10
Methyl Iodide
Concen: 45.919 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:142 Resp: 130086

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	15.4	11.0	16.6

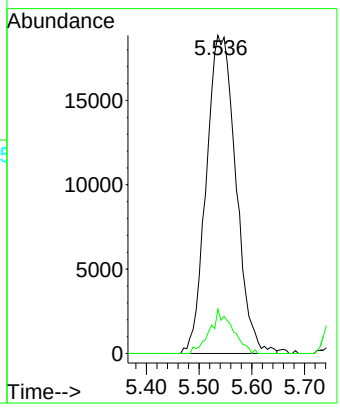




#11
Tert butyl alcohol
Concen: 209.166 ug/l
RT: 5.536 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 59 Resp: 73446

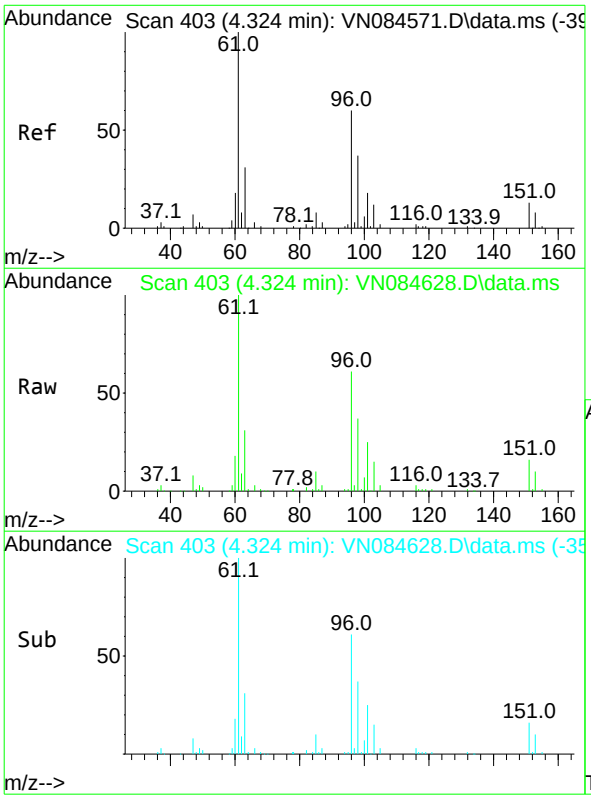
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

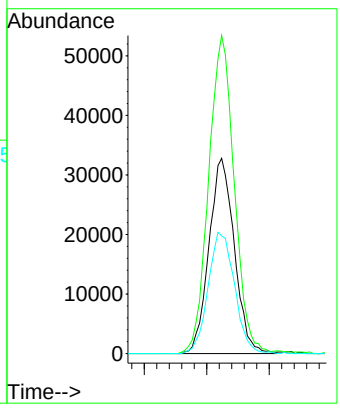
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

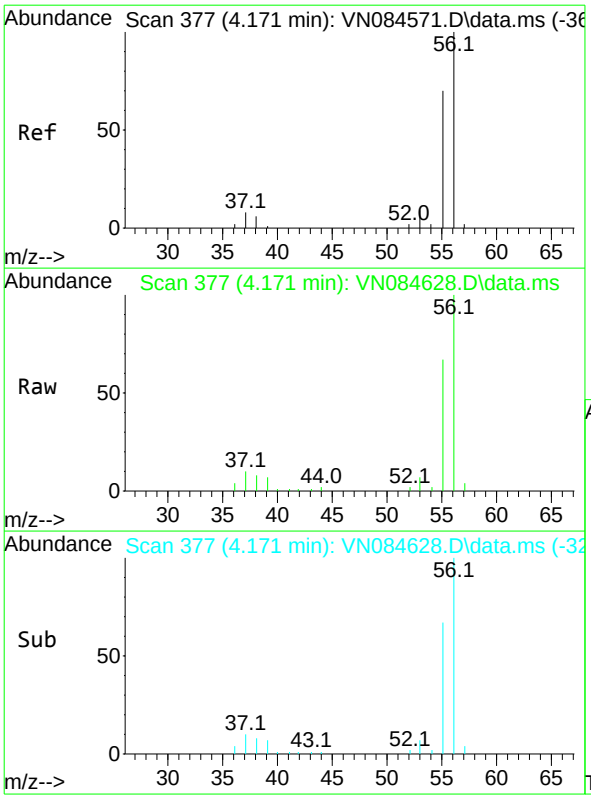


#12
1,1-Dichloroethene
Concen: 44.115 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 96 Resp: 92527

Ion	Ratio	Lower	Upper
96	100		
61	162.9	128.6	192.8
98	60.3	51.7	77.5

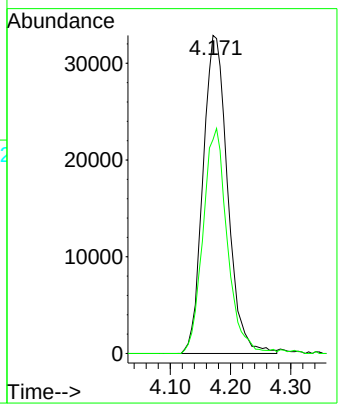




#13
Acrolein
Concen: 266.751 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 56 Resp: 93401

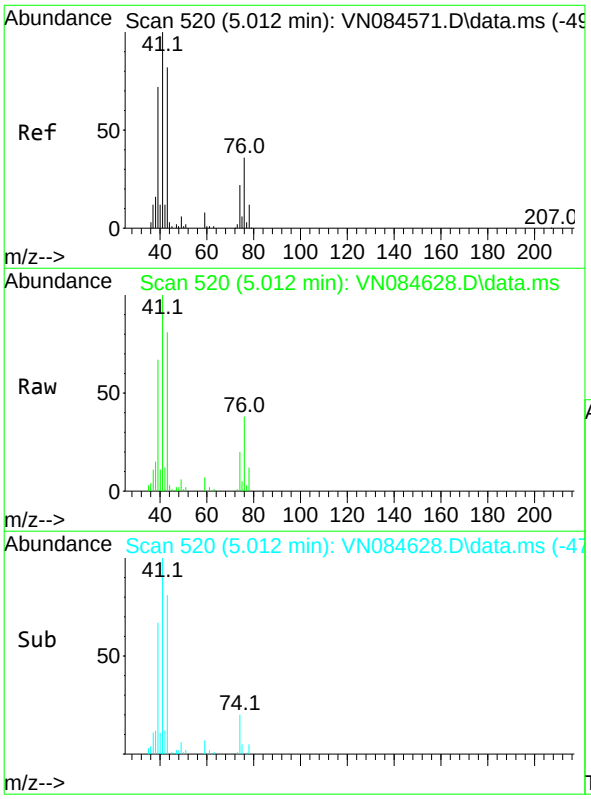
Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

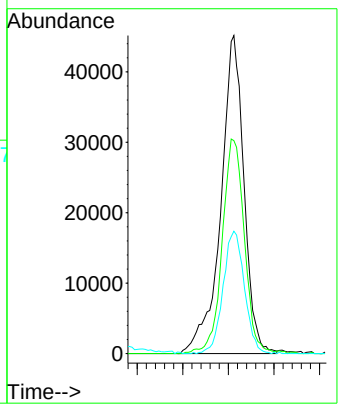
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

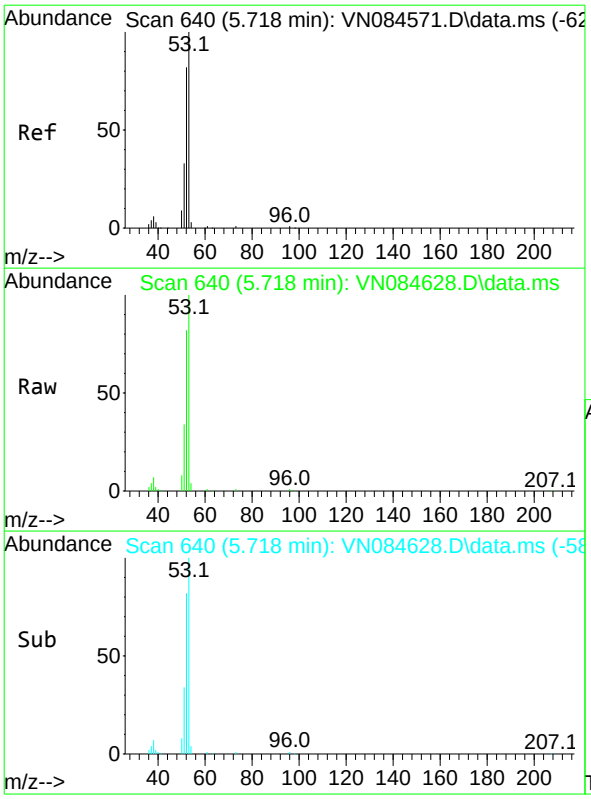


#14
Allyl chloride
Concen: 46.819 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 41 Resp: 159256

Ion	Ratio	Lower	Upper
41	100		
39	64.4	59.0	88.6
76	35.5	29.8	44.6

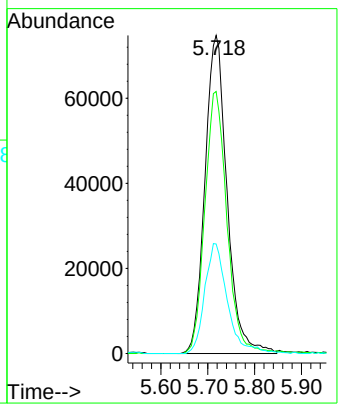




#15
Acrylonitrile
Concen: 241.071 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 53 Resp: 245055

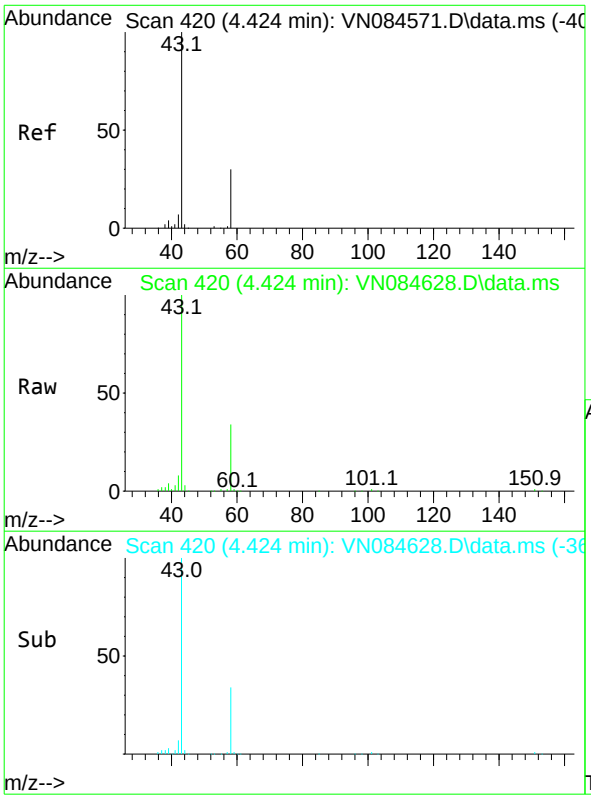
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

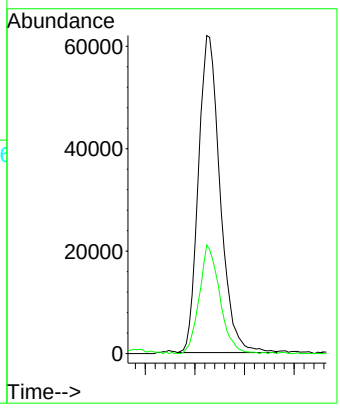
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

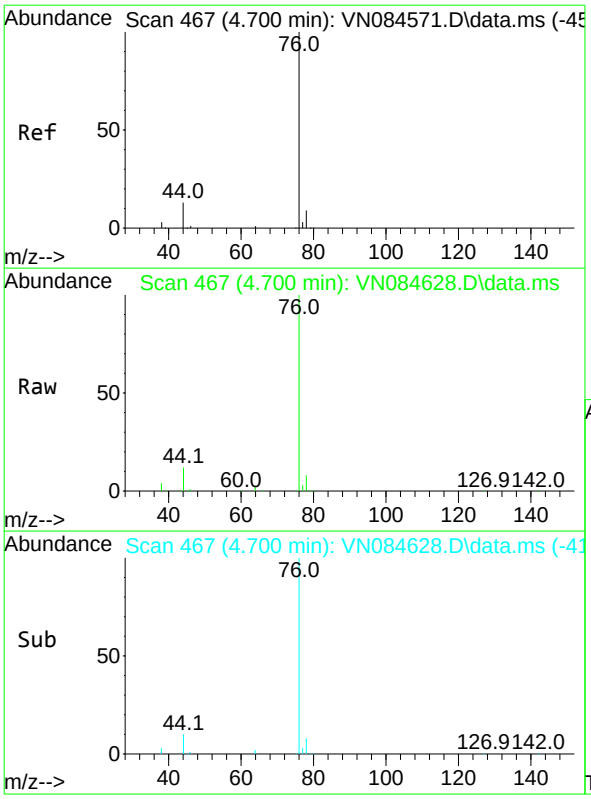


#16
Acetone
Concen: 244.929 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 188254

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6

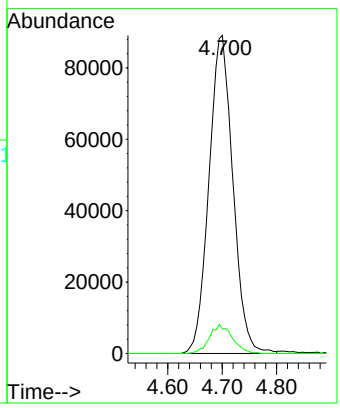




#17
Carbon Disulfide
Concen: 42.191 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 76 Resp: 272518

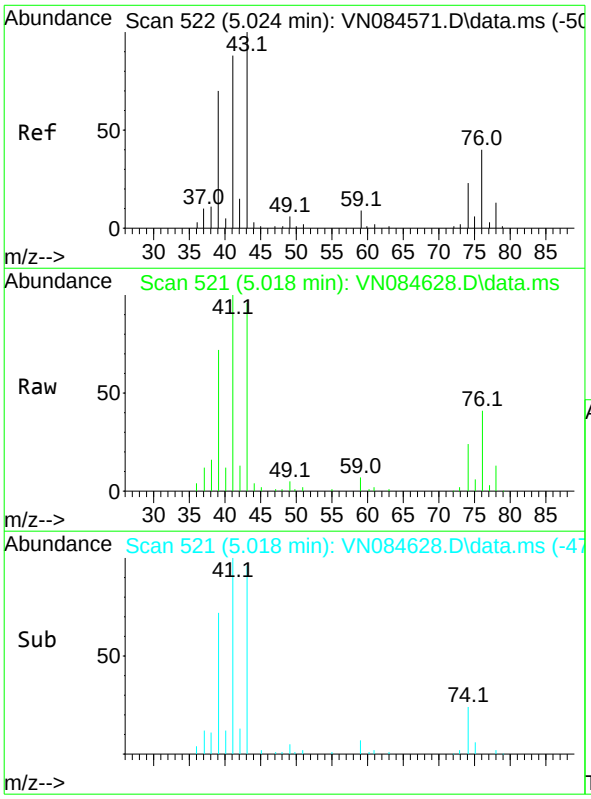
Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

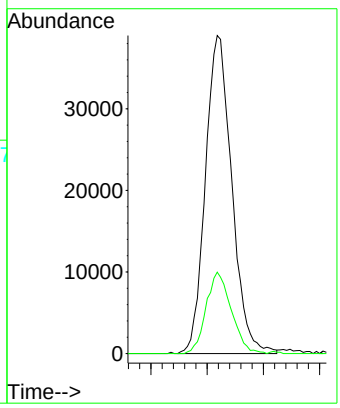
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

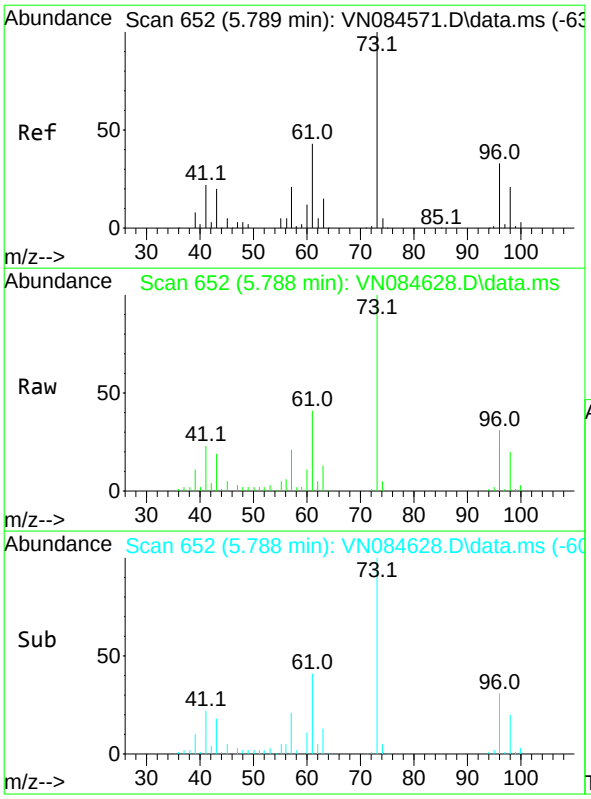


#18
Methyl Acetate
Concen: 44.902 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 127182

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

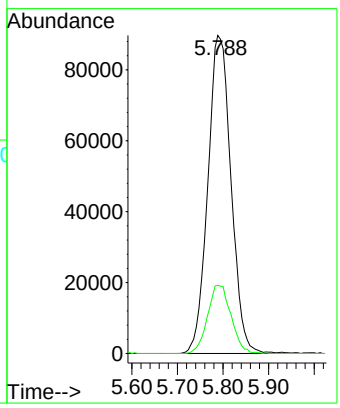




#19
Methyl tert-butyl Ether
Concen: 49.289 ug/l
RT: 5.788 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 73 Resp: 316868

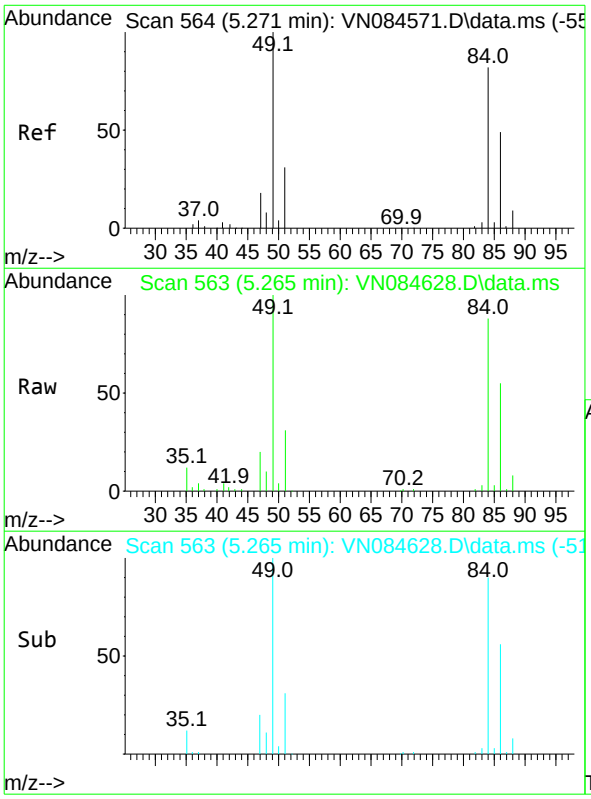
Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

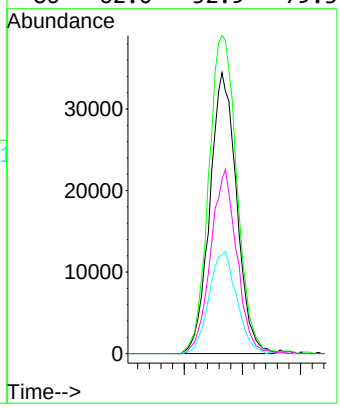
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

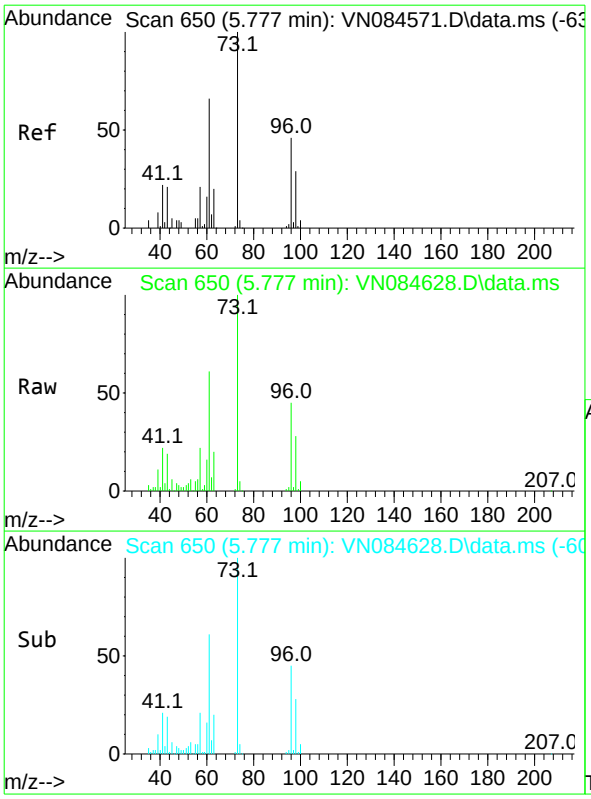


#20
Methylene Chloride
Concen: 47.096 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 84 Resp: 110189

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	35.2	31.8	47.8
86	62.0	52.9	79.3

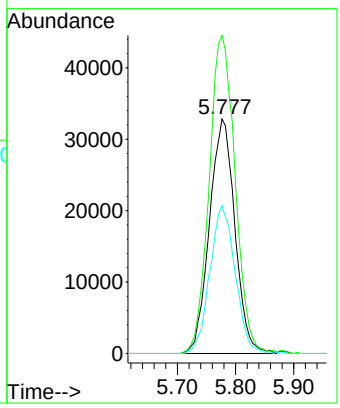




#21
trans-1,2-Dichloroethene
Concen: 46.339 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 96 Resp: 99799

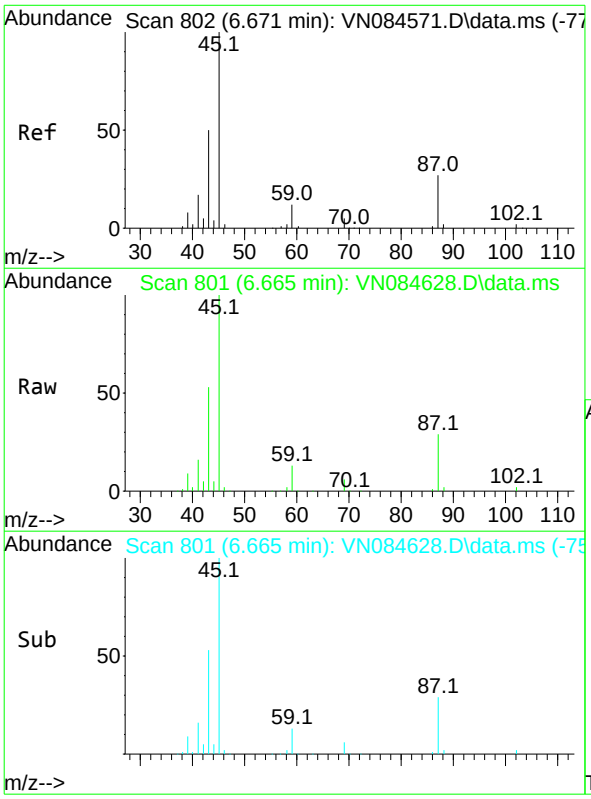
Ion	Ratio	Lower	Upper
96	100		
61	135.6	108.4	162.6
98	63.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

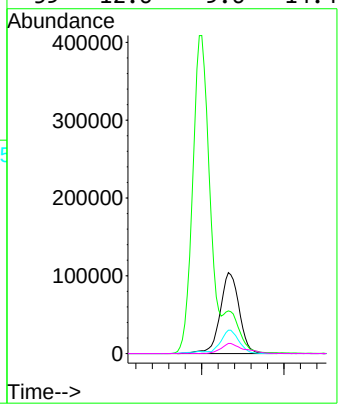
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

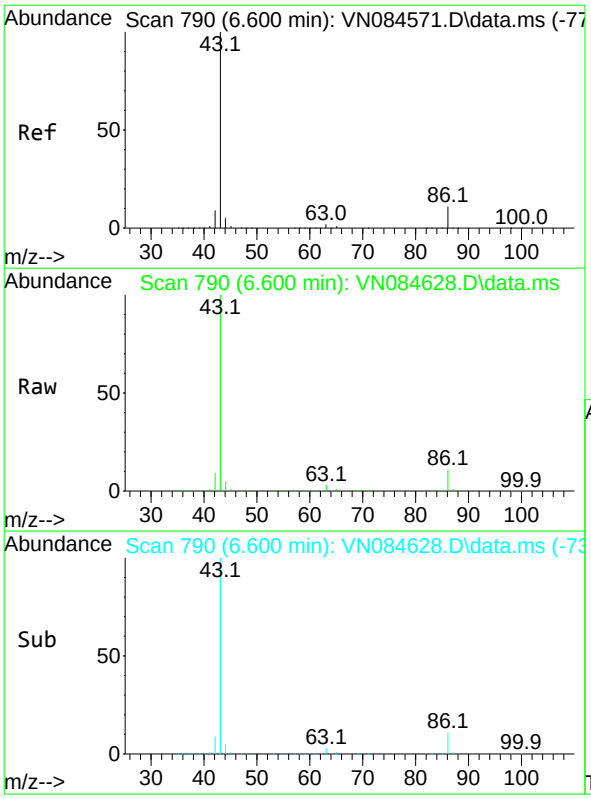


#22
Diisopropyl ether
Concen: 49.533 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 45 Resp: 334786

Ion	Ratio	Lower	Upper
45	100		
43	51.6	42.3	63.5
87	28.9	21.8	32.6
59	12.6	9.6	14.4

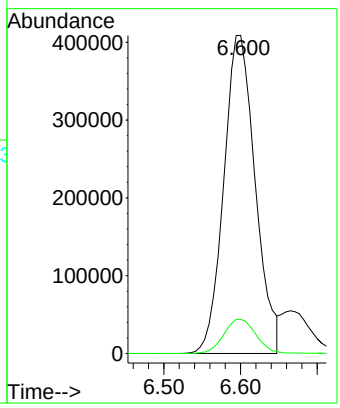




#23
Vinyl Acetate
Concen: 250.398 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 1167096

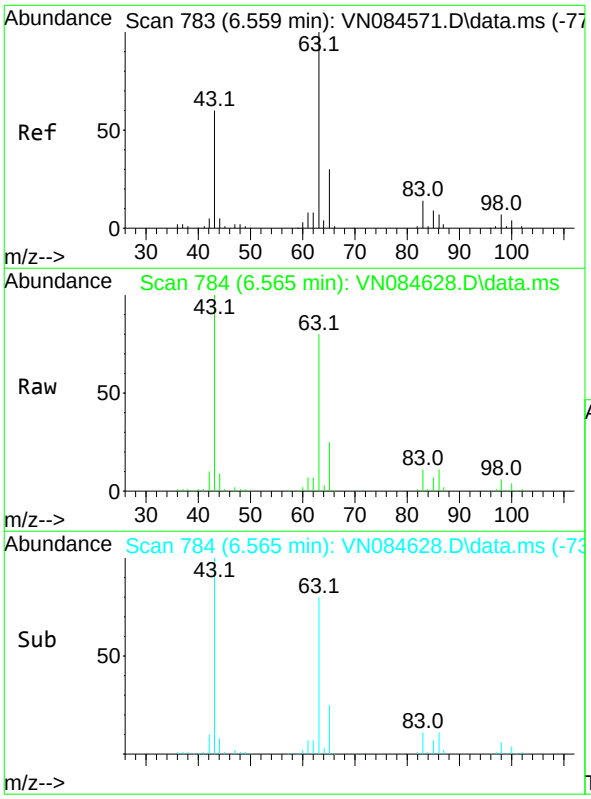
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

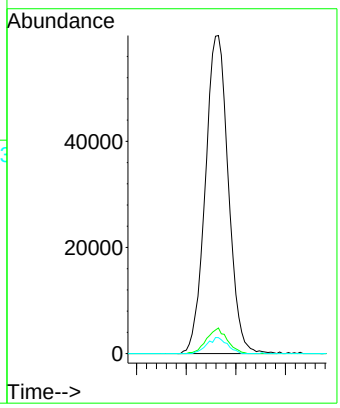
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

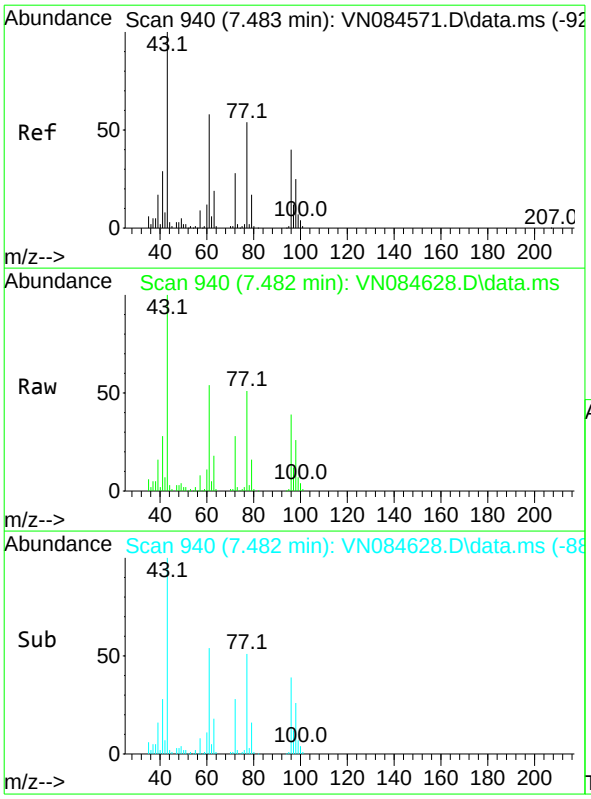


#24
1,1-Dichloroethane
Concen: 47.516 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 63 Resp: 192812

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.4	10.2
100	5.0	2.0	5.8

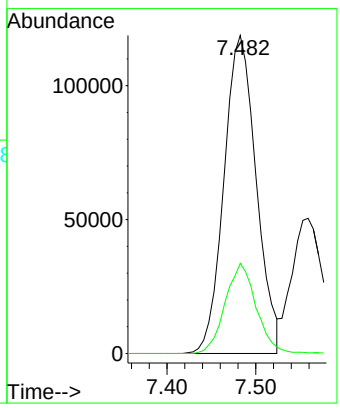




#25
2-Butanone
Concen: 241.790 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 300076

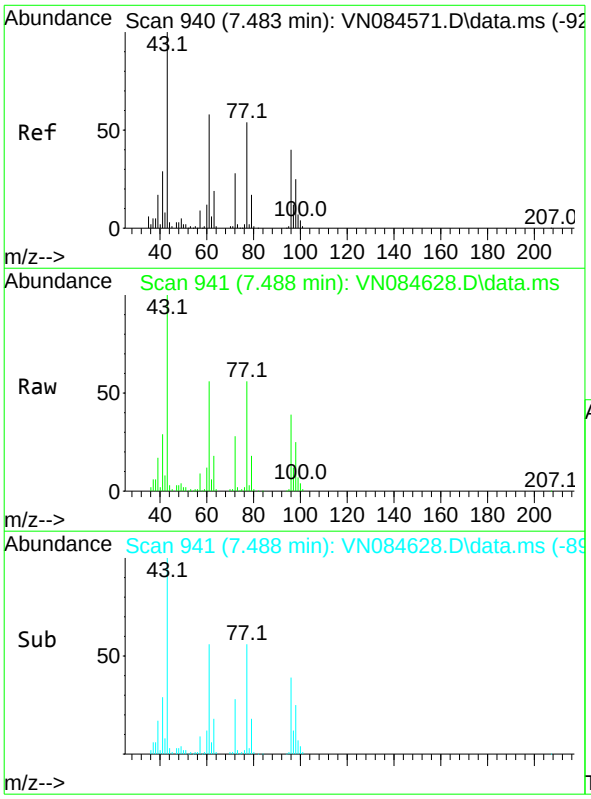
Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

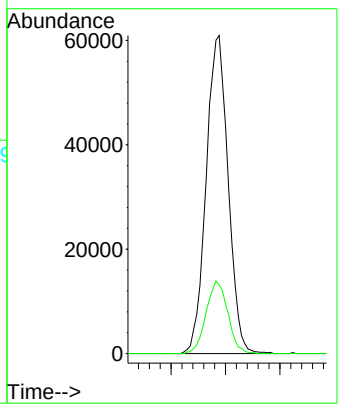
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

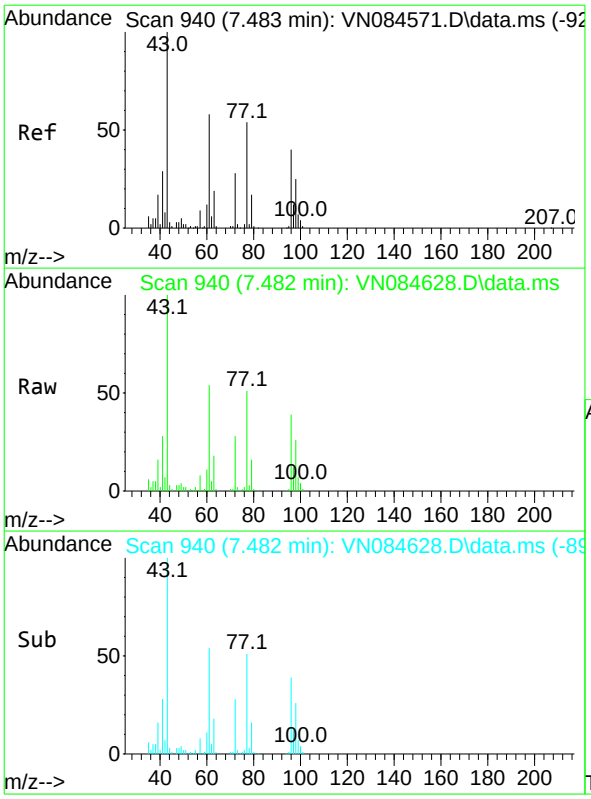


#26
2,2-Dichloropropane
Concen: 48.449 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 77 Resp: 171112

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3





#27
cis-1,2-Dichloroethene
Concen: 47.758 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

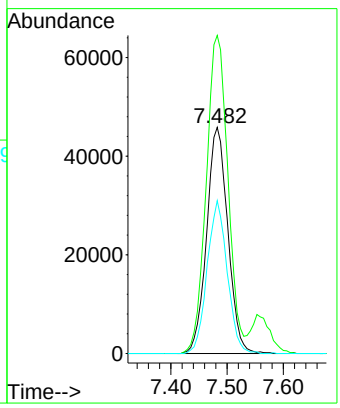
Tgt Ion: 96 Resp: 120101

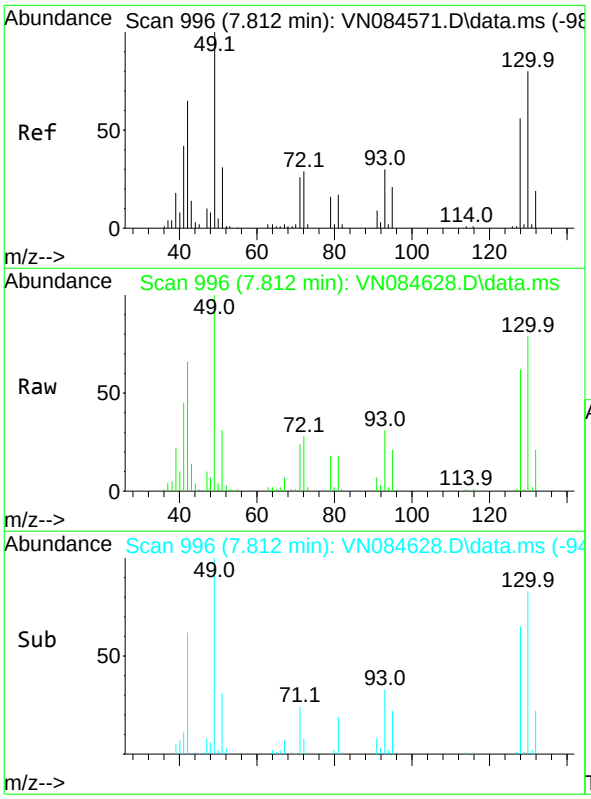
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	301.8
98	64.0	0.0	128.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

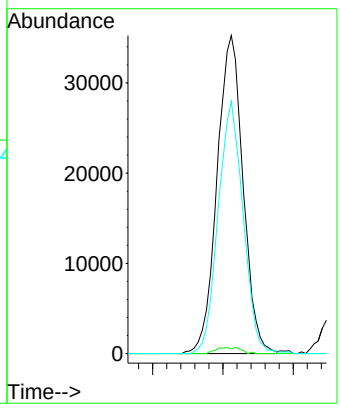


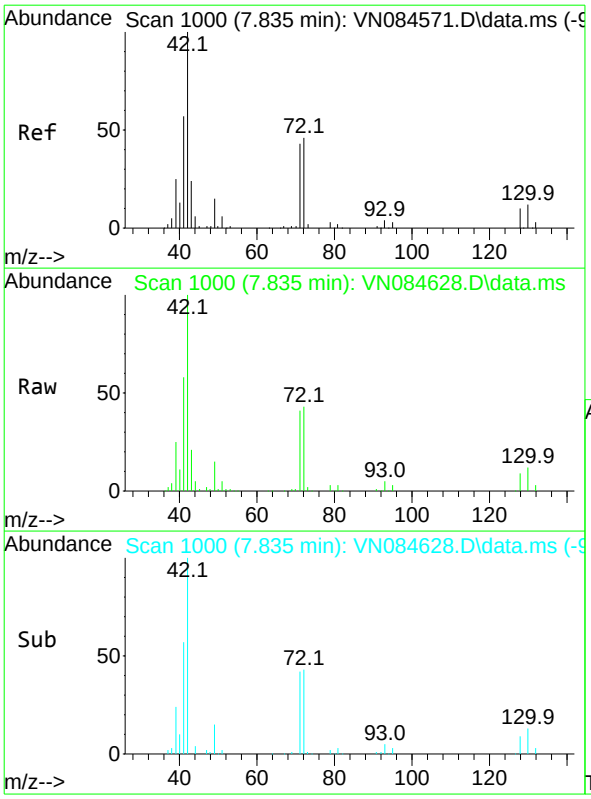


#28
Bromochloromethane
Concen: 56.020 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 49 Resp: 90567

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	76.1	58.0	87.0

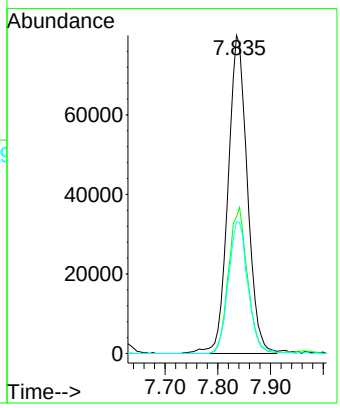




#29
Tetrahydrofuran
Concen: 247.530 ug/l
RT: 7.835 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 42 Resp: 203801

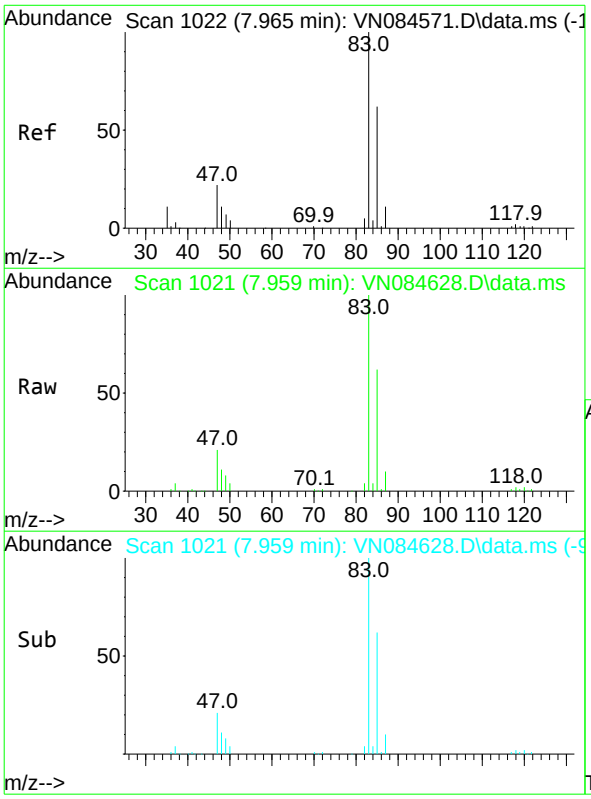
Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	41.8	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

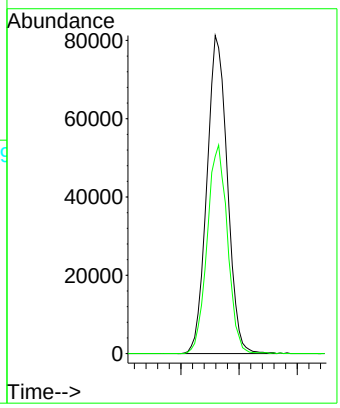
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

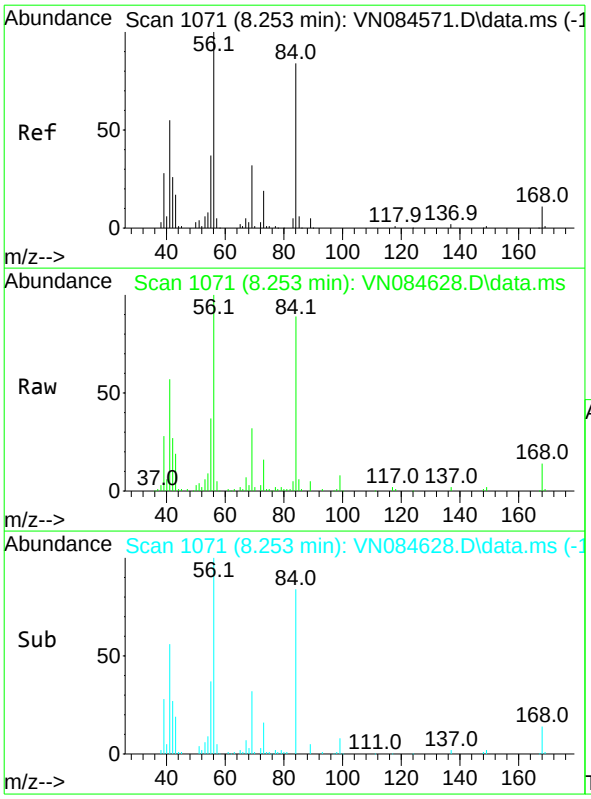


#30
Chloroform
Concen: 48.069 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 83 Resp: 198531

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.0	76.4

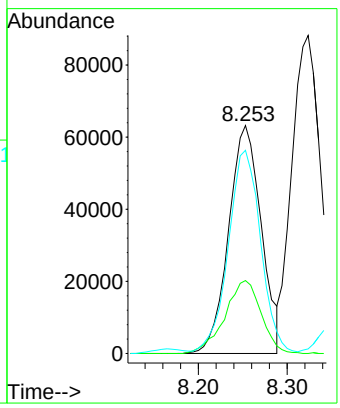




#31
Cyclohexane
Concen: 44.014 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 56 Resp: 161647

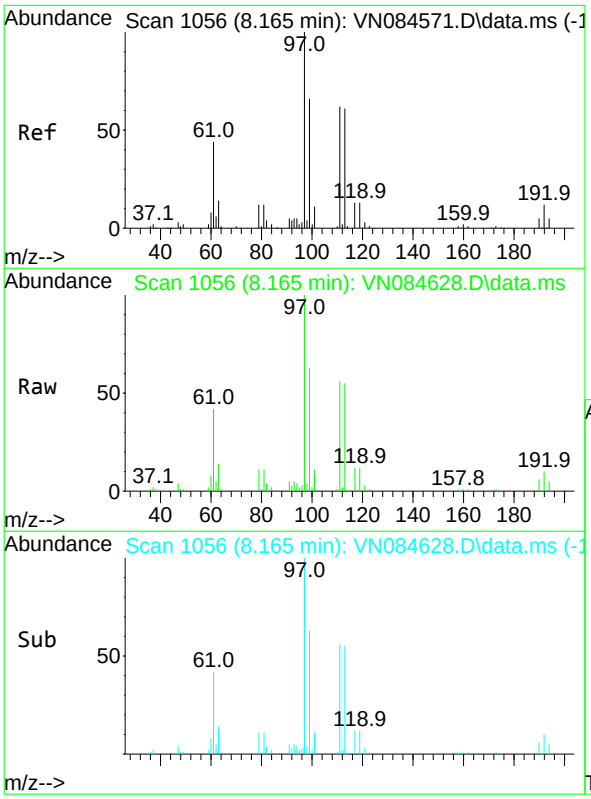
Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.8	35.6
84	87.5	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

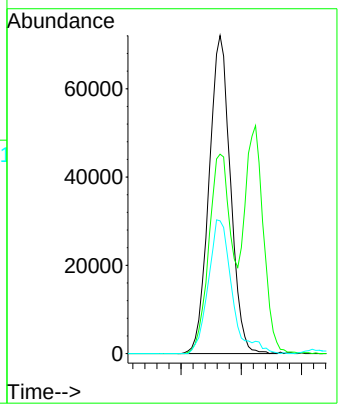
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

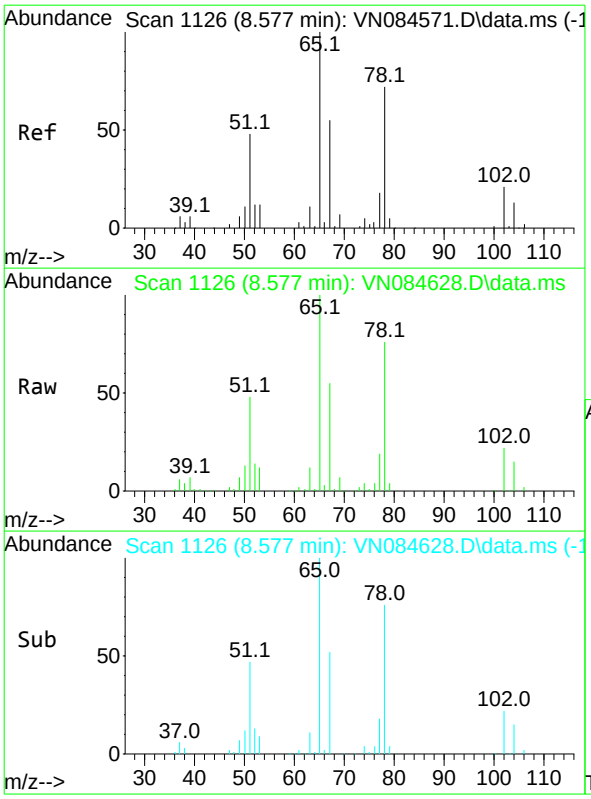


#32
1,1,1-Trichloroethane
Concen: 47.362 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 97 Resp: 178041

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.2	76.8
61	46.4	37.5	56.3

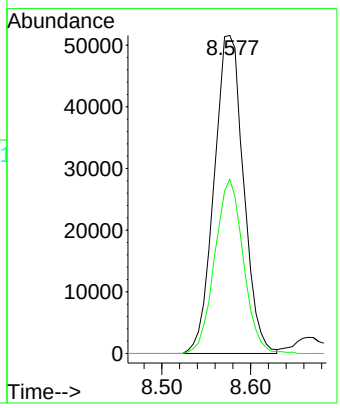




#33
1,2-Dichloroethane-d4
Concen: 44.583 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 65 Resp: 118600

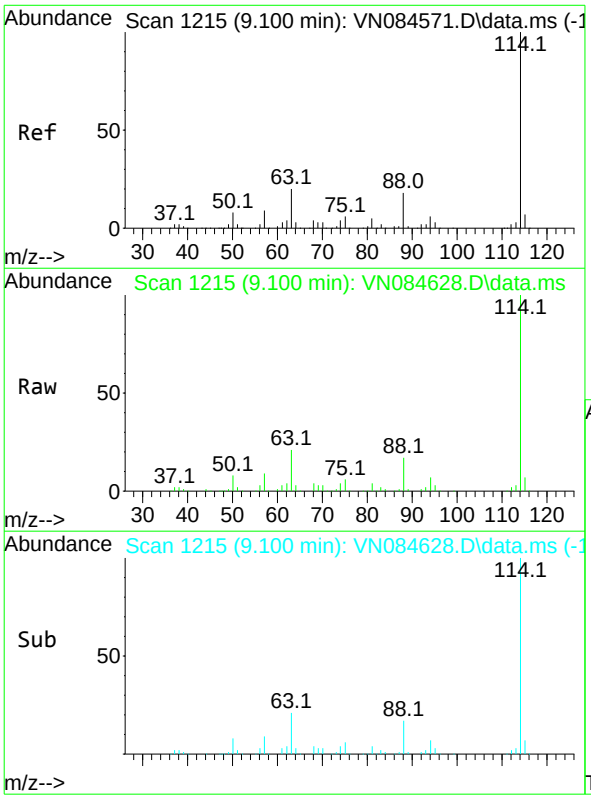
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

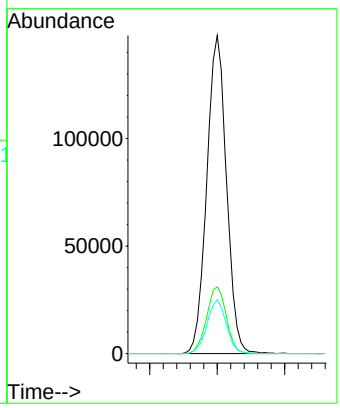
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

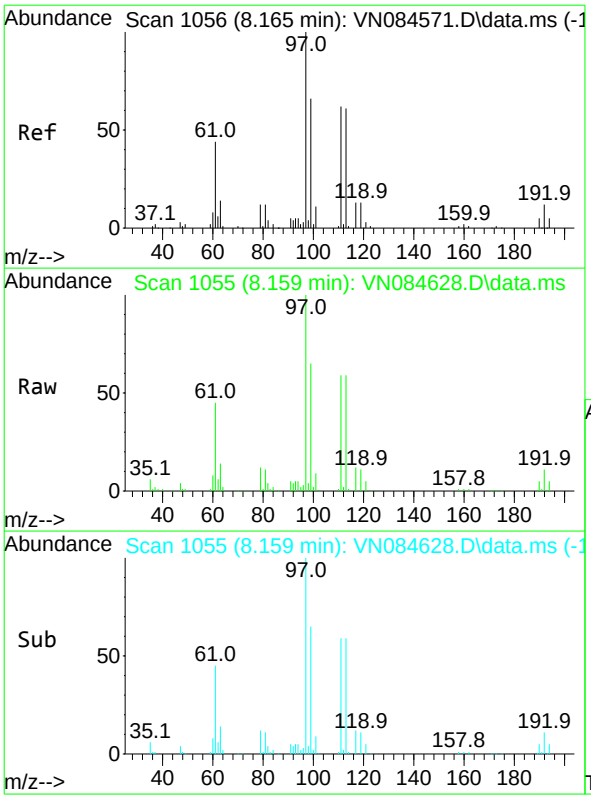


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:114 Resp: 299507

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.9	0.0	31.6

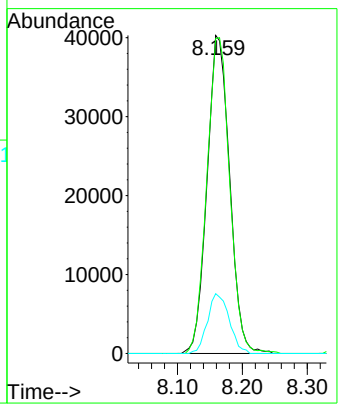




#35
Dibromofluoromethane
Concen: 47.992 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:113 Resp: 97295

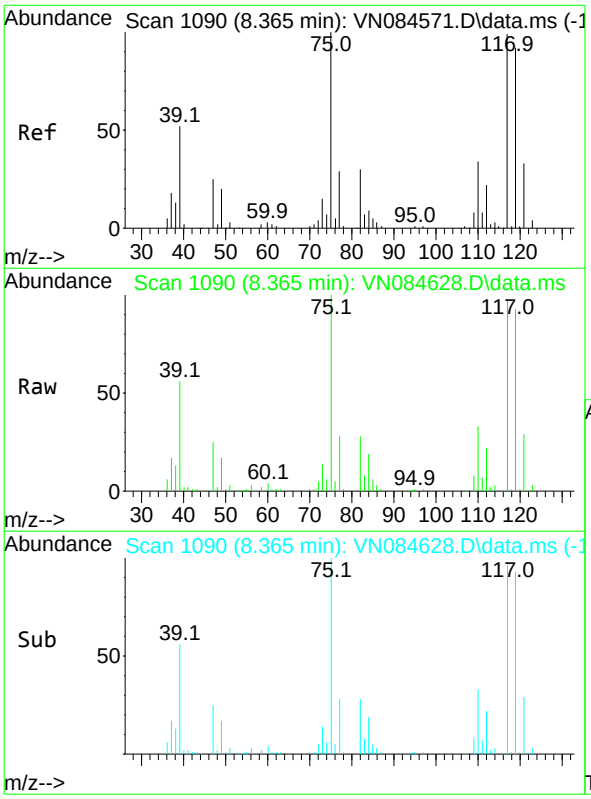
Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	18.1	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

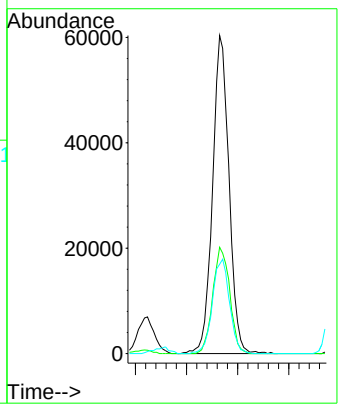
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

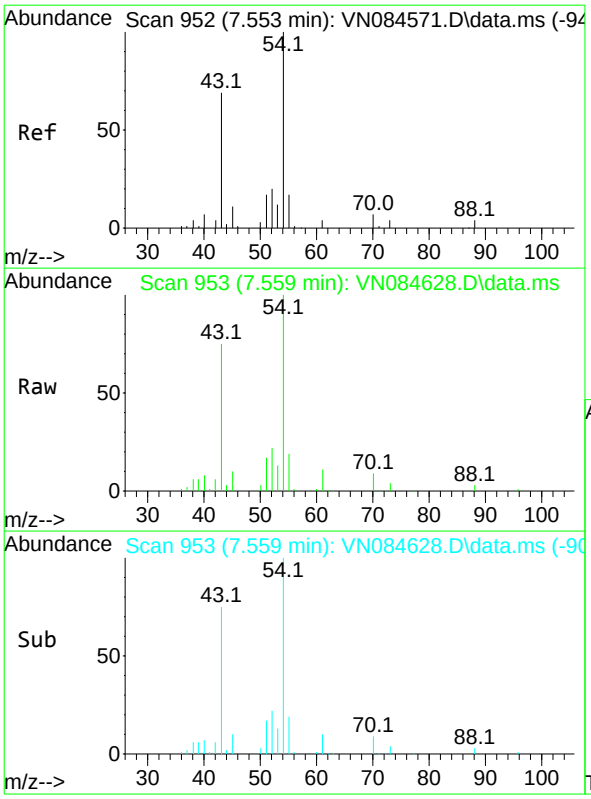


#36
1,1-Dichloropropene
Concen: 47.960 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 134844

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	31.0	24.7	37.1

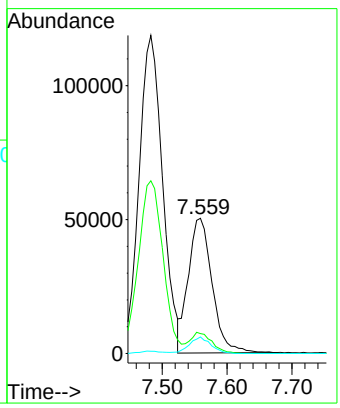




#37
Ethyl Acetate
Concen: 50.445 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 128683

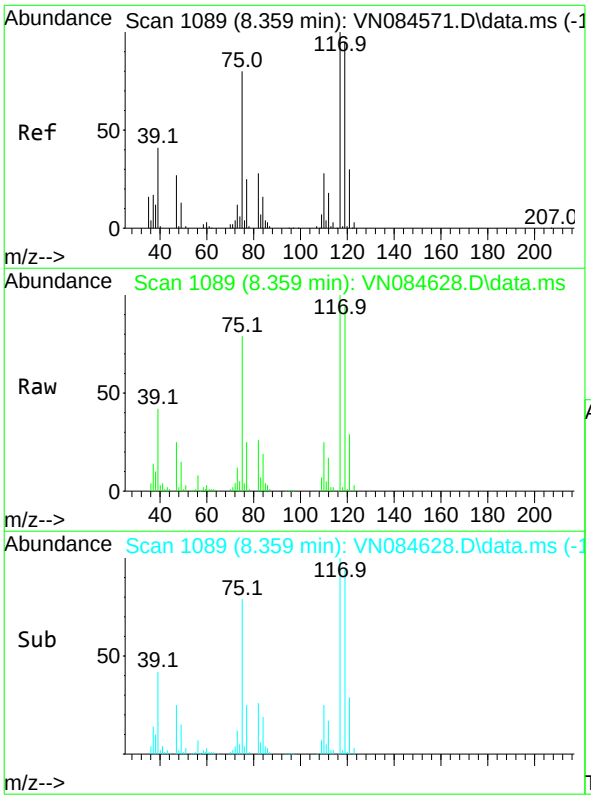
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.0	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

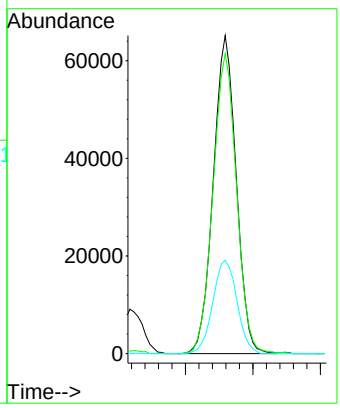
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

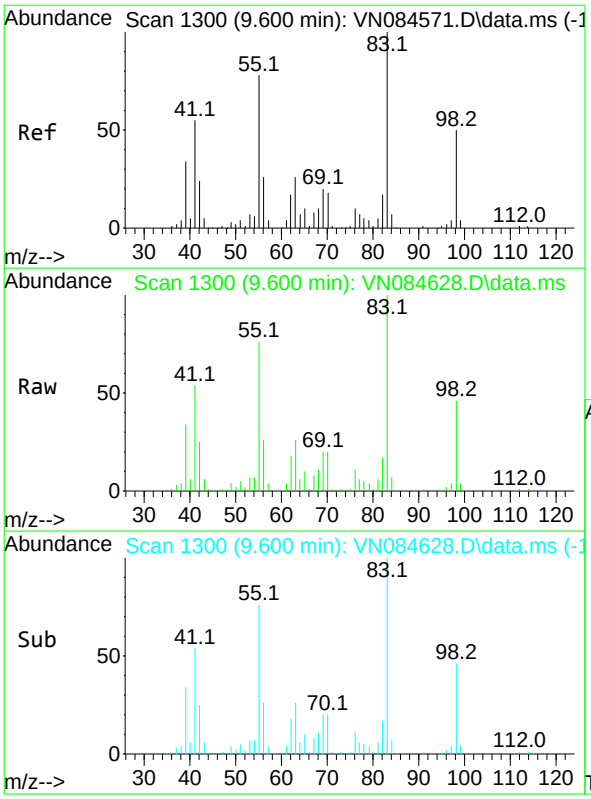


#38
Carbon Tetrachloride
Concen: 48.951 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:117 Resp: 153837

Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.7	118.1
121	29.4	24.4	36.6

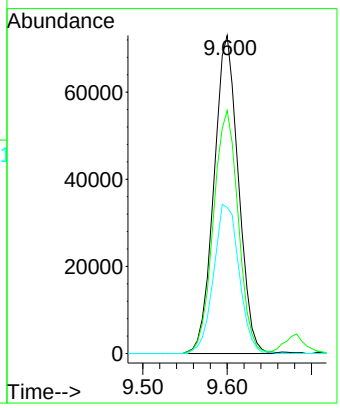




#39
Methylcyclohexane
Concen: 51.312 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 83 Resp: 146769

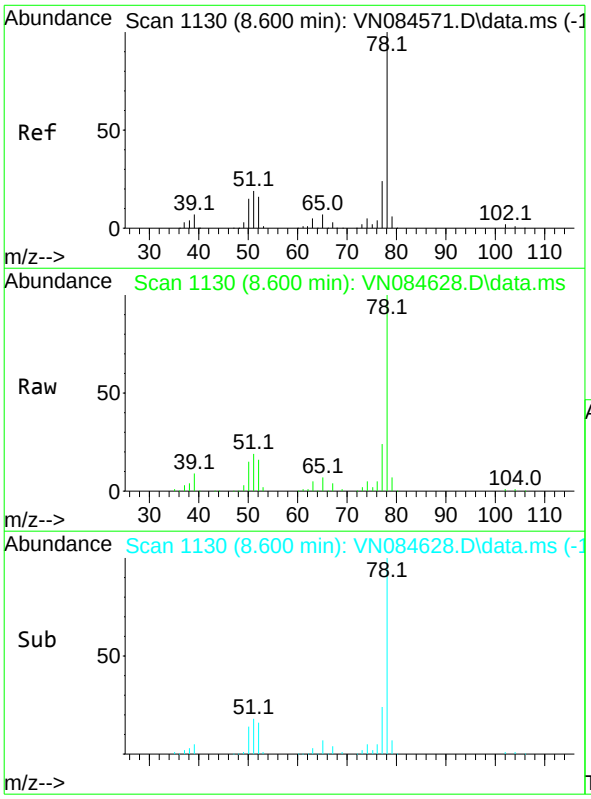
Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.8	94.2
98	46.0	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

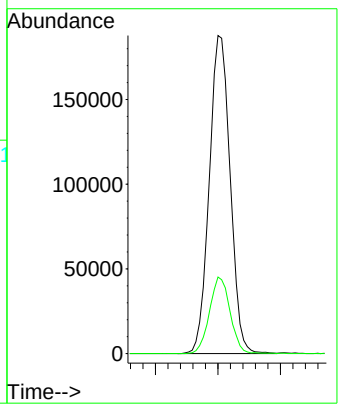
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

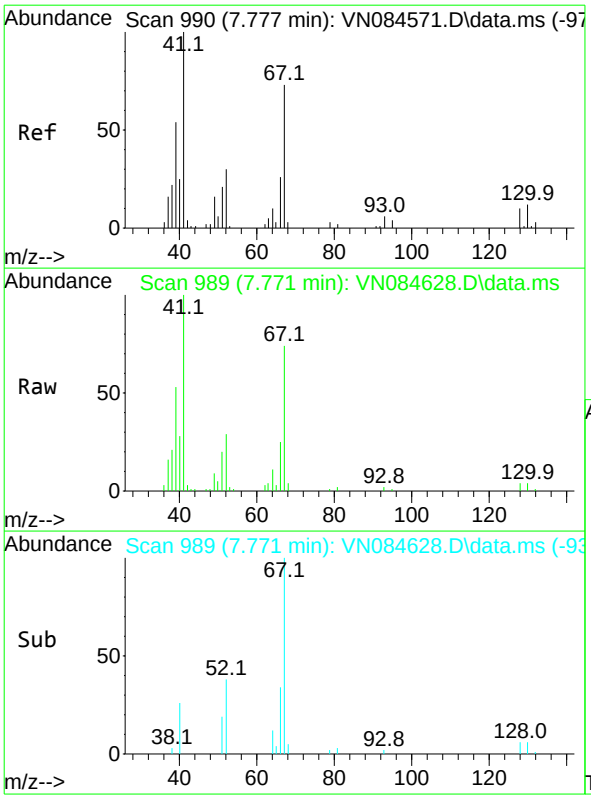


#40
Benzene
Concen: 48.319 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 78 Resp: 436290

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7

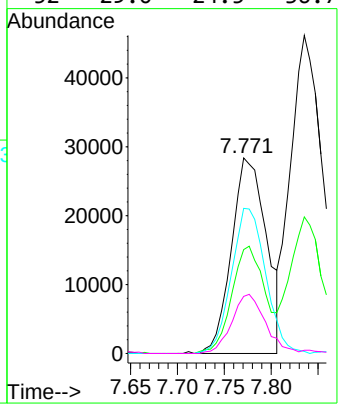




#41
Methacrylonitrile
Concen: 53.631 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 41 Resp: 73571

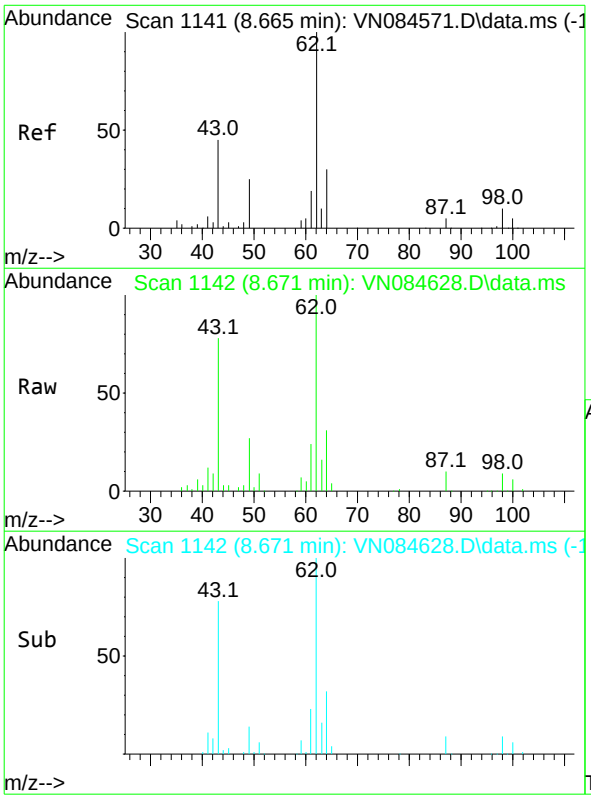
Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.3	64.9
67	72.9	56.1	84.1
52	29.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

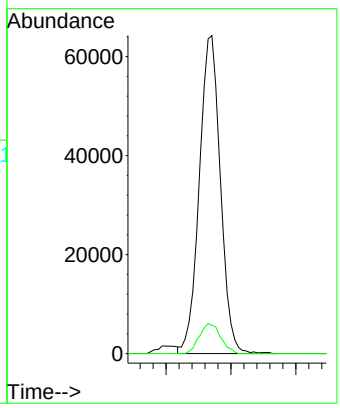
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

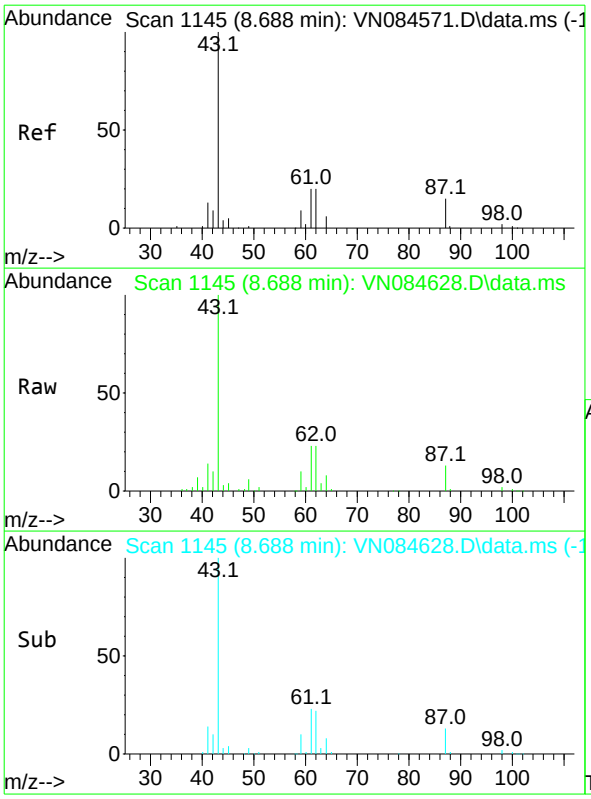


#42
1,2-Dichloroethane
Concen: 49.594 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 62 Resp: 145026

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2

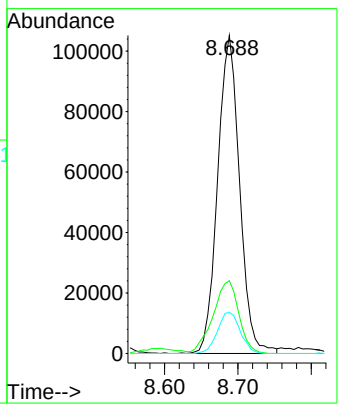




#43
Isopropyl Acetate
Concen: 46.323 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 218643

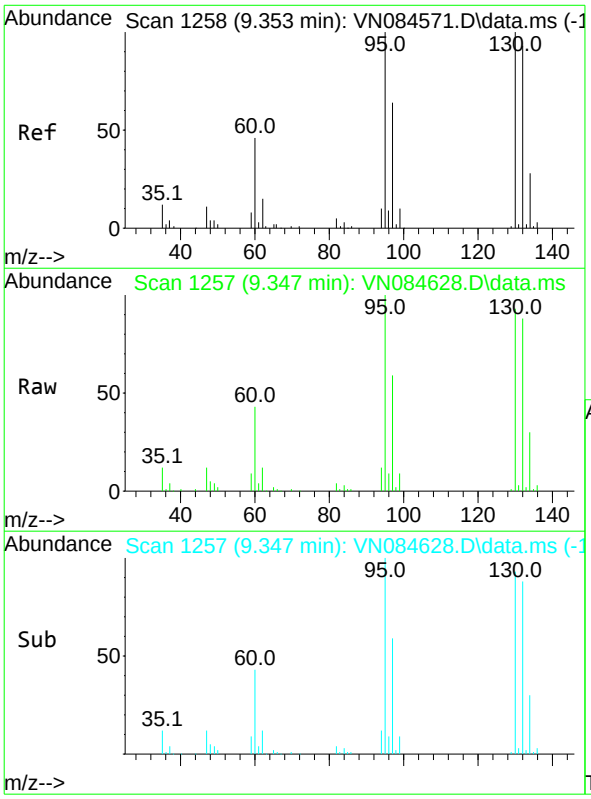
Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.4	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

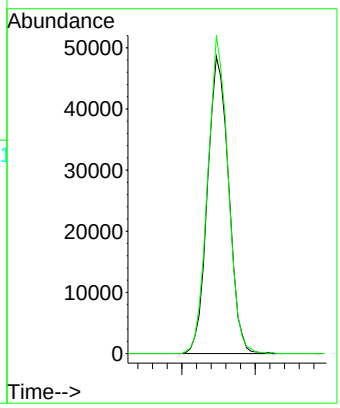
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

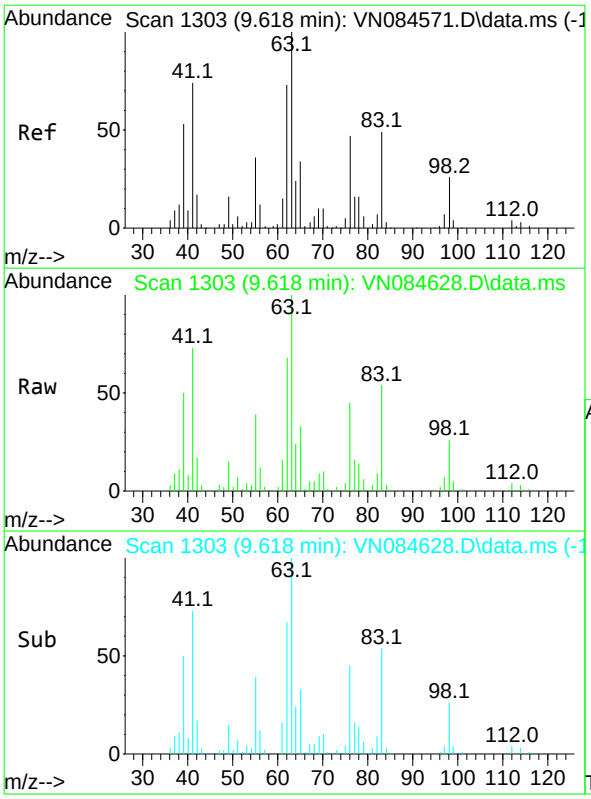


#44
Trichloroethene
Concen: 46.787 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:130 Resp: 97430

Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	203.0

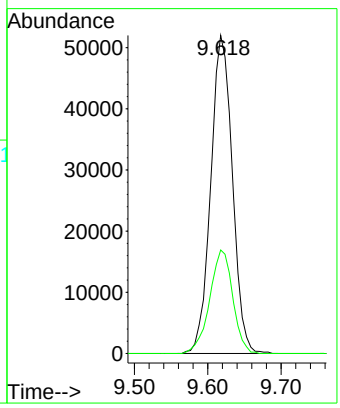




#45
1,2-Dichloropropane
Concen: 50.327 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 63 Resp: 106599

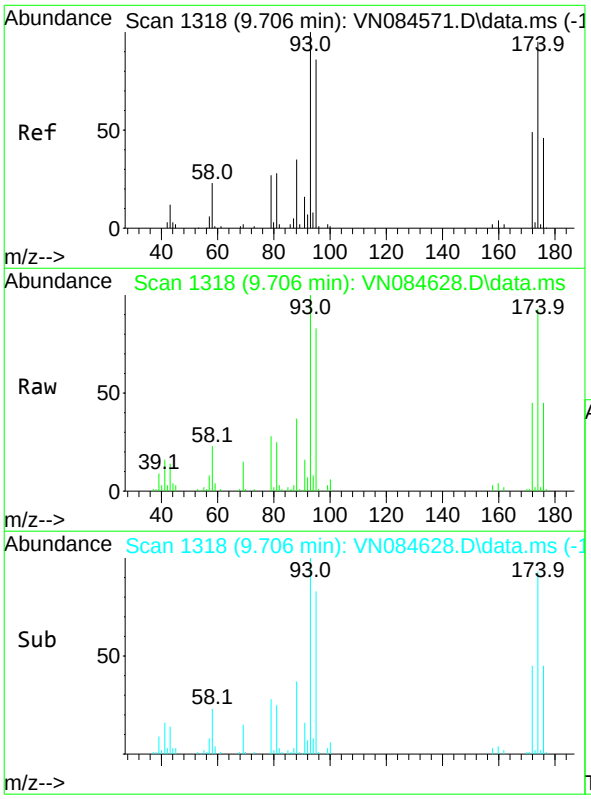
Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

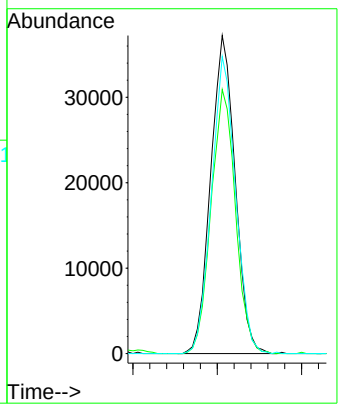
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

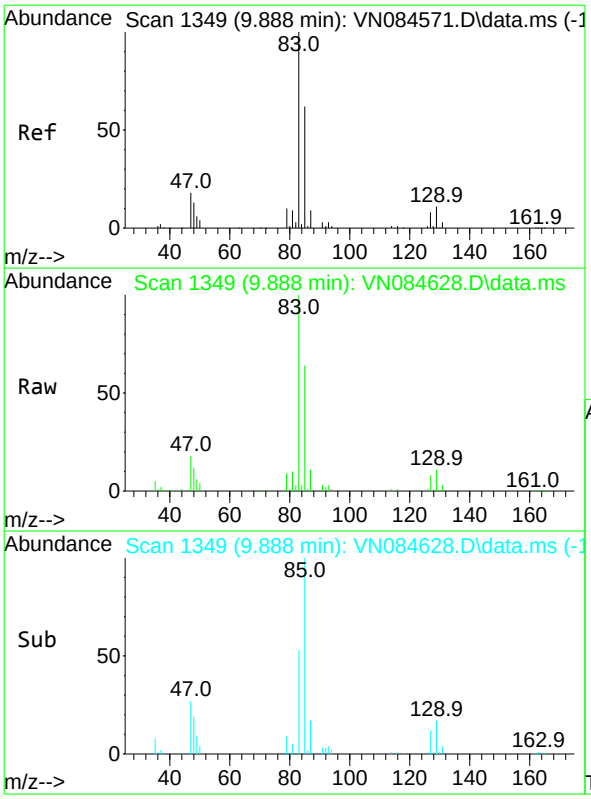


#46
Dibromomethane
Concen: 50.221 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 93 Resp: 75062

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	91.9	71.8	107.8

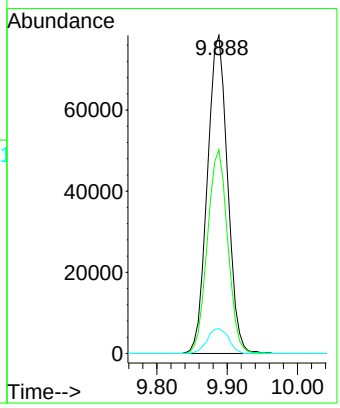




#47
Bromodichloromethane
Concen: 49.601 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 83 Resp: 156271

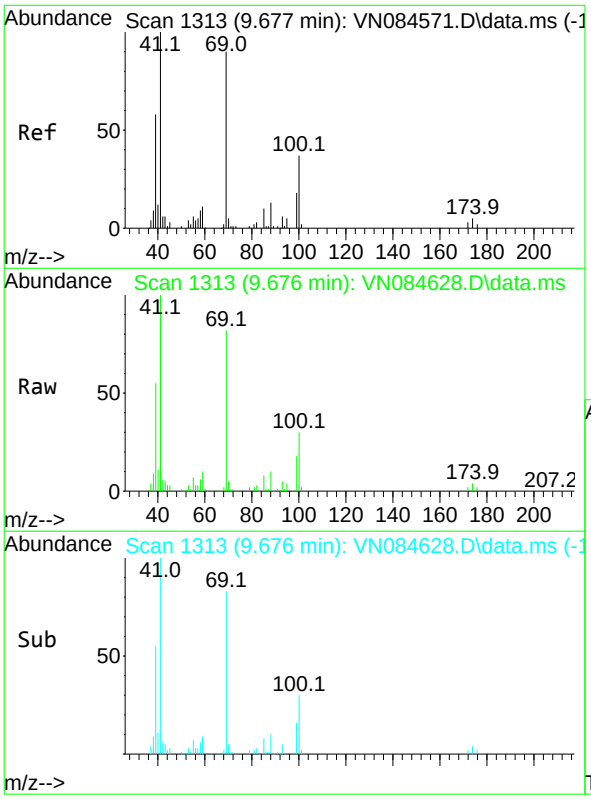
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	7.8	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

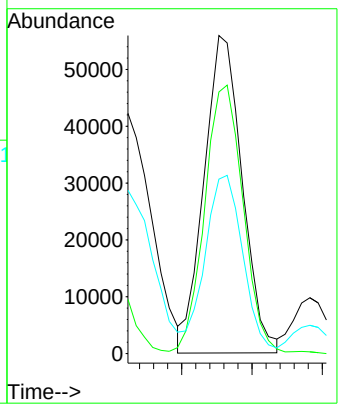
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

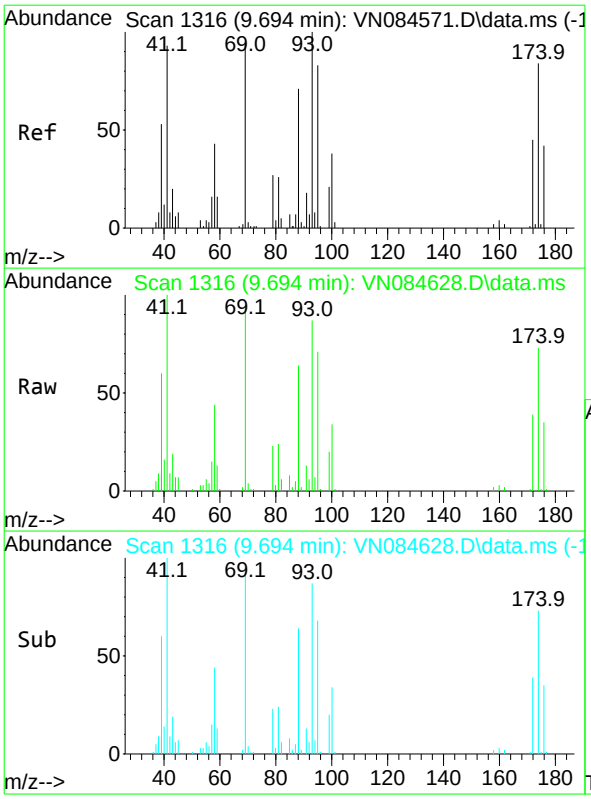


#48
Methyl methacrylate
Concen: 53.047 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 41 Resp: 105317

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.1	100.7
39	56.5	45.8	68.6

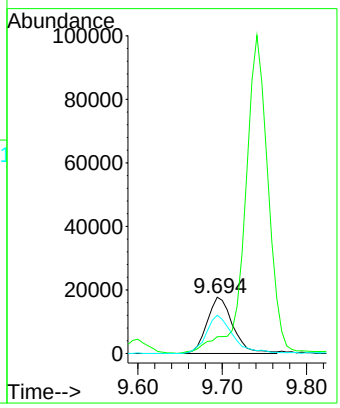




#49
1,4-Dioxane
Concen: 1072.921 ug/l
RT: 9.694 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 88 Resp: 37747

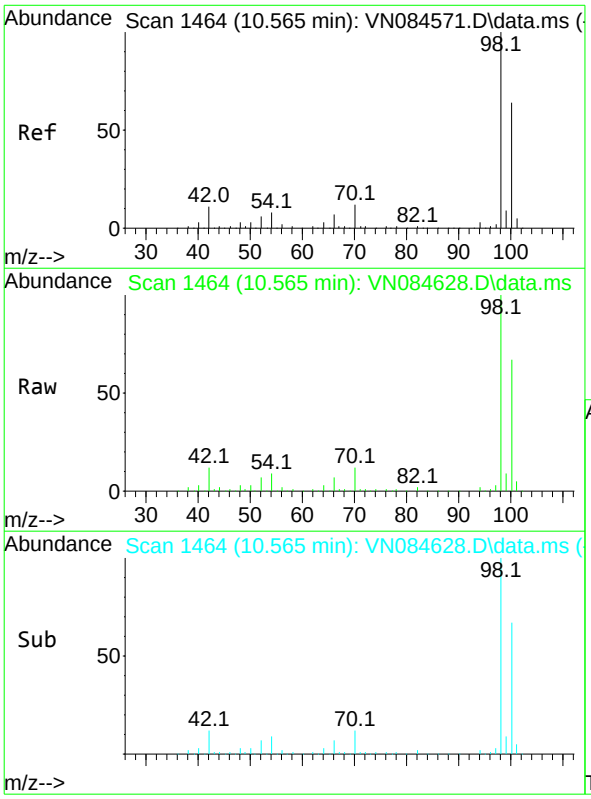
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

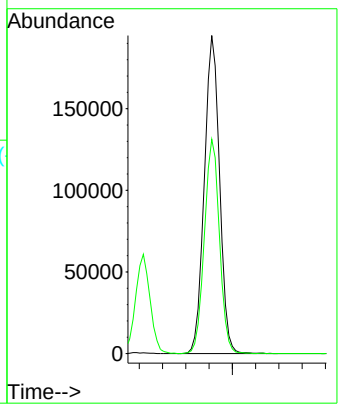
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

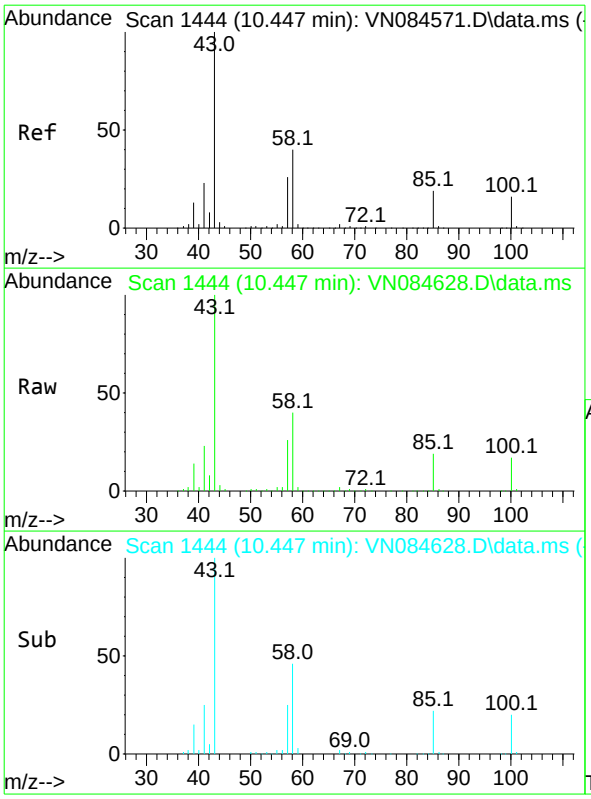


#50
Toluene-d8
Concen: 47.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 98 Resp: 355060

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1

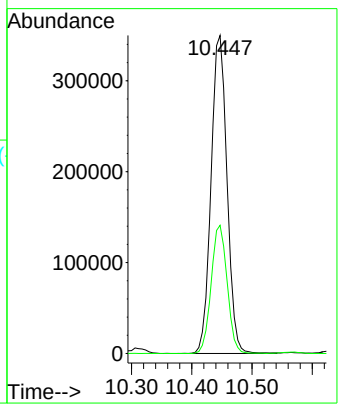




#51
4-Methyl-2-Pentanone
Concen: 264.740 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 643803

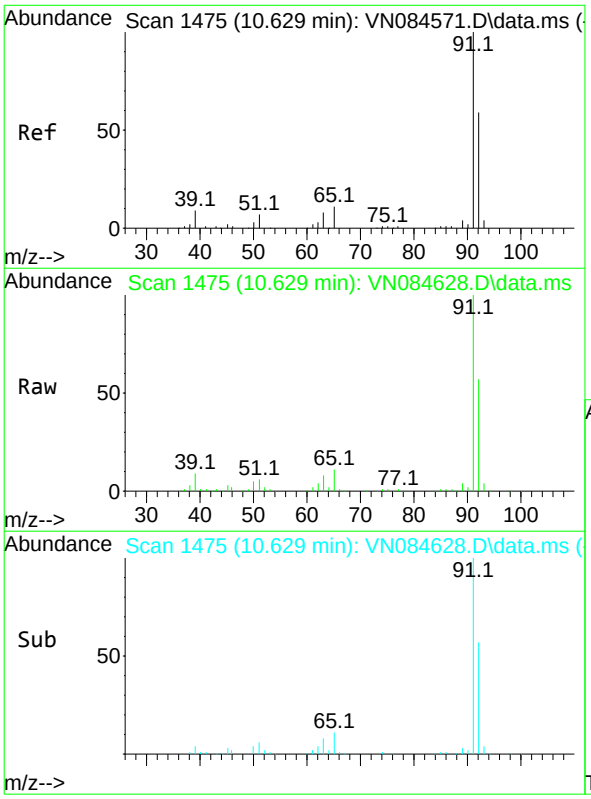
Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

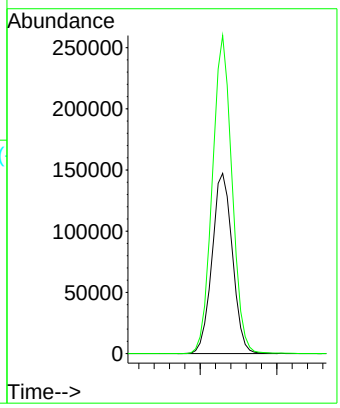
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

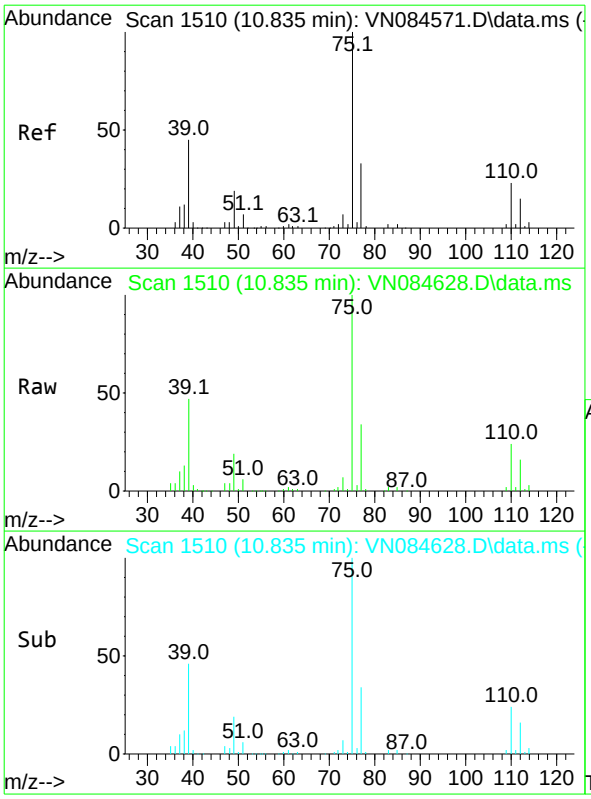


#52
Toluene
Concen: 51.353 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 92 Resp: 271189

Ion	Ratio	Lower	Upper
92	100		
91	170.9	137.3	205.9

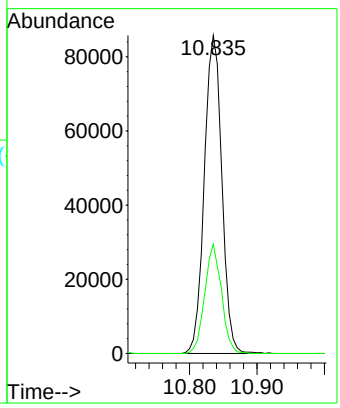




#53
t-1,3-Dichloropropene
Concen: 47.438 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 154705

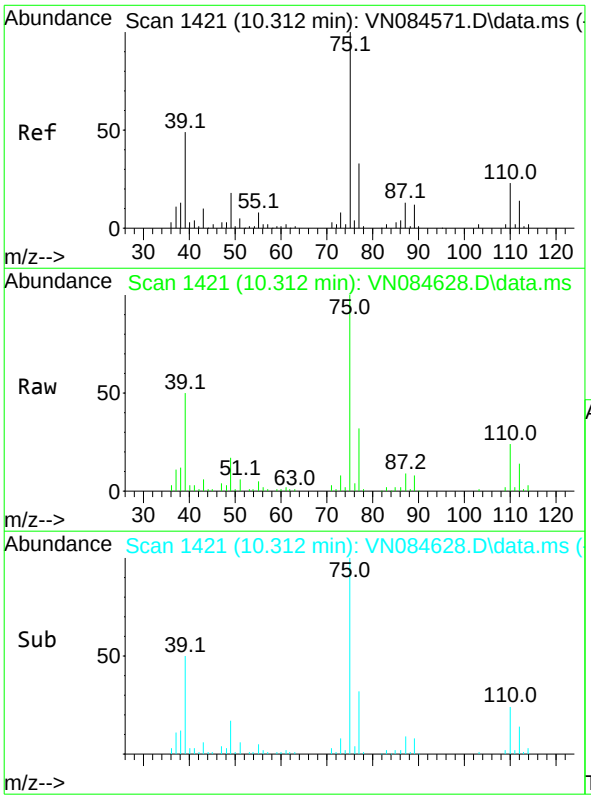
Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

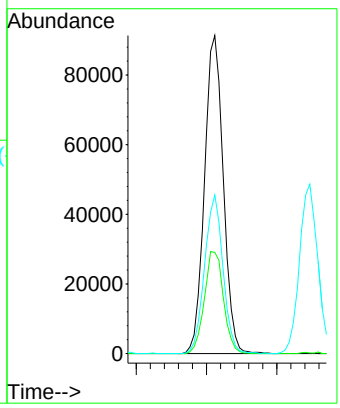
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

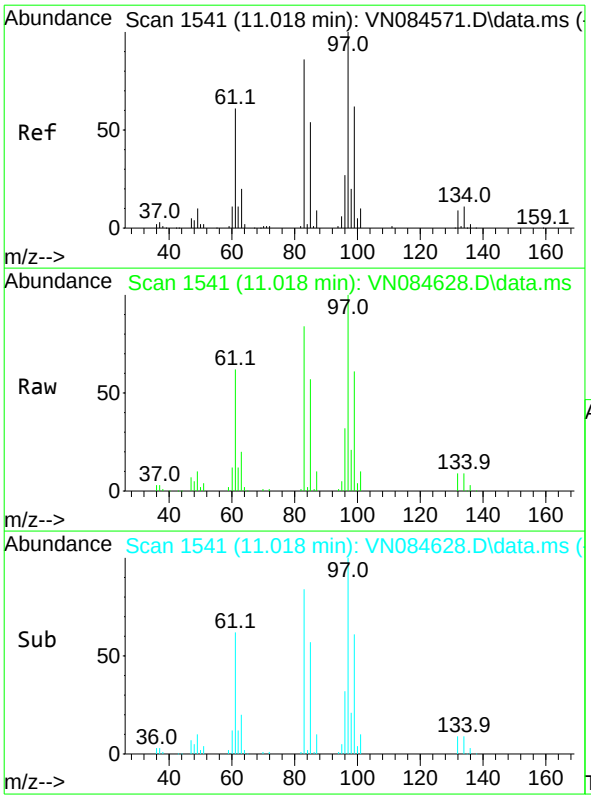


#54
cis-1,3-Dichloropropene
Concen: 49.152 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 169654

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	49.9	38.7	58.1

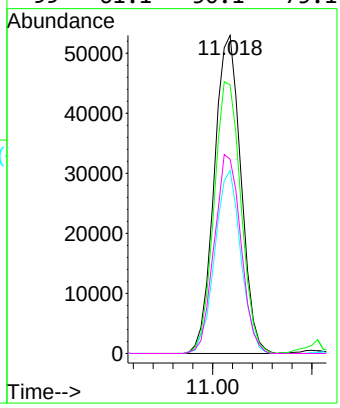




#55
1,1,2-Trichloroethane
Concen: 49.815 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 97 Resp: 99093

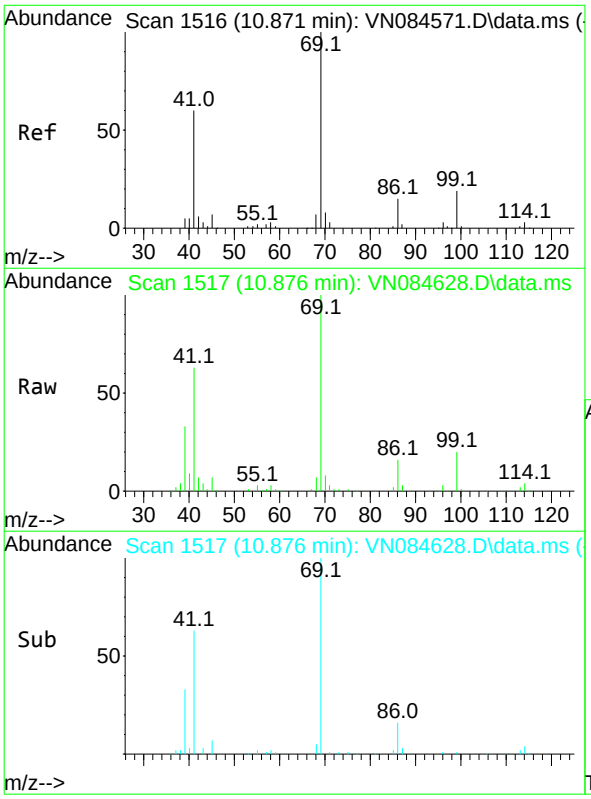
Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.0	106.4
85	57.5	41.7	62.5
99	61.1	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

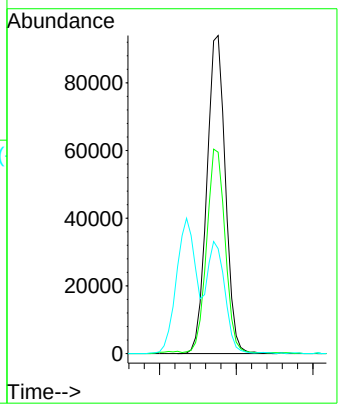
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

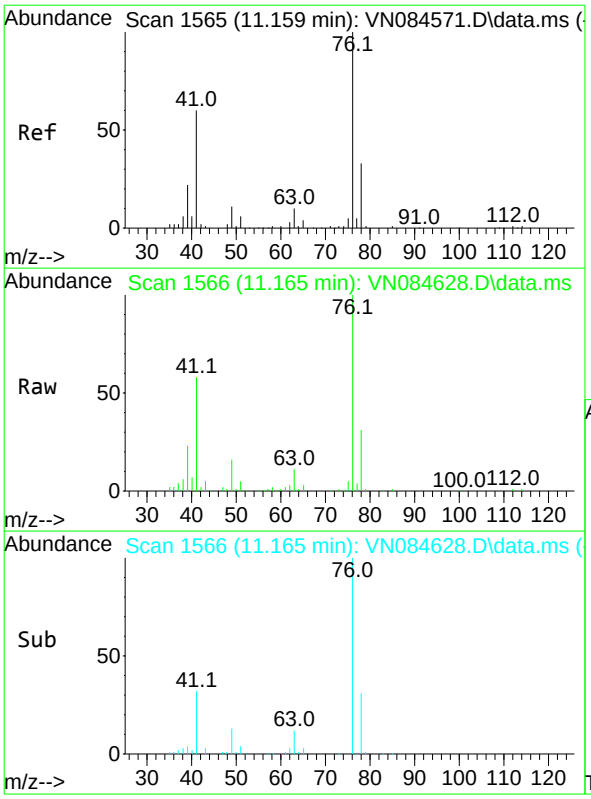


#56
Ethyl methacrylate
Concen: 54.790 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 69 Resp: 157649

Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.3	79.9
39	34.5	28.8	43.2

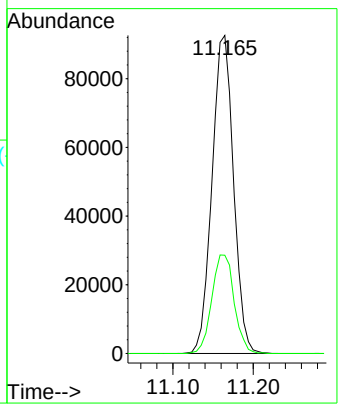




#57
1,3-Dichloropropane
Concen: 50.388 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 76 Resp: 172023

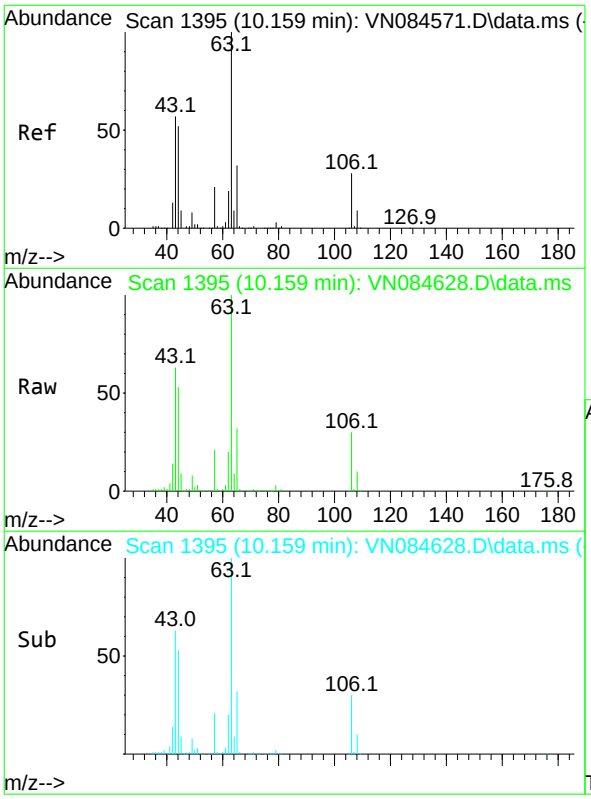
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

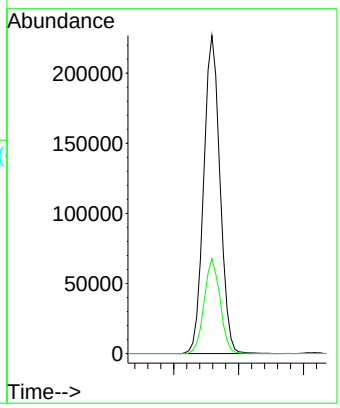
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

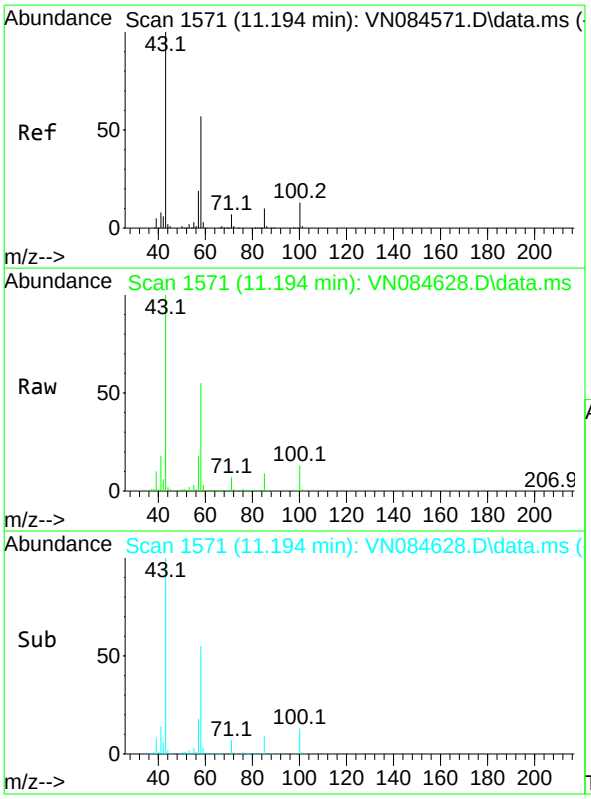


#58
2-Chloroethyl Vinyl ether
Concen: 293.256 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 63 Resp: 394841

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.8	32.6

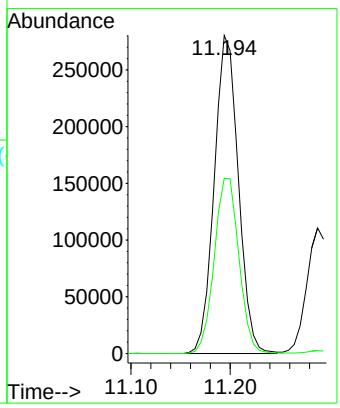




#59
2-Hexanone
Concen: 267.380 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 473287

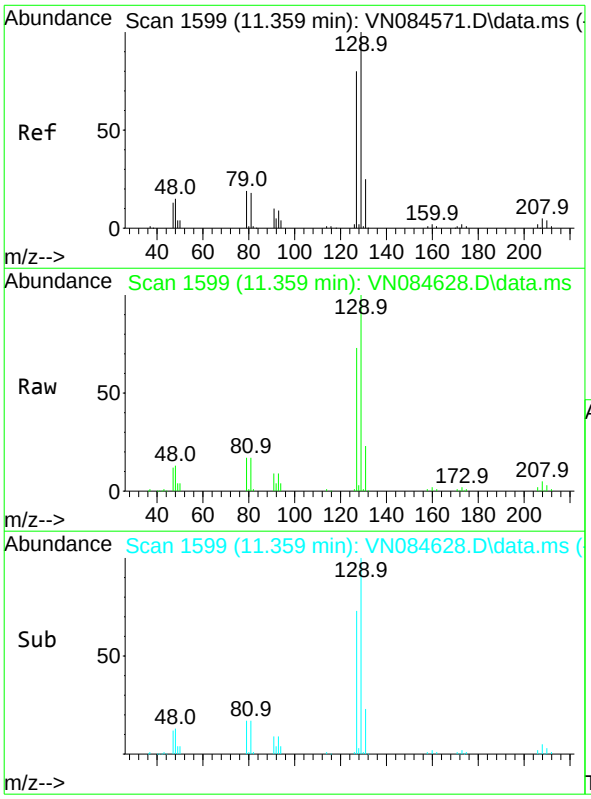
Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

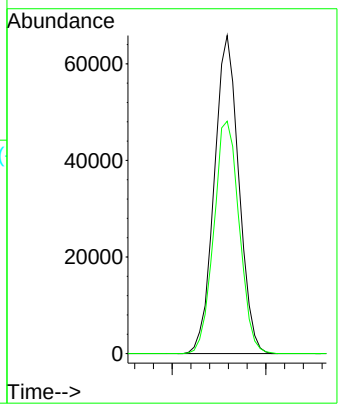
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

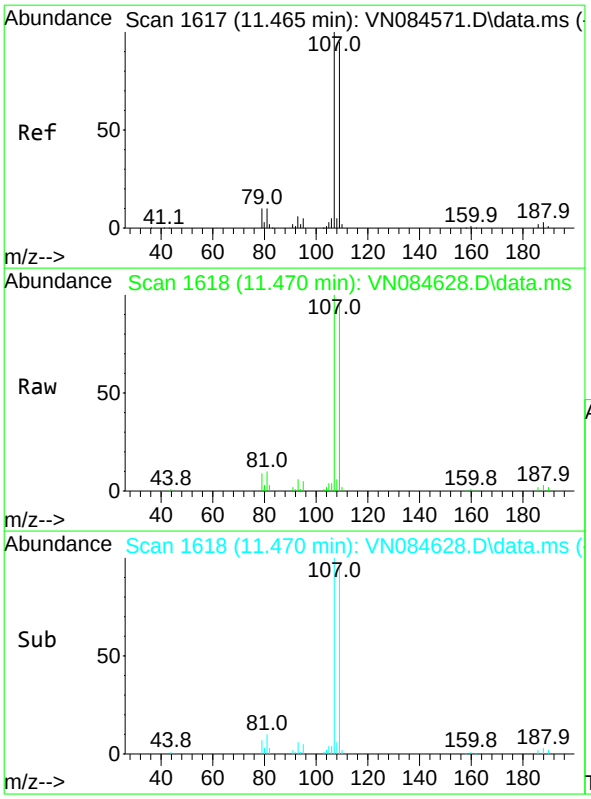


#60
Dibromochloromethane
Concen: 52.956 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:129 Resp: 120058

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.3	114.9

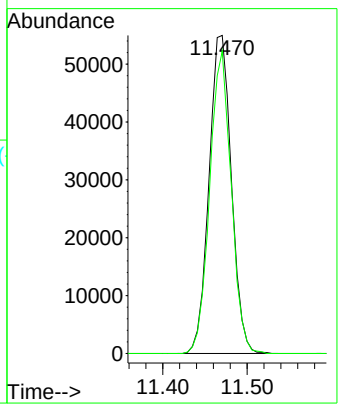




#61
1,2-Dibromoethane
Concen: 49.699 ug/l
RT: 11.470 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:107 Resp: 101240

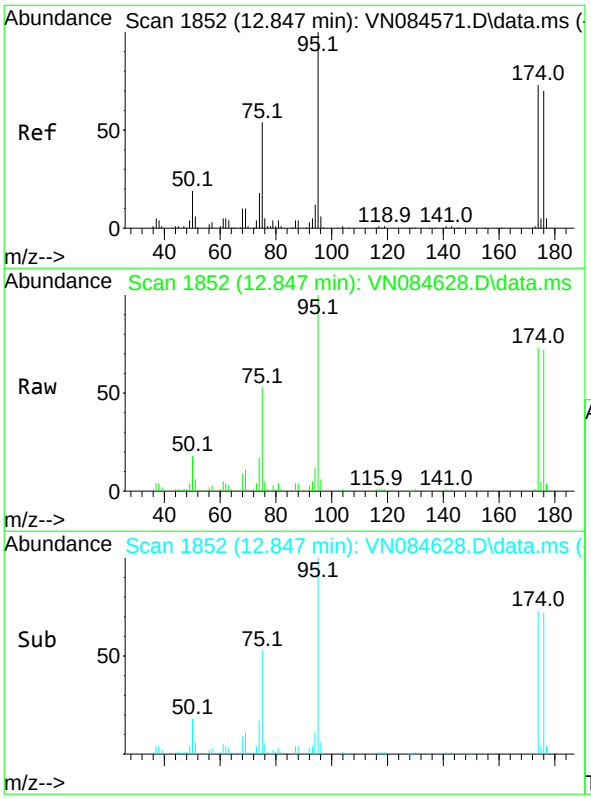
Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

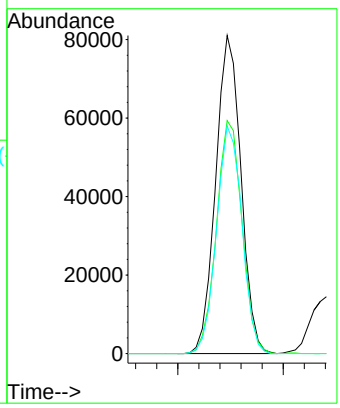
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

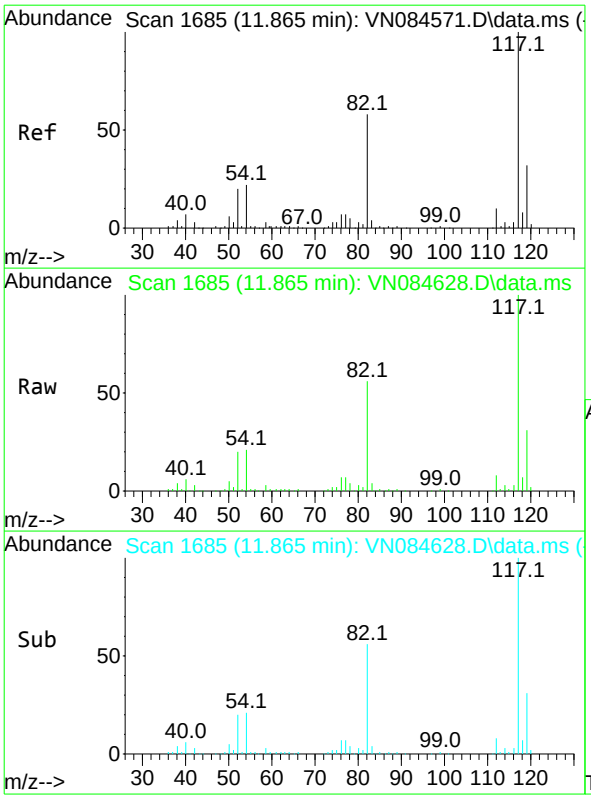


#62
4-Bromofluorobenzene
Concen: 48.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 95 Resp: 135136

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.8	0.0	140.0

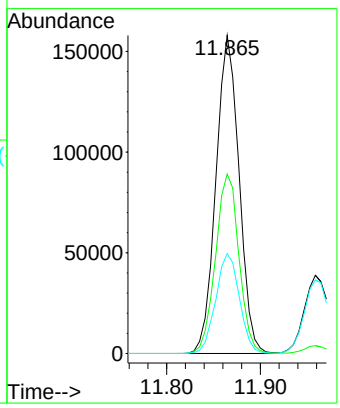




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:117 Resp: 271207

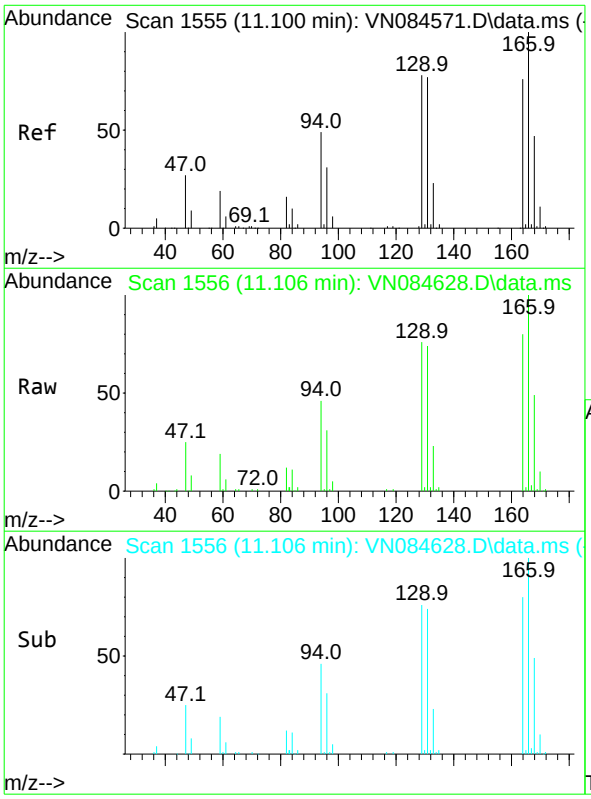
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	31.4	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

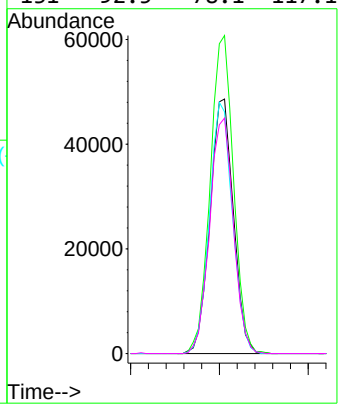
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

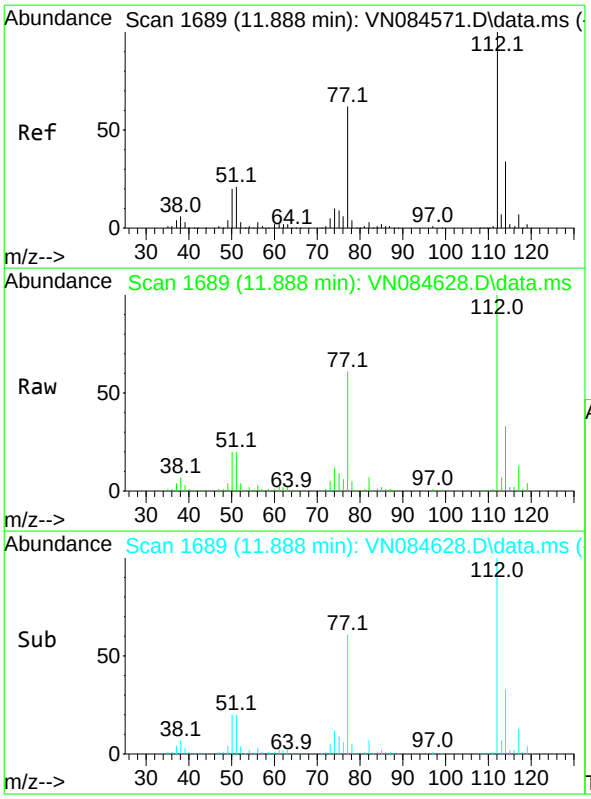


#64
Tetrachloroethene
Concen: 49.207 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:164 Resp: 88769

Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.0	151.4
129	95.0	80.8	121.2
131	92.5	78.1	117.1

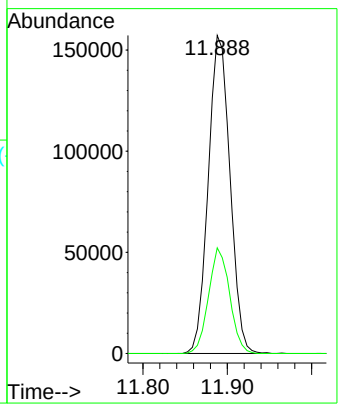




#65
Chlorobenzene
Concen: 46.410 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:112 Resp: 281585

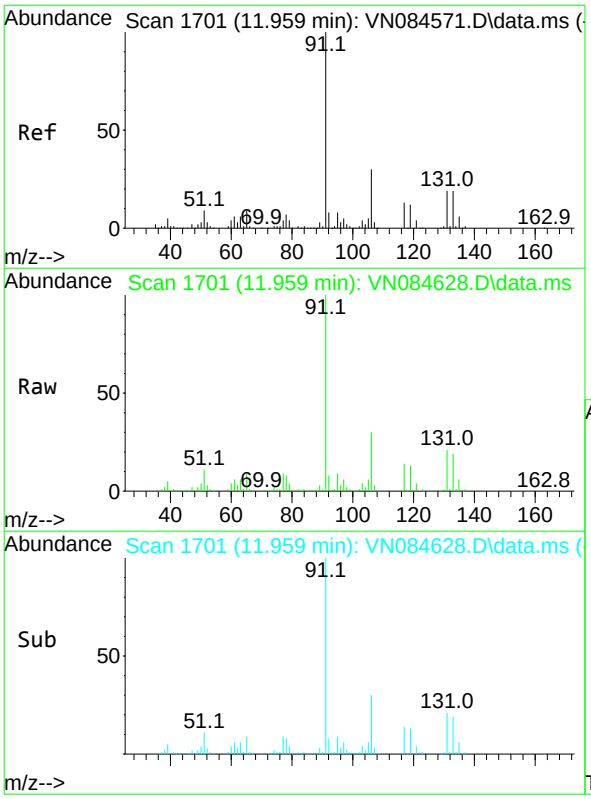
Ion	Ratio	Lower	Upper
112	100		
114	33.2	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

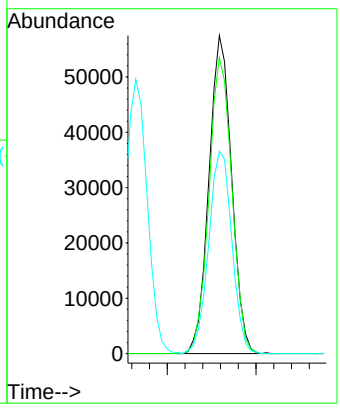
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

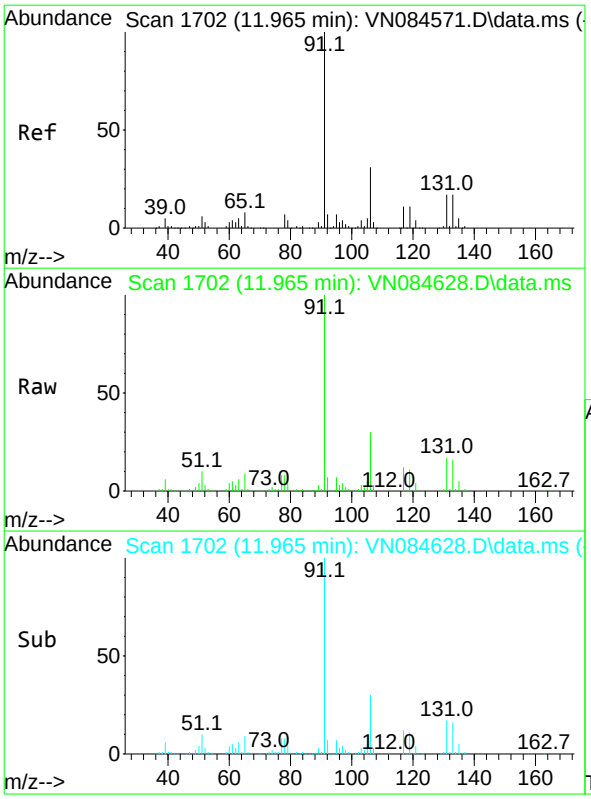


#66
1,1,1,2-Tetrachloroethane
Concen: 48.299 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:131 Resp: 101931

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	65.2	32.8	98.3

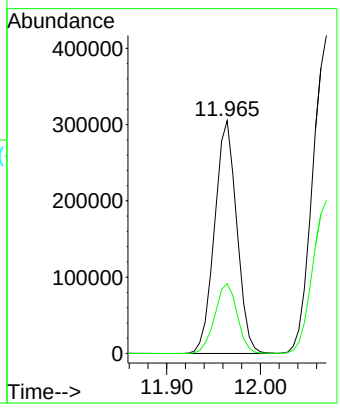




#67
Ethyl Benzene
Concen: 49.531 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 501636

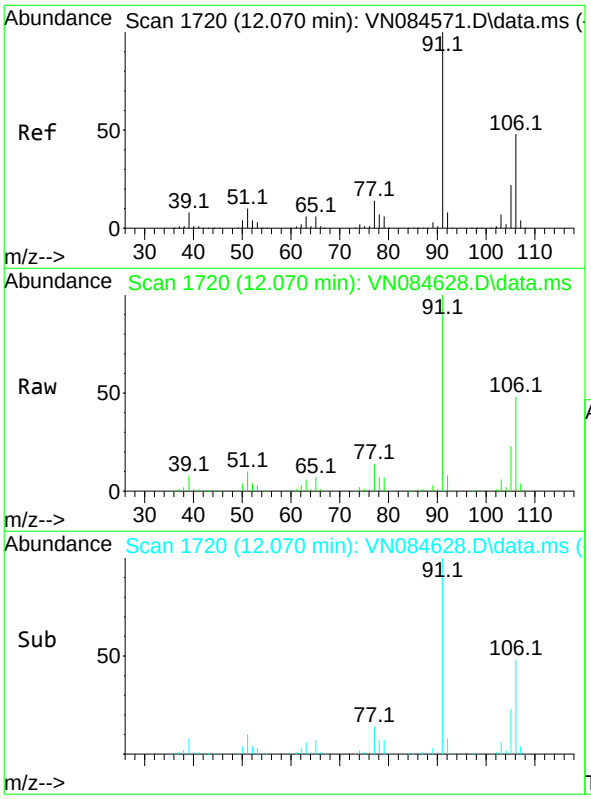
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

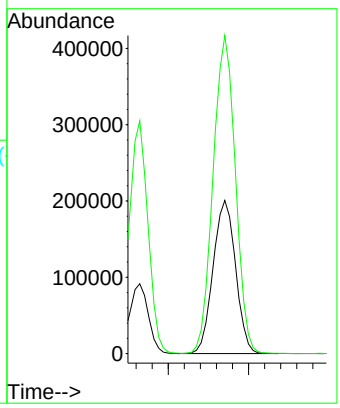
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

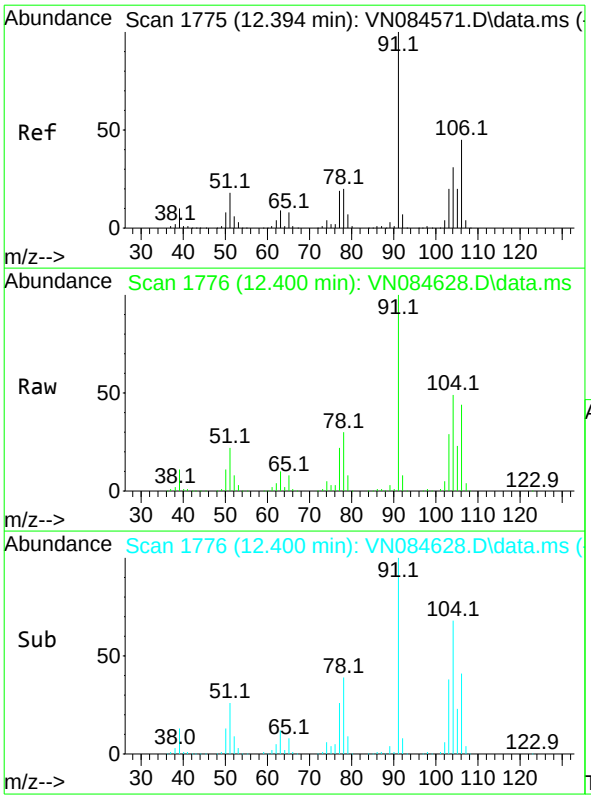


#68
m/p-Xylenes
Concen: 101.948 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:106 Resp: 390896

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7

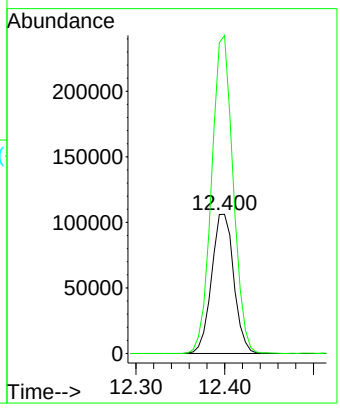




#69
o-Xylene
Concen: 51.466 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:106 Resp: 184603

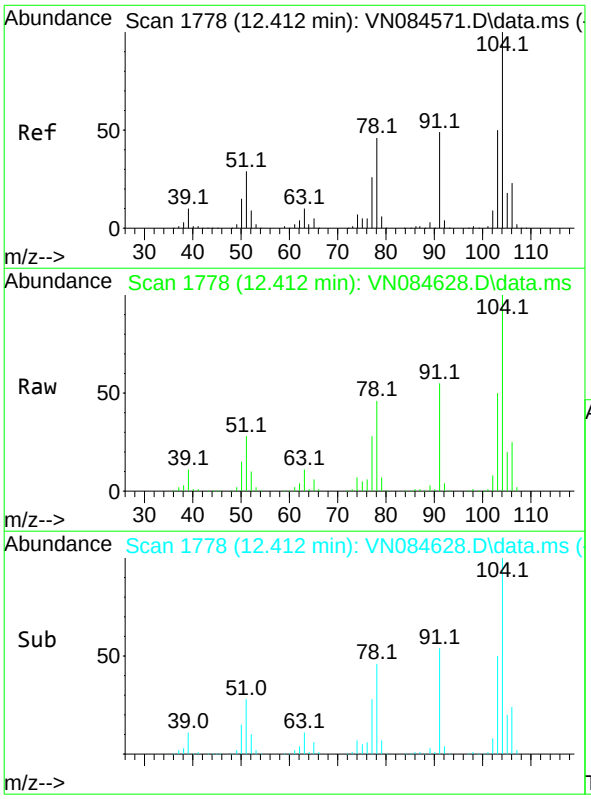
Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

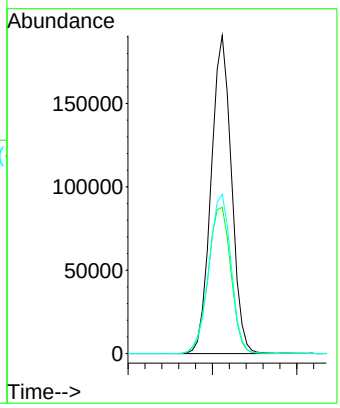
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

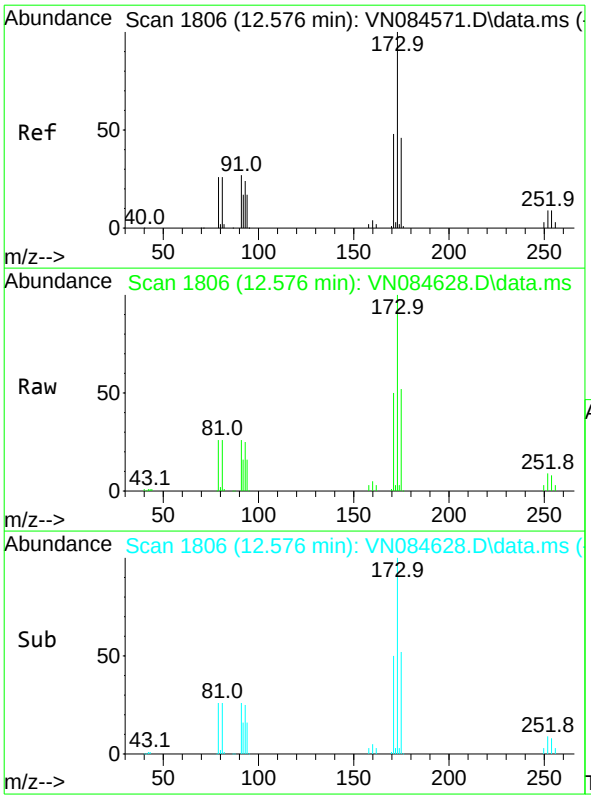


#70
Styrene
Concen: 51.179 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:104 Resp: 320232

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	54.3	43.6	65.4

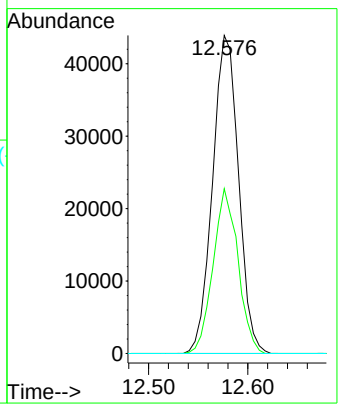




#71
Bromoform
Concen: 50.263 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:173 Resp: 79820

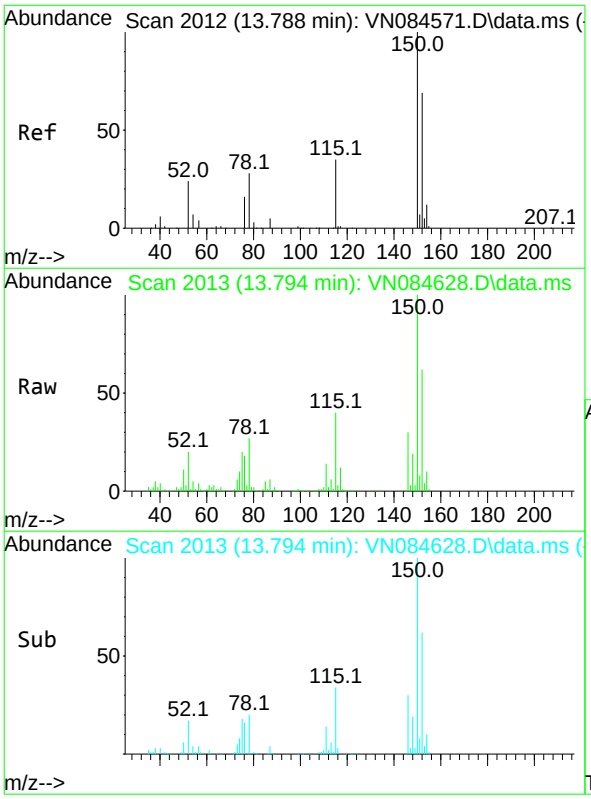
Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

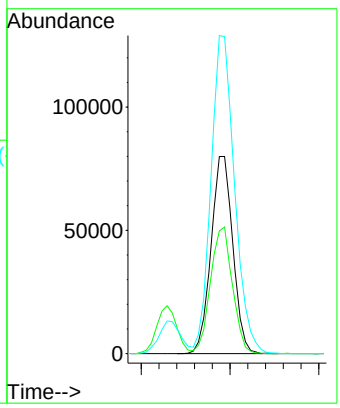
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

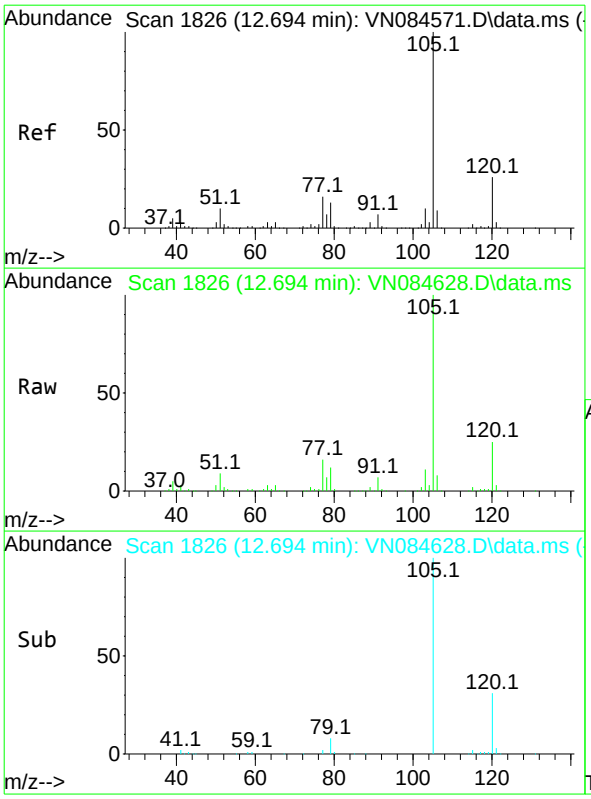


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:152 Resp: 136355

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	174.9	0.0	349.8

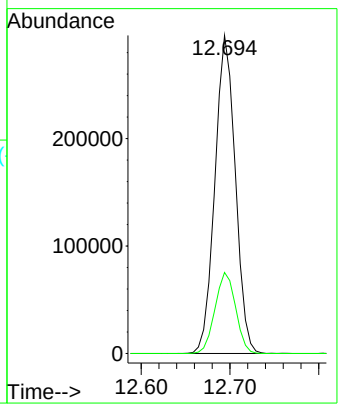




#73
Isopropylbenzene
Concen: 49.514 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 473125

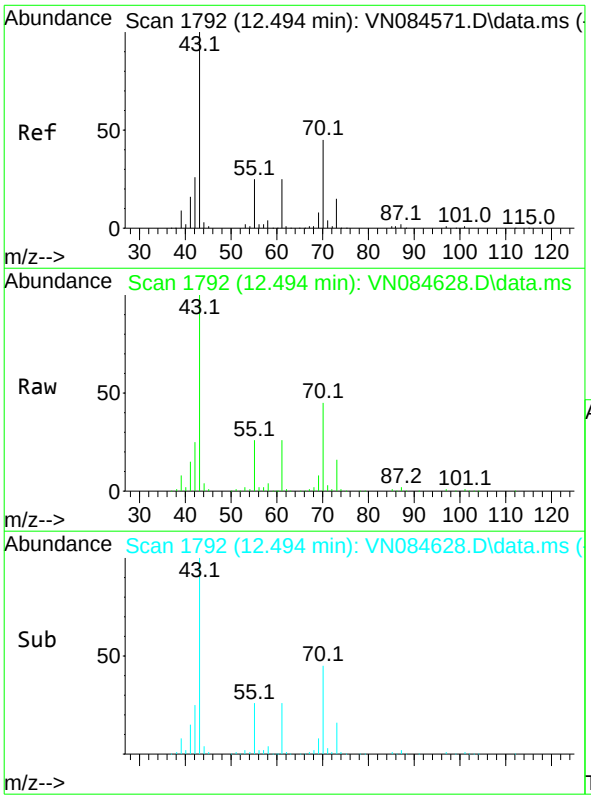
Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

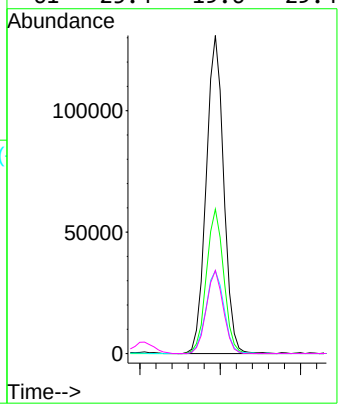
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

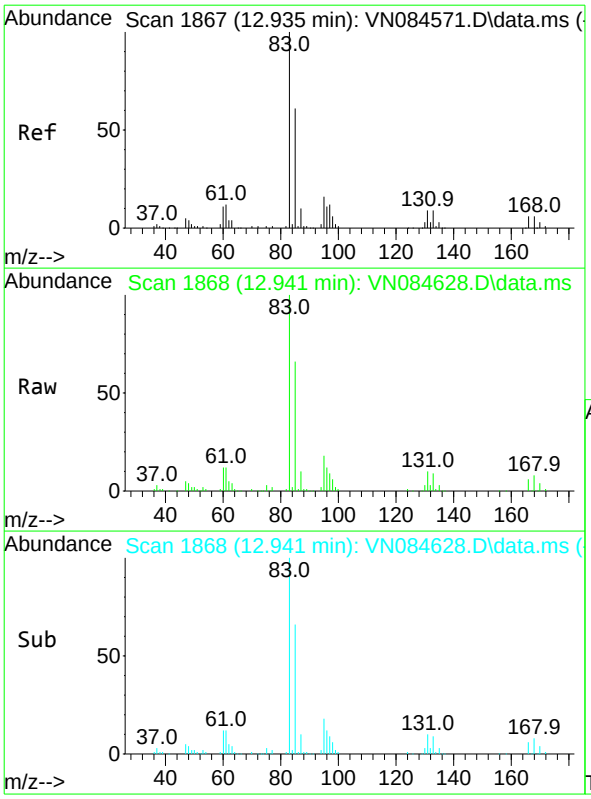


#74
N-amyl acetate
Concen: 48.799 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 198462

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.4	51.6
55	26.8	19.6	29.4
61	25.4	19.6	29.4

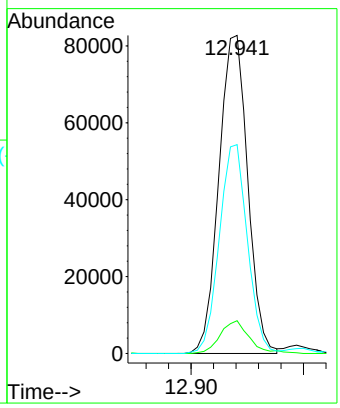




#75
1,1,2,2-Tetrachloroethane
Concen: 46.136 ug/l
RT: 12.941 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 83 Resp: 147150

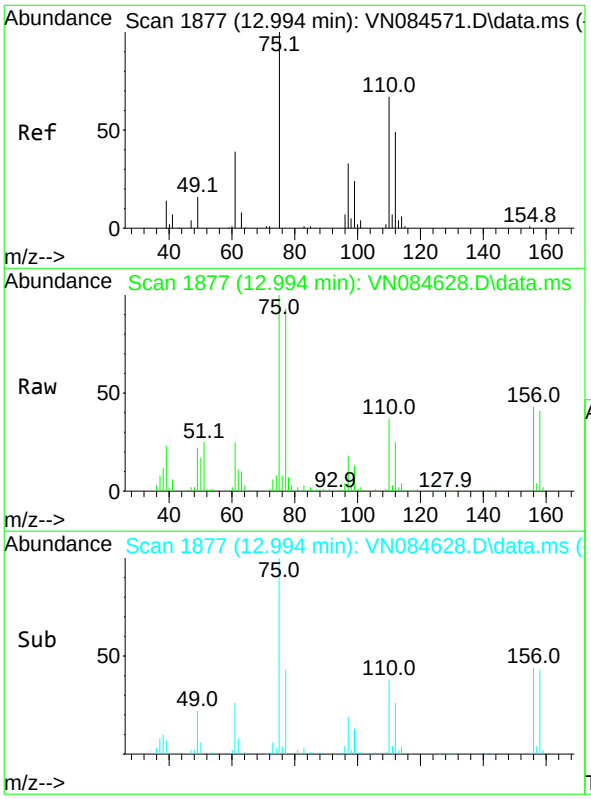
Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	64.1	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

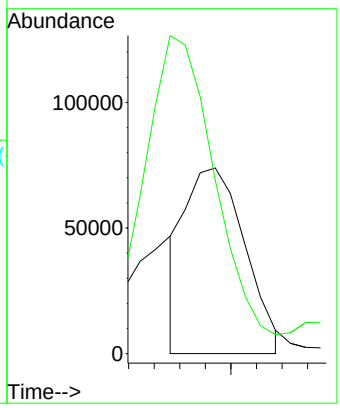
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

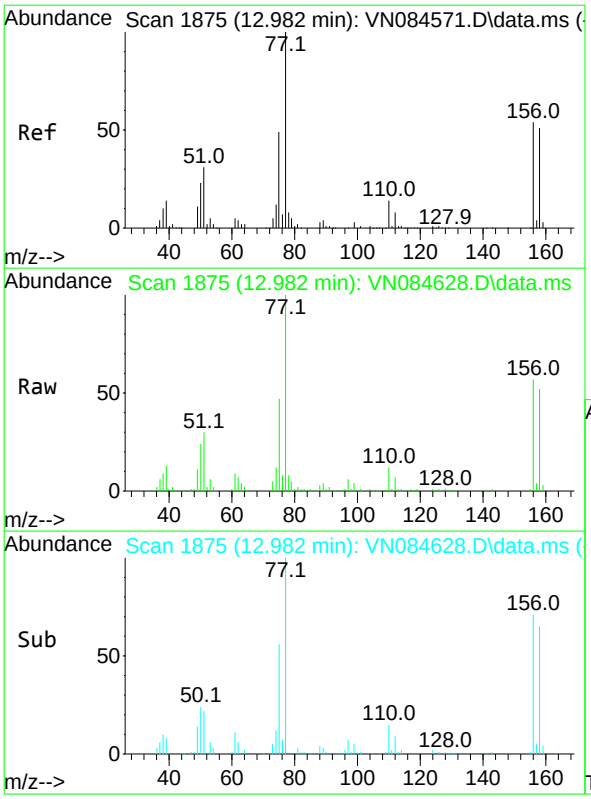


#76
1,2,3-Trichloropropane
Concen: 44.254 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 120621

Ion	Ratio	Lower	Upper
75	100		
77	209.5	96.9	290.7

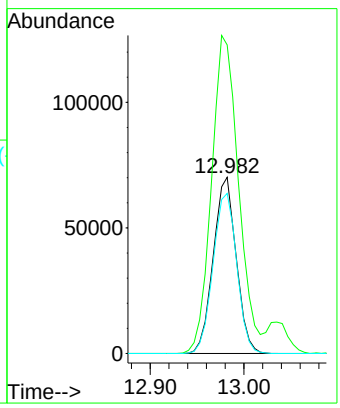




#77
Bromobenzene
Concen: 46.399 ug/l
RT: 12.982 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:156 Resp: 119190

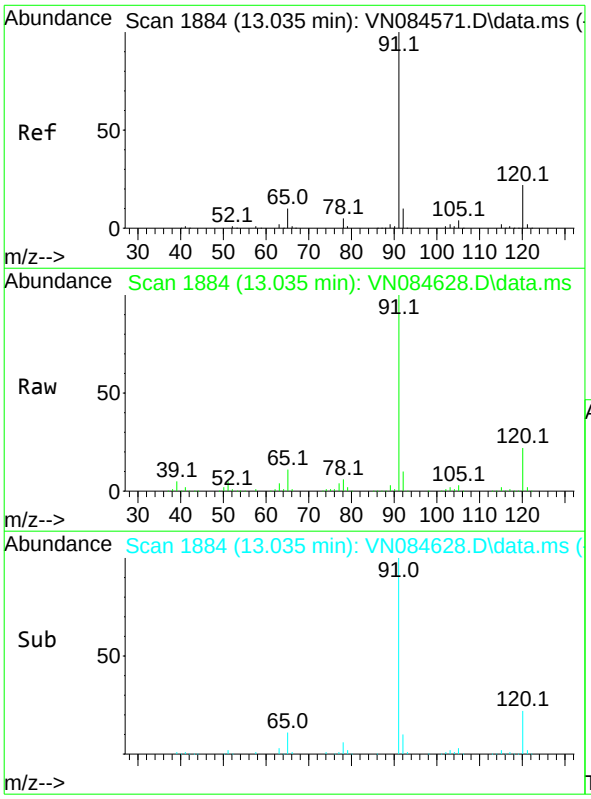
Ion	Ratio	Lower	Upper
156	100		
77	212.0	115.1	345.3
158	93.9	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

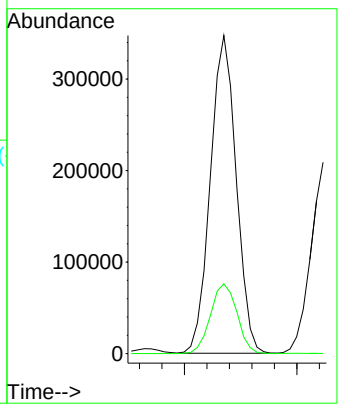
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

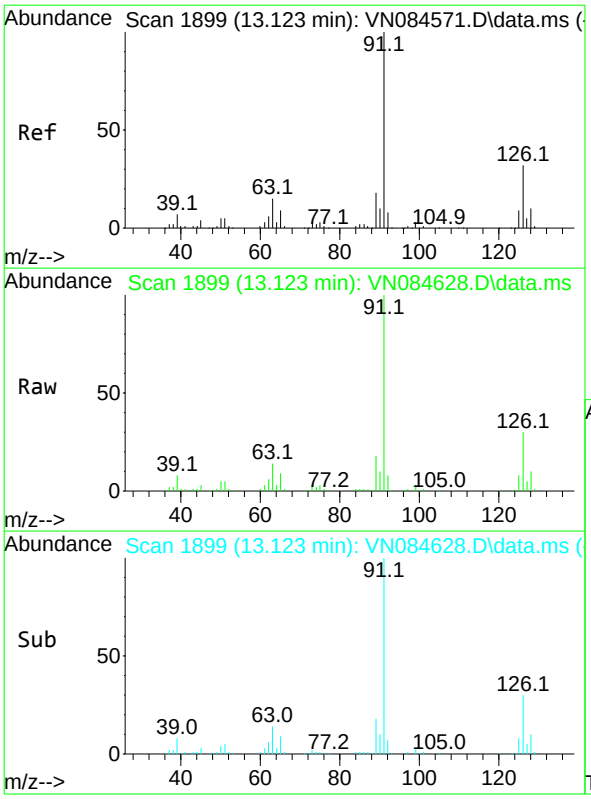


#78
n-propylbenzene
Concen: 49.493 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 554194

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

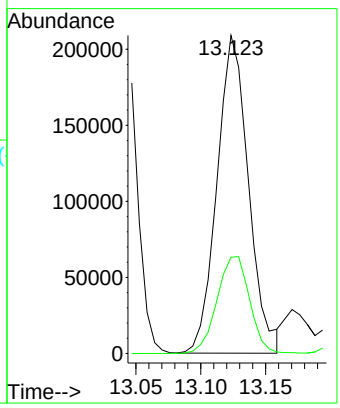




#79
2-Chlorotoluene
Concen: 48.213 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 352750

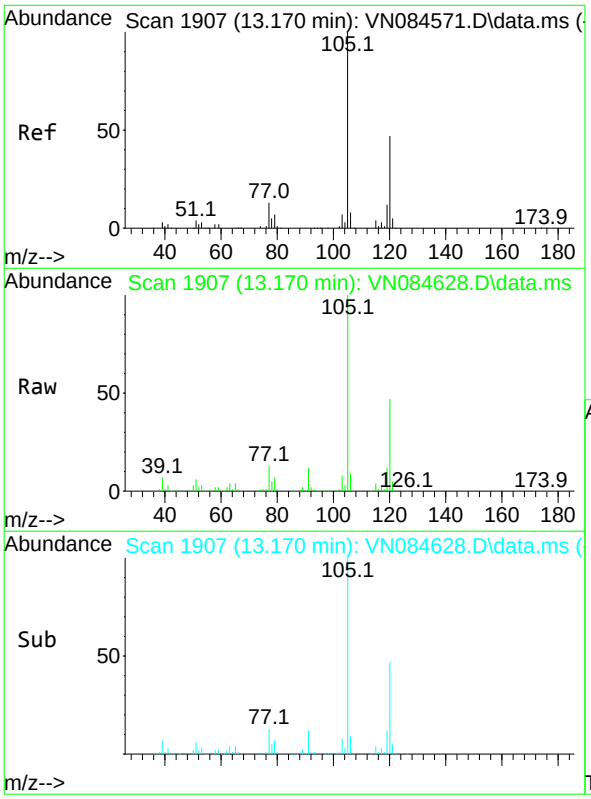
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

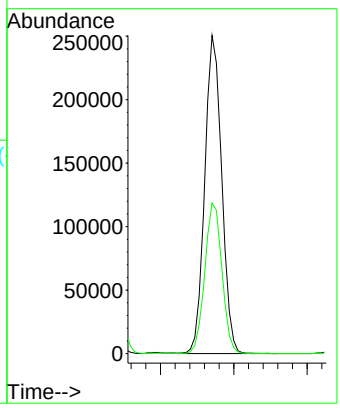
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

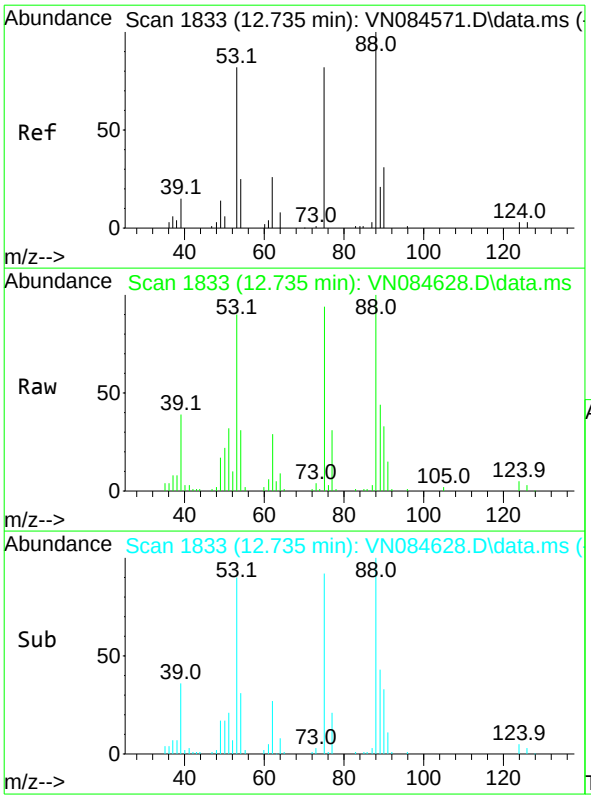


#80
1,3,5-Trimethylbenzene
Concen: 50.871 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 402880

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 45.512 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

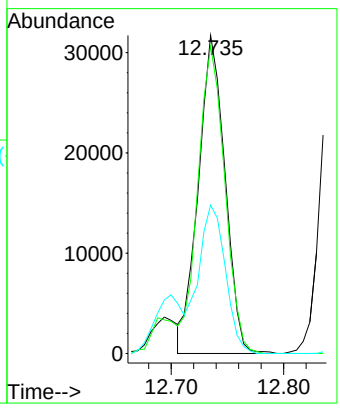
Tgt Ion: 75 Resp: 52289

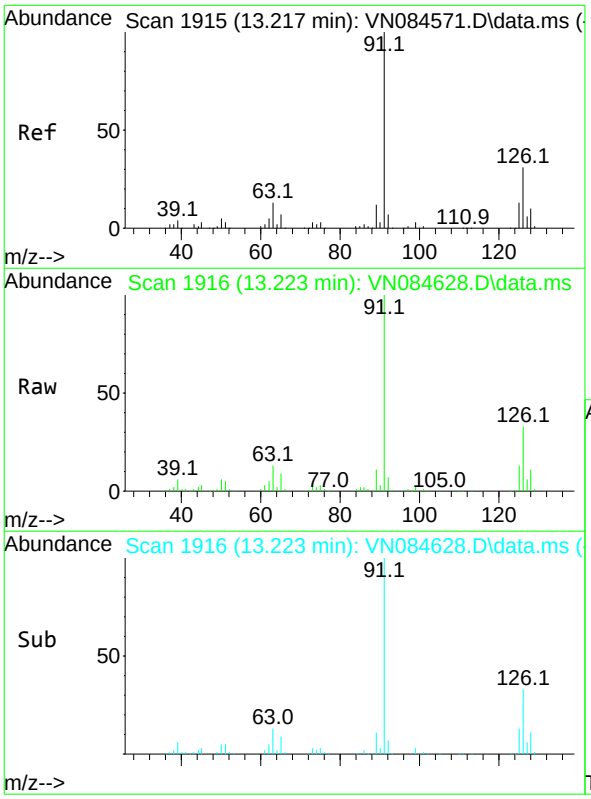
Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.0	117.0
89	47.2	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

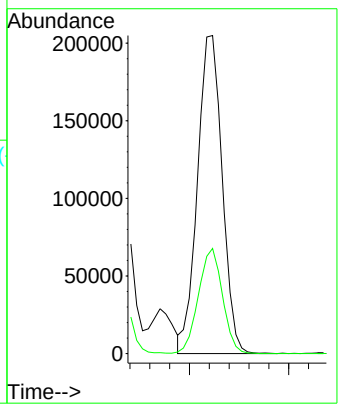


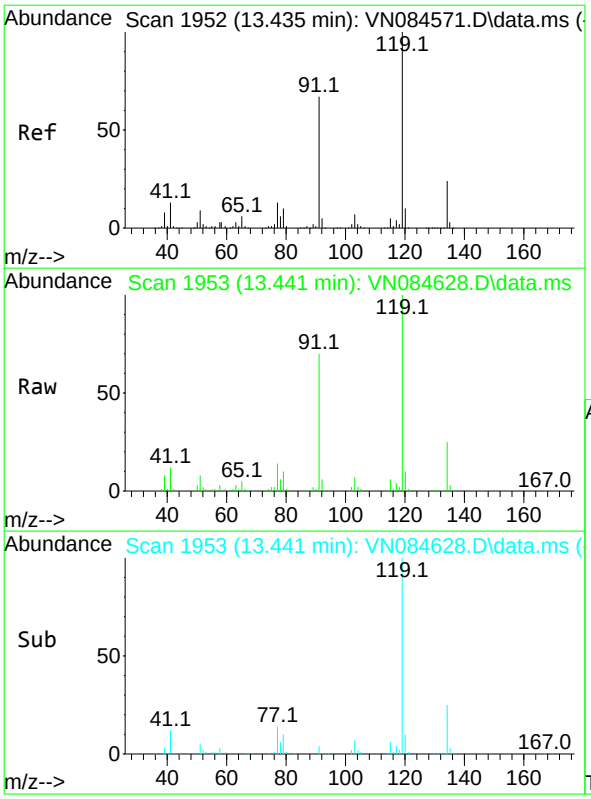


#82
4-Chlorotoluene
Concen: 46.096 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 354928

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1

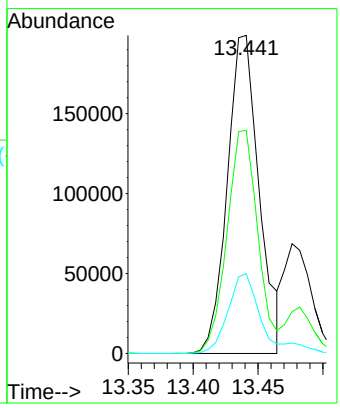




#83
tert-Butylbenzene
Concen: 51.939 ug/l
RT: 13.441 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:119 Resp: 340435

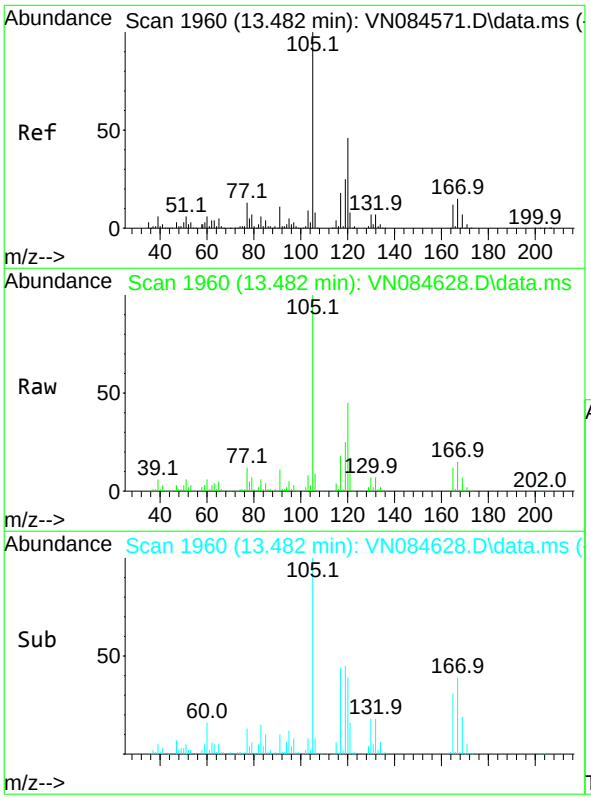
Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	26.5	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

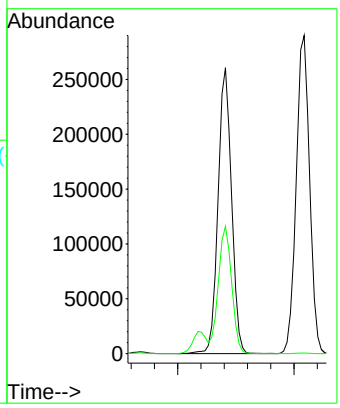
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

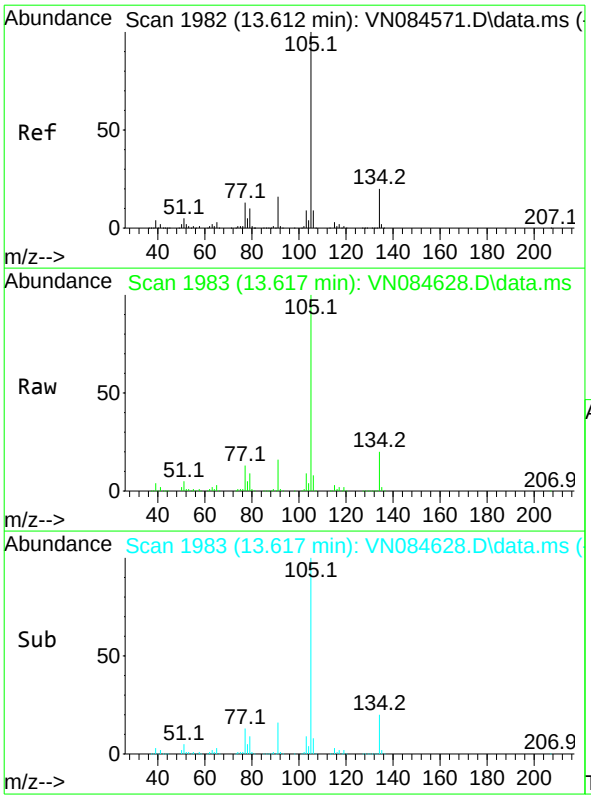


#84
1,2,4-Trimethylbenzene
Concen: 51.171 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 418264

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8

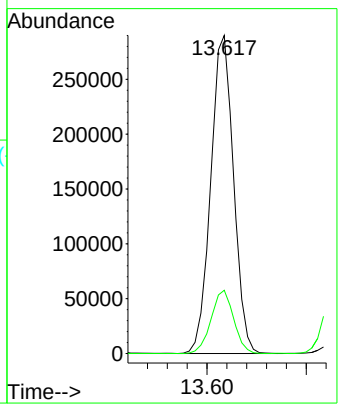




#85
sec-Butylbenzene
Concen: 49.984 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 462789

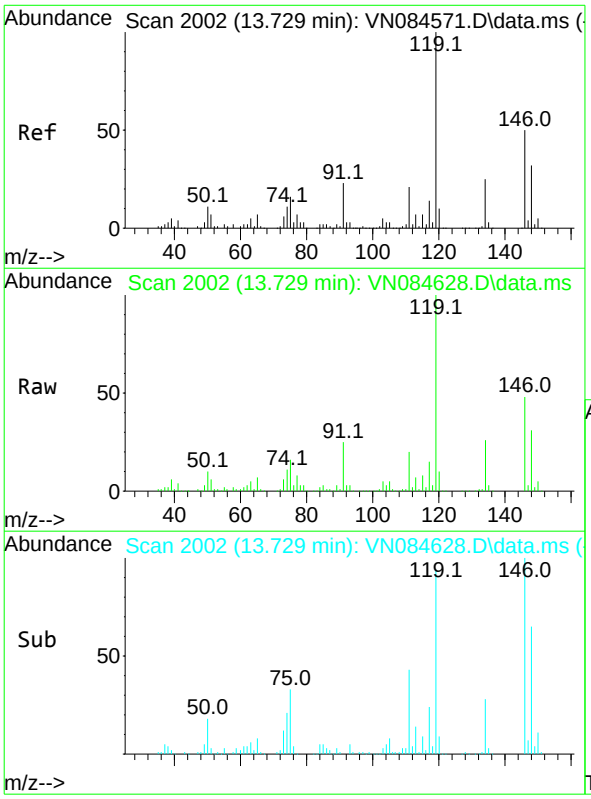
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

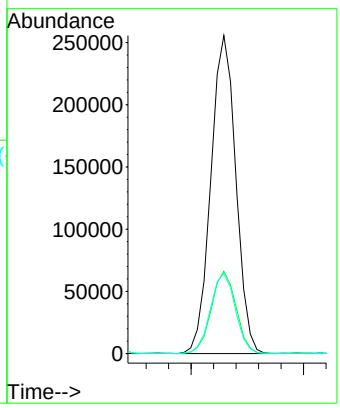
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

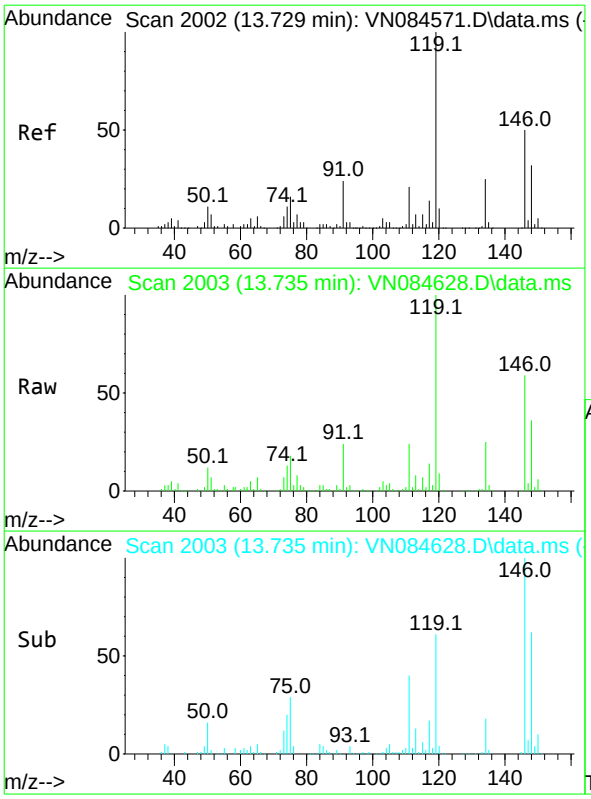


#86
p-Isopropyltoluene
Concen: 52.012 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:119 Resp: 394941

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2

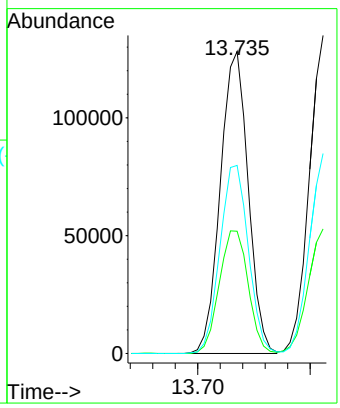




#87
1,3-Dichlorobenzene
Concen: 43.977 ug/l
RT: 13.735 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:146 Resp: 220467

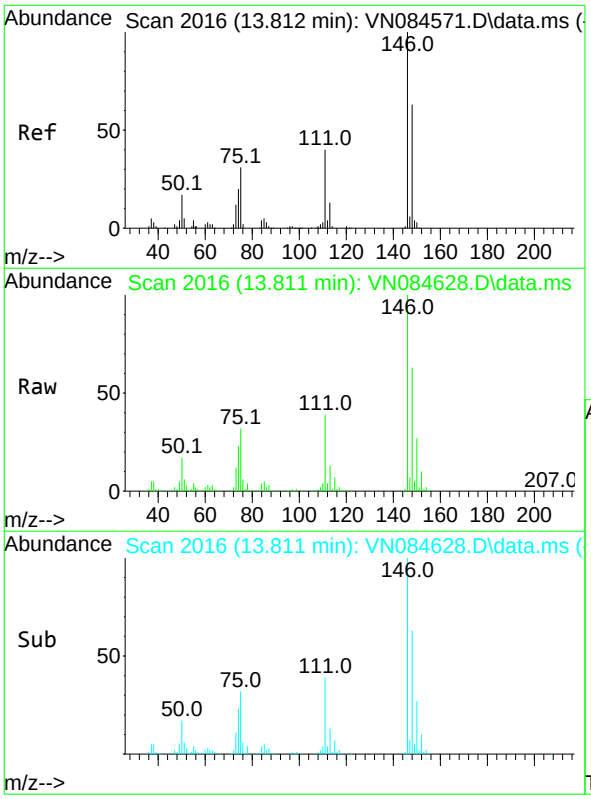
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	63.8	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

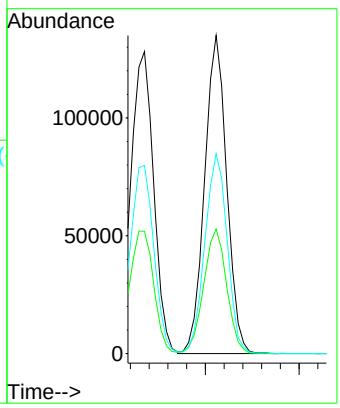
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

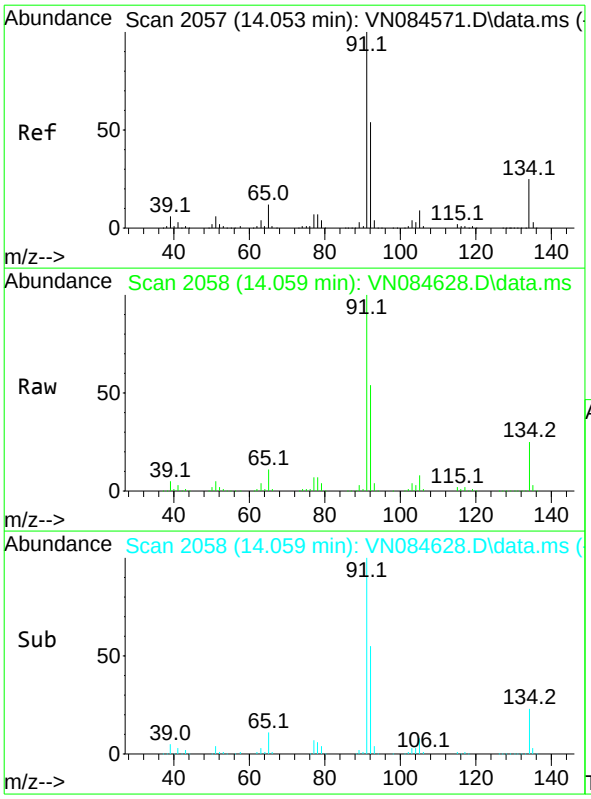


#88
1,4-Dichlorobenzene
Concen: 48.021 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:146 Resp: 221013

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.5	31.9	95.9

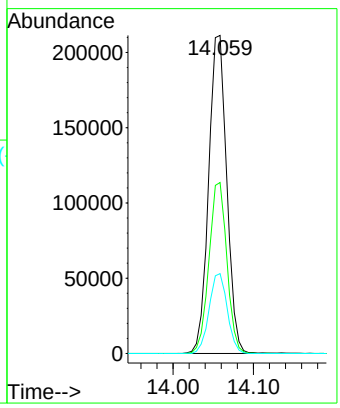




#89
n-Butylbenzene
Concen: 46.517 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 330406

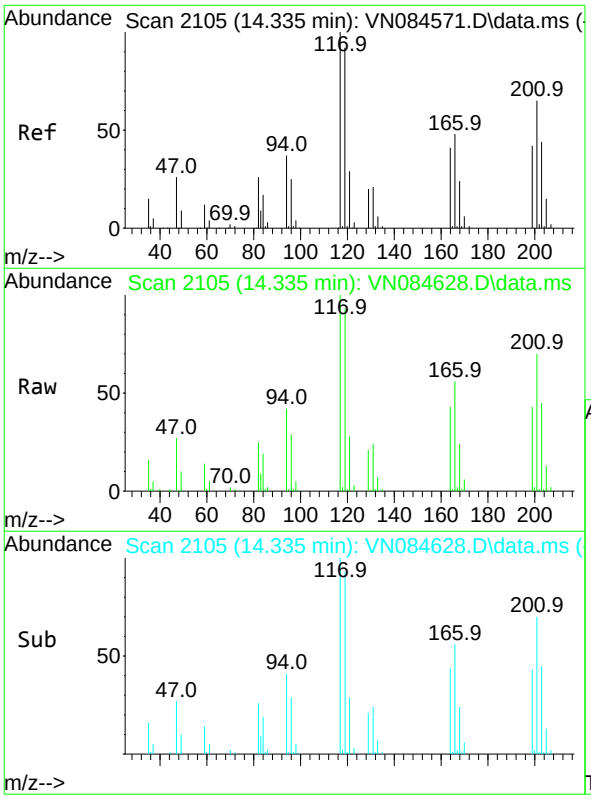
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.2	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

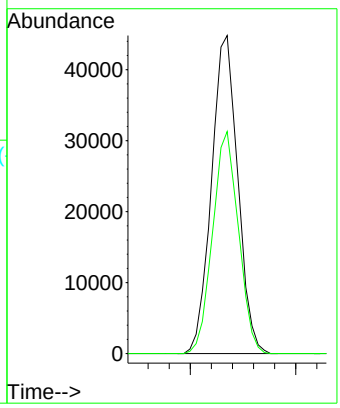
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

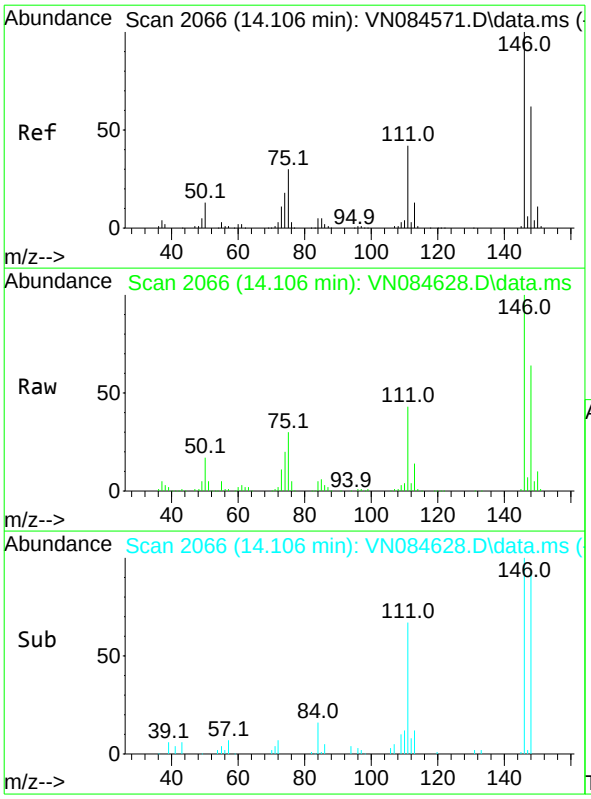


#90
Hexachloroethane
Concen: 45.835 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:117 Resp: 77615

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.4	103.2

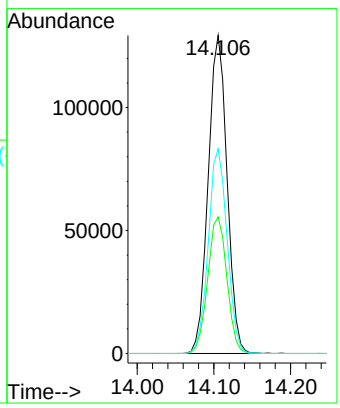




#91
1,2-Dichlorobenzene
Concen: 45.845 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:146 Resp: 220854

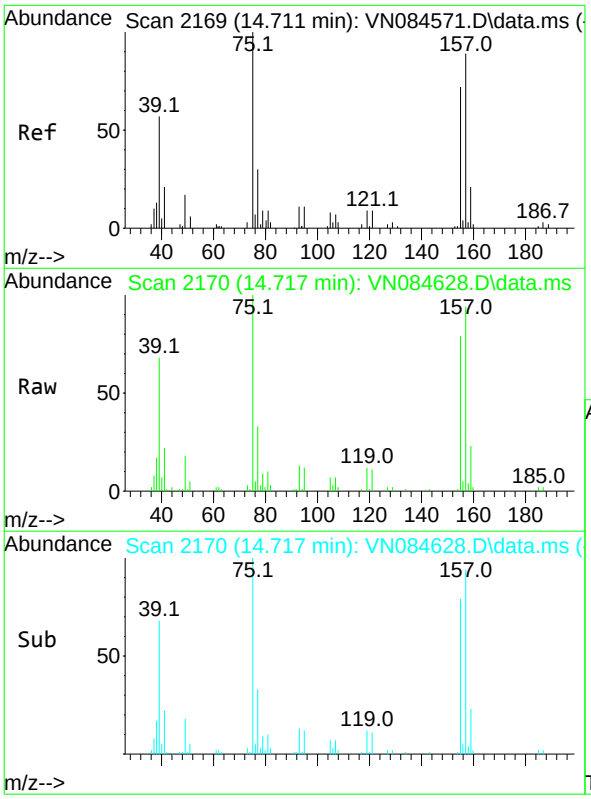
Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.5	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

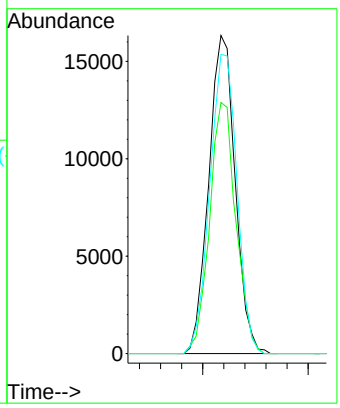
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

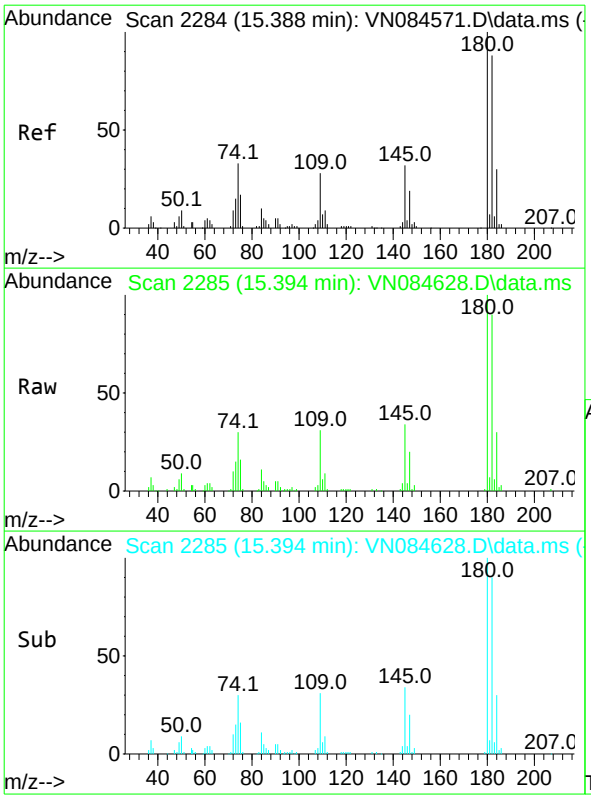


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.085 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 28485

Ion	Ratio	Lower	Upper
75	100		
155	78.7	38.1	114.5
157	96.7	49.6	149.0

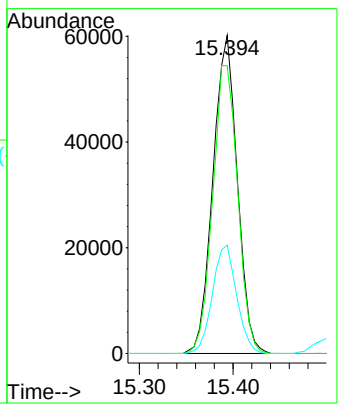




#93
1,2,4-Trichlorobenzene
Concen: 41.167 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:180 Resp: 108547

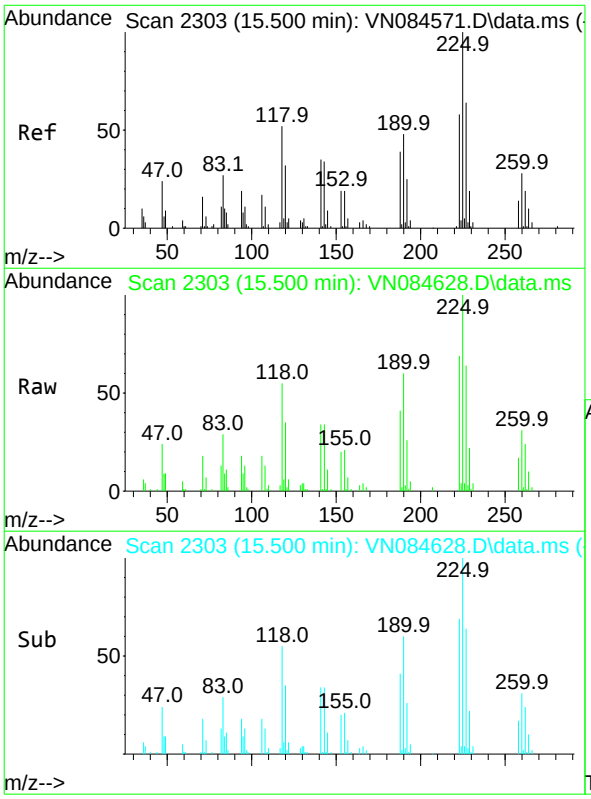
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.0
145	33.9	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

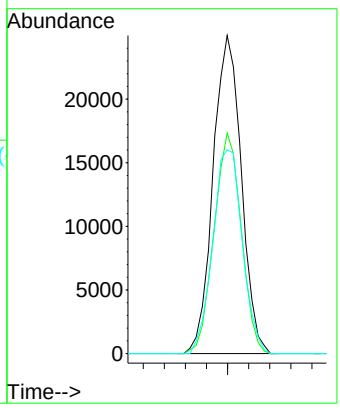
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

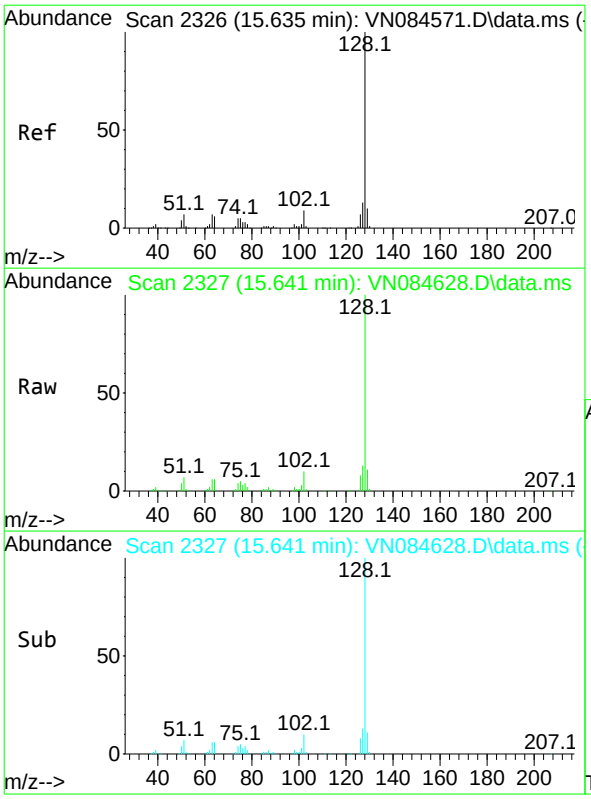


#94
Hexachlorobutadiene
Concen: 40.091 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:225 Resp: 46422

Ion	Ratio	Lower	Upper
225	100		
223	66.9	32.4	97.2
227	67.0	32.4	97.0





#95
Naphthalene
Concen: 44.063 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

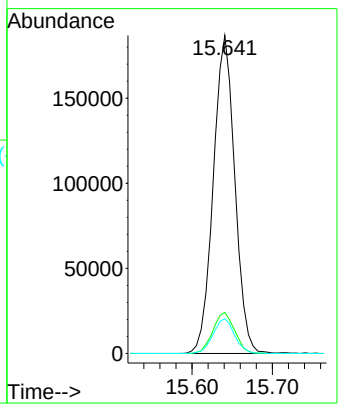
Tgt Ion:128 Resp: 347756

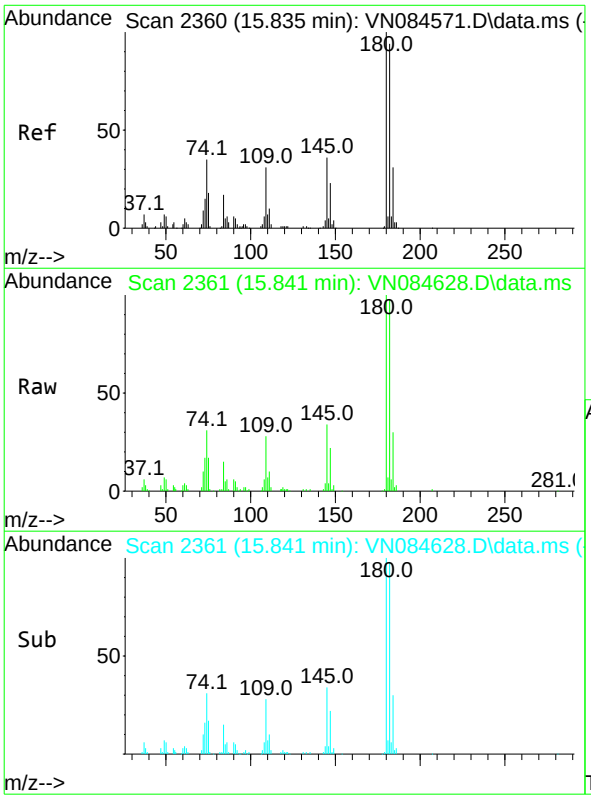
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

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

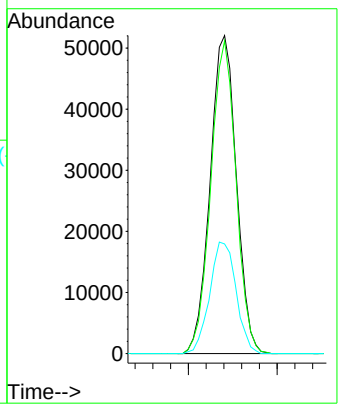




#96
1,2,3-Trichlorobenzene
Concen: 41.757 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:180 Resp: 106880

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.2	144.6
145	35.3	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	99	0.00
2	T	Dichlorodifluoromethane	0.575	0.538	6.4	96	0.00
3	P	Chloromethane	0.952	0.582	38.9#	86	0.00
4	C	Vinyl Chloride	0.618	0.566	8.4#	92	0.00
5	T	Bromomethane	0.328	0.288	12.2	96	-0.05
6	T	Chloroethane	0.488	0.364	25.4#	95	-0.05
7	T	Trichlorofluoromethane	1.018	0.944	7.3	97	-0.03
8	T	Diethyl Ether	0.359	0.340	5.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.549	4.5	97	-0.01
10	T	Methyl Iodide	0.769	0.706	8.2	95	-0.02
11	T	Tert butyl alcohol	0.095	0.080	15.8	91	0.01
12	CM	1,1-Dichloroethene	0.569	0.502	11.8#	92	-0.02
13	T	Acrolein	0.095	0.101	-6.3	114	0.00
14	T	Allyl chloride	0.923	0.865	6.3	93	-0.01
15	T	Acrylonitrile	0.276	0.266	3.6	97	0.00
16	T	Acetone	0.238	0.204	14.3	99	0.00
17	T	Carbon Disulfide	1.753	1.480	15.6	91	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	91	0.00
19	T	Methyl tert-butyl Ether	1.745	1.720	1.4	97	0.00
20	T	Methylene Chloride	0.635	0.598	5.8	98	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.542	7.4	95	-0.01
22	T	Diisopropyl ether	1.835	1.818	0.9	97	0.00
23	T	Vinyl Acetate	1.265	1.267	-0.2	96	0.00
24	P	1,1-Dichloroethane	1.102	1.047	5.0	97	0.00
25	T	2-Butanone	0.337	0.326	3.3	102	0.00
26	T	2,2-Dichloropropane	0.959	0.929	3.1	97	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.652	4.5	97	0.00
28	T	Bromochloromethane	0.439	0.492	-12.1	95	0.00
29	T	Tetrahydrofuran	0.224	0.221	1.3	98	0.00
30	C	Chloroform	1.121	1.078	3.8#	98	0.00
31	T	Cyclohexane	0.997	0.878	11.9	92	0.00
32	T	1,1,1-Trichloroethane	1.021	0.967	5.3	96	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.644	10.8	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.338	0.325	3.8	91	0.00
36	T	1,1-Dichloropropene	0.469	0.450	4.1	96	0.00
37	T	Ethyl Acetate	0.426	0.430	-0.9	98	0.00
38	T	Carbon Tetrachloride	0.525	0.514	2.1	96	0.00
39	T	Methylcyclohexane	0.478	0.490	-2.5	93	0.00
40	TM	Benzene	1.507	1.457	3.3	97	0.00
41	T	Methacrylonitrile	0.229	0.246	-7.4	96	0.00
42	TM	1,2-Dichloroethane	0.488	0.484	0.8	94	0.00
43	T	Isopropyl Acetate	0.927	0.730	21.3	93	0.00
44	TM	Trichloroethene	0.348	0.325	6.6	93	0.00
45	C	1,2-Dichloropropane	0.354	0.356	-0.6#	98	0.00
46	T	Dibromomethane	0.250	0.251	-0.4	99	0.00
47	T	Bromodichloromethane	0.526	0.522	0.8	96	0.00
48	T	Methyl methacrylate	0.331	0.352	-6.3	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	100	0.00
50	S	Toluene-d8	1.247	1.185	5.0	87	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.430	-5.9	98	0.00
52	CM	Toluene	0.882	0.905	-2.6#	97	0.00
53	T	t-1,3-Dichloropropene	0.544	0.517	5.0	91	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.566	1.7	94	0.00
55	T	1,1,2-Trichloroethane	0.332	0.331	0.3	97	0.00
56	T	Ethyl methacrylate	0.480	0.526	-9.6	94	0.00
57	T	1,3-Dichloropropane	0.570	0.574	-0.7	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.264	-17.3	97	0.00
59	T	2-Hexanone	0.296	0.316	-6.8	98	0.00
60	T	Dibromochloromethane	0.378	0.401	-6.1	98	0.00
61	T	1,2-Dibromoethane	0.340	0.338	0.6	97	0.00
62	S	4-Bromofluorobenzene	0.466	0.451	3.2	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.333	0.327	1.8	102	0.00
65	PM	Chlorobenzene	1.119	1.038	7.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.376	3.3	97	0.00
67	C	Ethyl Benzene	1.867	1.850	0.9#	95	0.00
68	T	m/p-Xylenes	0.707	0.721	-2.0	96	0.00
69	T	o-Xylene	0.661	0.681	-3.0	96	0.00
70	T	Styrene	1.154	1.181	-2.3	95	0.00
71	P	Bromoform	0.293	0.294	-0.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73	T	Isopropylbenzene	3.504	3.470	1.0	96	0.00
74	T	N-amyl acetate	1.491	1.455	2.4	94	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.079	7.8	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.885	11.4	98	0.00
77	T	Bromobenzene	0.942	0.874	7.2	98	0.00
78	T	n-propylbenzene	4.106	4.064	1.0	95	0.00
79	T	2-Chlorotoluene	2.683	2.587	3.6	97	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.955	-1.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.383	9.0	94	0.00
82	T	4-Chlorotoluene	2.823	2.603	7.8	94	0.00
83	T	tert-Butylbenzene	2.403	2.497	-3.9	97	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.067	-2.3	96	0.00
85	T	sec-Butylbenzene	3.395	3.394	0.0	95	0.00
86	T	p-Isopropyltoluene	2.784	2.896	-4.0	94	0.00
87	T	1,3-Dichlorobenzene	1.838	1.617	12.0	96	0.00
88	T	1,4-Dichlorobenzene	1.937	1.621	16.3	95	0.00
89	T	n-Butylbenzene	2.605	2.423	7.0	91	0.00
90	T	Hexachloroethane	0.621	0.569	8.4	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.620	8.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.209	11.8	95	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.796	17.7	91	0.00
94	T	Hexachlorobutadiene	0.425	0.340	20.0	91	0.00
95	T	Naphthalene	2.894	2.550	11.9	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	0.784	16.5	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	99	0.00
2	T	Dichlorodifluoromethane	50.000	46.826	6.3	96	0.00
3	P	Chloromethane	50.000	42.778	14.4	86	0.00
4	C	Vinyl Chloride	50.000	45.789	8.4#	92	0.00
5	T	Bromomethane	50.000	44.031	11.9	96	-0.05
6	T	Chloroethane	50.000	47.426	5.1	95	-0.05
7	T	Trichlorofluoromethane	50.000	46.369	7.3	97	-0.03
8	T	Diethyl Ether	50.000	47.349	5.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.675	4.7	97	-0.01
10	T	Methyl Iodide	50.000	45.919	8.2	95	-0.02
11	T	Tert butyl alcohol	250.000	209.166	16.3	91	0.01
12	CM	1,1-Dichloroethene	50.000	44.115	11.8#	92	-0.02
13	T	Acrolein	250.000	266.751	-6.7	114	0.00
14	T	Allyl chloride	50.000	46.819	6.4	93	-0.01
15	T	Acrylonitrile	250.000	241.071	3.6	97	0.00
16	T	Acetone	250.000	244.929	2.0	99	0.00
17	T	Carbon Disulfide	50.000	42.191	15.6	91	-0.01
18	T	Methyl Acetate	50.000	44.902	10.2	91	0.00
19	T	Methyl tert-butyl Ether	50.000	49.289	1.4	97	0.00
20	T	Methylene Chloride	50.000	47.096	5.8	98	-0.01
21	T	trans-1,2-Dichloroethene	50.000	46.339	7.3	95	-0.01
22	T	Diisopropyl ether	50.000	49.533	0.9	97	0.00
23	T	Vinyl Acetate	250.000	250.398	-0.2	96	0.00
24	P	1,1-Dichloroethane	50.000	47.516	5.0	97	0.00
25	T	2-Butanone	250.000	241.790	3.3	102	0.00
26	T	2,2-Dichloropropane	50.000	48.449	3.1	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.758	4.5	97	0.00
28	T	Bromochloromethane	50.000	56.020	-12.0	95	0.00
29	T	Tetrahydrofuran	250.000	247.530	1.0	98	0.00
30	C	Chloroform	50.000	48.069	3.9#	98	0.00
31	T	Cyclohexane	50.000	44.014	12.0	92	0.00
32	T	1,1,1-Trichloroethane	50.000	47.362	5.3	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.583	10.8	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	47.992	4.0	91	0.00
36	T	1,1-Dichloropropene	50.000	47.960	4.1	96	0.00
37	T	Ethyl Acetate	50.000	50.445	-0.9	98	0.00
38	T	Carbon Tetrachloride	50.000	48.951	2.1	96	0.00
39	T	Methylcyclohexane	50.000	51.312	-2.6	93	0.00
40	TM	Benzene	50.000	48.319	3.4	97	0.00
41	T	Methacrylonitrile	50.000	53.631	-7.3	96	0.00
42	TM	1,2-Dichloroethane	50.000	49.594	0.8	94	0.00
43	T	Isopropyl Acetate	50.000	46.323	7.4	93	0.00
44	TM	Trichloroethene	50.000	46.787	6.4	93	0.00
45	C	1,2-Dichloropropane	50.000	50.327	-0.7#	98	0.00
46	T	Dibromomethane	50.000	50.221	-0.4	99	0.00
47	T	Bromodichloromethane	50.000	49.601	0.8	96	0.00
48	T	Methyl methacrylate	50.000	53.047	-6.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	1072.921	-7.3	100	0.00
50	S	Toluene-d8	50.000	47.545	4.9	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.740	-5.9	98	0.00
52	CM	Toluene	50.000	51.353	-2.7#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	47.438	5.1	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.152	1.7	94	0.00
55	T	1,1,2-Trichloroethane	50.000	49.815	0.4	97	0.00
56	T	Ethyl methacrylate	50.000	54.790	-9.6	94	0.00
57	T	1,3-Dichloropropane	50.000	50.388	-0.8	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	293.256	-17.3	97	0.00
59	T	2-Hexanone	250.000	267.380	-7.0	98	0.00
60	T	Dibromochloromethane	50.000	52.956	-5.9	98	0.00
61	T	1,2-Dibromoethane	50.000	49.699	0.6	97	0.00
62	S	4-Bromofluorobenzene	50.000	48.418	3.2	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	49.207	1.6	102	0.00
65	PM	Chlorobenzene	50.000	46.410	7.2	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.299	3.4	97	0.00
67	C	Ethyl Benzene	50.000	49.531	0.9#	95	0.00
68	T	m/p-Xylenes	100.000	101.948	-1.9	96	0.00
69	T	o-Xylene	50.000	51.466	-2.9	96	0.00
70	T	Styrene	50.000	51.179	-2.4	95	0.00
71	P	Bromoform	50.000	50.263	-0.5	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73	T	Isopropylbenzene	50.000	49.514	1.0	96	0.00
74	T	N-amyl acetate	50.000	48.799	2.4	94	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.136	7.7	99	0.00
76	T	1,2,3-Trichloropropane	50.000	44.254	11.5	98	0.00
77	T	Bromobenzene	50.000	46.399	7.2	98	0.00
78	T	n-propylbenzene	50.000	49.493	1.0	95	0.00
79	T	2-Chlorotoluene	50.000	48.213	3.6	97	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.871	-1.7	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.512	9.0	94	0.00
82	T	4-Chlorotoluene	50.000	46.096	7.8	94	0.00
83	T	tert-Butylbenzene	50.000	51.939	-3.9	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.171	-2.3	96	0.00
85	T	sec-Butylbenzene	50.000	49.984	0.0	95	0.00
86	T	p-Isopropyltoluene	50.000	52.012	-4.0	94	0.00
87	T	1,3-Dichlorobenzene	50.000	43.977	12.0	96	0.00
88	T	1,4-Dichlorobenzene	50.000	48.021	4.0	95	0.00
89	T	n-Butylbenzene	50.000	46.517	7.0	91	0.00
90	T	Hexachloroethane	50.000	45.835	8.3	95	0.00
91	T	1,2-Dichlorobenzene	50.000	45.845	8.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.085	11.8	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	41.167	17.7	91	0.00
94	T	Hexachlorobutadiene	50.000	40.091	19.8	91	0.00
95	T	Naphthalene	50.000	44.063	11.9	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	41.757	16.5	92	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.: P4665 SAS No.: P4665 SDG No.: P4665

Instrument ID: MSVOA_N Calibration Date/Time: 11/01/2024 17:07

Lab File ID: VN084643.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	0.561	0.1	-41.07	50
Vinyl Chloride	0.618	0.546		-11.65	50
Bromomethane	0.328	0.284		-13.41	50
Chloroethane	0.488	0.367		-24.8	50
Trichlorofluoromethane	1.018	0.913		-10.31	50
1,1,2-Trichlorotrifluoroethane	0.575	0.529		-8	50
1,1-Dichloroethene	0.569	0.500		-12.13	50
Acetone	0.238	0.247		3.78	50
Carbon Disulfide	1.753	1.430		-18.43	50
Methyl tert-butyl Ether	1.745	1.731		-0.8	50
Methylene Chloride	0.635	0.579		-8.82	50
trans-1,2-Dichloroethene	0.585	0.534		-8.72	50
1,1-Dichloroethane	1.102	1.038	0.1	-5.81	50
2-Butanone	0.337	0.364		8.01	50
Carbon Tetrachloride	0.525	0.494		-5.91	50
cis-1,2-Dichloroethene	0.683	0.637		-6.74	50
Chloroform	1.121	1.072		-4.37	50
1,1,1-Trichloroethane	1.021	0.952		-6.76	50
Methylcyclohexane	0.478	0.469		-1.88	50
Benzene	1.507	1.406		-6.7	50
1,2-Dichloroethane	0.488	0.463		-5.12	50
Trichloroethene	0.348	0.312		-10.35	50
1,2-Dichloropropane	0.354	0.338		-4.52	50
Bromodichloromethane	0.526	0.504		-4.18	50
4-Methyl-2-Pentanone	0.406	0.443		9.11	50
Toluene	0.882	0.867		-1.7	50
t-1,3-Dichloropropene	0.544	0.504		-7.35	50
cis-1,3-Dichloropropene	0.576	0.541		-6.08	50
1,1,2-Trichloroethane	0.332	0.328		-1.21	50
2-Hexanone	0.296	0.332		12.16	50
Dibromochloromethane	0.378	0.383		1.32	50
Tetrachloroethene	0.333	0.300		-9.91	50
Chlorobenzene	1.119	0.998	0.3	-10.81	50
Ethyl Benzene	1.867	1.760		-5.73	50
m/p-Xylenes	0.707	0.681		-3.68	50
o-Xylene	0.661	0.650		-1.66	50
Styrene	1.154	1.140		-1.21	50
Bromoform	0.293	0.285	0.1	-2.73	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.: P4665 SAS No.: P4665 SDG No.: P4665

Instrument ID: MSVOA_N Calibration Date/Time: 11/01/2024 17:07

Lab File ID: VN084643.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	3.160		-9.82	50
1,1,2,2-Tetrachloroethane	1.170	1.019	0.3	-12.91	50
1,3-Dichlorobenzene	1.838	1.473		-19.86	50
1,4-Dichlorobenzene	1.937	1.473		-23.95	50
1,2-Dichlorobenzene	1.766	1.464		-17.1	50
1,2-Dichloroethane-d4	0.722	0.639		-11.5	50
Dibromofluoromethane	0.338	0.309		-8.58	50
Toluene-d8	1.247	1.142		-8.42	50
4-Bromofluorobenzene	0.466	0.447		-4.08	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\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:30:30 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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	186183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118895	44.214	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.420%		
35) Dibromofluoromethane	8.165	113	96716	45.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.260%		
50) Toluene-d8	10.565	98	357498	45.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.580%		
62) 4-Bromofluorobenzene	12.847	95	140014	47.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	95657	44.693	ug/l	93
3) Chloromethane	2.359	50	104495	41.162	ug/l	99
4) Vinyl Chloride	2.512	62	101746	44.198	ug/l	100
5) Bromomethane	2.900	94	52808	43.296	ug/l	98
6) Chloroethane	3.065	64	68310	47.878	ug/l	97
7) Trichlorofluoromethane	3.465	101	170051	44.844	ug/l	98
8) Diethyl Ether	3.953	74	61010	45.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	98564	45.999	ug/l	99
10) Methyl Iodide	4.571	142	131479	45.911	ug/l	98
11) Tert butyl alcohol	5.542	59	81227	228.837	ug/l	99
12) 1,1-Dichloroethene	4.318	96	93026	43.875	ug/l	98
13) Acrolein	4.177	56	98304	277.733	ug/l	98
14) Allyl chloride	5.006	41	162243	47.184	ug/l	92
15) Acrylonitrile	5.718	53	258166	251.237	ug/l	98
16) Acetone	4.424	43	229540	296.026	ug/l	98
17) Carbon Disulfide	4.700	76	266246	40.777	ug/l	98
18) Methyl Acetate	5.024	43	129461	45.245	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	322267	49.590	ug/l	97
20) Methylene Chloride	5.265	84	107863	45.606	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	99460	45.684	ug/l	99
22) Diisopropyl ether	6.665	45	334111	48.902	ug/l	99
23) Vinyl Acetate	6.600	43	1203577	255.447	ug/l	97
24) 1,1-Dichloroethane	6.565	63	193202	47.100	ug/l	98
25) 2-Butanone	7.483	43	338602	269.898	ug/l	98
26) 2,2-Dichloropropane	7.483	77	167290	46.857	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	118651	46.674	ug/l	98
28) Bromochloromethane	7.812	49	98947	60.545	ug/l	93
29) Tetrahydrofuran	7.841	42	217423	261.234	ug/l	98
30) Chloroform	7.959	83	199633	47.816	ug/l	99
31) Cyclohexane	8.253	56	162246	43.702	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	177337	46.667	ug/l	97
36) 1,1-Dichloropropene	8.365	75	137852	46.898	ug/l	98
37) Ethyl Acetate	7.559	43	133895	50.206	ug/l	99
38) Carbon Tetrachloride	8.359	117	154823	47.123	ug/l	95
39) Methylcyclohexane	9.600	83	146850	49.108	ug/l	98
40) Benzene	8.606	78	440337	46.647	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:30:30 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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	76770	53.530	ug/l		99
42) 1,2-Dichloroethane	8.671	62	145115	47.467	ug/l		98
43) Isopropyl Acetate	8.688	43	236927	48.051	ug/l		98
44) Trichloroethene	9.353	130	97778	44.913	ug/l		96
45) 1,2-Dichloropropane	9.618	63	105940	47.842	ug/l		96
46) Dibromomethane	9.706	93	74499	47.678	ug/l		97
47) Bromodichloromethane	9.888	83	157714	47.883	ug/l		96
48) Methyl methacrylate	9.677	41	108363	52.208	ug/l		98
49) 1,4-Dioxane	9.700	88	41066	1116.514	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	692985	272.575	ug/l		99
52) Toluene	10.629	92	271534	49.183	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	157718	46.260	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	169499	46.972	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	102600	49.336	ug/l		96
56) Ethyl methacrylate	10.876	69	166069	55.207	ug/l		97
57) 1,3-Dichloropropane	11.165	76	173329	48.563	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	429197	304.914	ug/l		97
59) 2-Hexanone	11.194	43	519065	280.493	ug/l		98
60) Dibromochloromethane	11.359	129	119904	50.589	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102199	47.989	ug/l		99
64) Tetrachloroethene	11.100	164	86839	45.036	ug/l		98
65) Chlorobenzene	11.888	112	289307	44.610	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	103534	45.897	ug/l		98
67) Ethyl Benzene	11.965	91	510156	47.126	ug/l		99
68) m/p-Xylenes	12.070	106	394978	96.376	ug/l		99
69) o-Xylene	12.400	106	188437	49.151	ug/l		99
70) Styrene	12.412	104	330384	49.400	ug/l		98
71) Bromoform	12.576	173	82751	48.752	ug/l	#	98
73) Isopropylbenzene	12.694	105	476917	45.098	ug/l		99
74) N-amyl acetate	12.494	43	211463	46.982	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	153793	43.570	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	143924m	47.712	ug/l		
77) Bromobenzene	12.976	156	118165	41.565	ug/l		96
78) n-propylbenzene	13.035	91	561871	45.341	ug/l		99
79) 2-Chlorotoluene	13.123	91	353652	43.676	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	415331	47.386	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	55111	43.343	ug/l		99
82) 4-Chlorotoluene	13.223	91	358576	42.079	ug/l		99
83) tert-Butylbenzene	13.441	119	350343	48.297	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	423745	46.843	ug/l		99
85) sec-Butylbenzene	13.617	105	475480	46.404	ug/l		100
86) p-Isopropyltoluene	13.729	119	403030	47.960	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	222216	40.052	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	222214	43.485	ug/l		99
89) n-Butylbenzene	14.053	91	335644	42.698	ug/l		100
90) Hexachloroethane	14.329	117	76738	40.948	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	220867	41.428	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30232	42.277	ug/l		100
93) 1,2,4-Trichlorobenzene	15.394	180	107448	36.821	ug/l		99
94) Hexachlorobutadiene	15.500	225	49579	38.689	ug/l		97
95) Naphthalene	15.641	128	354038	40.533	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	106474	37.587	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:30:30 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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

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

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

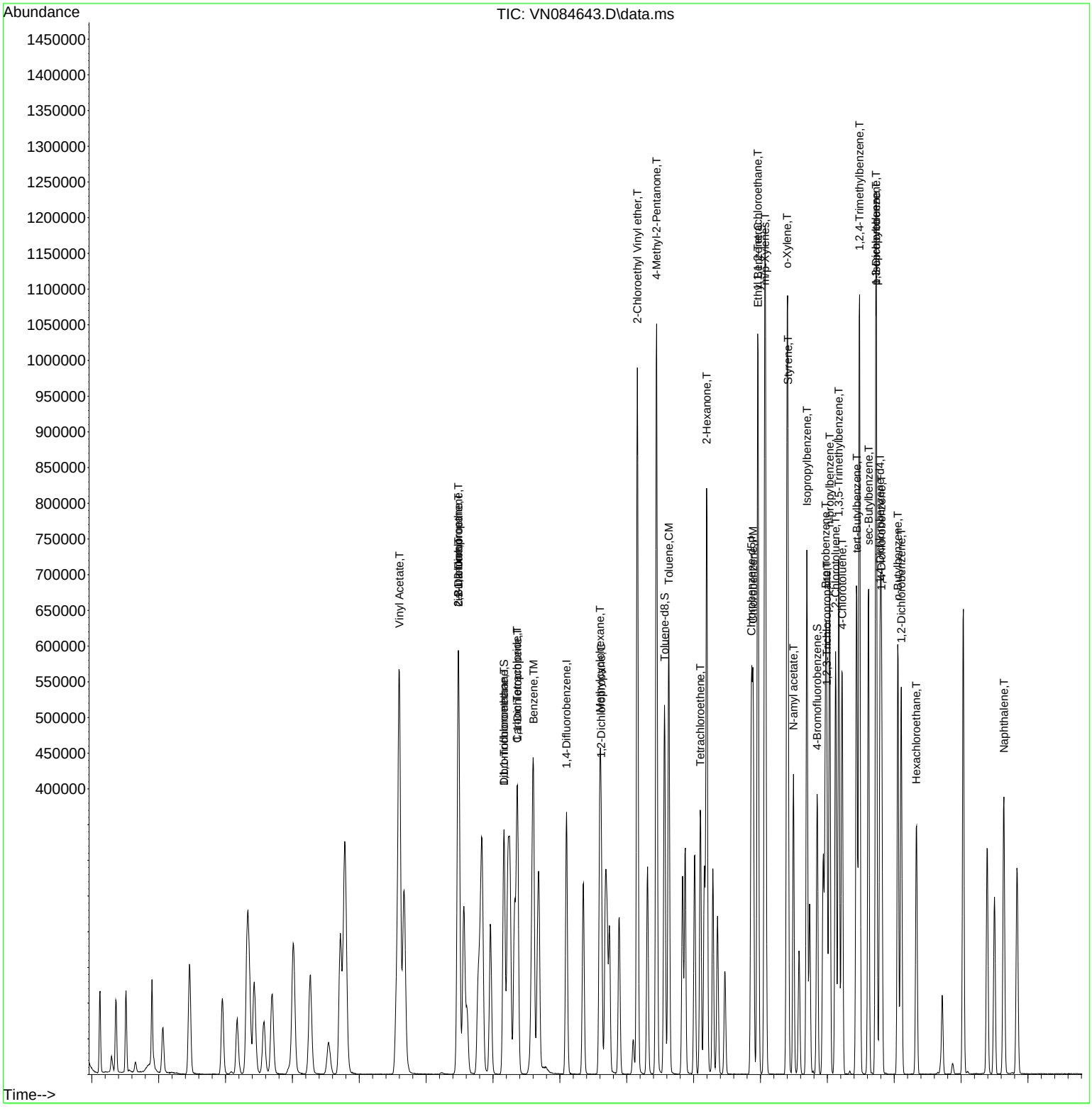
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

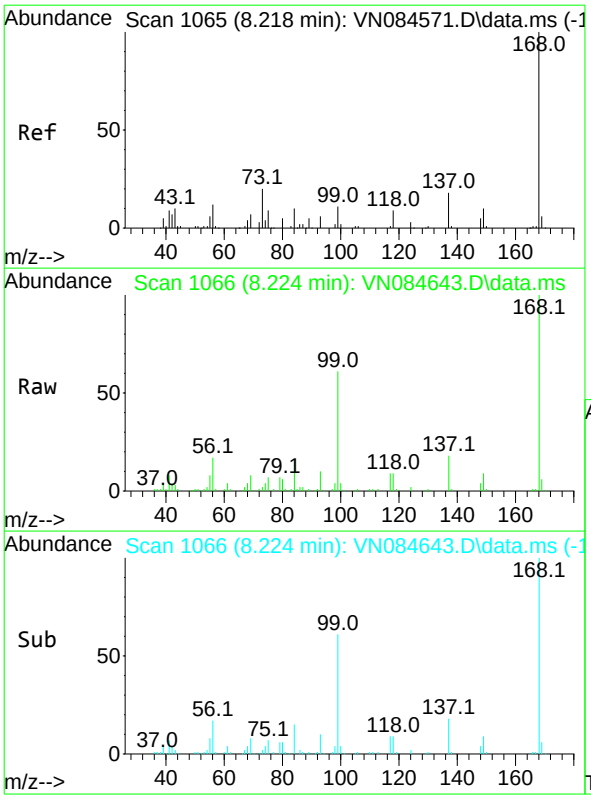
Quant Time: Nov 04 04:30:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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

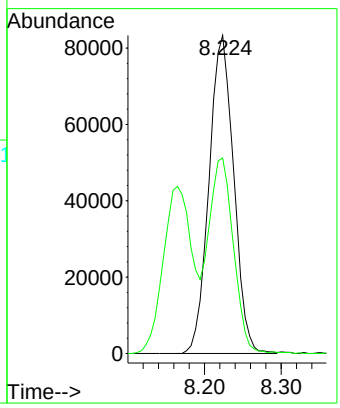




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:168 Resp: 186183

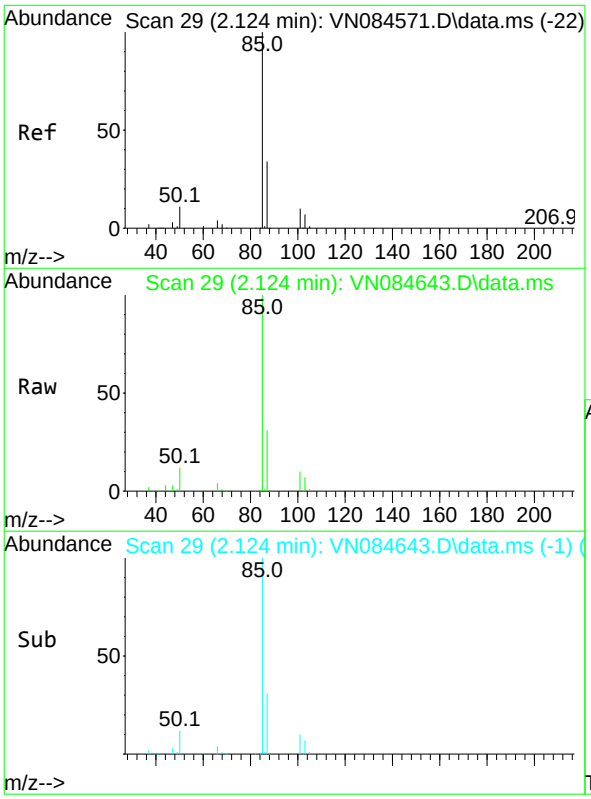
Ion	Ratio	Lower	Upper
168	100		
99	61.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

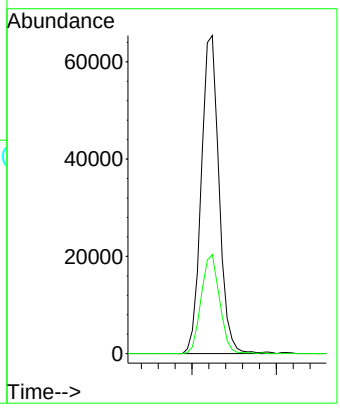
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

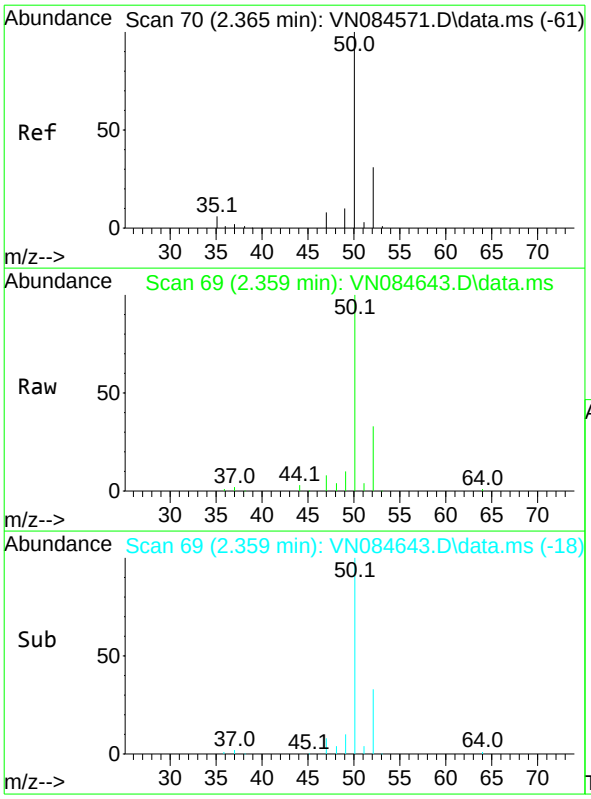


#2
Dichlorodifluoromethane
Concen: 44.693 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 85 Resp: 95657

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9

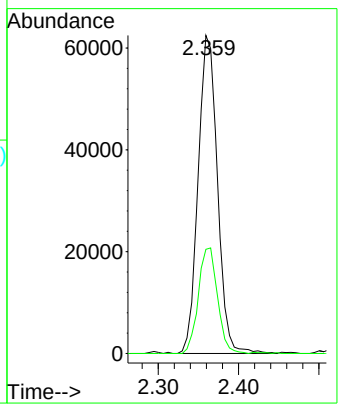




#3
Chloromethane
Concen: 41.162 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 50 Resp: 104495

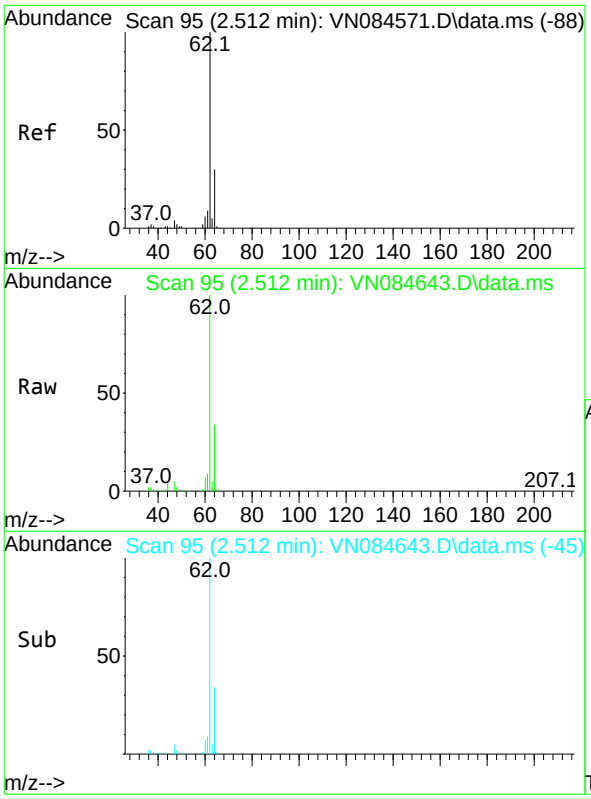
Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

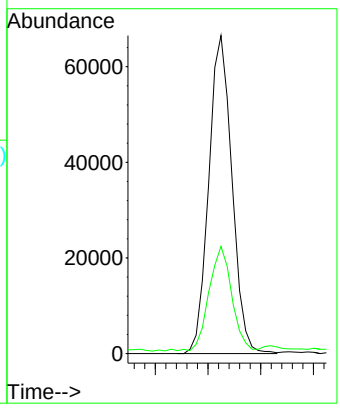
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

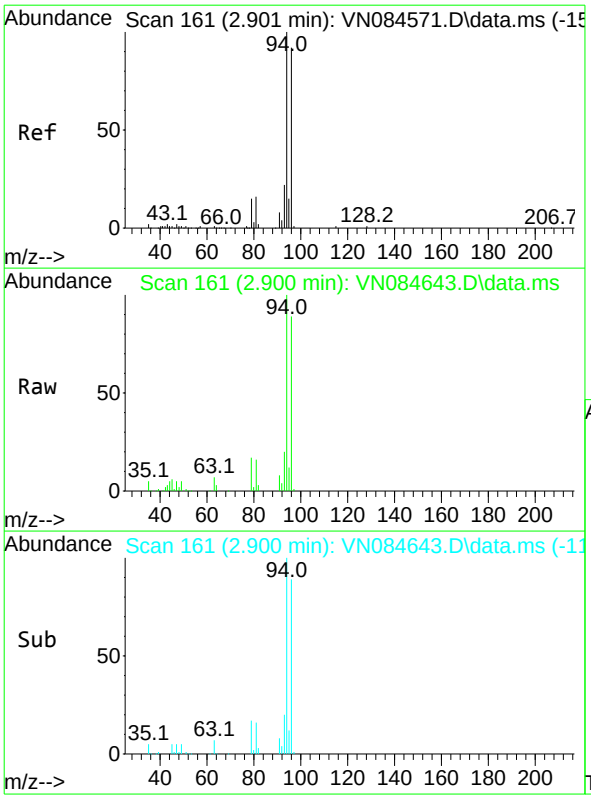


#4
Vinyl Chloride
Concen: 44.198 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 62 Resp: 101746

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4

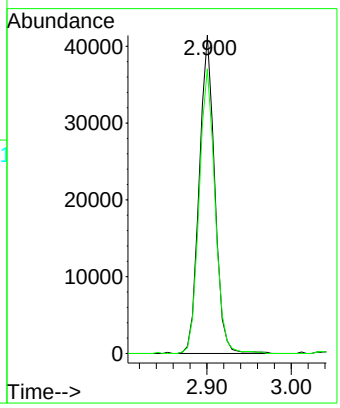




#5
Bromomethane
Concen: 43.296 ug/l
RT: 2.900 min Scan# 16
Delta R.T. -0.053 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 94 Resp: 52808

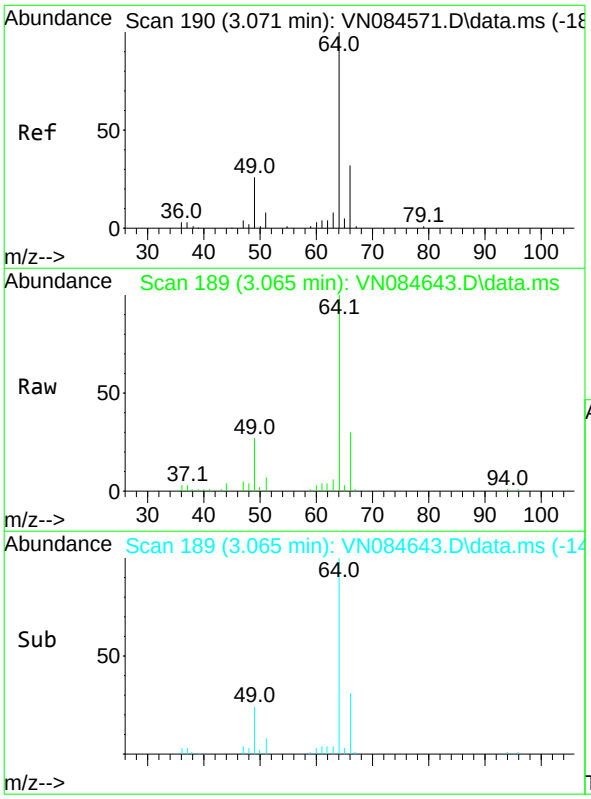
Ion	Ratio	Lower	Upper
94	100		
96	89.5	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

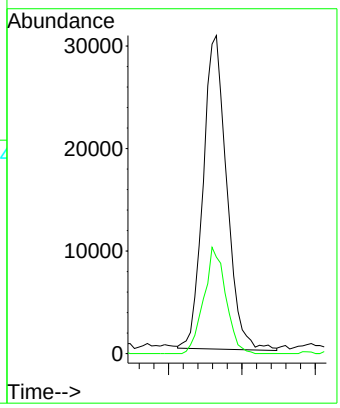
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

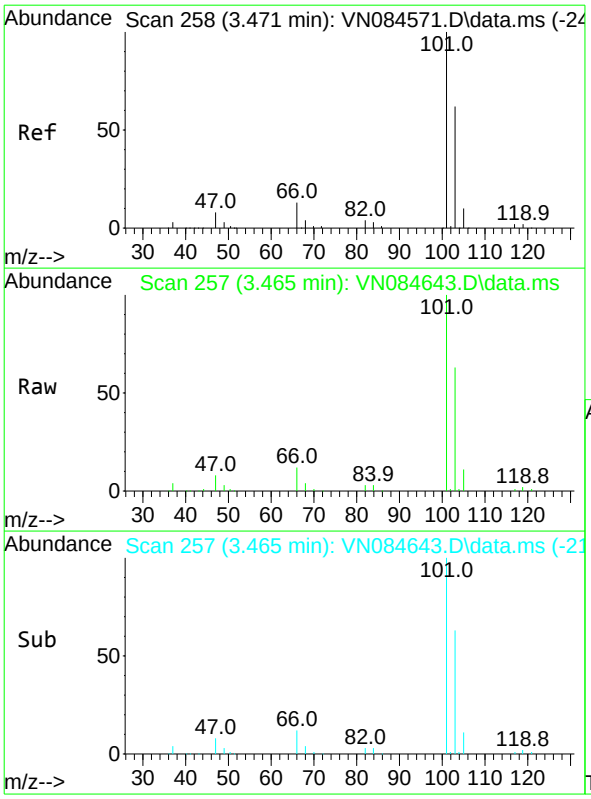


#6
Chloroethane
Concen: 47.878 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 64 Resp: 68310

Ion	Ratio	Lower	Upper
64	100		
66	30.9	23.5	35.3

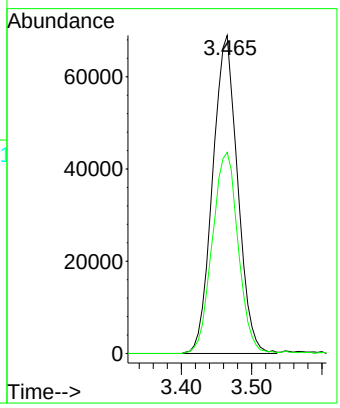




#7
Trichlorofluoromethane
Concen: 44.844 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:101 Resp: 170051

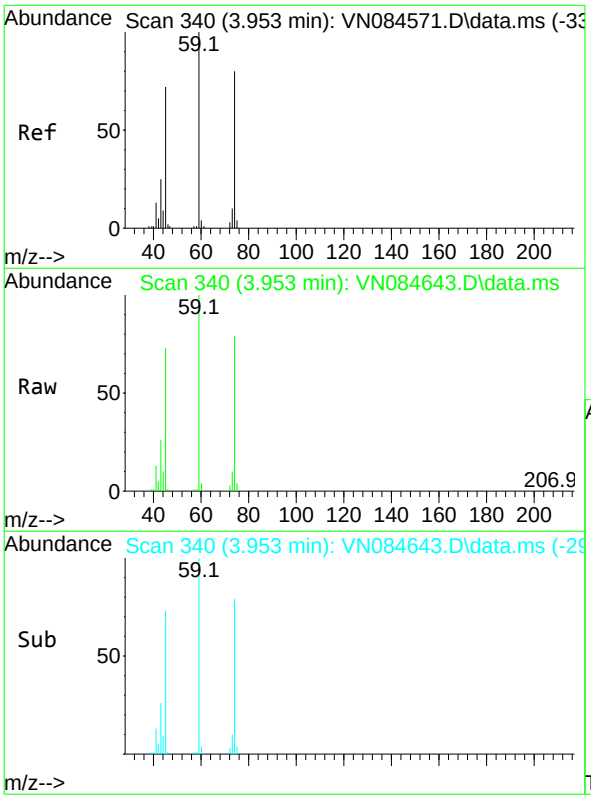
Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

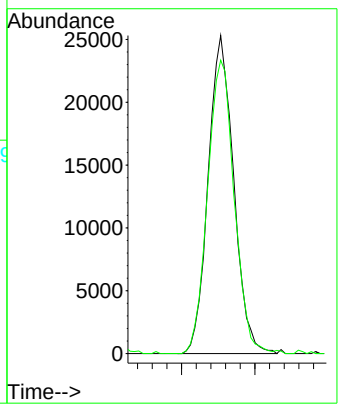
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

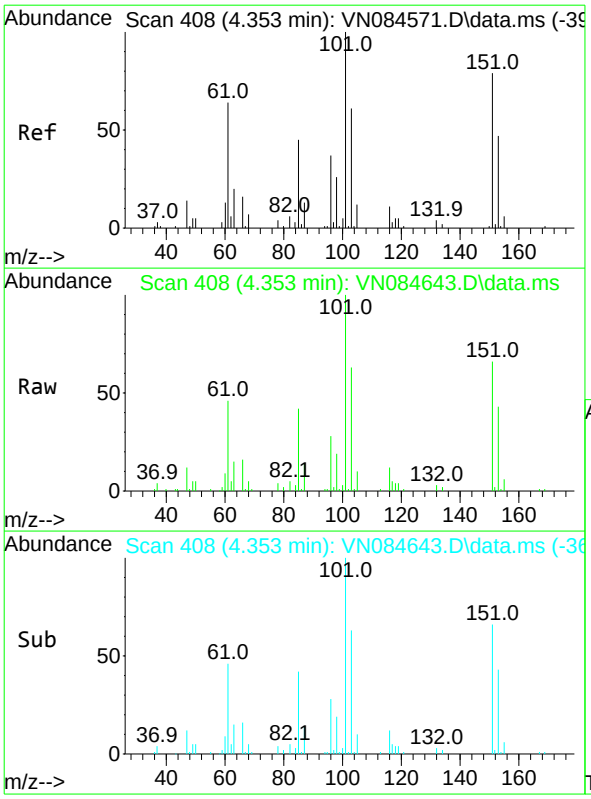


#8
Diethyl Ether
Concen: 45.608 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 74 Resp: 61010

Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.999 ug/l
RT: 4.353 min Scan# 40
Delta R.T. -0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

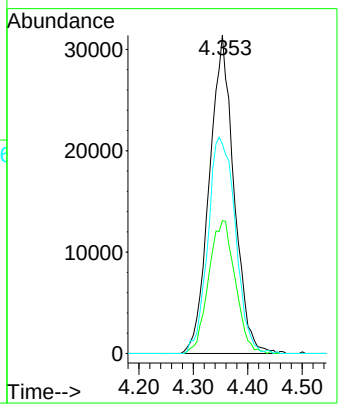
Tgt Ion:101 Resp: 98564

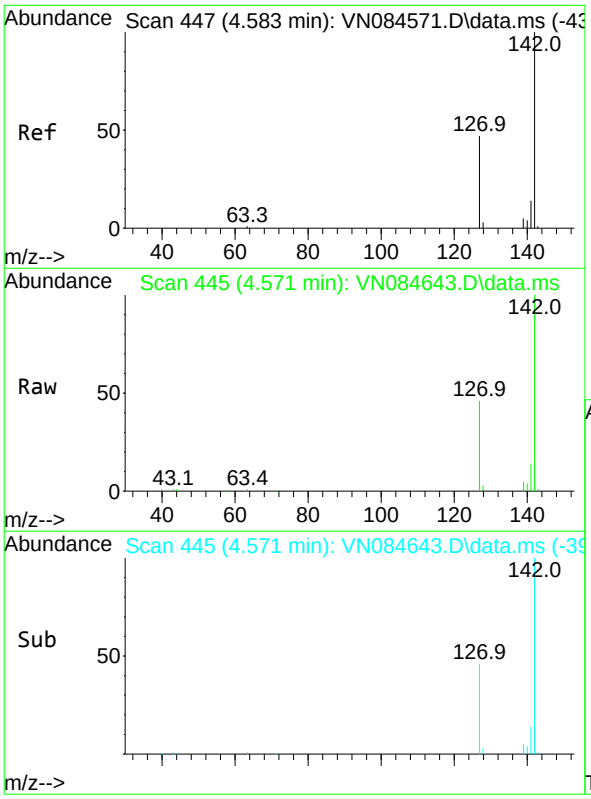
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	76.0	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

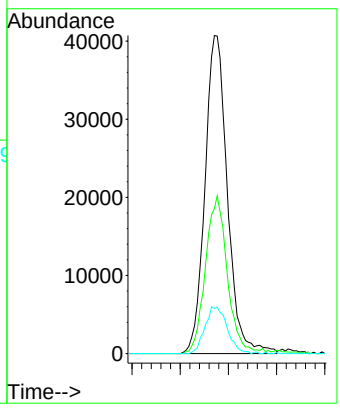


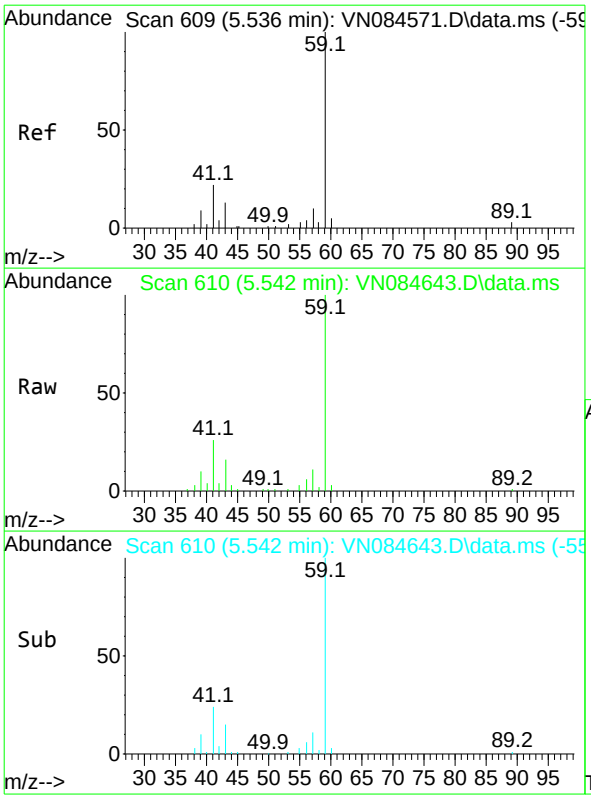


#10
Methyl Iodide
Concen: 45.911 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:142 Resp: 131479

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.3	52.9
141	14.2	11.0	16.6

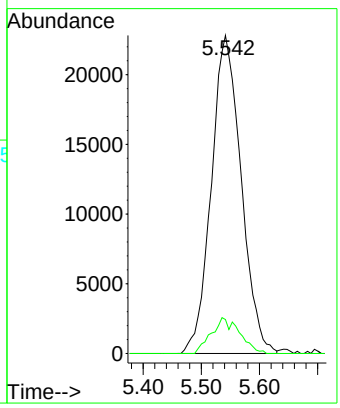




#11
Tert butyl alcohol
Concen: 228.837 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 59 Resp: 81227

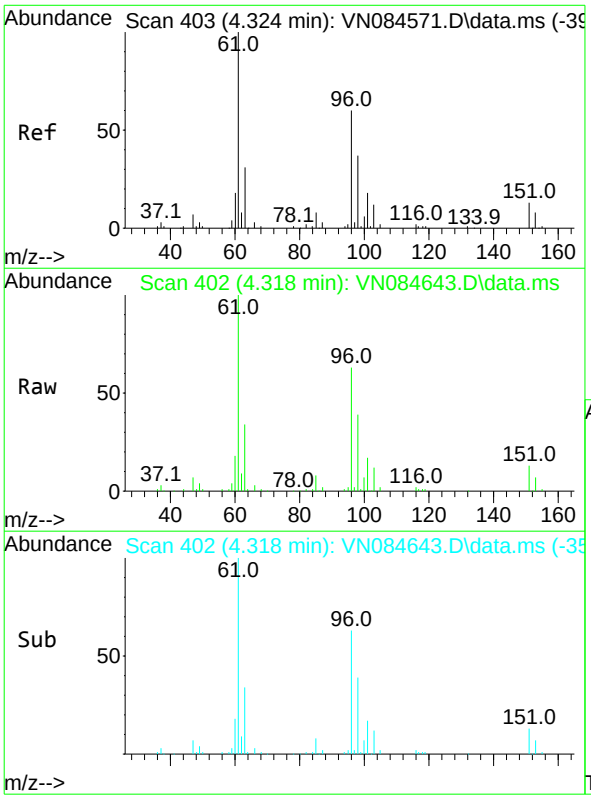
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

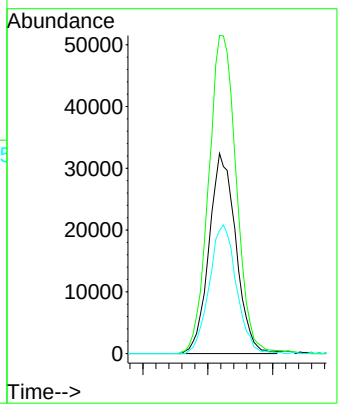
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

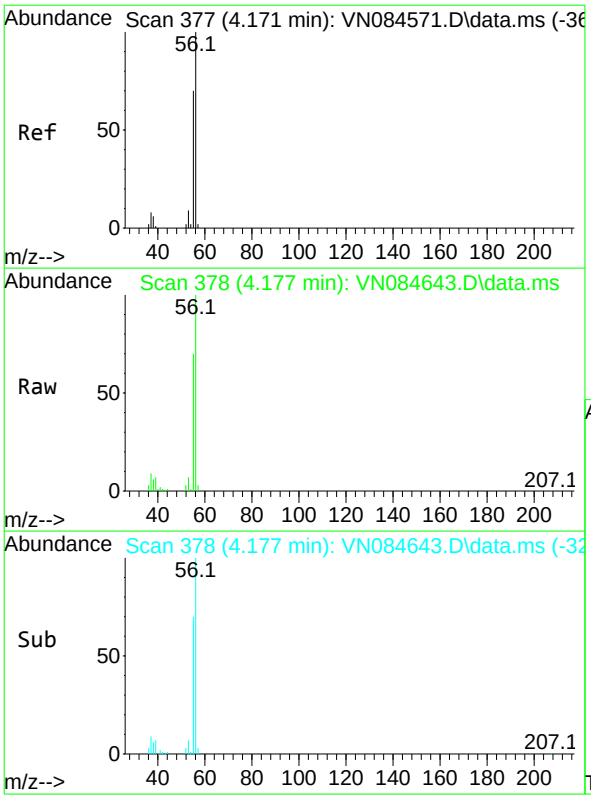


#12
1,1-Dichloroethene
Concen: 43.875 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.024 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 96 Resp: 93026

Ion	Ratio	Lower	Upper
96	100		
61	158.9	128.6	192.8
98	61.5	51.7	77.5

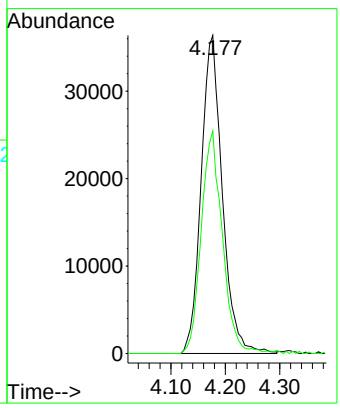




#13
Acrolein
Concen: 277.733 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 56 Resp: 98304

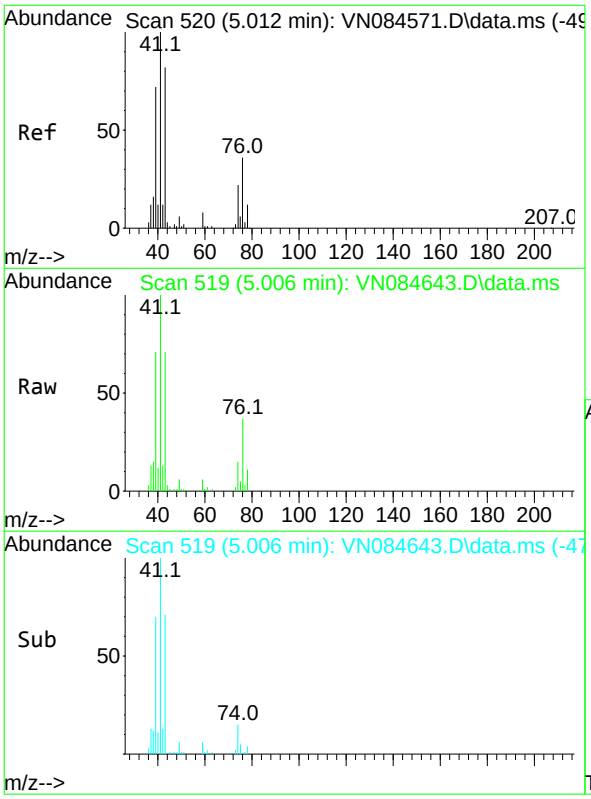
Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

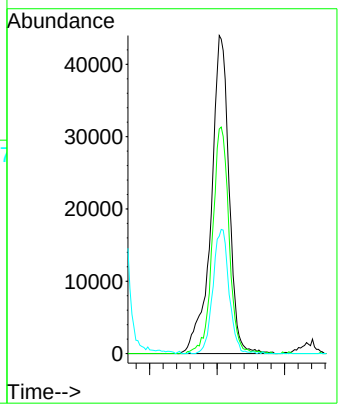
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

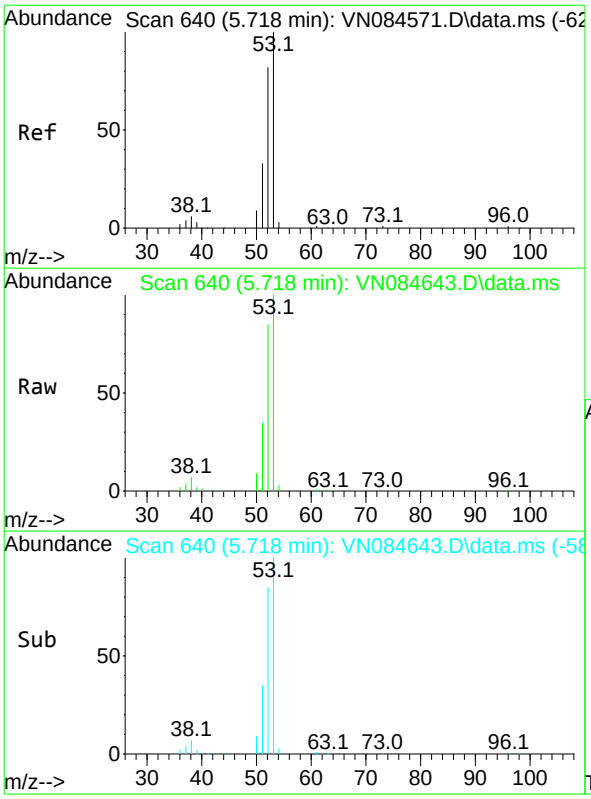


#14
Allyl chloride
Concen: 47.184 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 41 Resp: 162243

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.9	29.8	44.6

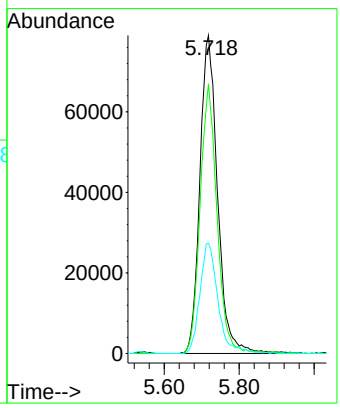




#15
Acrylonitrile
Concen: 251.237 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 53 Resp: 258166

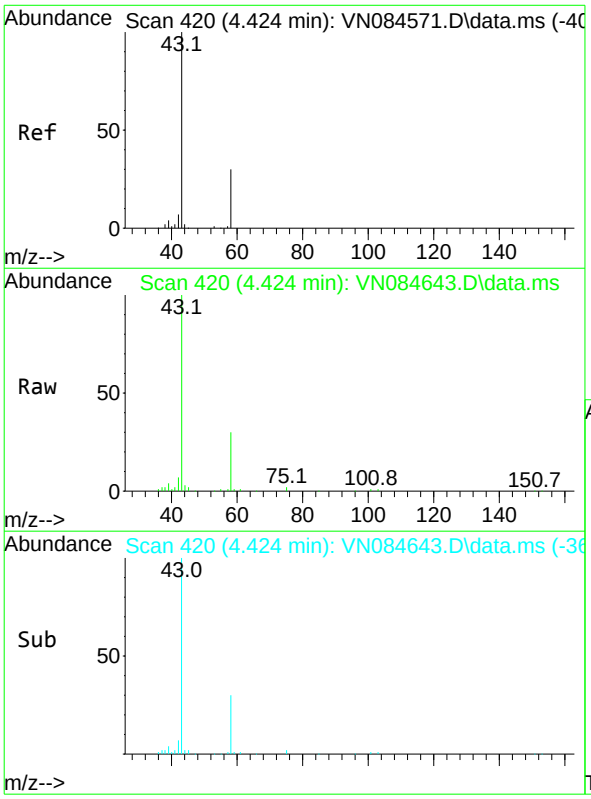
Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.2	99.4
51	35.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

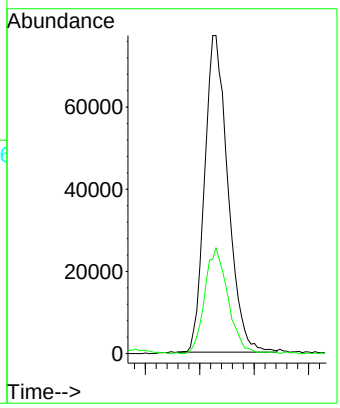
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

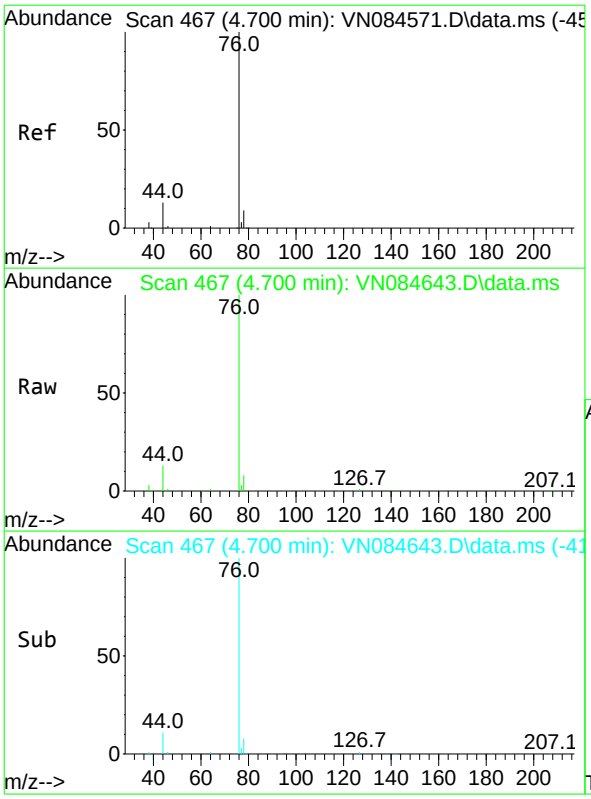


#16
Acetone
Concen: 296.026 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 229540

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6

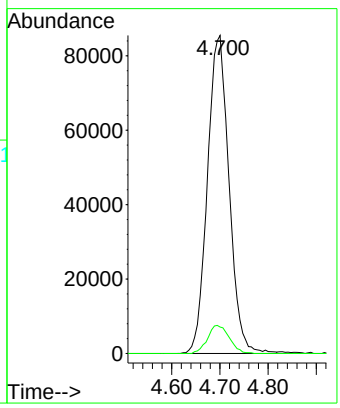




#17
Carbon Disulfide
Concen: 40.777 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 76 Resp: 266246

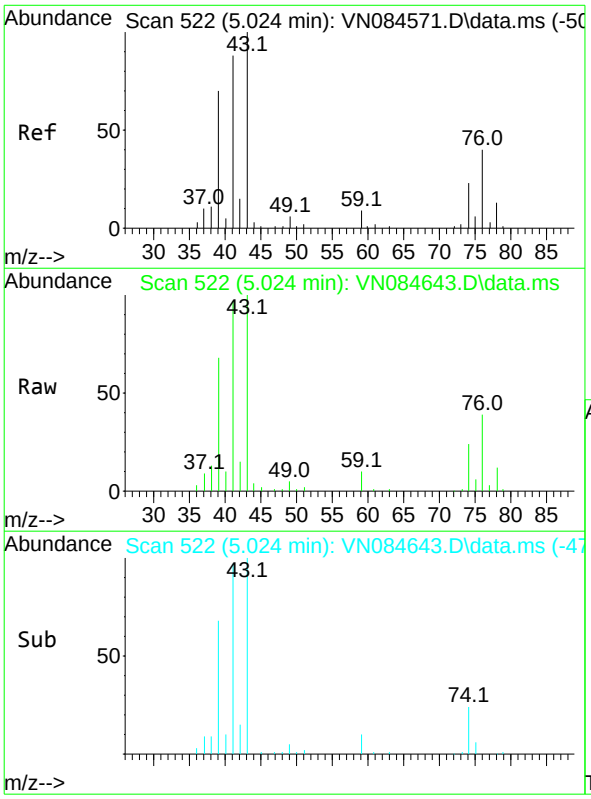
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

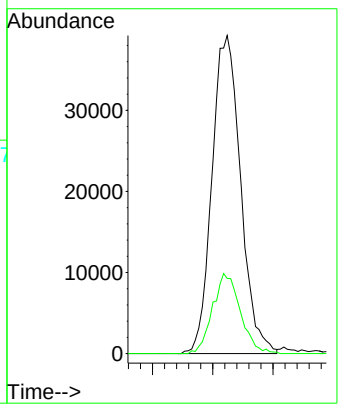
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

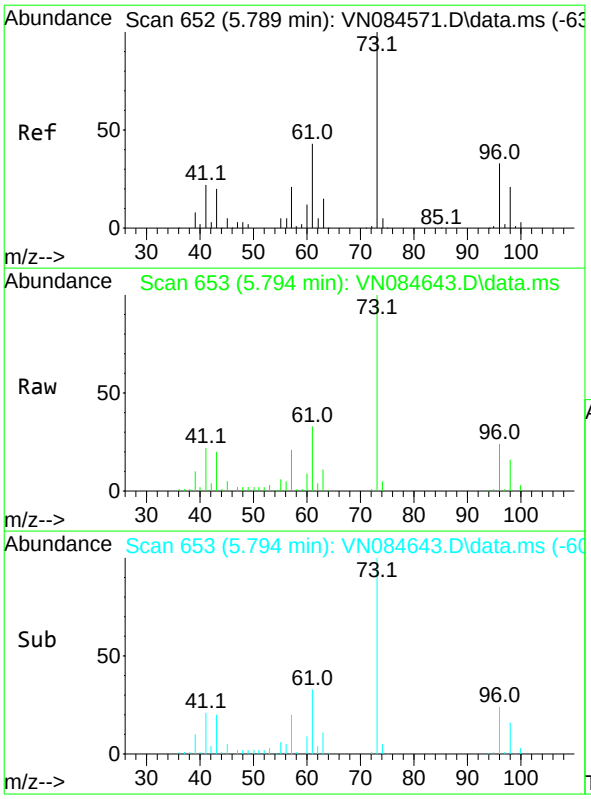


#18
Methyl Acetate
Concen: 45.245 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 129461

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8

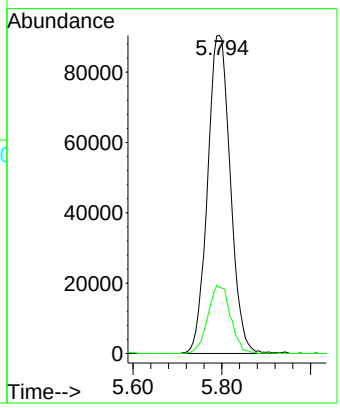




#19
Methyl tert-butyl Ether
Concen: 49.590 ug/l
RT: 5.794 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 73 Resp: 322267

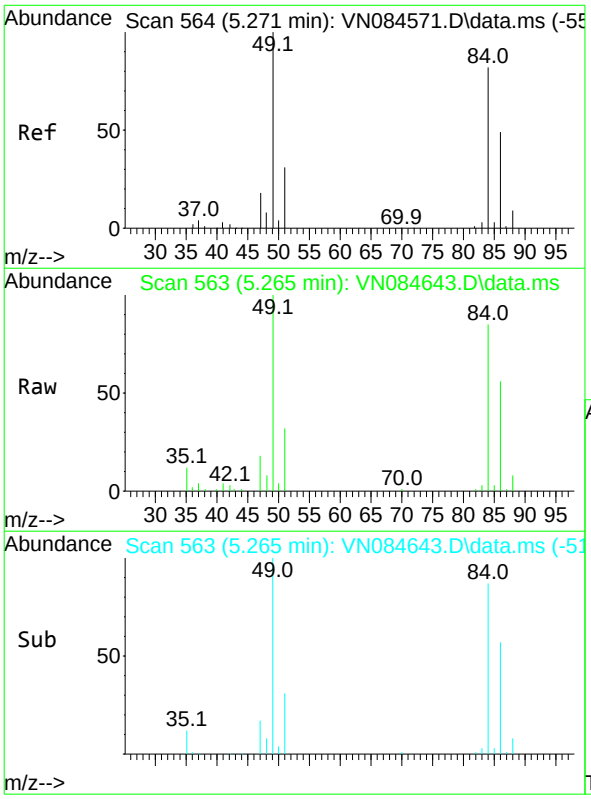
Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

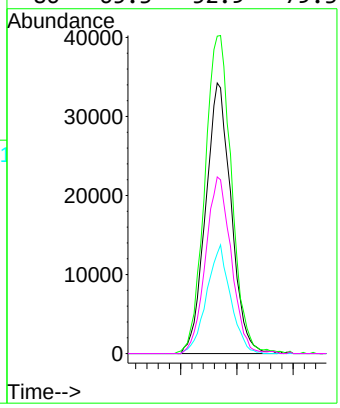
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

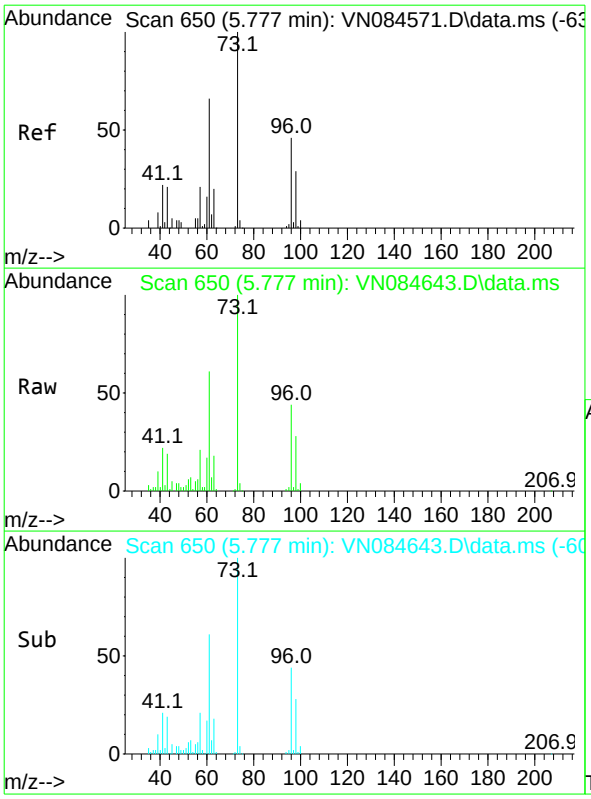


#20
Methylene Chloride
Concen: 45.606 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 84 Resp: 107863

Ion	Ratio	Lower	Upper
84	100		
49	116.7	107.2	160.8
51	37.0	31.8	47.8
86	65.3	52.9	79.3

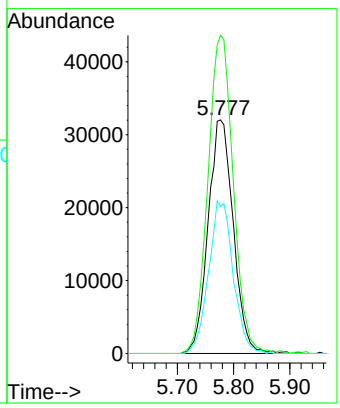




#21
trans-1,2-Dichloroethene
Concen: 45.684 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 96 Resp: 99460

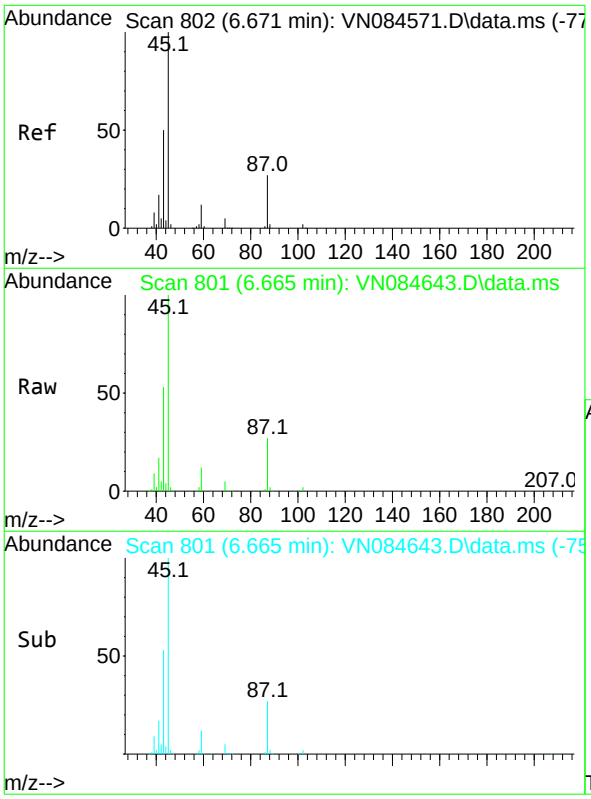
Ion	Ratio	Lower	Upper
96	100		
61	136.2	108.4	162.6
98	63.0	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

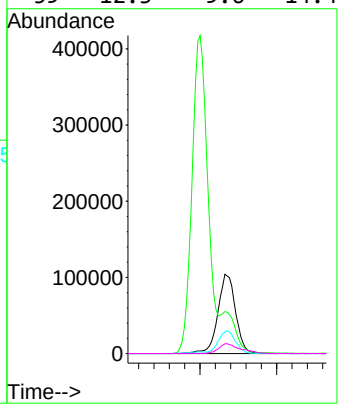
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

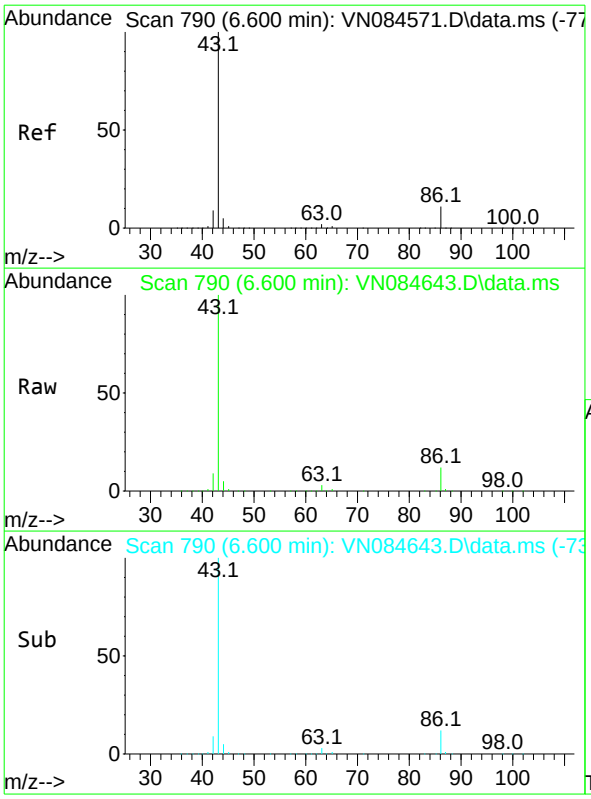


#22
Diisopropyl ether
Concen: 48.902 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 45 Resp: 334111

Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.3	63.5
87	26.9	21.8	32.6
59	12.3	9.6	14.4

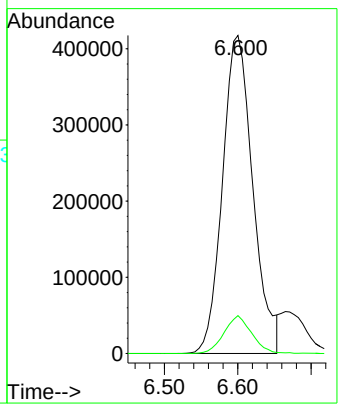




#23
Vinyl Acetate
Concen: 255.447 ug/l
RT: 6.600 min Scan# 79
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 1203577

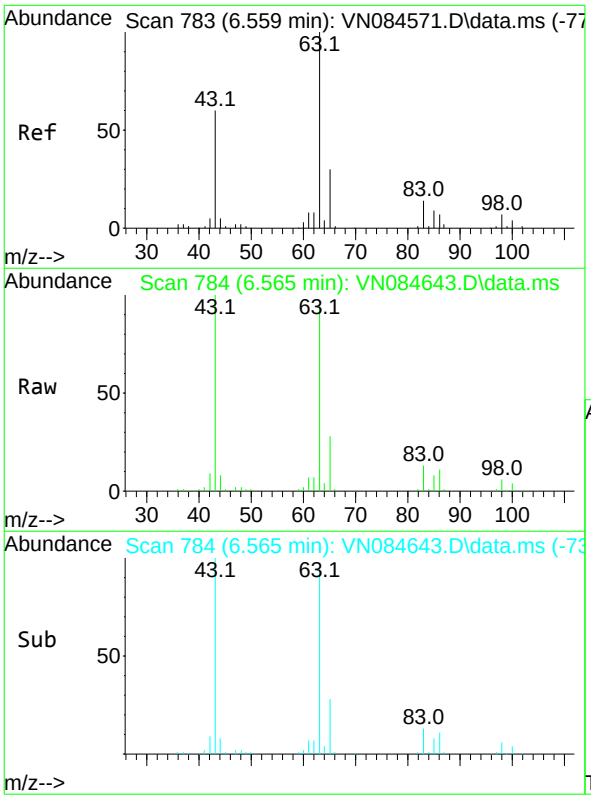
Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

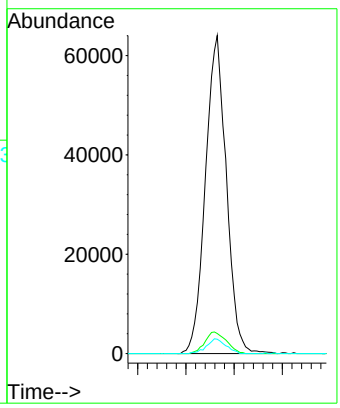
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

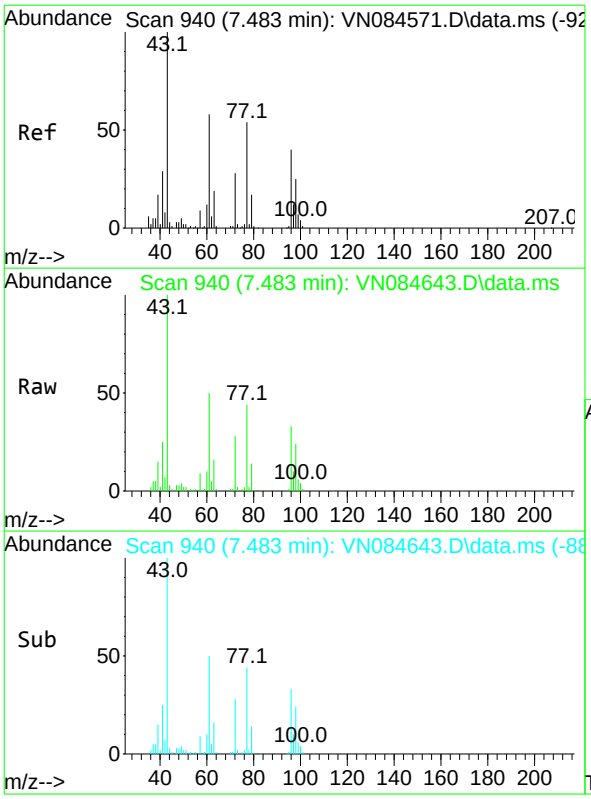


#24
1,1-Dichloroethane
Concen: 47.100 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 63 Resp: 193202

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.5	2.0	5.8

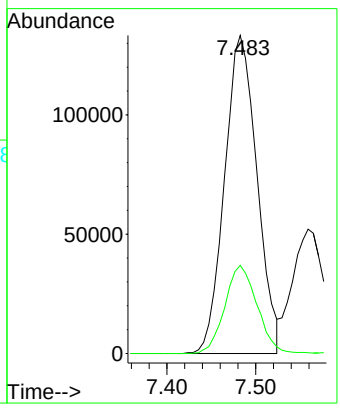




#25
2-Butanone
Concen: 269.898 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 338602

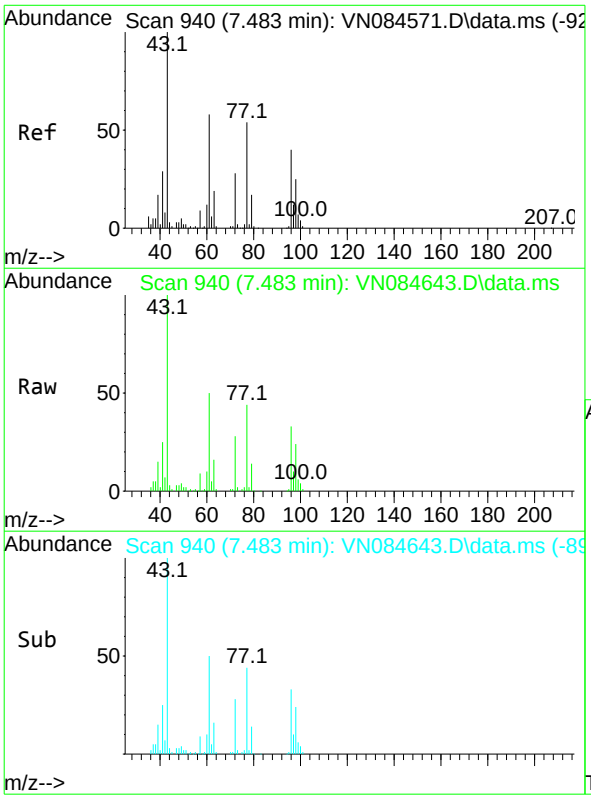
Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

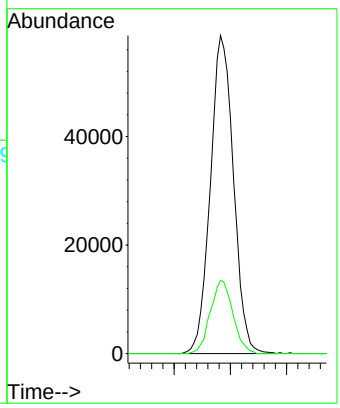
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

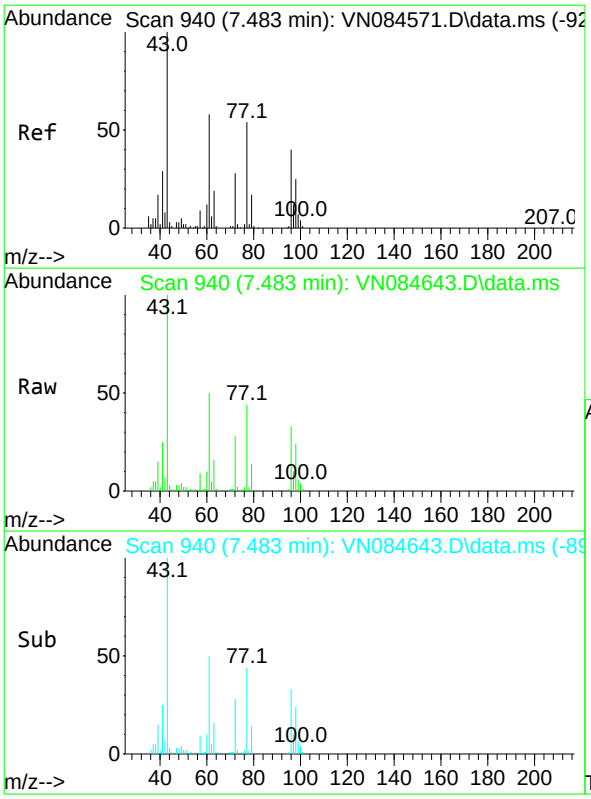


#26
2,2-Dichloropropane
Concen: 46.857 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 77 Resp: 167290

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3

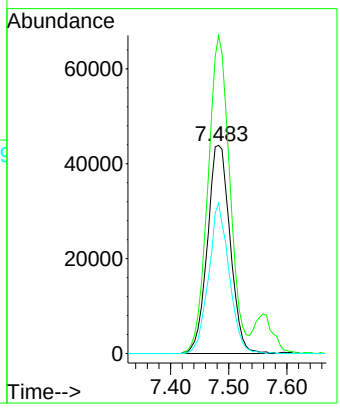




#27
cis-1,2-Dichloroethene
Concen: 46.674 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 96 Resp: 118651

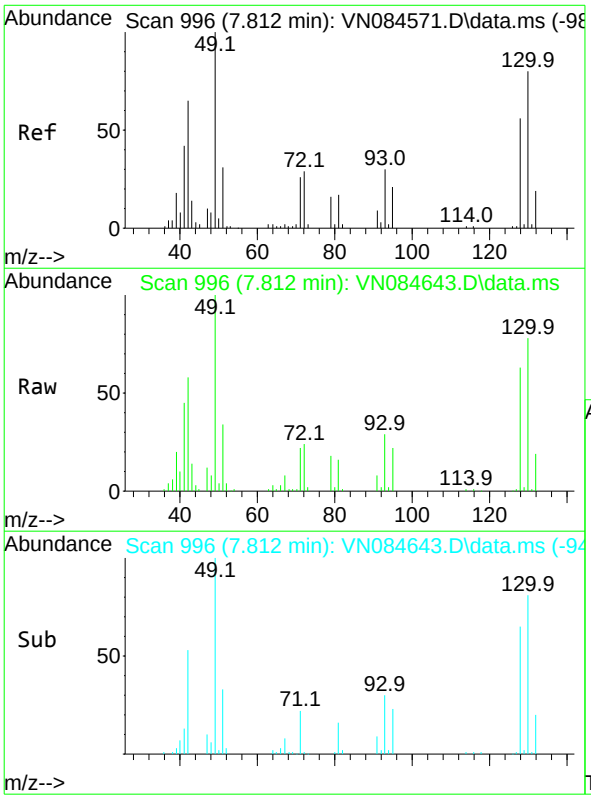
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	301.8
98	65.5	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

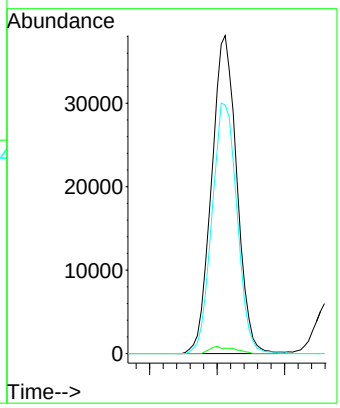
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

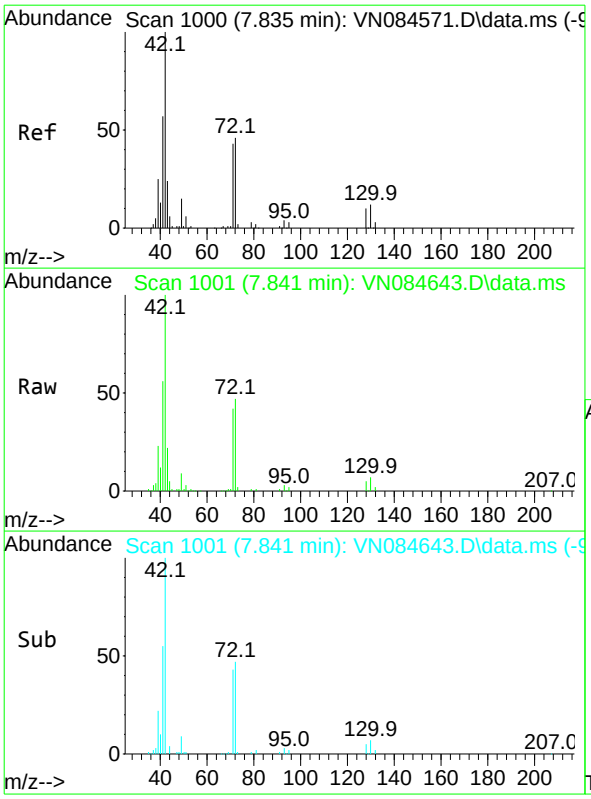


#28
Bromochloromethane
Concen: 60.545 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 49 Resp: 98947

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	78.3	58.0	87.0

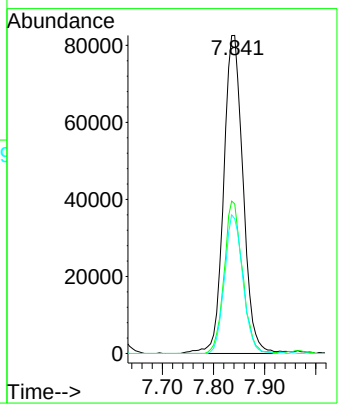




#29
Tetrahydrofuran
Concen: 261.234 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 42 Resp: 217423

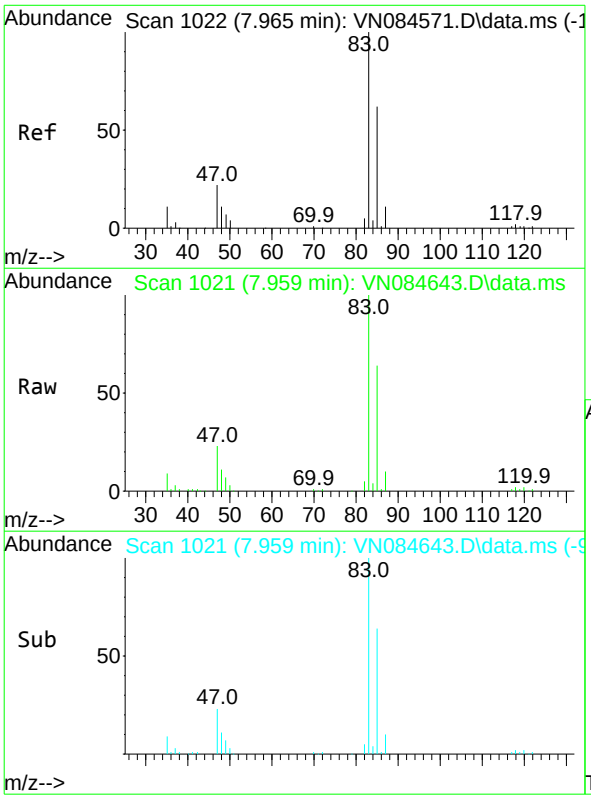
Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.6	51.8
71	41.2	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

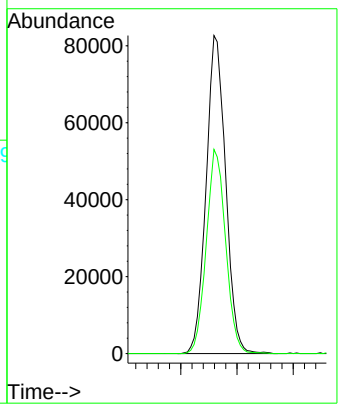
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

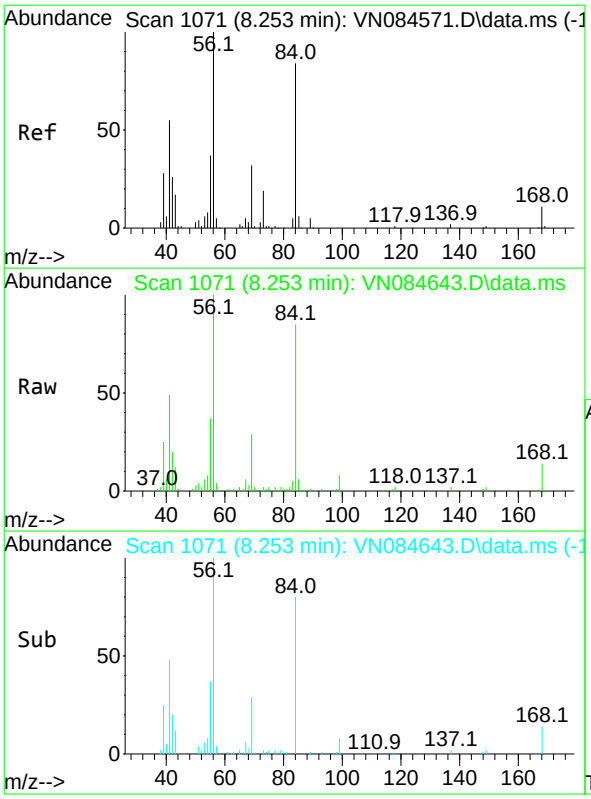


#30
Chloroform
Concen: 47.816 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 83 Resp: 199633

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4

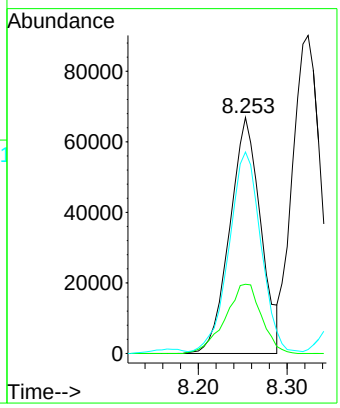




#31
Cyclohexane
Concen: 43.702 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 56 Resp: 162246

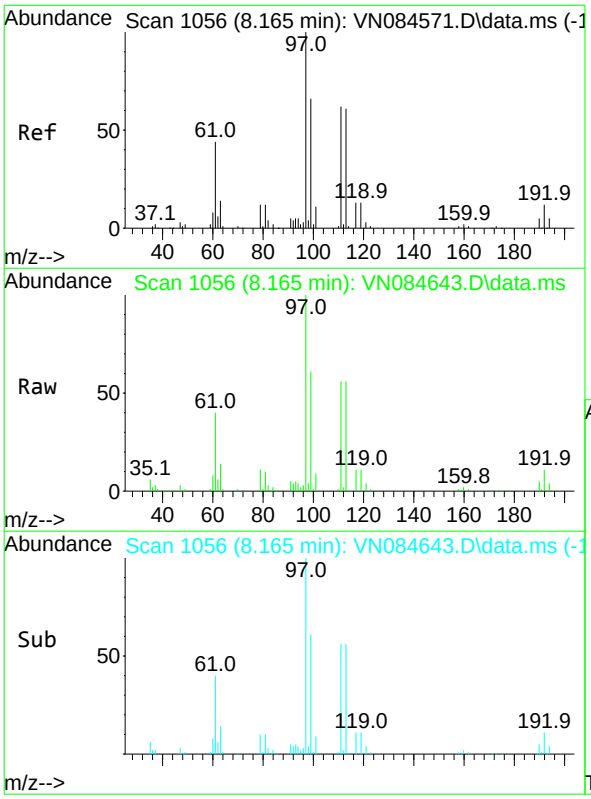
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	83.6	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

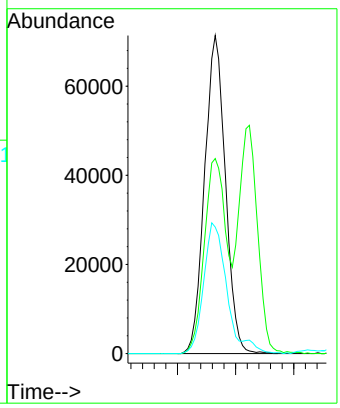
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

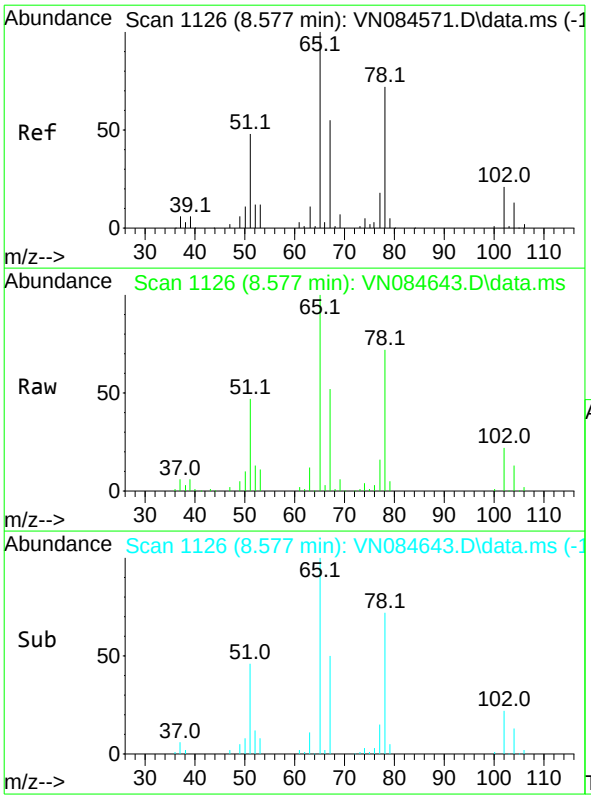


#32
1,1,1-Trichloroethane
Concen: 46.667 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 97 Resp: 177337

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.2	76.8
61	43.4	37.5	56.3

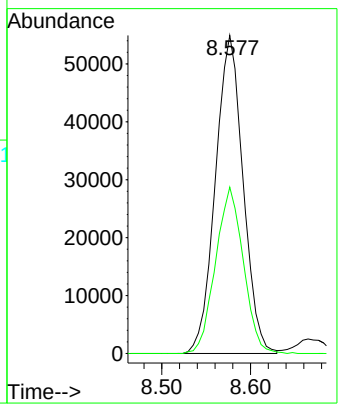




#33
1,2-Dichloroethane-d4
Concen: 44.214 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 65 Resp: 118895

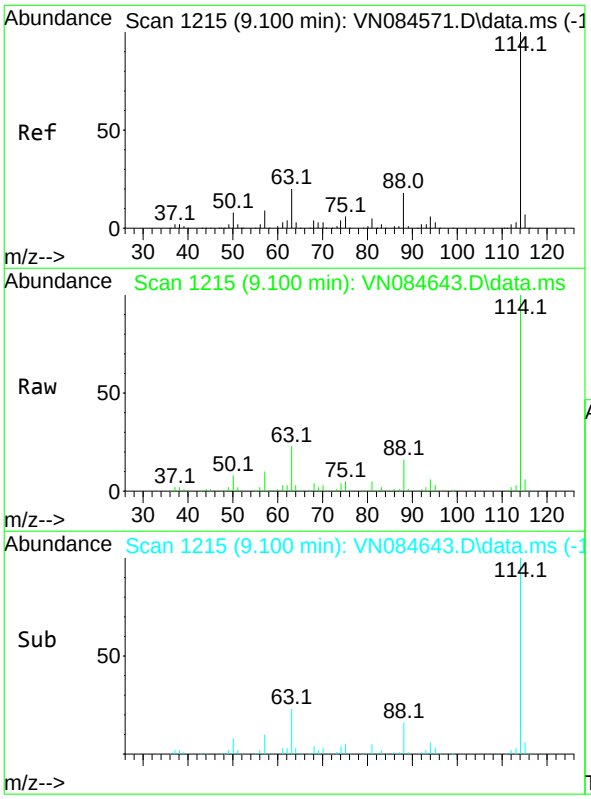
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

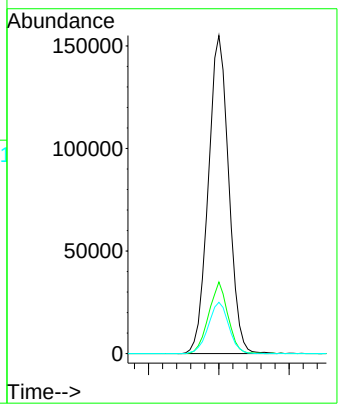
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

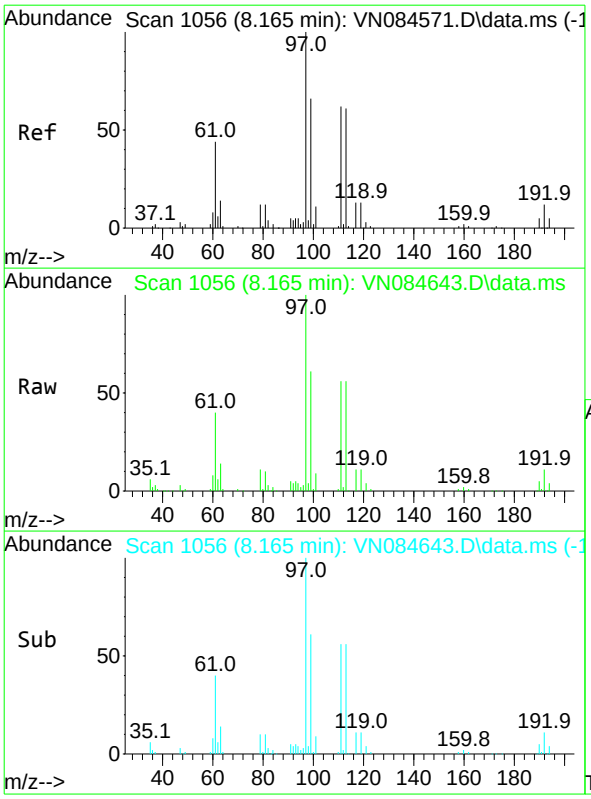


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:114 Resp: 313120

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.8
88	16.1	0.0	31.6

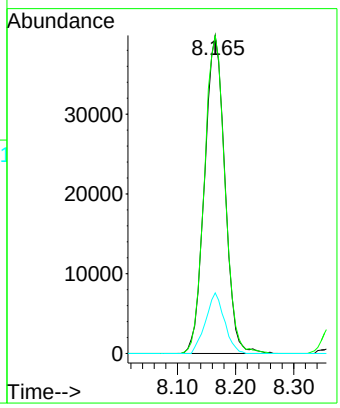




#35
Dibromofluoromethane
Concen: 45.633 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:113 Resp: 96716

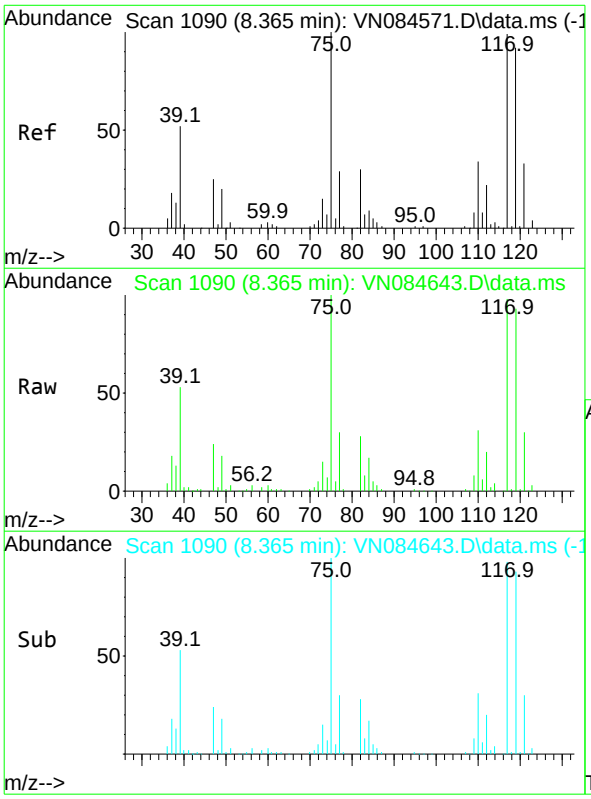
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.3	124.9
192	17.7	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

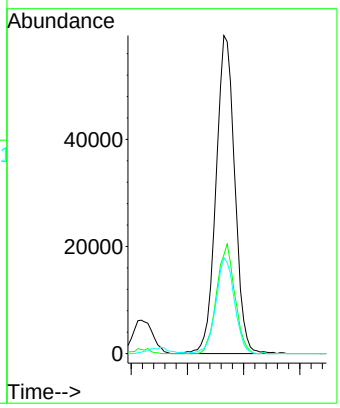
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

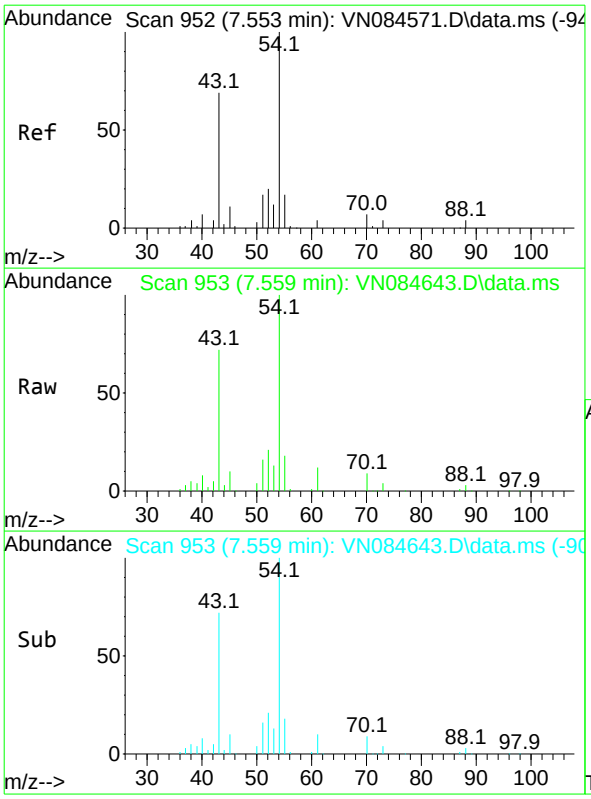


#36
1,1-Dichloropropene
Concen: 46.898 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 137852

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	29.9	24.7	37.1

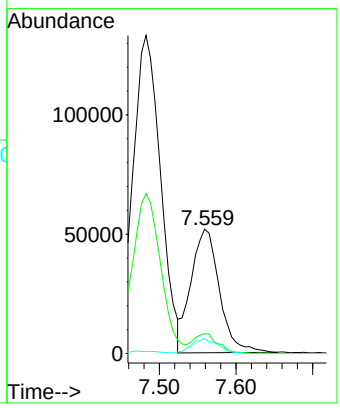




#37
Ethyl Acetate
Concen: 50.206 ug/l
RT: 7.559 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 133895

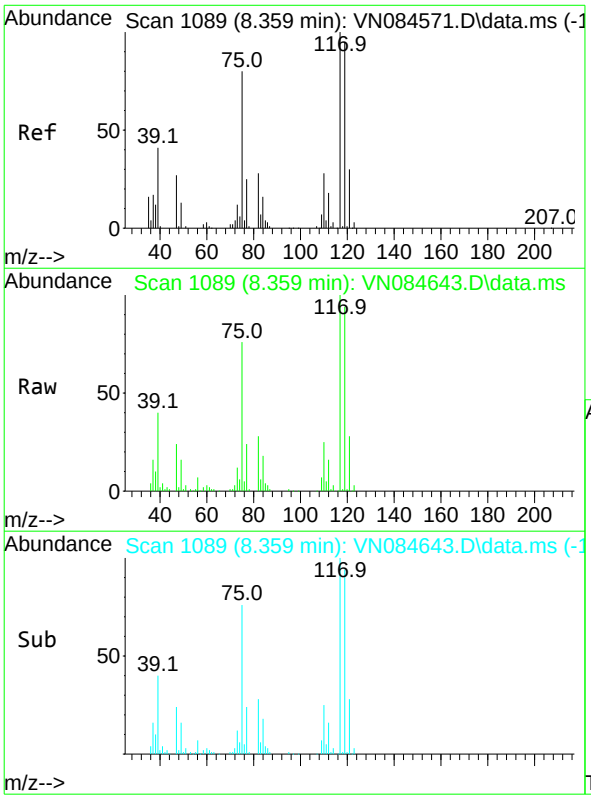
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.2	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

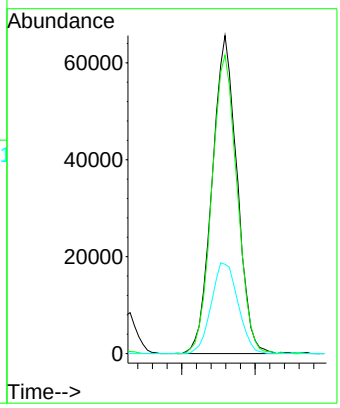
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

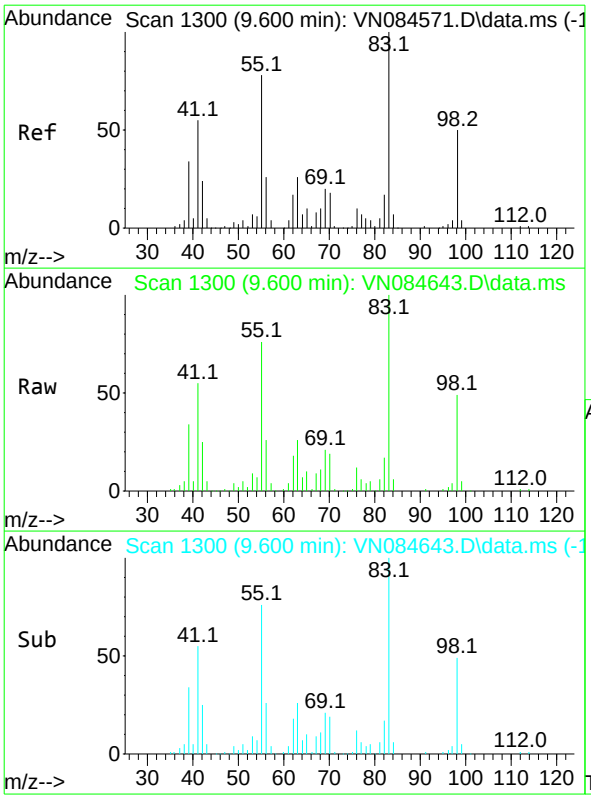


#38
Carbon Tetrachloride
Concen: 47.123 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:117 Resp: 154823

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.7	118.1
121	28.1	24.4	36.6

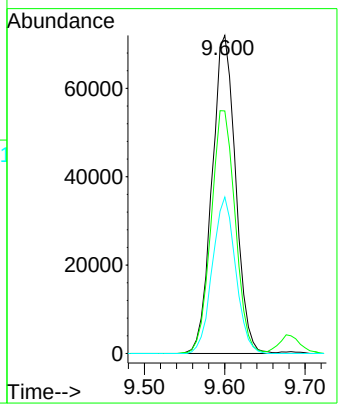




#39
Methylcyclohexane
Concen: 49.108 ug/l
RT: 9.600 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 83 Resp: 146850

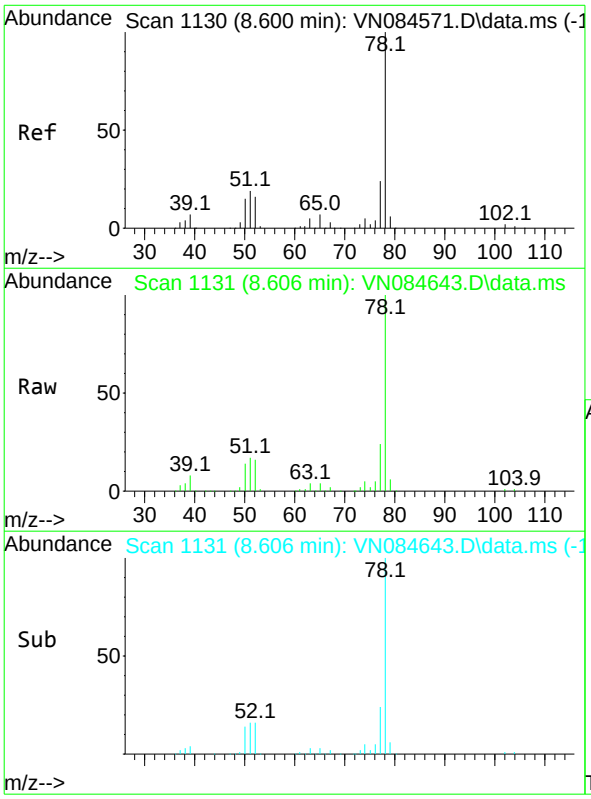
Ion	Ratio	Lower	Upper
83	100		
55	76.3	62.8	94.2
98	49.2	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

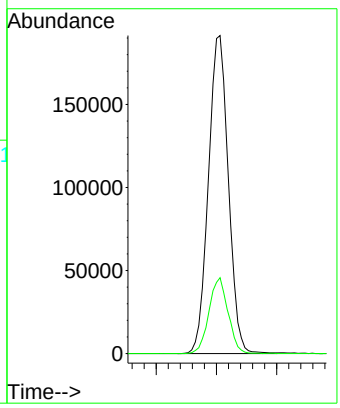
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

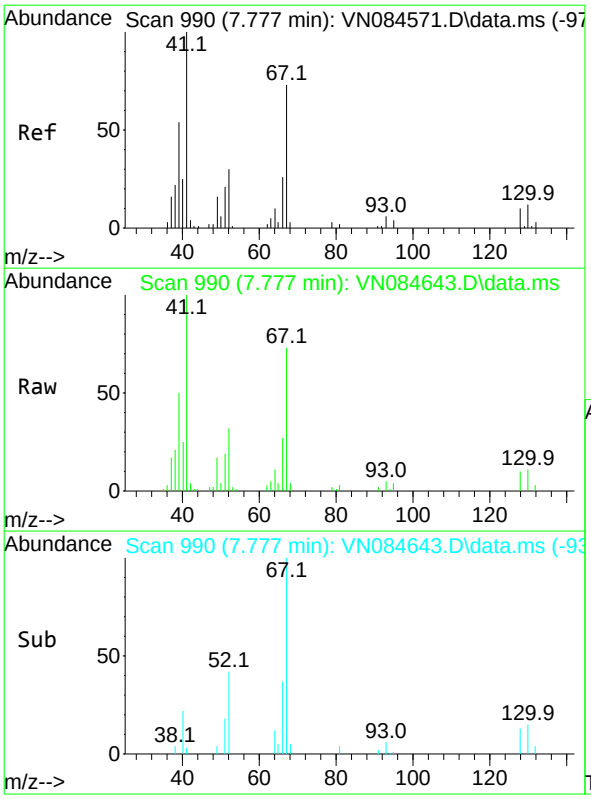


#40
Benzene
Concen: 46.647 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 78 Resp: 440337

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7

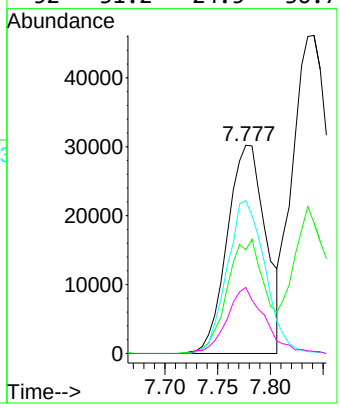




#41
Methacrylonitrile
Concen: 53.530 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 41 Resp: 76770

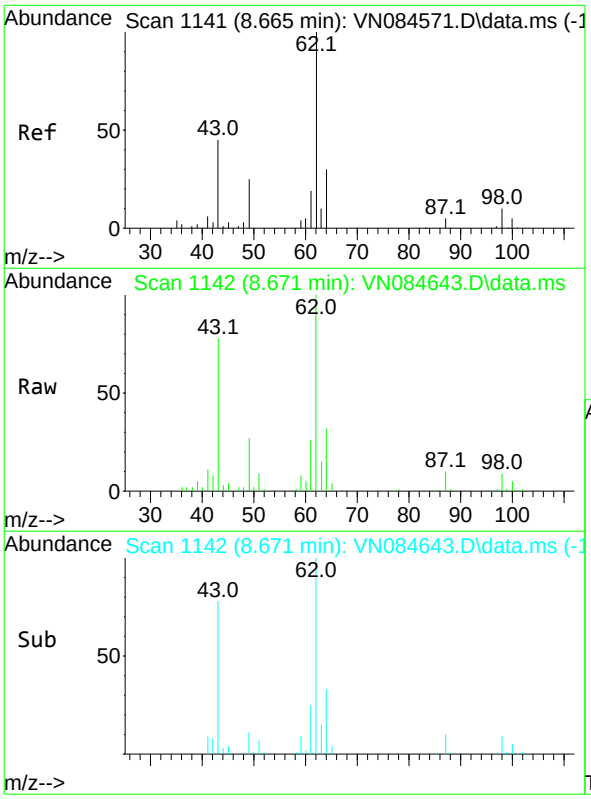
Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	72.3	56.1	84.1
52	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

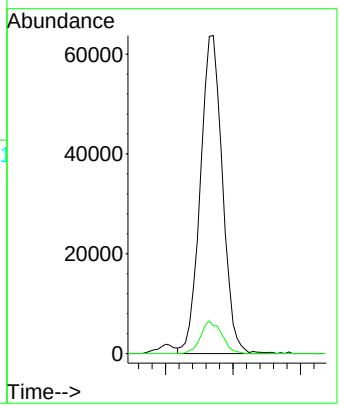
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

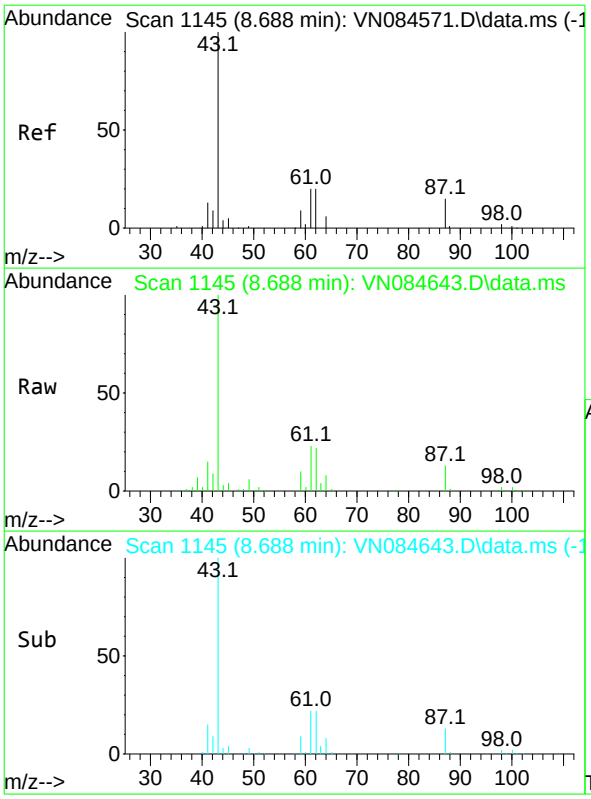


#42
1,2-Dichloroethane
Concen: 47.467 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 62 Resp: 145115

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.2

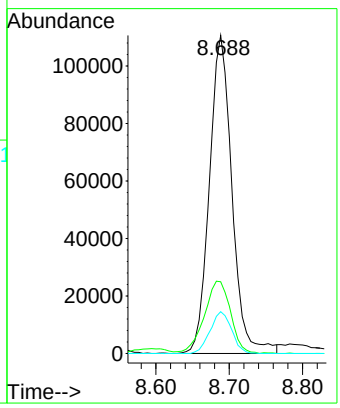




#43
Isopropyl Acetate
Concen: 48.051 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 236927

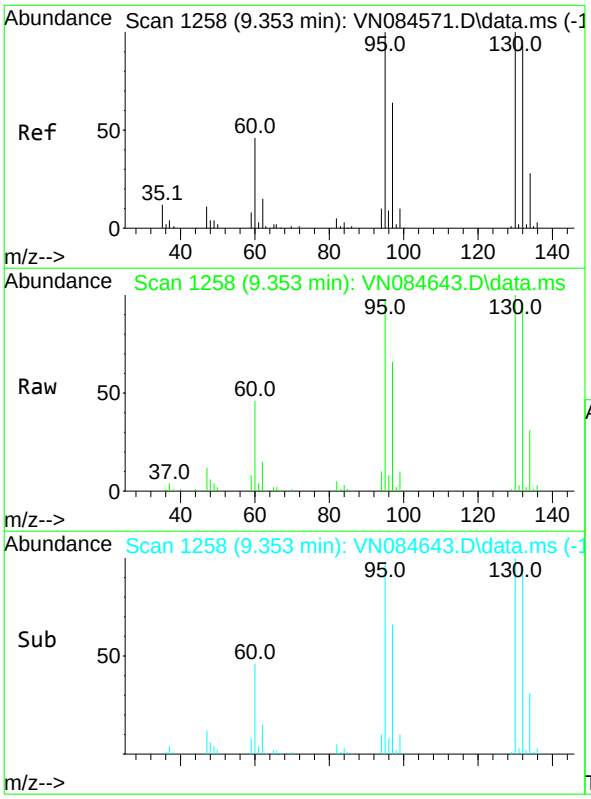
Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.4	30.6
87	12.5	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

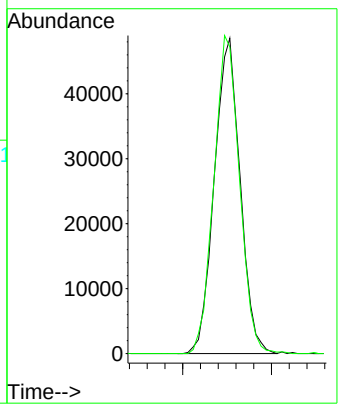
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

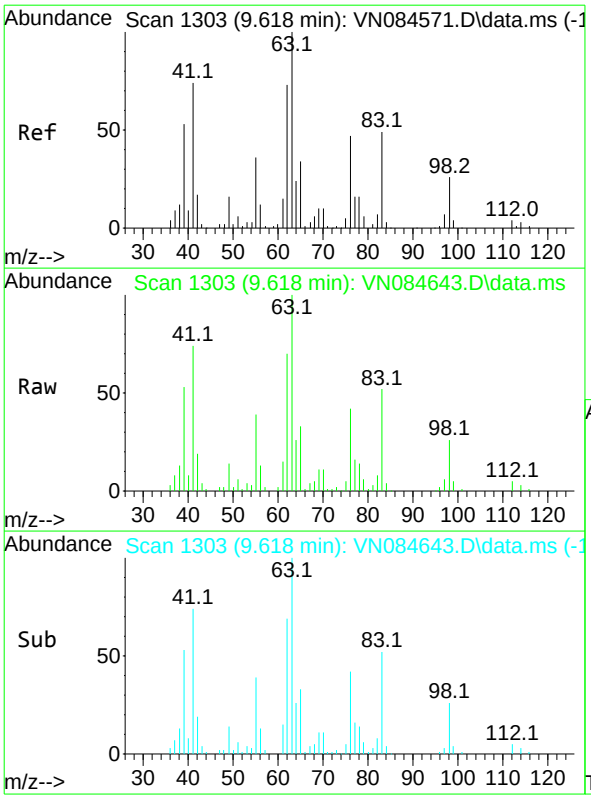


#44
Trichloroethene
Concen: 44.913 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:130 Resp: 97778

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	203.0

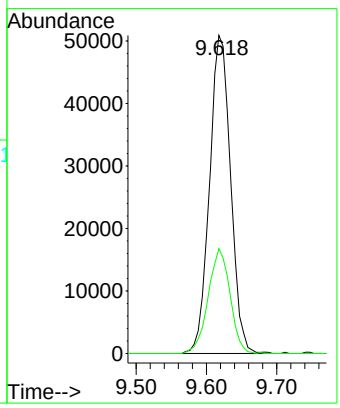




#45
1,2-Dichloropropane
Concen: 47.842 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 63 Resp: 105940

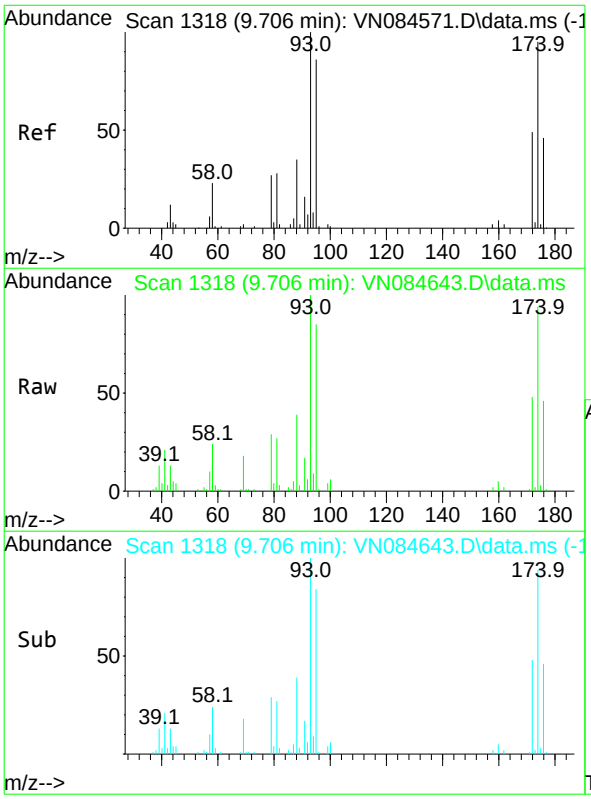
Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

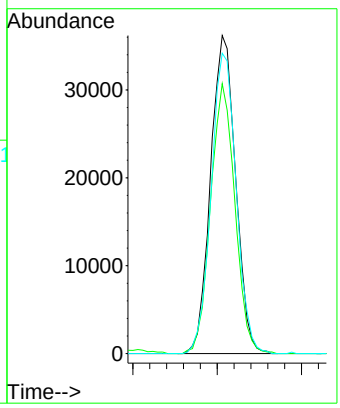
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

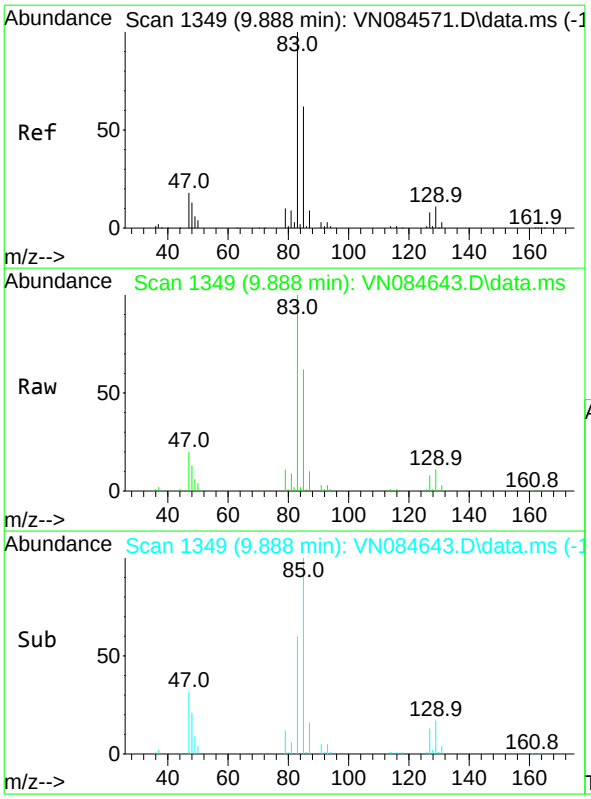


#46
Dibromomethane
Concen: 47.678 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 93 Resp: 74499

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.0	97.4
174	94.6	71.8	107.8

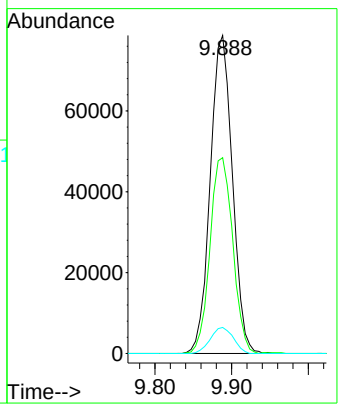




#47
Bromodichloromethane
Concen: 47.883 ug/l
RT: 9.888 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 83 Resp: 157714

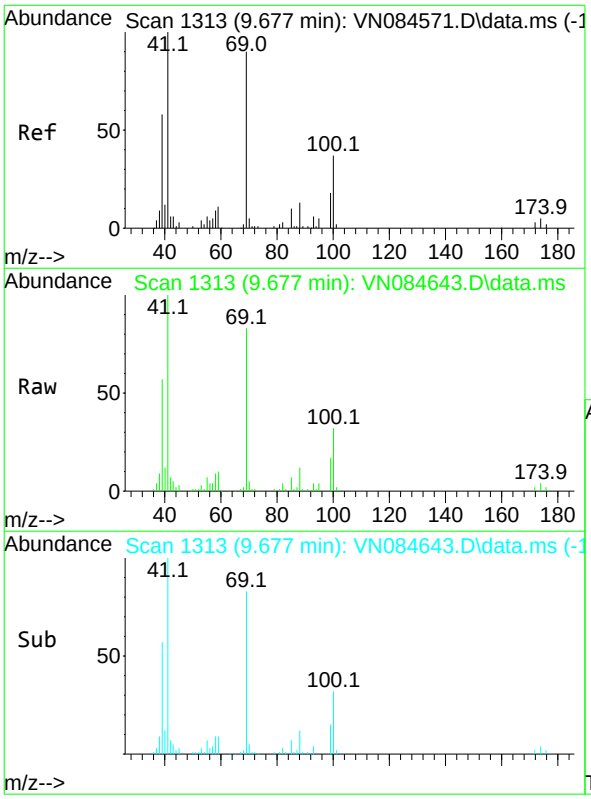
Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3
127	8.2	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

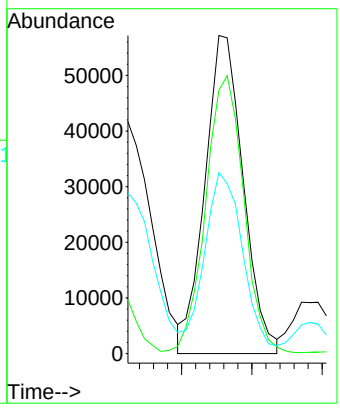
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

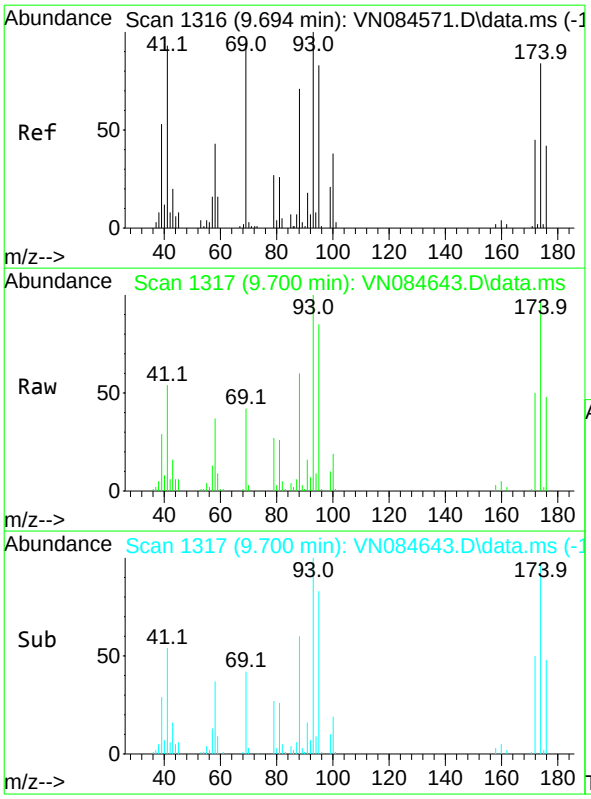


#48
Methyl methacrylate
Concen: 52.208 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 41 Resp: 108363

Ion	Ratio	Lower	Upper
41	100		
69	86.3	67.1	100.7
39	57.7	45.8	68.6

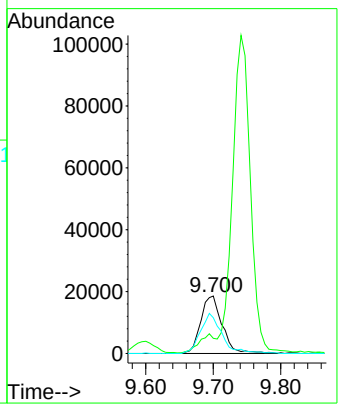




#49
1,4-Dioxane
Concen: 1116.514 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 88 Resp: 41066

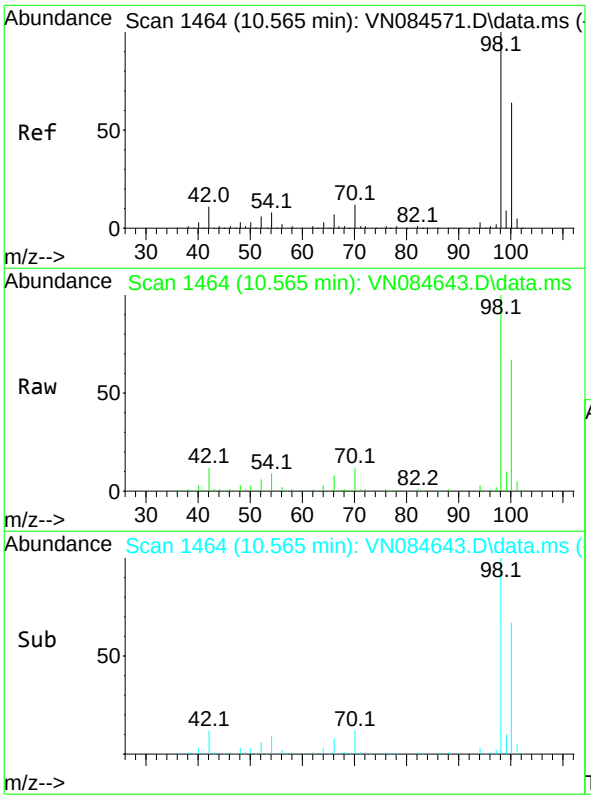
Ion	Ratio	Lower	Upper
88	100		
43	26.4	25.3	37.9
58	70.1	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

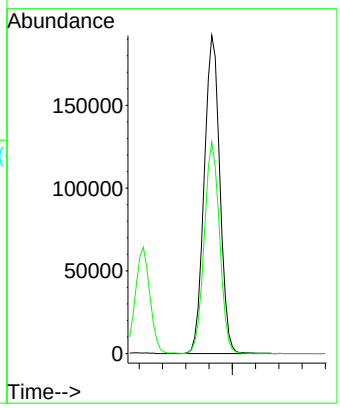
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

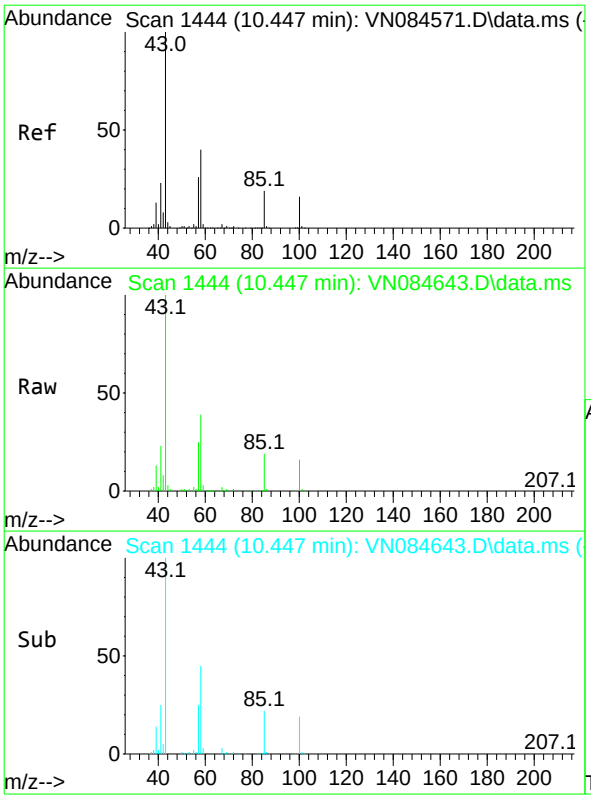


#50
Toluene-d8
Concen: 45.790 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 98 Resp: 357498

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

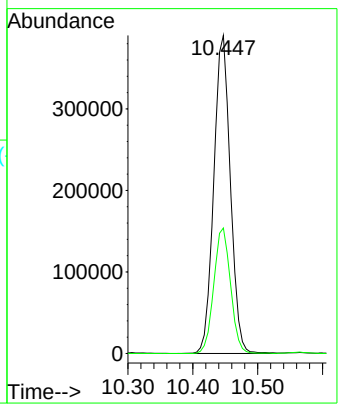




#51
4-Methyl-2-Pentanone
Concen: 272.575 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 692985

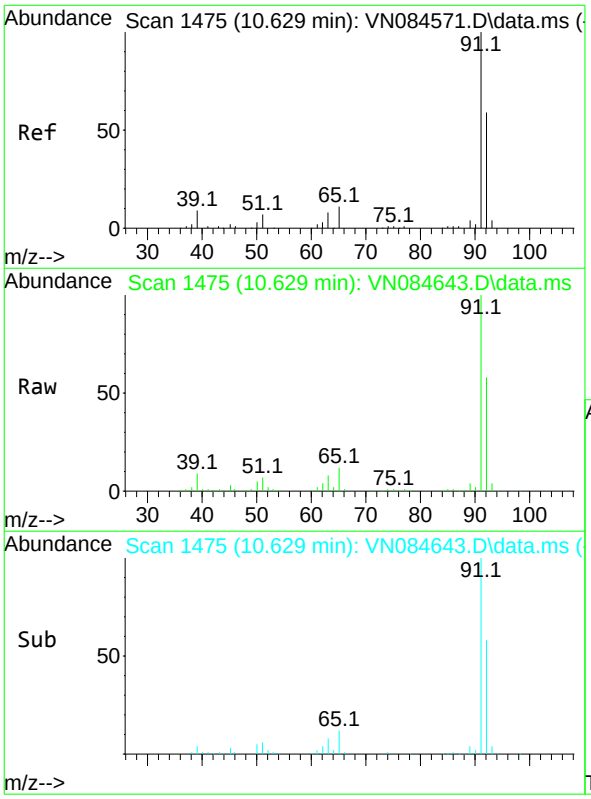
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

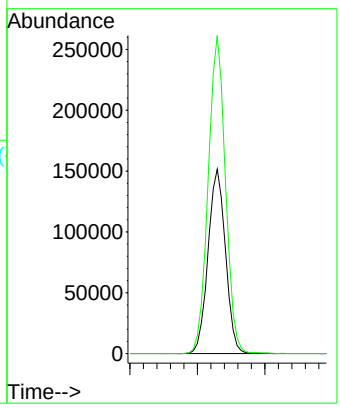
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

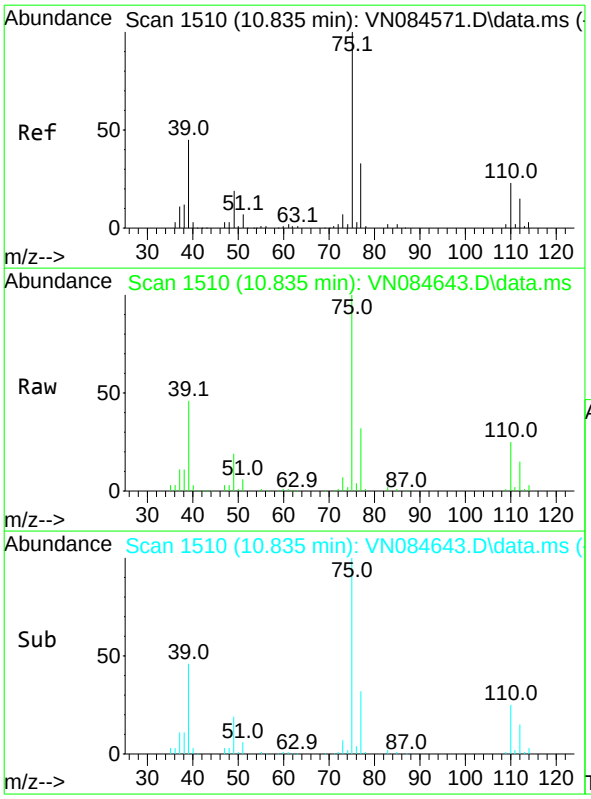


#52
Toluene
Concen: 49.183 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 92 Resp: 271534

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.3	205.9

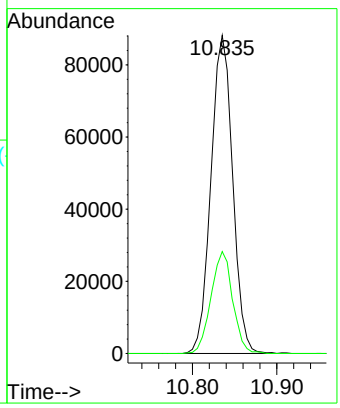




#53
t-1,3-Dichloropropene
Concen: 46.260 ug/l
RT: 10.835 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 157718

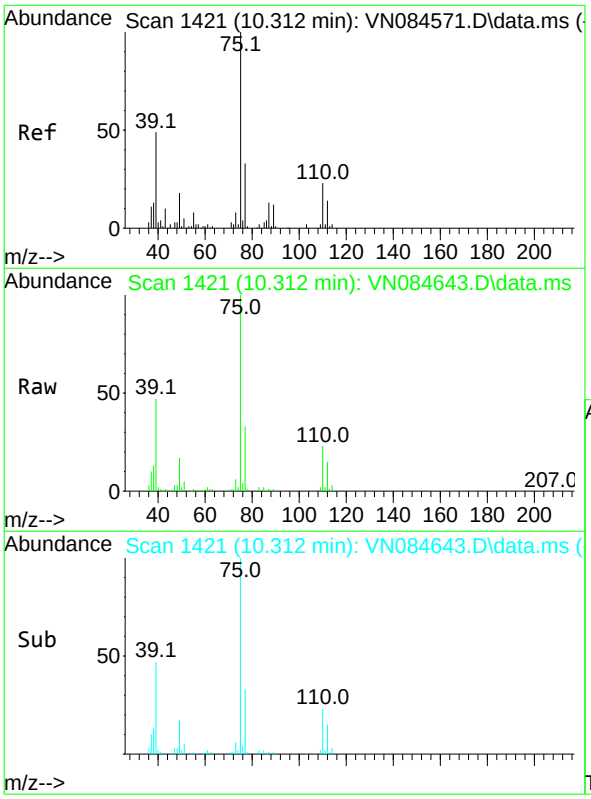
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

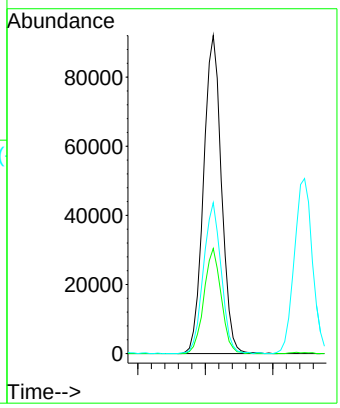
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

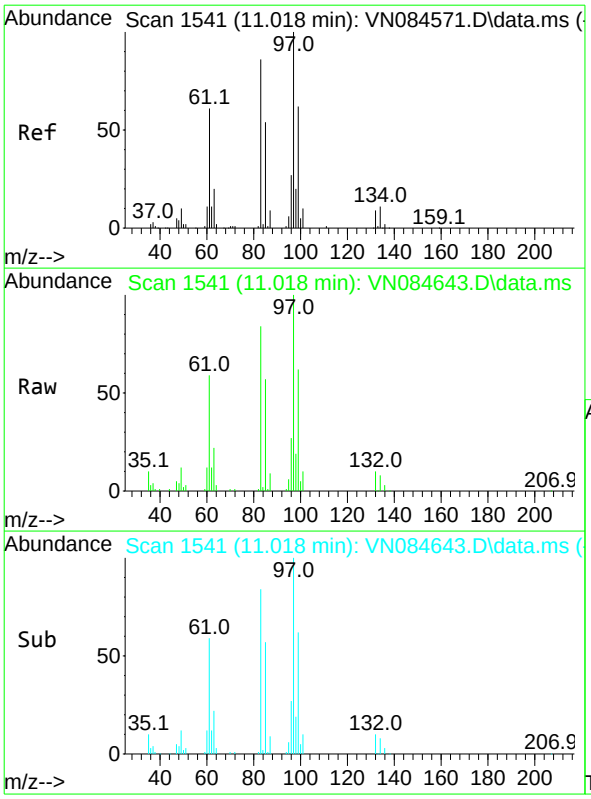


#54
cis-1,3-Dichloropropene
Concen: 46.972 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 169499

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.2	36.2
39	47.4	38.7	58.1

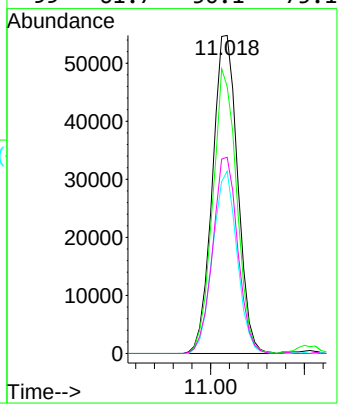




#55
1,1,2-Trichloroethane
Concen: 49.336 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 97 Resp: 102600

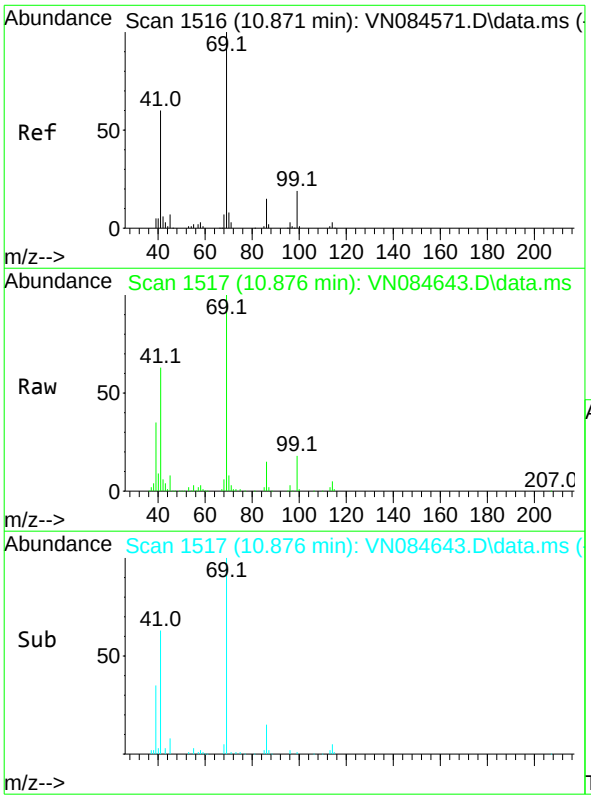
Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.0	106.4
85	57.3	41.7	62.5
99	61.7	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

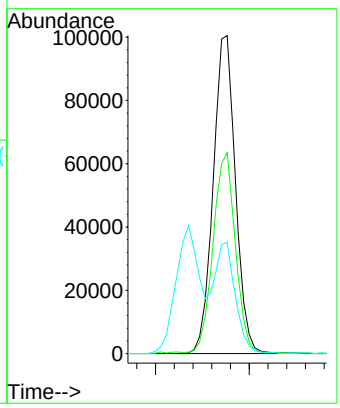
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

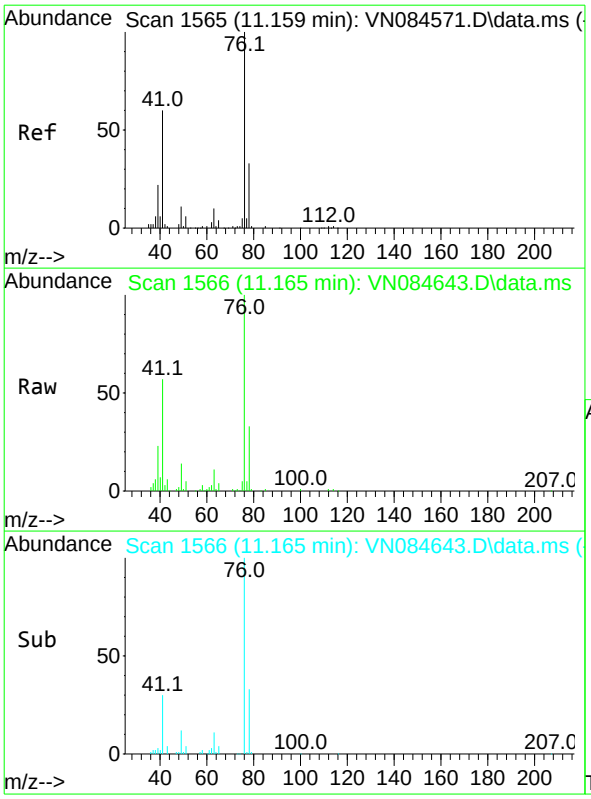


#56
Ethyl methacrylate
Concen: 55.207 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 69 Resp: 166069

Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.3	79.9
39	34.5	28.8	43.2

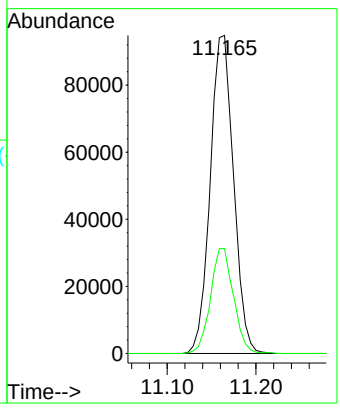




#57
1,3-Dichloropropane
Concen: 48.563 ug/l
RT: 11.165 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 76 Resp: 173329

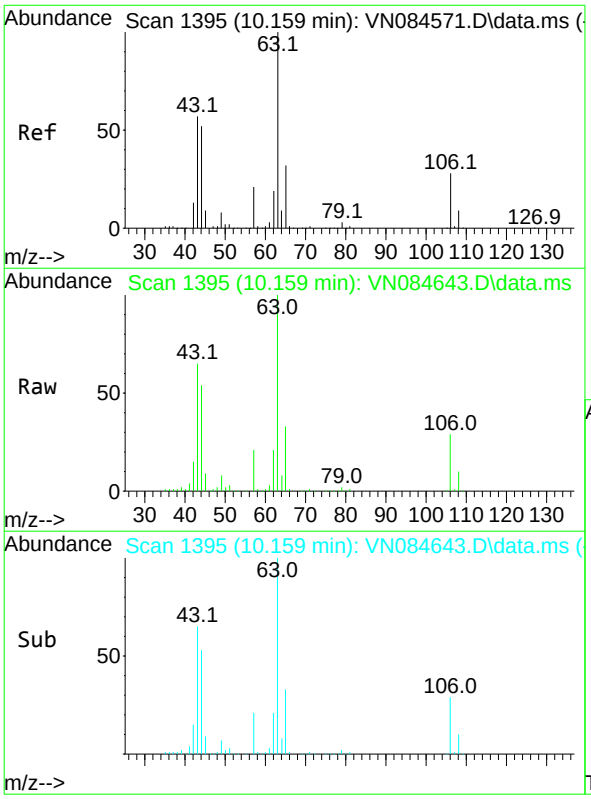
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

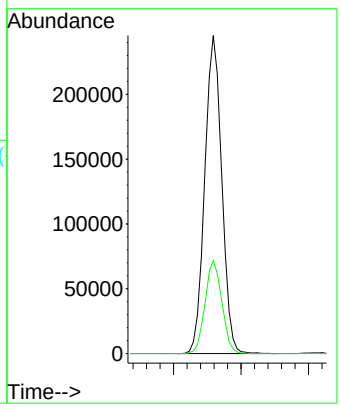
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

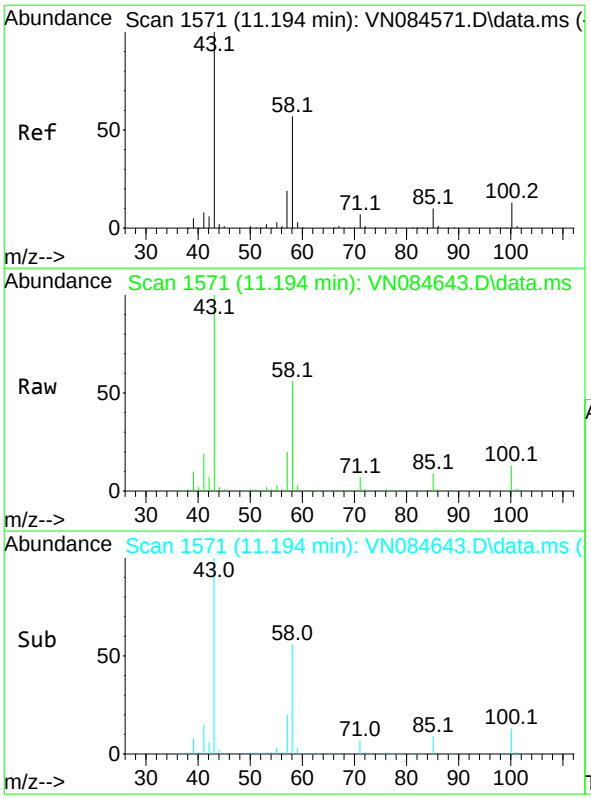


#58
2-Chloroethyl Vinyl ether
Concen: 304.914 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 63 Resp: 429197

Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.6

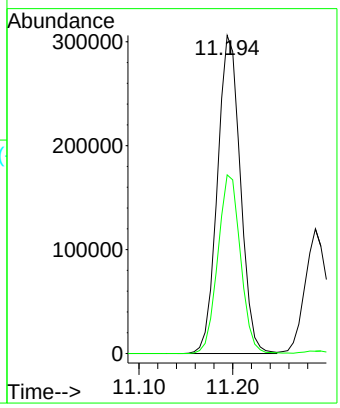




#59
2-Hexanone
Concen: 280.493 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 519065

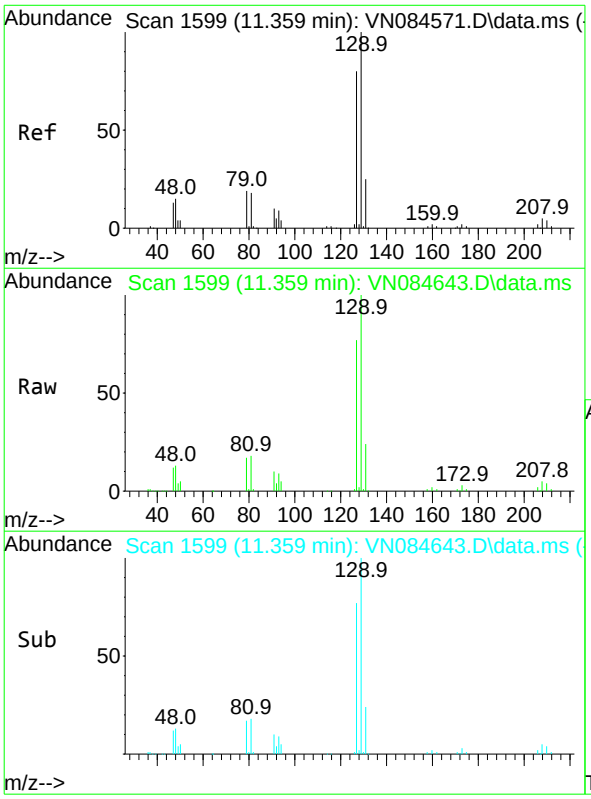
Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

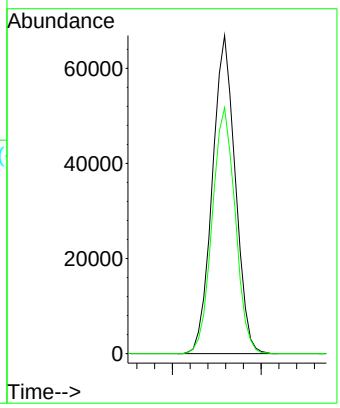
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

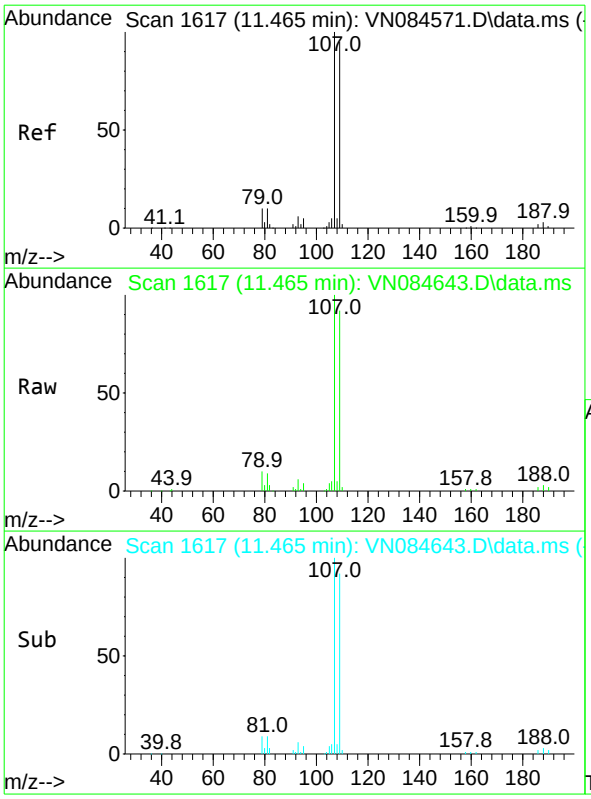


#60
Dibromochloromethane
Concen: 50.589 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:129 Resp: 119904

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9

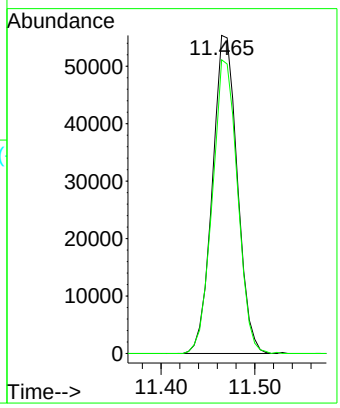




#61
1,2-Dibromoethane
Concen: 47.989 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:107 Resp: 102199

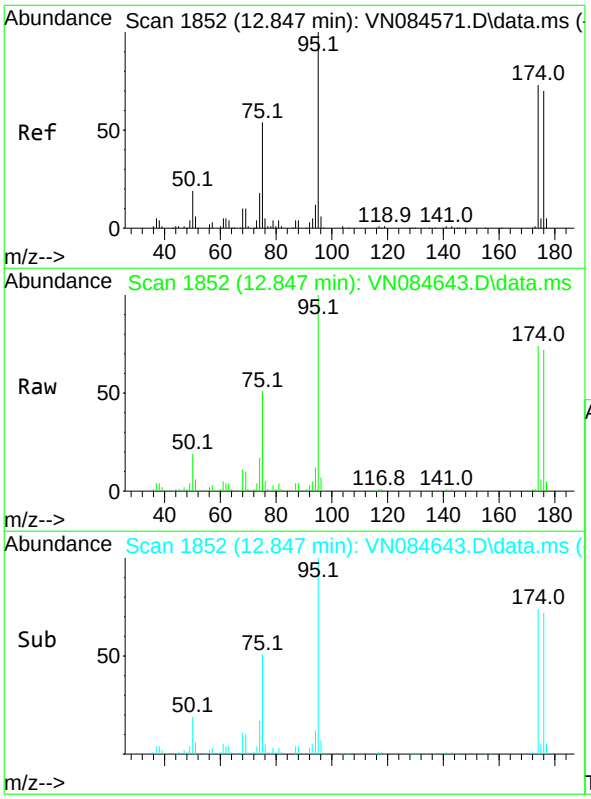
Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

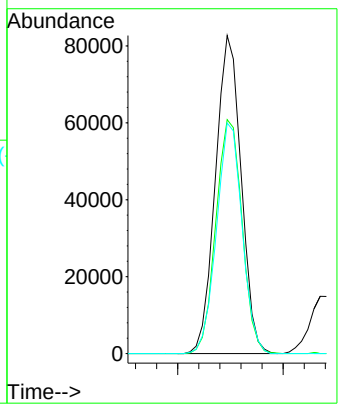
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

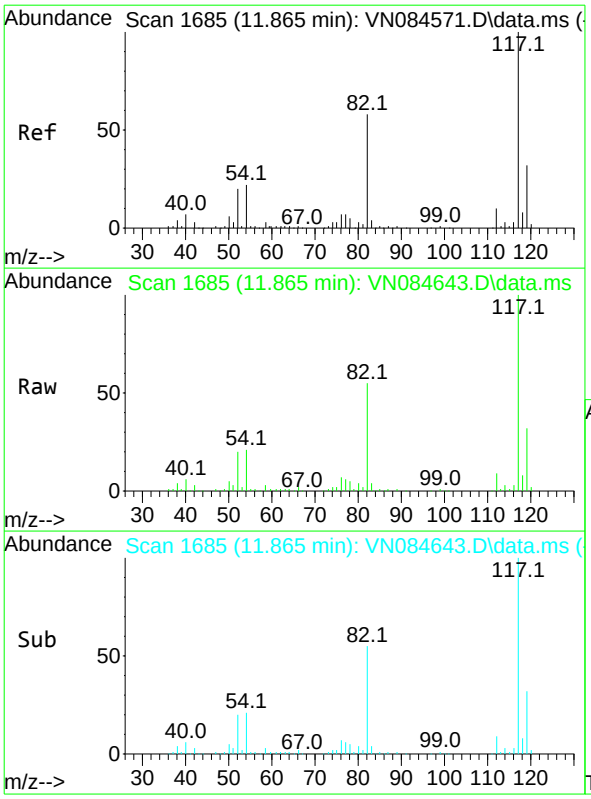


#62
4-Bromofluorobenzene
Concen: 47.985 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 95 Resp: 140014

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	72.1	0.0	140.0

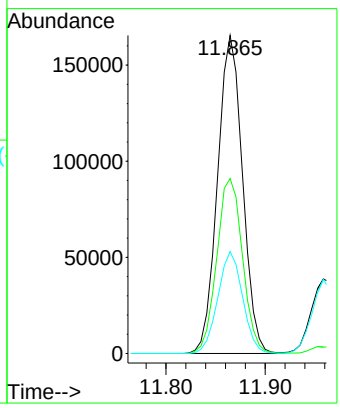




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:117 Resp: 289884

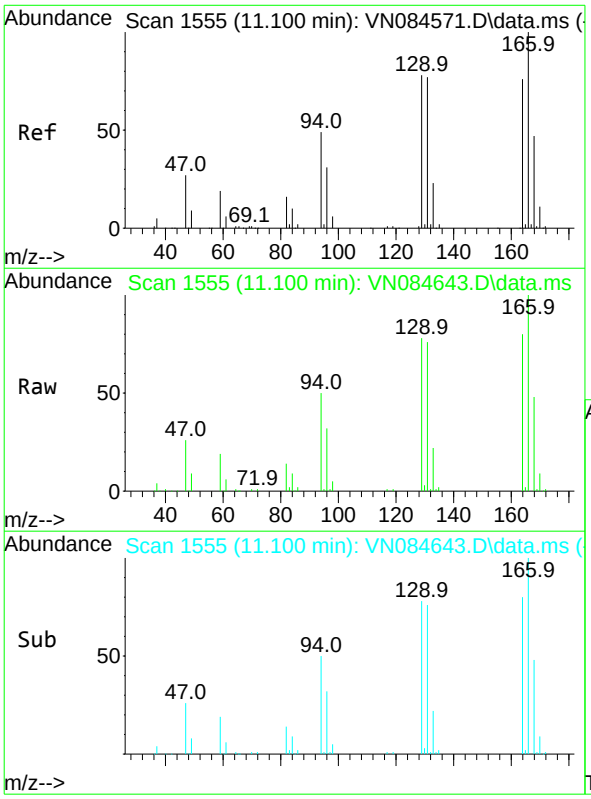
Ion	Ratio	Lower	Upper
117	100		
82	55.0	47.2	70.8
119	32.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

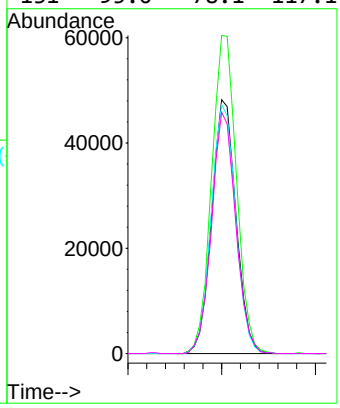
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

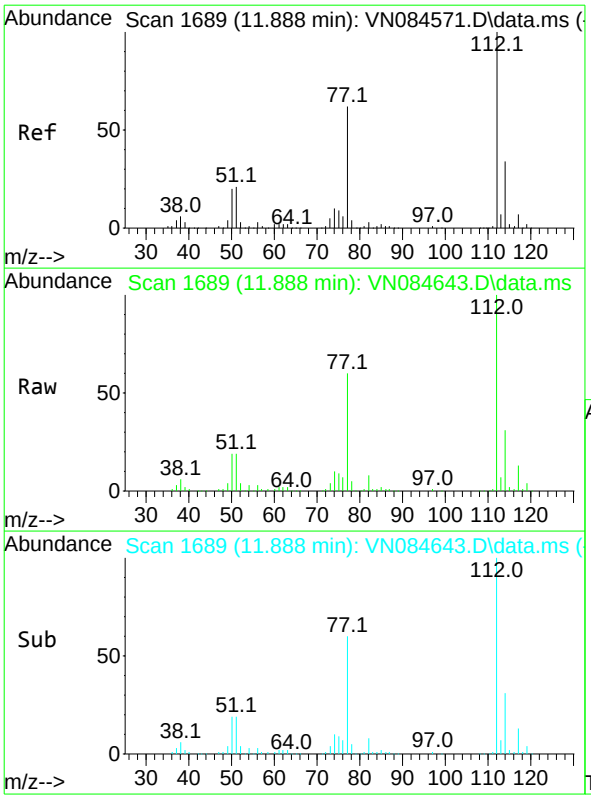


#64
Tetrachloroethene
Concen: 45.036 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:164 Resp: 86839

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	98.1	80.8	121.2
131	95.0	78.1	117.1

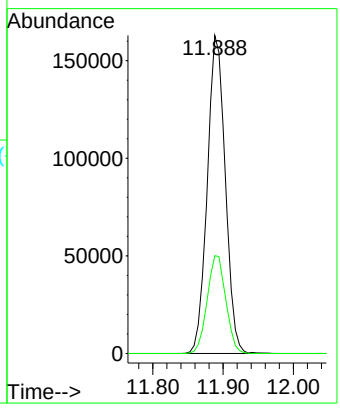




#65
Chlorobenzene
Concen: 44.610 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:112 Resp: 289307

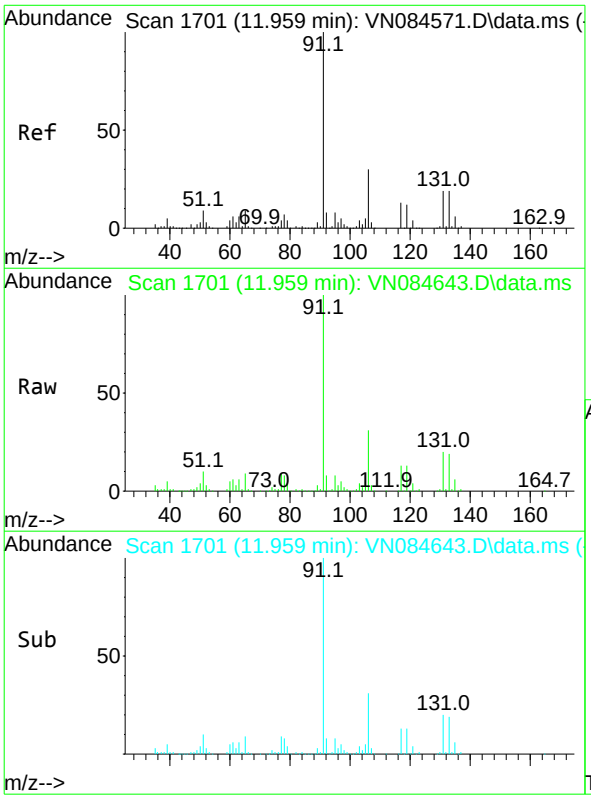
Ion	Ratio	Lower	Upper
112	100		
114	30.7	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

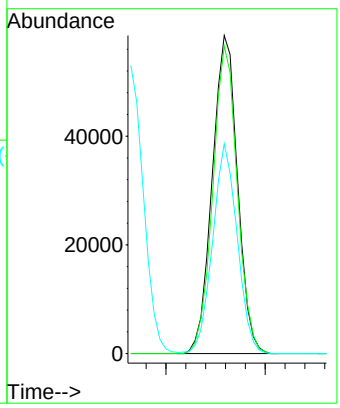
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

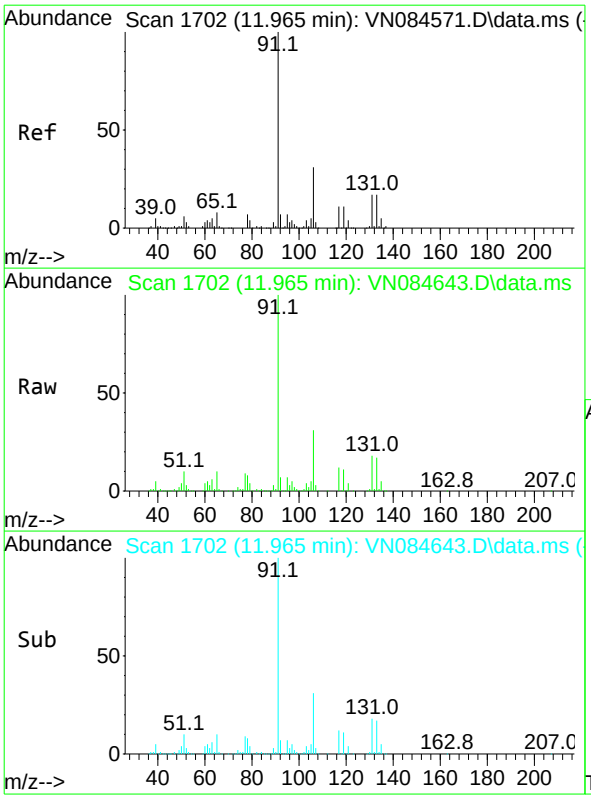


#66
1,1,1,2-Tetrachloroethane
Concen: 45.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:131 Resp: 103534

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	64.2	32.8	98.3

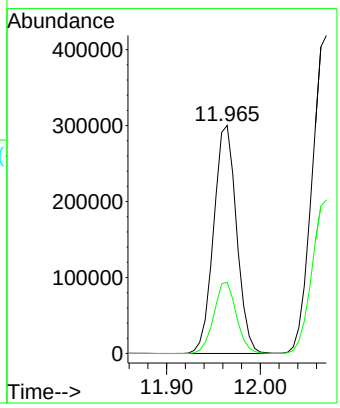




#67
Ethyl Benzene
Concen: 47.126 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 510156

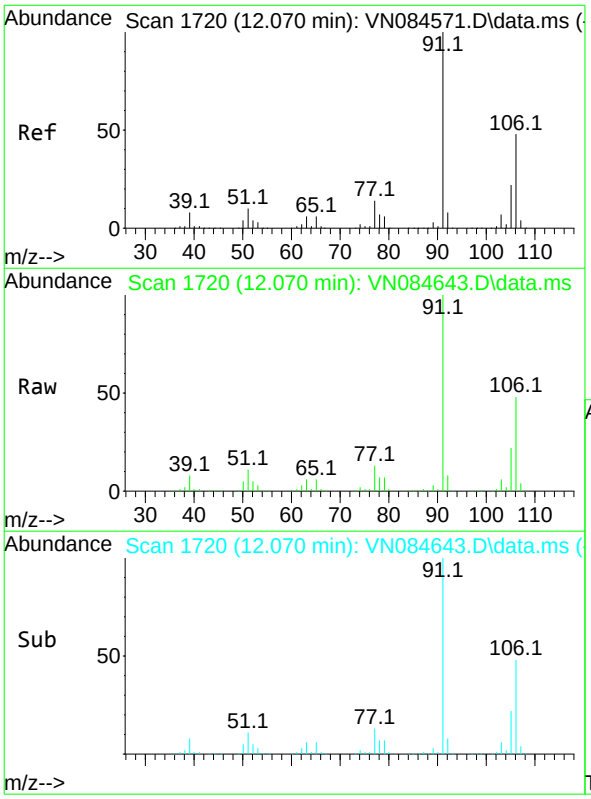
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

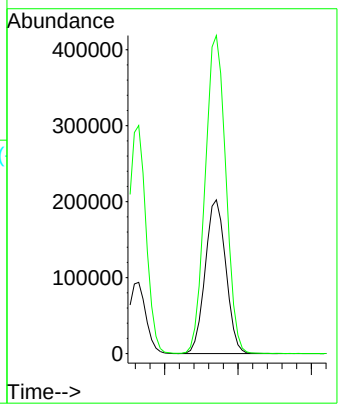
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

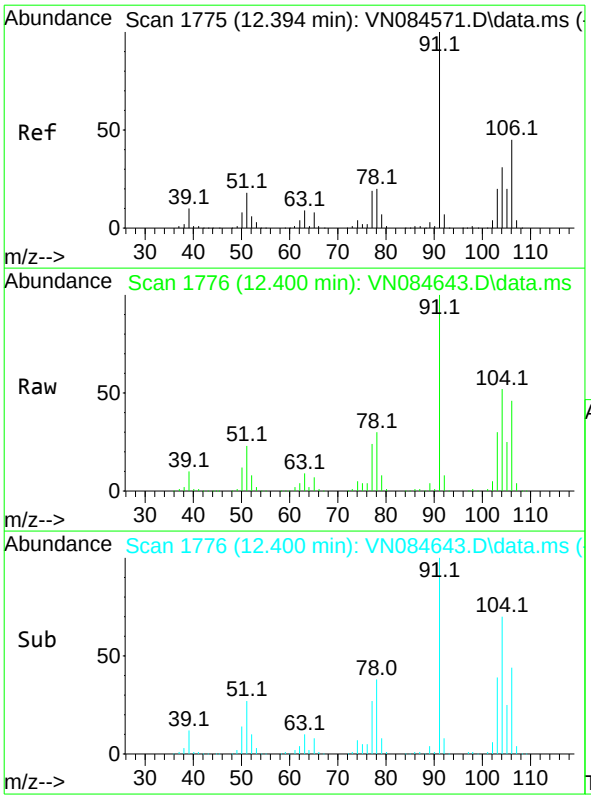


#68
m/p-Xylenes
Concen: 96.376 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:106 Resp: 394978

Ion	Ratio	Lower	Upper
106	100		
91	207.2	167.1	250.7

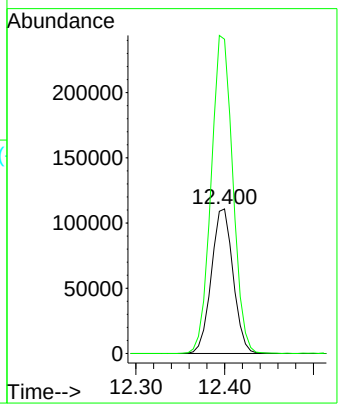




#69
o-Xylene
Concen: 49.151 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:106 Resp: 188437

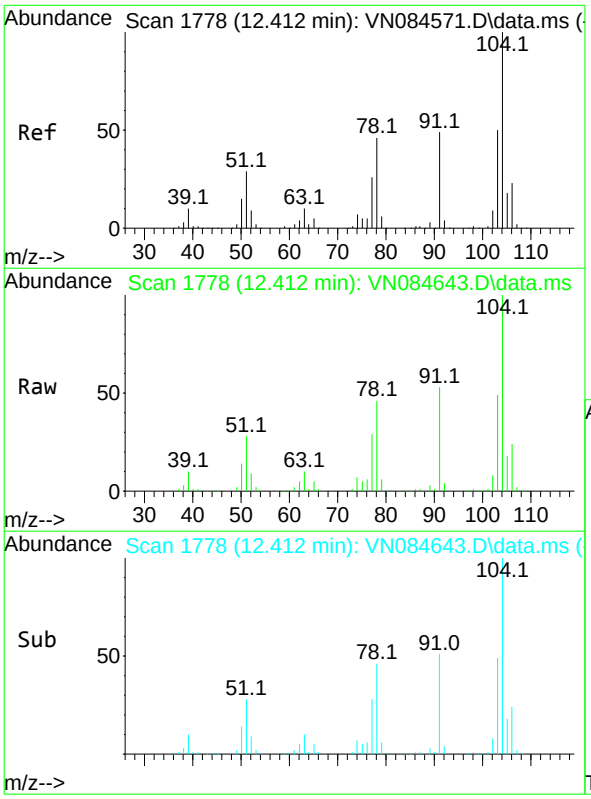
Ion	Ratio	Lower	Upper
106	100		
91	219.6	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

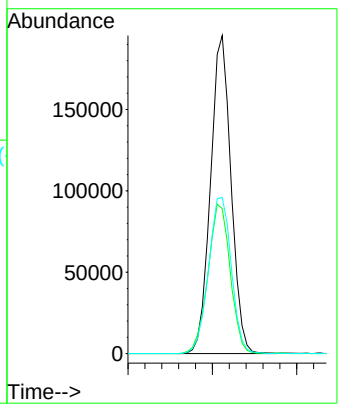
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

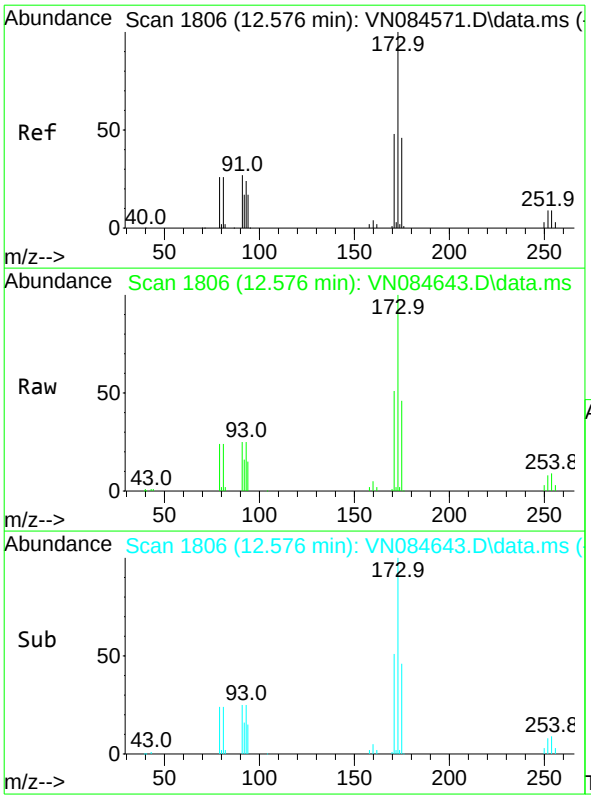


#70
Styrene
Concen: 49.400 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:104 Resp: 330384

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.7	64.1
103	54.4	43.6	65.4

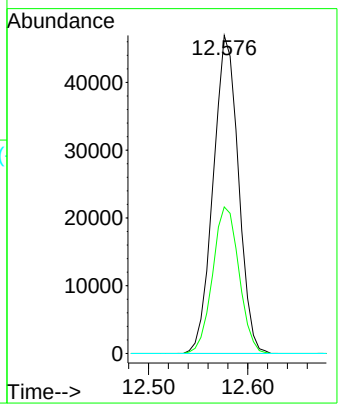




#71
Bromoform
Concen: 48.752 ug/l
RT: 12.576 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:173 Resp: 82751

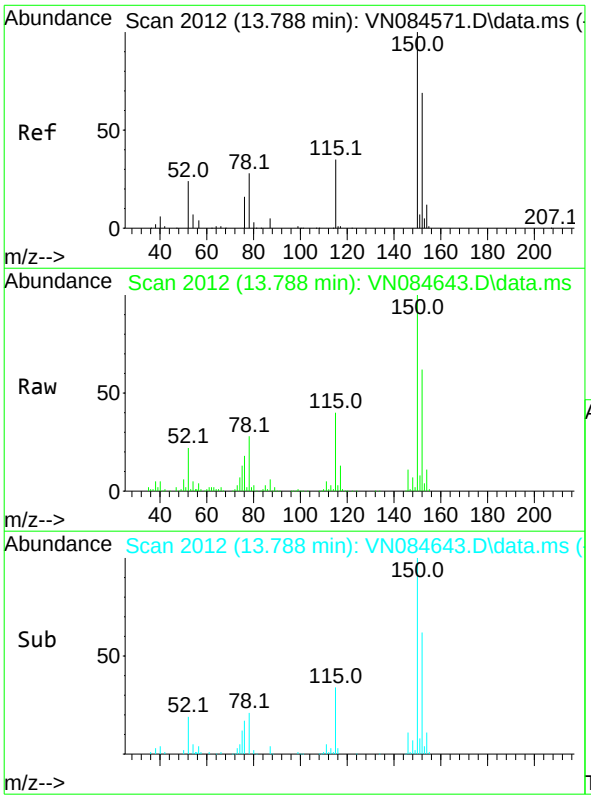
Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

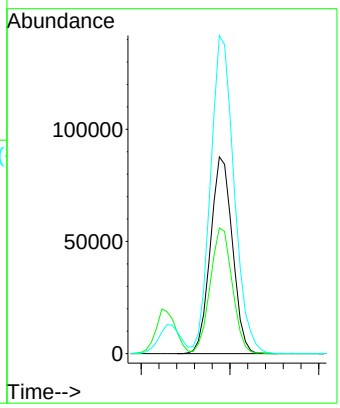
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

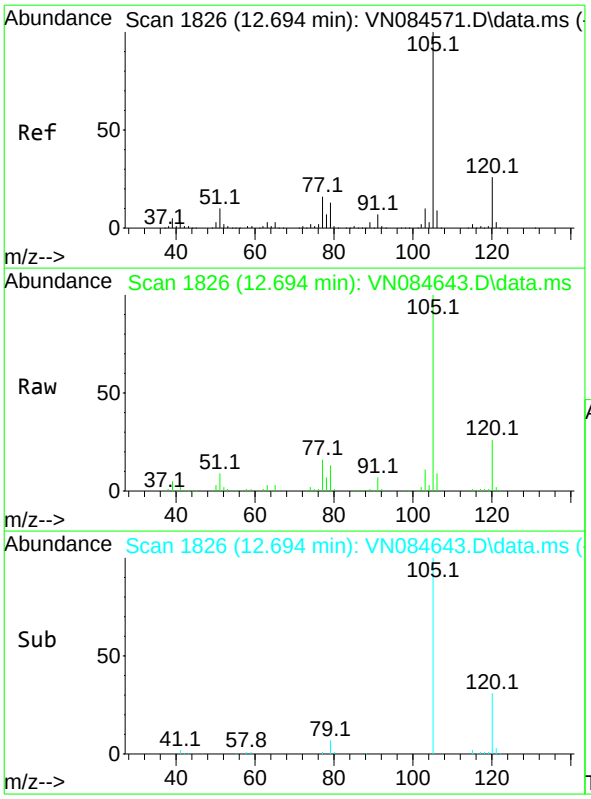


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:152 Resp: 150905

Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.3	93.9
150	173.8	0.0	349.8

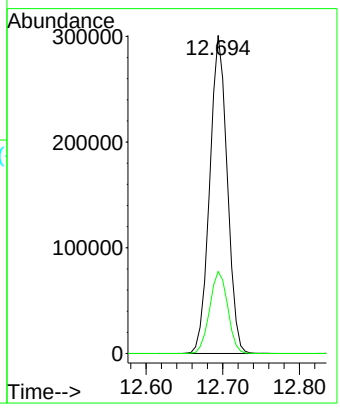




#73
Isopropylbenzene
Concen: 45.098 ug/l
RT: 12.694 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 476917

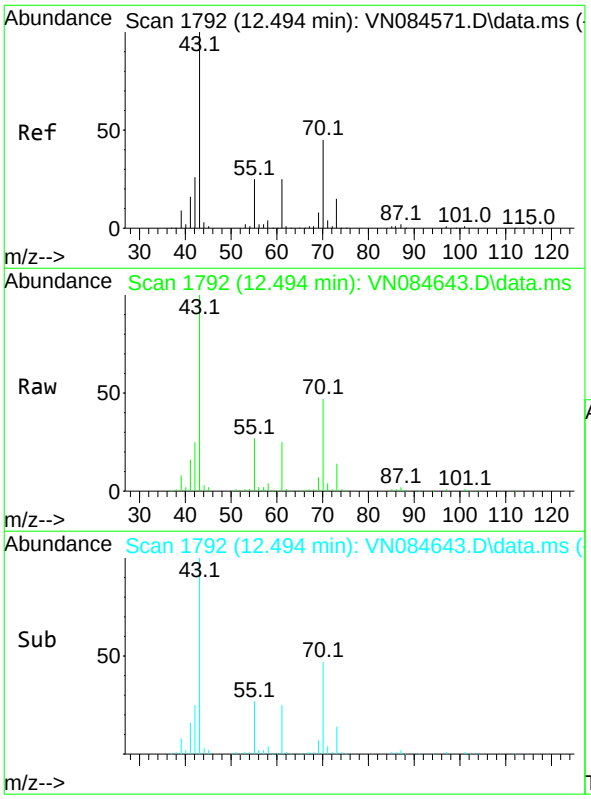
Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

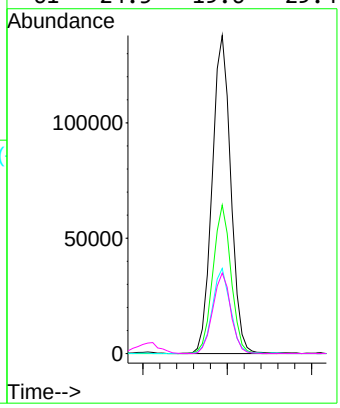
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

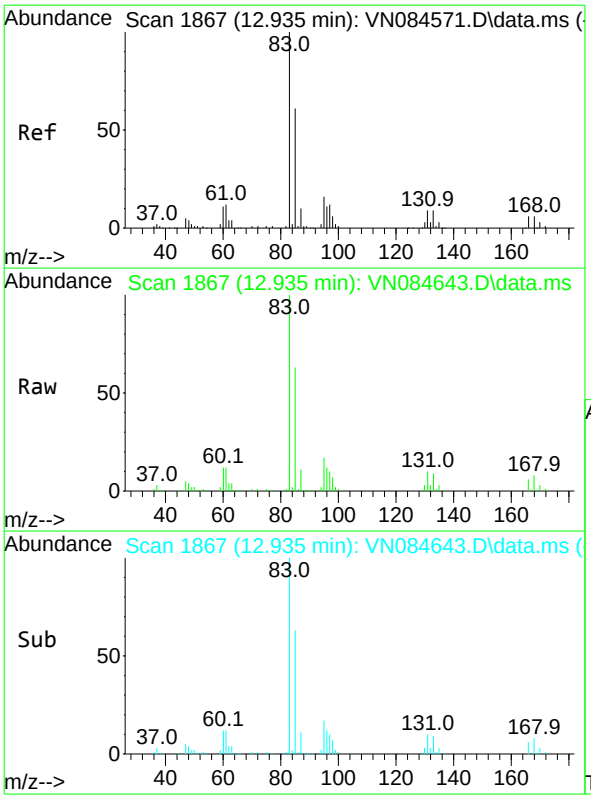


#74
N-amyl acetate
Concen: 46.982 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 211463

Ion	Ratio	Lower	Upper
43	100		
70	45.4	34.4	51.6
55	26.0	19.6	29.4
61	24.5	19.6	29.4





#75
1,1,2,2-Tetrachloroethane
Concen: 43.570 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

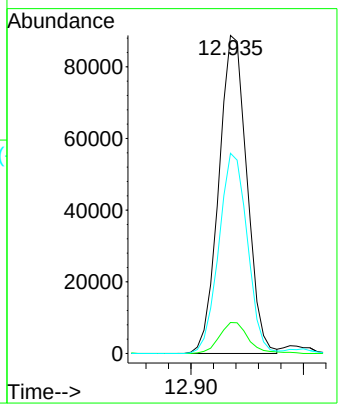
Tgt Ion: 83 Resp: 153793

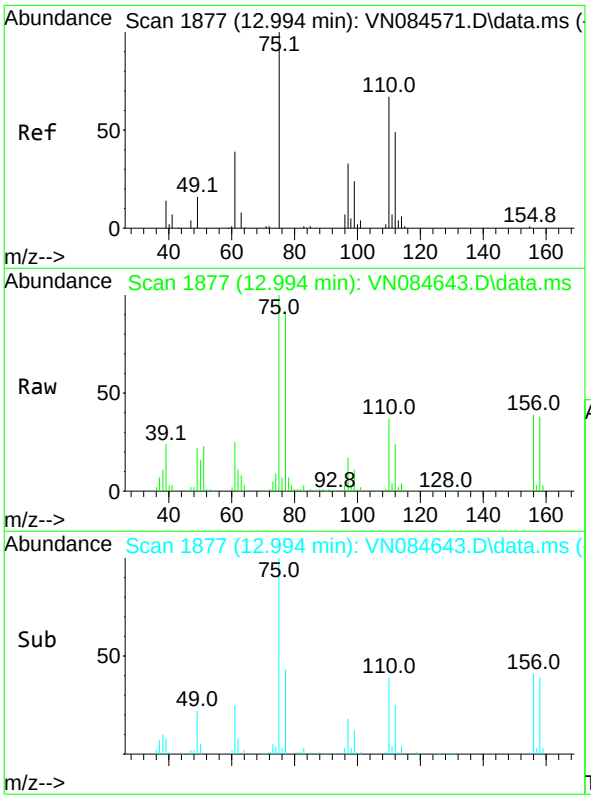
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.8	31.9	95.7

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

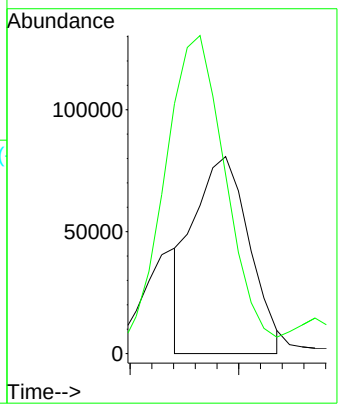


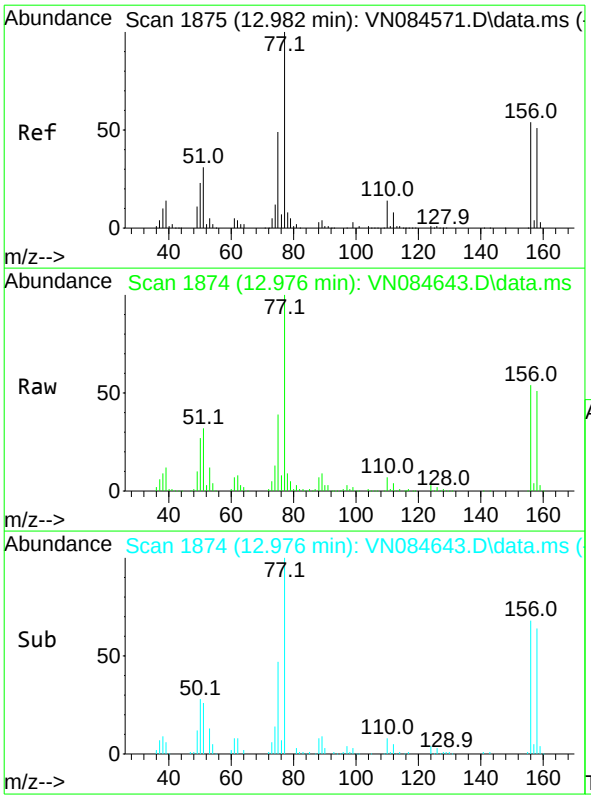


#76
1,2,3-Trichloropropane
Concen: 47.712 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 143924

Ion	Ratio	Lower	Upper
75	100		
77	180.8	96.9	290.7

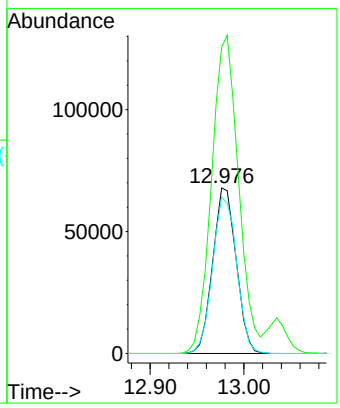




#77
Bromobenzene
Concen: 41.565 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:156 Resp: 118165

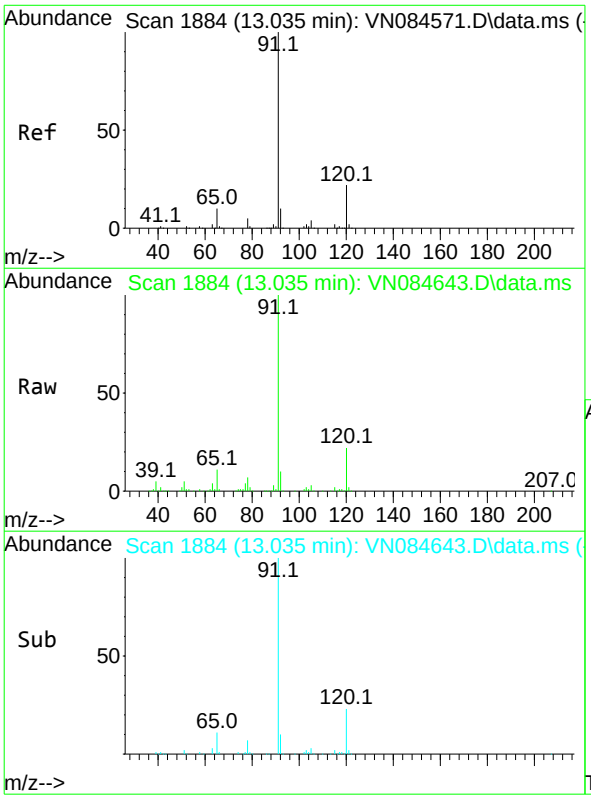
Ion	Ratio	Lower	Upper
156	100		
77	220.2	115.1	345.3
158	97.4	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

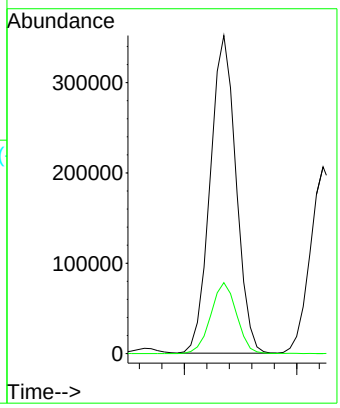
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

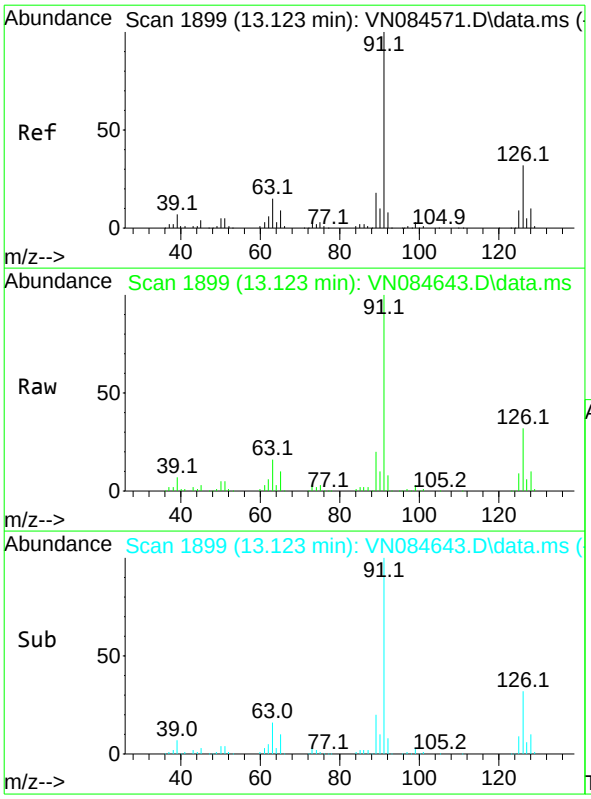


#78
n-propylbenzene
Concen: 45.341 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 561871

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4

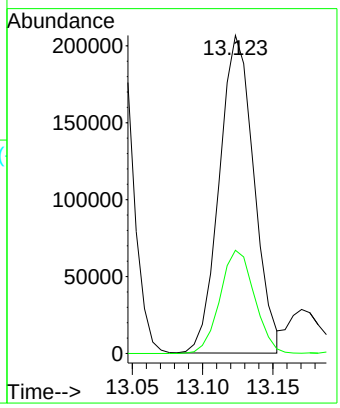




#79
2-Chlorotoluene
Concen: 43.676 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 353652

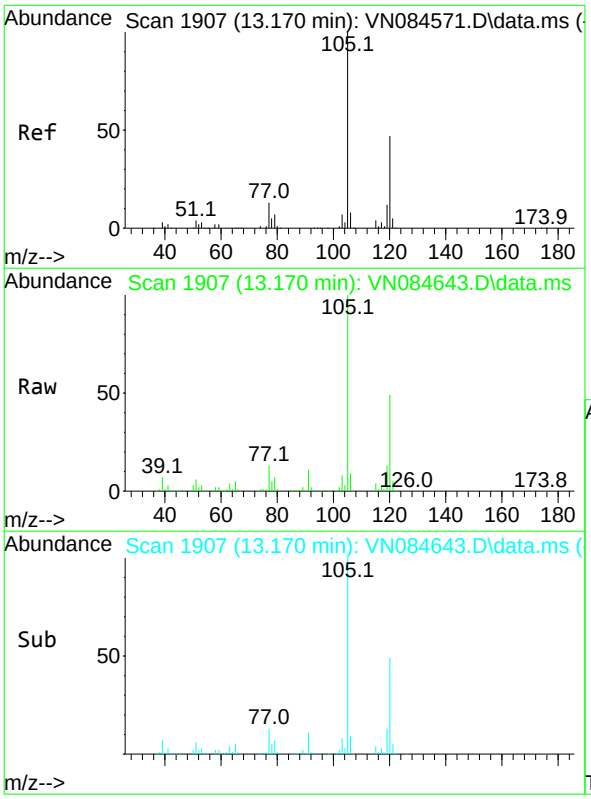
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

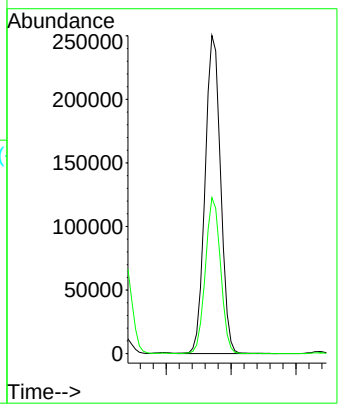
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

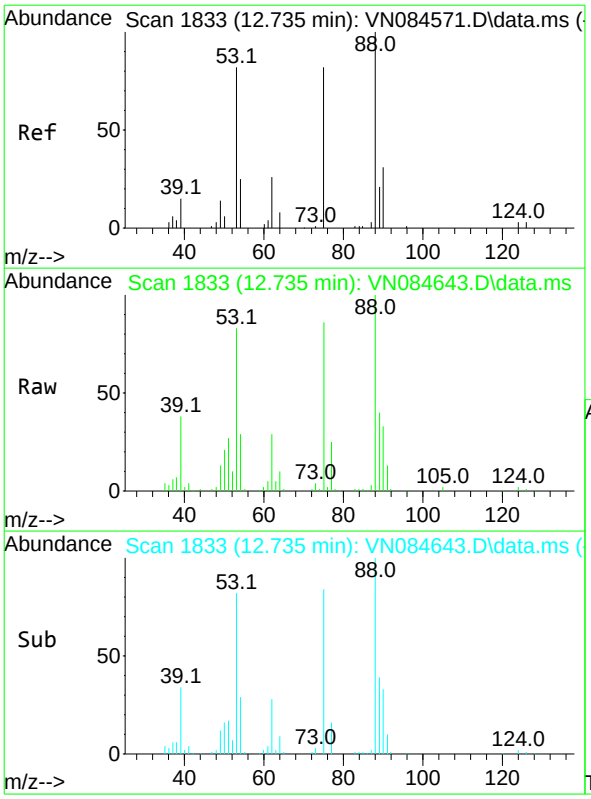


#80
1,3,5-Trimethylbenzene
Concen: 47.386 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 415331

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.7	71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 43.343 ug/l
RT: 12.735 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

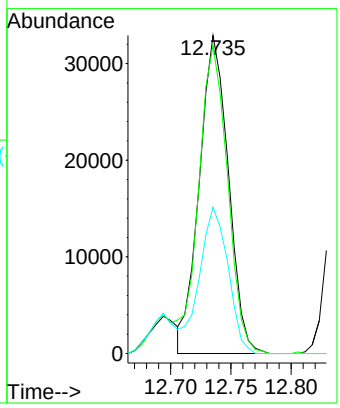
Tgt Ion: 75 Resp: 55111

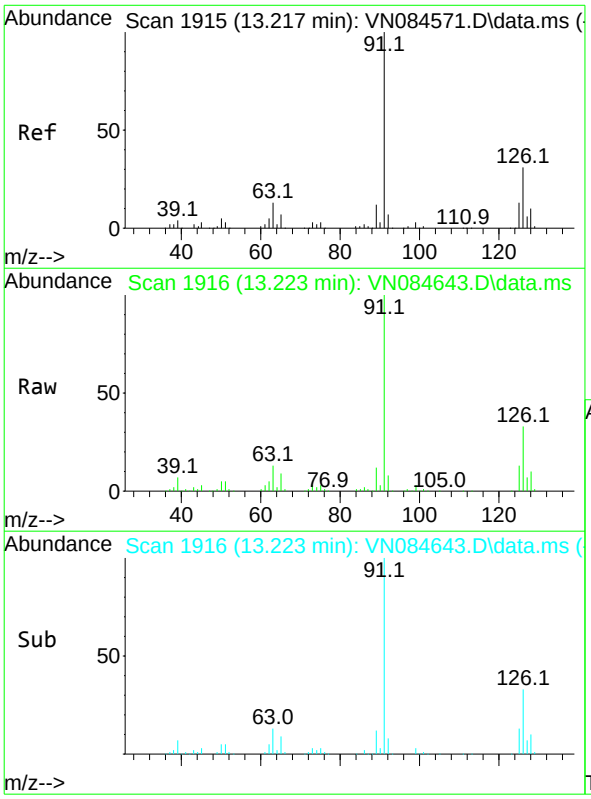
Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.8	35.5	53.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

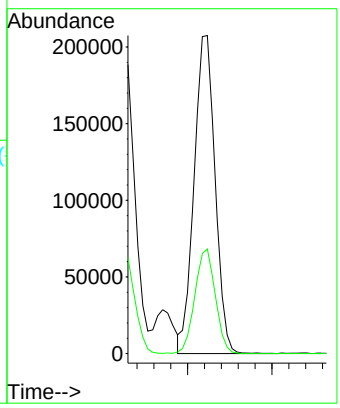


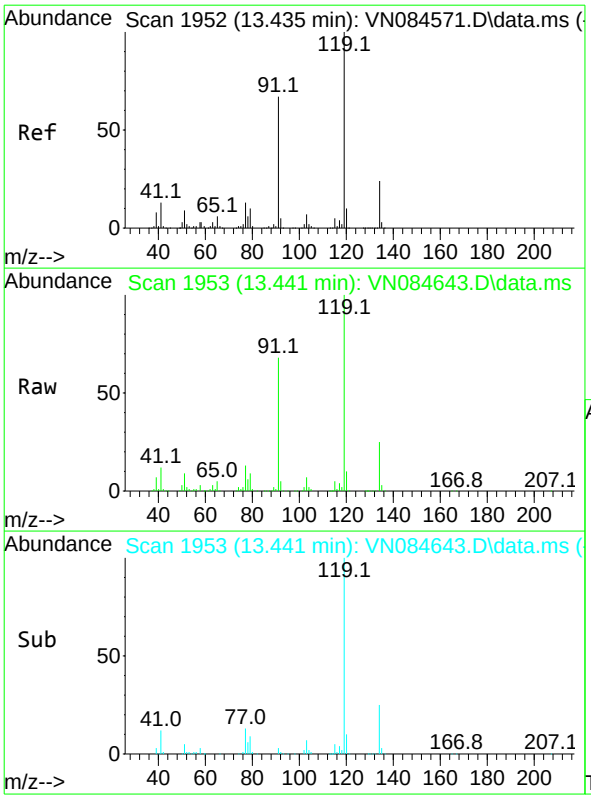


#82
4-Chlorotoluene
Concen: 42.079 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 358576

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1

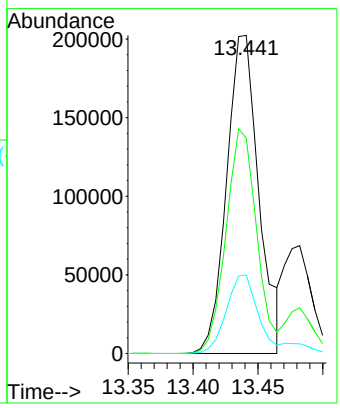




#83
tert-Butylbenzene
Concen: 48.297 ug/l
RT: 13.441 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:119 Resp: 350343

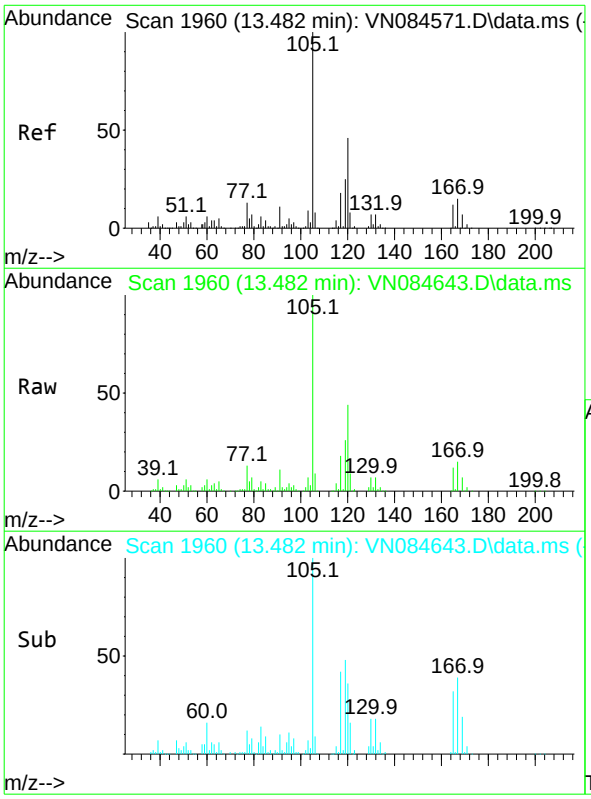
Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	26.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

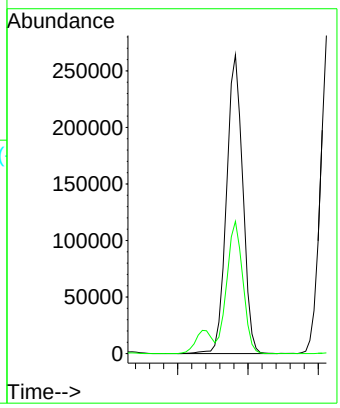
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

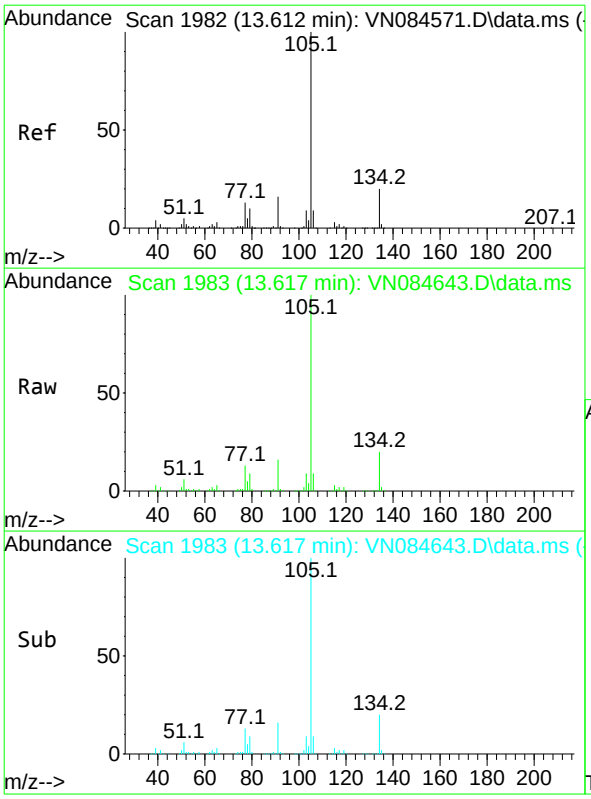


#84
1,2,4-Trimethylbenzene
Concen: 46.843 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 423745

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8

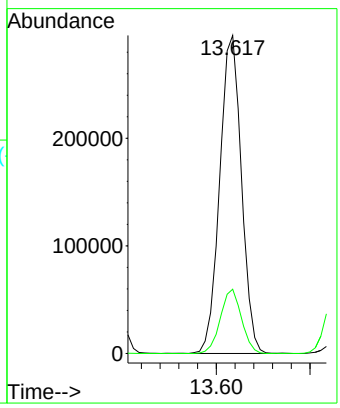




#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.617 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 475480

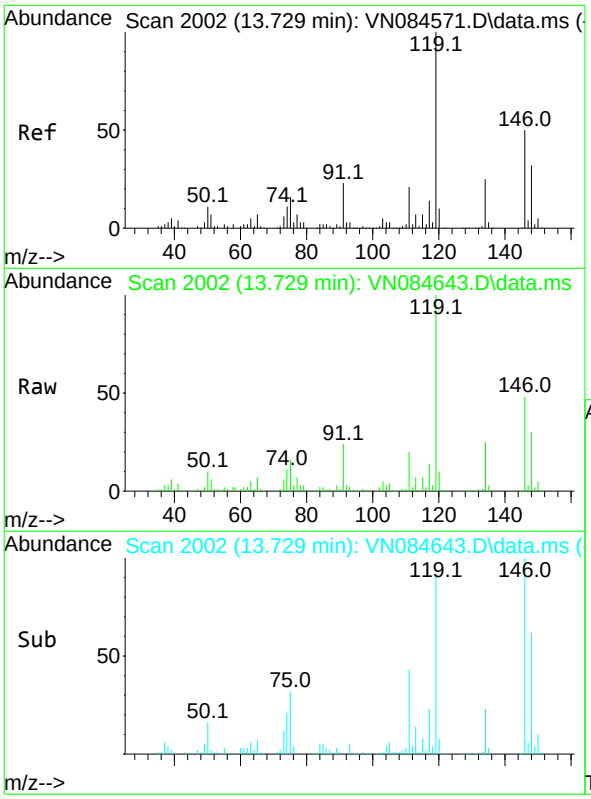
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

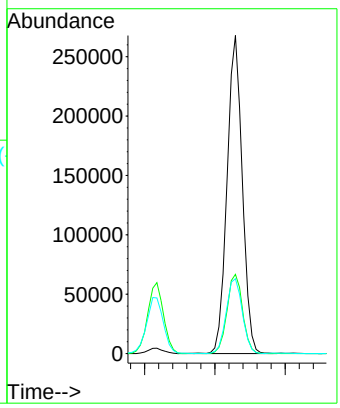
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

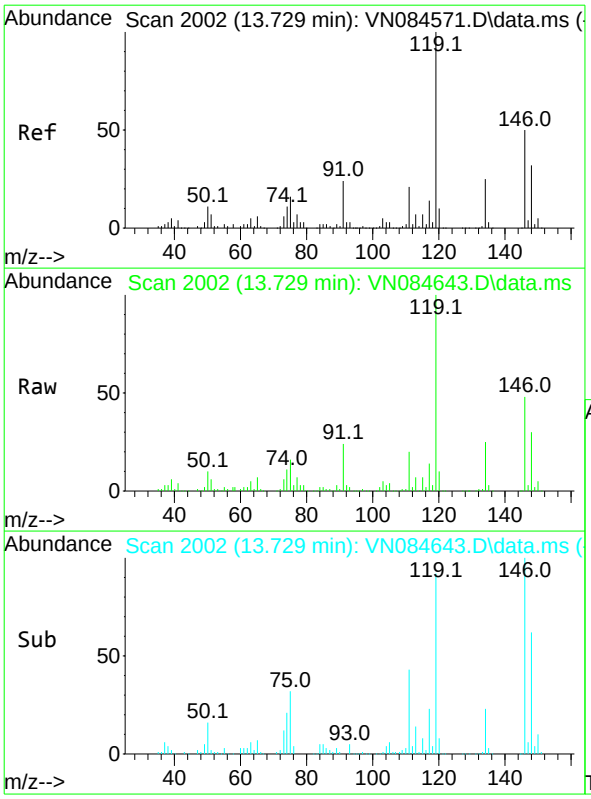


#86
p-Isopropyltoluene
Concen: 47.960 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:119 Resp: 403030

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.9	12.4	37.2

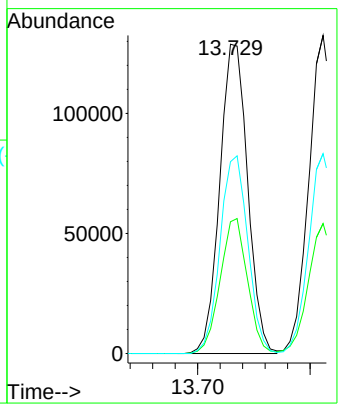




#87
1,3-Dichlorobenzene
Concen: 40.052 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:146 Resp: 222216

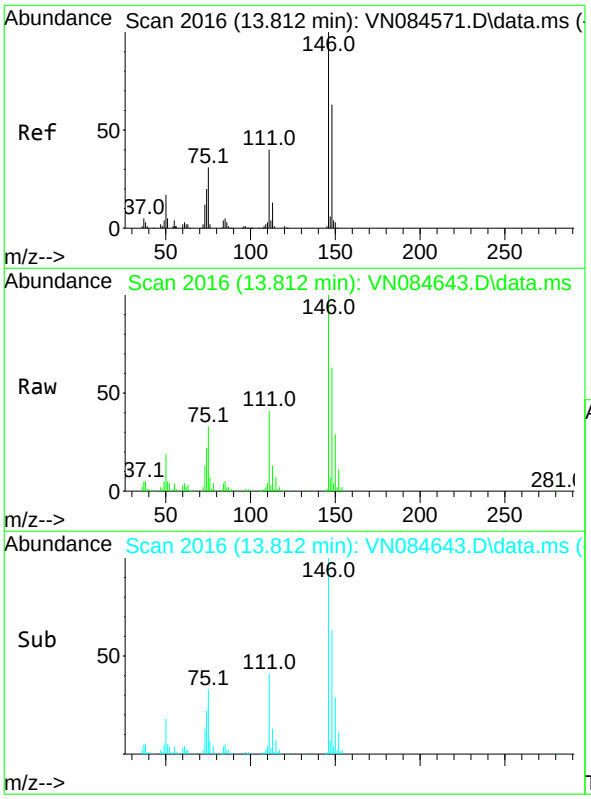
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.5	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

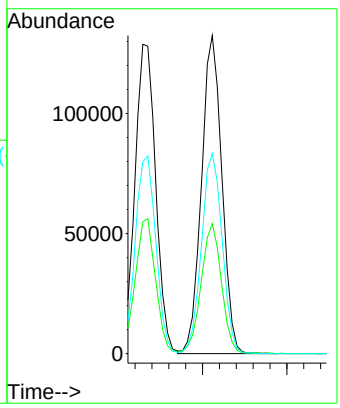
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

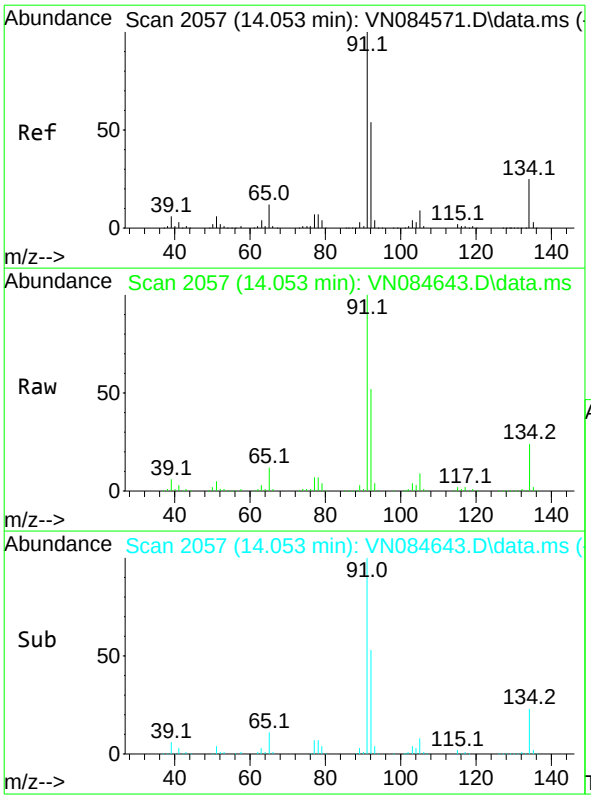


#88
1,4-Dichlorobenzene
Concen: 43.485 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:146 Resp: 222214

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.2	63.6
148	64.0	31.9	95.9

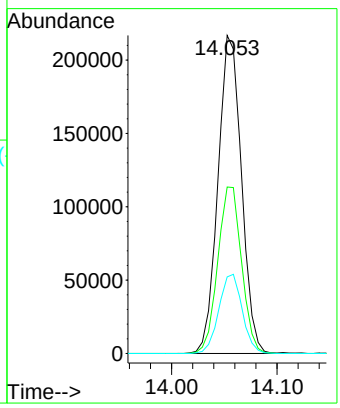




#89
n-Butylbenzene
Concen: 42.698 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 335644

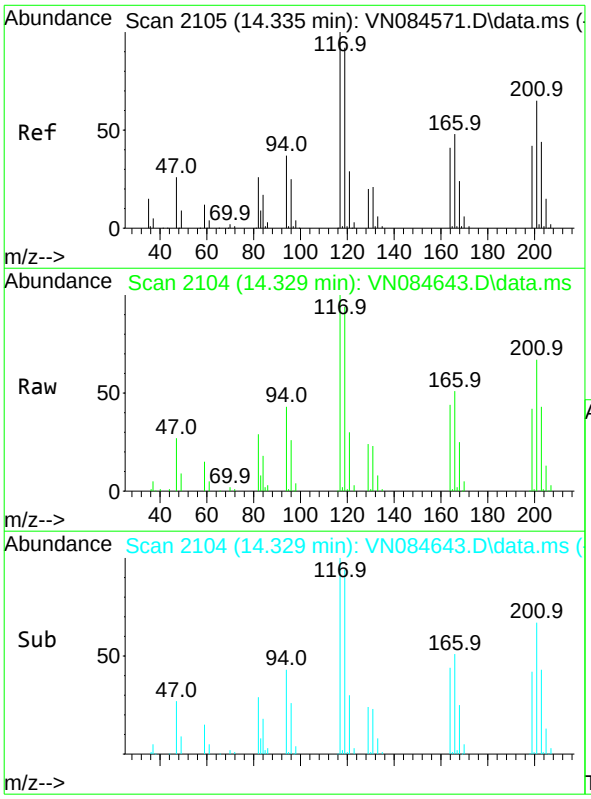
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.8	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

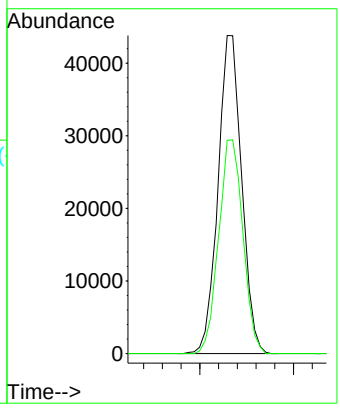
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

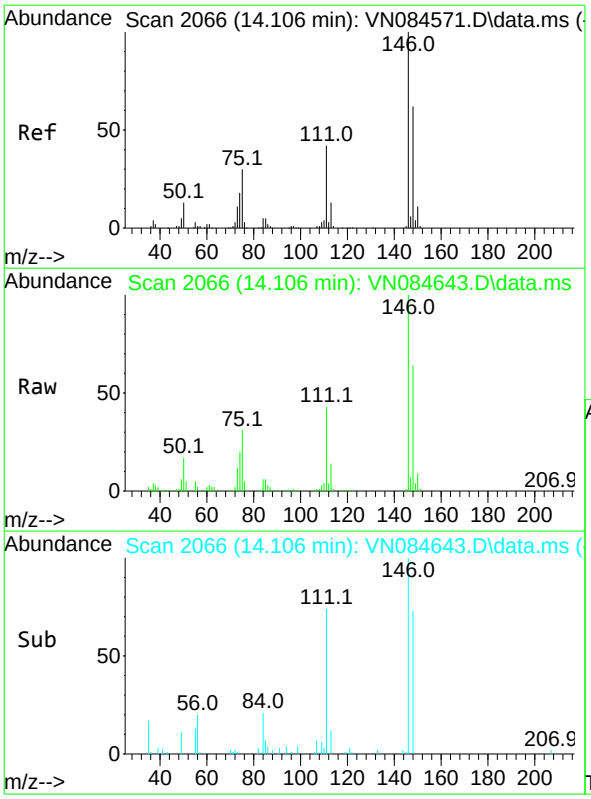


#90
Hexachloroethane
Concen: 40.948 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:117 Resp: 76738

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2

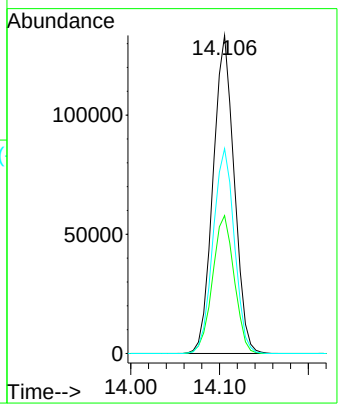




#91
1,2-Dichlorobenzene
Concen: 41.428 ug/l
RT: 14.106 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:146 Resp: 220867

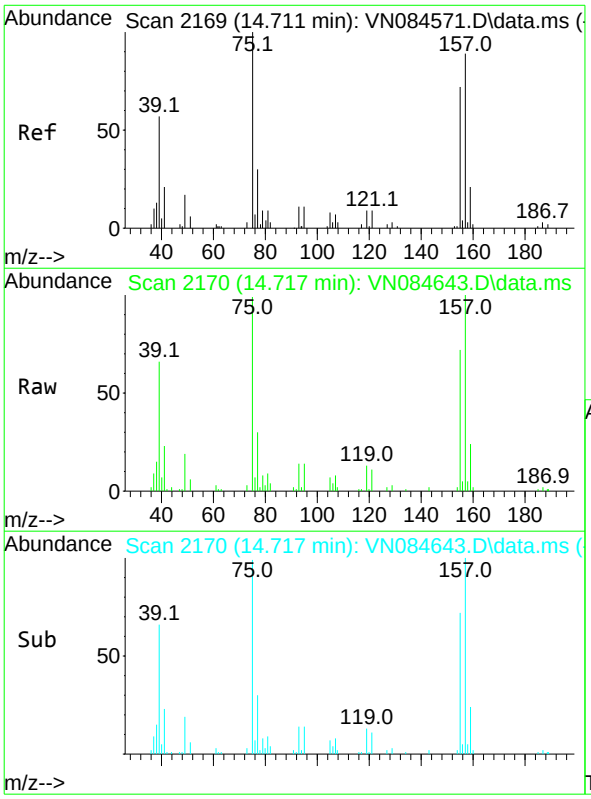
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	65.1	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

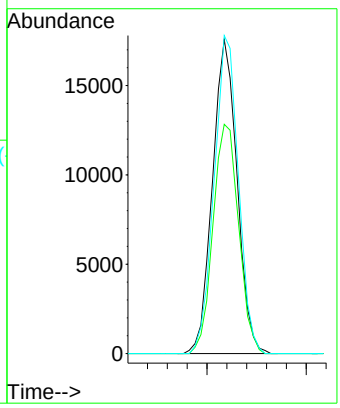
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

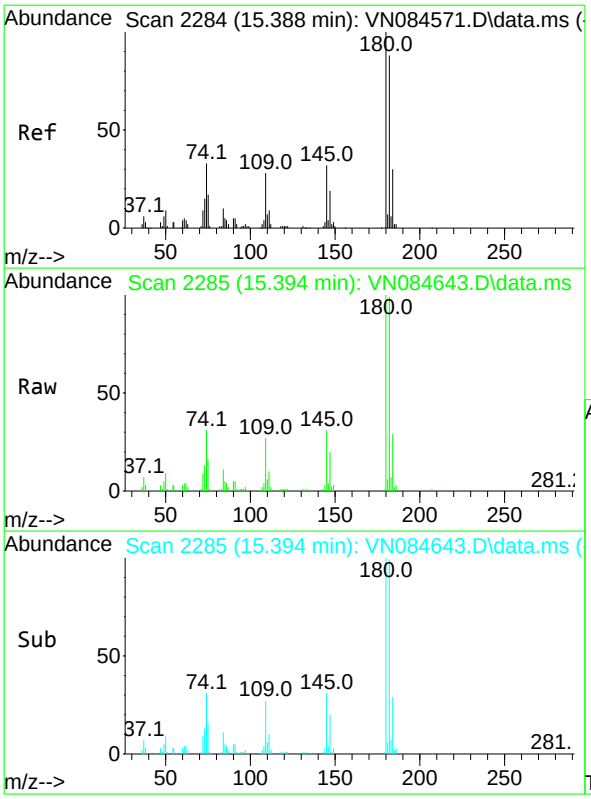


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.277 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 30232

Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.1	114.5
157	99.7	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 36.821 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

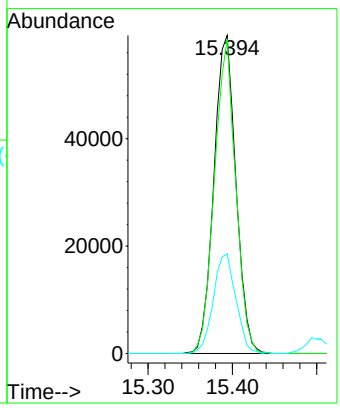
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

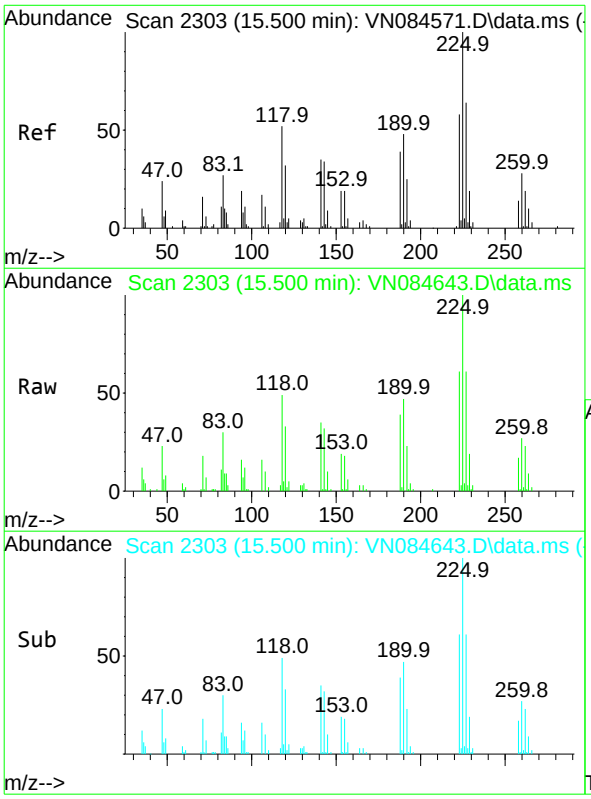
Tgt Ion:180 Resp: 107448

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	32.2	16.4	49.4

Manual Integrations
APPROVED

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

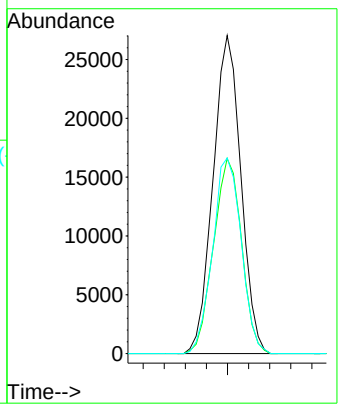


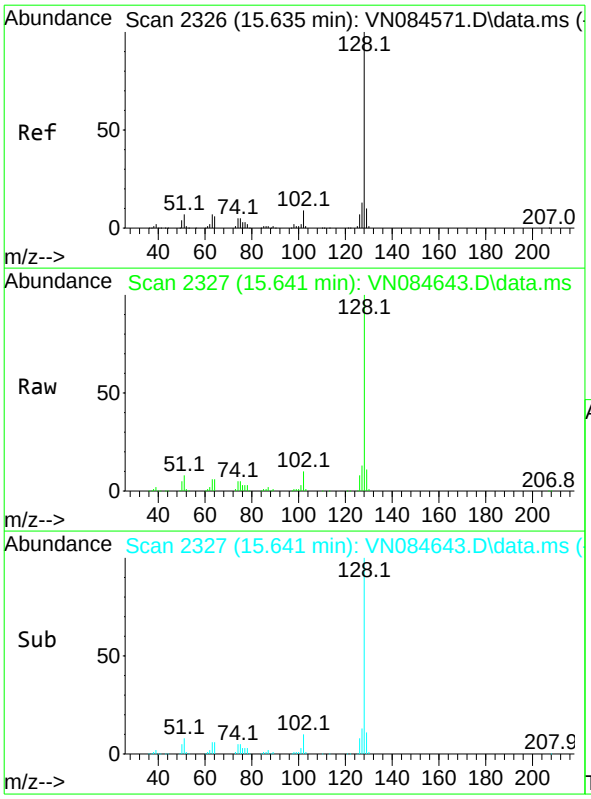


#94
Hexachlorobutadiene
Concen: 38.689 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:225 Resp: 49579

Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.2
227	63.1	32.4	97.0





#95
Naphthalene
Concen: 40.533 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

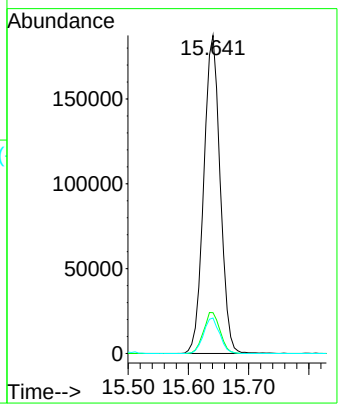
Tgt Ion:128 Resp: 354038

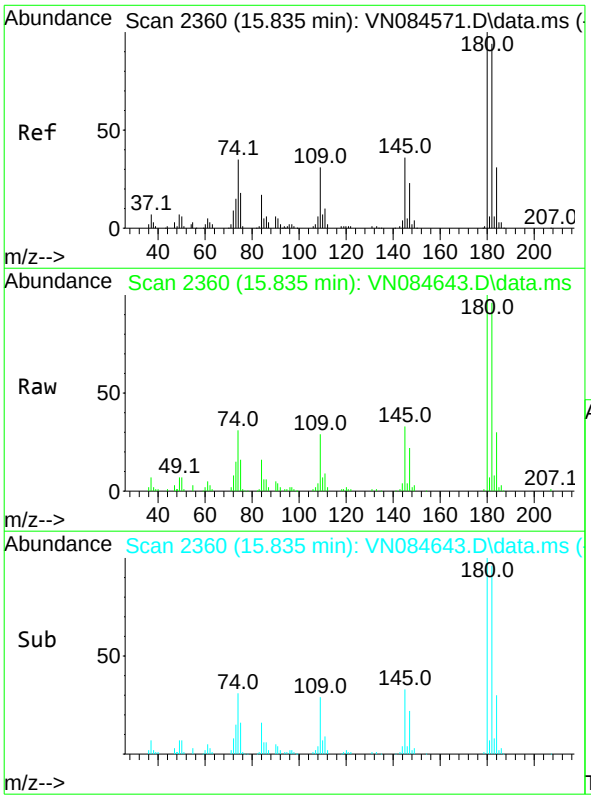
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

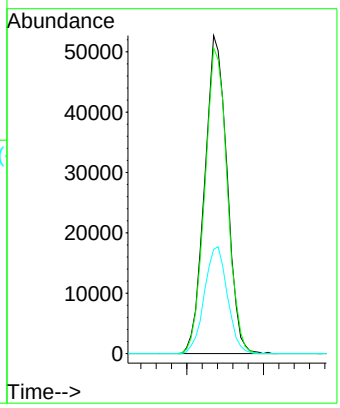




#96
1,2,3-Trichlorobenzene
Concen: 37.587 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:180 Resp: 106474

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	34.6	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	0.575	0.514	10.6	93	0.00
3	P	Chloromethane	0.952	0.561	41.1#	83	0.00
4	C	Vinyl Chloride	0.618	0.546	11.7#	90	0.00
5	T	Bromomethane	0.328	0.284	13.4	96	-0.05
6	T	Chloroethane	0.488	0.367	24.8	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.913	10.3	95	-0.03
8	T	Diethyl Ether	0.359	0.328	8.6	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.529	8.0	95	-0.02
10	T	Methyl Iodide	0.769	0.706	8.2	96	-0.02
11	T	Tert butyl alcohol	0.095	0.087	8.4	101	0.02
12	CM	1,1-Dichloroethene	0.569	0.500	12.1#	93	-0.02
13	T	Acrolein	0.095	0.106	-11.6	120	0.00
14	T	Allyl chloride	0.923	0.871	5.6	95	-0.02
15	T	Acrylonitrile	0.276	0.277	-0.4	102	0.00
16	T	Acetone	0.238	0.247	-3.8	121	0.00
17	T	Carbon Disulfide	1.753	1.430	18.4	89	-0.01
18	T	Methyl Acetate	1.172	0.695	40.7#	93	0.00
19	T	Methyl tert-butyl Ether	1.745	1.731	0.8	98	0.00
20	T	Methylene Chloride	0.635	0.579	8.8	96	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.534	8.7	95	-0.01
22	T	Diisopropyl ether	1.835	1.795	2.2	97	0.00
23	T	Vinyl Acetate	1.265	1.293	-2.2	99	0.00
24	P	1,1-Dichloroethane	1.102	1.038	5.8	97	0.00
25	T	2-Butanone	0.337	0.364	-8.0	115	0.00
26	T	2,2-Dichloropropane	0.959	0.899	6.3	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.637	6.7	96	0.00
28	T	Bromochloromethane	0.439	0.531	-21.0	104	0.00
29	T	Tetrahydrofuran	0.224	0.234	-4.5	105	0.00
30	C	Chloroform	1.121	1.072	4.4#	99	0.00
31	T	Cyclohexane	0.997	0.871	12.6	93	0.00
32	T	1,1,1-Trichloroethane	1.021	0.952	6.8	96	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.639	11.5	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.338	0.309	8.6	90	0.00
36	T	1,1-Dichloropropene	0.469	0.440	6.2	98	0.00
37	T	Ethyl Acetate	0.426	0.428	-0.5	102	0.00
38	T	Carbon Tetrachloride	0.525	0.494	5.9	97	0.00
39	T	Methylcyclohexane	0.478	0.469	1.9	93	0.00
40	TM	Benzene	1.507	1.406	6.7	98	0.00
41	T	Methacrylonitrile	0.229	0.245	-7.0	100	0.00
42	TM	1,2-Dichloroethane	0.488	0.463	5.1	94	0.00
43	T	Isopropyl Acetate	0.927	0.757	18.3	101	0.00
44	TM	Trichloroethene	0.348	0.312	10.3	94	0.00
45	C	1,2-Dichloropropane	0.354	0.338	4.5#	98	0.00
46	T	Dibromomethane	0.250	0.238	4.8	98	0.00
47	T	Bromodichloromethane	0.526	0.504	4.2	97	0.00
48	T	Methyl methacrylate	0.331	0.346	-4.5	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

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	109	0.00
50	S	Toluene-d8	1.247	1.142	8.4	88	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.443	-9.1	105	0.00
52	CM	Toluene	0.882	0.867	1.7#	97	0.00
53	T	t-1,3-Dichloropropene	0.544	0.504	7.4	93	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.541	6.1	94	0.00
55	T	1,1,2-Trichloroethane	0.332	0.328	1.2	100	0.00
56	T	Ethyl methacrylate	0.480	0.530	-10.4	99	0.00
57	T	1,3-Dichloropropane	0.570	0.554	2.8	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.274	-21.8	105	0.00
59	T	2-Hexanone	0.296	0.332	-12.2	107	0.00
60	T	Dibromochloromethane	0.378	0.383	-1.3	98	0.00
61	T	1,2-Dibromoethane	0.340	0.326	4.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.447	4.1	91	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.300	9.9	99	0.00
65	PM	Chlorobenzene	1.119	0.998	10.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.357	8.2	99	0.00
67	C	Ethyl Benzene	1.867	1.760	5.7#	97	0.00
68	T	m/p-Xylenes	0.707	0.681	3.7	97	0.00
69	T	o-Xylene	0.661	0.650	1.7	98	0.00
70	T	Styrene	1.154	1.140	1.2	98	0.00
71	P	Bromoform	0.293	0.285	2.7	101	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.504	3.160	9.8	97	0.00
74	T	N-amyl acetate	1.491	1.401	6.0	100	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.019	12.9	104	0.00
76	T	1,2,3-Trichloropropane	0.999	0.954	4.5	117	0.00
77	T	Bromobenzene	0.942	0.783	16.9	97	0.00
78	T	n-propylbenzene	4.106	3.723	9.3	96	0.00
79	T	2-Chlorotoluene	2.683	2.344	12.6	98	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.752	5.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.365	13.3	99	0.00
82	T	4-Chlorotoluene	2.823	2.376	15.8	95	0.00
83	T	tert-Butylbenzene	2.403	2.322	3.4	100	0.00
84	T	1,2,4-Trimethylbenzene	2.997	2.808	6.3	97	0.00
85	T	sec-Butylbenzene	3.395	3.151	7.2	97	0.00
86	T	p-Isopropyltoluene	2.784	2.671	4.1	96	0.00
87	T	1,3-Dichlorobenzene	1.838	1.473	19.9	96	0.00
88	T	1,4-Dichlorobenzene	1.937	1.473	24.0	96	0.00
89	T	n-Butylbenzene	2.605	2.224	14.6	93	0.00
90	T	Hexachloroethane	0.621	0.509	18.0	94	0.00
91	T	1,2-Dichlorobenzene	1.766	1.464	17.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.200	15.6	101	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.712	26.4#	90	0.00
94	T	Hexachlorobutadiene	0.425	0.329	22.6	97	0.00
95	T	Naphthalene	2.894	2.346	18.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

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	0.706	24.8	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	50.000	44.693	10.6	93	0.00
3	P	Chloromethane	50.000	41.162	17.7	83	0.00
4	C	Vinyl Chloride	50.000	44.198	11.6#	90	0.00
5	T	Bromomethane	50.000	43.296	13.4	96	-0.05
6	T	Chloroethane	50.000	47.878	4.2	97	-0.05
7	T	Trichlorofluoromethane	50.000	44.844	10.3	95	-0.03
8	T	Diethyl Ether	50.000	45.608	8.8	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.999	8.0	95	-0.02
10	T	Methyl Iodide	50.000	45.911	8.2	96	-0.02
11	T	Tert butyl alcohol	250.000	228.837	8.5	101	0.02
12	CM	1,1-Dichloroethene	50.000	43.875	12.3#	93	-0.02
13	T	Acrolein	250.000	277.733	-11.1	120	0.00
14	T	Allyl chloride	50.000	47.184	5.6	95	-0.02
15	T	Acrylonitrile	250.000	251.237	-0.5	102	0.00
16	T	Acetone	250.000	296.026	-18.4	121	0.00
17	T	Carbon Disulfide	50.000	40.777	18.4	89	-0.01
18	T	Methyl Acetate	50.000	45.245	9.5	93	0.00
19	T	Methyl tert-butyl Ether	50.000	49.590	0.8	98	0.00
20	T	Methylene Chloride	50.000	45.606	8.8	96	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.684	8.6	95	-0.01
22	T	Diisopropyl ether	50.000	48.902	2.2	97	0.00
23	T	Vinyl Acetate	250.000	255.447	-2.2	99	0.00
24	P	1,1-Dichloroethane	50.000	47.100	5.8	97	0.00
25	T	2-Butanone	250.000	269.898	-8.0	115	0.00
26	T	2,2-Dichloropropane	50.000	46.857	6.3	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.674	6.7	96	0.00
28	T	Bromochloromethane	50.000	60.545	-21.1	104	0.00
29	T	Tetrahydrofuran	250.000	261.234	-4.5	105	0.00
30	C	Chloroform	50.000	47.816	4.4#	99	0.00
31	T	Cyclohexane	50.000	43.702	12.6	93	0.00
32	T	1,1,1-Trichloroethane	50.000	46.667	6.7	96	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.214	11.6	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	45.633	8.7	90	0.00
36	T	1,1-Dichloropropene	50.000	46.898	6.2	98	0.00
37	T	Ethyl Acetate	50.000	50.206	-0.4	102	0.00
38	T	Carbon Tetrachloride	50.000	47.123	5.8	97	0.00
39	T	Methylcyclohexane	50.000	49.108	1.8	93	0.00
40	TM	Benzene	50.000	46.647	6.7	98	0.00
41	T	Methacrylonitrile	50.000	53.530	-7.1	100	0.00
42	TM	1,2-Dichloroethane	50.000	47.467	5.1	94	0.00
43	T	Isopropyl Acetate	50.000	48.051	3.9	101	0.00
44	TM	Trichloroethene	50.000	44.913	10.2	94	0.00
45	C	1,2-Dichloropropane	50.000	47.842	4.3#	98	0.00
46	T	Dibromomethane	50.000	47.678	4.6	98	0.00
47	T	Bromodichloromethane	50.000	47.883	4.2	97	0.00
48	T	Methyl methacrylate	50.000	52.208	-4.4	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

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	1116.514	-11.7	109	0.00
50	S	Toluene-d8	50.000	45.790	8.4	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	272.575	-9.0	105	0.00
52	CM	Toluene	50.000	49.183	1.6#	97	0.00
53	T	t-1,3-Dichloropropene	50.000	46.260	7.5	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.972	6.1	94	0.00
55	T	1,1,2-Trichloroethane	50.000	49.336	1.3	100	0.00
56	T	Ethyl methacrylate	50.000	55.207	-10.4	99	0.00
57	T	1,3-Dichloropropane	50.000	48.563	2.9	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	304.914	-22.0	105	0.00
59	T	2-Hexanone	250.000	280.493	-12.2	107	0.00
60	T	Dibromochloromethane	50.000	50.589	-1.2	98	0.00
61	T	1,2-Dibromoethane	50.000	47.989	4.0	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.985	4.0	91	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.036	9.9	99	0.00
65	PM	Chlorobenzene	50.000	44.610	10.8	98	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.897	8.2	99	0.00
67	C	Ethyl Benzene	50.000	47.126	5.7#	97	0.00
68	T	m/p-Xylenes	100.000	96.376	3.6	97	0.00
69	T	o-Xylene	50.000	49.151	1.7	98	0.00
70	T	Styrene	50.000	49.400	1.2	98	0.00
71	P	Bromoform	50.000	48.752	2.5	101	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	45.098	9.8	97	0.00
74	T	N-amyl acetate	50.000	46.982	6.0	100	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.570	12.9	104	0.00
76	T	1,2,3-Trichloropropane	50.000	47.712	4.6	117	0.00
77	T	Bromobenzene	50.000	41.565	16.9	97	0.00
78	T	n-propylbenzene	50.000	45.341	9.3	96	0.00
79	T	2-Chlorotoluene	50.000	43.676	12.6	98	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.386	5.2	98	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	43.343	13.3	99	0.00
82	T	4-Chlorotoluene	50.000	42.079	15.8	95	0.00
83	T	tert-Butylbenzene	50.000	48.297	3.4	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.843	6.3	97	0.00
85	T	sec-Butylbenzene	50.000	46.404	7.2	97	0.00
86	T	p-Isopropyltoluene	50.000	47.960	4.1	96	0.00
87	T	1,3-Dichlorobenzene	50.000	40.052	19.9	96	0.00
88	T	1,4-Dichlorobenzene	50.000	43.485	13.0	96	0.00
89	T	n-Butylbenzene	50.000	42.698	14.6	93	0.00
90	T	Hexachloroethane	50.000	40.948	18.1	94	0.00
91	T	1,2-Dichlorobenzene	50.000	41.428	17.1	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.277	15.4	101	0.00
93	T	1,2,4-Trichlorobenzene	50.000	36.821	26.4#	90	0.00
94	T	Hexachlorobutadiene	50.000	38.689	22.6	97	0.00
95	T	Naphthalene	50.000	40.533	18.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
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 04 04:30:30 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

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	37.587	24.8	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

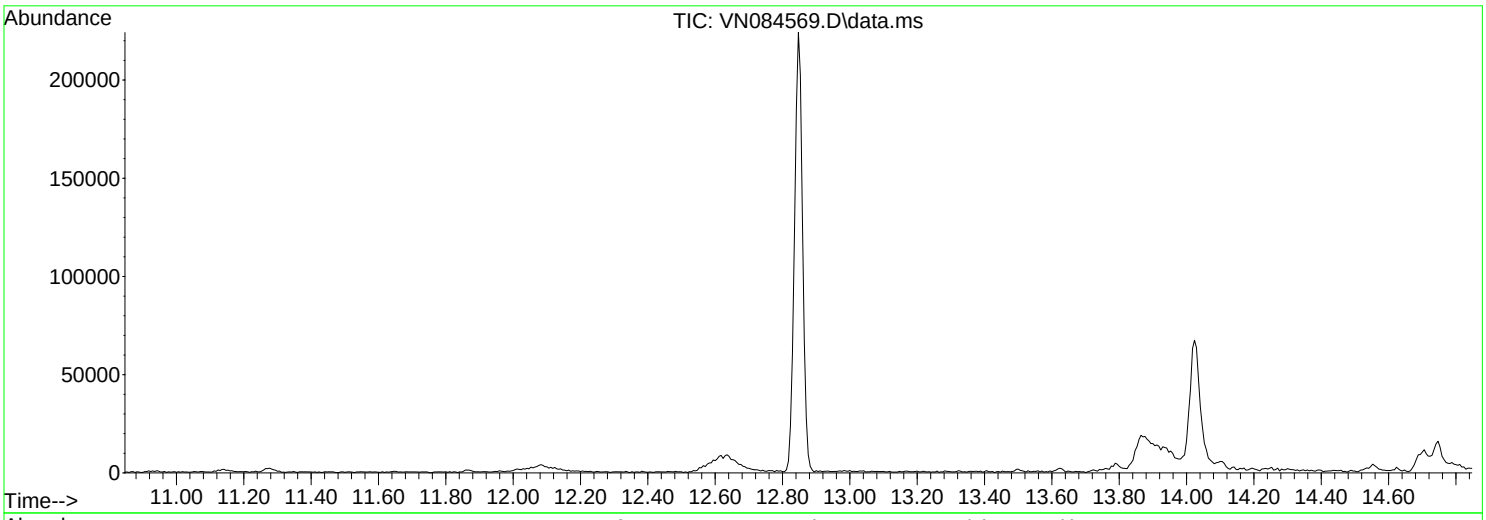
QC SAMPLE DATA

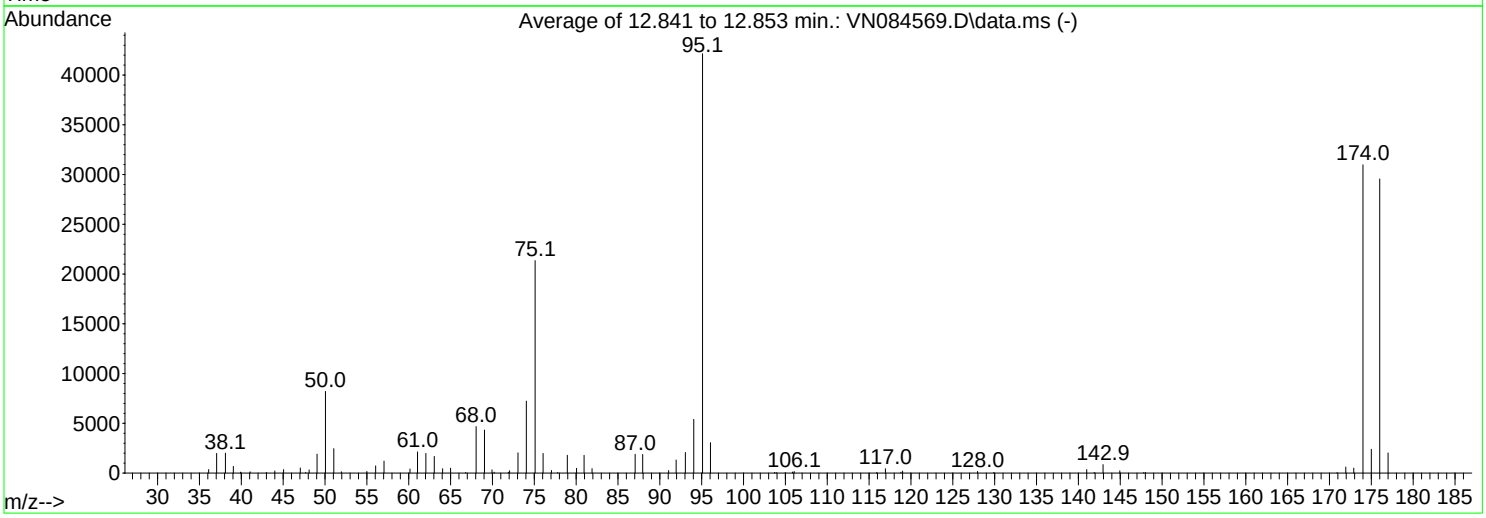
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

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

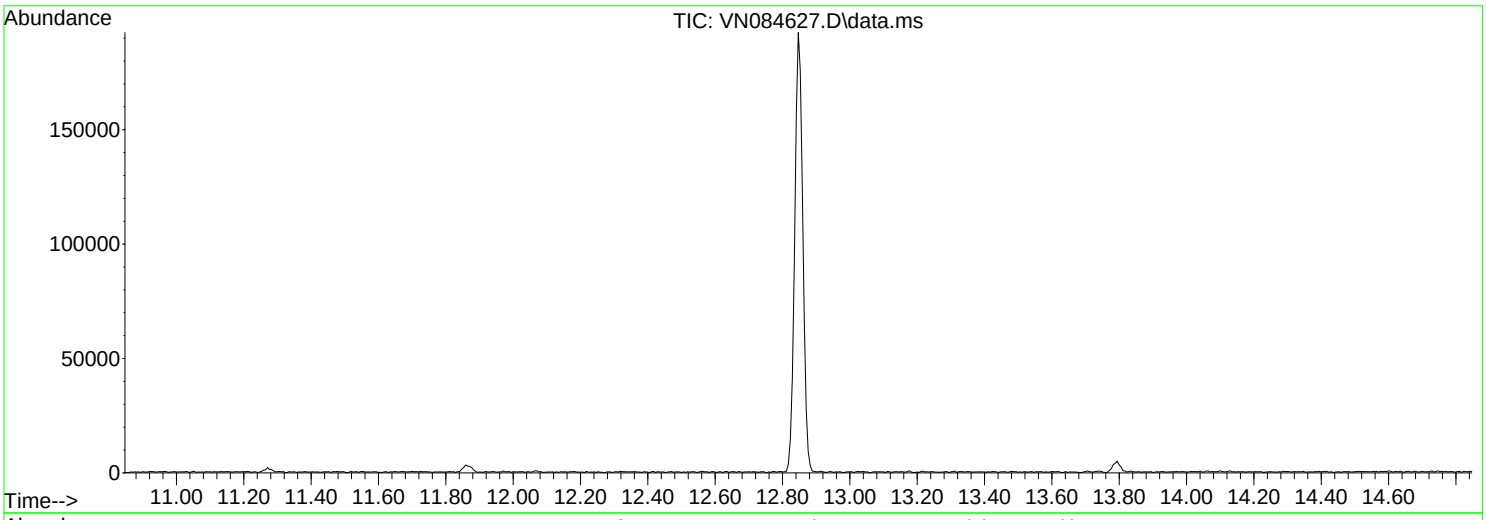
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

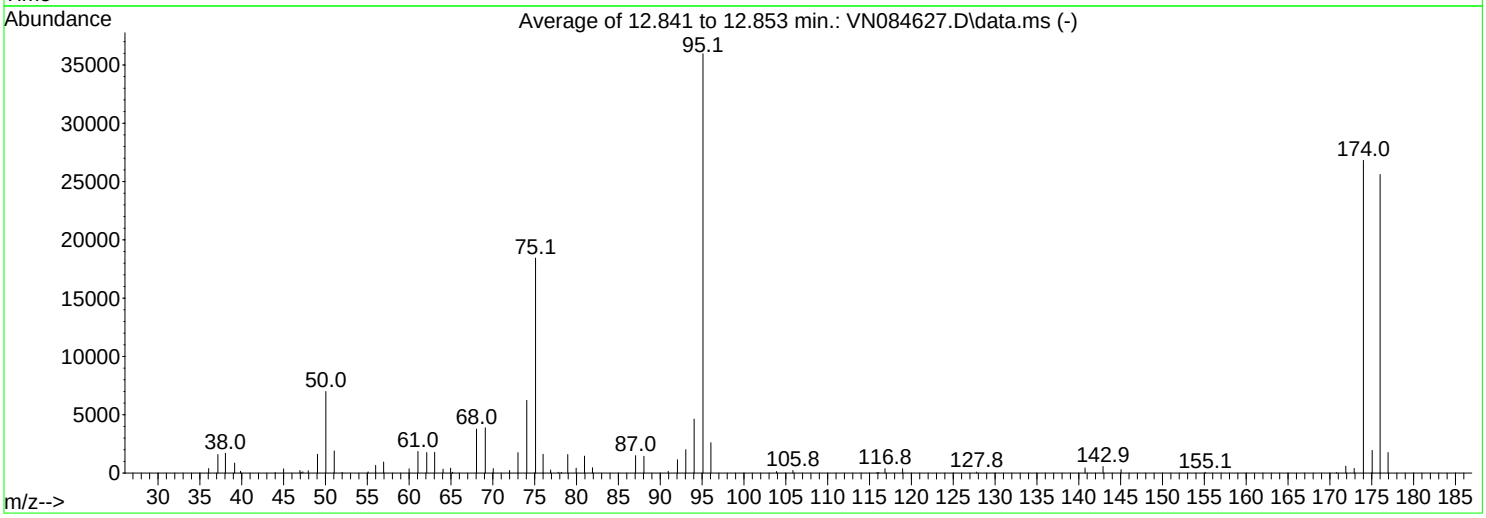
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084627.D
Acq On : 01 Nov 2024 09:48
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 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	7000	PASS
75	95	30	60	51.3	18438	PASS
95	95	100	100	100.0	35963	PASS
96	95	5	9	7.2	2604	PASS
173	174	0.00	2	1.5	400	PASS
174	95	50	100	74.6	26821	PASS
175	174	5	9	7.2	1944	PASS
176	174	95	101	95.5	25611	PASS
177	176	5	9	6.9	1760	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:	VN1101WBL01	SDG No.:	P4665
Lab Sample ID:	VN1101WBL01	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
VN084630.D	1		11/01/24 11:29	VN110124

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:	VN1101WBL01	SDG No.:	P4665
Lab Sample ID:	VN1101WBL01	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
VN084630.D	1		11/01/24 11:29	VN110124

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	51.6		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	47.4		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	8.224				
540-36-3	1,4-Difluorobenzene	319000	9.1				
3114-55-4	Chlorobenzene-d5	286000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Quant Time: Nov 04 04:23:48 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

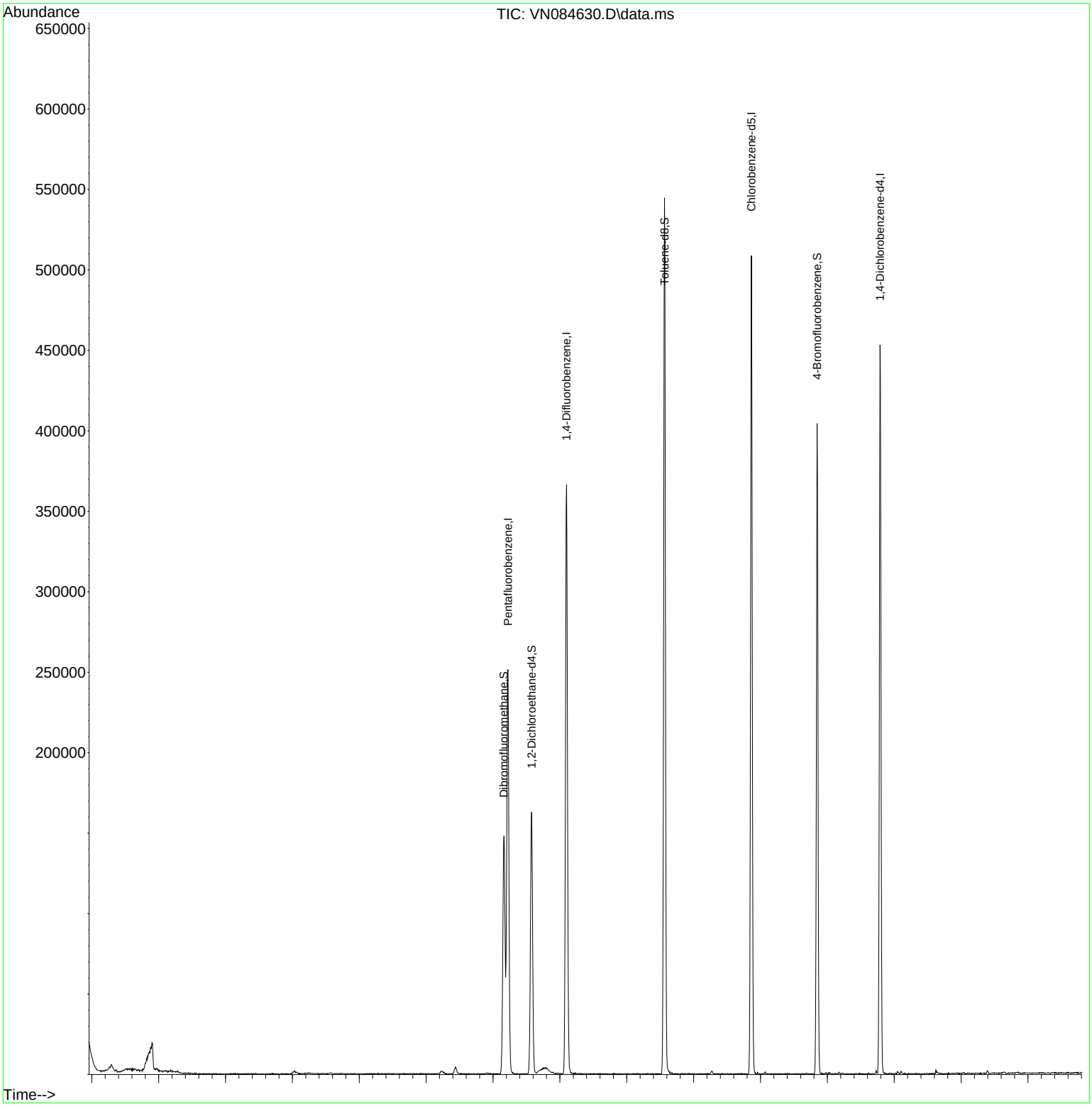
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	134085	51.565	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.120%			
35) Dibromofluoromethane	8.159	113	107465	49.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	376240	47.365	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.740%			
62) 4-Bromofluorobenzene	12.847	95	139006	46.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.640%			
Target Compounds						Qvalue

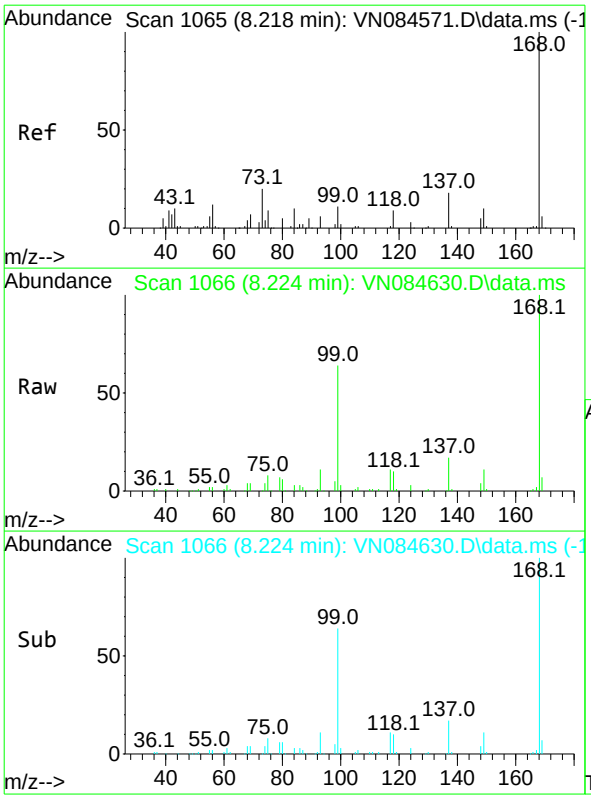
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Quant Time: Nov 04 04:23:48 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



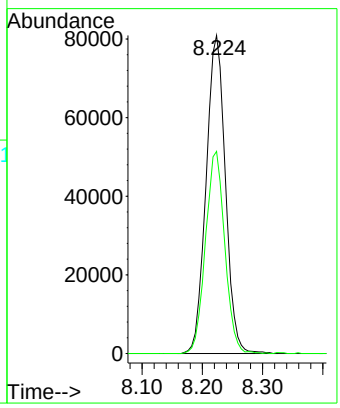


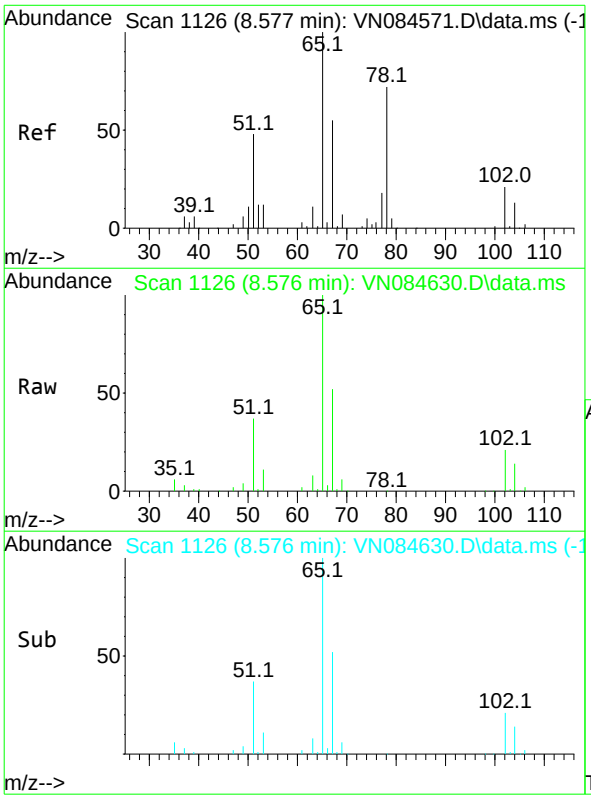
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Tgt Ion:168 Resp: 180035

Ion	Ratio	Lower	Upper
168	100		
99	63.5	54.2	81.2

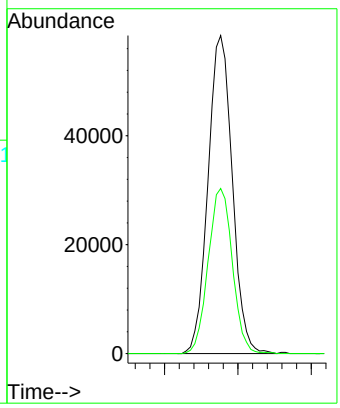


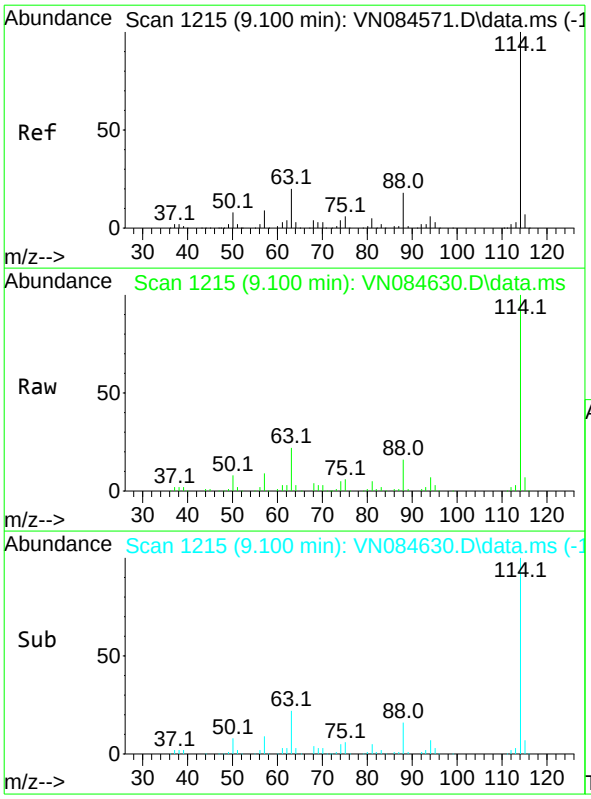


#33
1,2-Dichloroethane-d4
Concen: 51.565 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.001 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion: 65 Resp: 134085

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



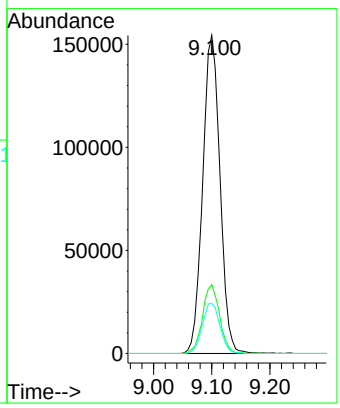


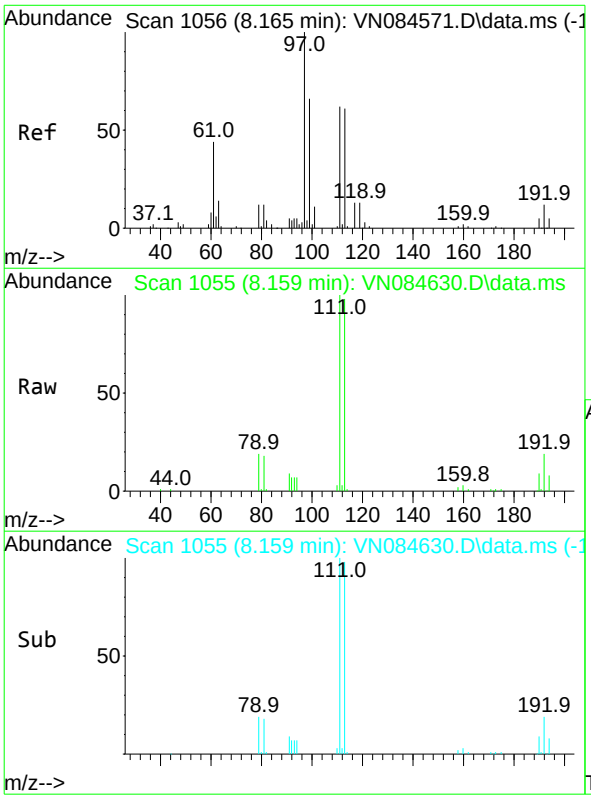
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Tgt Ion:114 Resp: 318575

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	15.7	0.0	31.6

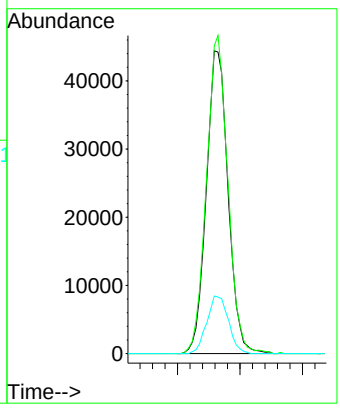


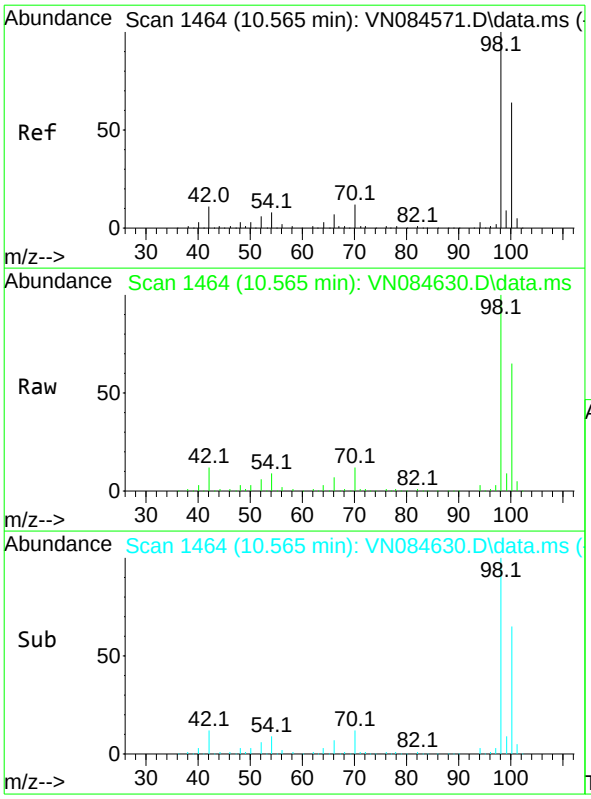


#35
Dibromofluoromethane
Concen: 49.836 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion:113 Resp: 107465

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



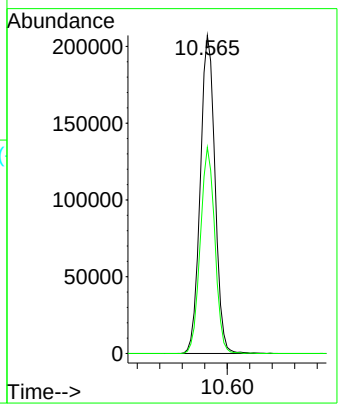


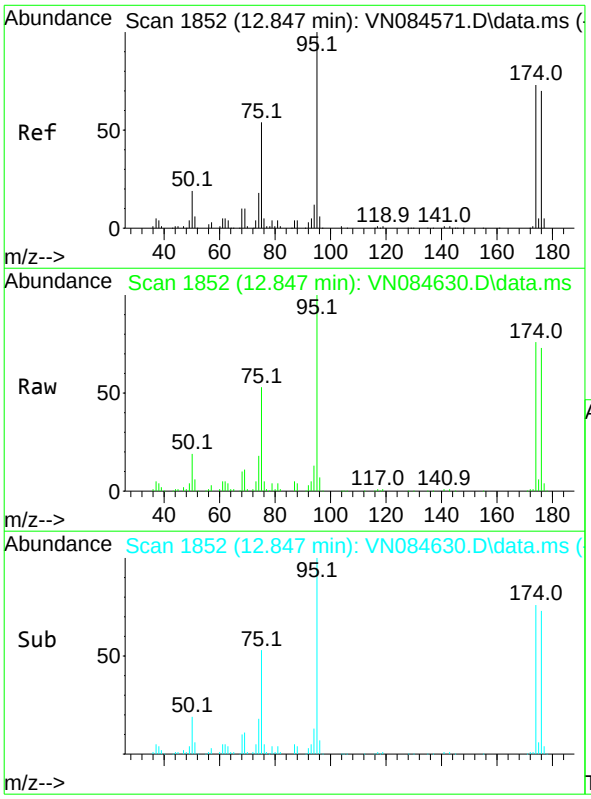
#50
Toluene-d8
Concen: 47.365 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Tgt Ion: 98 Resp: 376240

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.7	79.1

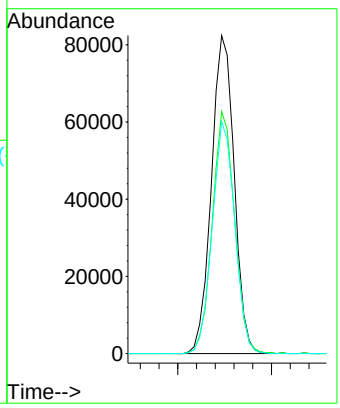


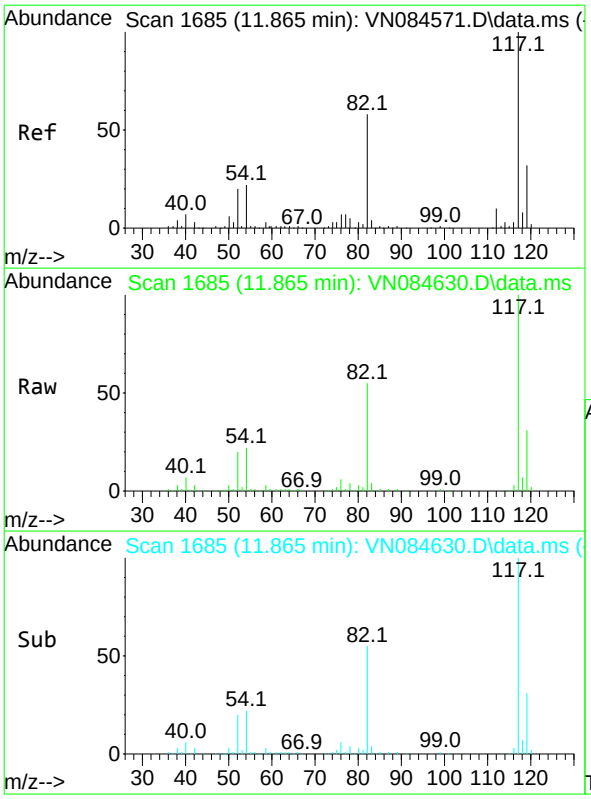


#62
4-Bromofluorobenzene
Concen: 46.824 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion: 95 Resp: 139006

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	72.2	0.0	140.0



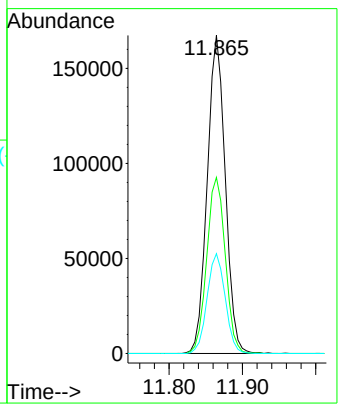


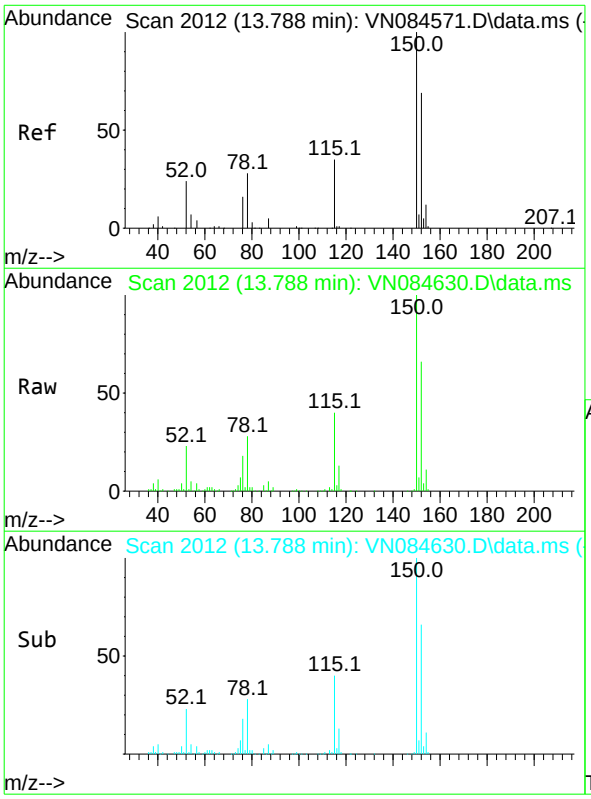
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Tgt Ion:117 Resp: 285991

Ion	Ratio	Lower	Upper
117	100		
82	55.4	47.2	70.8
119	31.4	25.4	38.0

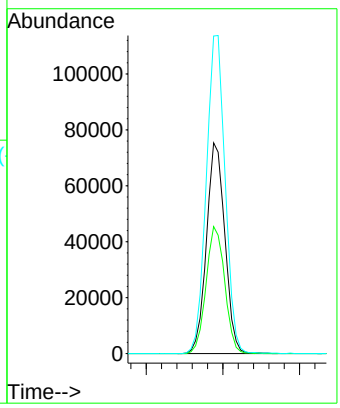




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084630.D
Acq: 01 Nov 2024 11:29

Tgt Ion:152 Resp: 125664

Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.3	93.9
150	154.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

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: VN084630.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.900	159	161	167	rVB2	16708	23699	2.40%	0.443%
2	7.441	924	933	940	rBV2	4311	10250	1.04%	0.191%
3	8.165	1046	1056	1060	rBV	148145	346437	35.10%	6.469%
4	8.224	1060	1066	1077	rVB	250837	566865	57.43%	10.586%
5	8.576	1116	1126	1139	rBV	162571	362771	36.76%	6.774%
6	9.100	1205	1215	1225	rBV	366220	754715	76.47%	14.093%
7	10.565	1455	1464	1477	rBV	544611	986986	100.00%	18.431%
8	11.865	1677	1685	1696	rBV	508549	878010	88.96%	16.396%
9	12.847	1845	1852	1862	rBV	404332	664162	67.29%	12.402%
10	13.788	2005	2012	2023	rVB	452800	761197	77.12%	14.214%

Sum of corrected areas: 5355092

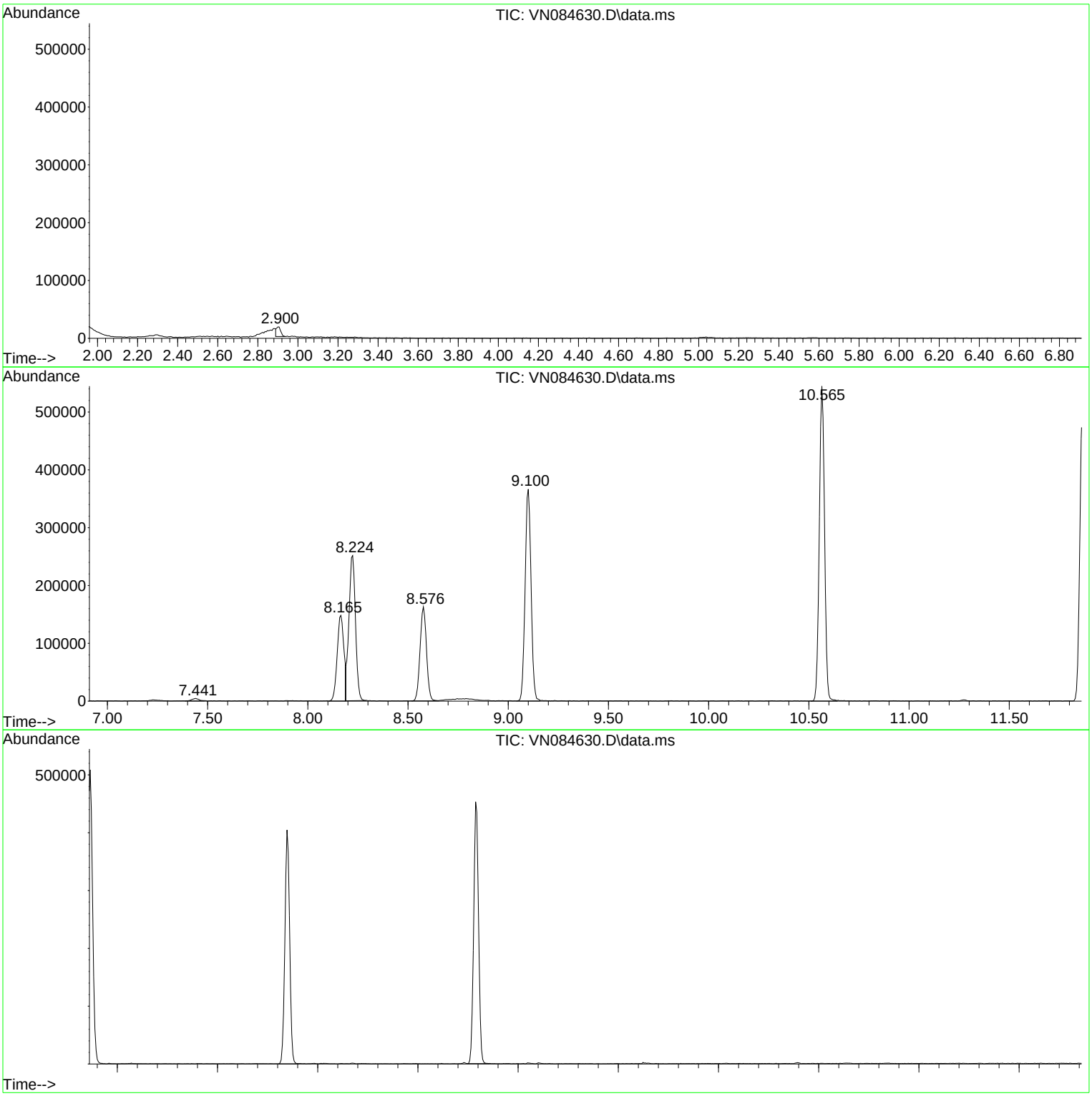
Sample Results: **VN084630.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

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\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

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\VN110124\
Data File : VN084630.D
Acq On : 01 Nov 2024 11:29
Operator : JC\MD
Sample : VN1101WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

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:	VN1101WBS01	SDG No.:	P4665
Lab Sample ID:	VN1101WBS01	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
VN084631.D	1		11/01/24 12:08	VN110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.4		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		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	18.2		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	96.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	96.7		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.1		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		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:	VN1101WBS01	SDG No.:	P4665
Lab Sample ID:	VN1101WBS01	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
VN084631.D	1		11/01/24 12:08	VN110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.3		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.6		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	18.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	0.50	1.00	ug/L
100-42-5	Styrene	19.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		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	16.8		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.3		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.0		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	44.3		81 - 118		89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		80 - 119		90%	SPK: 50
2037-26-5	Toluene-d8	46.1		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		85 - 114		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	191000	8.224				
540-36-3	1,4-Difluorobenzene	320000	9.1				
3114-55-4	Chlorobenzene-d5	288000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	147000	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\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:24:13 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

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	190995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122248	44.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.640%			
35) Dibromofluoromethane	8.165	113	97927	45.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.300%			
50) Toluene-d8	10.565	98	368236	46.086	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.180%			
62) 4-Bromofluorobenzene	12.847	95	140490	47.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42141	19.193	ug/l	100
3) Chloromethane	2.359	50	46710	16.439	ug/l	100
4) Vinyl Chloride	2.507	62	44544	18.862	ug/l	97
5) Bromomethane	2.901	94	22475	17.963	ug/l	97
6) Chloroethane	3.077	64	27854	18.166	ug/l	99
7) Trichlorofluoromethane	3.471	101	73135	18.800	ug/l	91
8) Diethyl Ether	3.959	74	24492	17.848	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	42530	19.348	ug/l	97
10) Methyl Iodide	4.583	142	53226	18.118	ug/l	96
11) Tert butyl alcohol	5.542	59	31560	86.672	ug/l	97
12) 1,1-Dichloroethene	4.330	96	38487	17.695	ug/l	98
13) Acrolein	4.177	56	36832	101.438	ug/l	98
14) Allyl chloride	5.018	41	65987	18.707	ug/l	91
15) Acrylonitrile	5.718	53	103209	97.908	ug/l	98
16) Acetone	4.436	43	77869	95.962	ug/l	97
17) Carbon Disulfide	4.700	76	112044	16.728	ug/l	98
18) Methyl Acetate	5.024	43	54615	16.052	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	127569	19.135	ug/l	94
20) Methylene Chloride	5.271	84	46004	18.961	ug/l	82
21) trans-1,2-Dichloroethene	5.777	96	41275	18.481	ug/l	96
22) Diisopropyl ether	6.671	45	136454	19.469	ug/l	98
23) Vinyl Acetate	6.600	43	469366	97.108	ug/l	97
24) 1,1-Dichloroethane	6.565	63	80215	19.063	ug/l	98
25) 2-Butanone	7.477	43	124468	96.713	ug/l	98
26) 2,2-Dichloropropane	7.489	77	70266	19.185	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	48039	18.421	ug/l	98
28) Bromochloromethane	7.806	49	36023	21.487	ug/l	93
29) Tetrahydrofuran	7.836	42	84907	99.446	ug/l	97
30) Chloroform	7.965	83	83941	19.599	ug/l	97
31) Cyclohexane	8.253	56	69789	18.324	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	75478	19.362	ug/l	98
36) 1,1-Dichloropropene	8.365	75	54975	18.275	ug/l	99
37) Ethyl Acetate	7.559	43	55210	20.228	ug/l	97
38) Carbon Tetrachloride	8.359	117	66382	19.742	ug/l	98
39) Methylcyclohexane	9.600	83	56415	18.434	ug/l	98
40) Benzene	8.606	78	181197	18.756	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:24:13 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

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	30555	20.818 ug/l		97
42) 1,2-Dichloroethane	8.665	62	60923	19.472 ug/l		100
43) Isopropyl Acetate	8.688	43	91436	17.507 ug/l		97
44) Trichloroethene	9.347	130	41099	18.446 ug/l		100
45) 1,2-Dichloropropane	9.618	63	43224	19.073 ug/l		99
46) Dibromomethane	9.706	93	30391	19.005 ug/l		96
47) Bromodichloromethane	9.888	83	64821	19.230 ug/l	#	96
48) Methyl methacrylate	9.677	41	42680	20.092 ug/l		98
49) 1,4-Dioxane	9.694	88	15461	410.740 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	272747	104.826 ug/l		99
52) Toluene	10.630	92	113778	20.137 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	61679	17.677 ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	69008	18.686 ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	42540	19.987 ug/l		95
56) Ethyl methacrylate	10.877	69	62329	20.246 ug/l		97
57) 1,3-Dichloropropane	11.159	76	71264	19.510 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137645	95.550 ug/l		99
59) 2-Hexanone	11.194	43	201434	106.361 ug/l		99
60) Dibromochloromethane	11.359	129	49329	20.336 ug/l		100
61) 1,2-Dibromoethane	11.465	107	41441	19.014 ug/l		100
64) Tetrachloroethene	11.106	164	35660	18.628 ug/l		99
65) Chlorobenzene	11.888	112	117685	18.278 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	42403	18.934 ug/l		99
67) Ethyl Benzene	11.965	91	202367	18.829 ug/l		98
68) m/p-Xylenes	12.071	106	158415	38.934 ug/l		99
69) o-Xylene	12.394	106	75949	19.953 ug/l		98
70) Styrene	12.412	104	128771	19.394 ug/l		99
71) Bromoform	12.576	173	31965	18.968 ug/l	#	97
73) Isopropylbenzene	12.694	105	190126	18.450 ug/l		99
74) N-amyl acetate	12.494	43	79438	18.112 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	62261	18.101 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	49964m	16.997 ug/l		
77) Bromobenzene	12.982	156	48929	17.662 ug/l		93
78) n-propylbenzene	13.035	91	220072	18.224 ug/l		98
79) 2-Chlorotoluene	13.123	91	145506	18.441 ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	164177	19.222 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	24782	20.001 ug/l	#	84
82) 4-Chlorotoluene	13.218	91	146733	17.670 ug/l		98
83) tert-Butylbenzene	13.435	119	138949	19.657 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169251	19.200 ug/l		99
85) sec-Butylbenzene	13.618	105	185297	18.558 ug/l		100
86) p-Isopropyltoluene	13.729	119	157950	19.288 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	91095	16.849 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	89211	17.266 ug/l		99
89) n-Butylbenzene	14.059	91	126030	16.453 ug/l		99
90) Hexachloroethane	14.335	117	31832	17.431 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	88346	17.005 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12487	17.920 ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	41786	14.695 ug/l		98
94) Hexachlorobutadiene	15.500	225	19729	15.799 ug/l		98
95) Naphthalene	15.641	128	130709	15.357 ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	42159	15.273 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:24:13 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

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

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

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

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

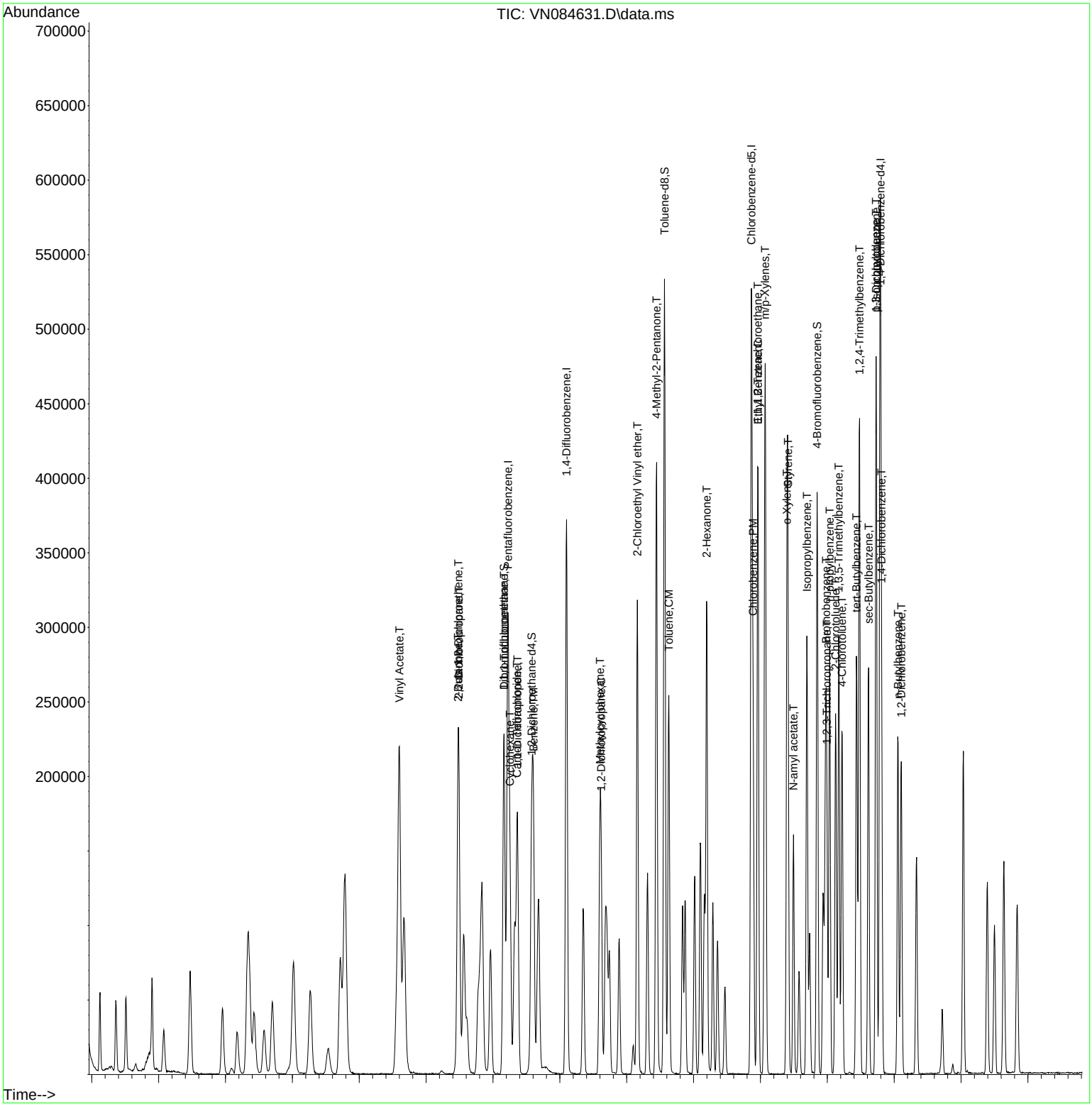
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

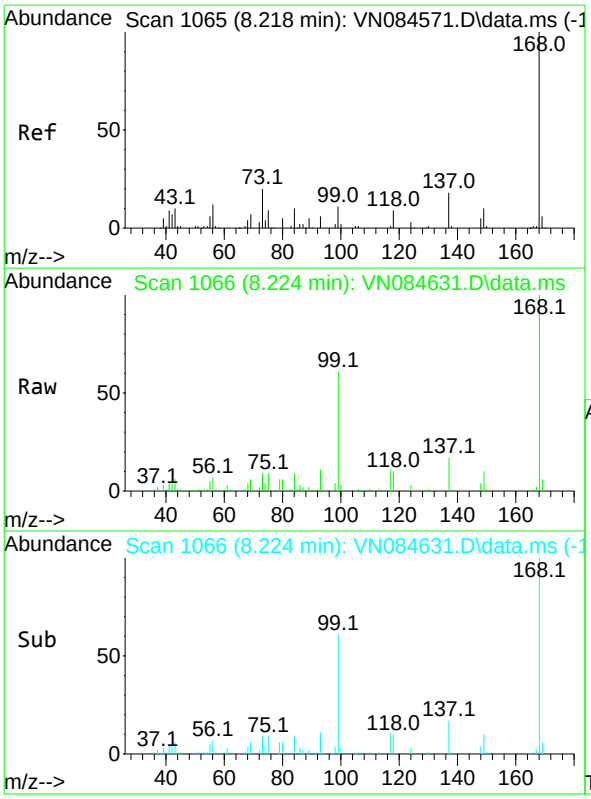
Quant Time: Nov 04 04:24:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

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

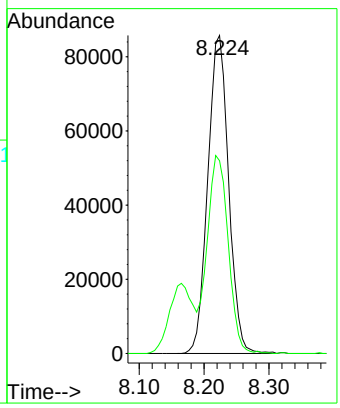




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:168 Resp: 190995

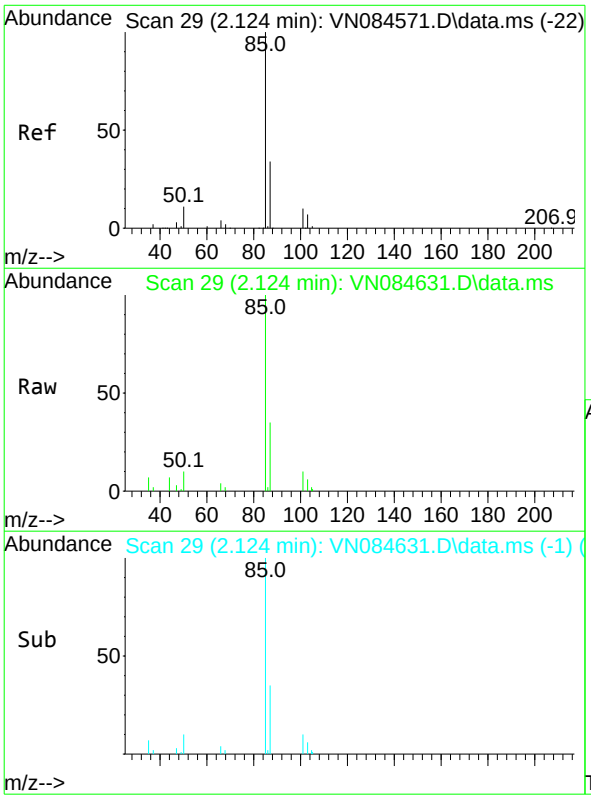
Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

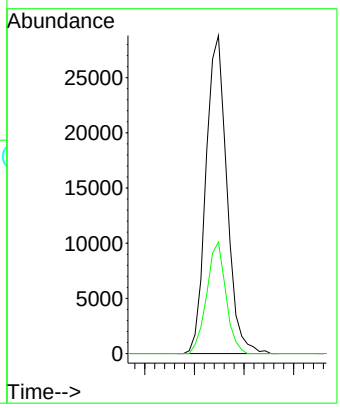
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

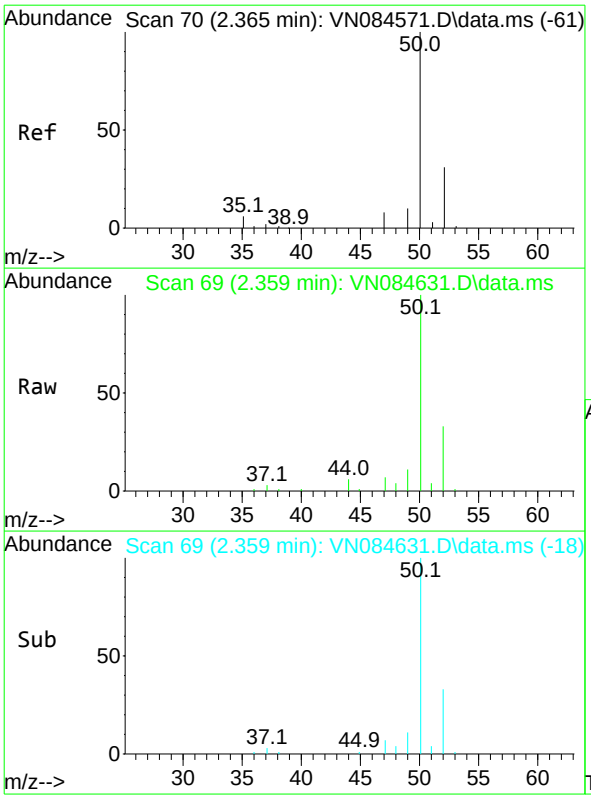


#2
Dichlorodifluoromethane
Concen: 19.193 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 85 Resp: 42141

Ion	Ratio	Lower	Upper
85	100		
87	35.1	17.6	52.9

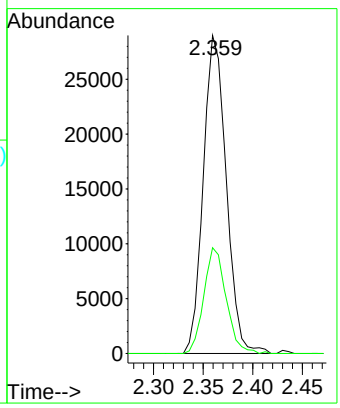




#3
Chloromethane
Concen: 16.439 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 50 Resp: 46710

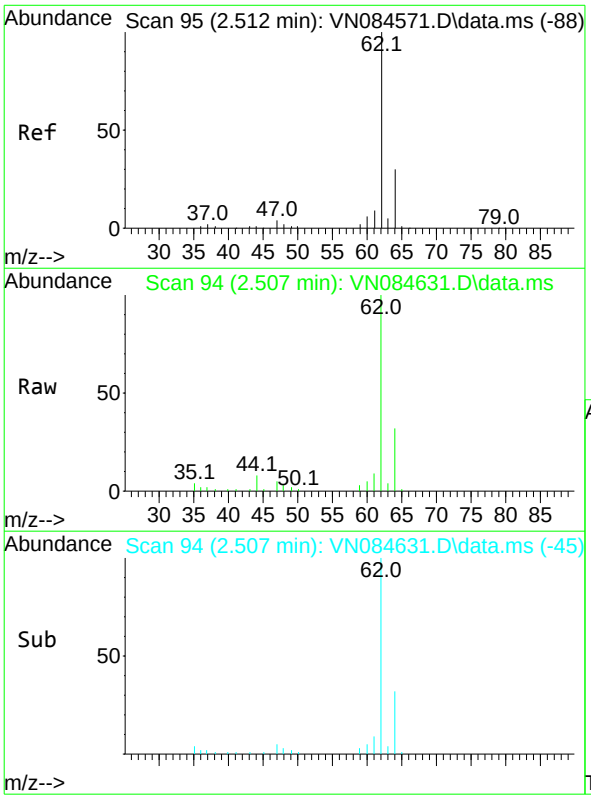
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

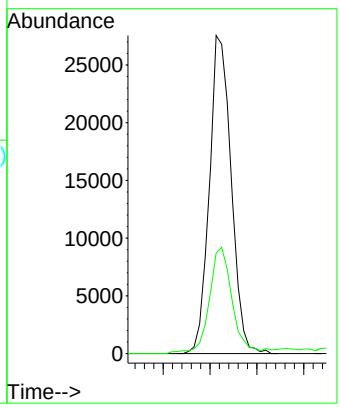
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

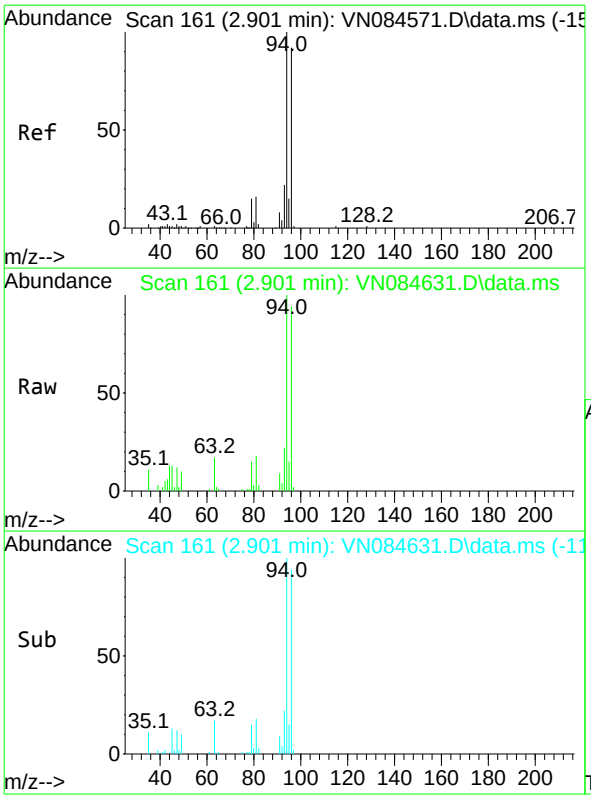


#4
Vinyl Chloride
Concen: 18.862 ug/l
RT: 2.507 min Scan# 94
Delta R.T. -0.011 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 62 Resp: 44544

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4

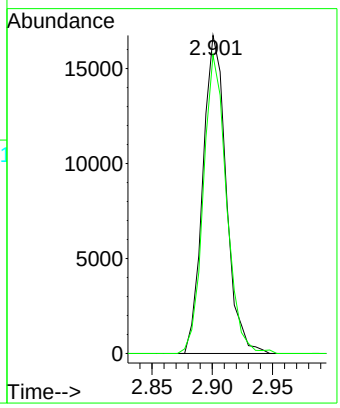




#5
Bromomethane
Concen: 17.963 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 94 Resp: 22475

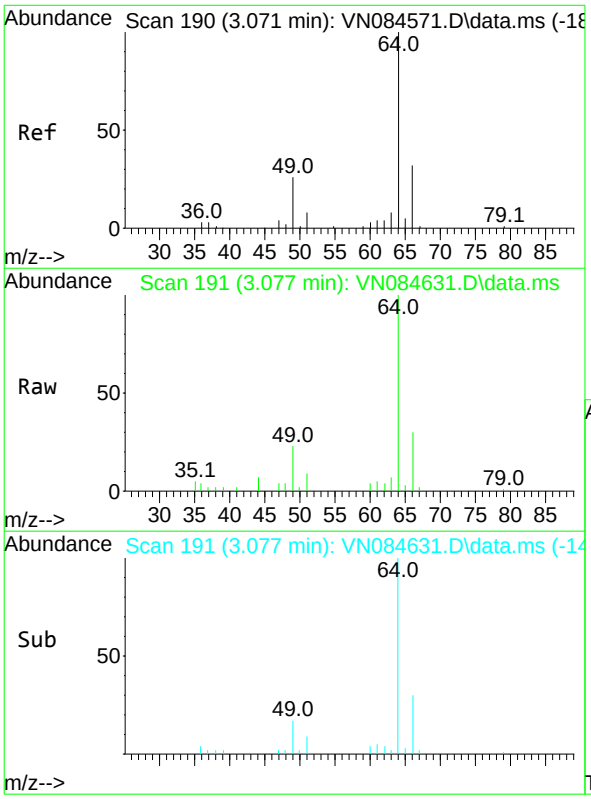
Ion	Ratio	Lower	Upper
94	100		
96	93.8	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

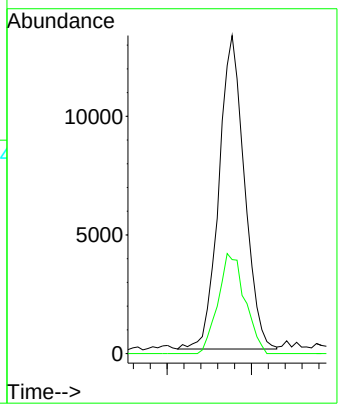
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

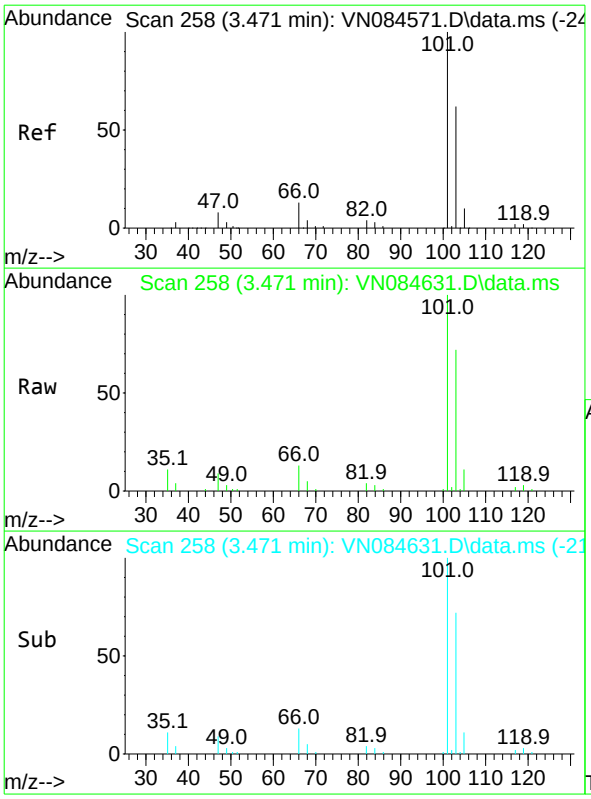


#6
Chloroethane
Concen: 18.166 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 64 Resp: 27854

Ion	Ratio	Lower	Upper
64	100		
66	30.0	23.5	35.3

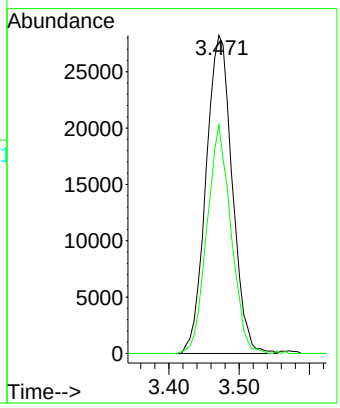




#7
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.471 min Scan# 25
Delta R.T. -0.024 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:101 Resp: 73135

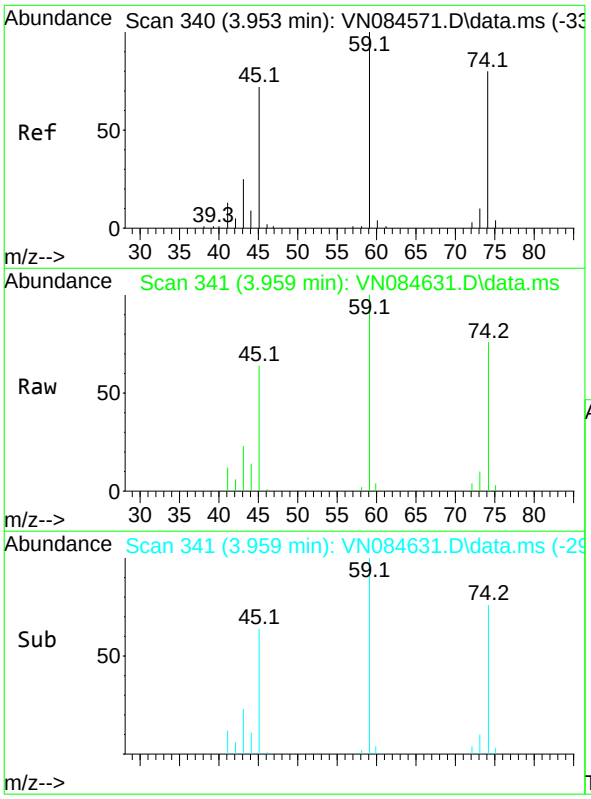
Ion	Ratio	Lower	Upper
101	100		
103	71.9	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

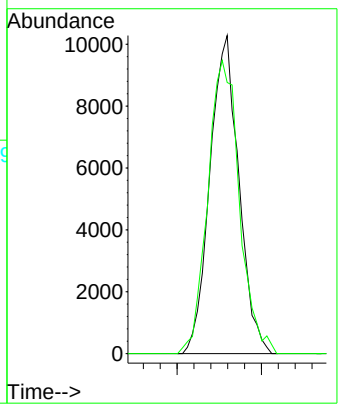
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

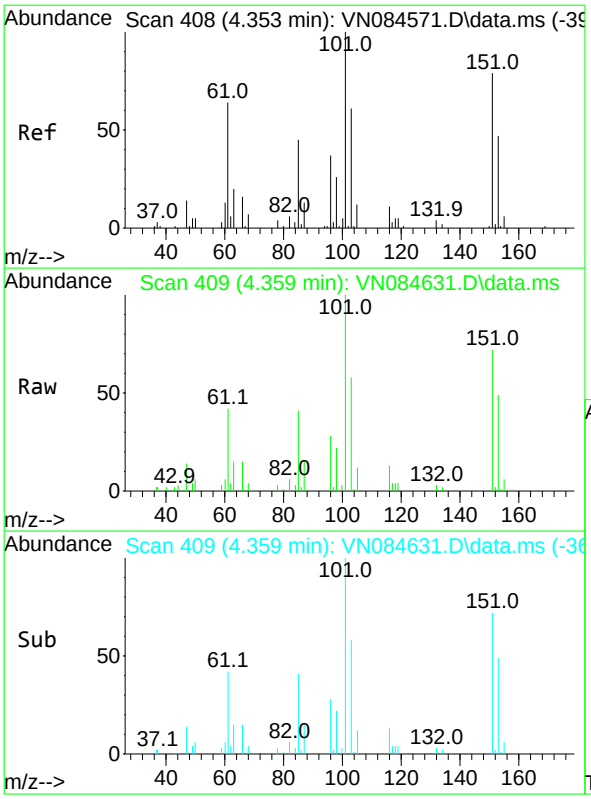


#8
Diethyl Ether
Concen: 17.848 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 74 Resp: 24492

Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.7	143.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.348 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

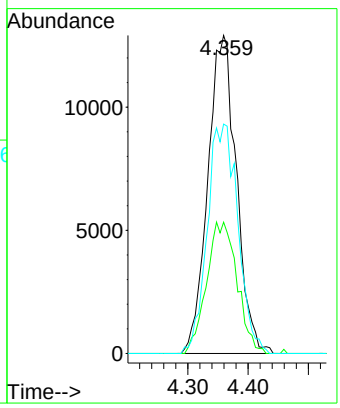
Tgt Ion:101 Resp: 42530

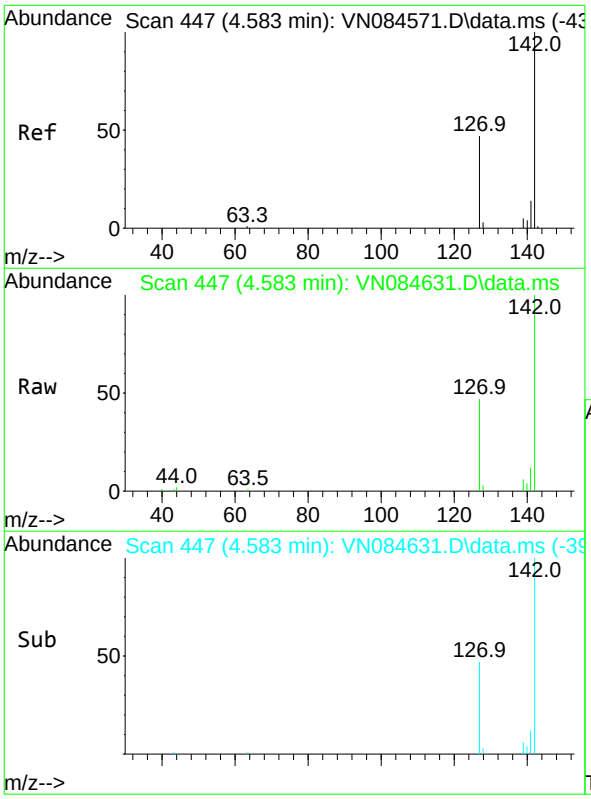
Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.2	54.4
151	77.3	59.3	88.9

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

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

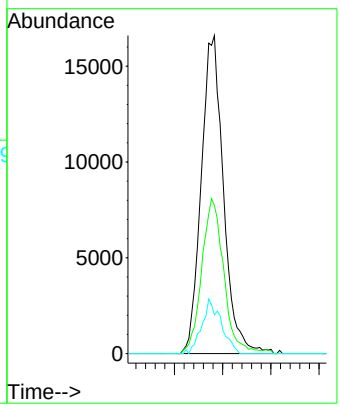


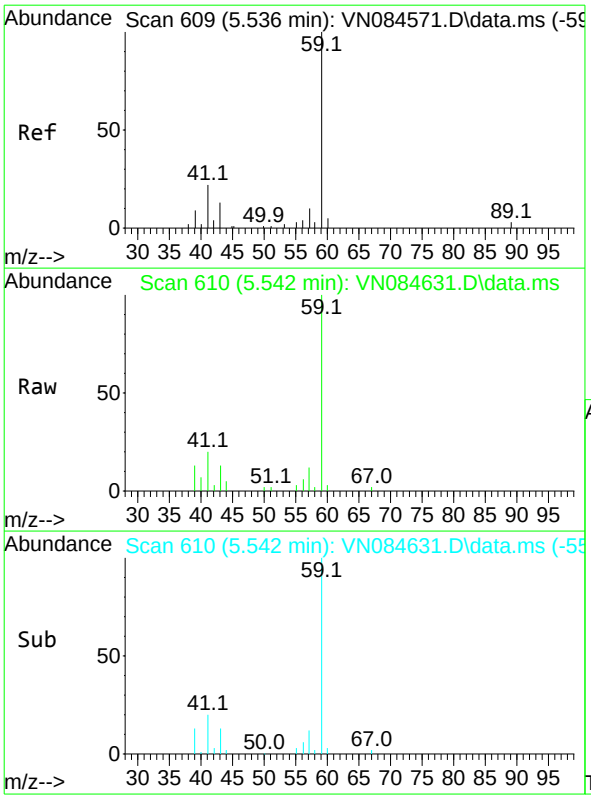


#10
Methyl Iodide
Concen: 18.118 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:142 Resp: 53226

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	12.2	11.0	16.6

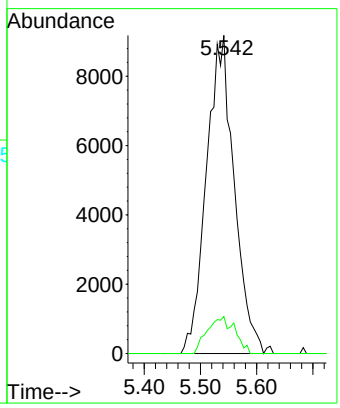




#11
Tert butyl alcohol
Concen: 86.672 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 59 Resp: 31560

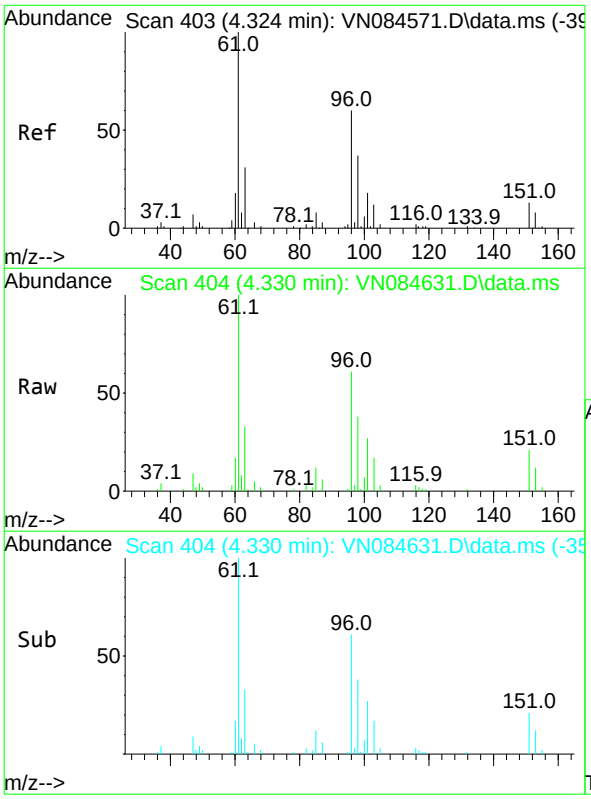
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

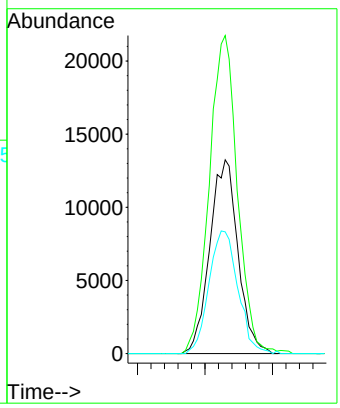
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

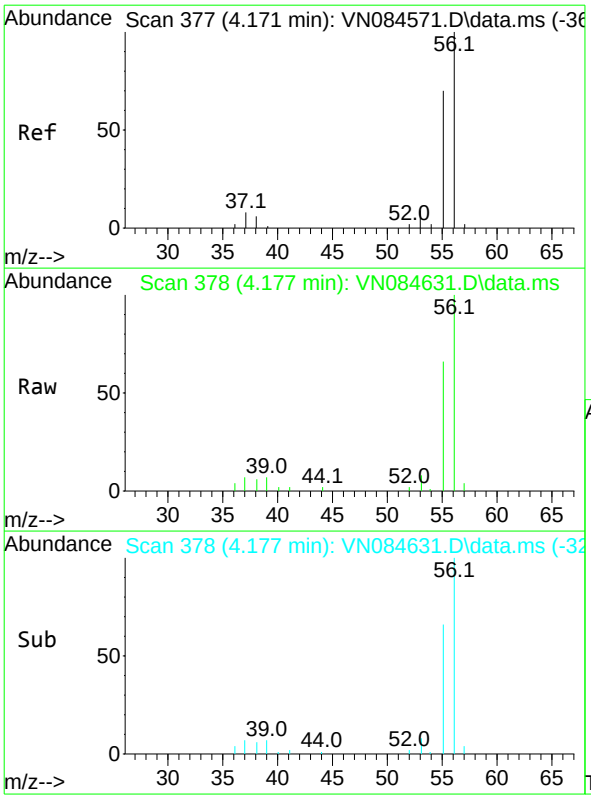


#12
1,1-Dichloroethene
Concen: 17.695 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 96 Resp: 38487

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	62.8	51.7	77.5

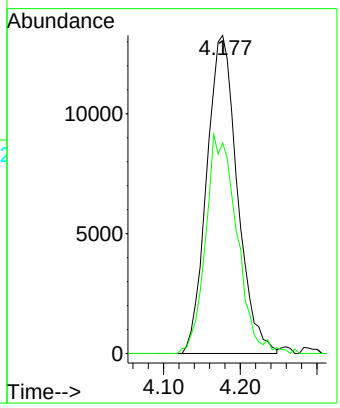




#13
Acrolein
Concen: 101.438 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 56 Resp: 36832

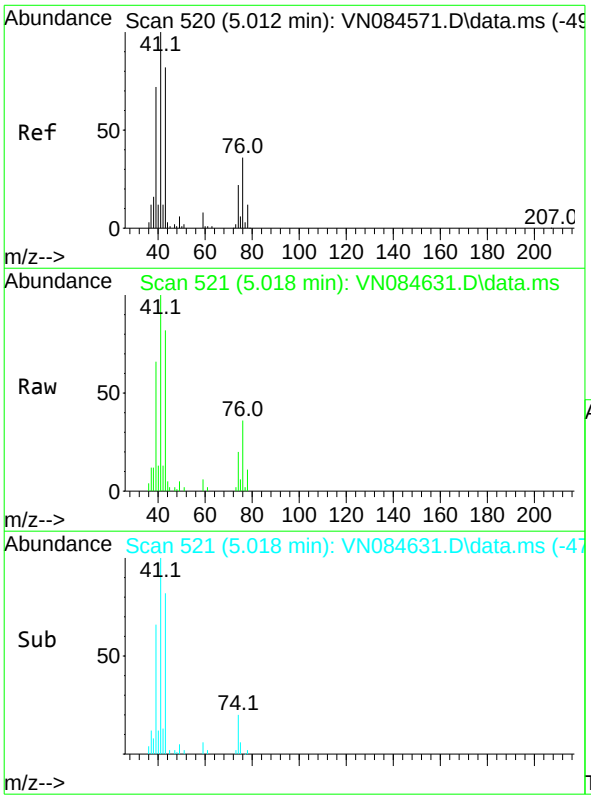
Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

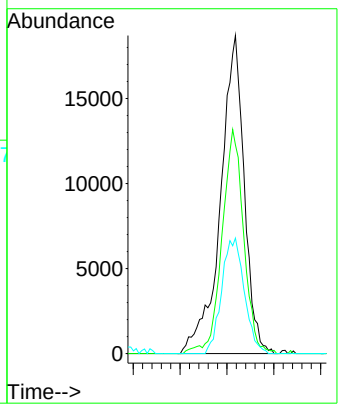
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

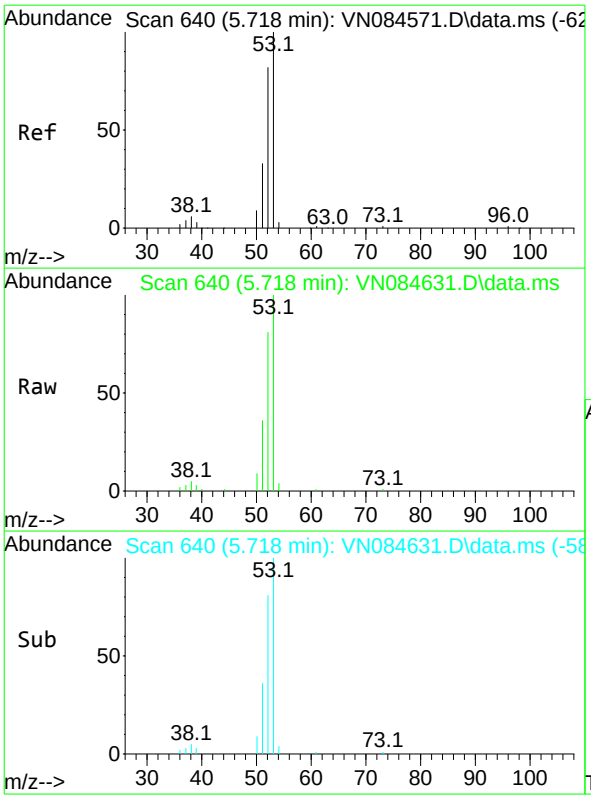


#14
Allyl chloride
Concen: 18.707 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 41 Resp: 65987

Ion	Ratio	Lower	Upper
41	100		
39	64.0	59.0	88.6
76	34.5	29.8	44.6

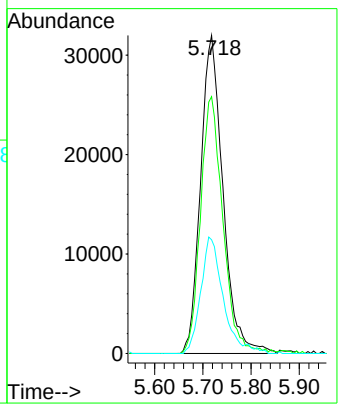




#15
Acrylonitrile
Concen: 97.908 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 53 Resp: 103209

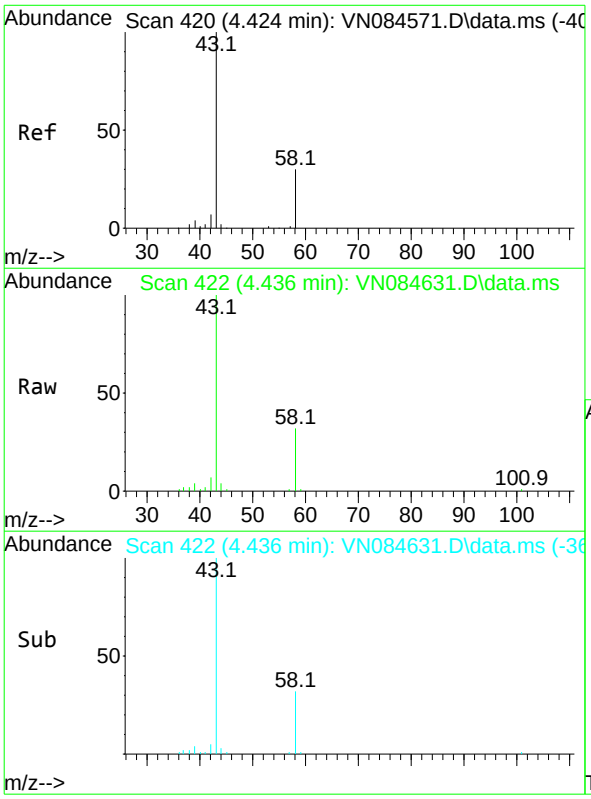
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	36.8	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

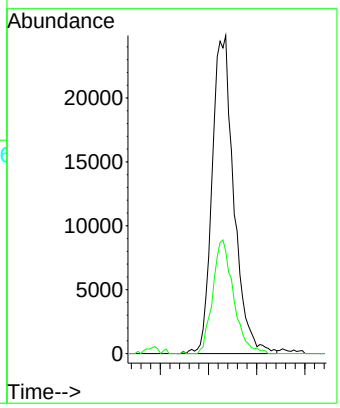
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

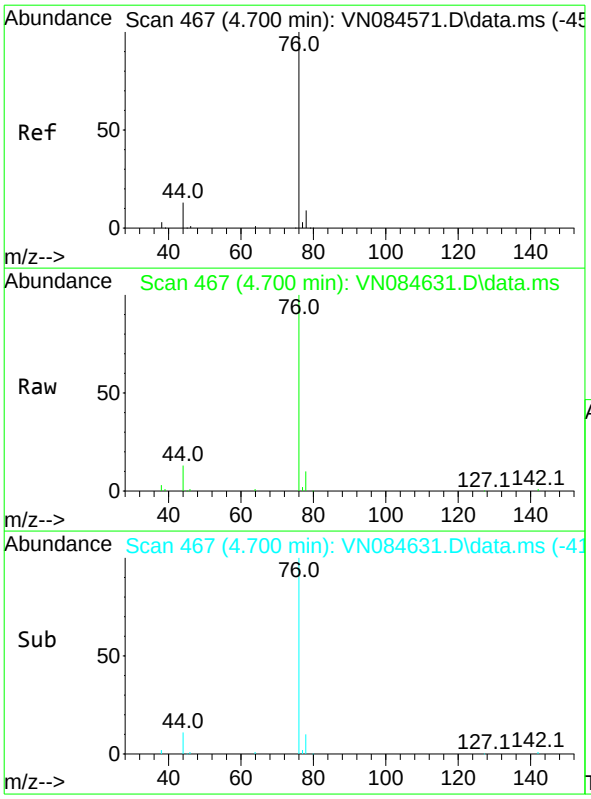


#16
Acetone
Concen: 95.962 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 77869

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6

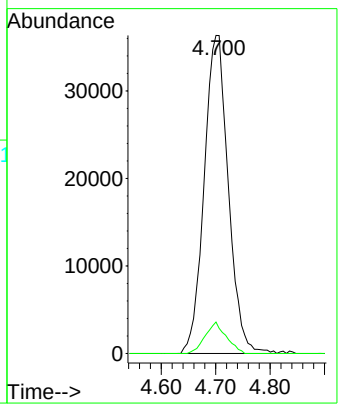




#17
Carbon Disulfide
Concen: 16.728 ug/l
RT: 4.700 min Scan# 46
Delta R.T. -0.011 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 76 Resp: 112044

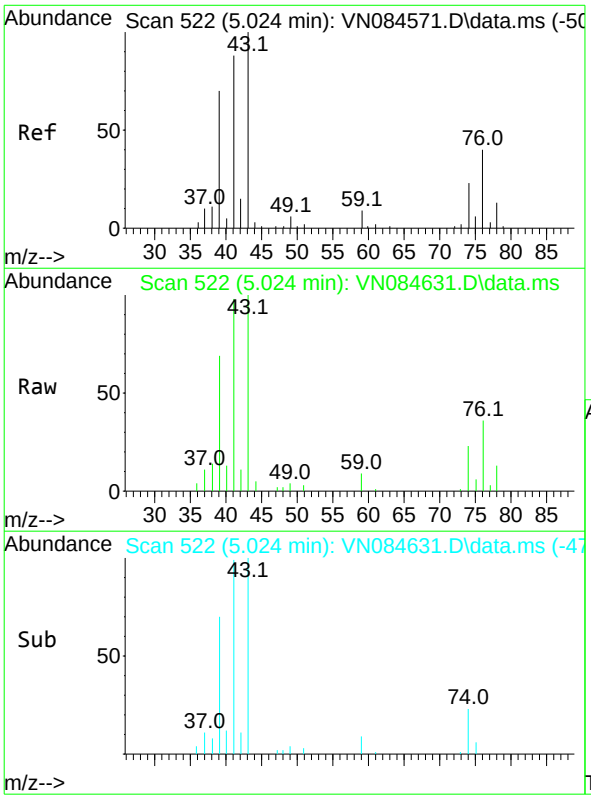
Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

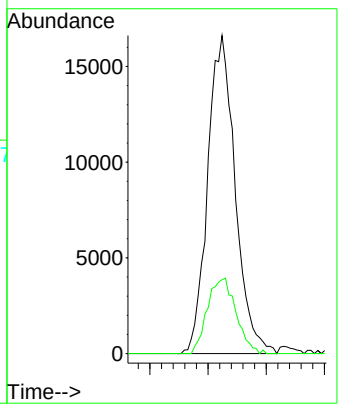
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

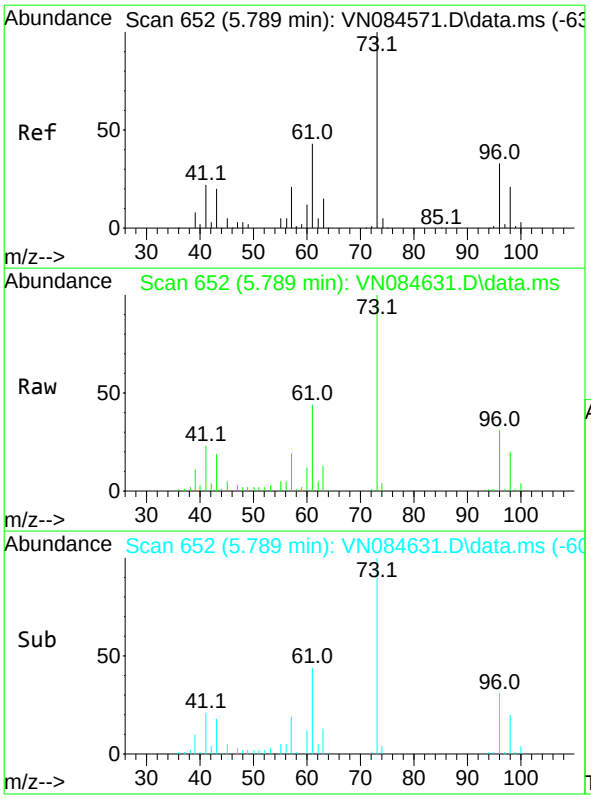


#18
Methyl Acetate
Concen: 16.052 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 54615

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8

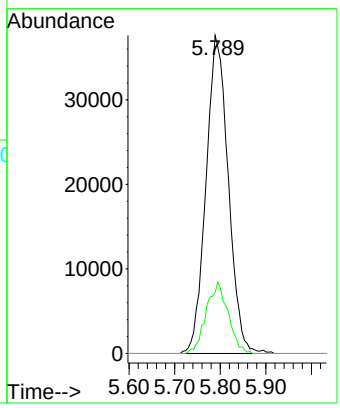




#19
Methyl tert-butyl Ether
Concen: 19.135 ug/l
RT: 5.789 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 73 Resp: 127569

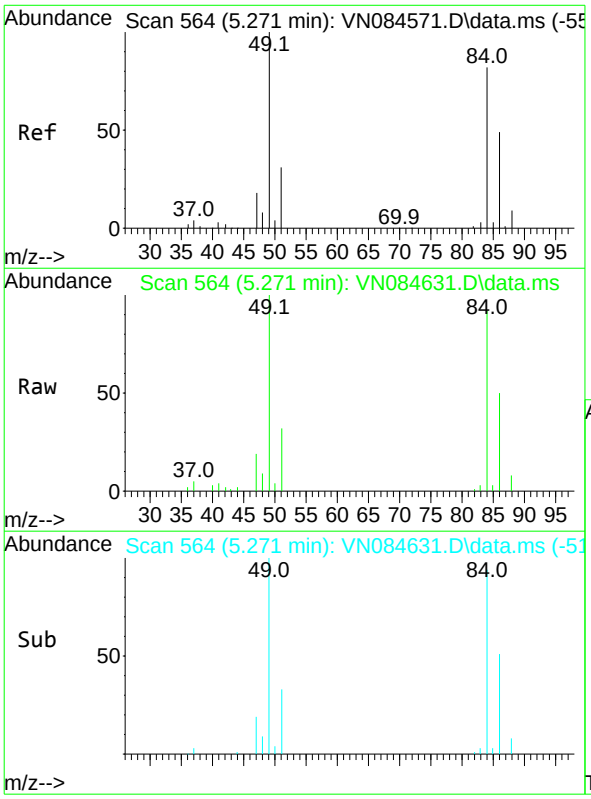
Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

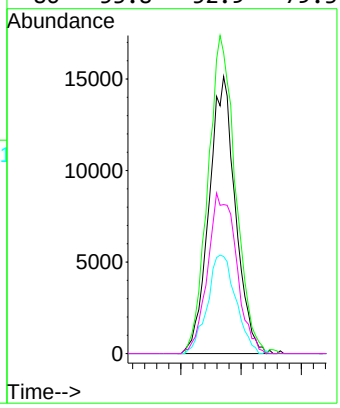
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

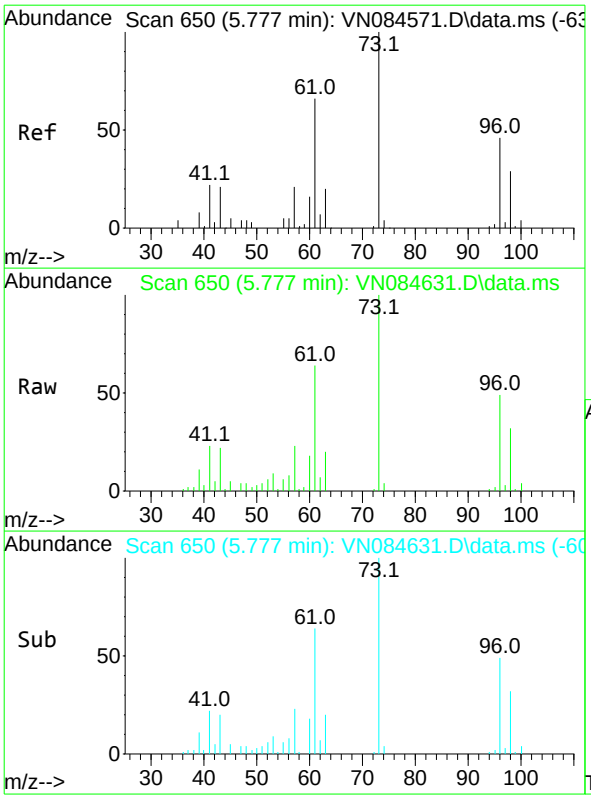


#20
Methylene Chloride
Concen: 18.961 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 84 Resp: 46004

Ion	Ratio	Lower	Upper
84	100		
49	108.5	107.2	160.8
51	35.0	31.8	47.8
86	53.8	52.9	79.3

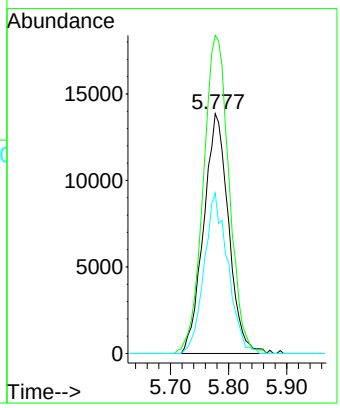




#21
trans-1,2-Dichloroethene
Concen: 18.481 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 96 Resp: 41275

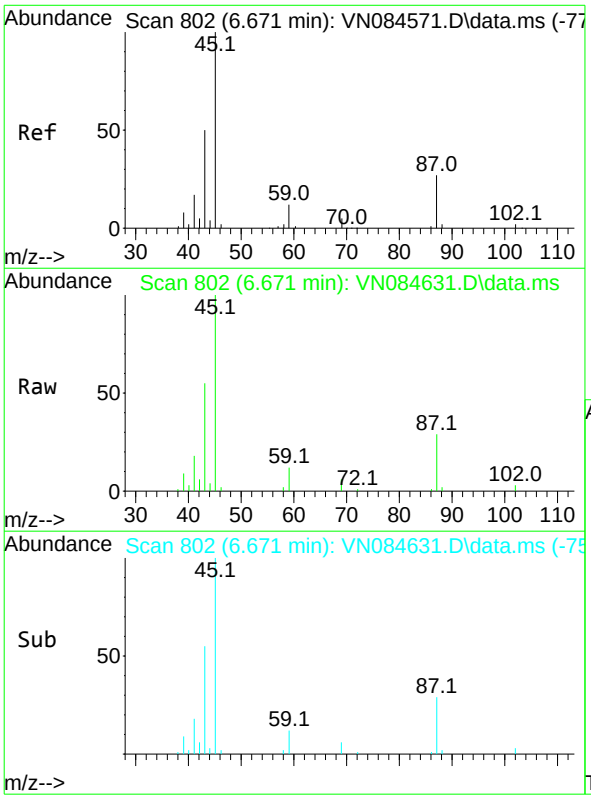
Ion	Ratio	Lower	Upper
96	100		
61	132.6	108.4	162.6
98	66.9	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

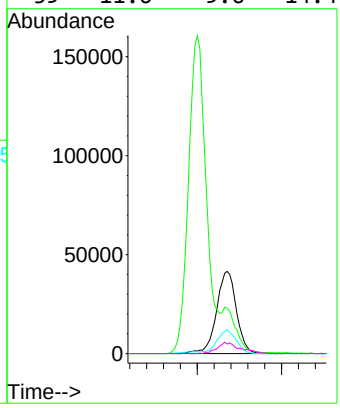
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

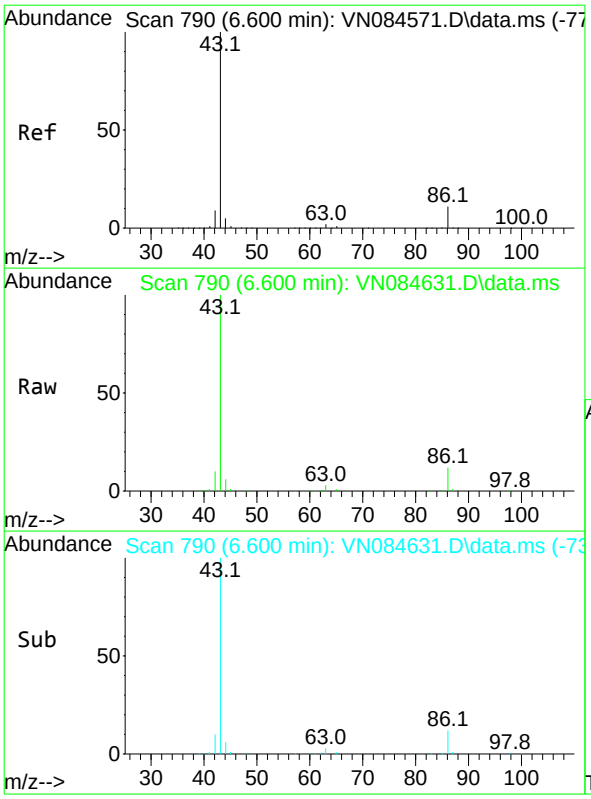


#22
Diisopropyl ether
Concen: 19.469 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 45 Resp: 136454

Ion	Ratio	Lower	Upper
45	100		
43	54.2	42.3	63.5
87	29.4	21.8	32.6
59	11.6	9.6	14.4

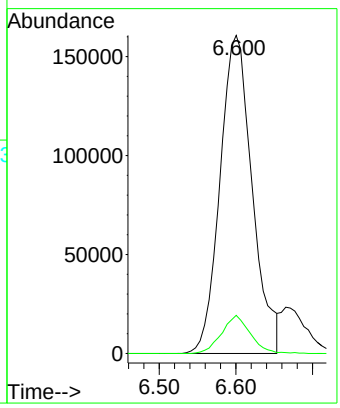




#23
Vinyl Acetate
Concen: 97.108 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 469366

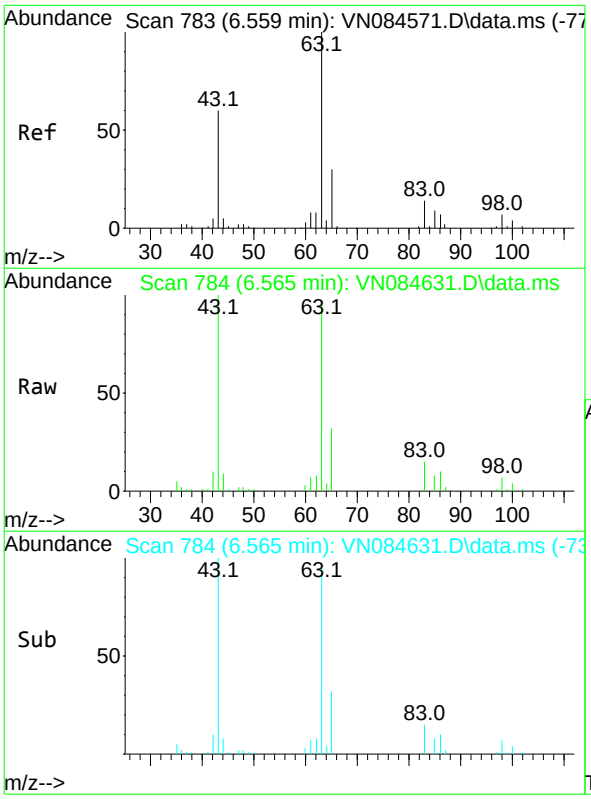
Ion	Ratio	Lower	Upper
43	100		
86	12.0	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

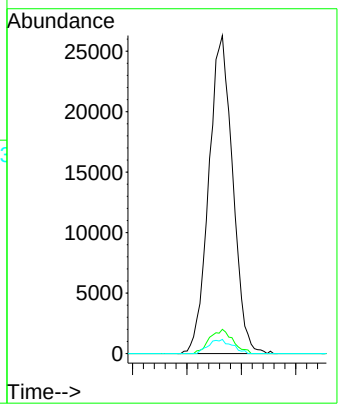
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

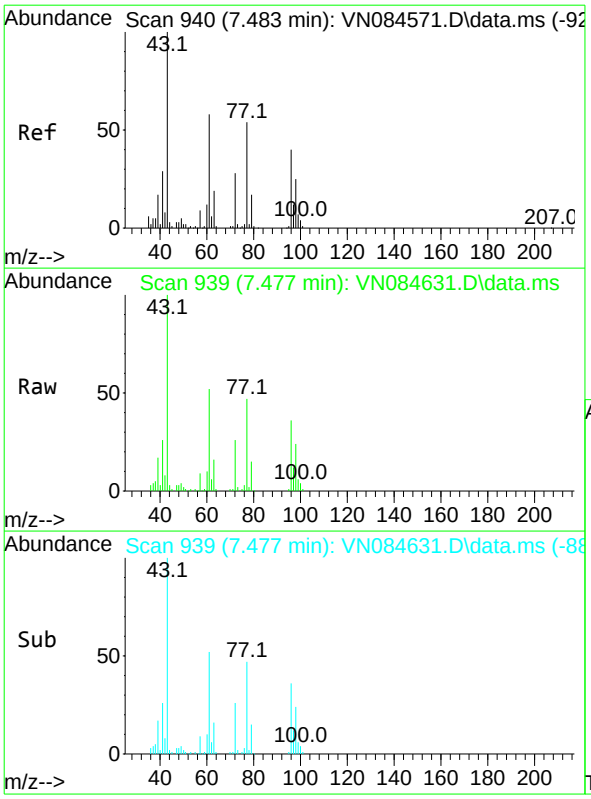


#24
1,1-Dichloroethane
Concen: 19.063 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 63 Resp: 80215

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.4	10.2
100	4.5	2.0	5.8

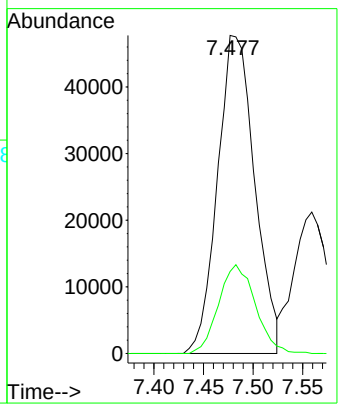




#25
2-Butanone
Concen: 96.713 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 124468

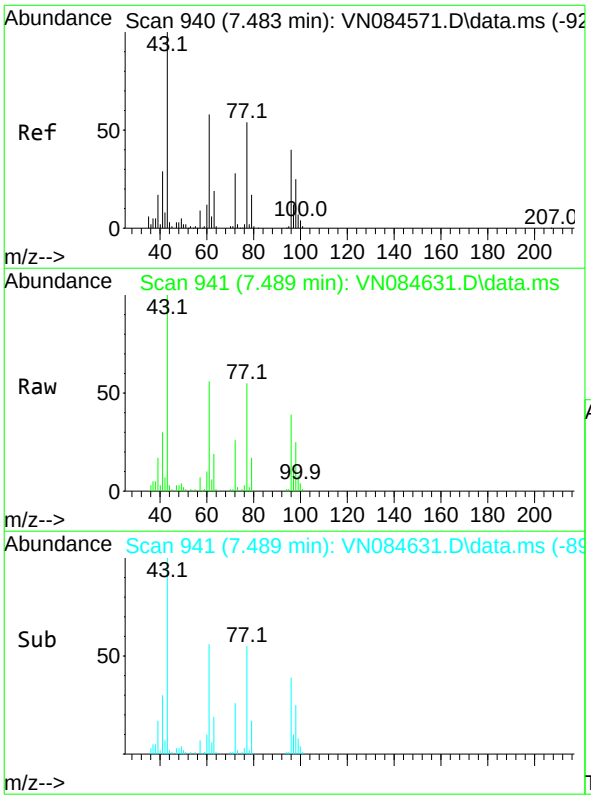
Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

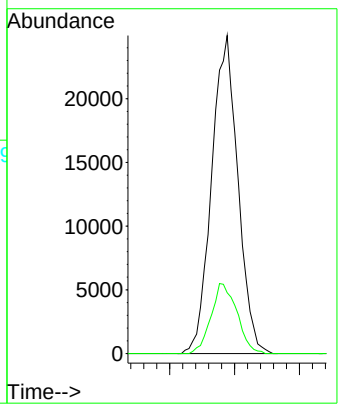
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

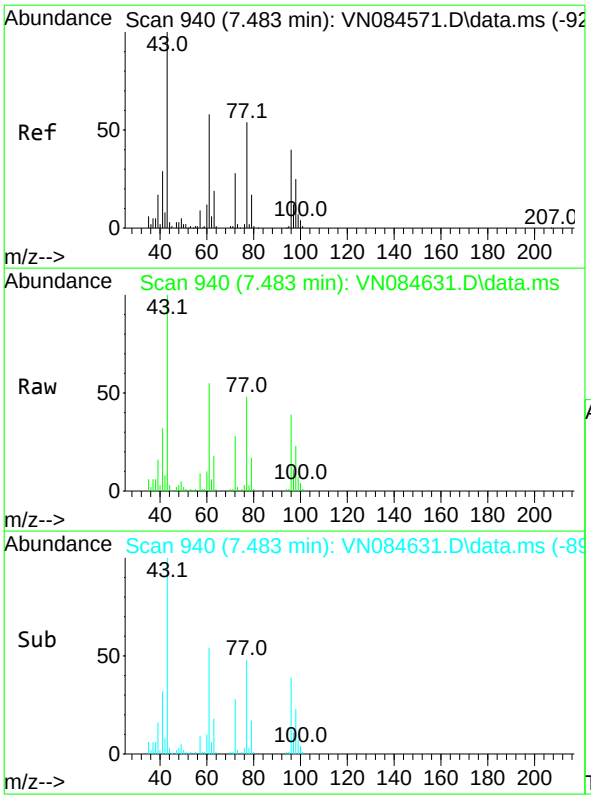


#26
2,2-Dichloropropane
Concen: 19.185 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 77 Resp: 70266

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3

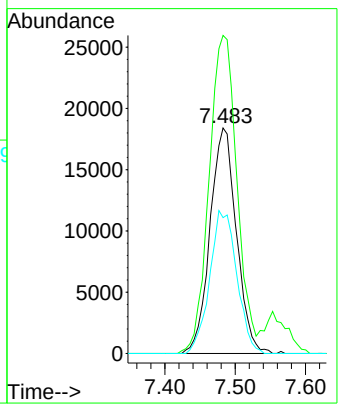




#27
cis-1,2-Dichloroethene
Concen: 18.421 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 96 Resp: 48039

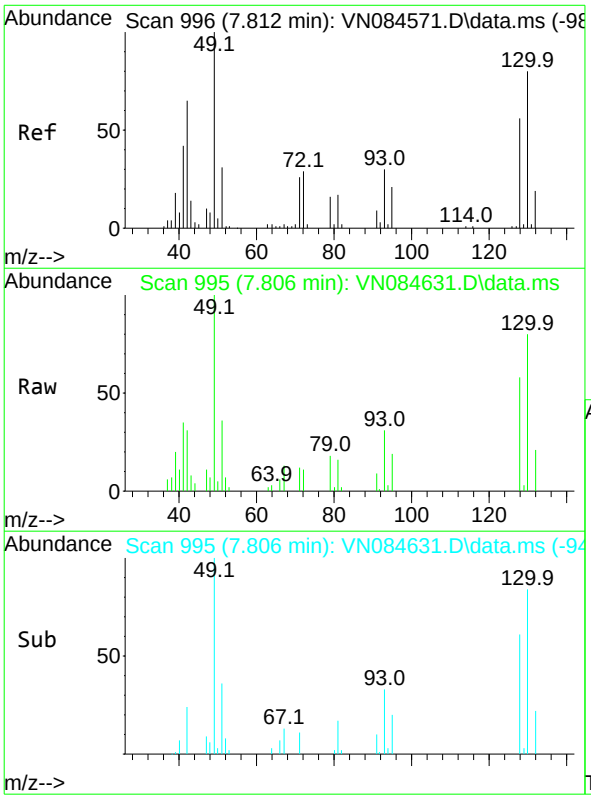
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	301.8
98	64.9	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

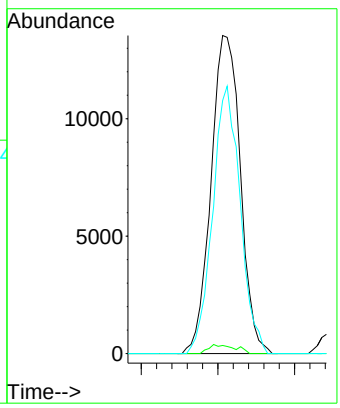
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

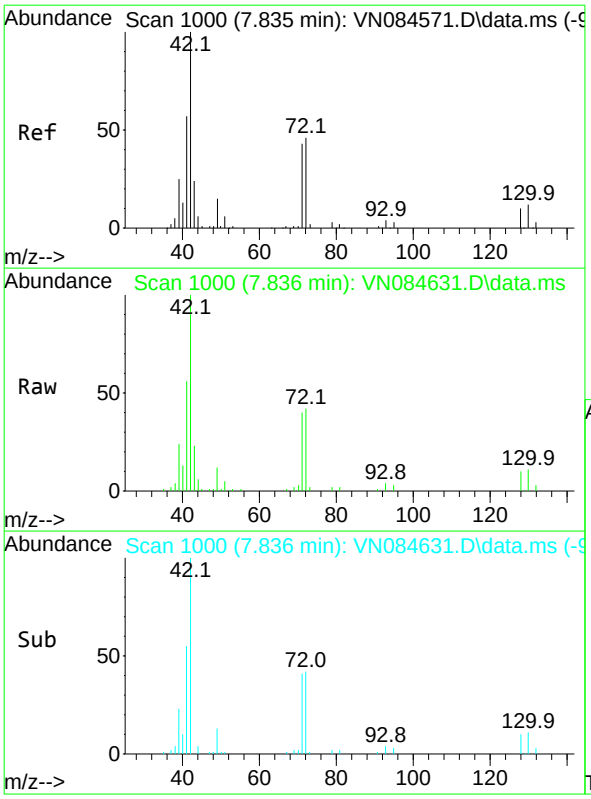


#28
Bromochloromethane
Concen: 21.487 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 49 Resp: 36023

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.6
130	78.7	58.0	87.0

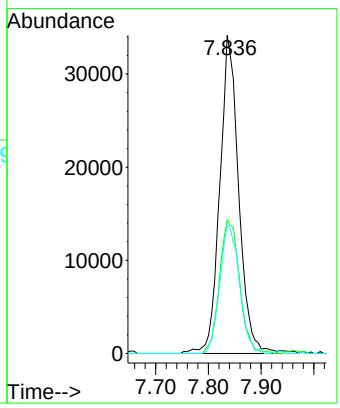




#29
Tetrahydrofuran
Concen: 99.446 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 42 Resp: 84907

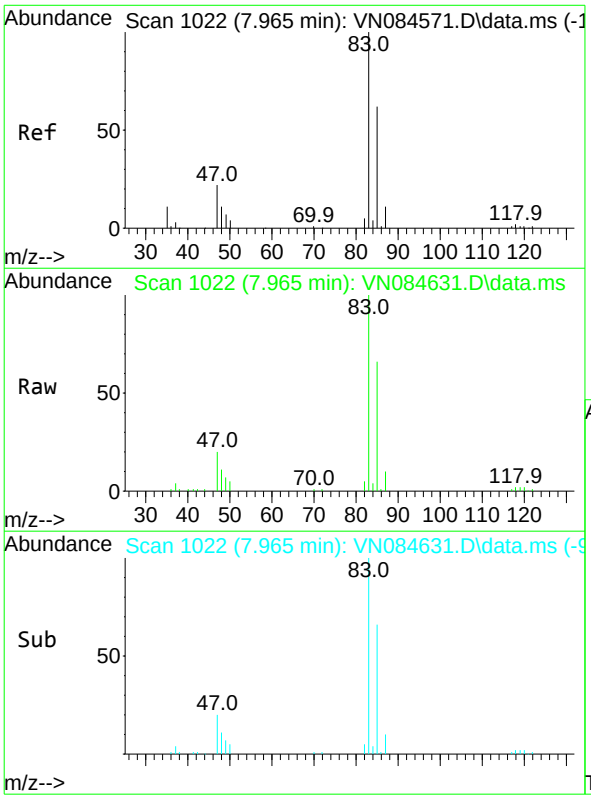
Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	42.4	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

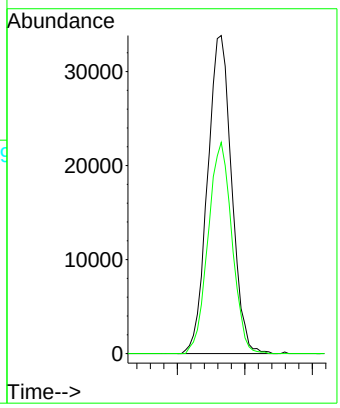
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

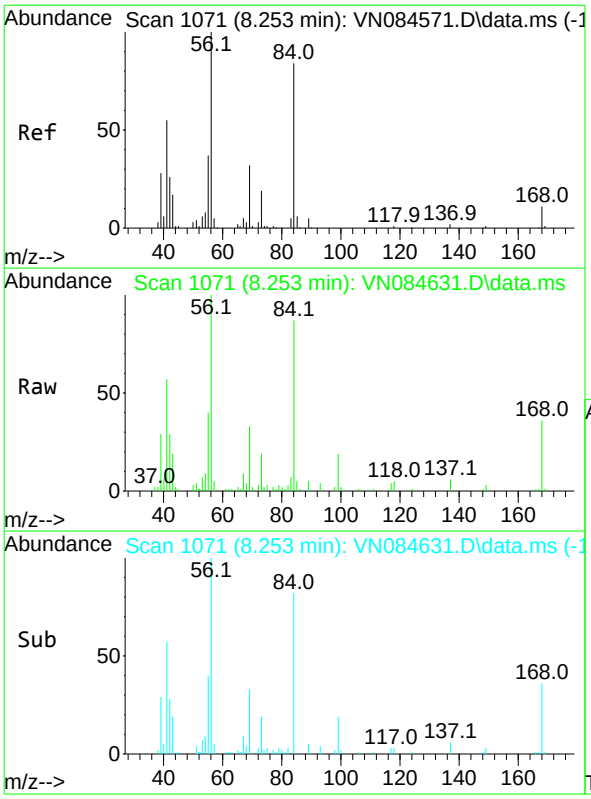


#30
Chloroform
Concen: 19.599 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 83 Resp: 83941

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.0	76.4

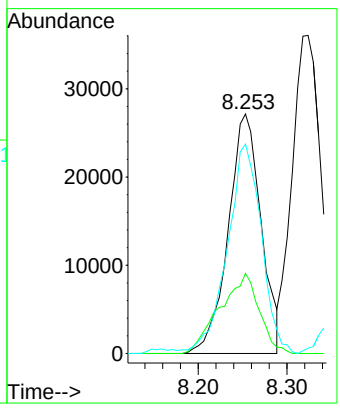




#31
Cyclohexane
Concen: 18.324 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 56 Resp: 69789

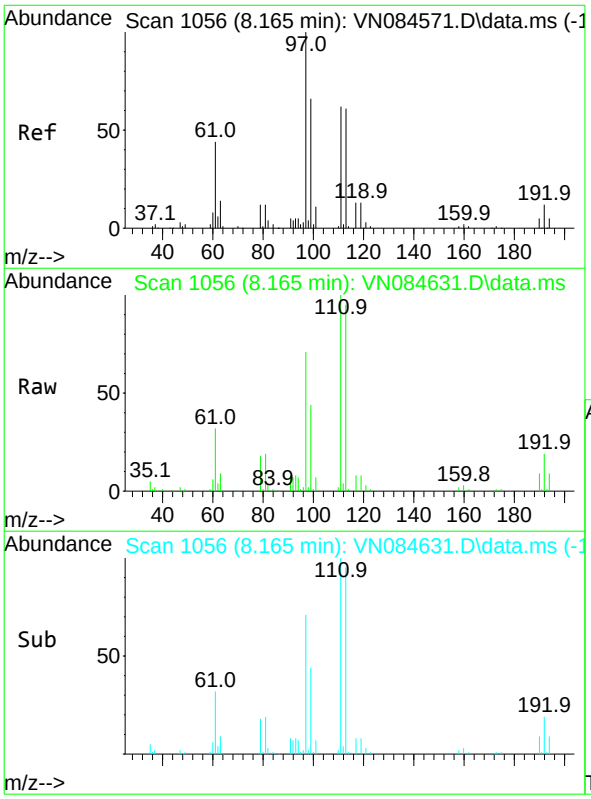
Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.6
84	86.2	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

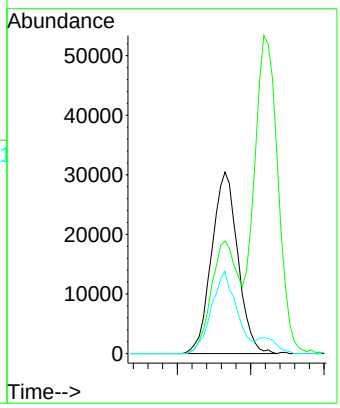
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

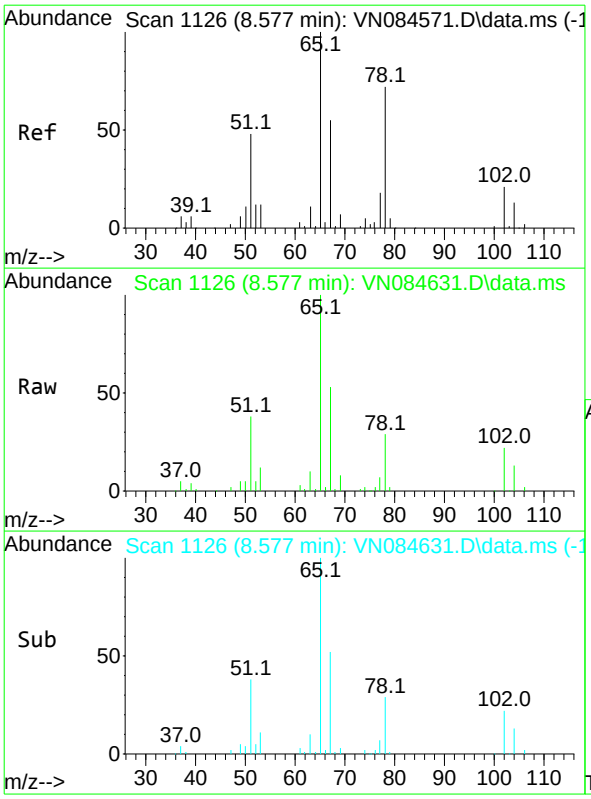


#32
1,1,1-Trichloroethane
Concen: 19.362 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 97 Resp: 75478

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	44.4	37.5	56.3

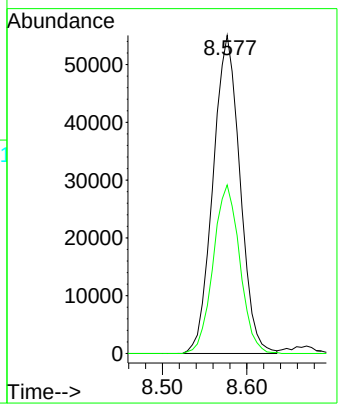




#33
1,2-Dichloroethane-d4
Concen: 44.315 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 65 Resp: 122248

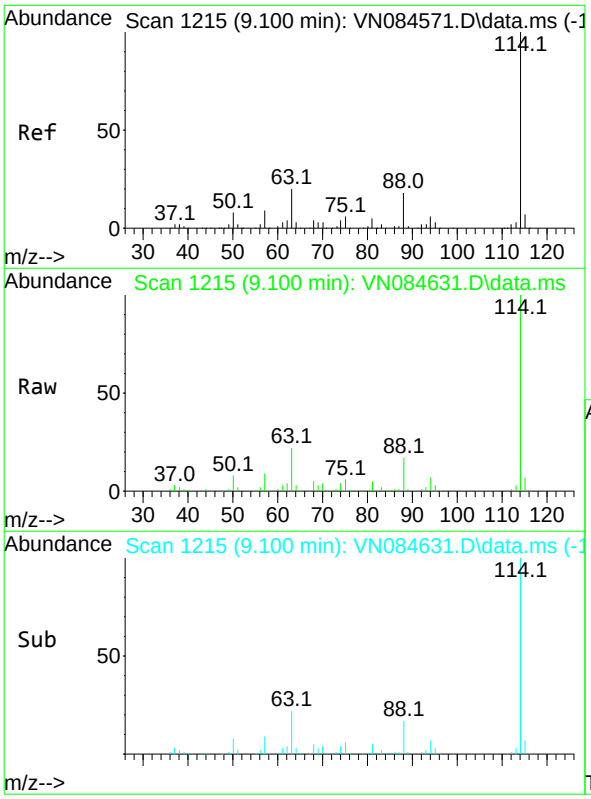
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

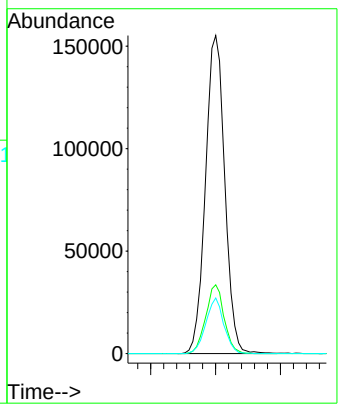
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

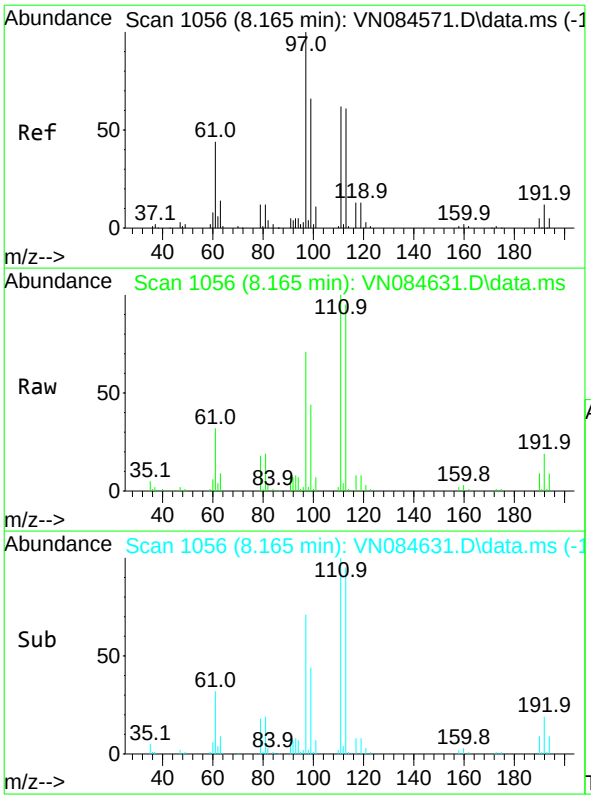


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:114 Resp: 320452

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.5	0.0	31.6

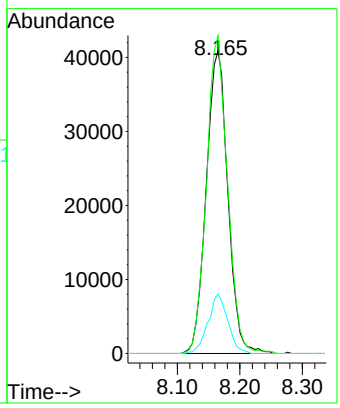




#35
Dibromofluoromethane
Concen: 45.147 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:113 Resp: 97927

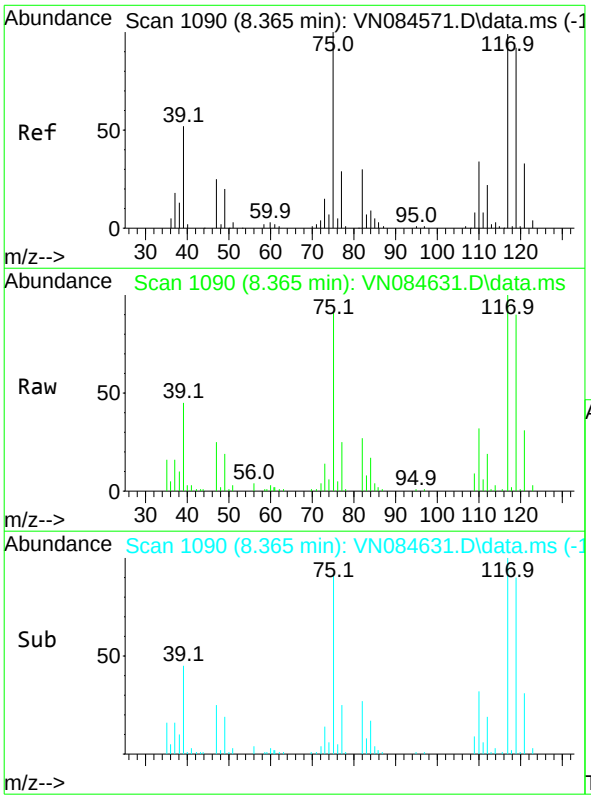
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	18.1	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

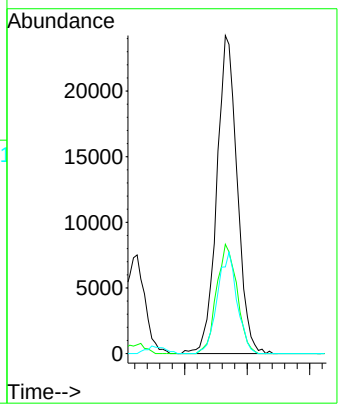
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

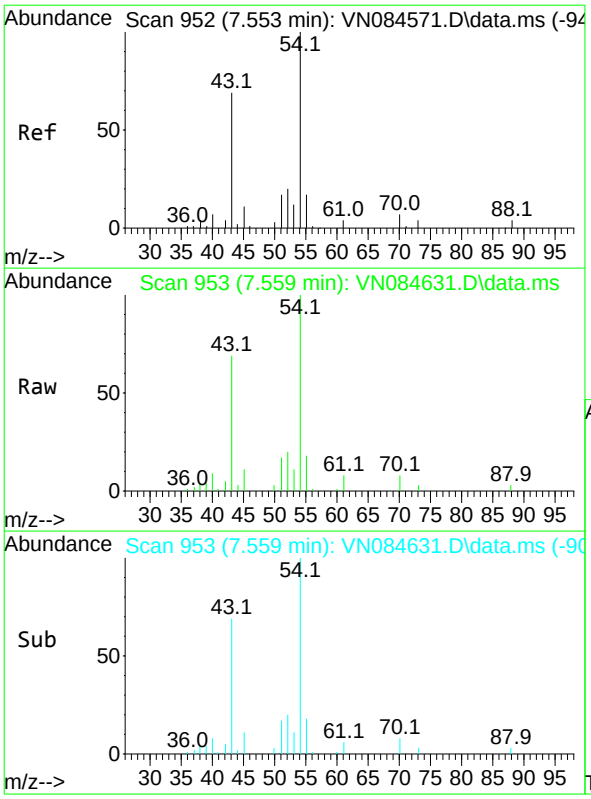


#36
1,1-Dichloropropene
Concen: 18.275 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 54975

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.8	24.7	37.1

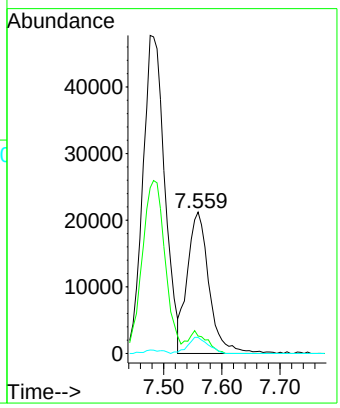




#37
Ethyl Acetate
Concen: 20.228 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 55210

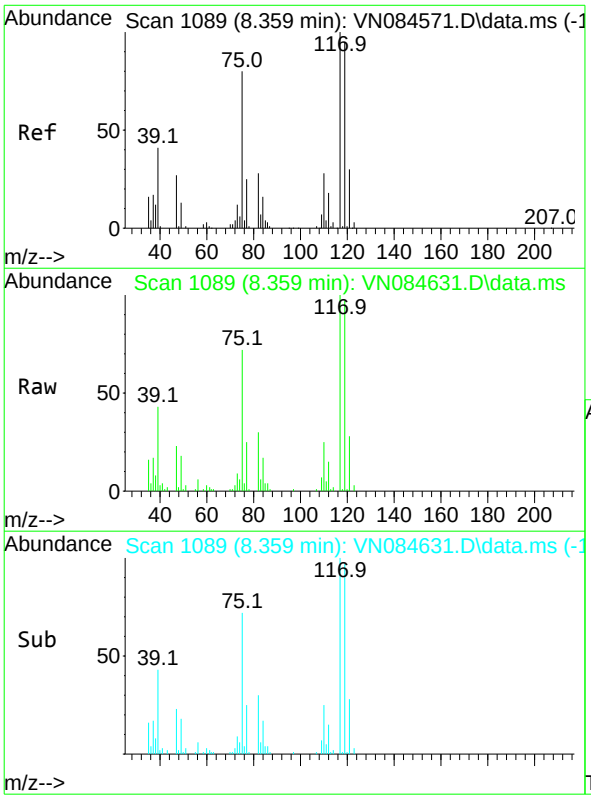
Ion	Ratio	Lower	Upper
43	100		
61	11.4	10.7	16.1
70	10.6	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

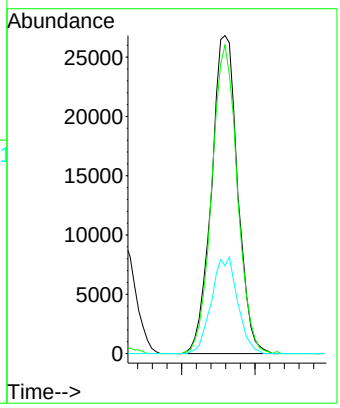
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

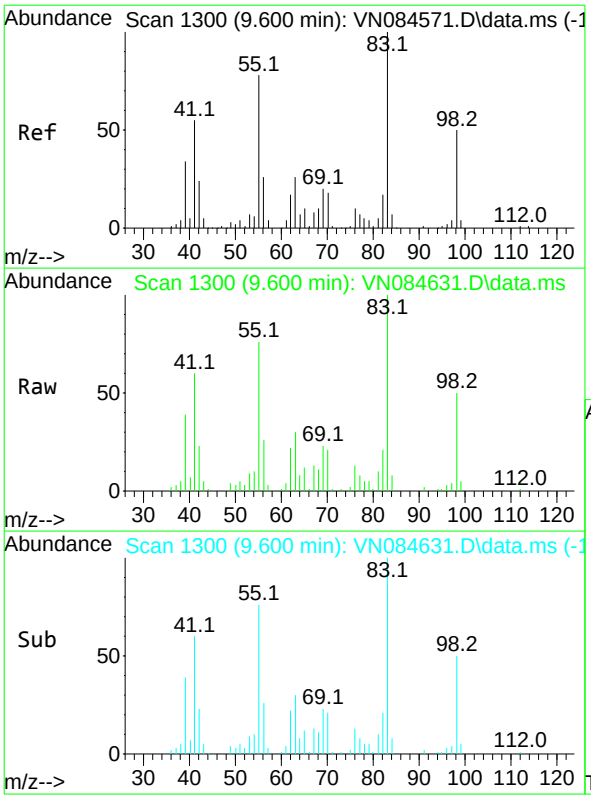


#38
Carbon Tetrachloride
Concen: 19.742 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:117 Resp: 66382

Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.7	118.1
121	27.6	24.4	36.6

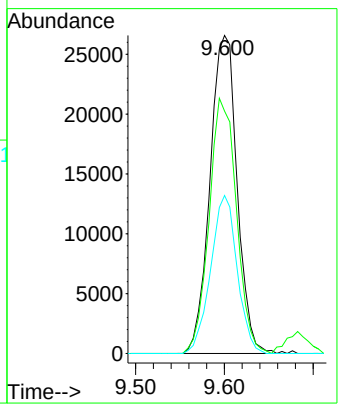




#39
Methylcyclohexane
Concen: 18.434 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 83 Resp: 56415

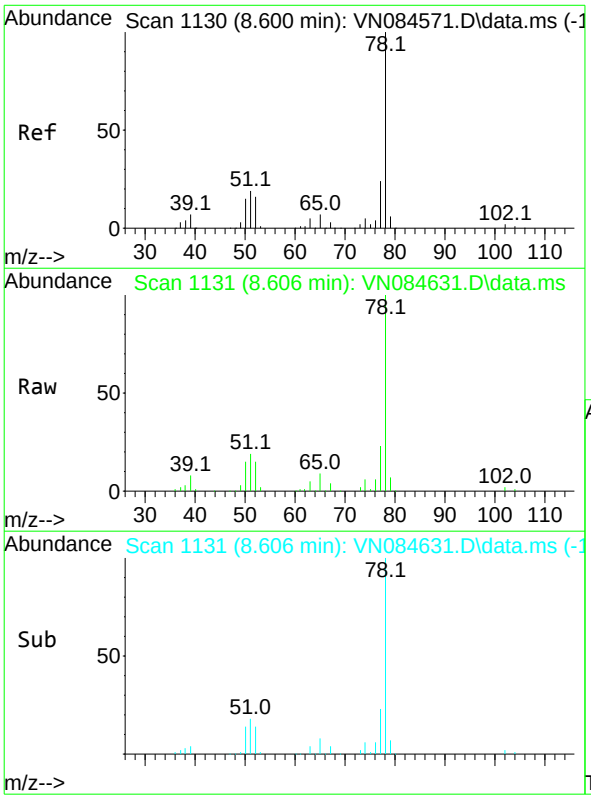
Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.8	94.2
98	49.7	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

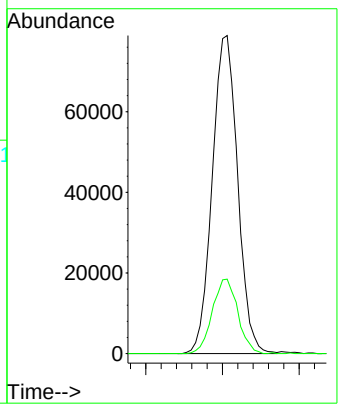
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

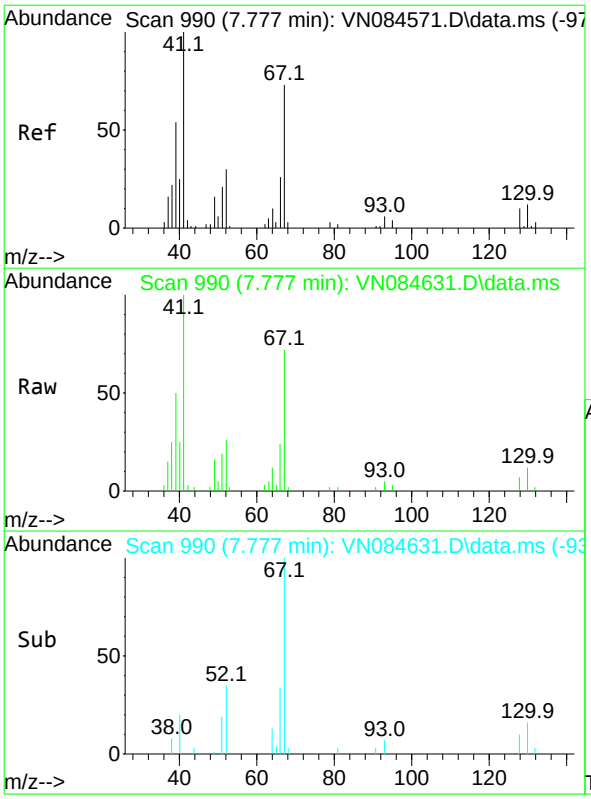


#40
Benzene
Concen: 18.756 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 78 Resp: 181197

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7

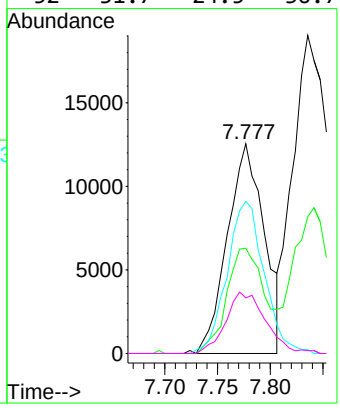




#41
Methacrylonitrile
Concen: 20.818 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 41 Resp: 30555

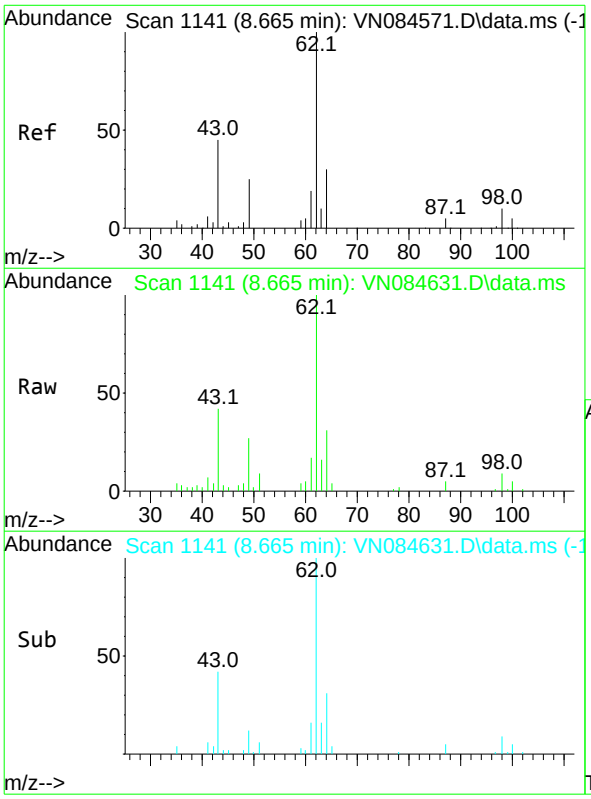
Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.3	64.9
67	72.7	56.1	84.1
52	31.7	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

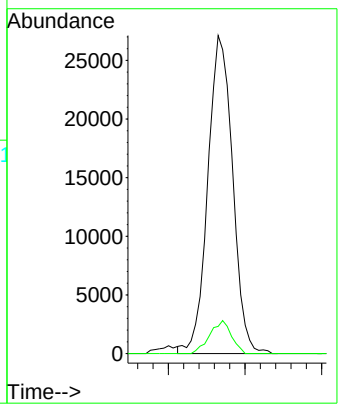
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

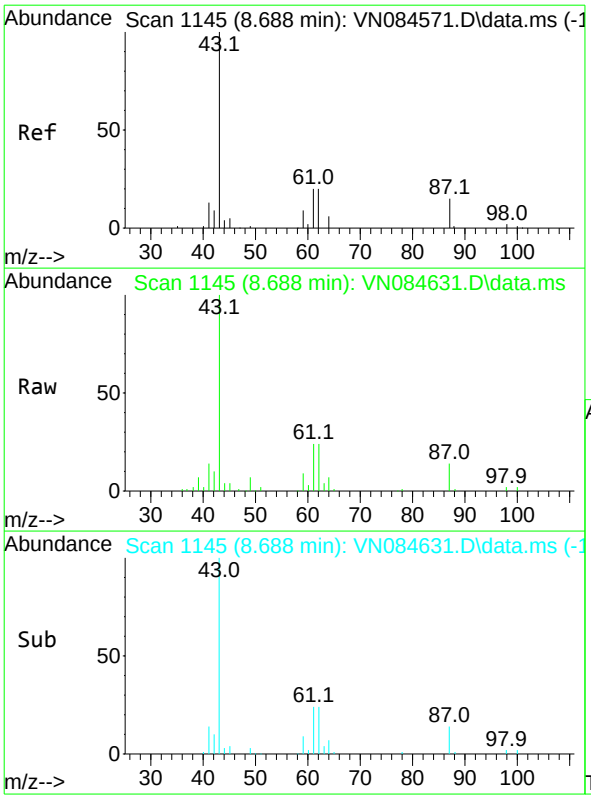


#42
1,2-Dichloroethane
Concen: 19.472 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 62 Resp: 60923

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

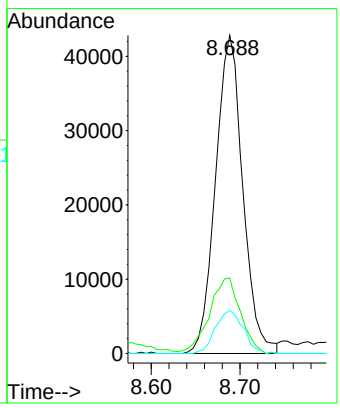




#43
Isopropyl Acetate
Concen: 17.507 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 91436

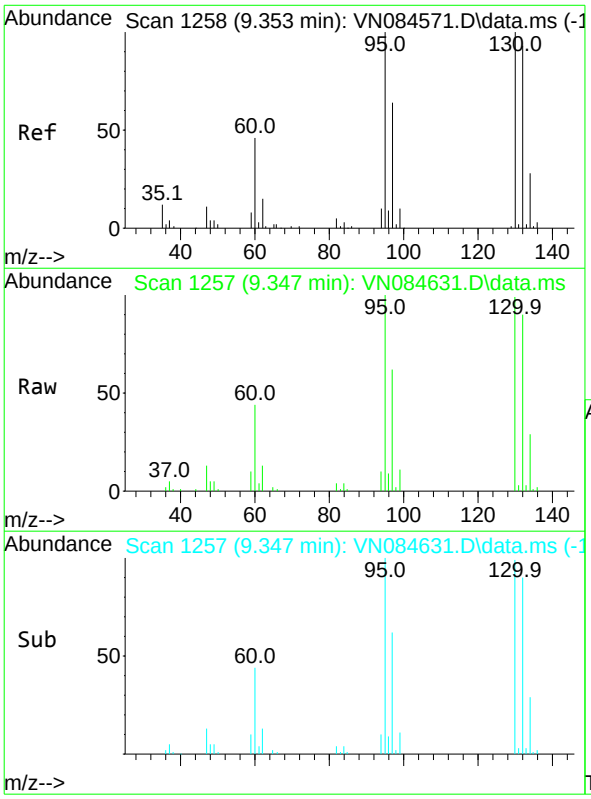
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.8	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

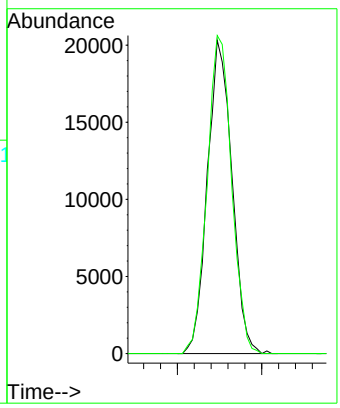
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

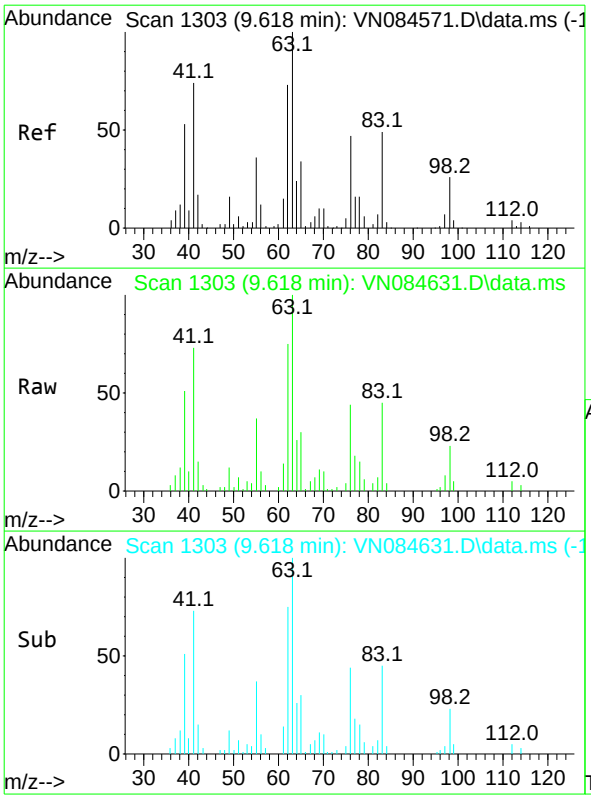


#44
Trichloroethene
Concen: 18.446 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:130 Resp: 41099

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0

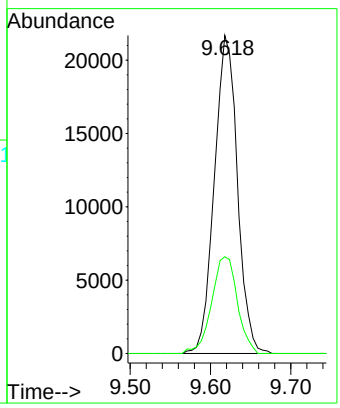




#45
1,2-Dichloropropane
Concen: 19.073 ug/l
RT: 9.618 min Scan# 13
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 63 Resp: 43224

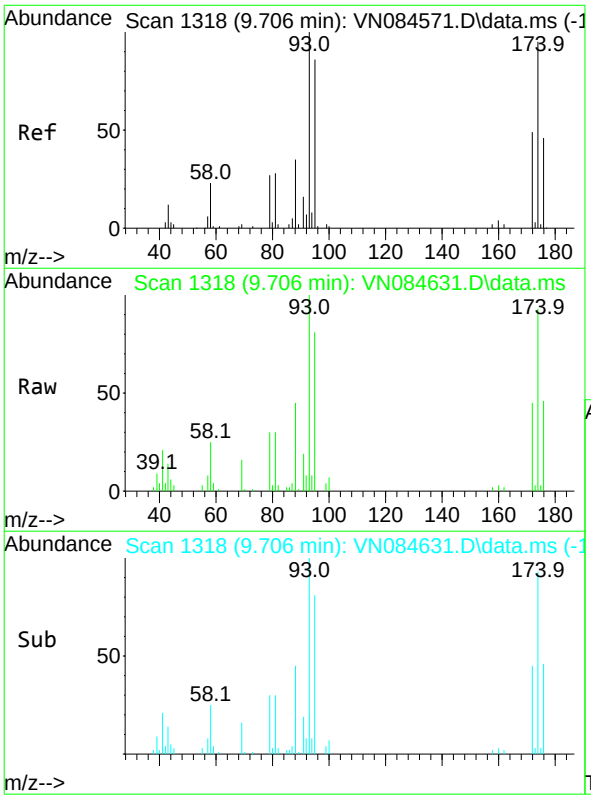
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

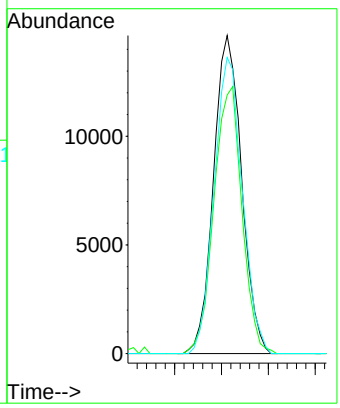
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

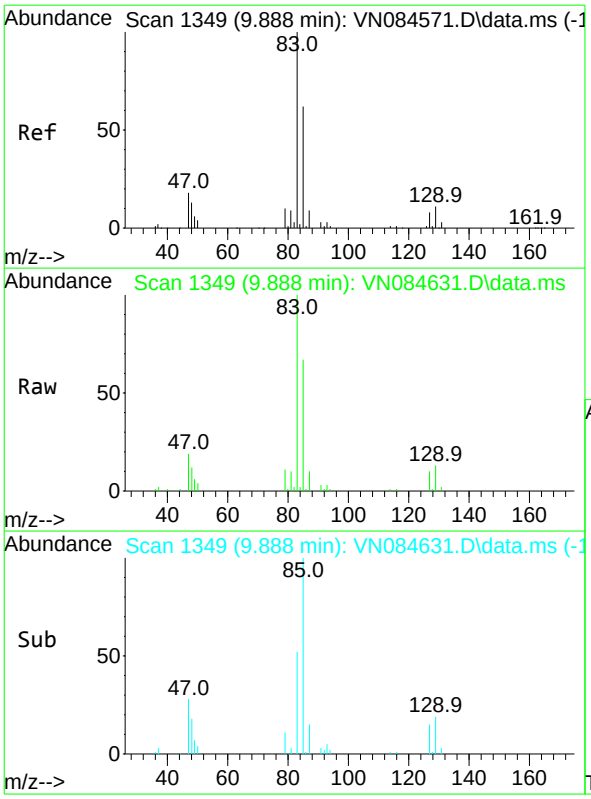


#46
Dibromomethane
Concen: 19.005 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 93 Resp: 30391

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.0	97.4
174	93.6	71.8	107.8

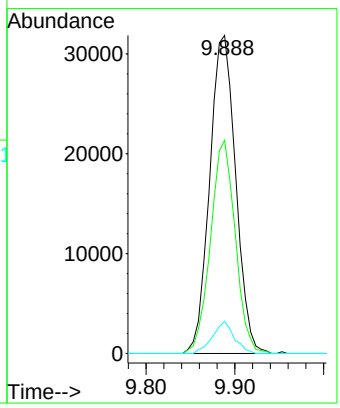




#47
Bromodichloromethane
Concen: 19.230 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 83 Resp: 64821

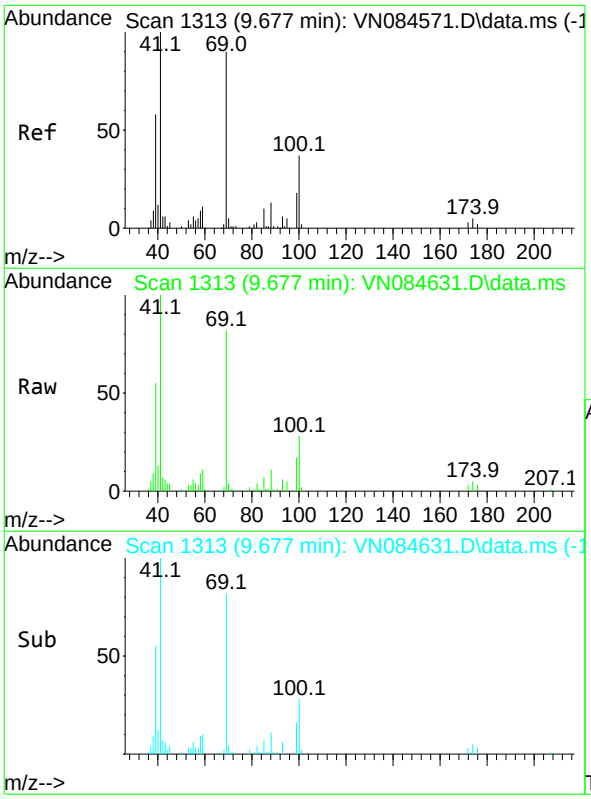
Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.5	77.3
127	10.1	5.7	8.5#



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

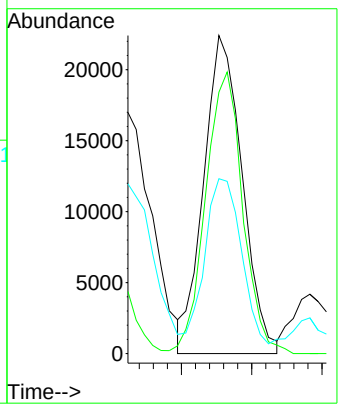
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

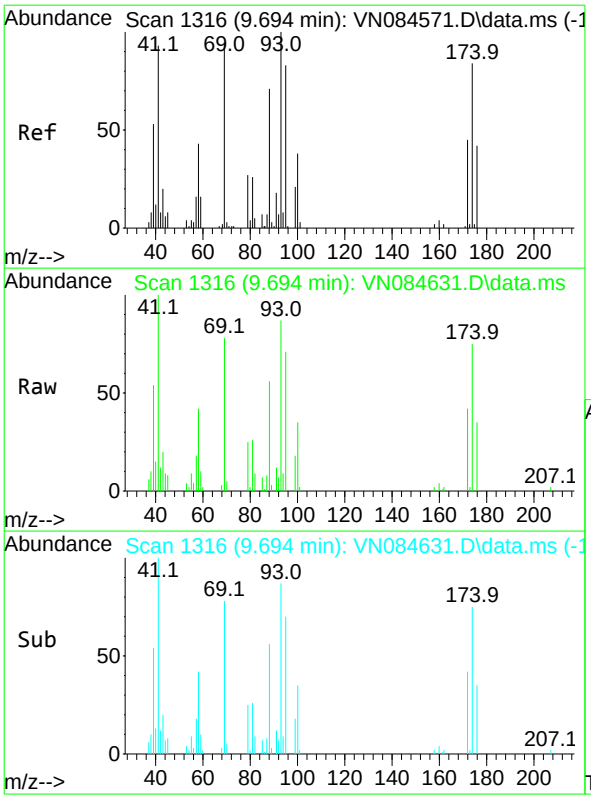


#48
Methyl methacrylate
Concen: 20.092 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 41 Resp: 42680

Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.1	100.7
39	54.7	45.8	68.6





#49
1,4-Dioxane
Concen: 410.740 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

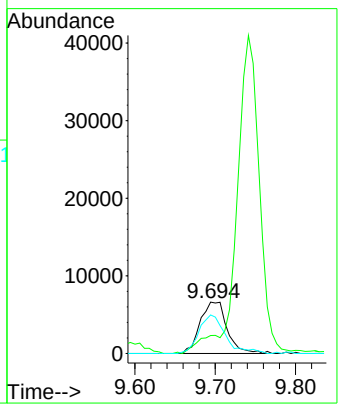
Tgt Ion: 88 Resp: 15461

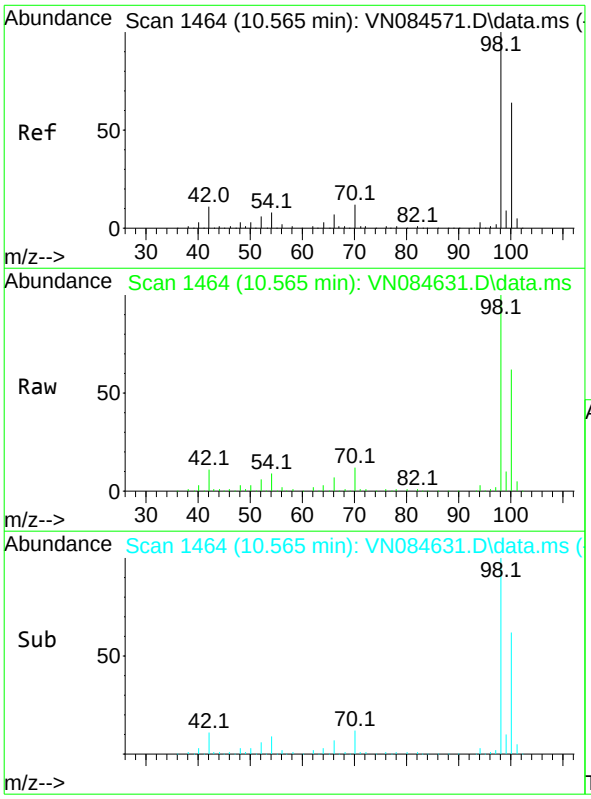
Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.9	56.4	84.6

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

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

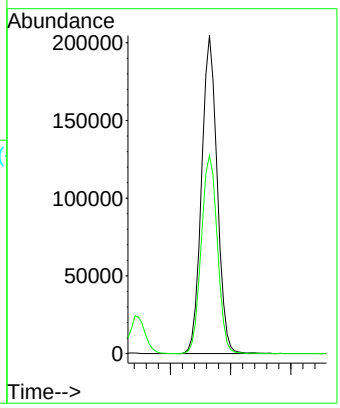


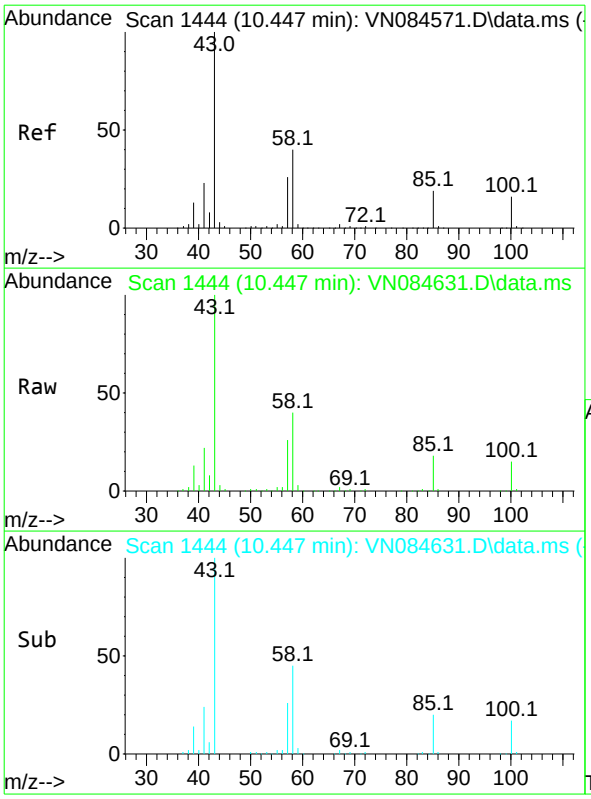


#50
Toluene-d8
Concen: 46.086 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 98 Resp: 368236

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

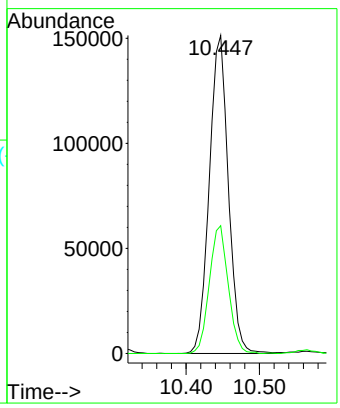




#51
4-Methyl-2-Pentanone
Concen: 104.826 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 272747

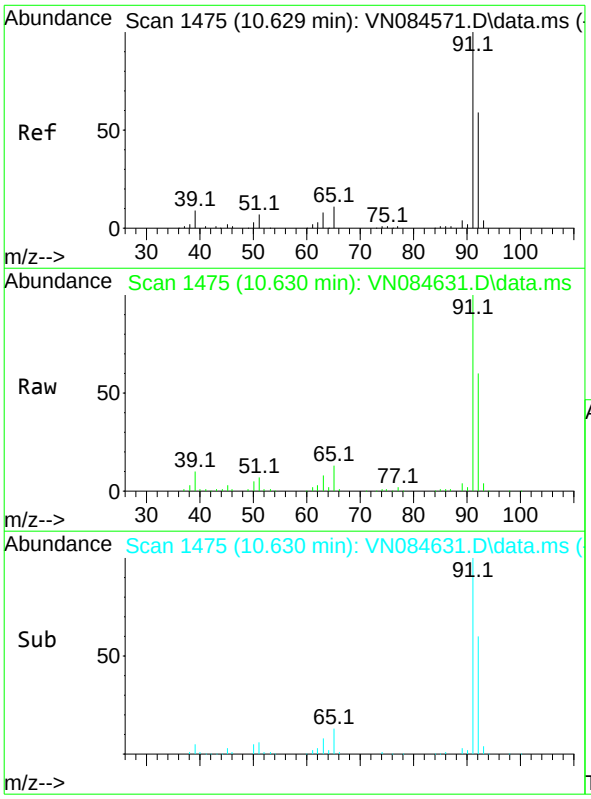
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

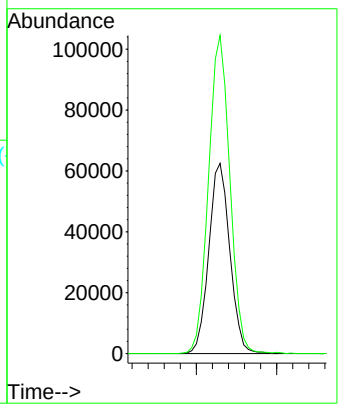
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

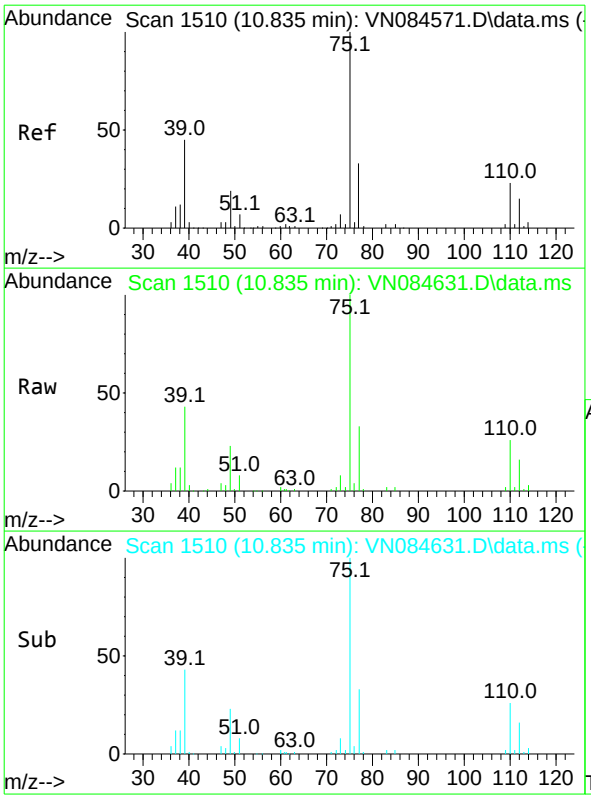


#52
Toluene
Concen: 20.137 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 92 Resp: 113778

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.3	205.9

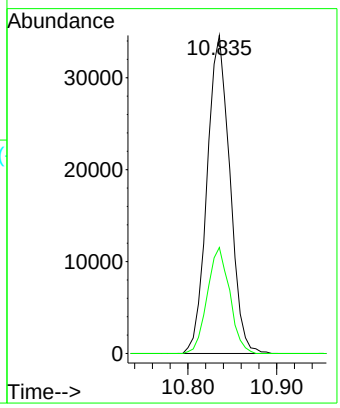




#53
t-1,3-Dichloropropene
Concen: 17.677 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 61679

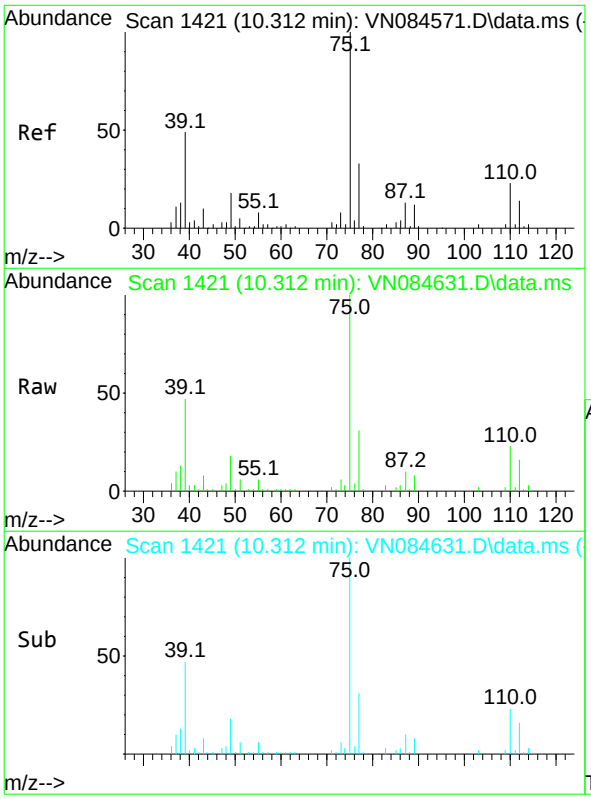
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

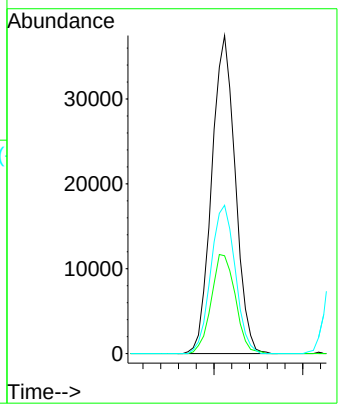
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

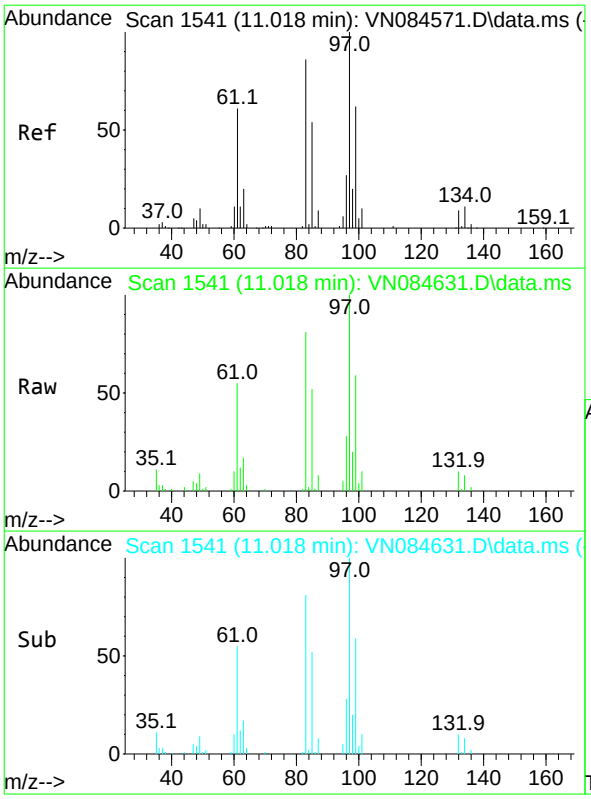


#54
cis-1,3-Dichloropropene
Concen: 18.686 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 69008

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.2	36.2
39	46.6	38.7	58.1

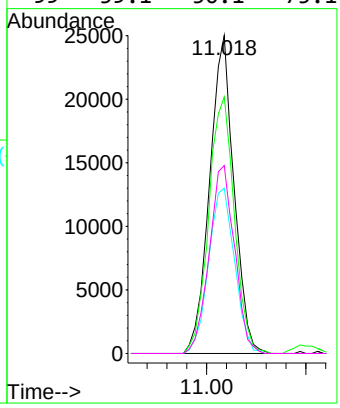




#55
1,1,2-Trichloroethane
Concen: 19.987 ug/l
RT: 11.018 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 97 Resp: 42540

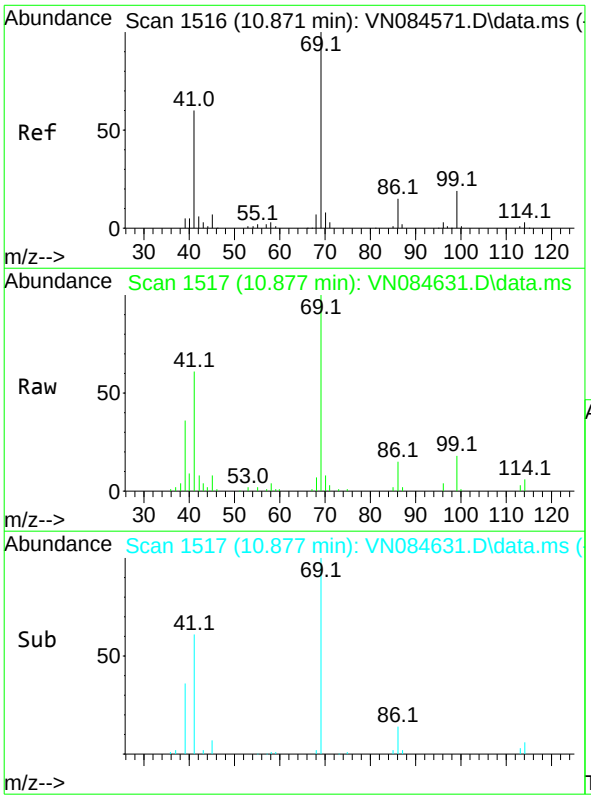
Ion	Ratio	Lower	Upper
97	100		
83	80.7	71.0	106.4
85	52.0	41.7	62.5
99	59.1	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

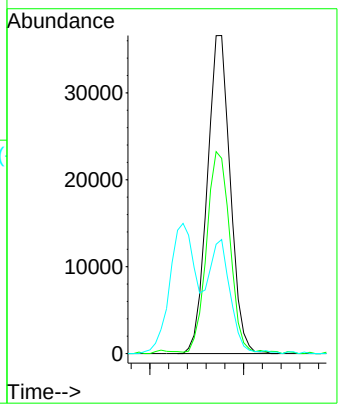
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

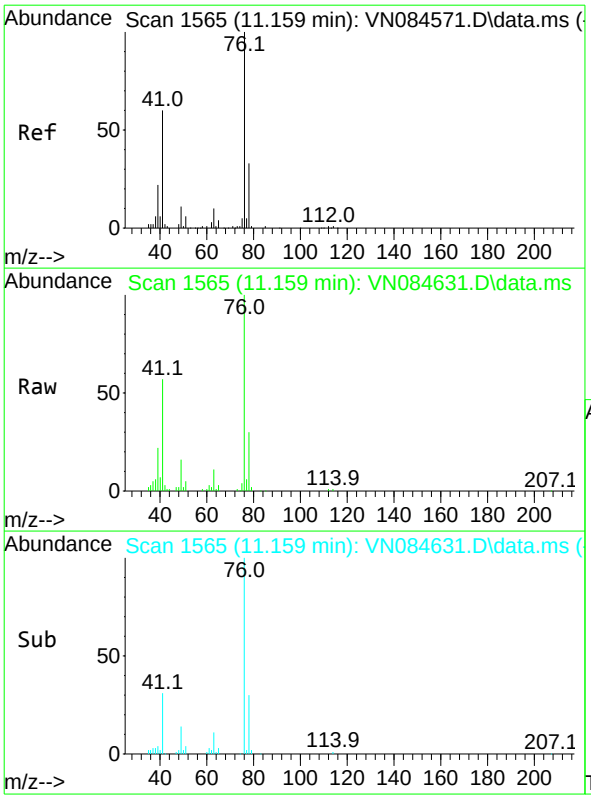


#56
Ethyl methacrylate
Concen: 20.246 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 69 Resp: 62329

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.3	79.9
39	33.8	28.8	43.2

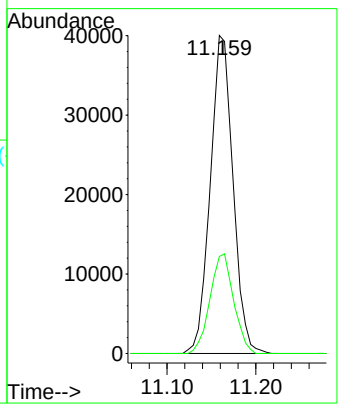




#57
1,3-Dichloropropane
Concen: 19.510 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 76 Resp: 71264

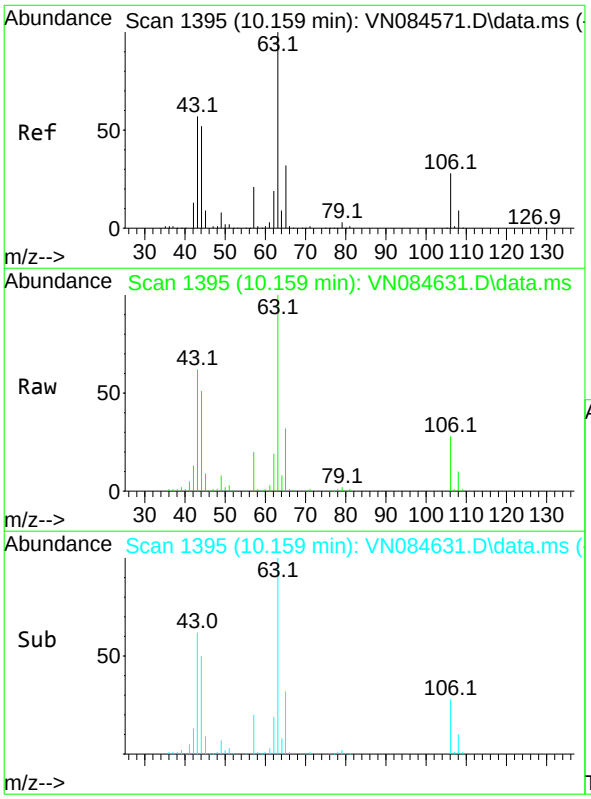
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

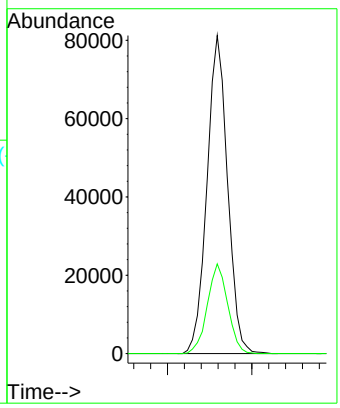
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

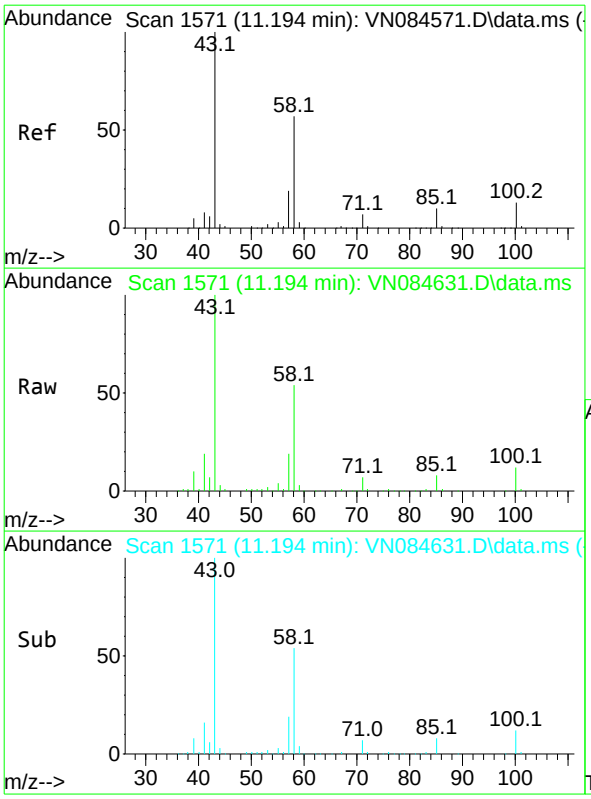


#58
2-Chloroethyl Vinyl ether
Concen: 95.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 63 Resp: 137645

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6

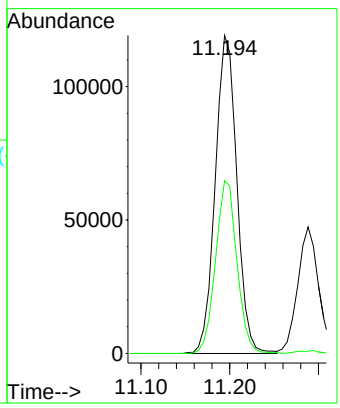




#59
2-Hexanone
Concen: 106.361 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 201434

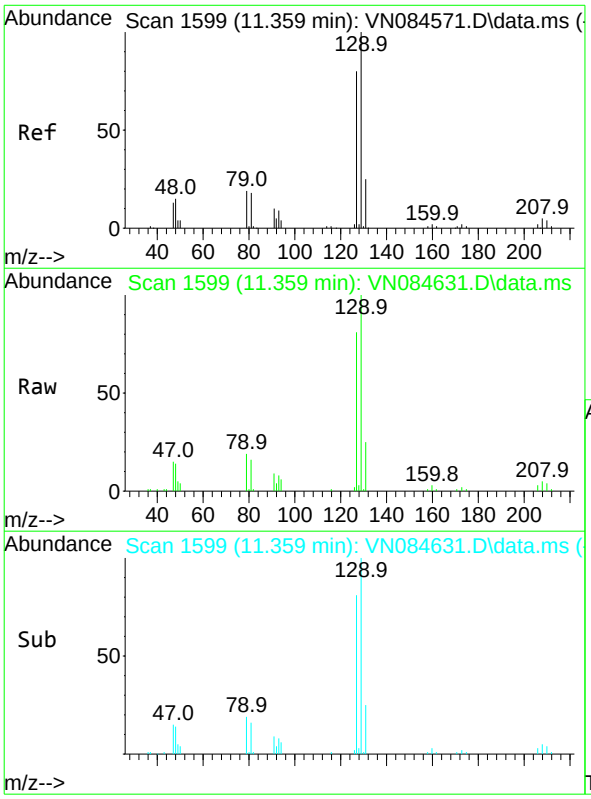
Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

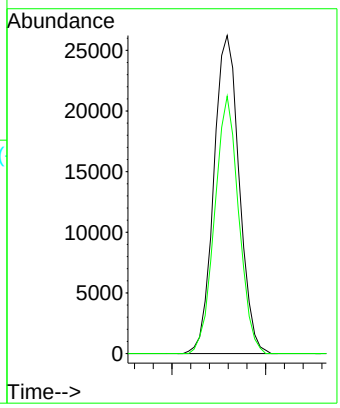
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

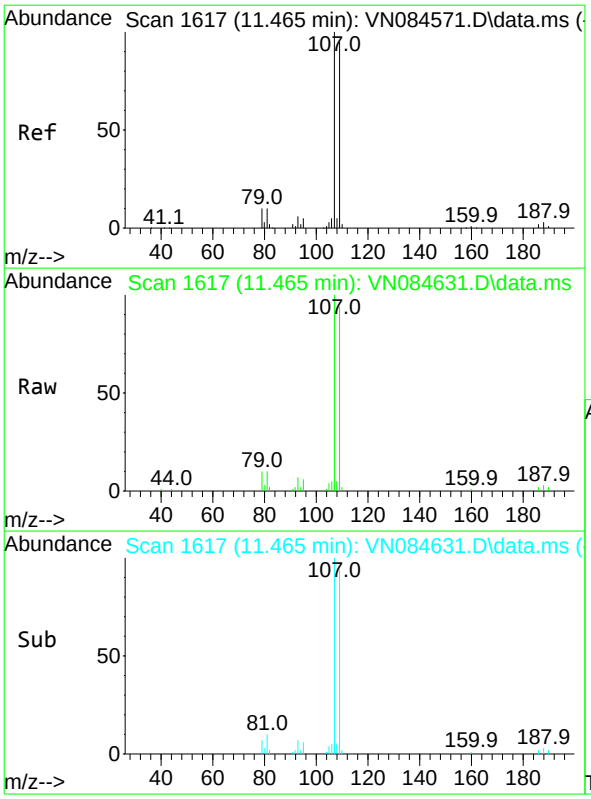


#60
Dibromochloromethane
Concen: 20.336 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:129 Resp: 49329

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9

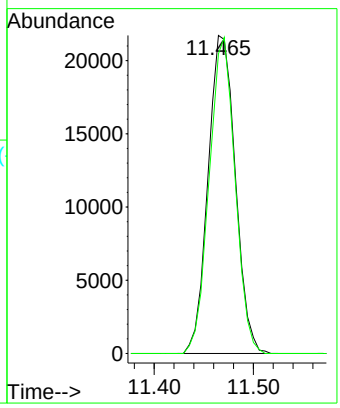




#61
1,2-Dibromoethane
Concen: 19.014 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:107 Resp: 41441

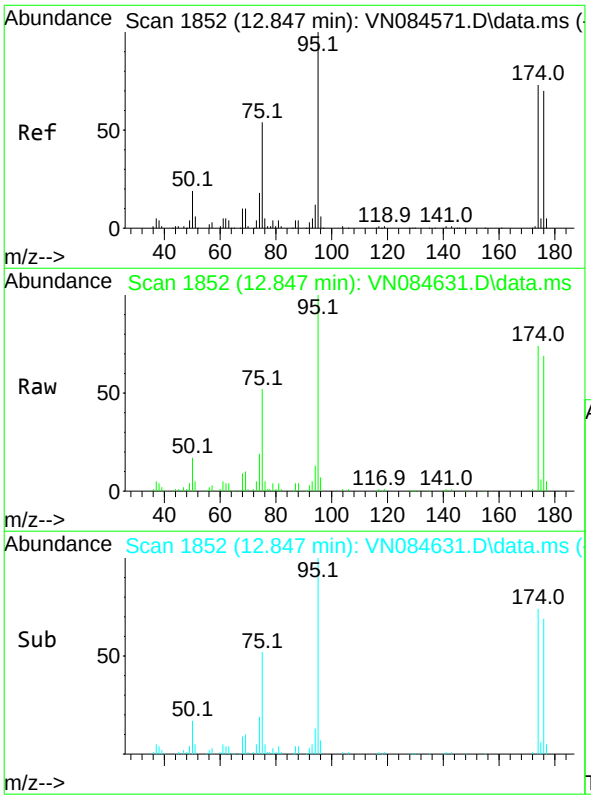
Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

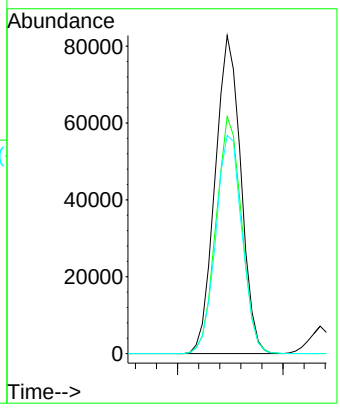
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

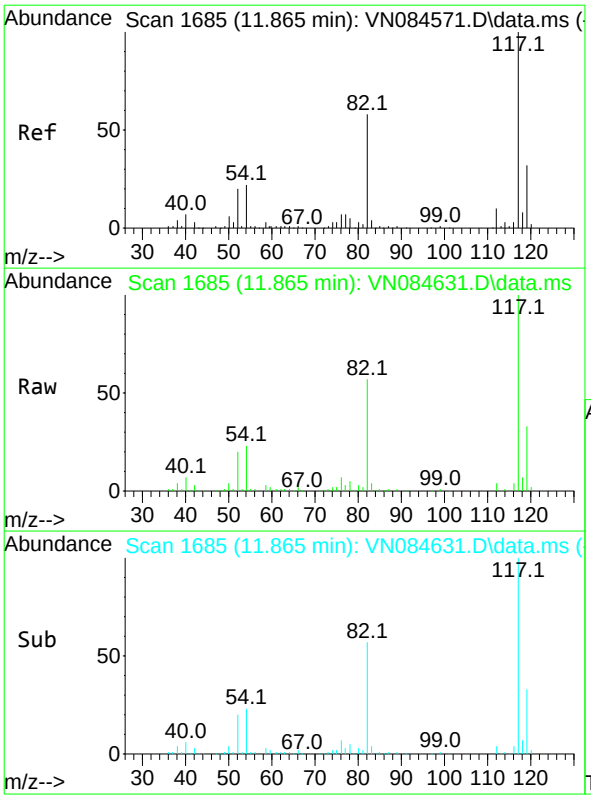


#62
4-Bromofluorobenzene
Concen: 47.047 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 95 Resp: 140490

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	70.3	0.0	140.0

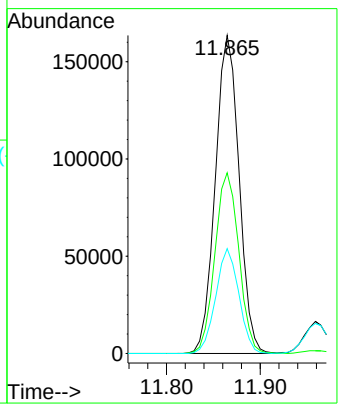




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:117 Resp: 287801

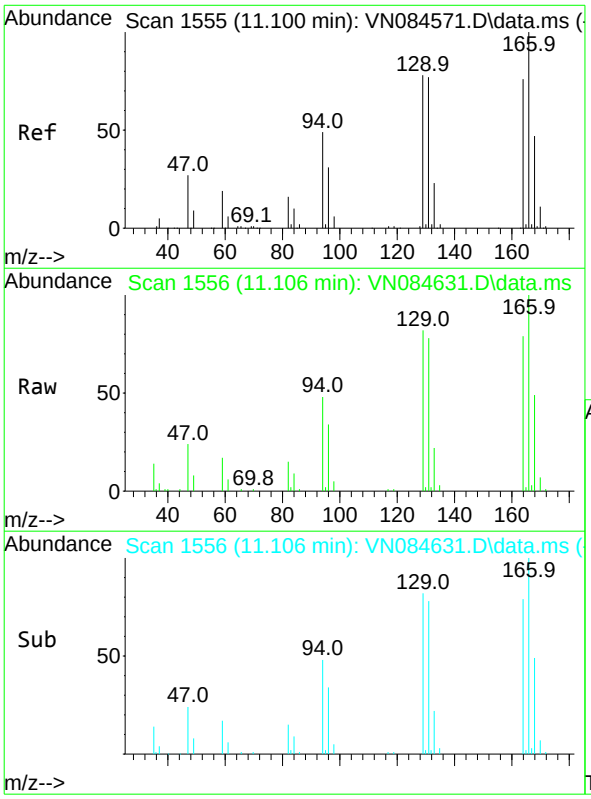
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	33.0	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

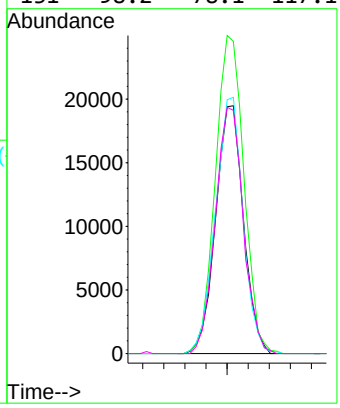
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

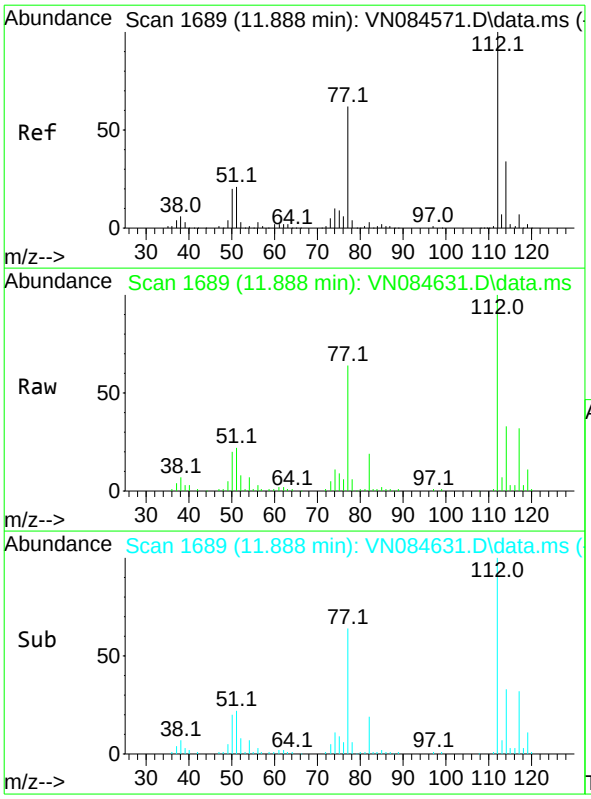


#64
Tetrachloroethene
Concen: 18.628 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:164 Resp: 35660

Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.4
129	103.4	80.8	121.2
131	98.2	78.1	117.1

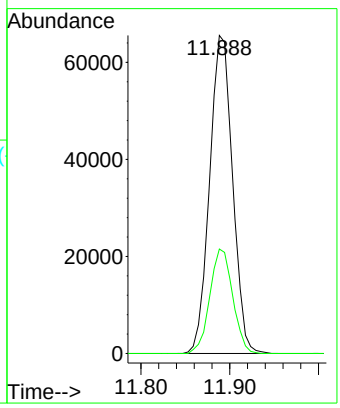




#65
Chlorobenzene
Concen: 18.278 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:112 Resp: 117685

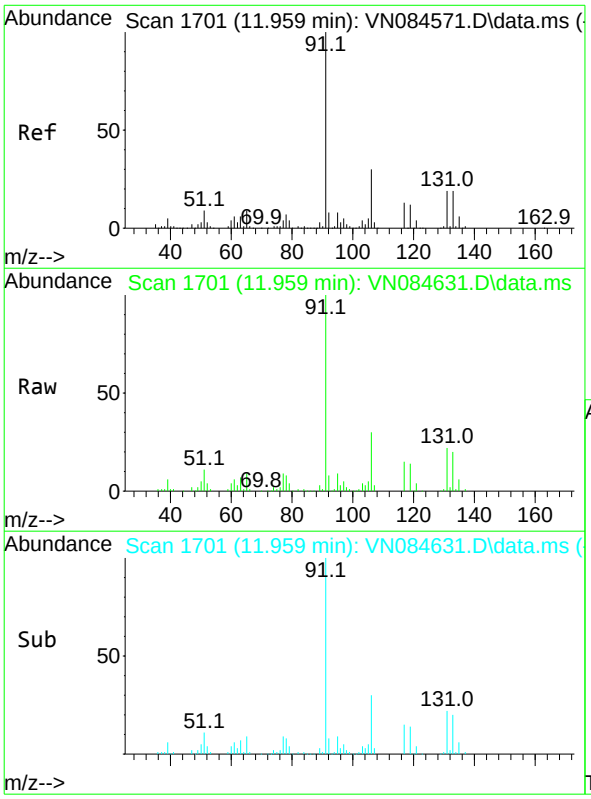
Ion	Ratio	Lower	Upper
112	100		
114	32.8	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

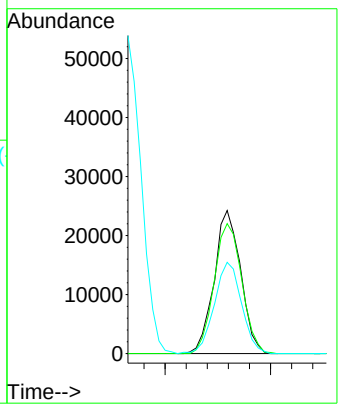
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

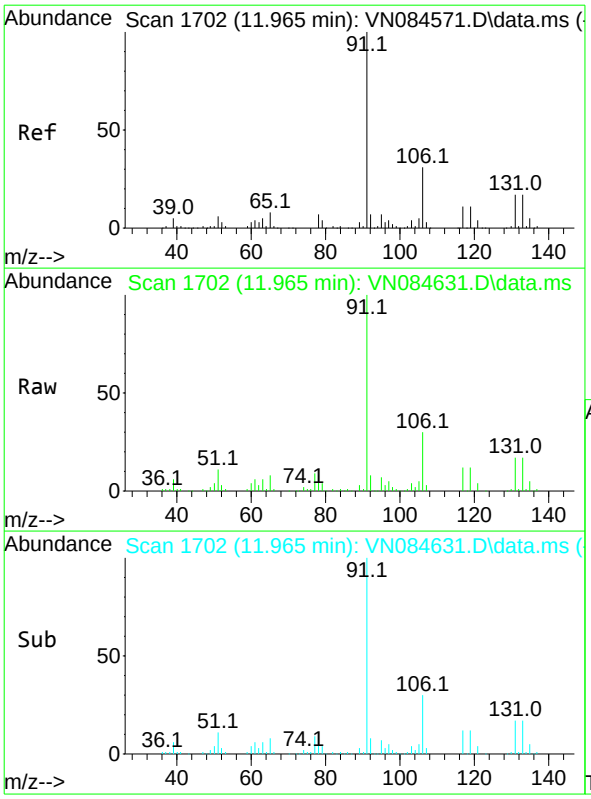


#66
1,1,1,2-Tetrachloroethane
Concen: 18.934 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:131 Resp: 42403

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	65.4	32.8	98.3

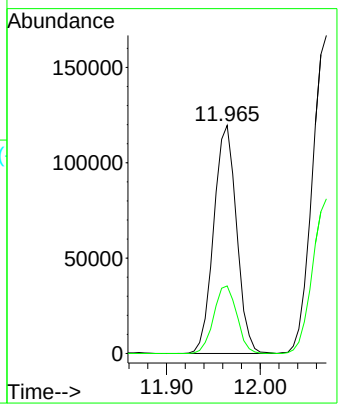




#67
Ethyl Benzene
Concen: 18.829 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 202367

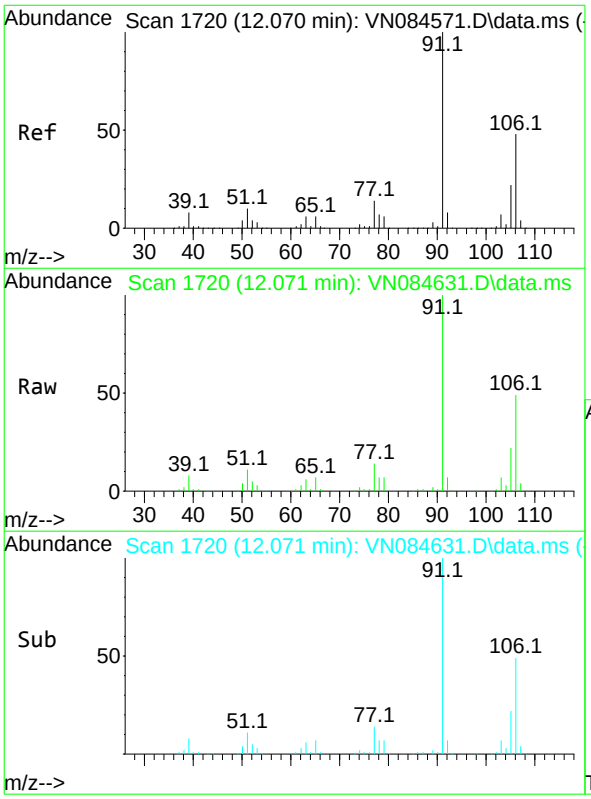
Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

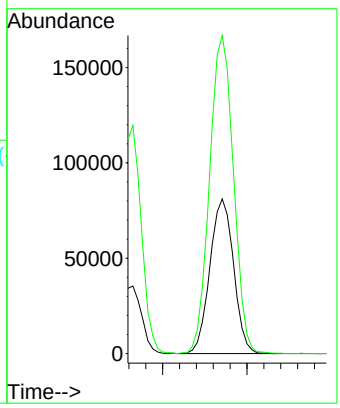
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

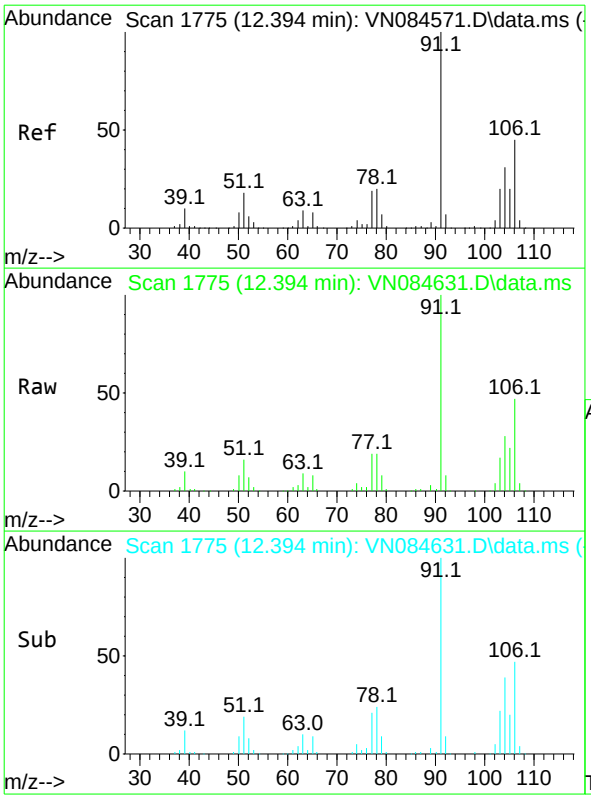


#68
m/p-Xylenes
Concen: 38.934 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:106 Resp: 158415

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.1	250.7

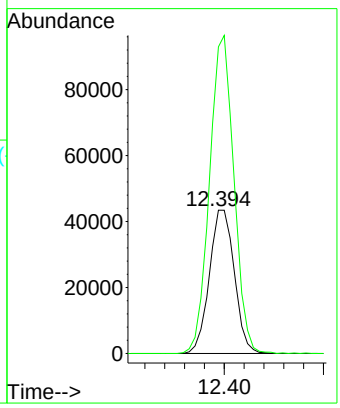




#69
o-Xylene
Concen: 19.953 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:106 Resp: 75949

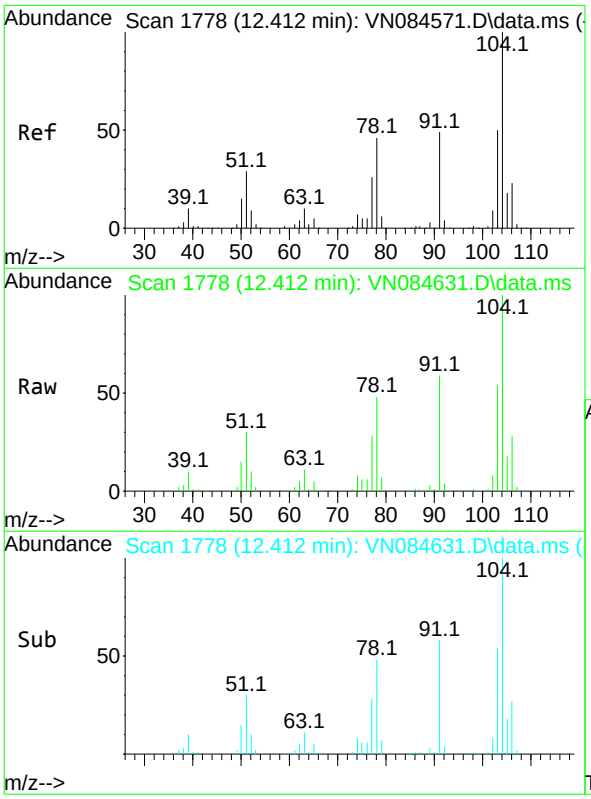
Ion	Ratio	Lower	Upper
106	100		
91	216.6	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

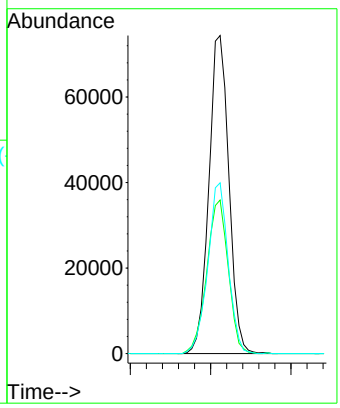
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

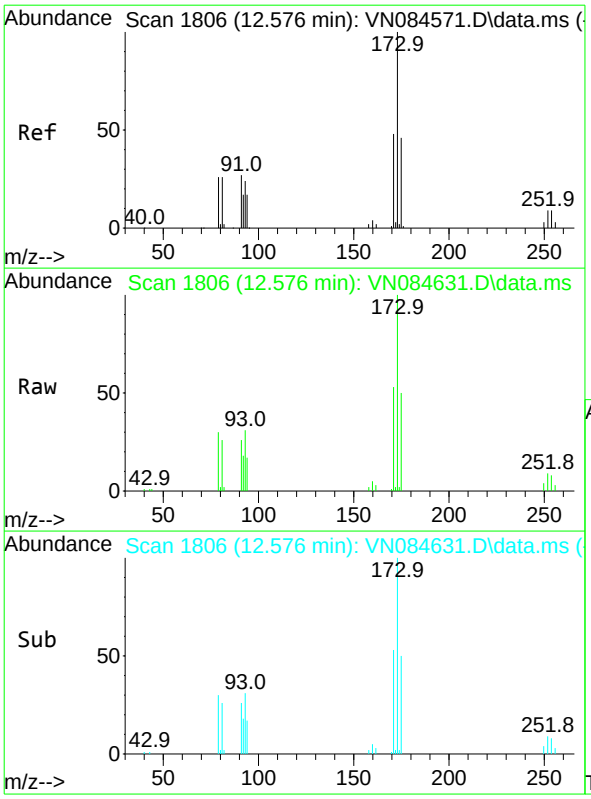


#70
Styrene
Concen: 19.394 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:104 Resp: 128771

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.6	43.6	65.4

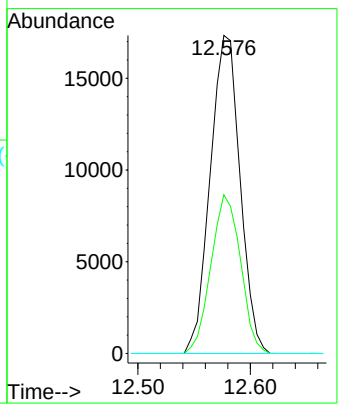




#71
Bromoform
Concen: 18.968 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:173 Resp: 31965

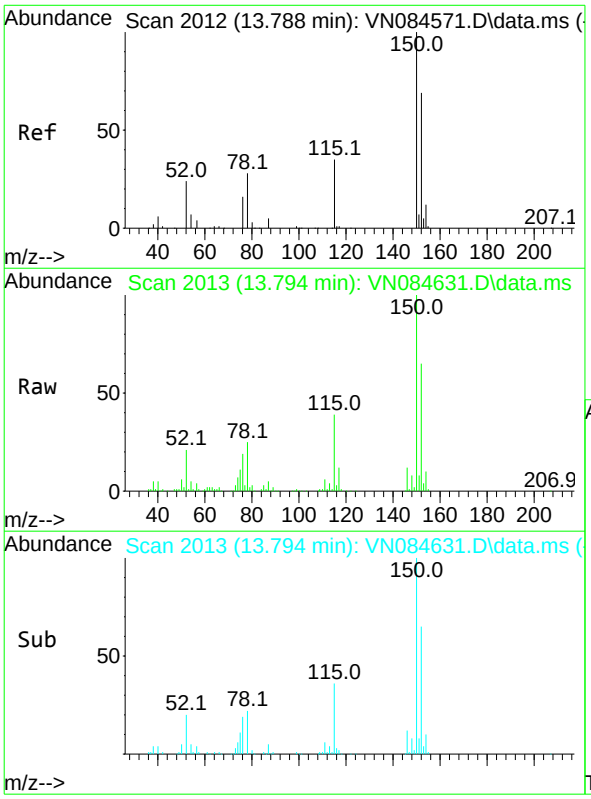
Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

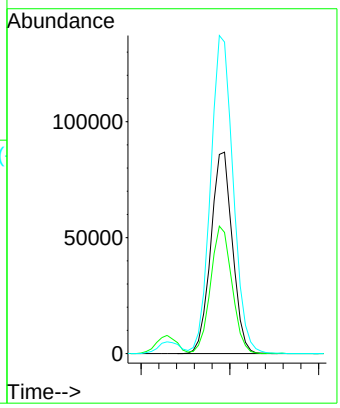
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

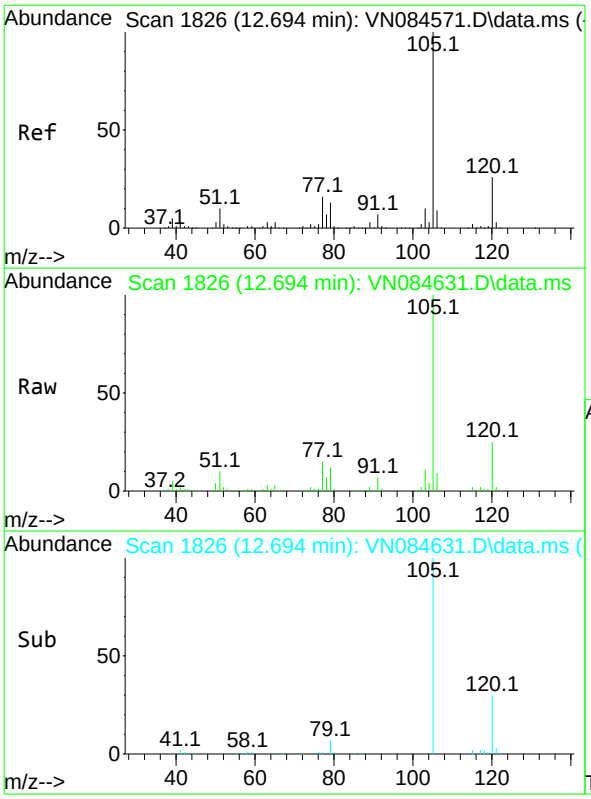


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:152 Resp: 147052

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	164.9	0.0	349.8

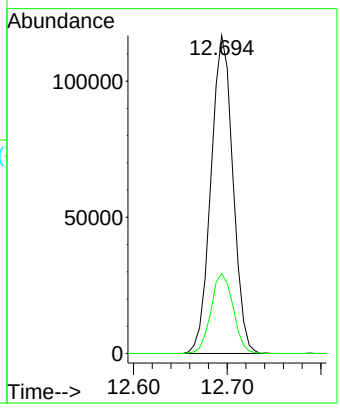




#73
Isopropylbenzene
Concen: 18.450 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 190126

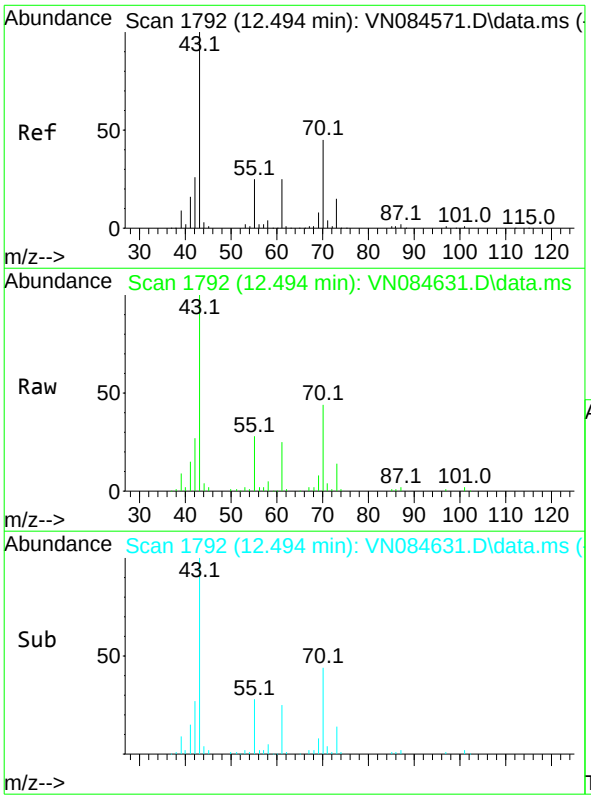
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

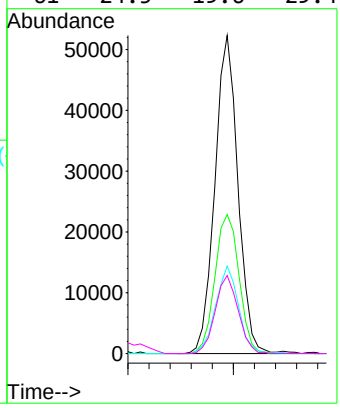
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

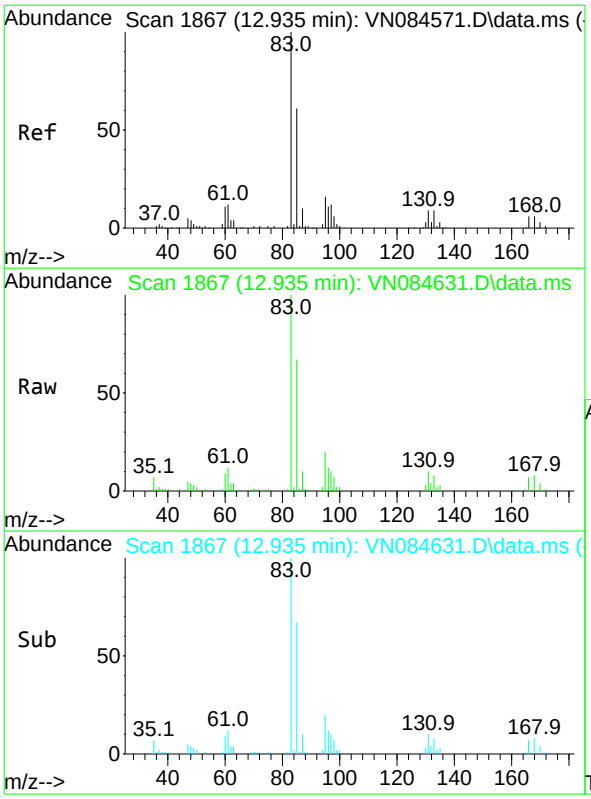


#74
N-amyl acetate
Concen: 18.112 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 79438

Ion	Ratio	Lower	Upper
43	100		
70	45.8	34.4	51.6
55	27.3	19.6	29.4
61	24.5	19.6	29.4

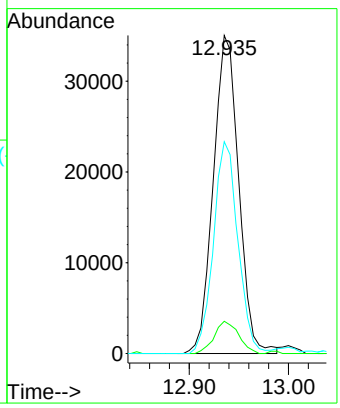




#75
1,1,2,2-Tetrachloroethane
Concen: 18.101 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 83 Resp: 62261

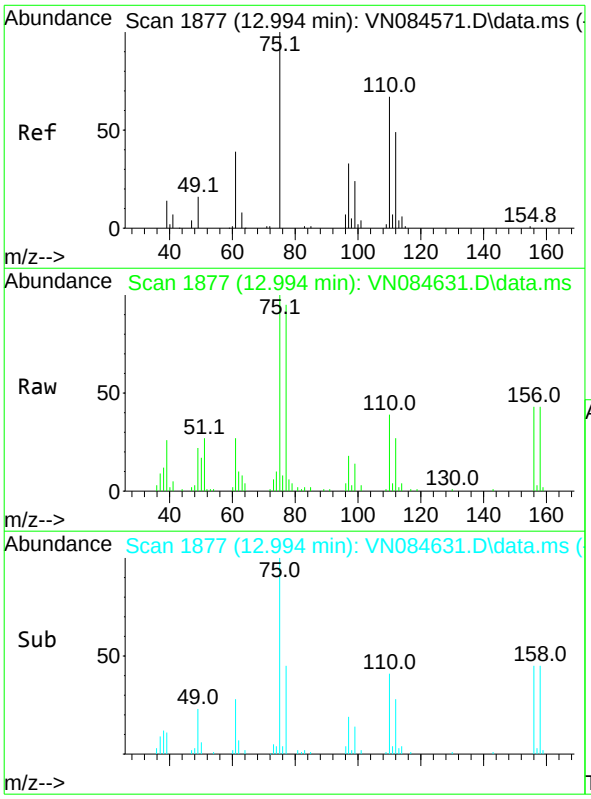
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

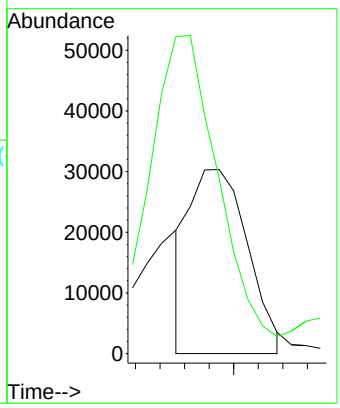
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

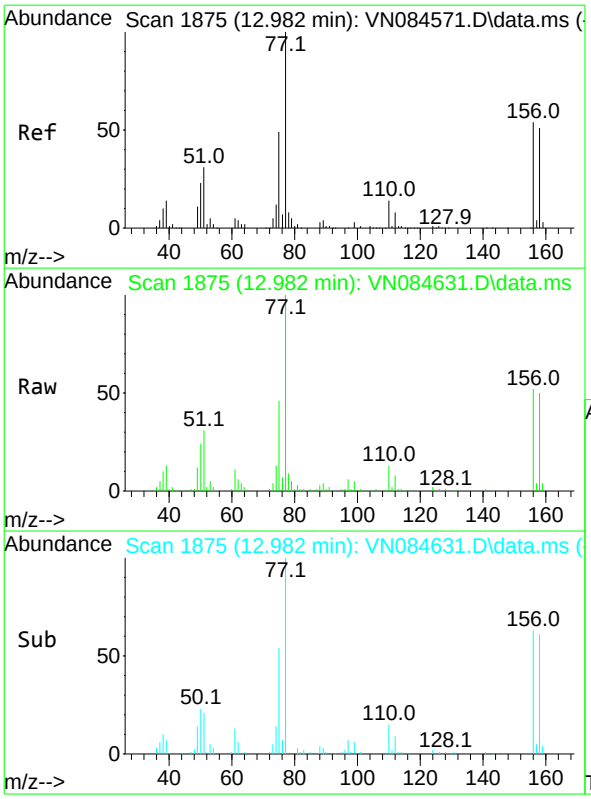


#76
1,2,3-Trichloropropane
Concen: 16.997 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 49964

Ion	Ratio	Lower	Upper
75	100		
77	210.9	96.9	290.7

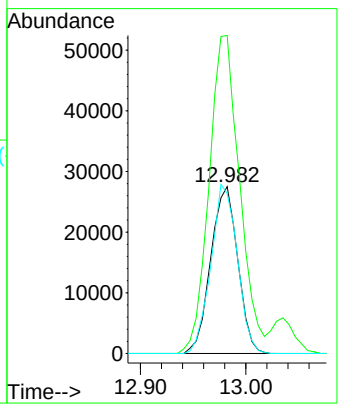




#77
Bromobenzene
Concen: 17.662 ug/l
RT: 12.982 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:156 Resp: 48929

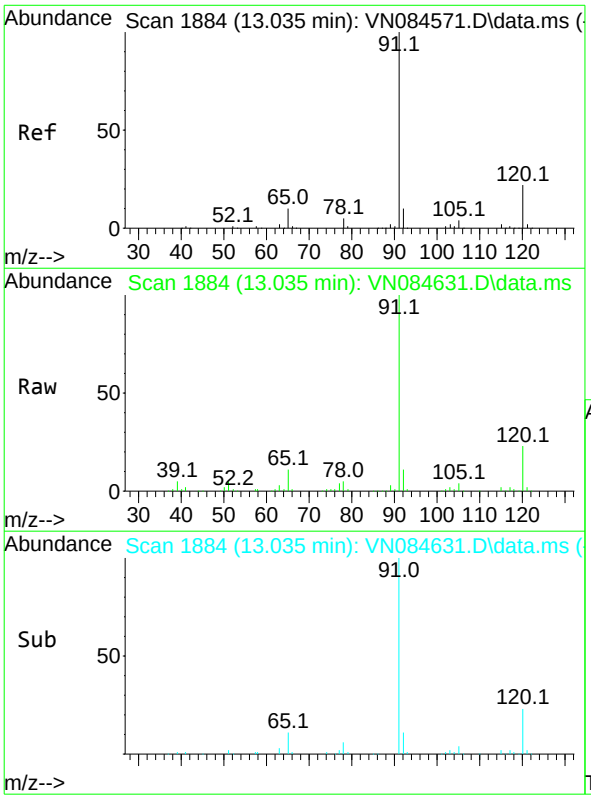
Ion	Ratio	Lower	Upper
156	100		
77	215.4	115.1	345.3
158	99.1	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

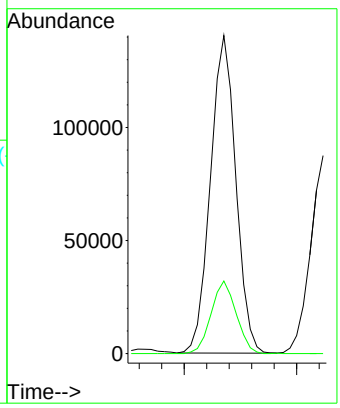
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

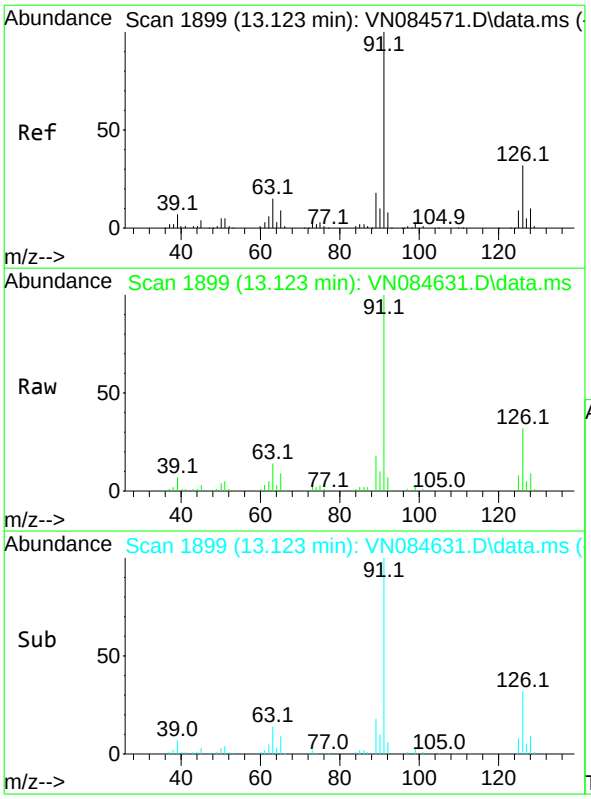


#78
n-propylbenzene
Concen: 18.224 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 220072

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4

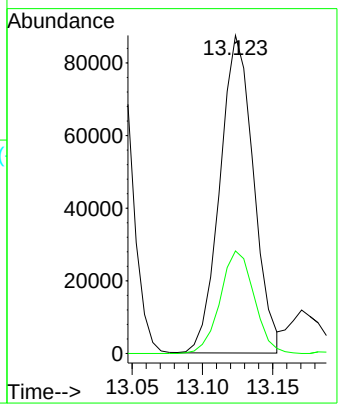




#79
2-Chlorotoluene
Concen: 18.441 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 145506

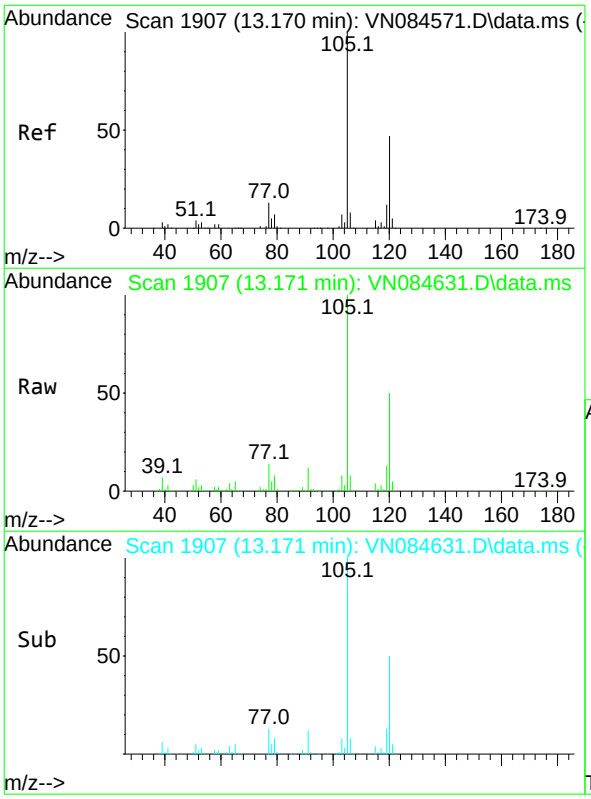
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

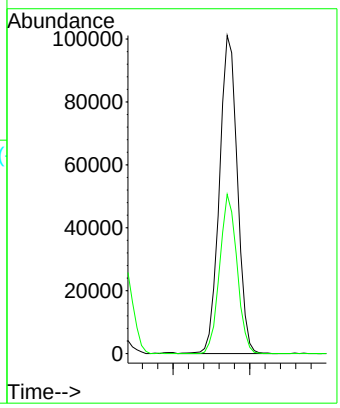
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

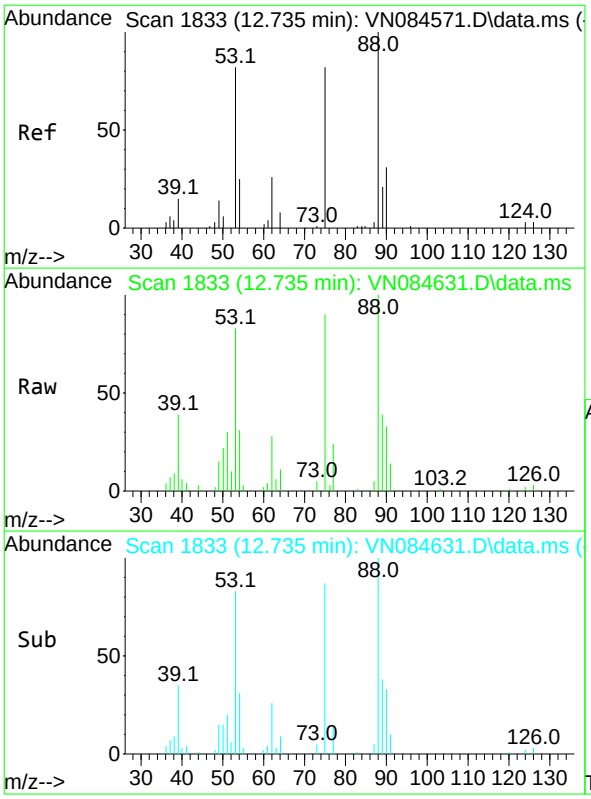


#80
1,3,5-Trimethylbenzene
Concen: 19.222 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 164177

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1

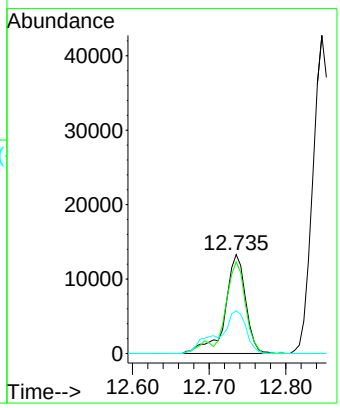




#81
trans-1,4-Dichloro-2-butene
Concen: 20.001 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 24782

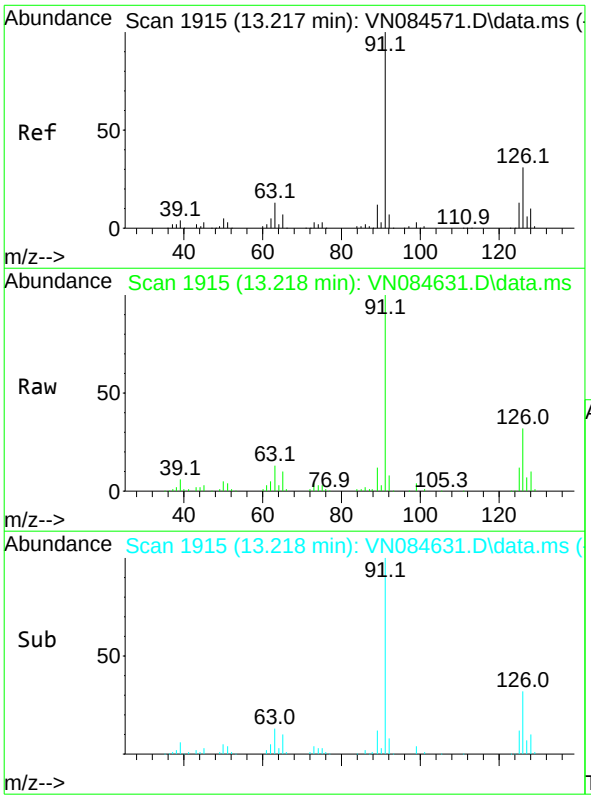
Ion	Ratio	Lower	Upper
75	100		
53	84.4	78.0	117.0
89	58.4	35.5	53.3#



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

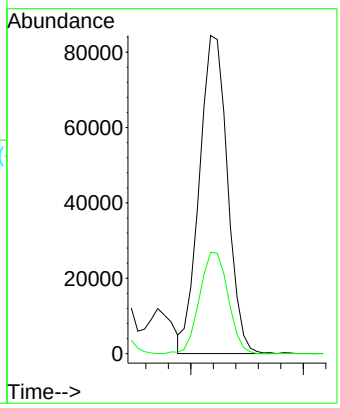
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

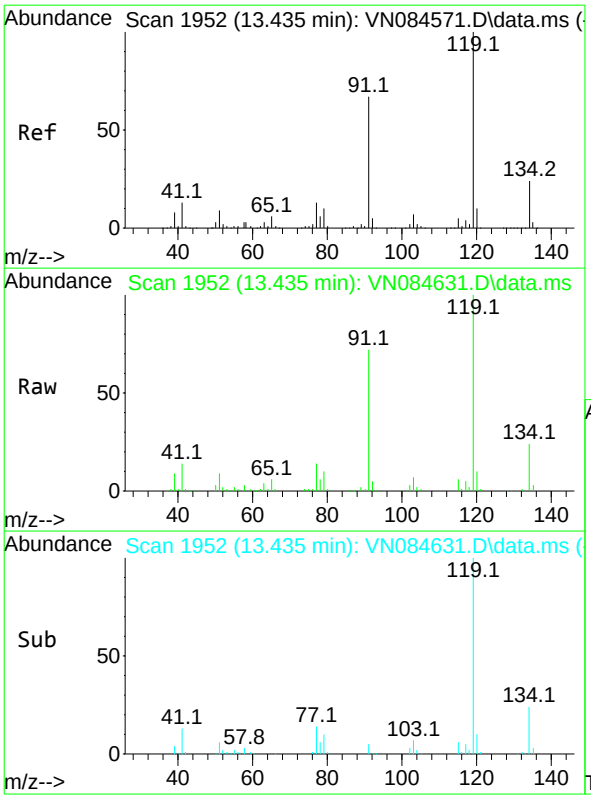


#82
4-Chlorotoluene
Concen: 17.670 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 146733

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

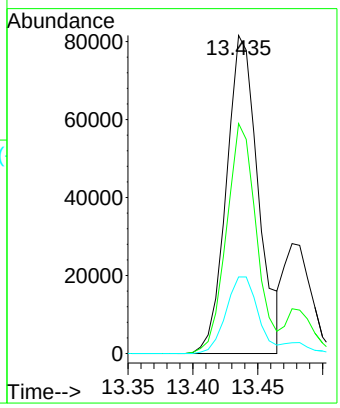




#83
tert-Butylbenzene
Concen: 19.657 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:119 Resp: 138949

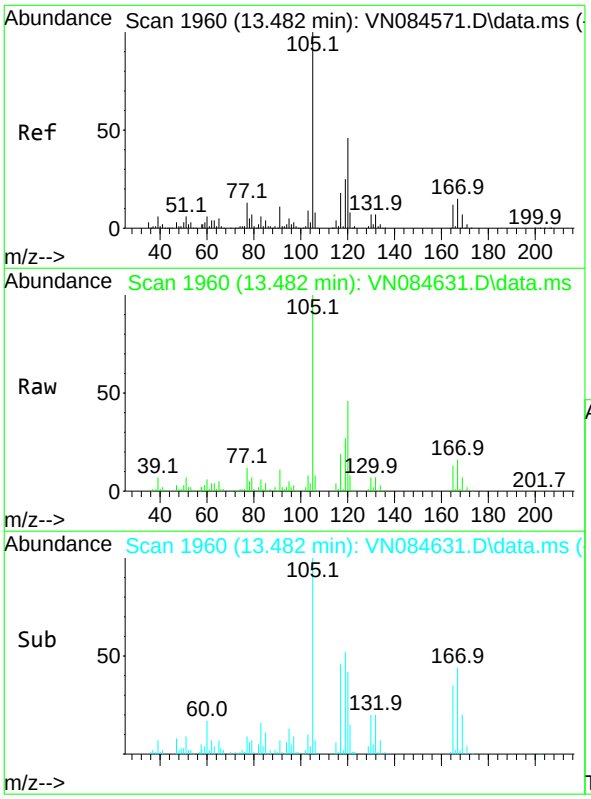
Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.1	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

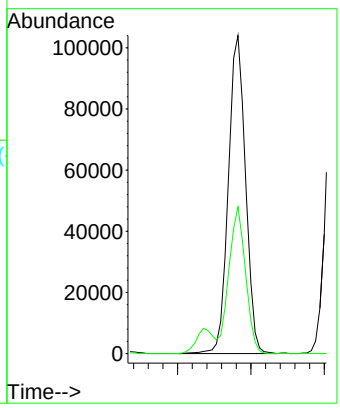
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

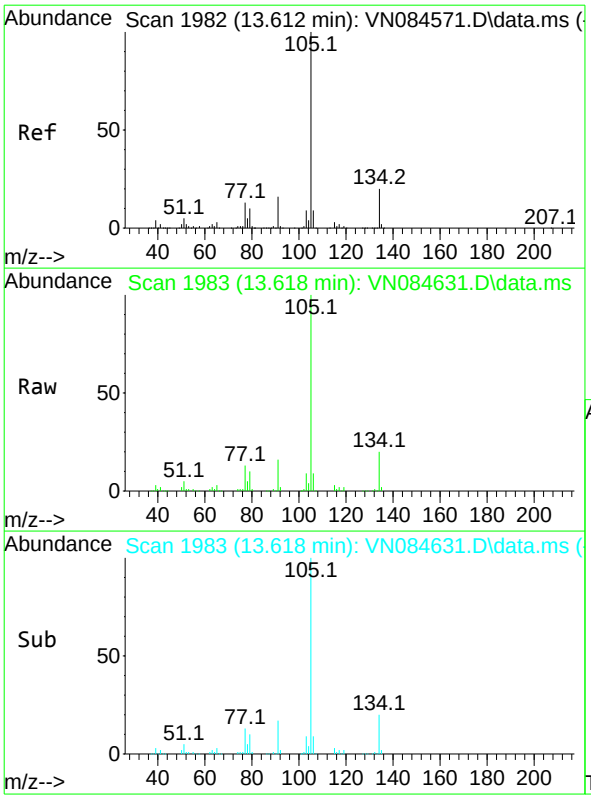


#84
1,2,4-Trimethylbenzene
Concen: 19.200 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 169251

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8

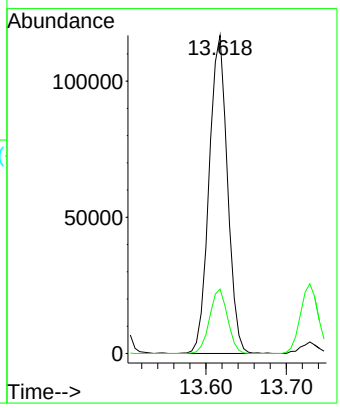




#85
sec-Butylbenzene
Concen: 18.558 ug/l
RT: 13.618 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 185297

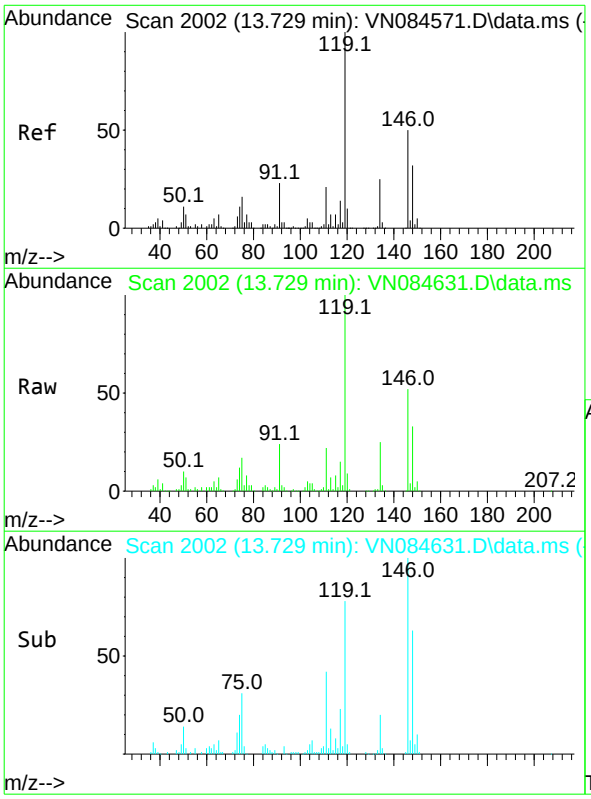
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

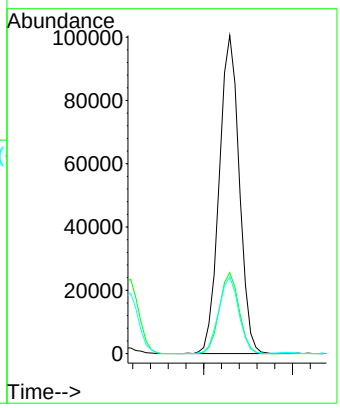
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

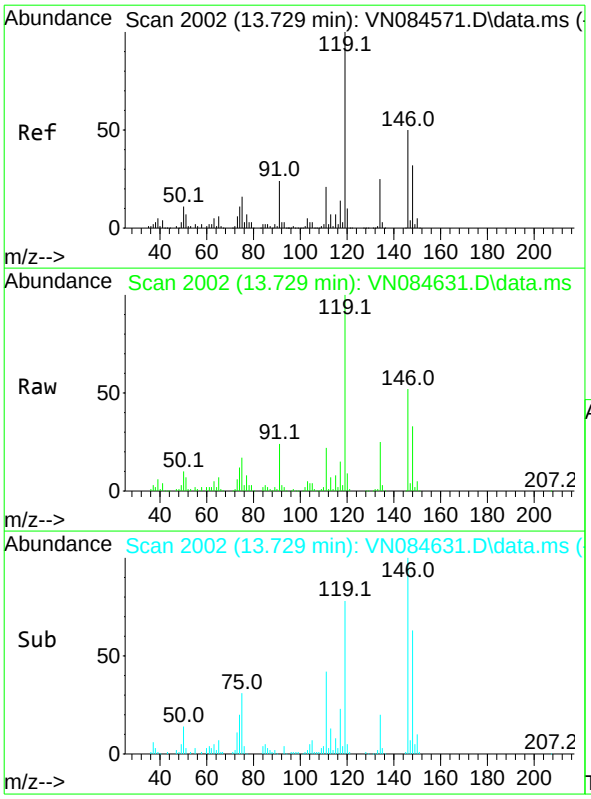


#86
p-Isopropyltoluene
Concen: 19.288 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:119 Resp: 157950

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.1	12.4	37.2

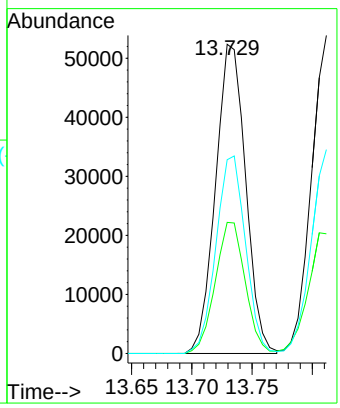




#87
1,3-Dichlorobenzene
Concen: 16.849 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:146 Resp: 91095

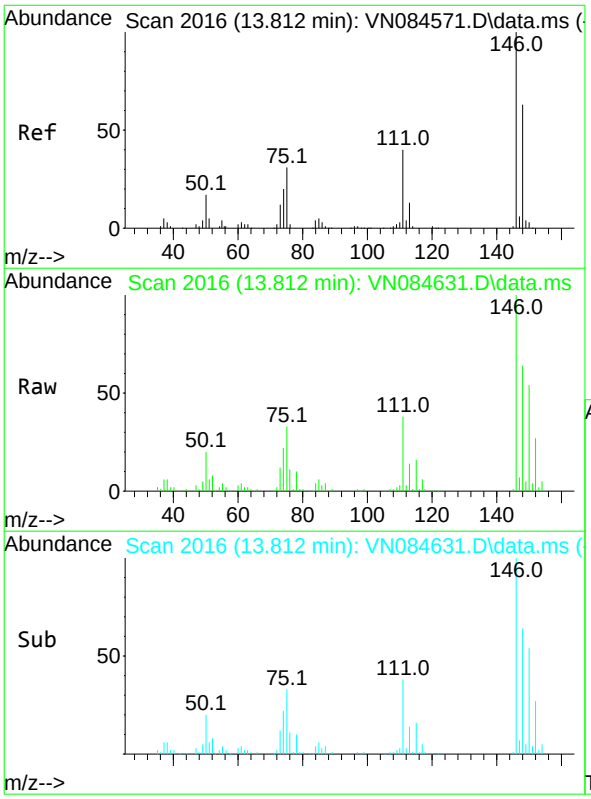
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	62.6	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

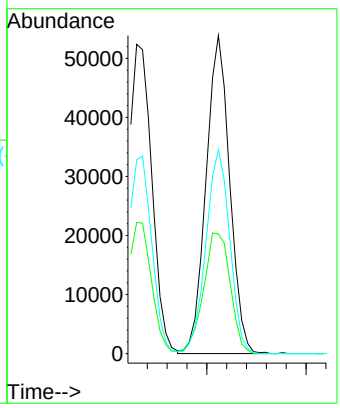
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

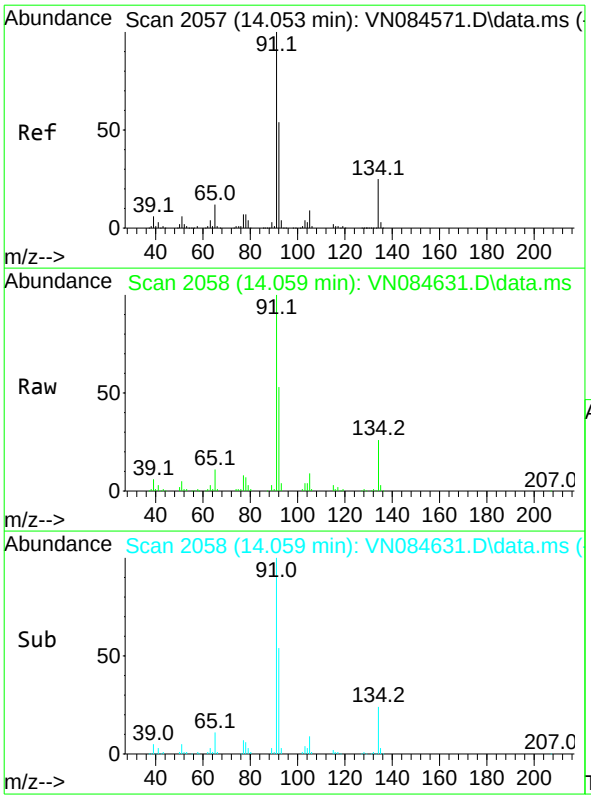


#88
1,4-Dichlorobenzene
Concen: 17.266 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:146 Resp: 89211

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.5	31.9	95.9

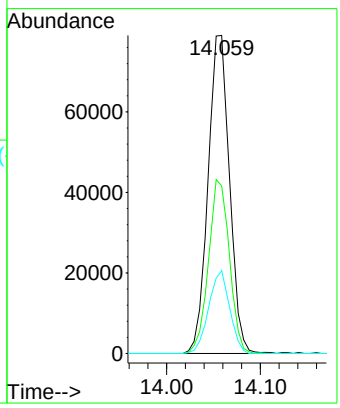




#89
n-Butylbenzene
Concen: 16.453 ug/l
RT: 14.059 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 126030

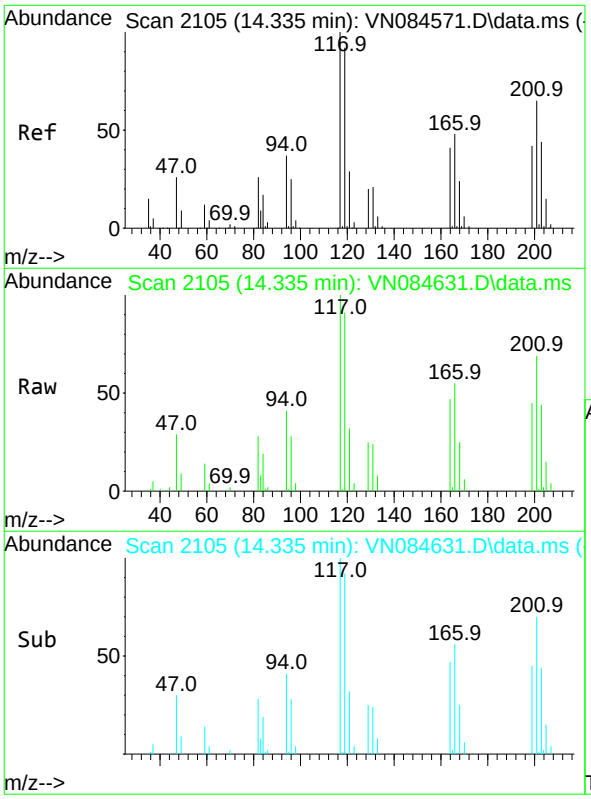
Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.4	12.3	36.9



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

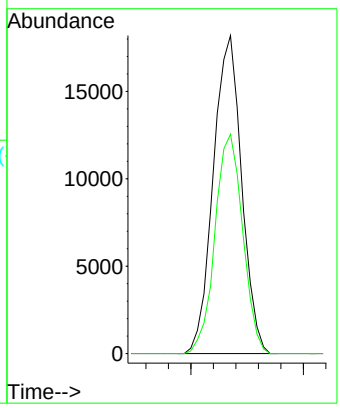
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

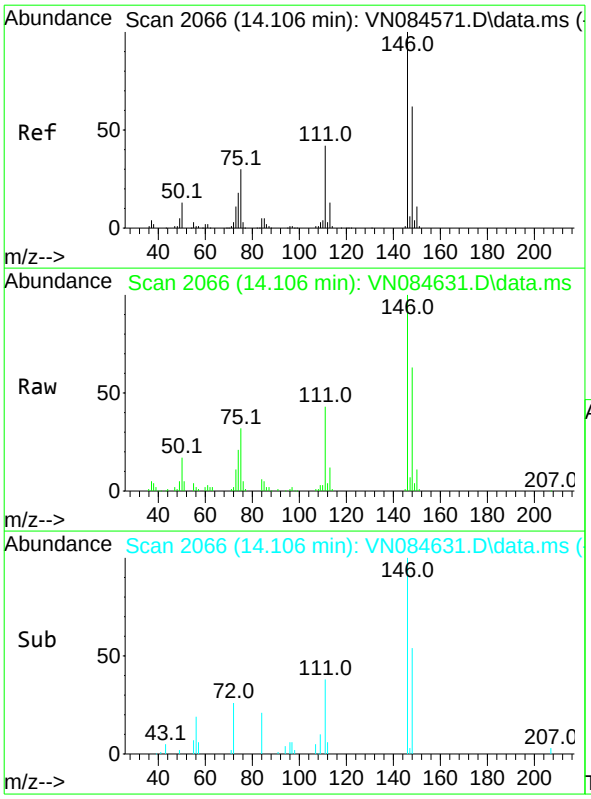


#90
Hexachloroethane
Concen: 17.431 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:117 Resp: 31832

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.4	103.2

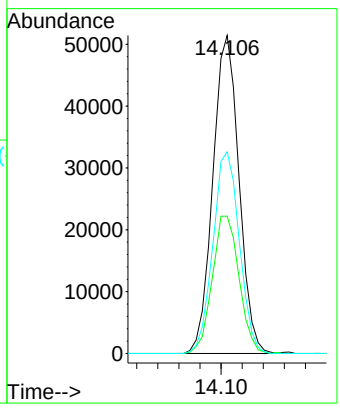




#91
1,2-Dichlorobenzene
Concen: 17.005 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:146 Resp: 88346

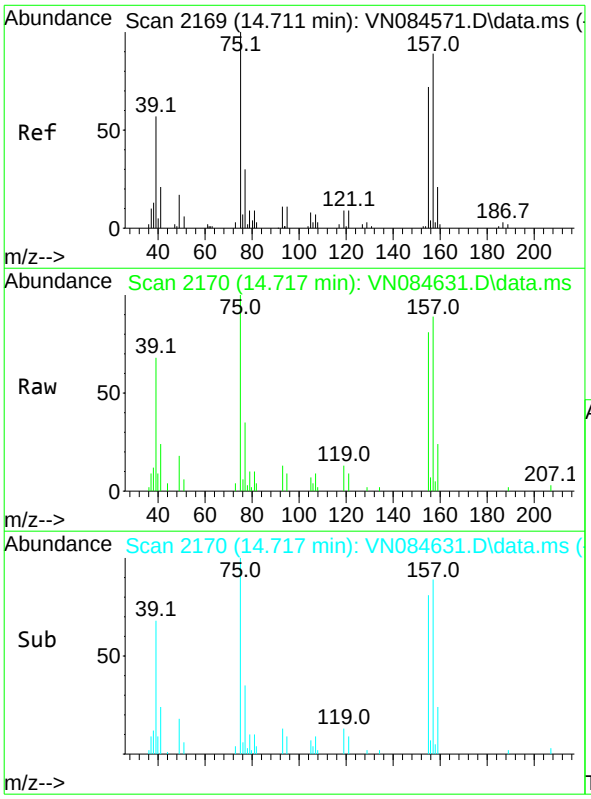
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	64.2	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

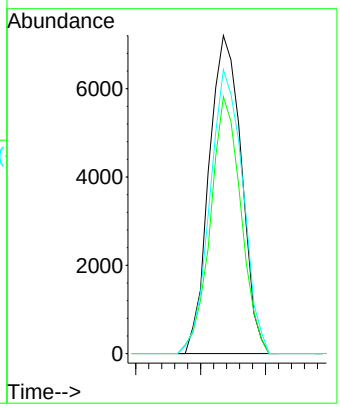
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

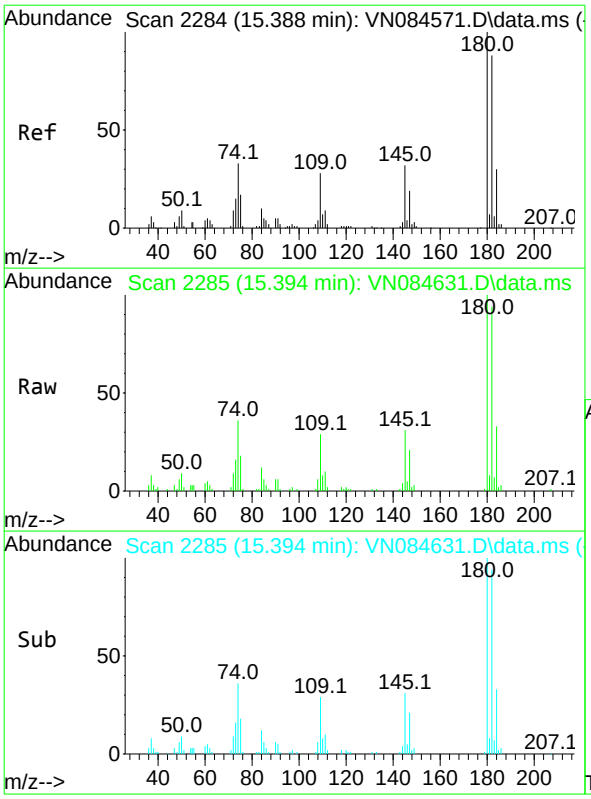


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.920 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 12487

Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.1	114.5
157	90.5	49.6	149.0

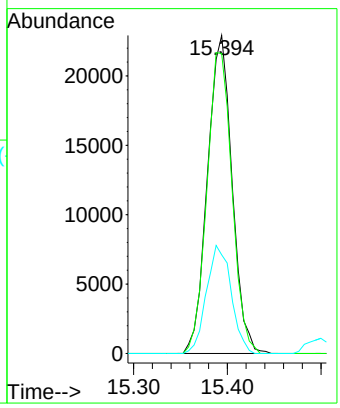




#93
1,2,4-Trichlorobenzene
Concen: 14.695 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:180 Resp: 41786

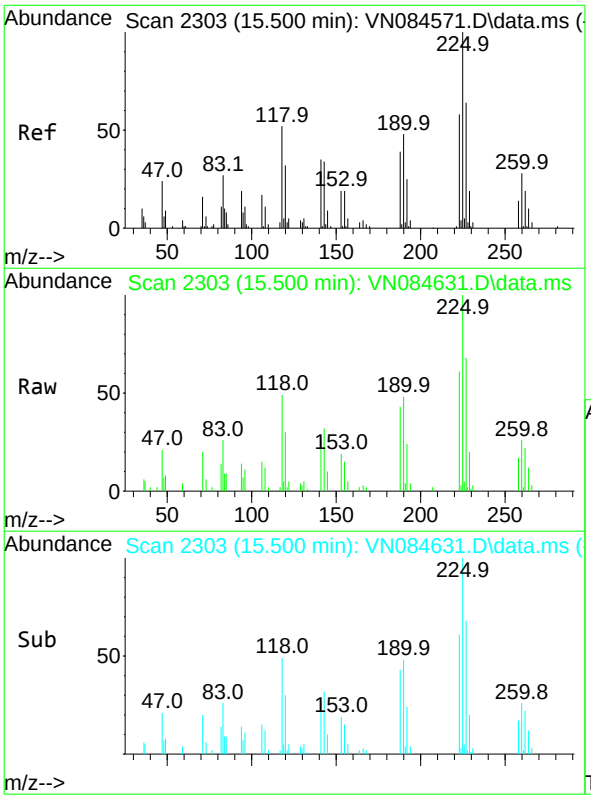
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.0
145	34.1	16.4	49.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations APPROVED

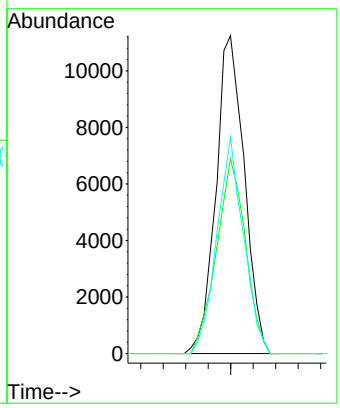
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

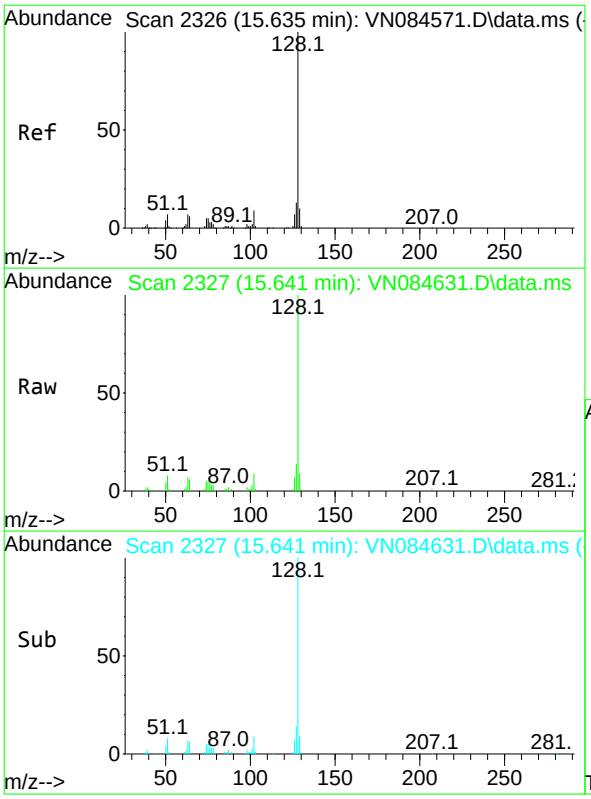


#94
Hexachlorobutadiene
Concen: 15.799 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:225 Resp: 19729

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.2
227	64.2	32.4	97.0

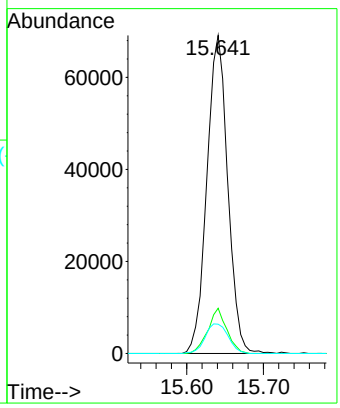




#95
Naphthalene
Concen: 15.357 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:128 Resp: 130709

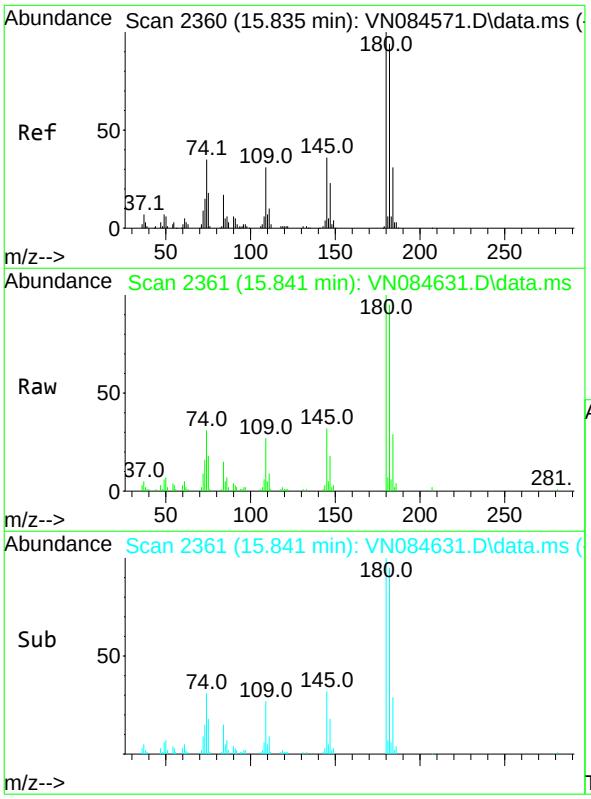
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.3	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Manual Integrations
APPROVED

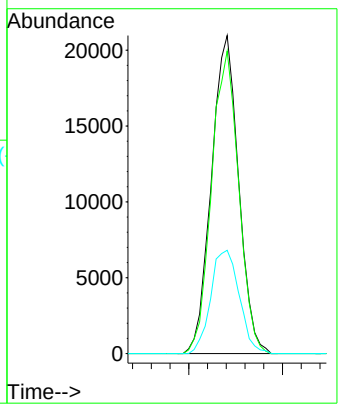
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 15.273 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:180 Resp: 42159

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	34.2	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:	VN1101WBSD01	SDG No.:	P4665
Lab Sample ID:	VN1101WBSD01	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
VN084632.D	1		11/01/24 12:32	VN110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	16.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.4		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.0		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		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	17.5		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.9		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	20.1		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.6		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		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	20.8		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.1		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:	VN1101WBSD01	SDG No.:	P4665
Lab Sample ID:	VN1101WBSD01	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
VN084632.D	1		11/01/24 12:32	VN110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.1		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	19.5		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	18.7		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	18.5		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.0		81 - 118		90%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		80 - 119		93%	SPK: 50
2037-26-5	Toluene-d8	46.3		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	180000	8.224				
540-36-3	1,4-Difluorobenzene	304000	9.1				
3114-55-4	Chlorobenzene-d5	276000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	140000	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\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:25:11 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 :
VN1101WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	179647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116705	44.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.960%			
35) Dibromofluoromethane	8.165	113	95578	46.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	10.565	98	350812	46.293	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.580%			
62) 4-Bromofluorobenzene	12.847	95	131770	46.526	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39968	19.353	ug/l	97
3) Chloromethane	2.365	50	44651	16.750	ug/l	100
4) Vinyl Chloride	2.512	62	41926	18.875	ug/l	96
5) Bromomethane	2.901	94	21697	18.436	ug/l	93
6) Chloroethane	3.071	64	27307	18.995	ug/l	95
7) Trichlorofluoromethane	3.465	101	73409	20.063	ug/l	94
8) Diethyl Ether	3.948	74	26516	20.543	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	40756	19.712	ug/l	96
10) Methyl Iodide	4.577	142	53396	19.324	ug/l	95
11) Tert butyl alcohol	5.542	59	32016	93.479	ug/l	98
12) 1,1-Dichloroethene	4.324	96	37823	18.488	ug/l	96
13) Acrolein	4.177	56	35001	102.484	ug/l	97
14) Allyl chloride	5.012	41	64716	19.506	ug/l	92
15) Acrylonitrile	5.718	53	104289	105.182	ug/l	98
16) Acetone	4.424	43	80384	105.601	ug/l	99
17) Carbon Disulfide	4.701	76	110433	17.529	ug/l	99
18) Methyl Acetate	5.012	43	56734	18.181	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	128070	20.424	ug/l	97
20) Methylene Chloride	5.271	84	44336	19.428	ug/l	86
21) trans-1,2-Dichloroethene	5.771	96	39898	18.993	ug/l	99
22) Diisopropyl ether	6.671	45	136989	20.780	ug/l	97
23) Vinyl Acetate	6.600	43	473087	104.061	ug/l	99
24) 1,1-Dichloroethane	6.559	63	78807	19.911	ug/l	96
25) 2-Butanone	7.483	43	126655	104.629	ug/l	99
26) 2,2-Dichloropropane	7.489	77	68278	19.820	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	48150	19.630	ug/l	98
28) Bromochloromethane	7.812	49	34905	22.135	ug/l	93
29) Tetrahydrofuran	7.841	42	83561	104.051	ug/l	96
30) Chloroform	7.959	83	80798	20.057	ug/l	96
31) Cyclohexane	8.253	56	69908	19.515	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	73597	20.072	ug/l	98
36) 1,1-Dichloropropene	8.365	75	54311	19.036	ug/l	99
37) Ethyl Acetate	7.559	43	54883	21.202	ug/l	98
38) Carbon Tetrachloride	8.359	117	63997	20.068	ug/l	98
39) Methylcyclohexane	9.600	83	56902	19.604	ug/l	99
40) Benzene	8.600	78	178059	19.433	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:25:11 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 :
VN1101WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29975	21.533 ug/l		96
42) 1,2-Dichloroethane	8.671	62	60410	20.358 ug/l		98
43) Isopropyl Acetate	8.688	43	94407	19.145 ug/l		99
44) Trichloroethene	9.347	130	40547	19.188 ug/l		97
45) 1,2-Dichloropropane	9.624	63	43144	20.073 ug/l		99
46) Dibromomethane	9.706	93	29954	19.750 ug/l		96
47) Bromodichloromethane	9.888	83	64340	20.125 ug/l		93
48) Methyl methacrylate	9.683	41	41114	20.408 ug/l		96
49) 1,4-Dioxane	9.700	88	15620	437.525 ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	269825	109.342 ug/l		99
52) Toluene	10.630	92	111675	20.840 ug/l		98
53) t-1,3-Dichloropropene	10.835	75	63947	19.323 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	68709	19.617 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	42554	21.081 ug/l		94
56) Ethyl methacrylate	10.871	69	62143	21.283 ug/l		98
57) 1,3-Dichloropropane	11.159	76	70269	20.283 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137129	100.367 ug/l		98
59) 2-Hexanone	11.194	43	194808	108.454 ug/l		97
60) Dibromochloromethane	11.359	129	48478	21.072 ug/l		100
61) 1,2-Dibromoethane	11.465	107	42488	20.554 ug/l		96
64) Tetrachloroethene	11.100	164	36361	19.779 ug/l		95
65) Chlorobenzene	11.888	112	116675	18.870 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	42973	19.982 ug/l		99
67) Ethyl Benzene	11.965	91	200430	19.420 ug/l		99
68) m/p-Xylenes	12.071	106	155447	39.784 ug/l		98
69) o-Xylene	12.400	106	73499	20.108 ug/l		98
70) Styrene	12.412	104	128498	20.153 ug/l		98
71) Bromoform	12.576	173	31565	19.505 ug/l	#	97
73) Isopropylbenzene	12.694	105	187731	19.185 ug/l		100
74) N-amyl acetate	12.494	43	80040	19.218 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61000	18.676 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	50243m	18.000 ug/l		
77) Bromobenzene	12.976	156	48197	18.321 ug/l		93
78) n-propylbenzene	13.035	91	219361	19.130 ug/l		99
79) 2-Chlorotoluene	13.124	91	142054	18.959 ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	161079	19.861 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	21497	18.271 ug/l		97
82) 4-Chlorotoluene	13.218	91	143409	18.187 ug/l		97
83) tert-Butylbenzene	13.435	119	137807	20.530 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	164356	19.634 ug/l		98
85) sec-Butylbenzene	13.612	105	184495	19.458 ug/l		99
86) p-Isopropyltoluene	13.729	119	155045	19.939 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	89011	17.338 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	90455	18.501 ug/l		100
89) n-Butylbenzene	14.053	91	126197	17.349 ug/l		99
90) Hexachloroethane	14.329	117	30596	17.643 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	89620	18.166 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12000	18.135 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	43138	15.975 ug/l		99
94) Hexachlorobutadiene	15.500	225	19708	16.620 ug/l		98
95) Naphthalene	15.641	128	131737	16.299 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	42176	16.090 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 04 04:25:11 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 :
VN1101WBSD01

Manual Integrations APPROVED

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

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

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

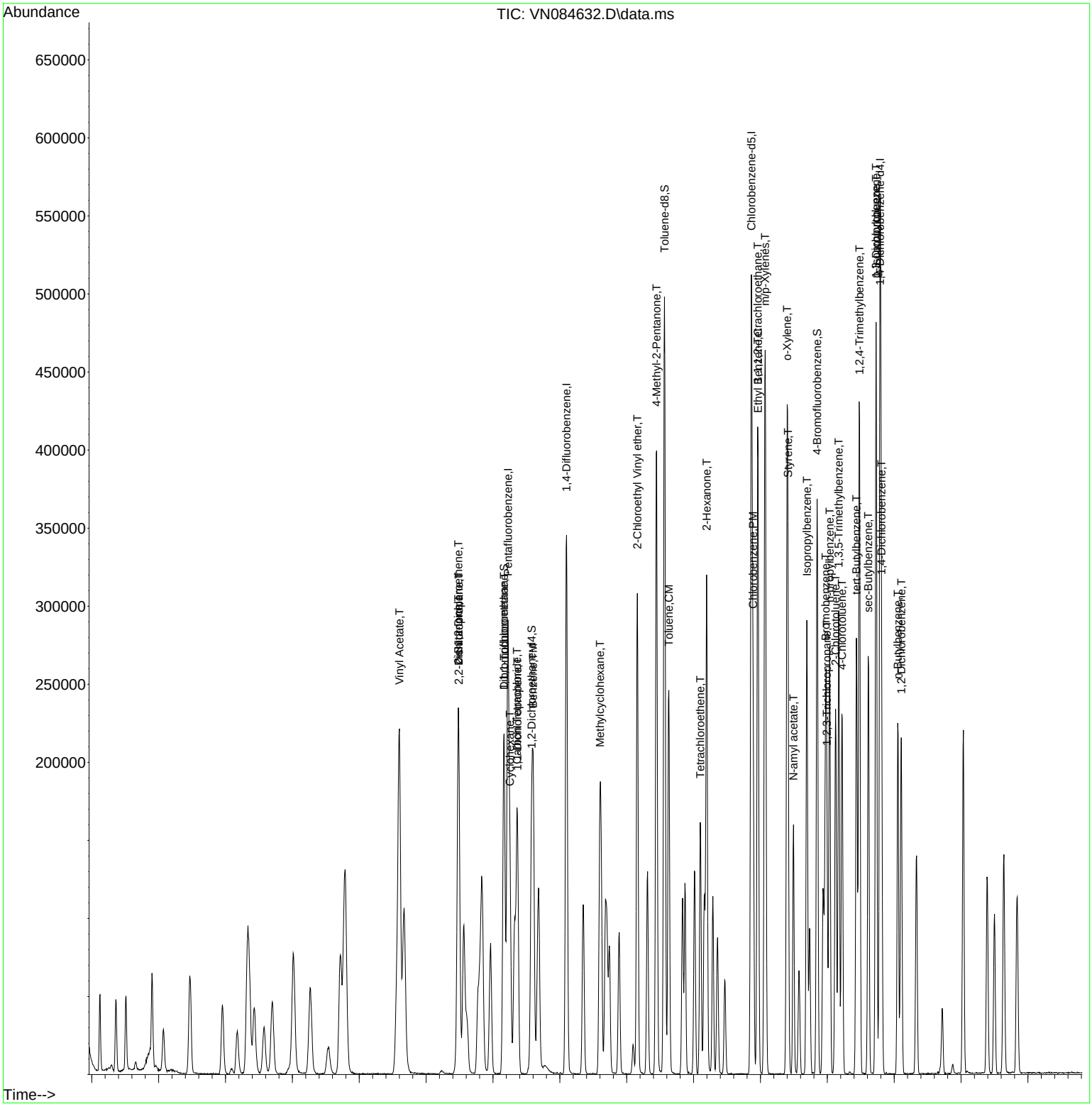
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

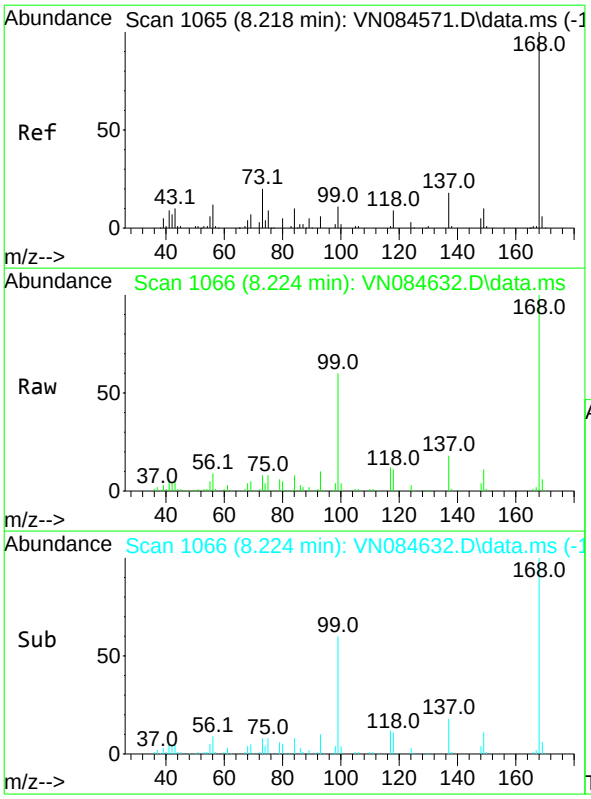
Quant Time: Nov 04 04:25:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations APPROVED

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

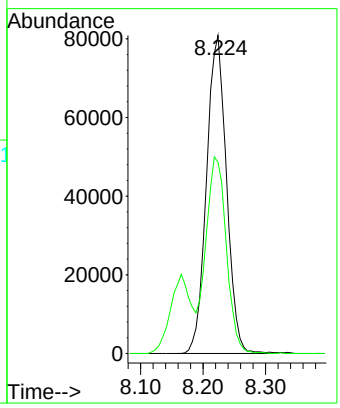




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:168 Resp: 179647

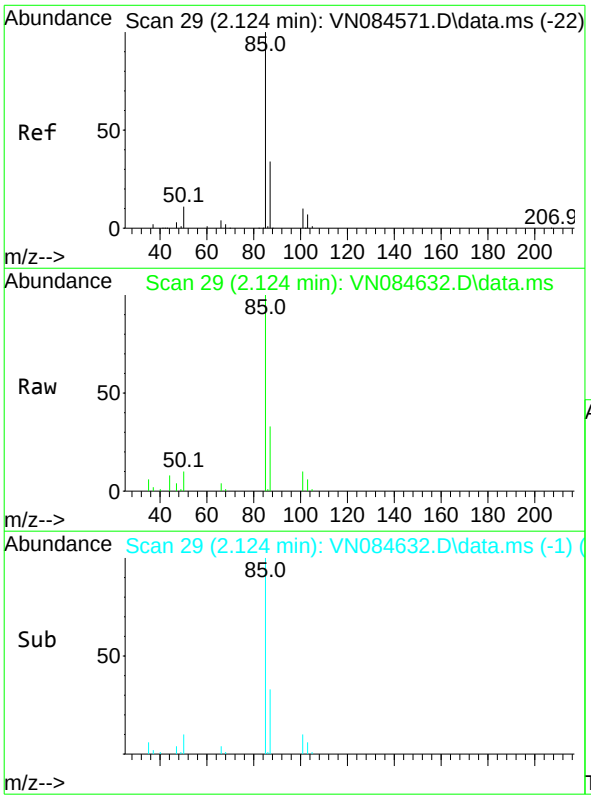
Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

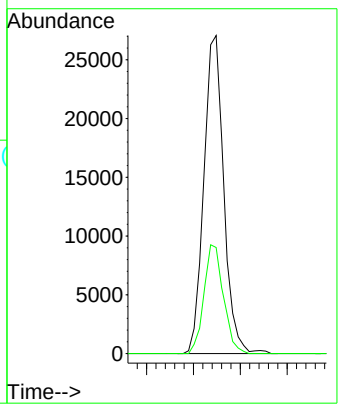
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

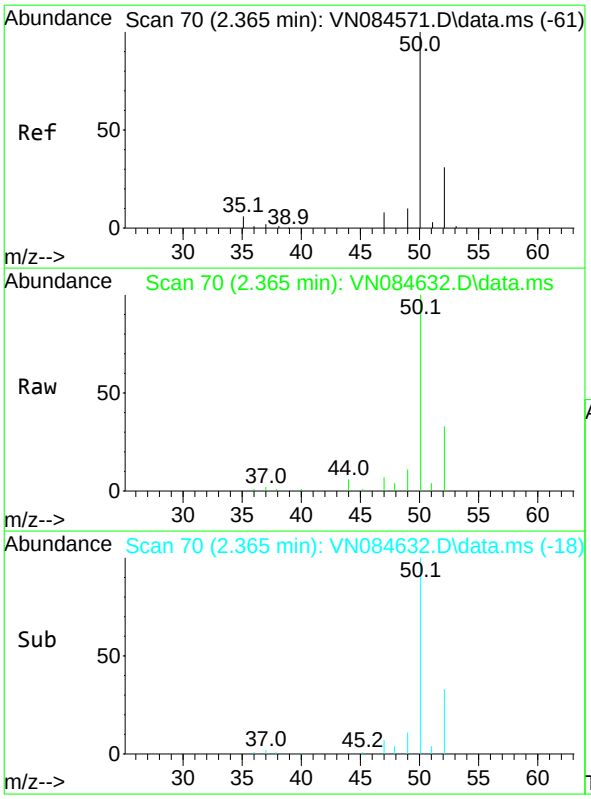


#2
Dichlorodifluoromethane
Concen: 19.353 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 85 Resp: 39968

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.6	52.9

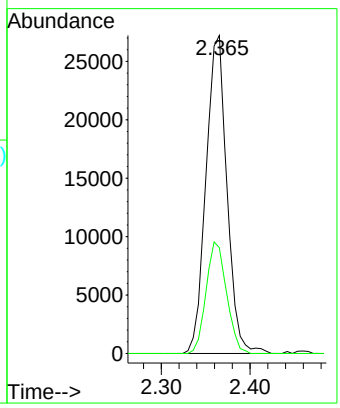




#3
Chloromethane
Concen: 16.750 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 50 Resp: 44651

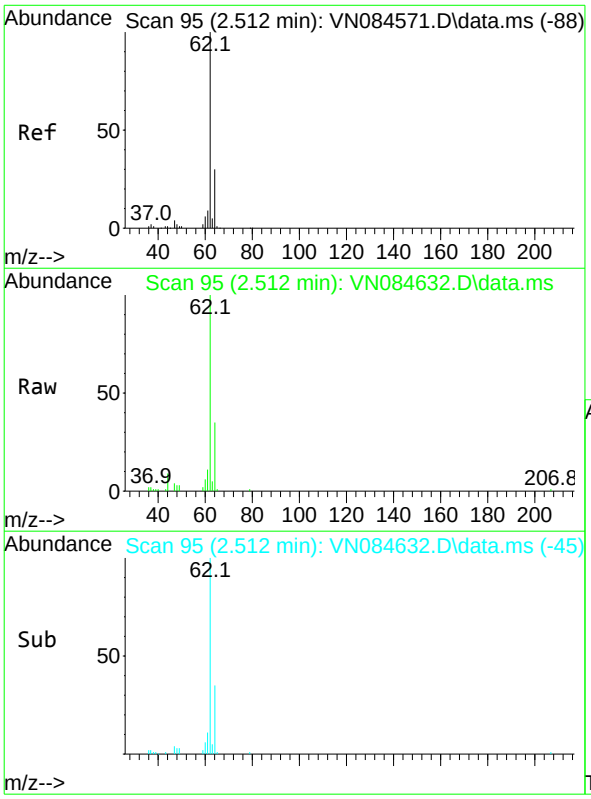
Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

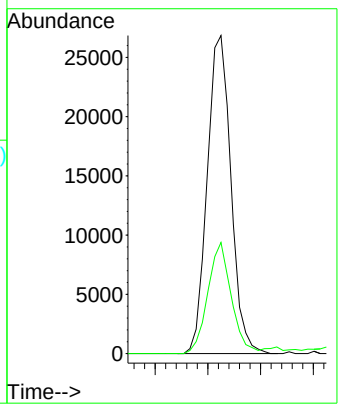
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

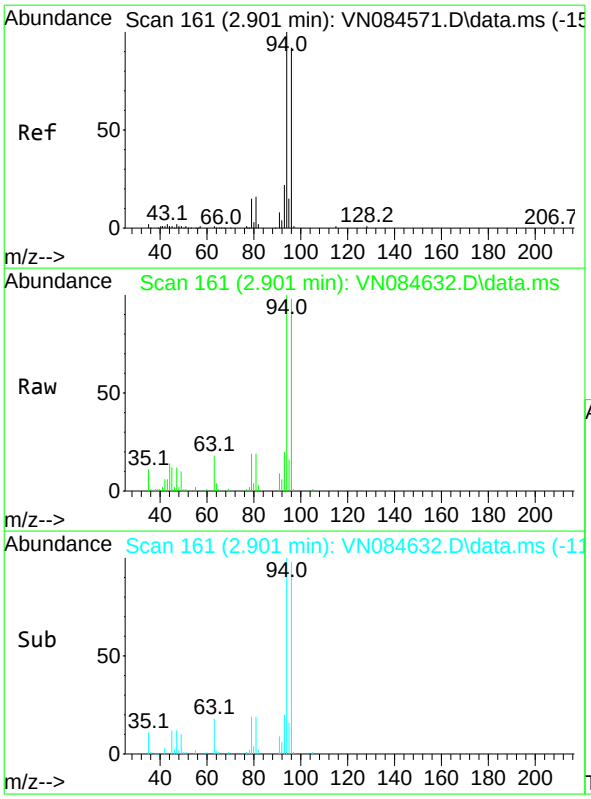


#4
Vinyl Chloride
Concen: 18.875 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 62 Resp: 41926

Ion	Ratio	Lower	Upper
62	100		
64	34.9	26.2	39.4

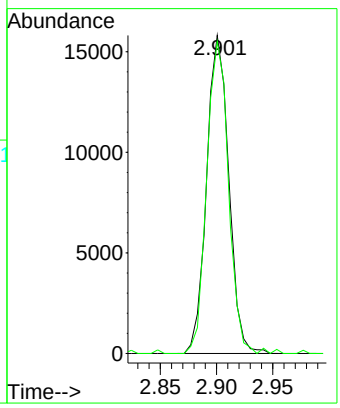




#5
Bromomethane
Concen: 18.436 ug/l
RT: 2.901 min Scan# 16
Delta R.T. -0.052 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 94 Resp: 21697

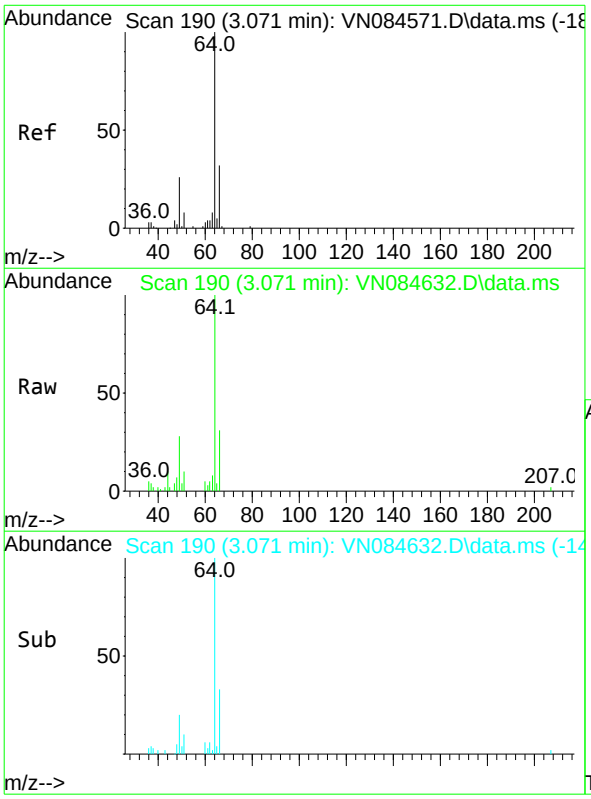
Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.9	109.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

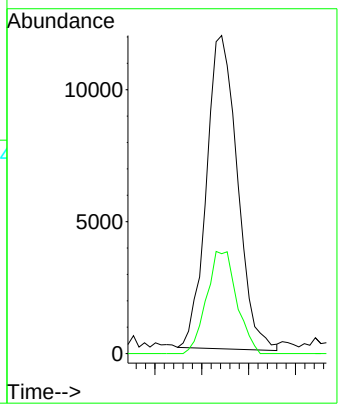
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

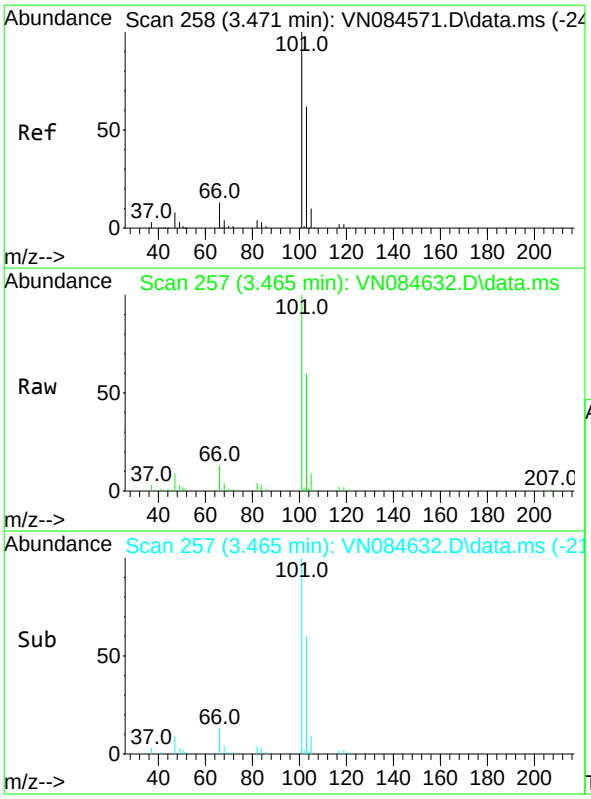


#6
Chloroethane
Concen: 18.995 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 64 Resp: 27307

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.5	35.3

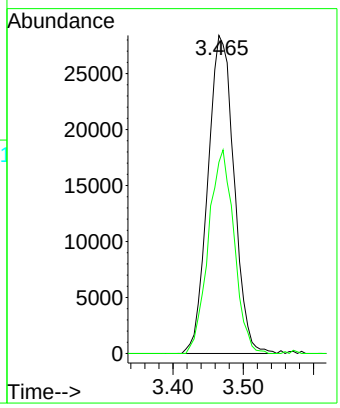




#7
Trichlorofluoromethane
Concen: 20.063 ug/l
RT: 3.465 min Scan# 25
Delta R.T. -0.030 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:101 Resp: 73409

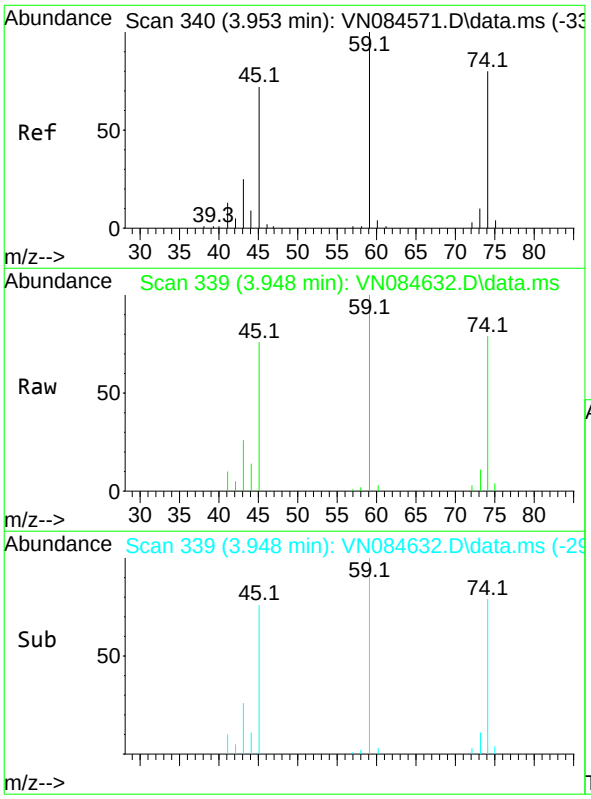
Ion	Ratio	Lower	Upper
101	100		
103	60.1	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

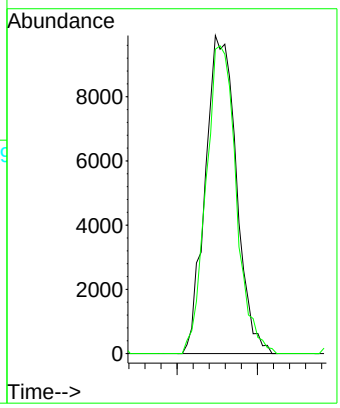
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

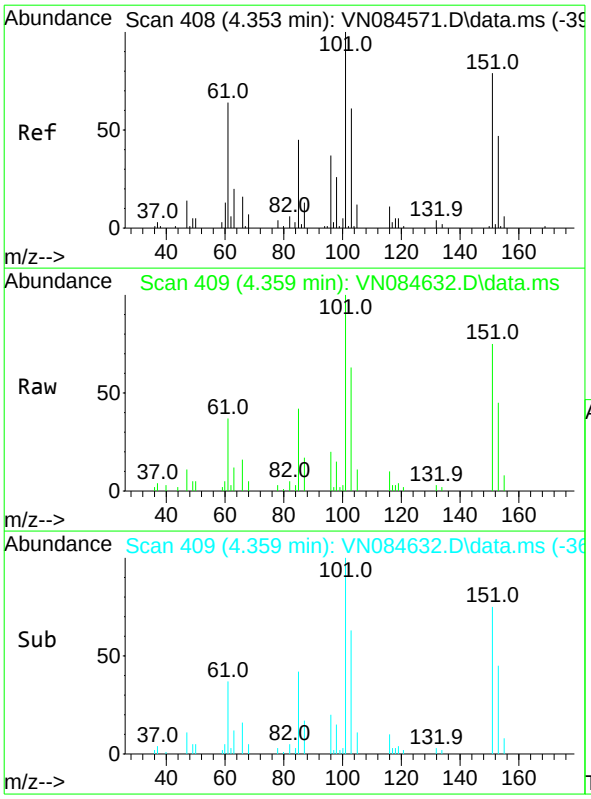


#8
Diethyl Ether
Concen: 20.543 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 74 Resp: 26516

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.7	143.1

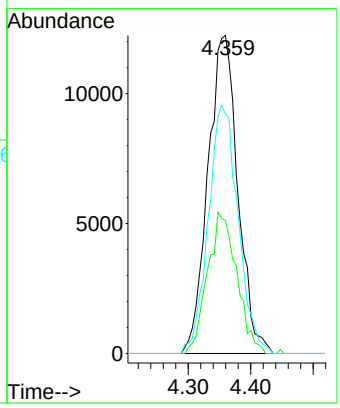




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.712 ug/l
RT: 4.359 min Scan# 40
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:101 Resp: 40756

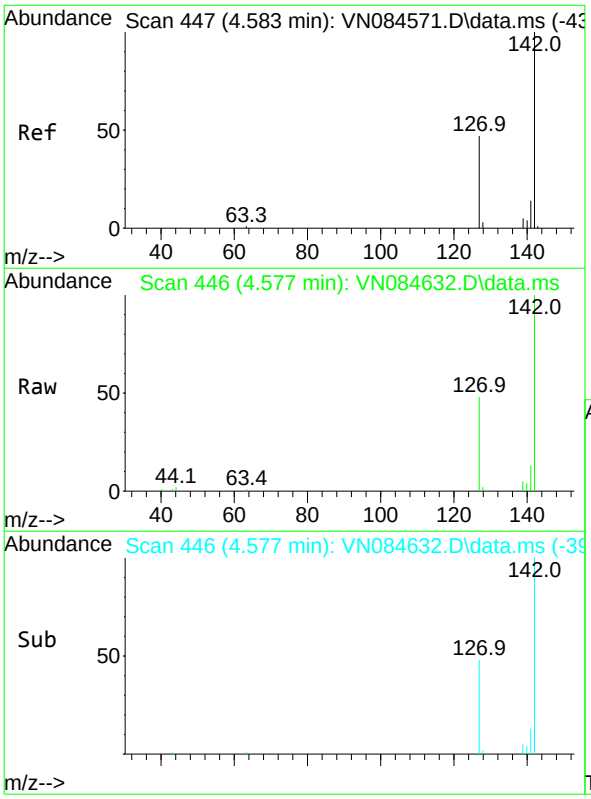
Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.2	54.4
151	77.9	59.3	88.9



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

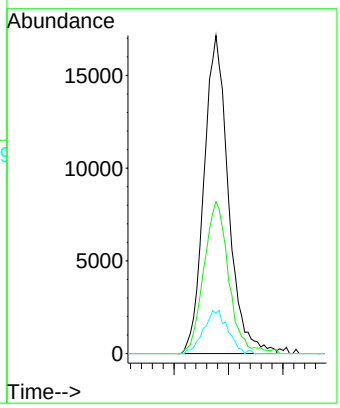
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

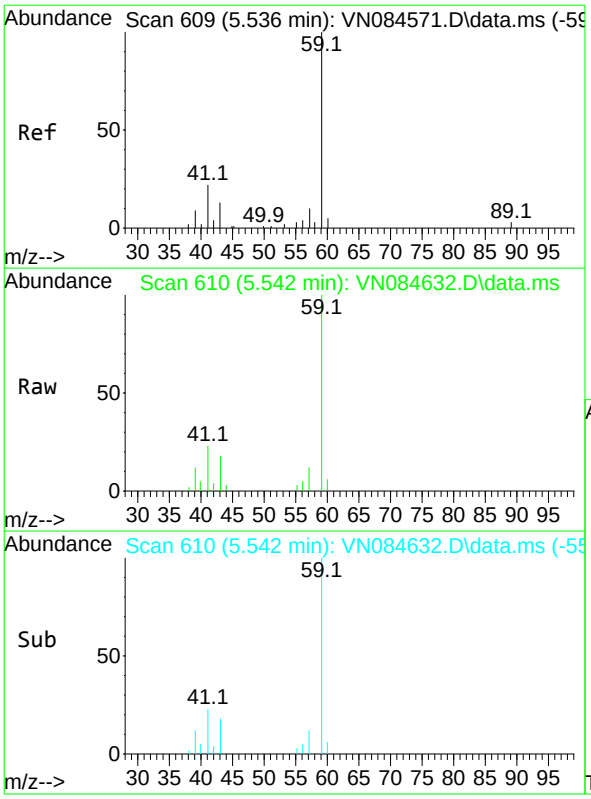


#10
Methyl Iodide
Concen: 19.324 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:142 Resp: 53396

Ion	Ratio	Lower	Upper
142	100		
127	47.8	35.3	52.9
141	12.6	11.0	16.6

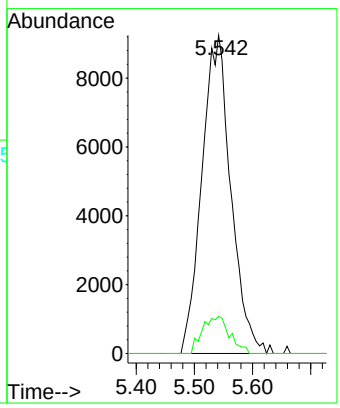




#11
Tert butyl alcohol
Concen: 93.479 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 59 Resp: 32016

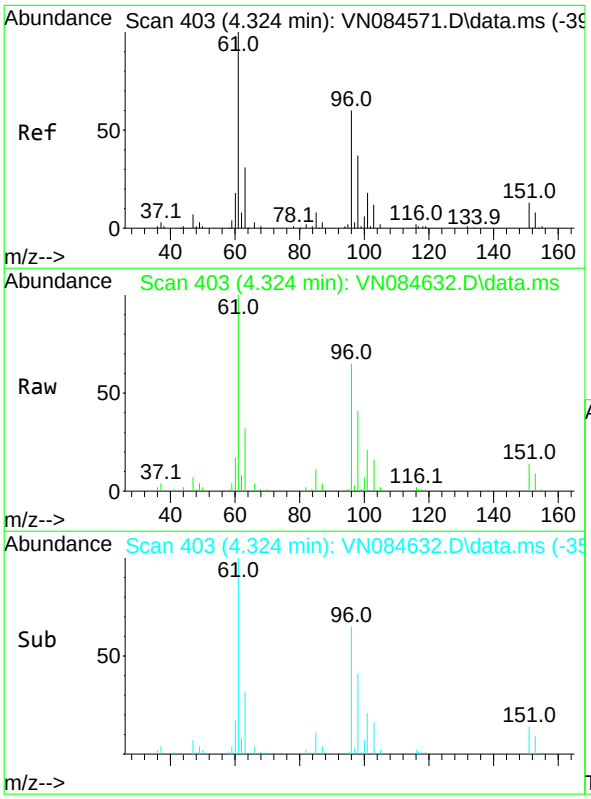
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

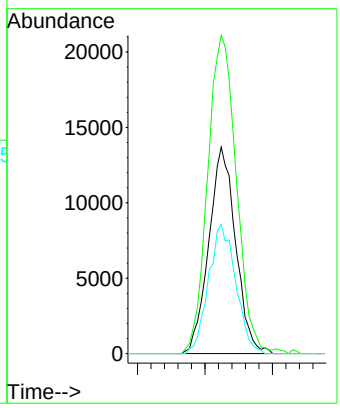
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

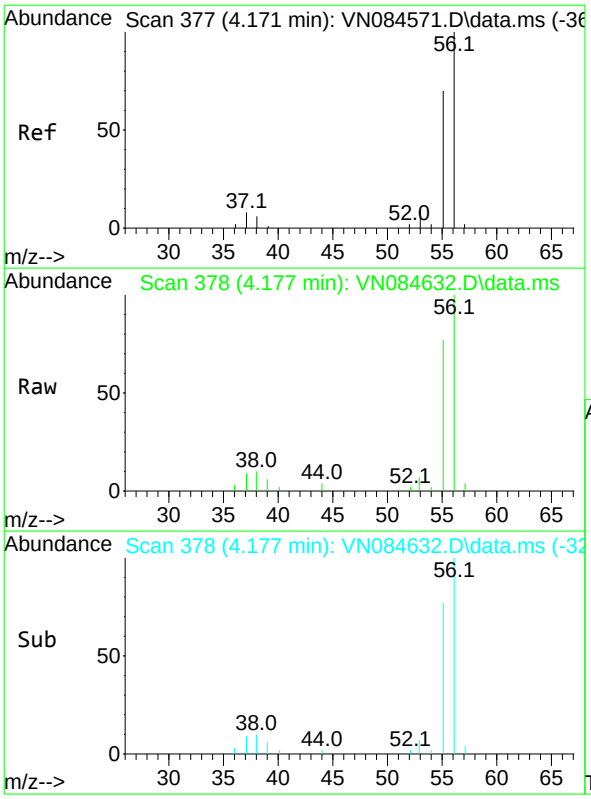


#12
1,1-Dichloroethene
Concen: 18.488 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 96 Resp: 37823

Ion	Ratio	Lower	Upper
96	100		
61	154.1	128.6	192.8
98	62.6	51.7	77.5

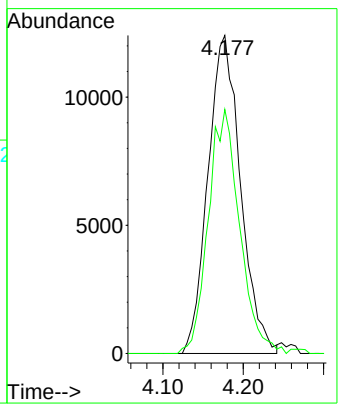




#13
Acrolein
Concen: 102.484 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 56 Resp: 35001

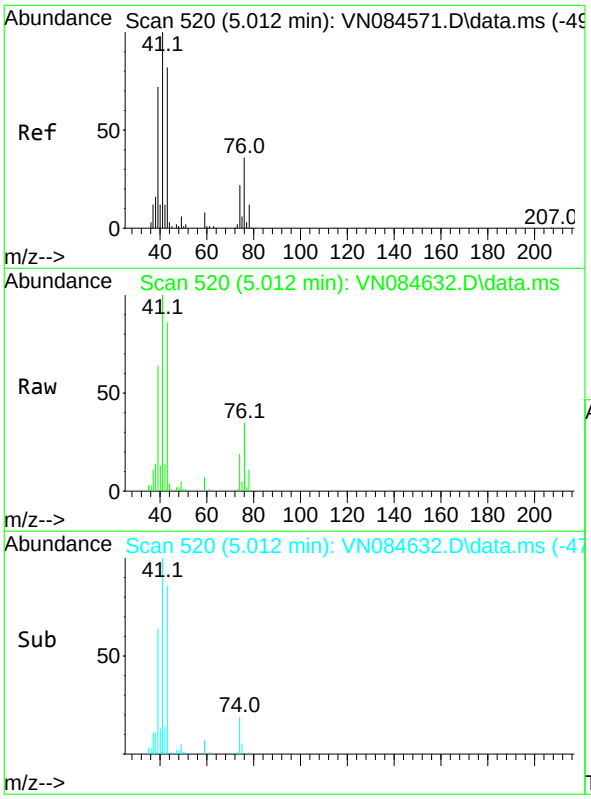
Ion	Ratio	Lower	Upper
56	100		
55	73.7	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

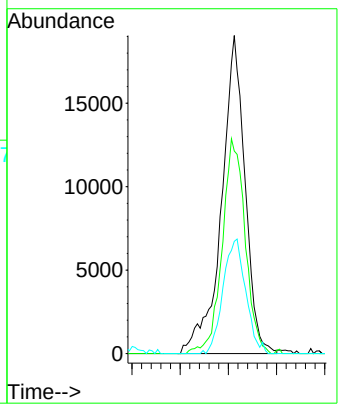
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

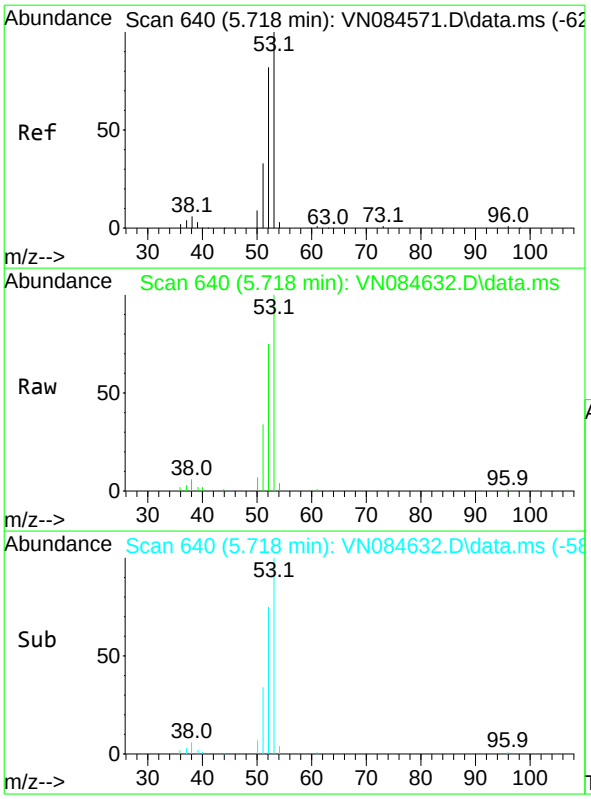


#14
Allyl chloride
Concen: 19.506 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 41 Resp: 64716

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	34.6	29.8	44.6

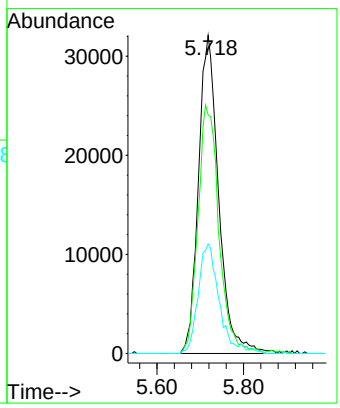




#15
Acrylonitrile
Concen: 105.182 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 53 Resp: 104289

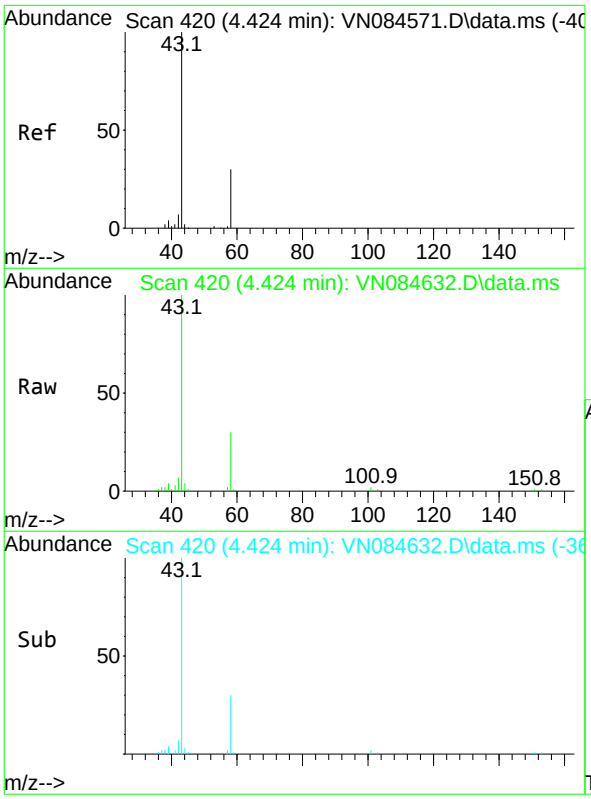
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.4
51	34.5	28.8	43.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

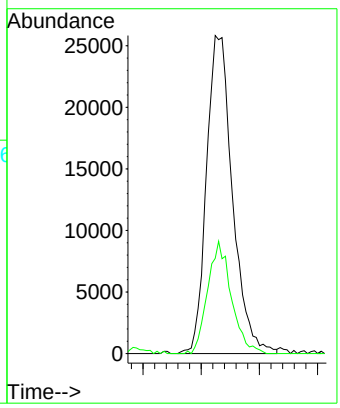
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

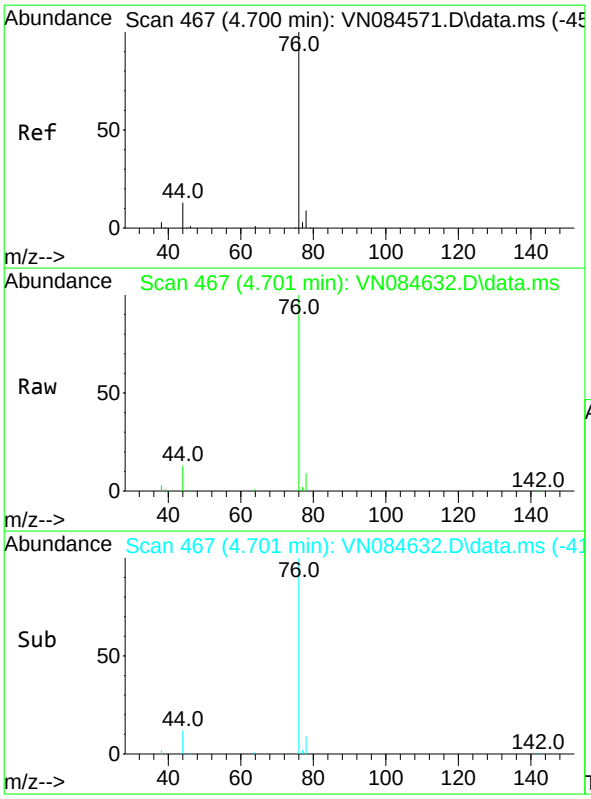


#16
Acetone
Concen: 105.601 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 80384

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.4	36.6

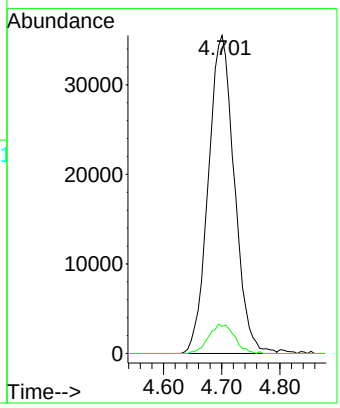




#17
Carbon Disulfide
Concen: 17.529 ug/l
RT: 4.701 min Scan# 46
Delta R.T. -0.011 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 76 Resp: 110433

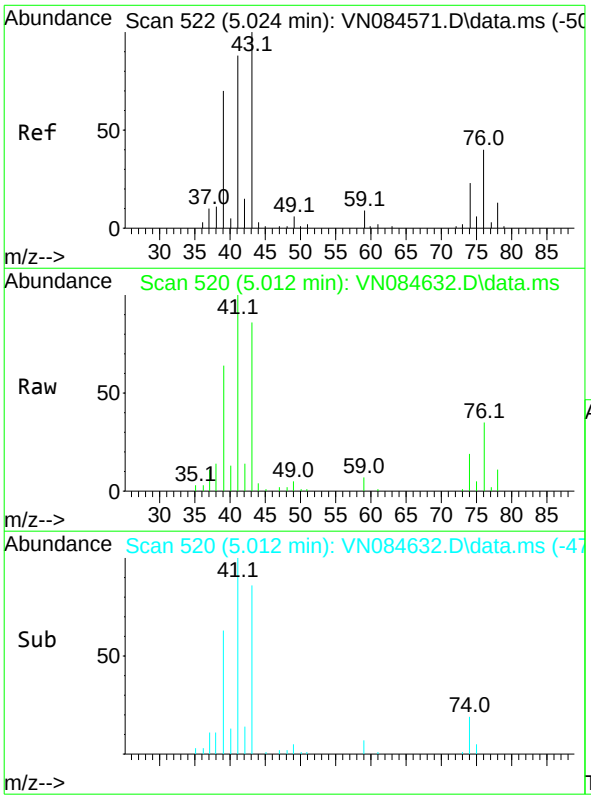
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

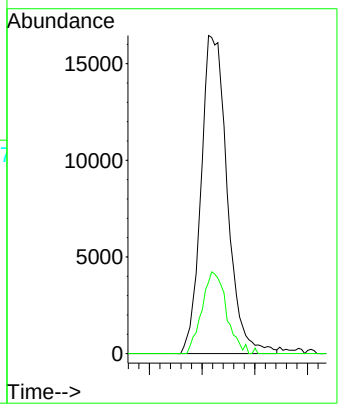
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

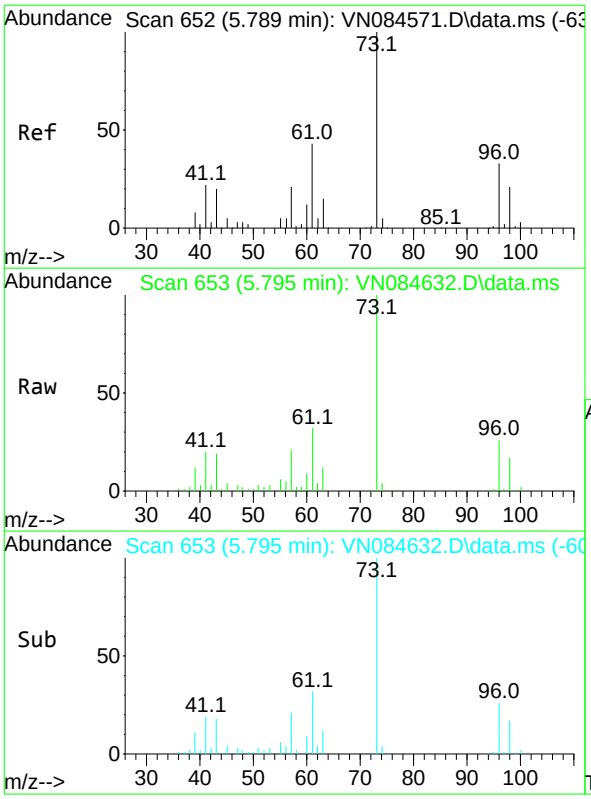


#18
Methyl Acetate
Concen: 18.181 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 56734

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8

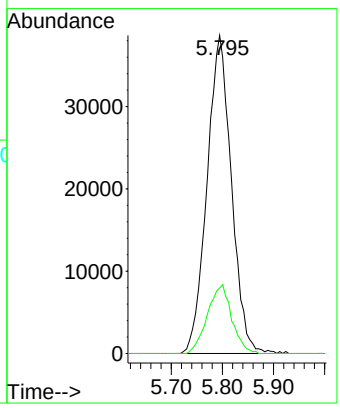




#19
Methyl tert-butyl Ether
Concen: 20.424 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 73 Resp: 128070

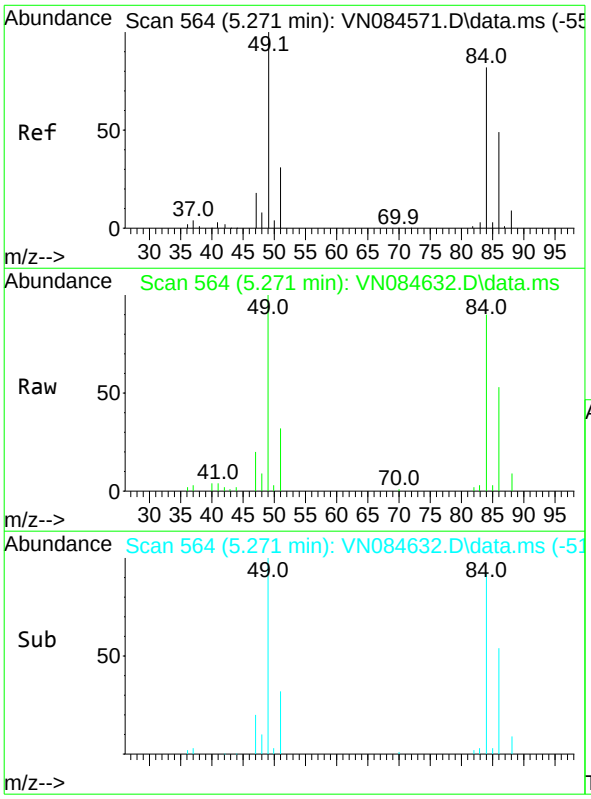
Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations APPROVED

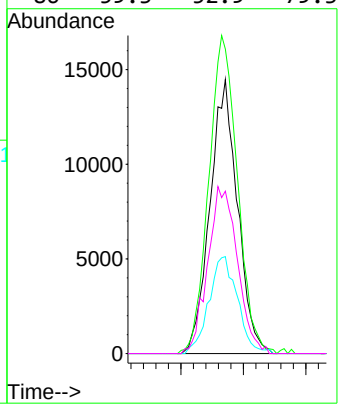
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

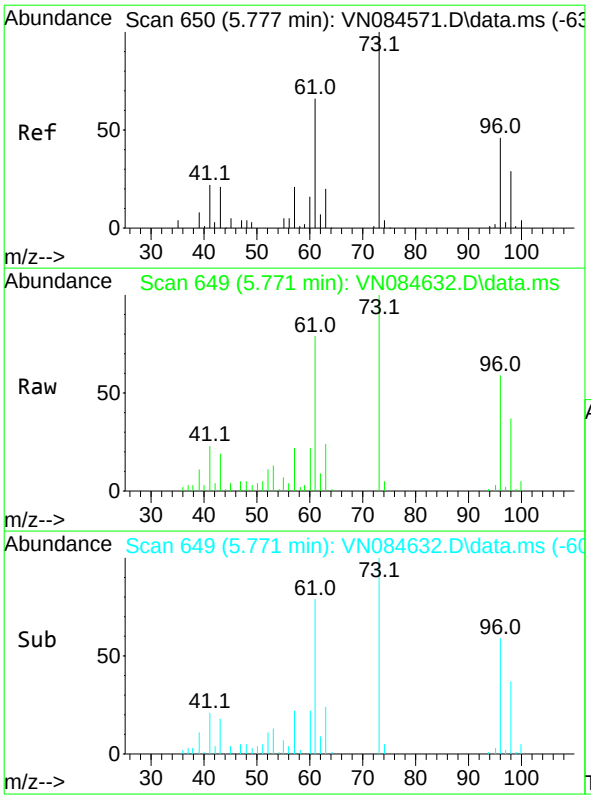


#20
Methylene Chloride
Concen: 19.428 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 84 Resp: 44336

Ion	Ratio	Lower	Upper
84	100		
49	111.1	107.2	160.8
51	35.4	31.8	47.8
86	59.3	52.9	79.3

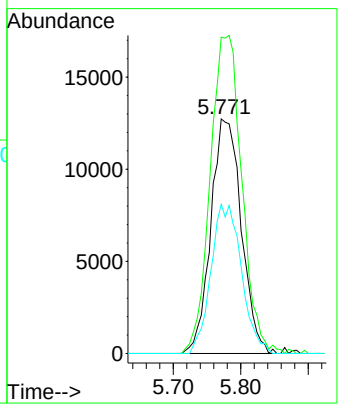




#21
trans-1,2-Dichloroethene
Concen: 18.993 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 96 Resp: 39898

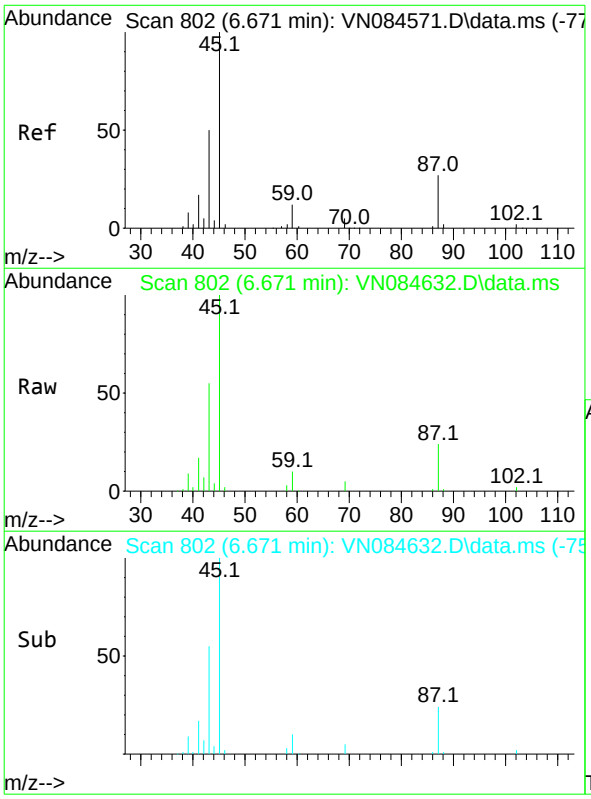
Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	63.6	49.8	74.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

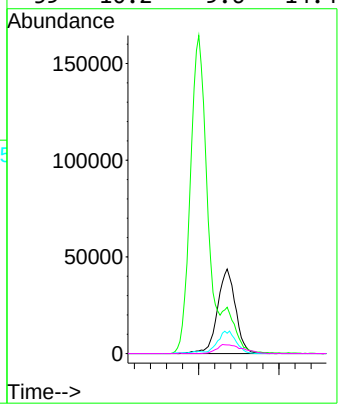
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

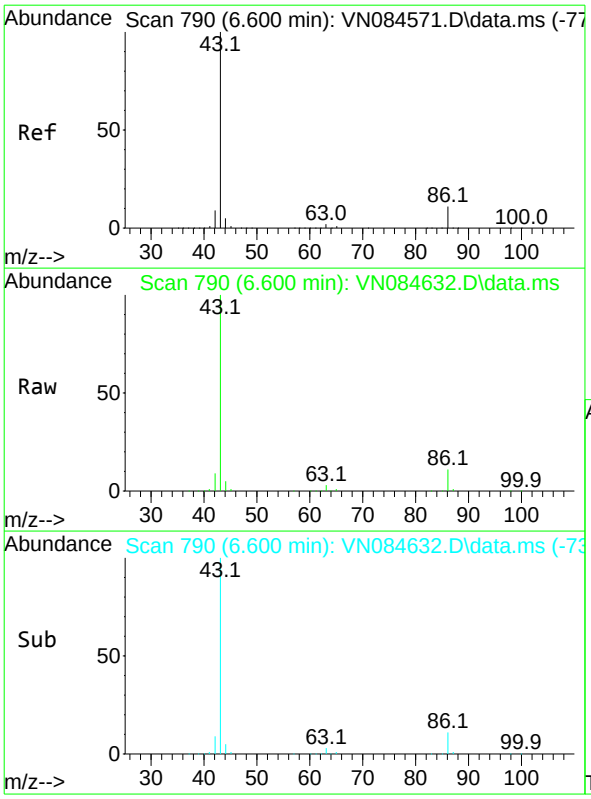


#22
Diisopropyl ether
Concen: 20.780 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 45 Resp: 136989

Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.3	63.5
87	24.0	21.8	32.6
59	10.2	9.6	14.4

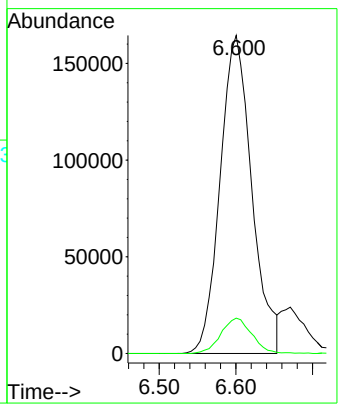




#23
Vinyl Acetate
Concen: 104.061 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 473087

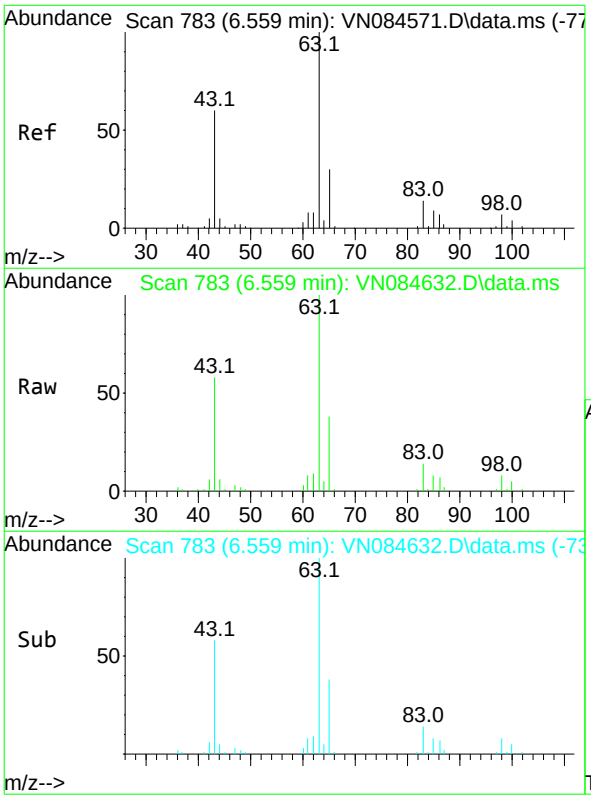
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

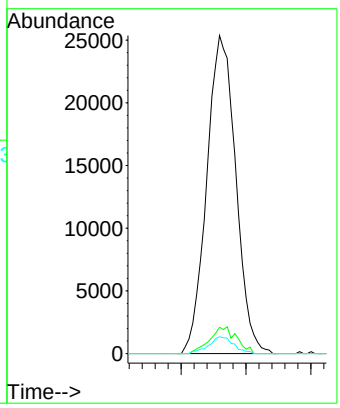
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

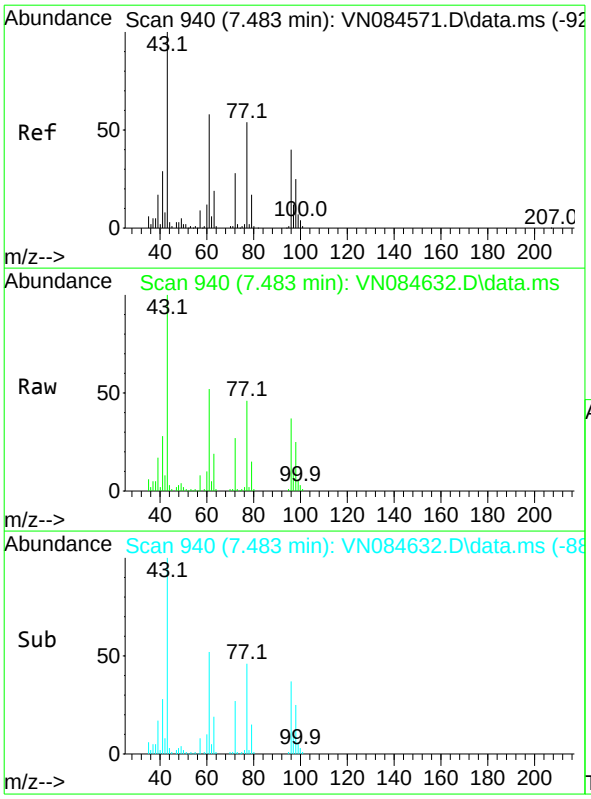


#24
1,1-Dichloroethane
Concen: 19.911 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 63 Resp: 78807

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	5.3	2.0	5.8

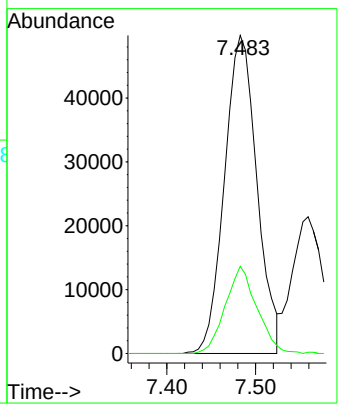




#25
2-Butanone
Concen: 104.629 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 126655

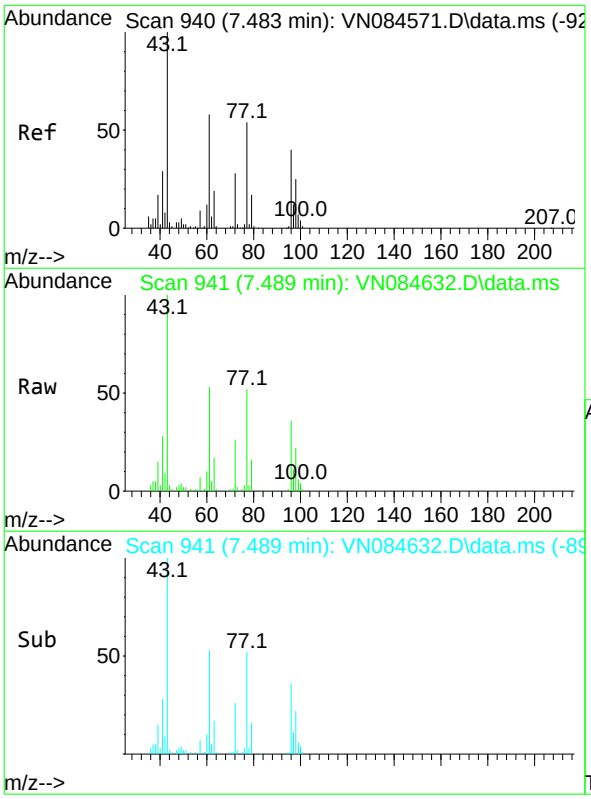
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

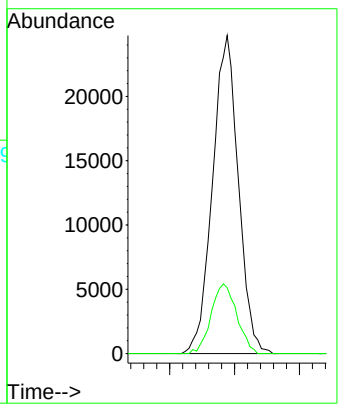
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

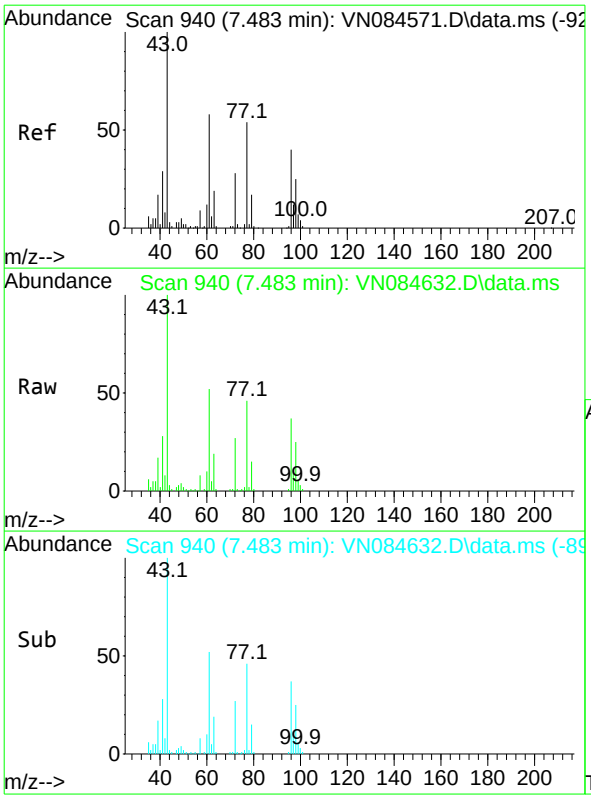


#26
2,2-Dichloropropane
Concen: 19.820 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 77 Resp: 68278

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3

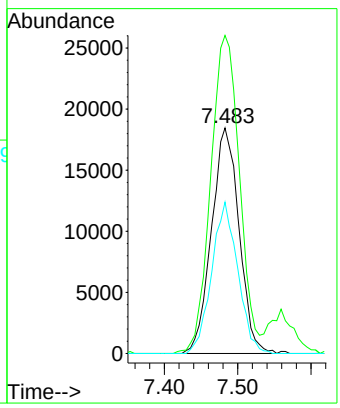




#27
cis-1,2-Dichloroethene
Concen: 19.630 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 96 Resp: 48150

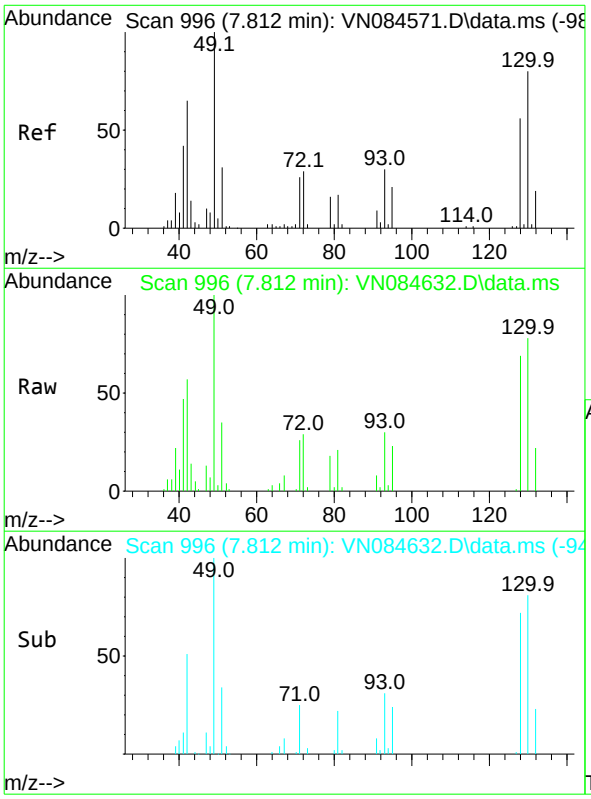
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	63.6	0.0	128.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

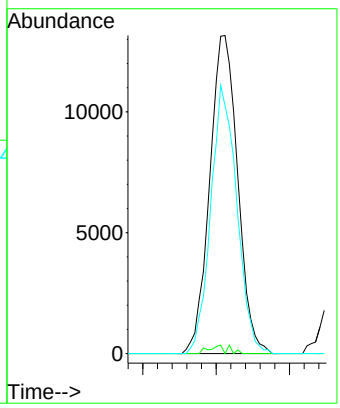
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

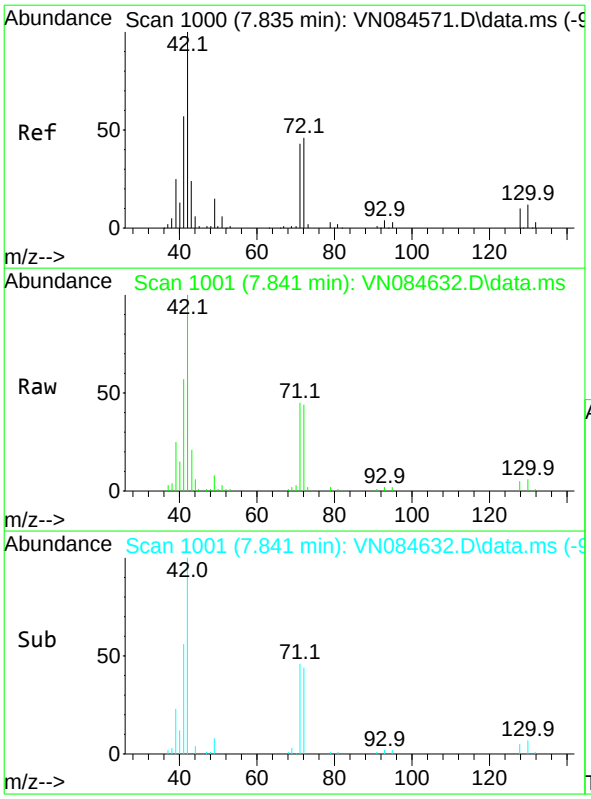


#28
Bromochloromethane
Concen: 22.135 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 49 Resp: 34905

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	78.4	58.0	87.0

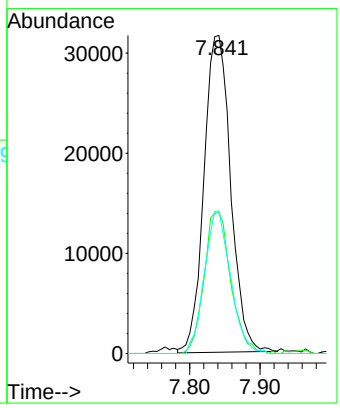




#29
Tetrahydrofuran
Concen: 104.051 ug/l
RT: 7.841 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 42 Resp: 83561

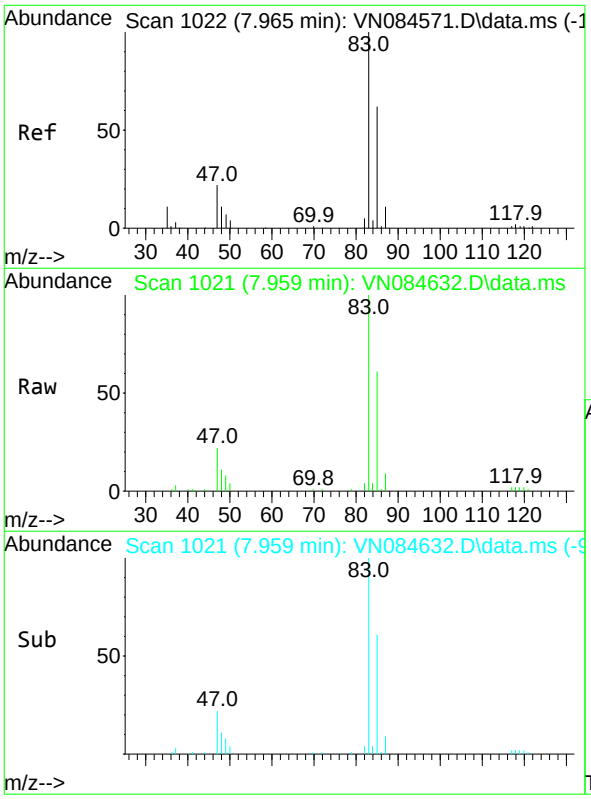
Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	44.1	32.2	48.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

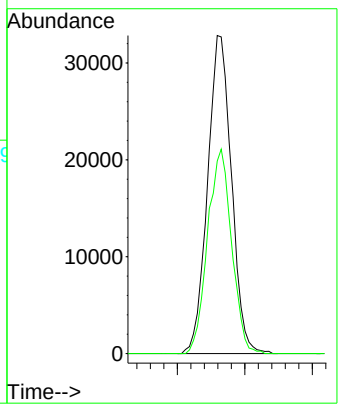
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

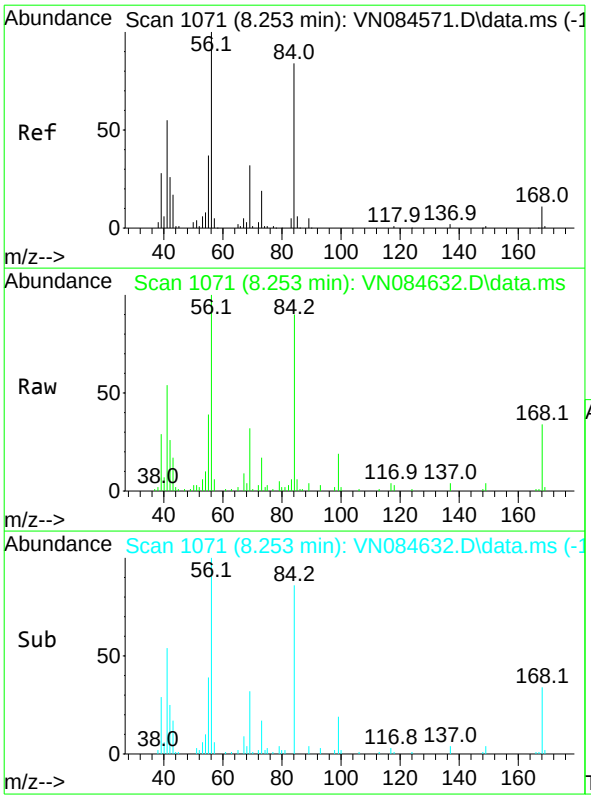


#30
Chloroform
Concen: 20.057 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 83 Resp: 80798

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.0	76.4

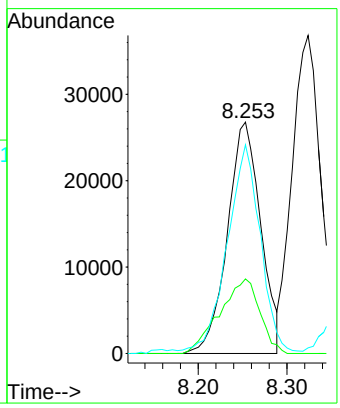




#31
Cyclohexane
Concen: 19.515 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 56 Resp: 69908

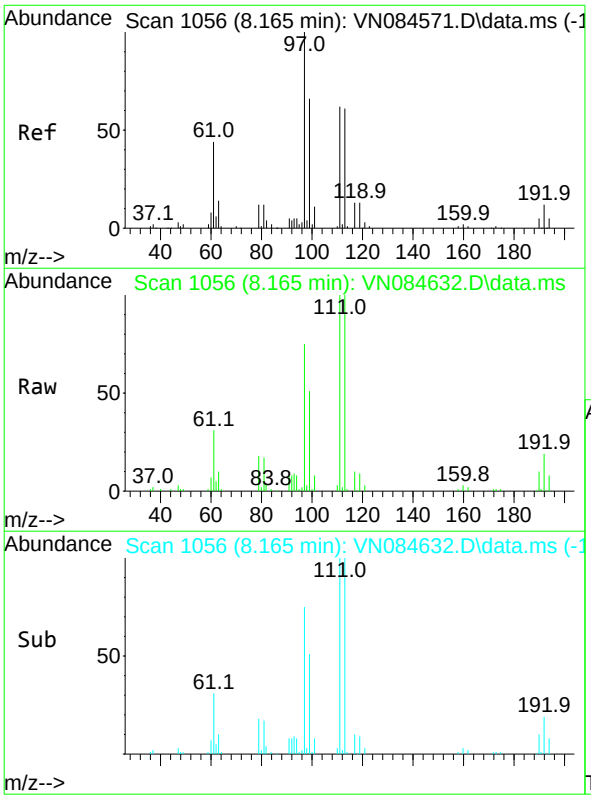
Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.6
84	88.9	68.8	103.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

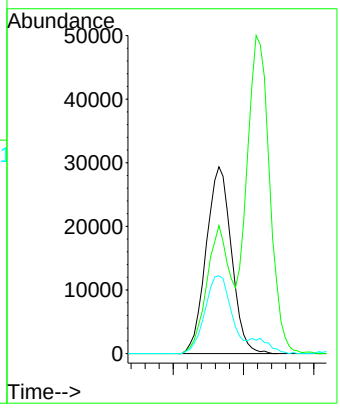
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

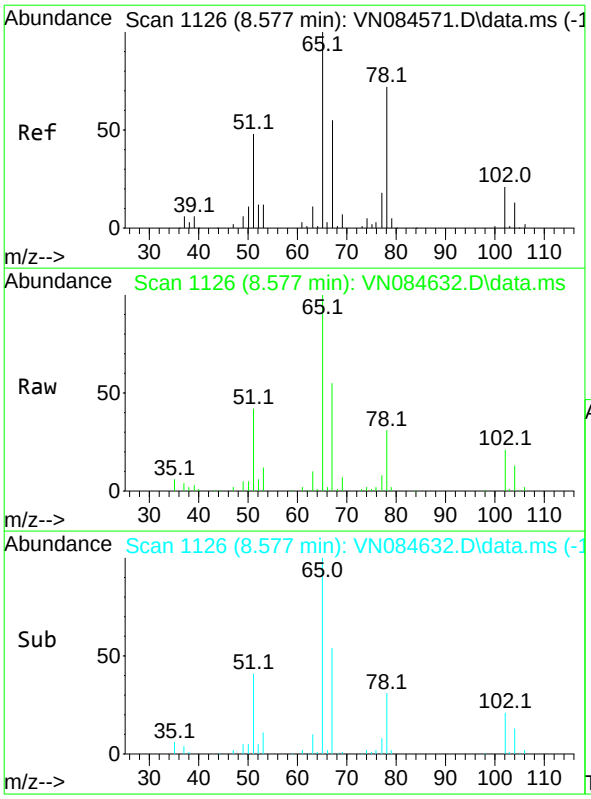


#32
1,1,1-Trichloroethane
Concen: 20.072 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 97 Resp: 73597

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	44.0	37.5	56.3

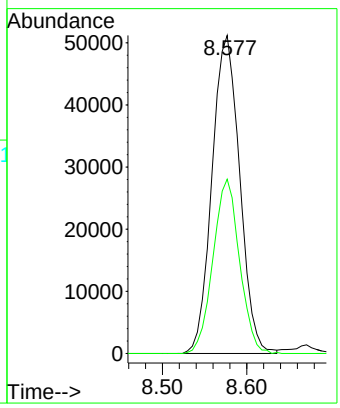




#33
1,2-Dichloroethane-d4
Concen: 44.978 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 65 Resp: 116705

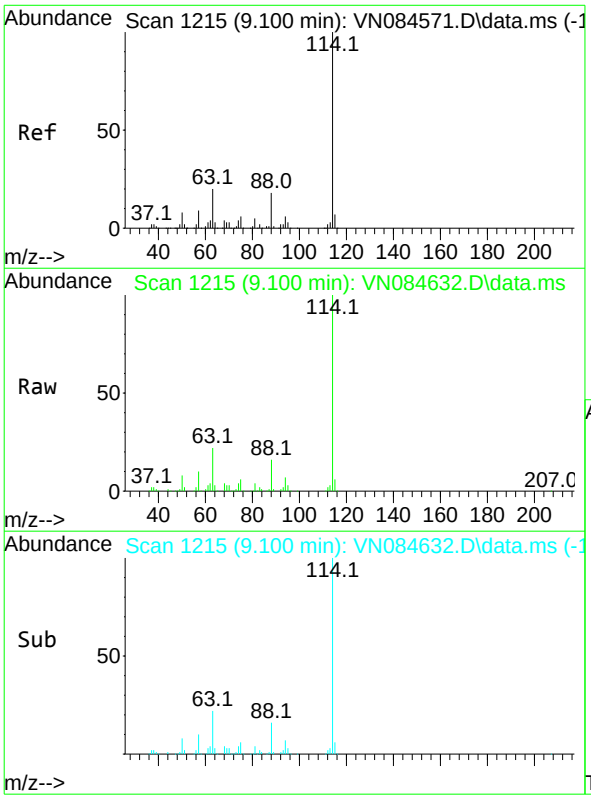
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

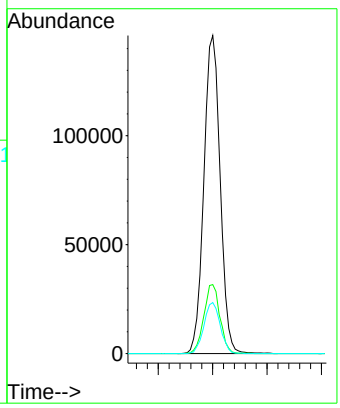
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

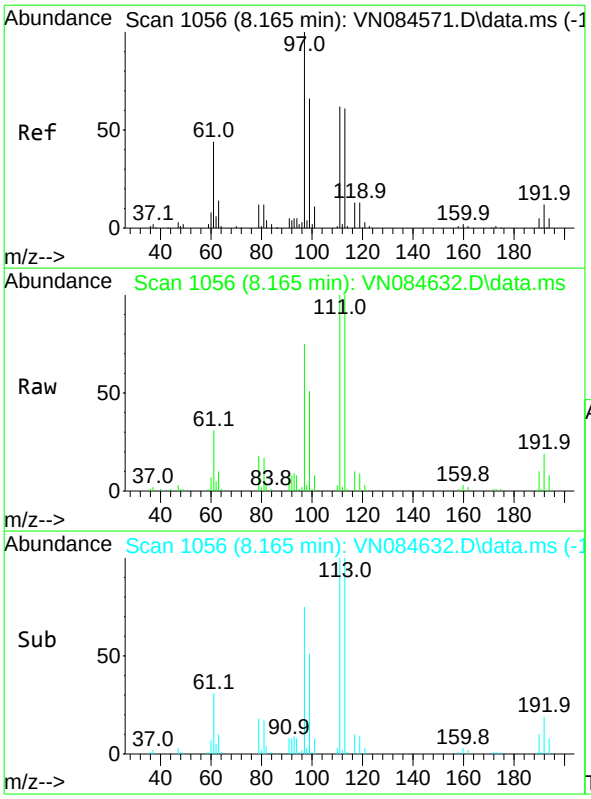


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:114 Resp: 303928

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.0	0.0	31.6

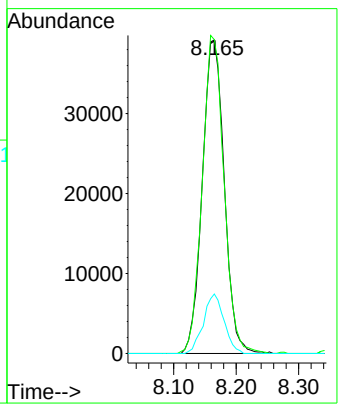




#35
Dibromofluoromethane
Concen: 46.460 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:113 Resp: 95578

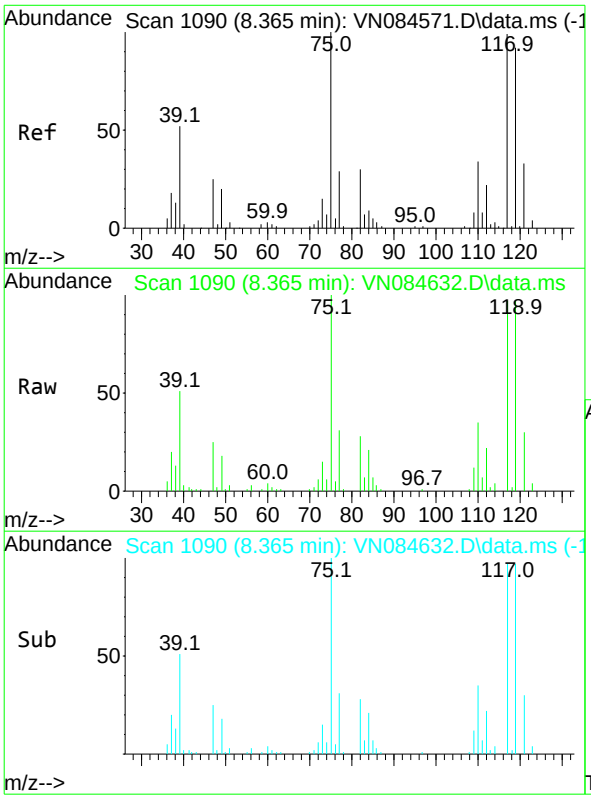
Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.8	13.5	20.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

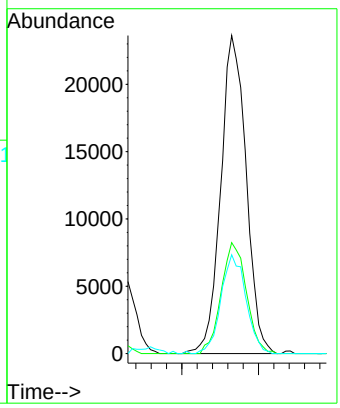
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

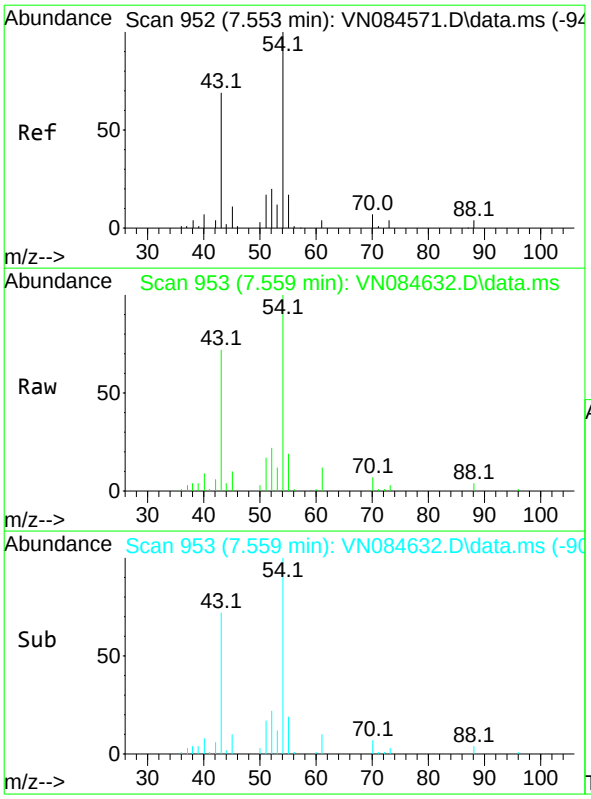


#36
1,1-Dichloropropene
Concen: 19.036 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 54311

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.5	24.7	37.1

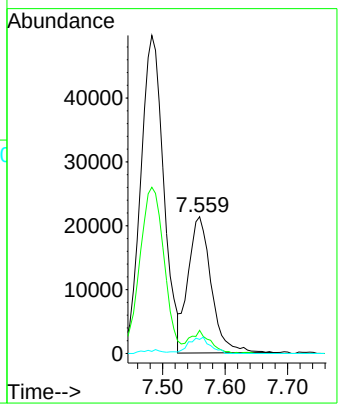




#37
Ethyl Acetate
Concen: 21.202 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 54883

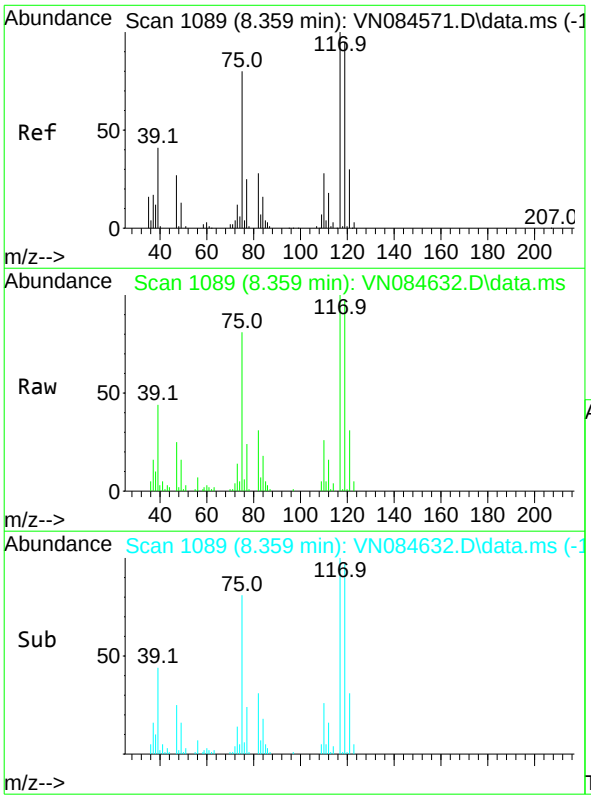
Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	11.1	8.8	13.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

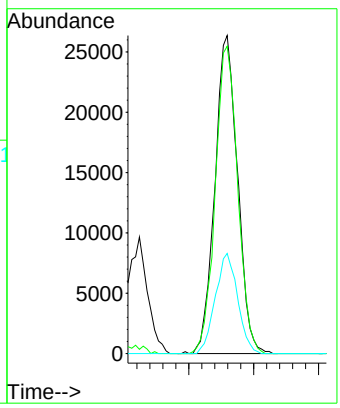
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

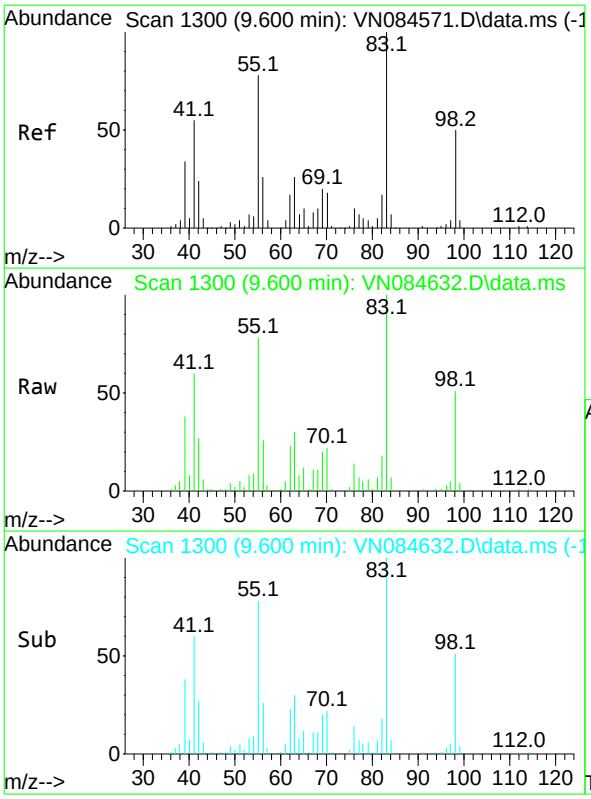


#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:117 Resp: 63997

Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.7	118.1
121	31.5	24.4	36.6

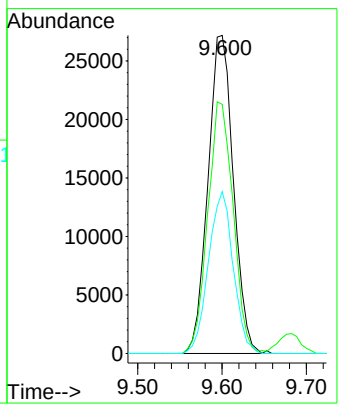




#39
Methylcyclohexane
Concen: 19.604 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 83 Resp: 56902

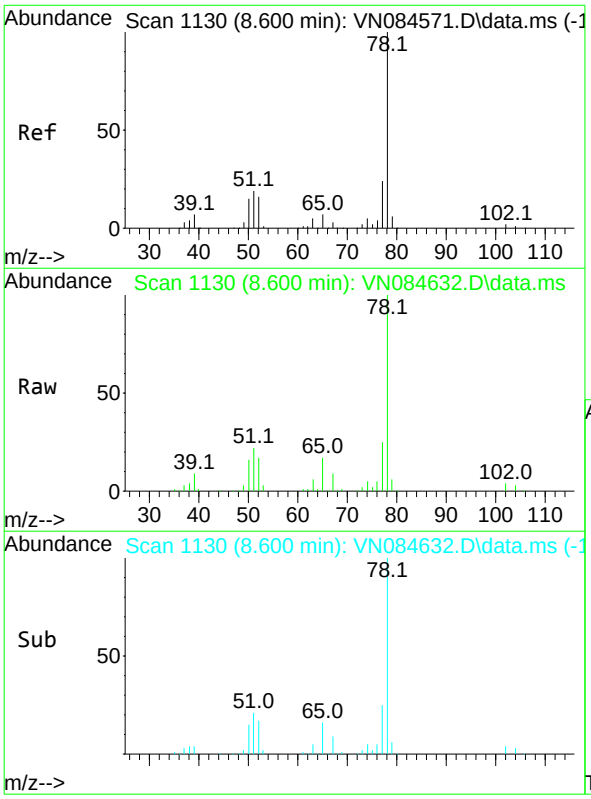
Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.8	94.2
98	50.9	38.8	58.2



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations APPROVED

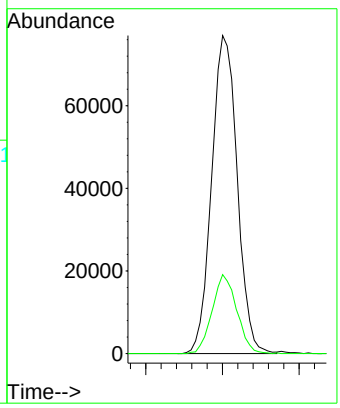
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

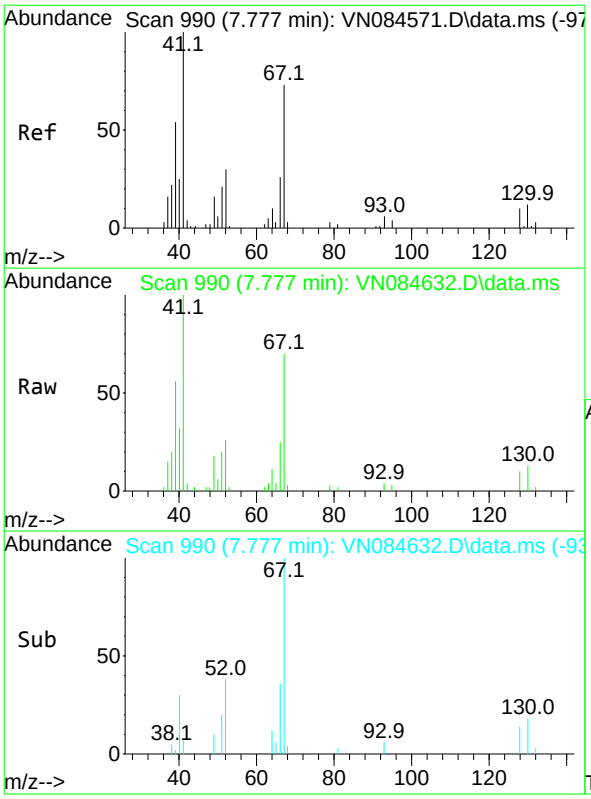


#40
Benzene
Concen: 19.433 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 78 Resp: 178059

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7

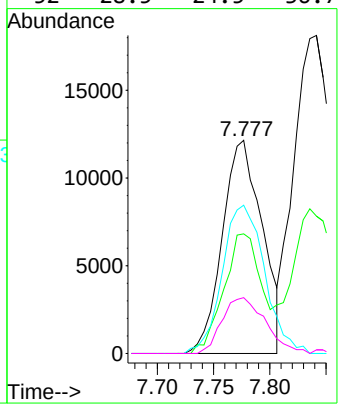




#41
Methacrylonitrile
Concen: 21.533 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 41 Resp: 29975

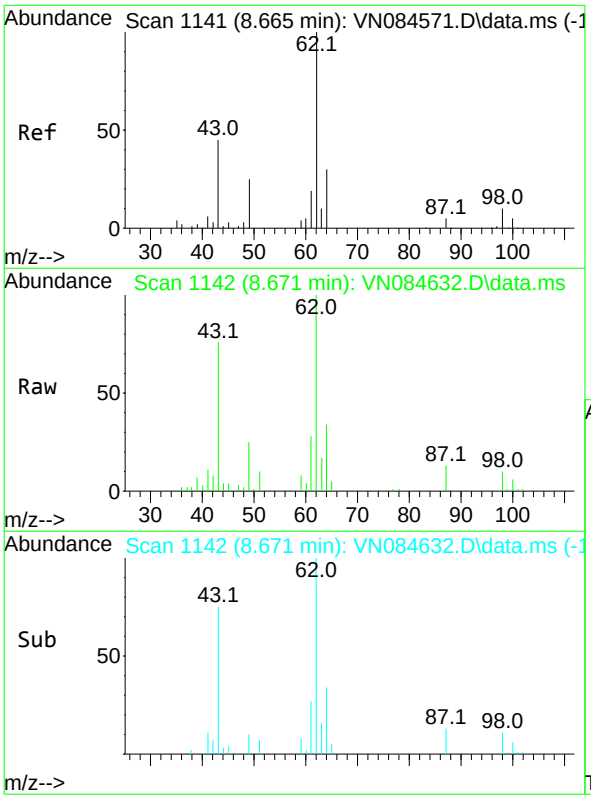
Ion	Ratio	Lower	Upper
41	100		
39	52.3	43.3	64.9
67	73.8	56.1	84.1
52	28.5	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

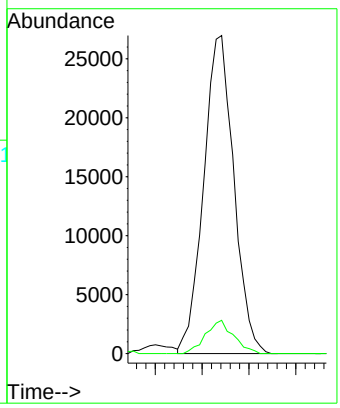
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

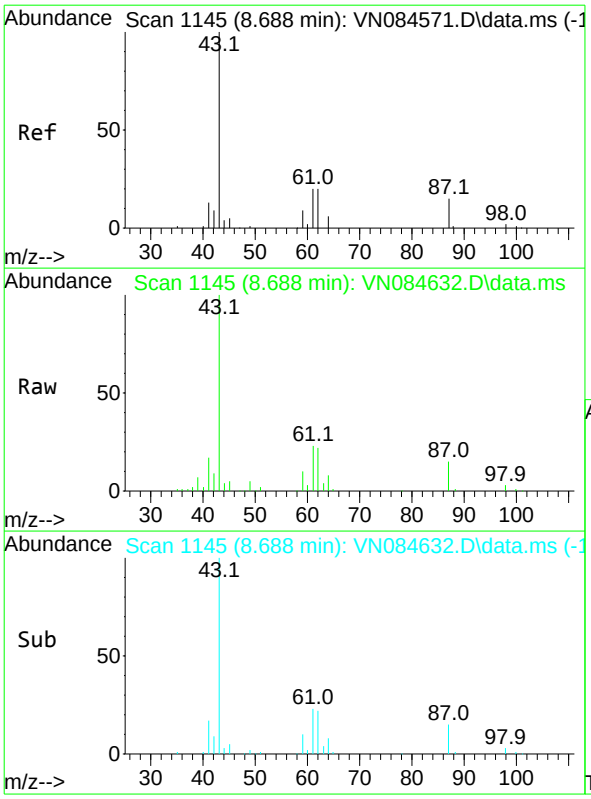


#42
1,2-Dichloroethane
Concen: 20.358 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 62 Resp: 60410

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2

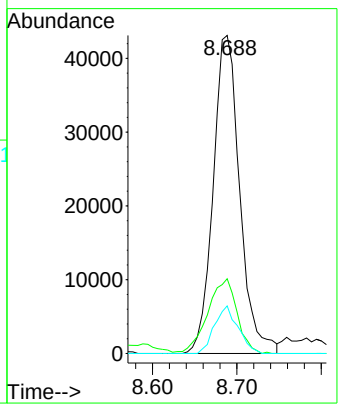




#43
Isopropyl Acetate
Concen: 19.145 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 94407

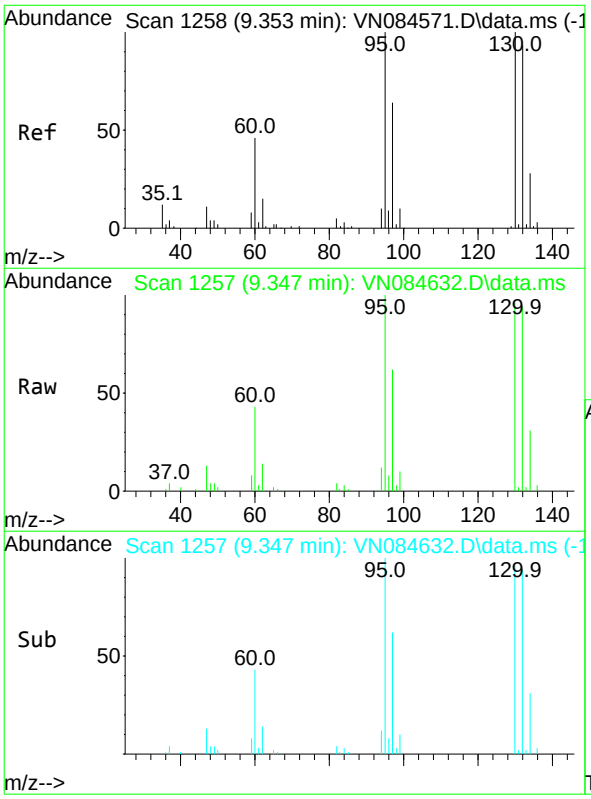
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	13.2	10.3	15.5



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

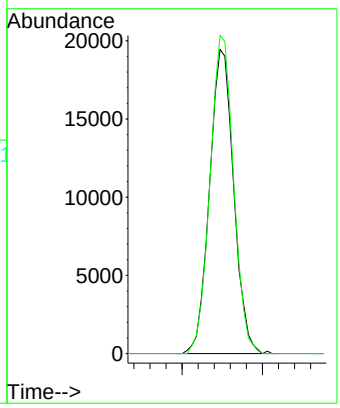
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

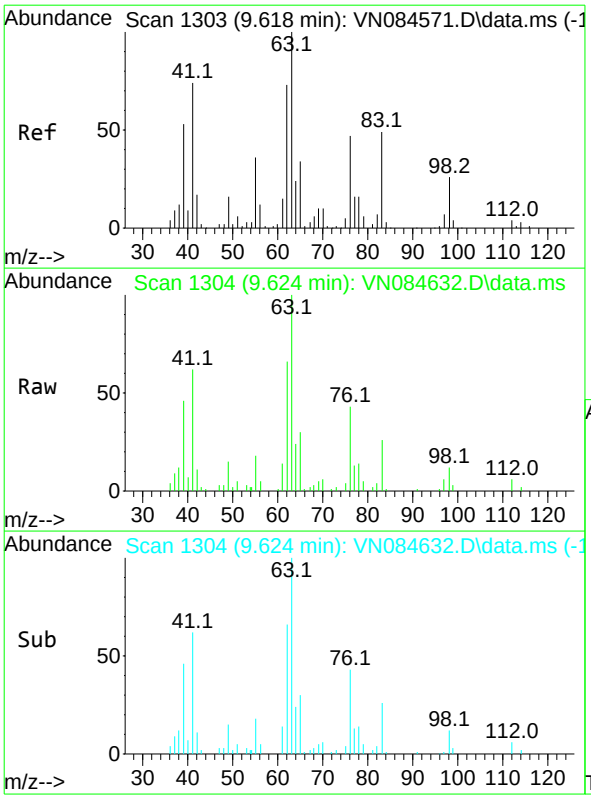


#44
Trichloroethene
Concen: 19.188 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:130 Resp: 40547

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.0

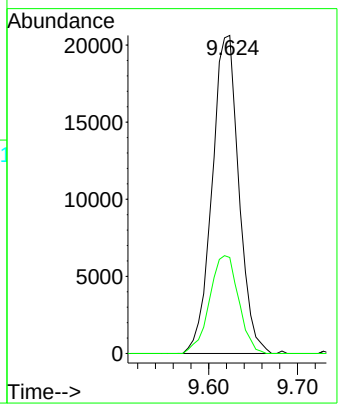




#45
1,2-Dichloropropane
Concen: 20.073 ug/l
RT: 9.624 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 63 Resp: 43144

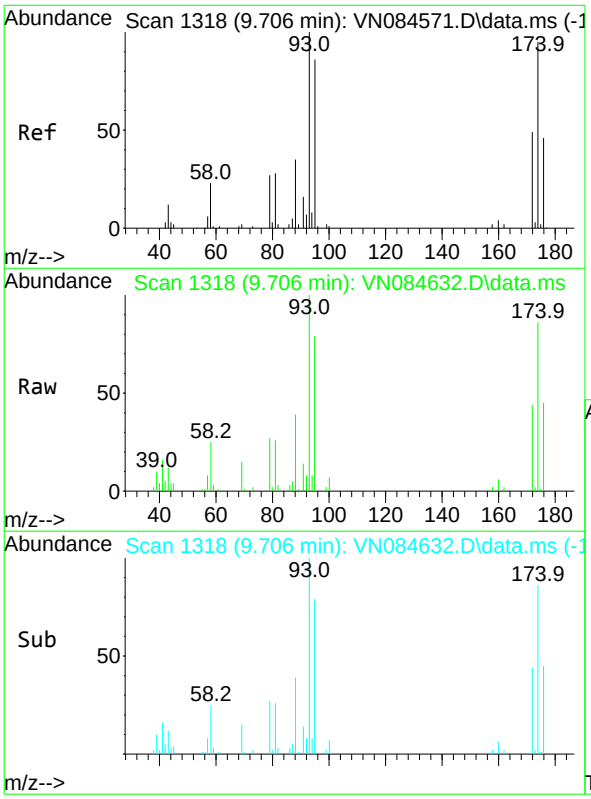
Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	37.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

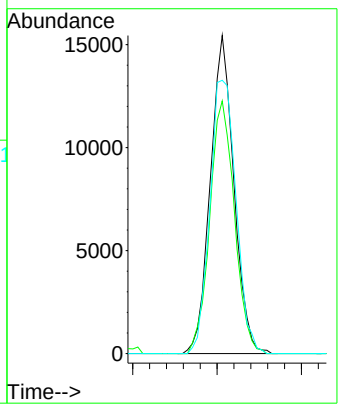
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

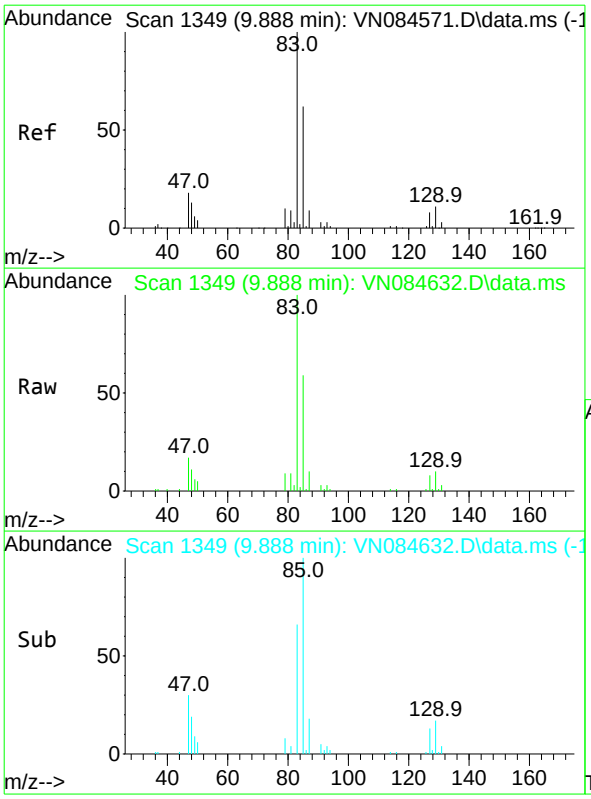


#46
Dibromomethane
Concen: 19.750 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 93 Resp: 29954

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.0	97.4
174	95.5	71.8	107.8

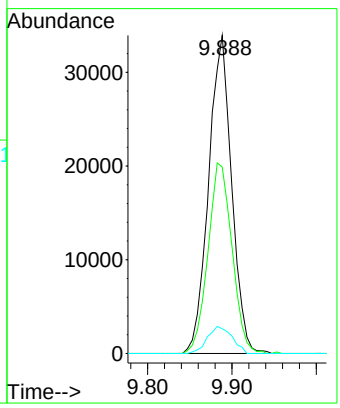




#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 83 Resp: 64340

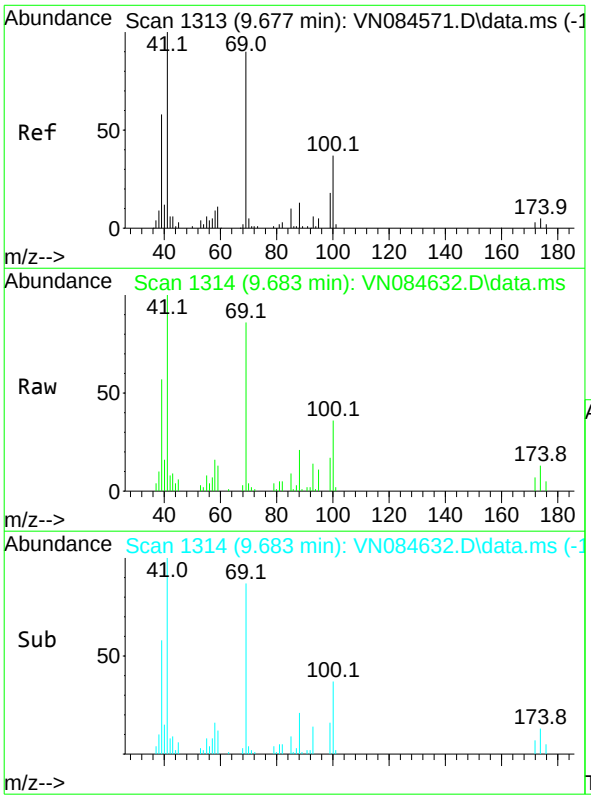
Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.5	77.3
127	7.8	5.7	8.5



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

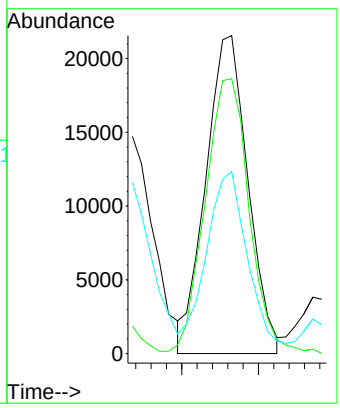
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

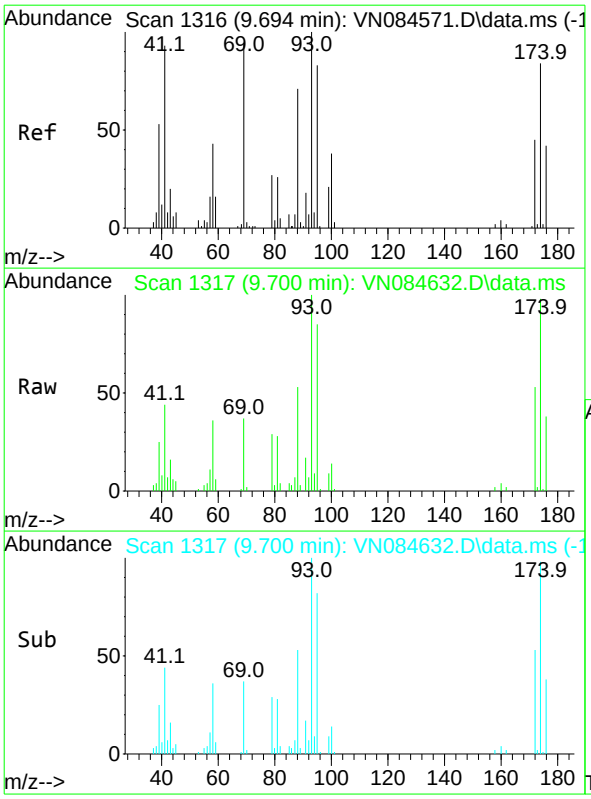


#48
Methyl methacrylate
Concen: 20.408 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 41 Resp: 41114

Ion	Ratio	Lower	Upper
41	100		
69	90.5	67.1	100.7
39	57.1	45.8	68.6

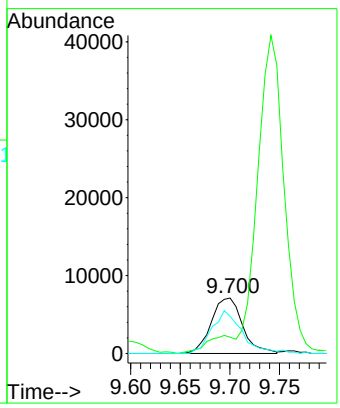




#49
1,4-Dioxane
Concen: 437.525 ug/l
RT: 9.700 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 88 Resp: 15620

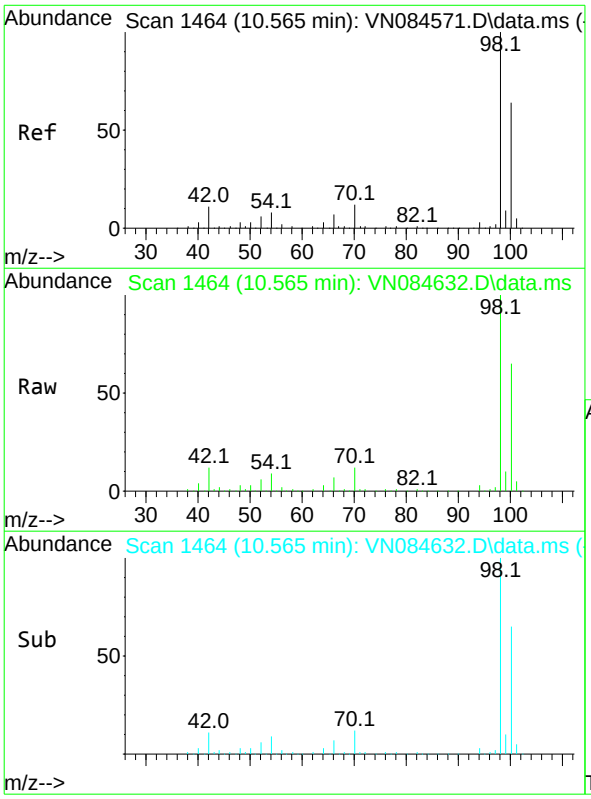
Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	75.8	56.4	84.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

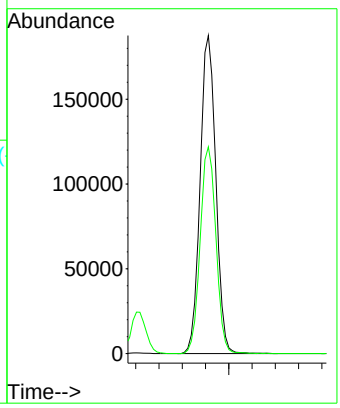
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

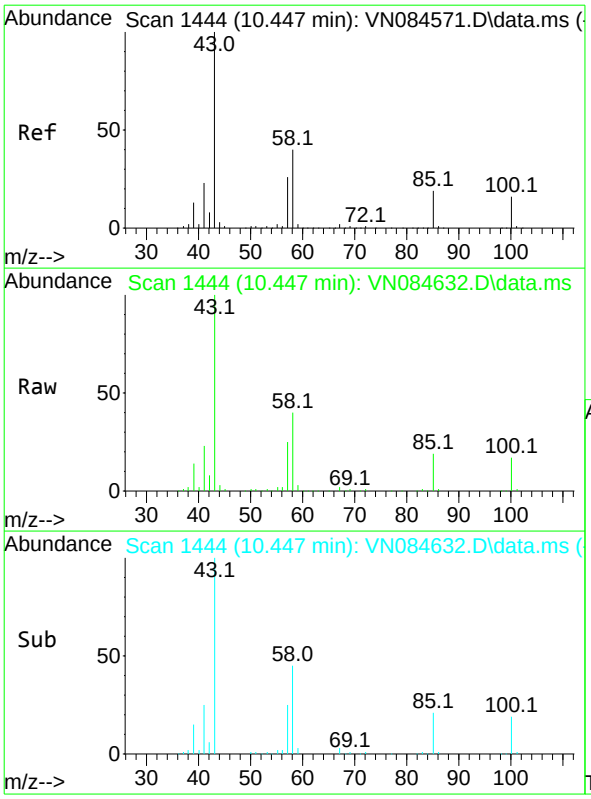


#50
Toluene-d8
Concen: 46.293 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 98 Resp: 350812

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

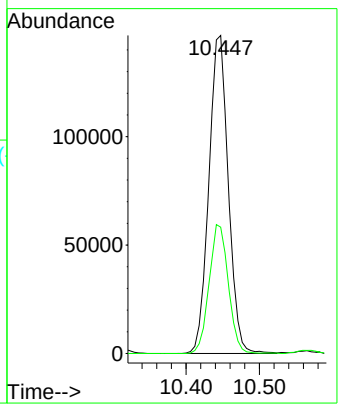




#51
4-Methyl-2-Pentanone
Concen: 109.342 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 269825

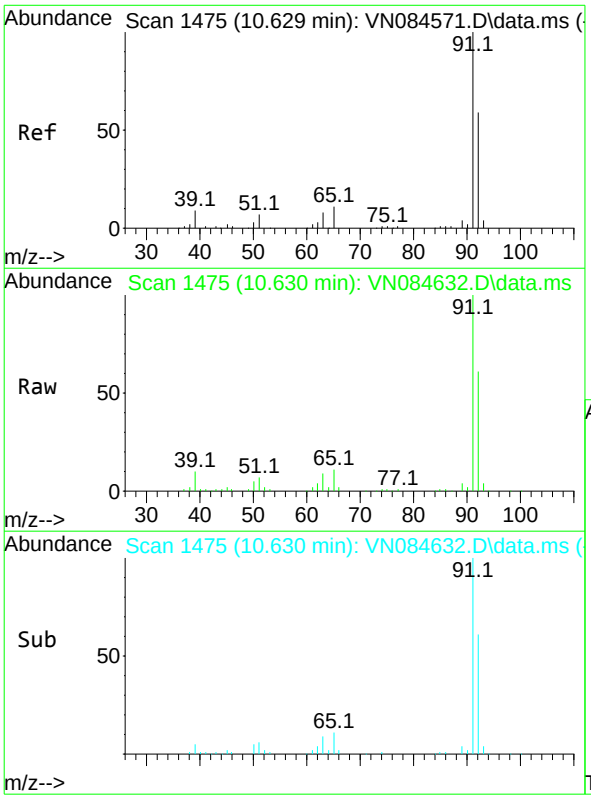
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

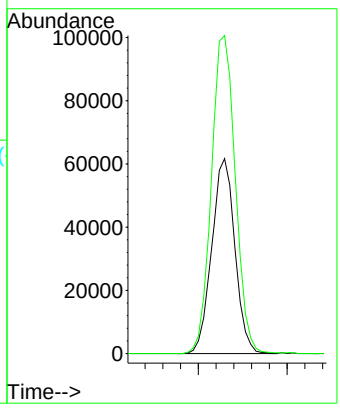
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

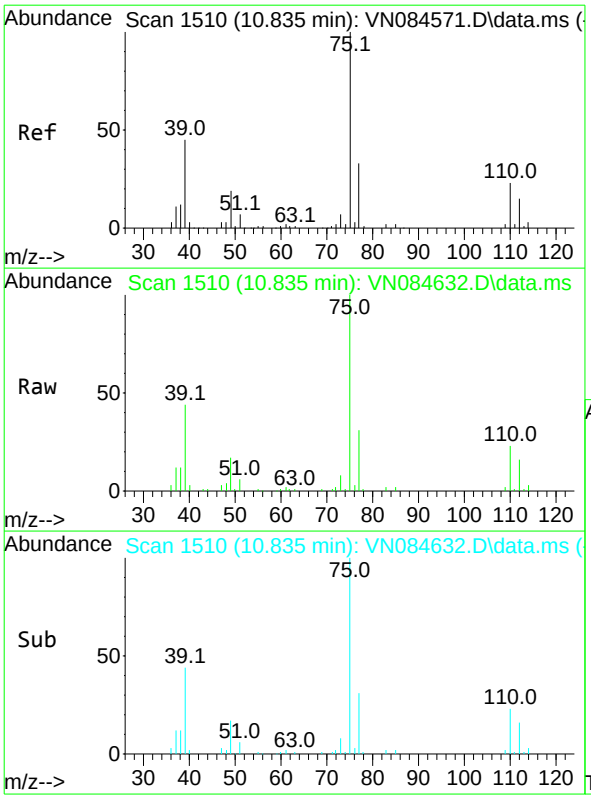


#52
Toluene
Concen: 20.840 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 92 Resp: 111675

Ion	Ratio	Lower	Upper
92	100		
91	168.7	137.3	205.9

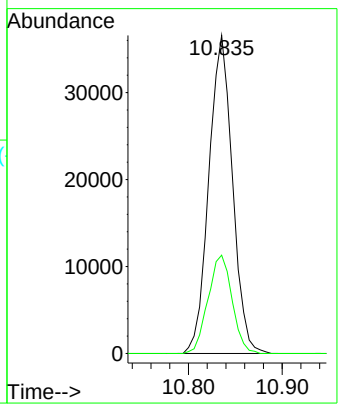




#53
t-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 63947

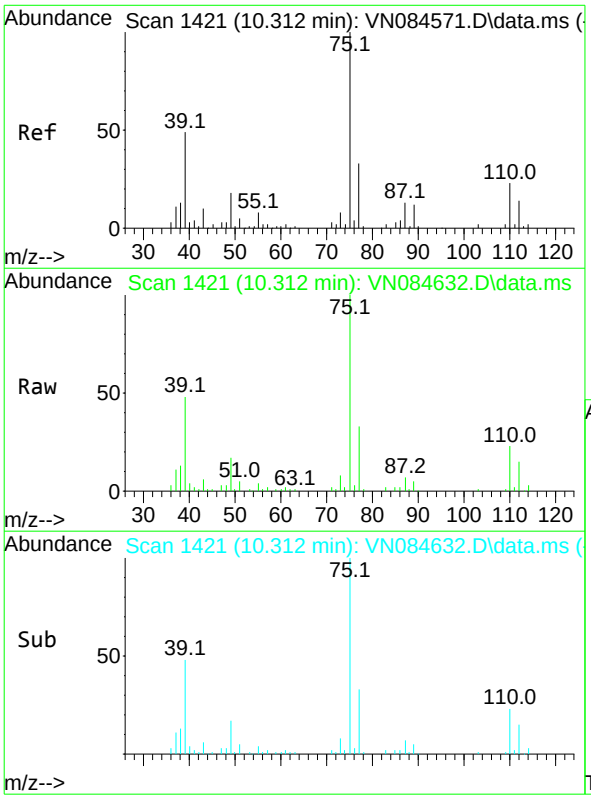
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

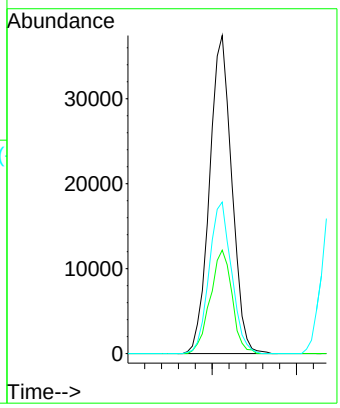
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

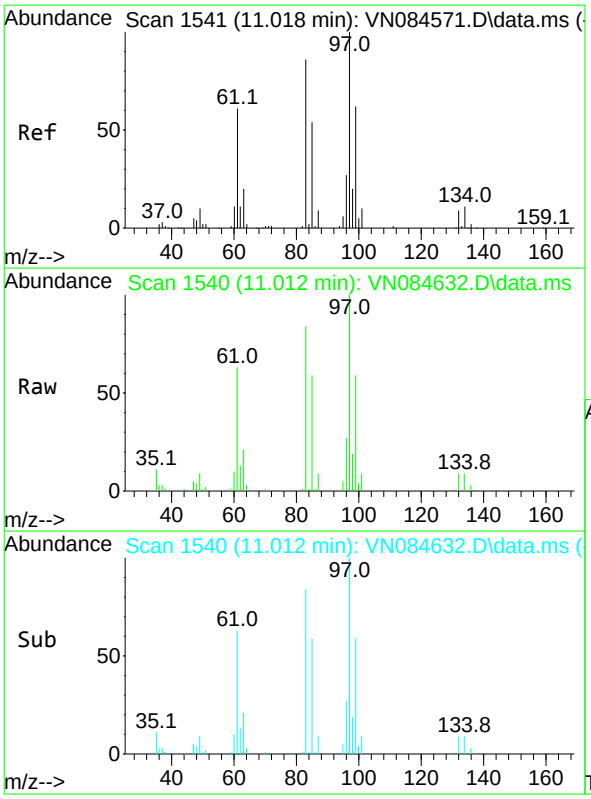


#54
cis-1,3-Dichloropropene
Concen: 19.617 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 68709

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	47.6	38.7	58.1

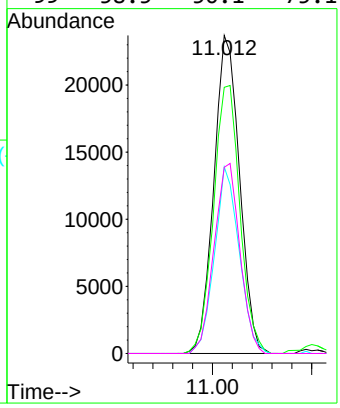




#55
1,1,2-Trichloroethane
Concen: 21.081 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 97 Resp: 42554

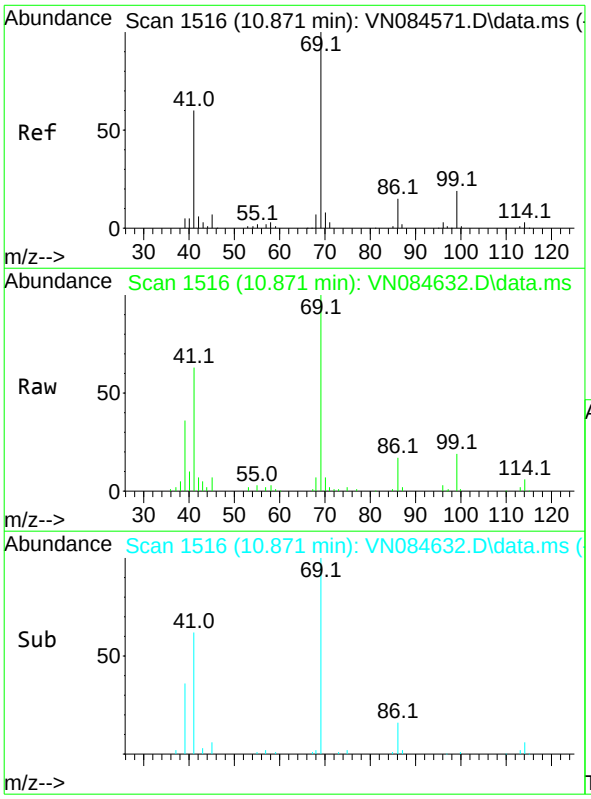
Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.0	106.4
85	58.6	41.7	62.5
99	58.5	50.1	75.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

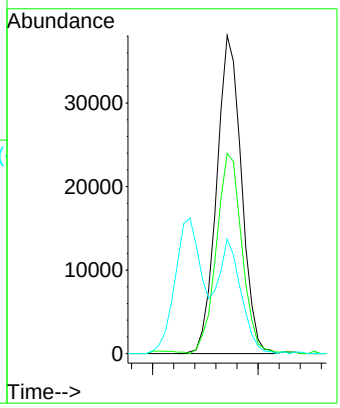
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

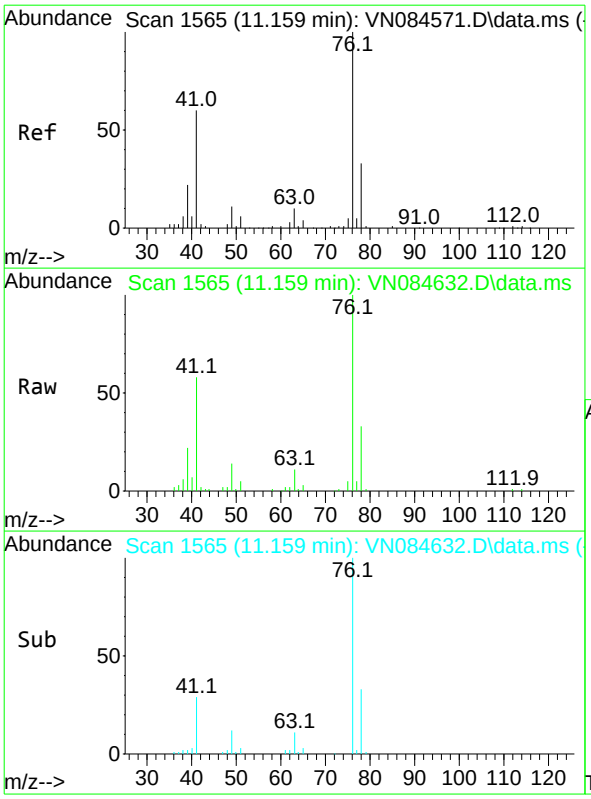


#56
Ethyl methacrylate
Concen: 21.283 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 69 Resp: 62143

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.3	79.9
39	33.9	28.8	43.2

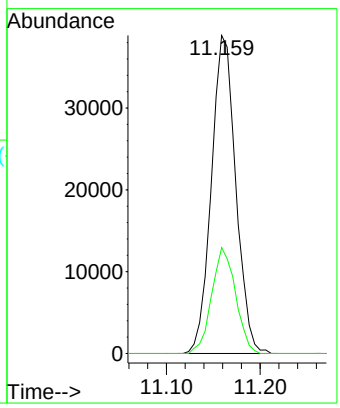




#57
1,3-Dichloropropane
Concen: 20.283 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 76 Resp: 70269

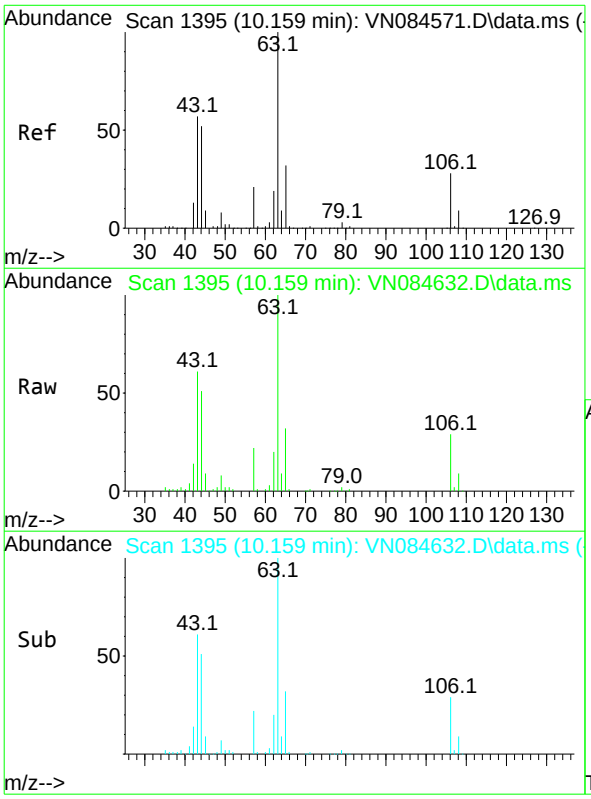
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

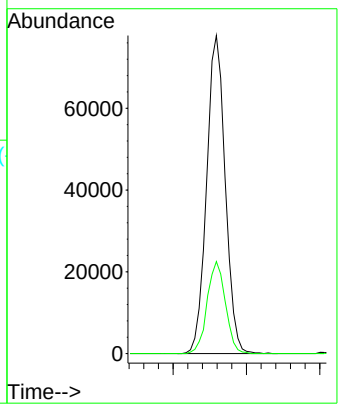
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

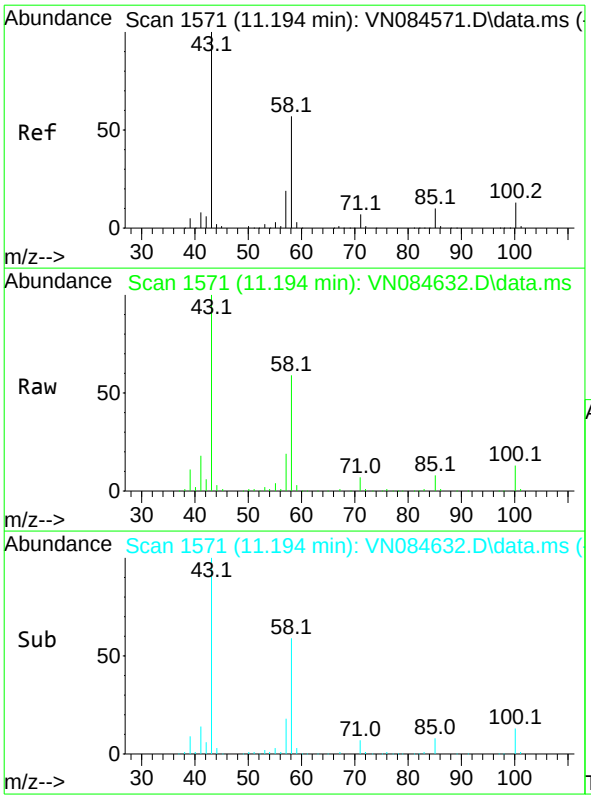


#58
2-Chloroethyl Vinyl ether
Concen: 100.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 63 Resp: 137129

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.8	32.6

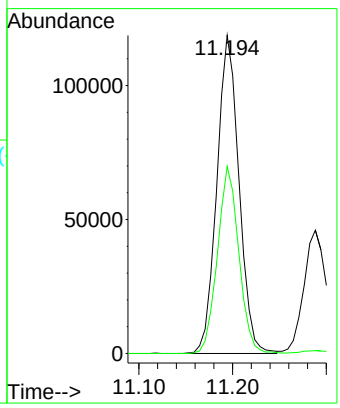




#59
2-Hexanone
Concen: 108.454 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 194808

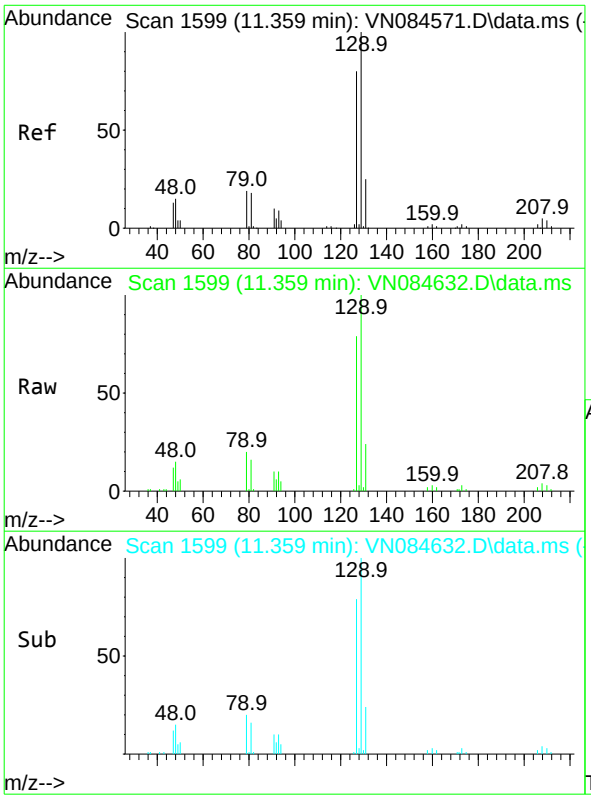
Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.3	81.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

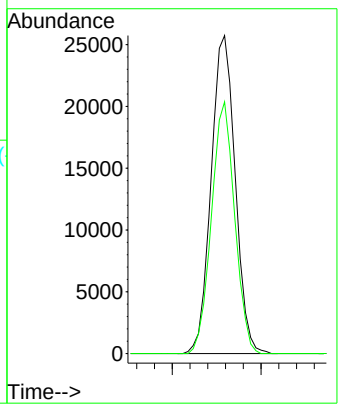
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

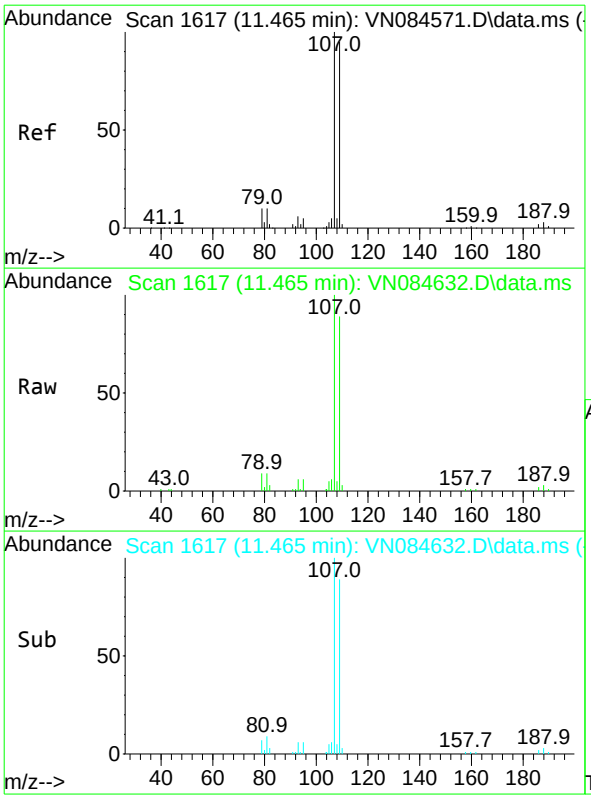


#60
Dibromochloromethane
Concen: 21.072 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:129 Resp: 48478

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9

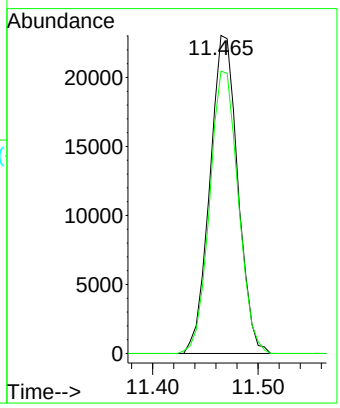




#61
1,2-Dibromoethane
Concen: 20.554 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:107 Resp: 42488

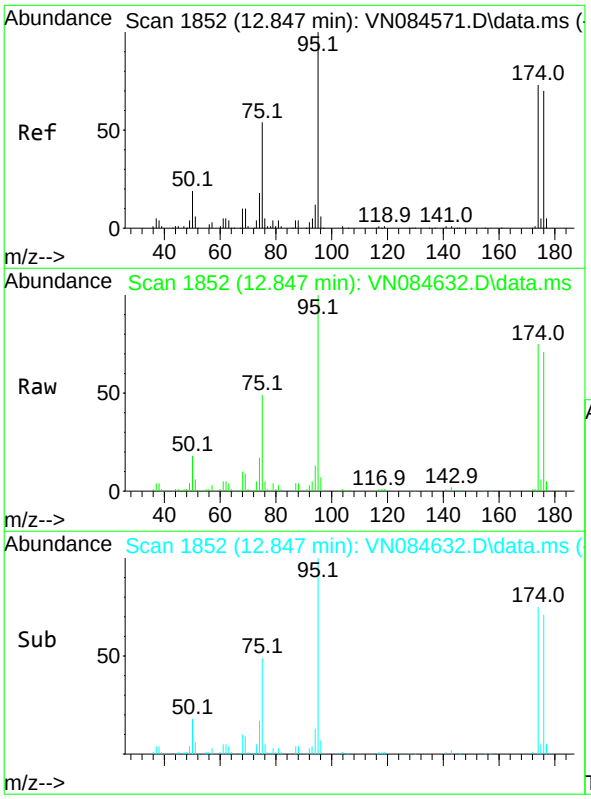
Ion	Ratio	Lower	Upper
107	100		
109	90.7	75.4	113.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

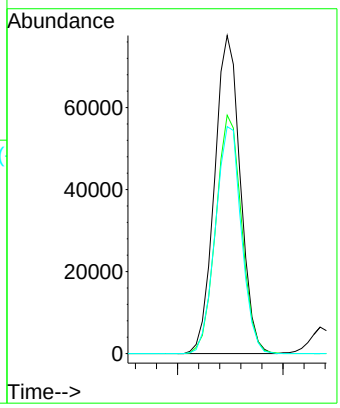
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

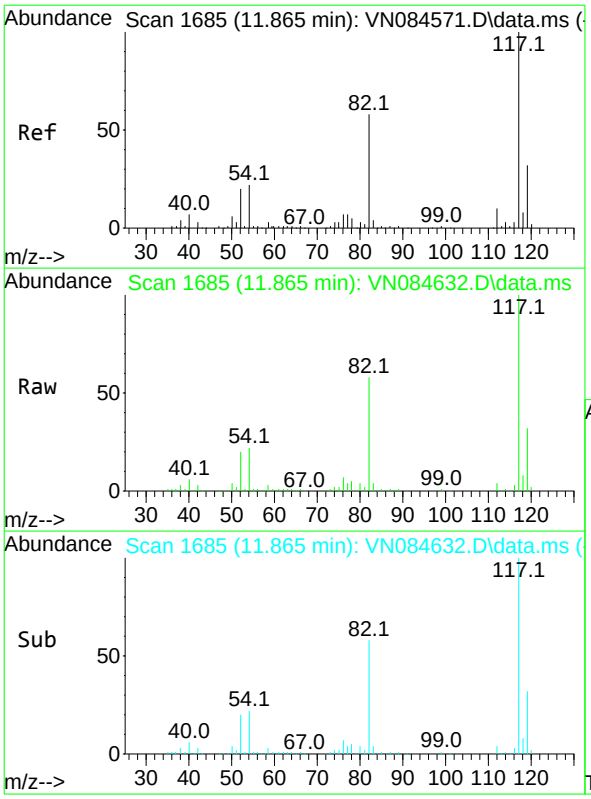


#62
4-Bromofluorobenzene
Concen: 46.526 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 95 Resp: 131770

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: VN084632.D
Acq: 01 Nov 2024 12:32

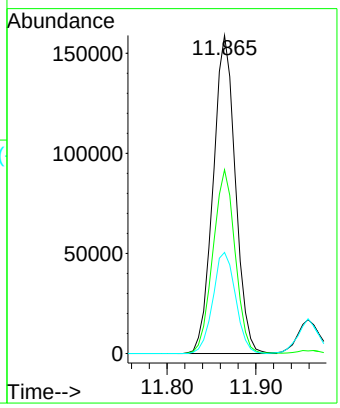
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

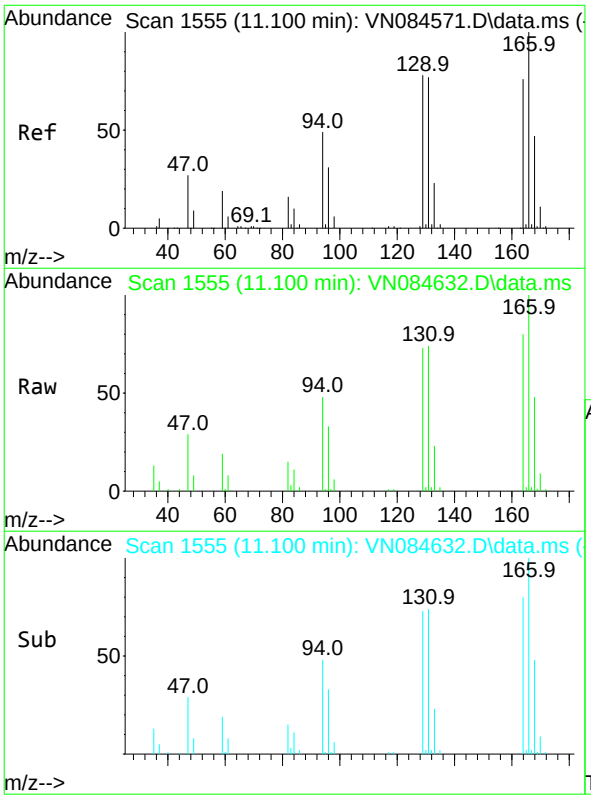
Tgt Ion:117 Resp: 276373

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.8	25.4	38.0

Manual Integrations
APPROVED

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

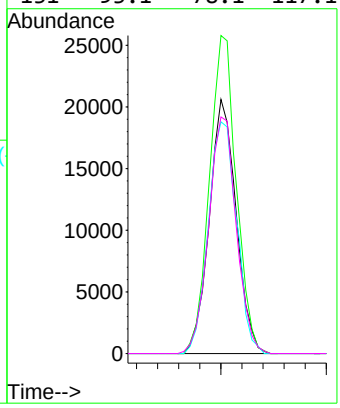


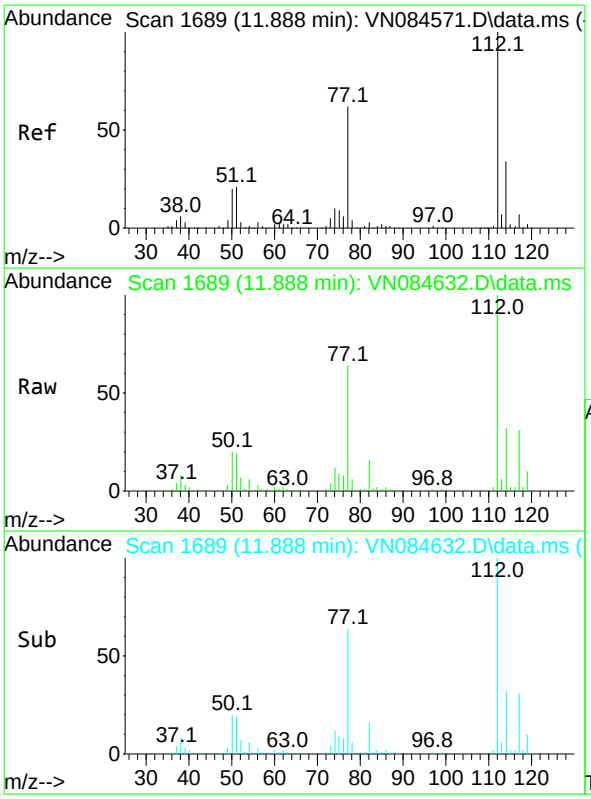


#64
Tetrachloroethene
Concen: 19.779 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:164 Resp: 36361

Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.0	151.4
129	91.2	80.8	121.2
131	93.1	78.1	117.1

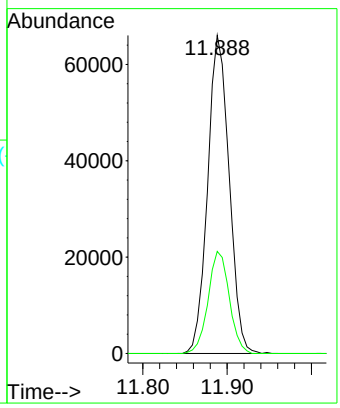




#65
Chlorobenzene
Concen: 18.870 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:112 Resp: 116675

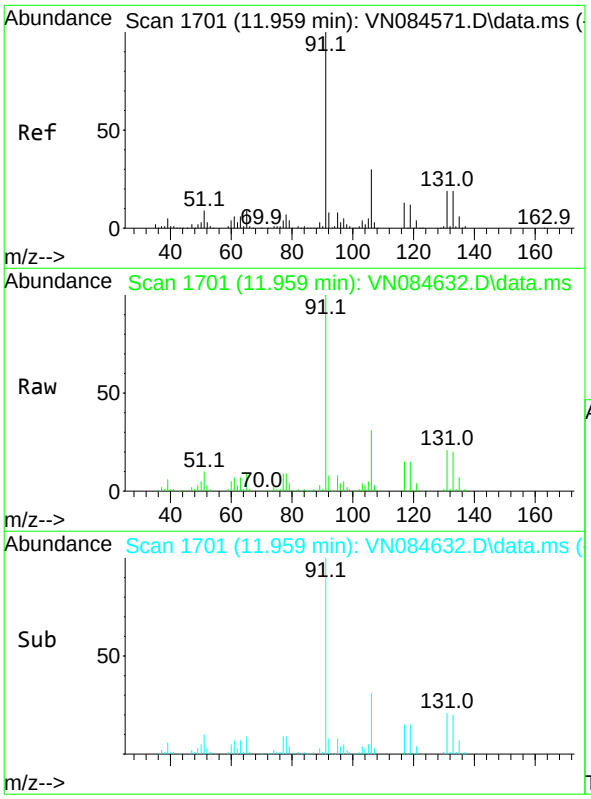
Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

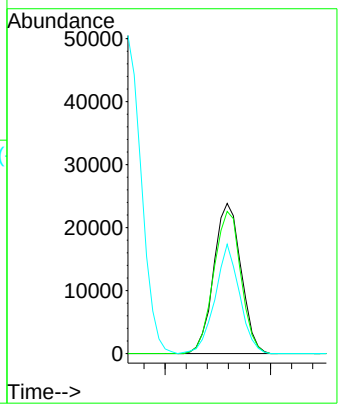
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

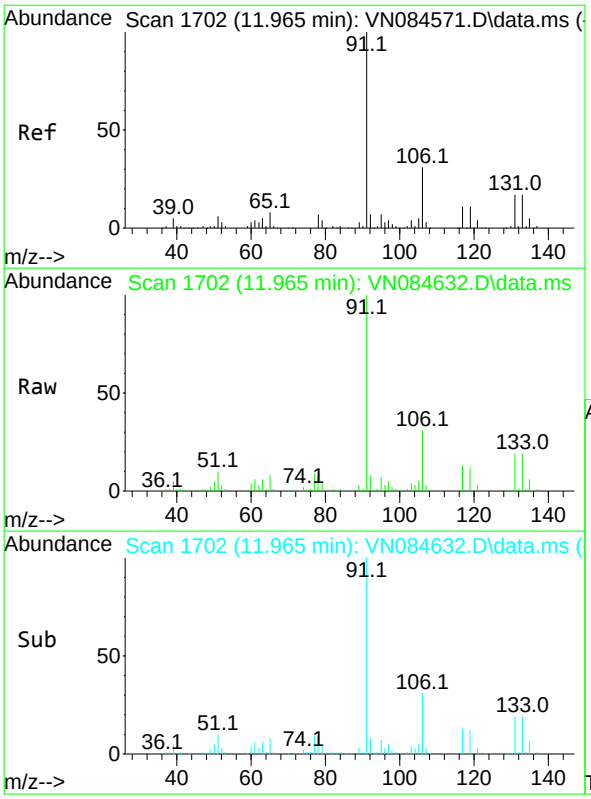


#66
1,1,1,2-Tetrachloroethane
Concen: 19.982 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:131 Resp: 42973

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	65.5	32.8	98.3

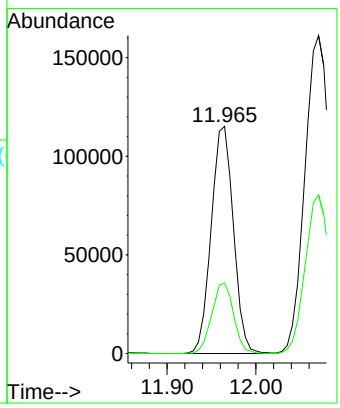




#67
Ethyl Benzene
Concen: 19.420 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 200430

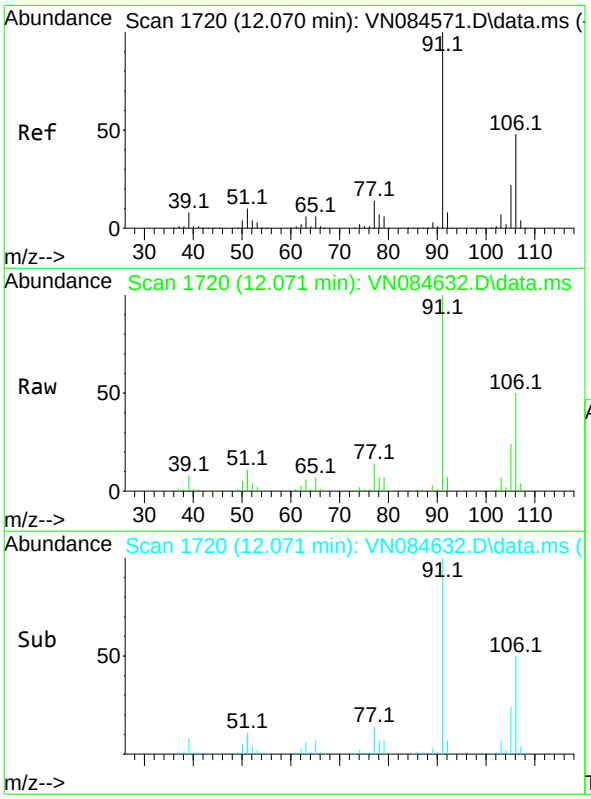
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

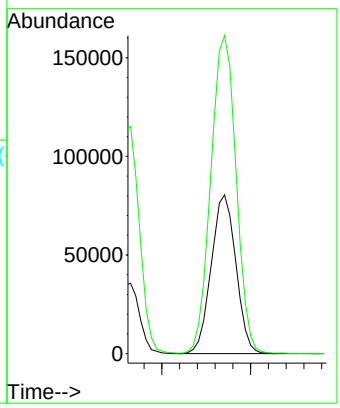
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

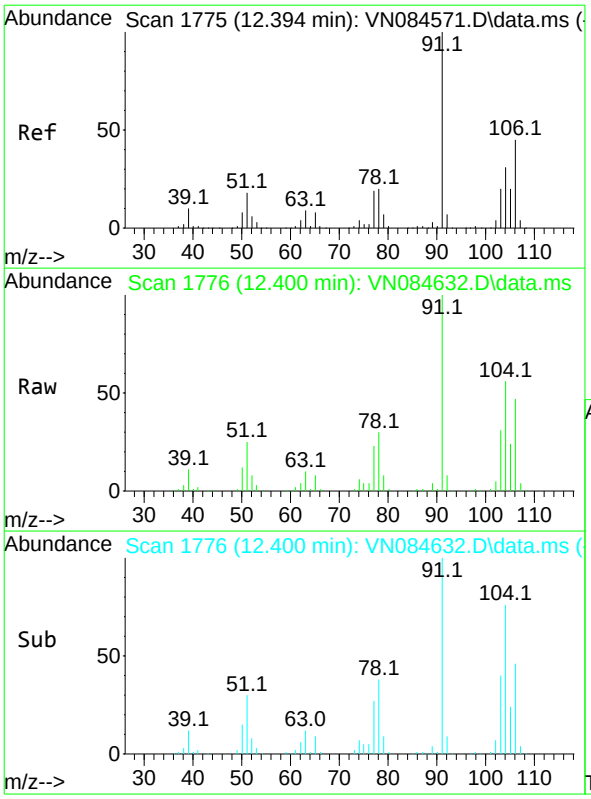


#68
m/p-Xylenes
Concen: 39.784 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:106 Resp: 155447

Ion	Ratio	Lower	Upper
106	100		
91	205.6	167.1	250.7

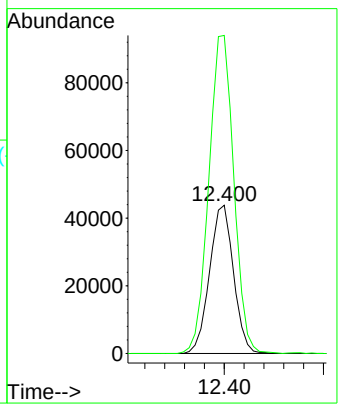




#69
o-Xylene
Concen: 20.108 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:106 Resp: 73499

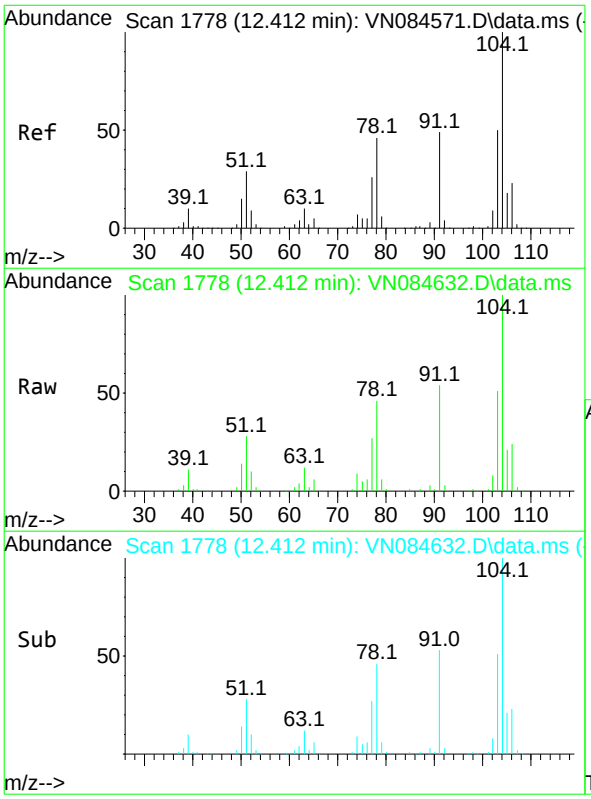
Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.2	330.6



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

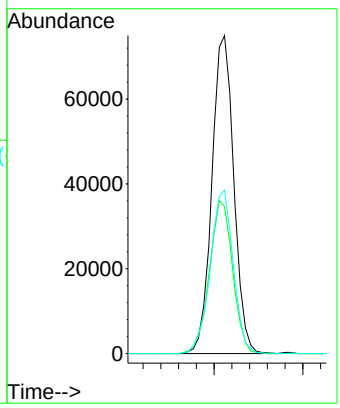
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

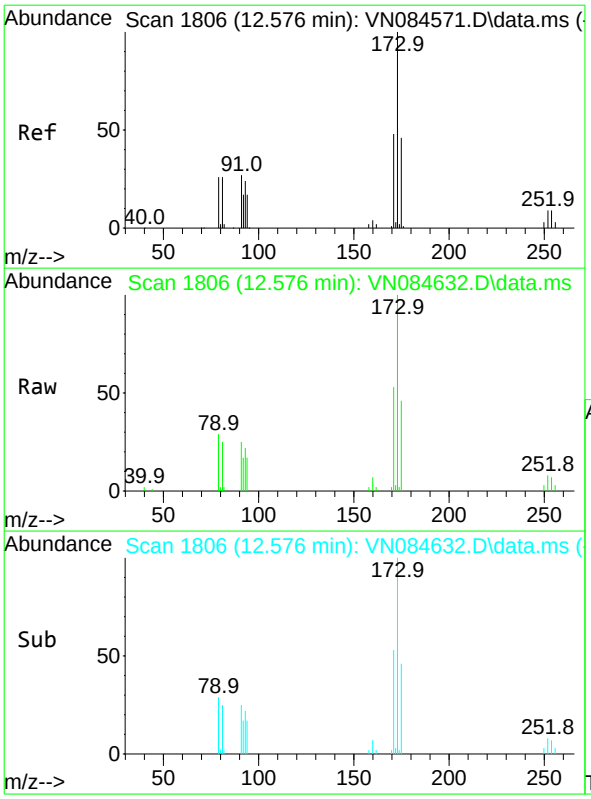


#70
Styrene
Concen: 20.153 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:104 Resp: 128498

Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.7	64.1
103	53.8	43.6	65.4

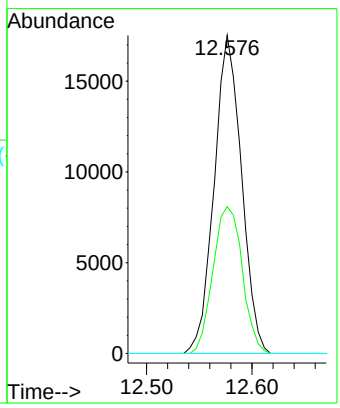




#71
Bromoform
Concen: 19.505 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:173 Resp: 31565

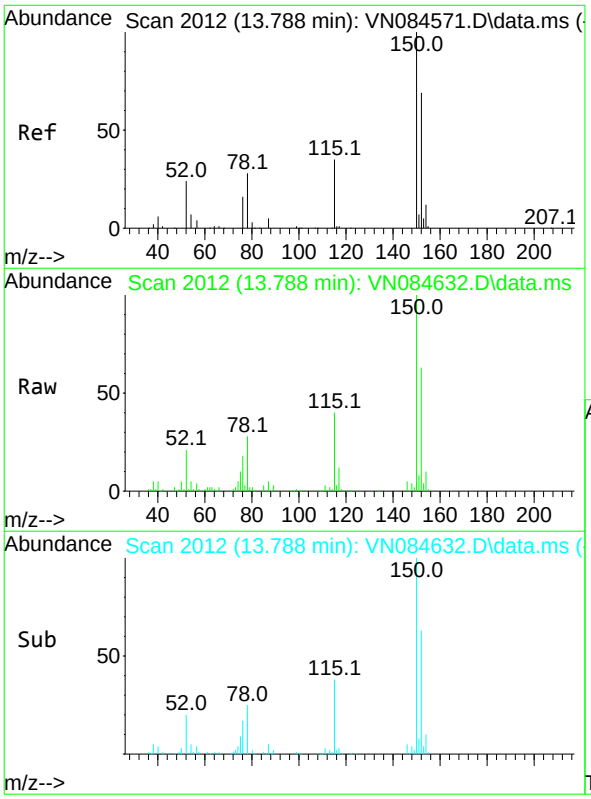
Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations APPROVED

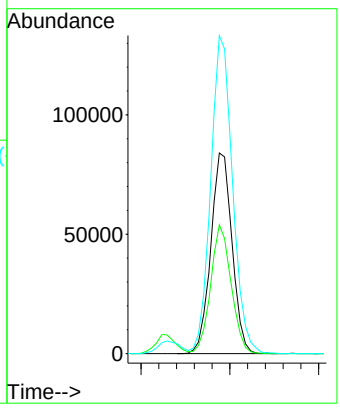
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

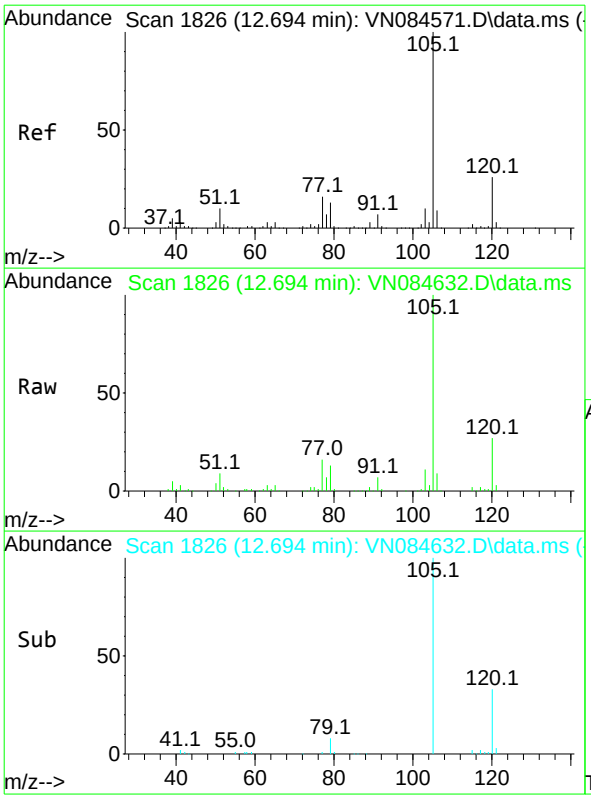


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:152 Resp: 139639

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	163.4	0.0	349.8

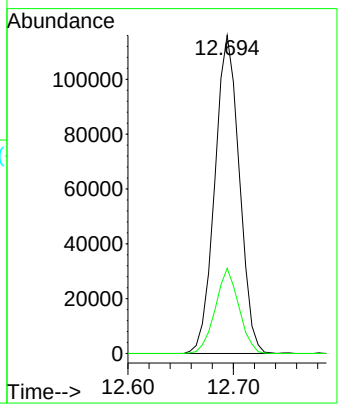




#73
Isopropylbenzene
Concen: 19.185 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 187731

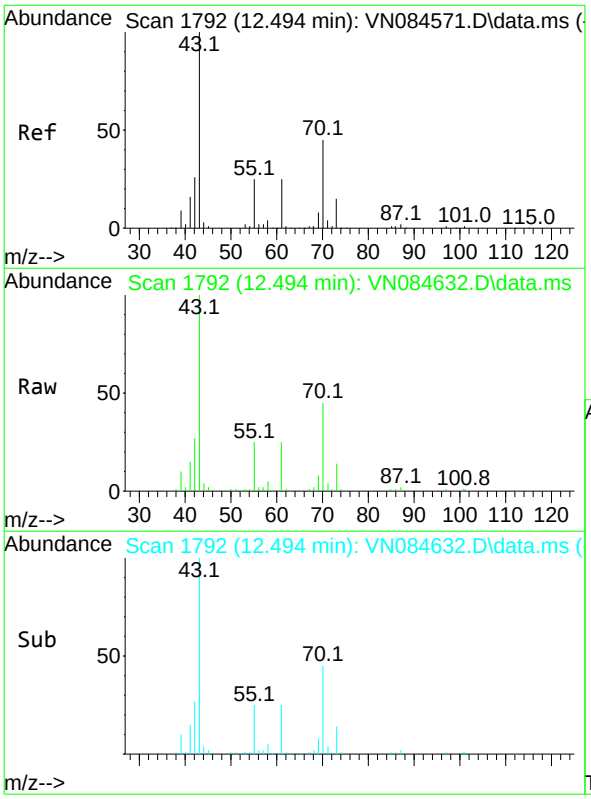
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

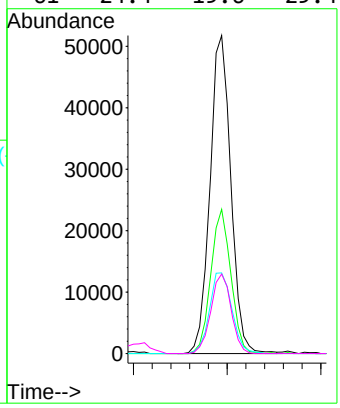
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

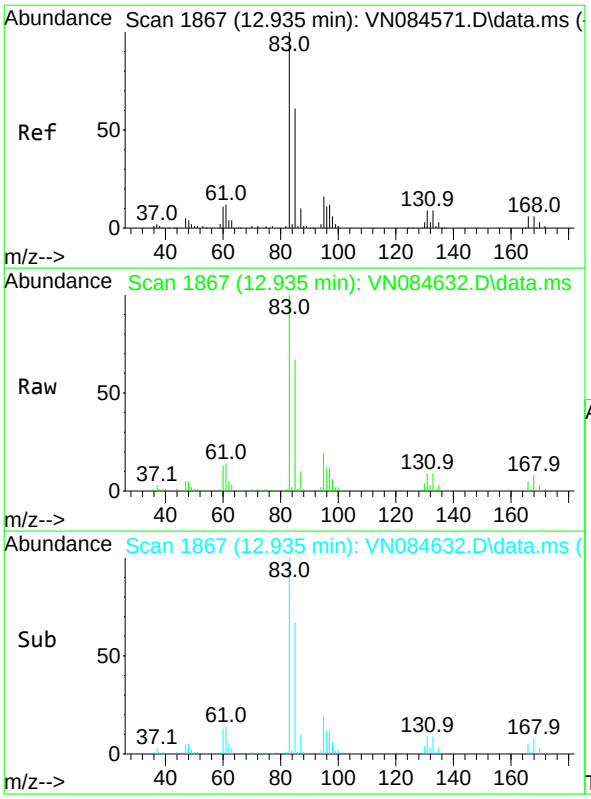


#74
N-amyl acetate
Concen: 19.218 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 80040

Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.4	51.6
55	27.3	19.6	29.4
61	24.4	19.6	29.4

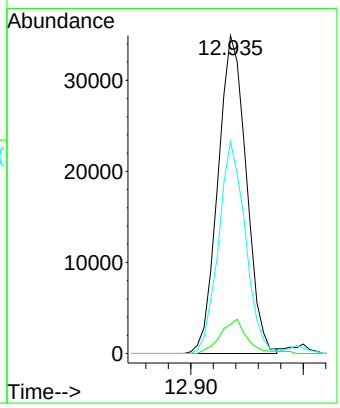




#75
1,1,2,2-Tetrachloroethane
Concen: 18.676 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 83 Resp: 61000

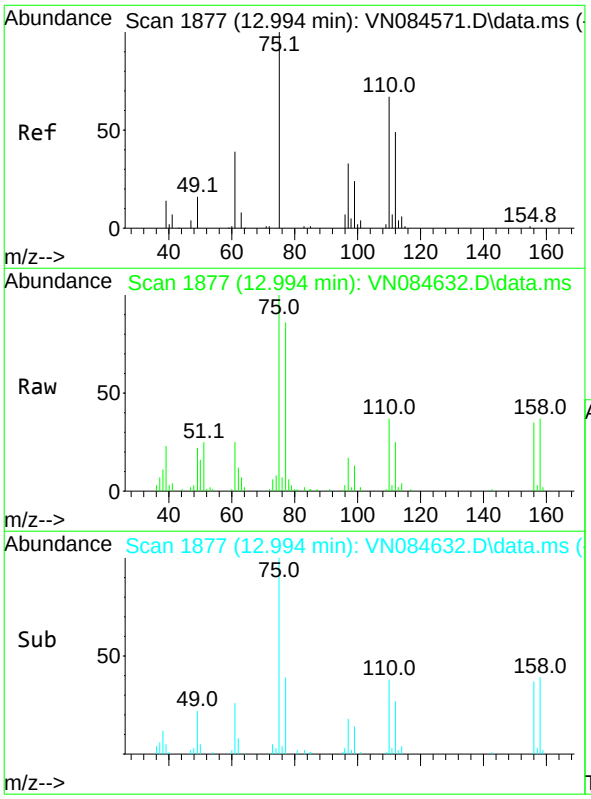
Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	63.3	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations APPROVED

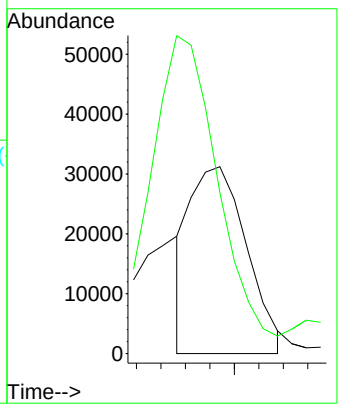
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

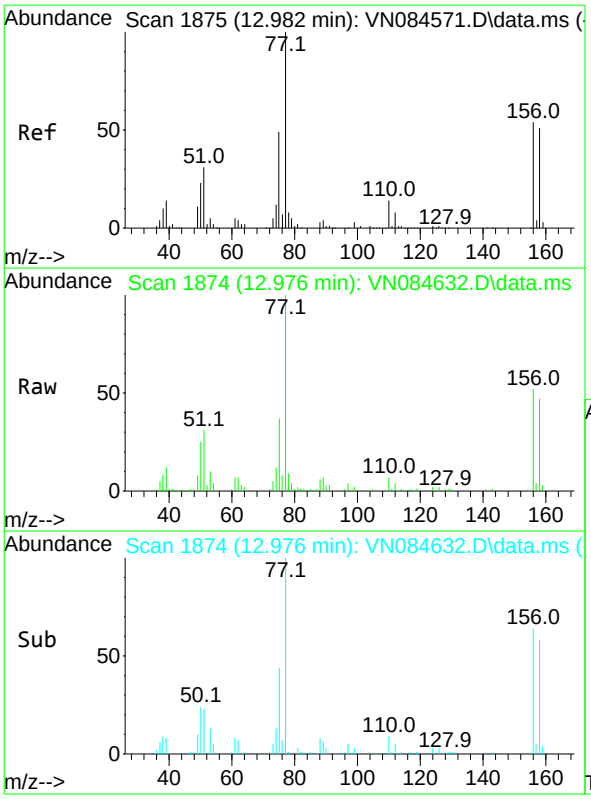


#76
1,2,3-Trichloropropane
Concen: 18.000 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 50243

Ion	Ratio	Lower	Upper
75	100		
77	207.9	96.9	290.7

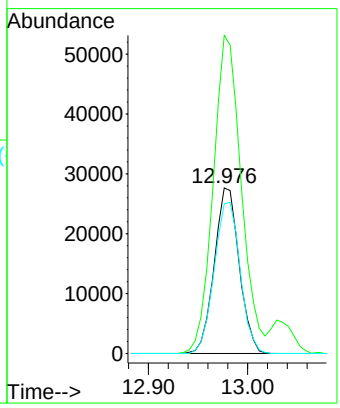




#77
Bromobenzene
Concen: 18.321 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:156 Resp: 48197

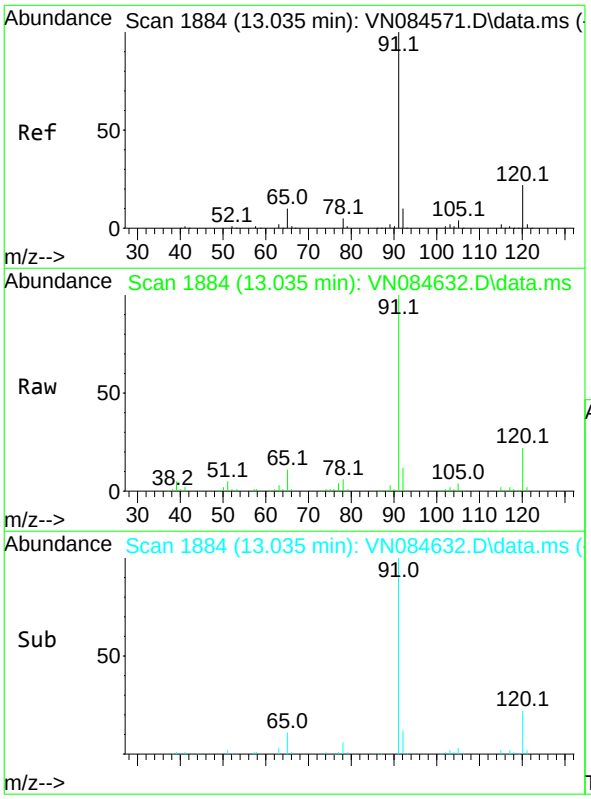
Ion	Ratio	Lower	Upper
156	100		
77	216.7	115.1	345.3
158	95.2	48.9	146.8



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

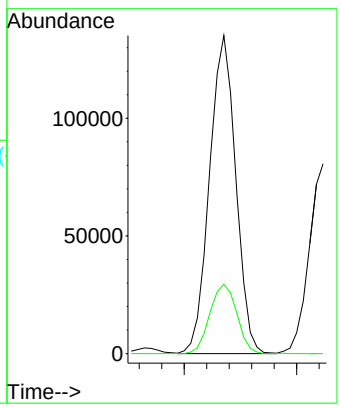
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

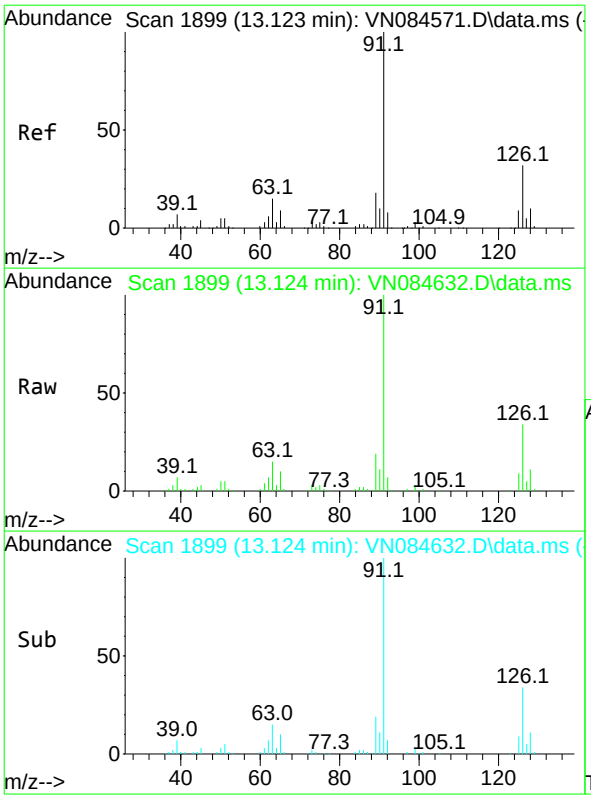


#78
n-propylbenzene
Concen: 19.130 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 219361

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4

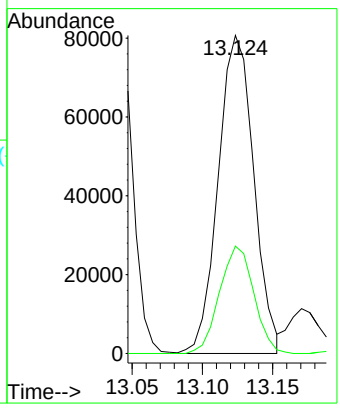




#79
2-Chlorotoluene
Concen: 18.959 ug/l
RT: 13.124 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 142054

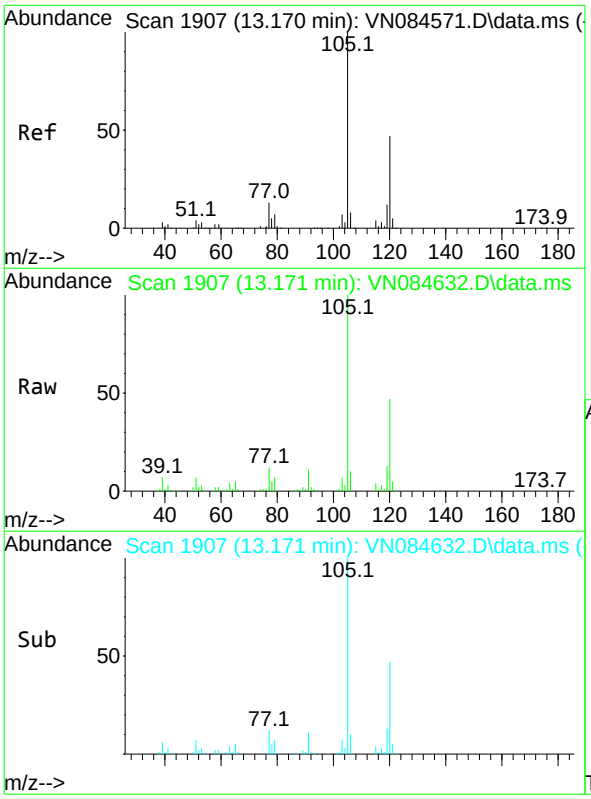
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

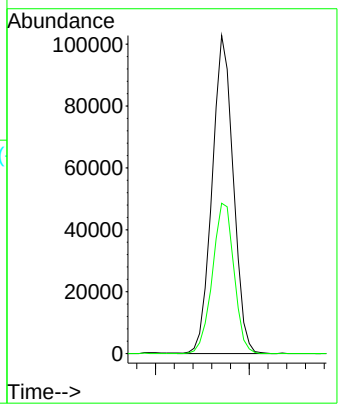
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

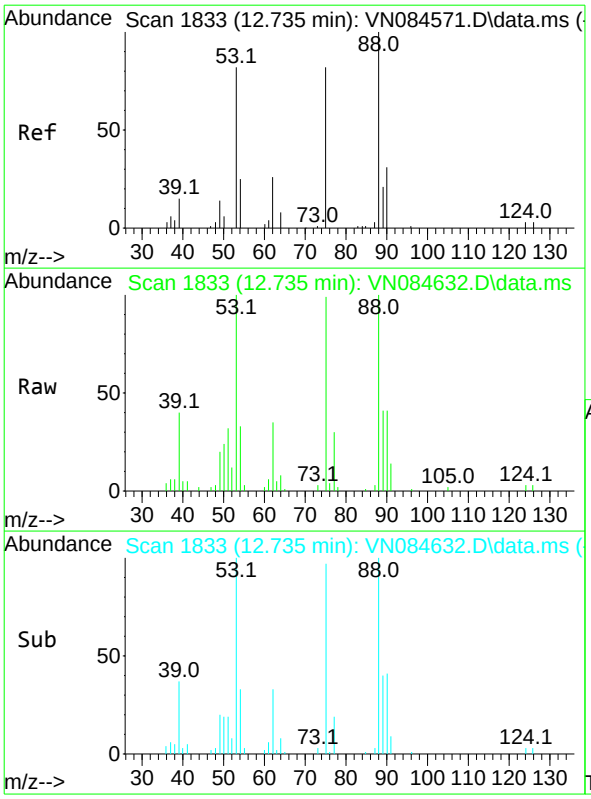


#80
1,3,5-Trimethylbenzene
Concen: 19.861 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 161079

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.7	71.1

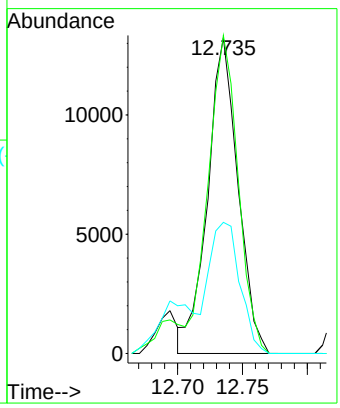




#81
trans-1,4-Dichloro-2-butene
Concen: 18.271 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 21497

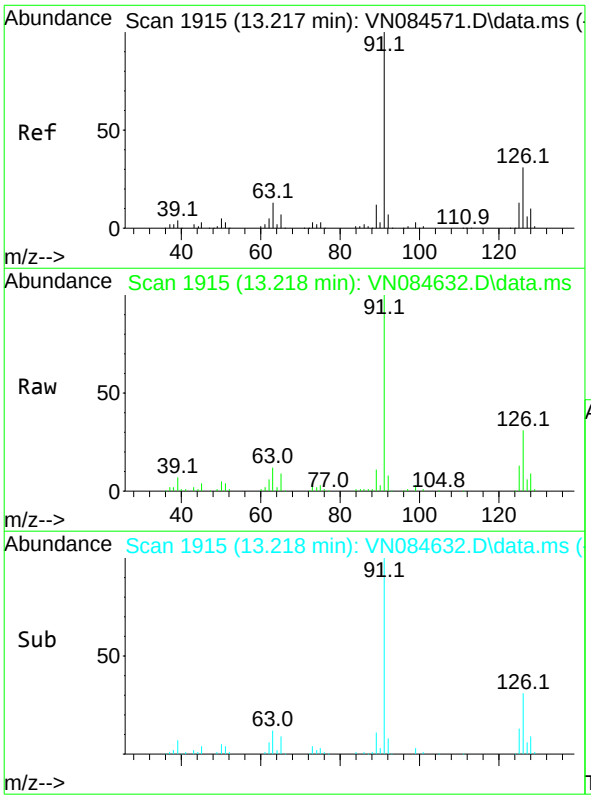
Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.0	117.0
89	41.4	35.5	53.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

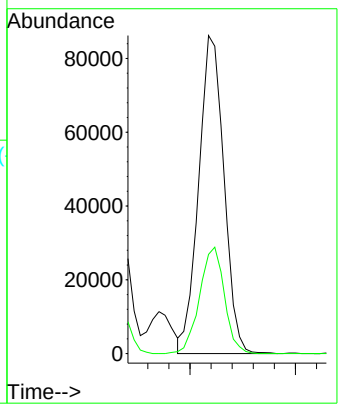
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

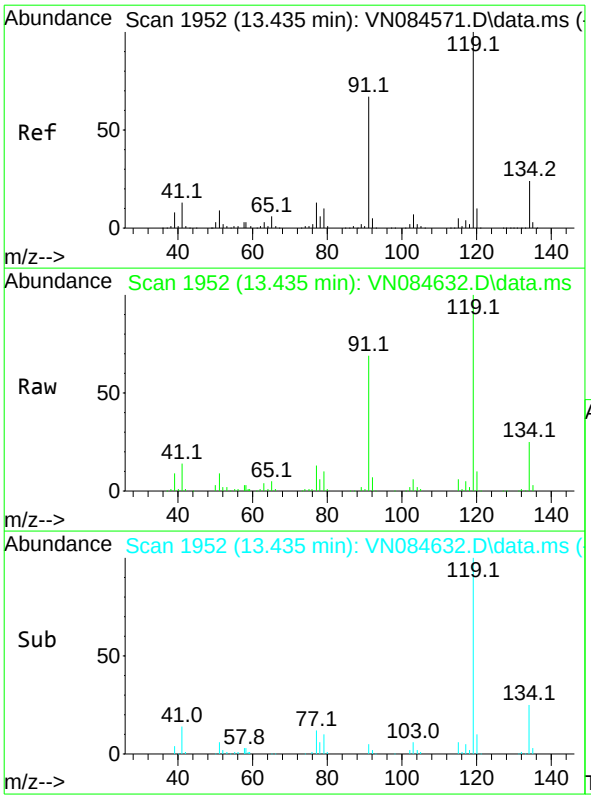


#82
4-Chlorotoluene
Concen: 18.187 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 143409

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1

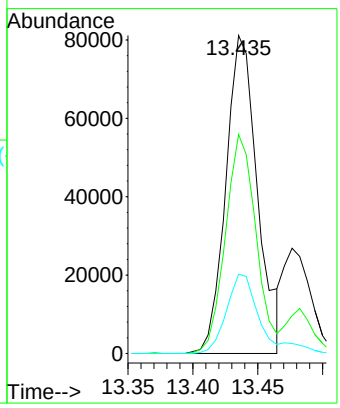




#83
tert-Butylbenzene
Concen: 20.530 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

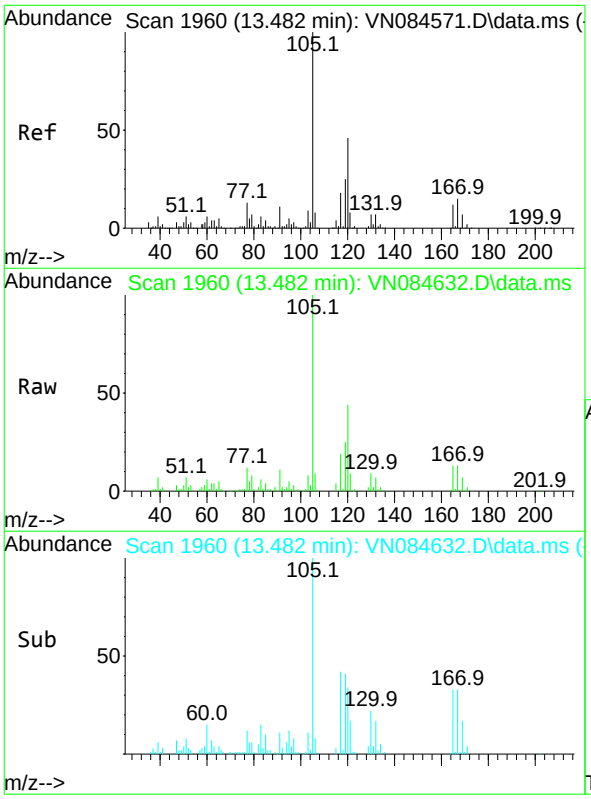
Tgt Ion:119 Resp: 137807

Ion	Ratio	Lower	Upper
119	100		
91	66.5	34.1	102.3
134	26.7	12.8	38.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

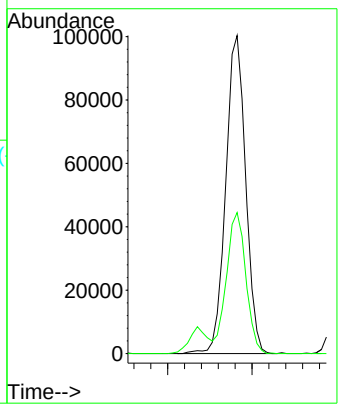
Manual Integrations
APPROVED
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

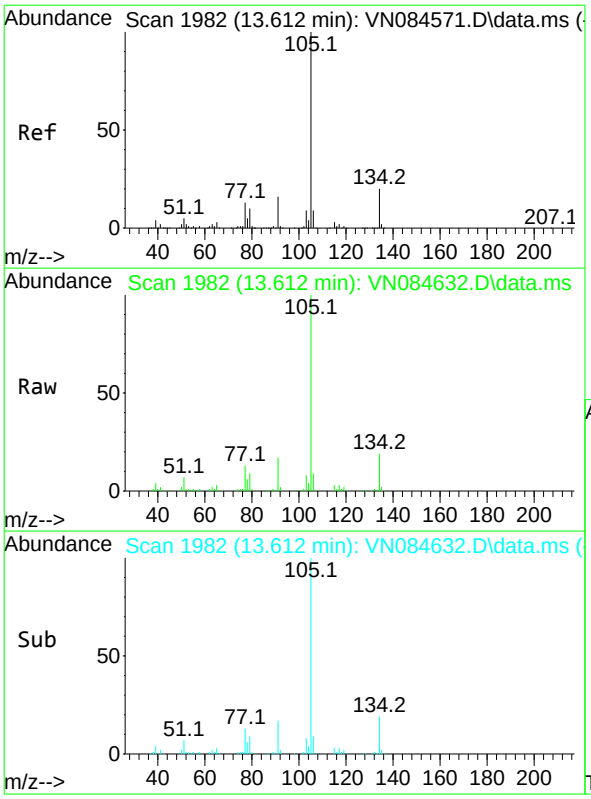


#84
1,2,4-Trimethylbenzene
Concen: 19.634 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 164356

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8

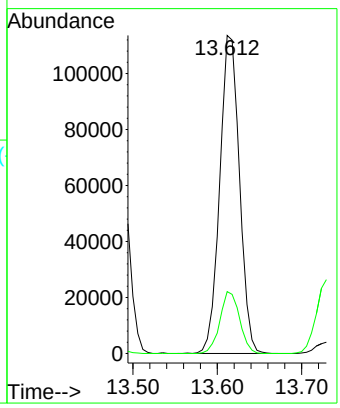




#85
sec-Butylbenzene
Concen: 19.458 ug/l
RT: 13.612 min Scan# 19
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 184495

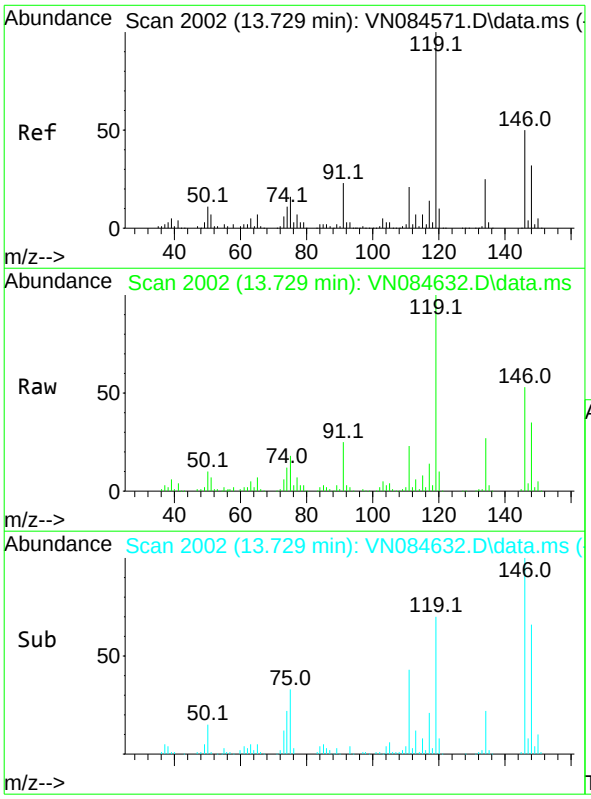
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

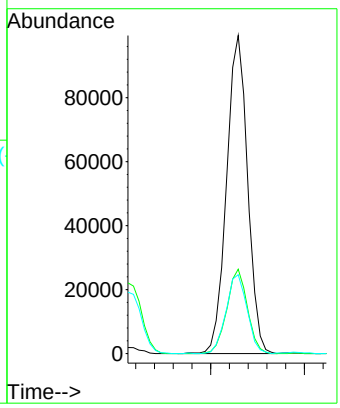
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

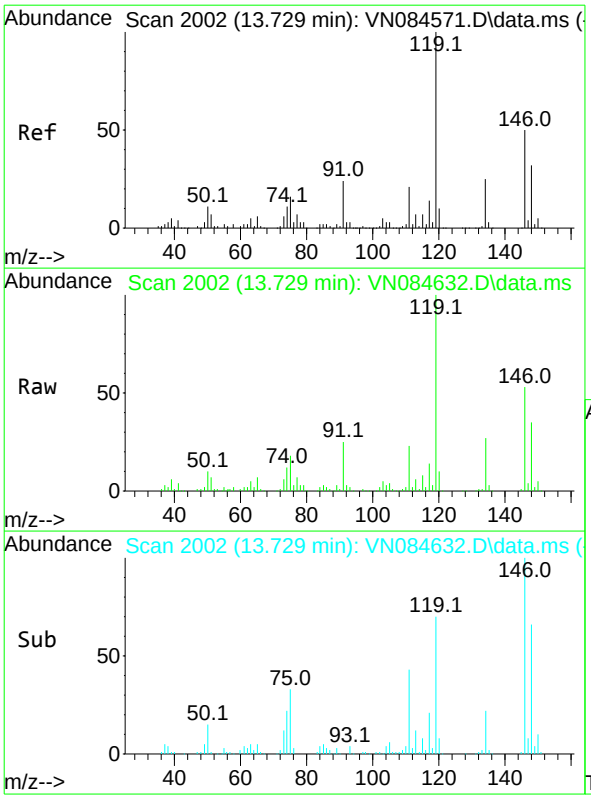


#86
p-Isopropyltoluene
Concen: 19.939 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:119 Resp: 155045

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.9	12.4	37.2

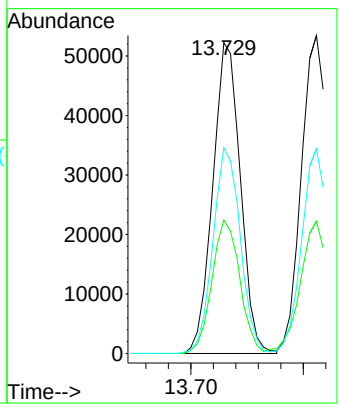




#87
1,3-Dichlorobenzene
Concen: 17.338 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:146 Resp: 89011

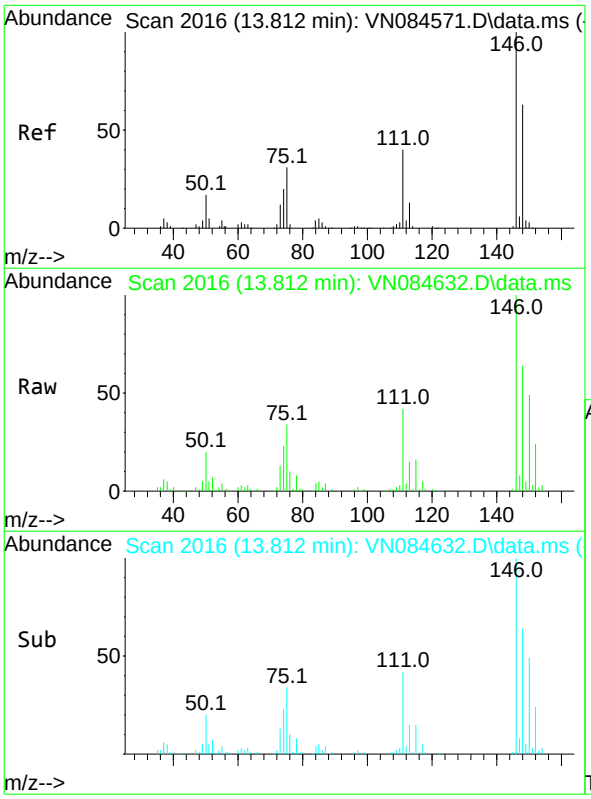
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	65.7	31.9	95.7



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

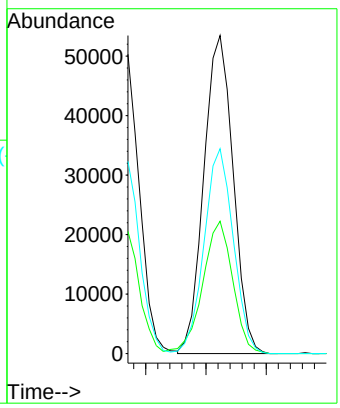
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

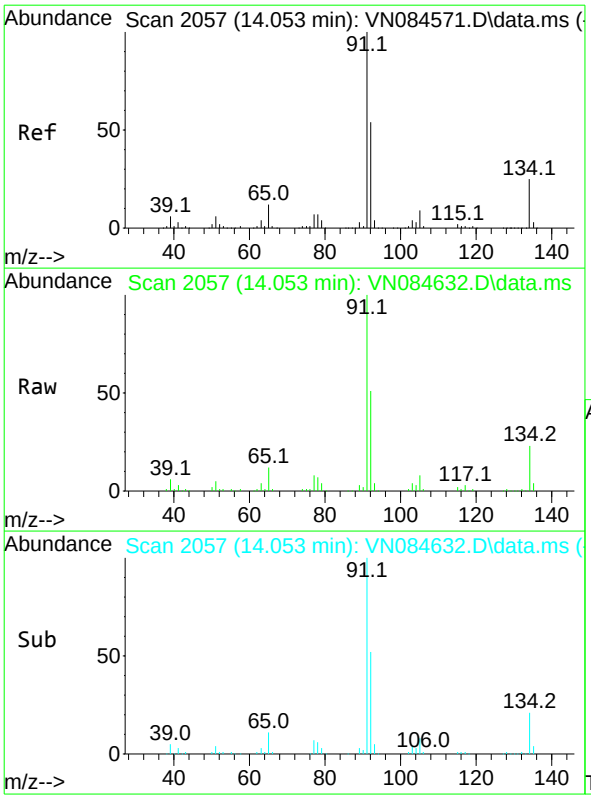


#88
1,4-Dichlorobenzene
Concen: 18.501 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:146 Resp: 90455

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.2	31.9	95.9





#89
n-Butylbenzene
Concen: 17.349 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

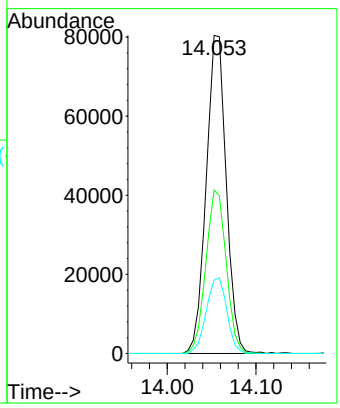
Tgt Ion: 91 Resp: 126197

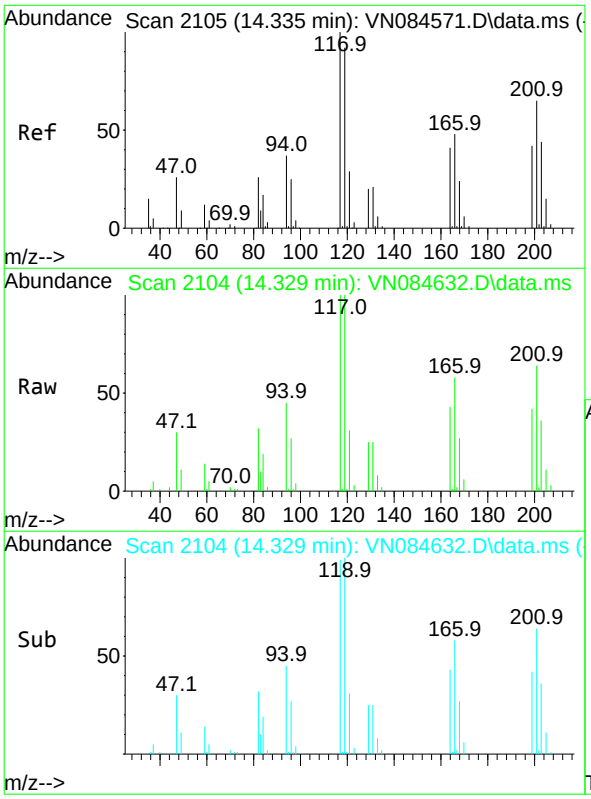
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	24.3	12.3	36.9

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

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

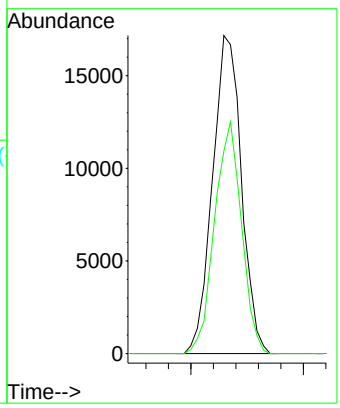


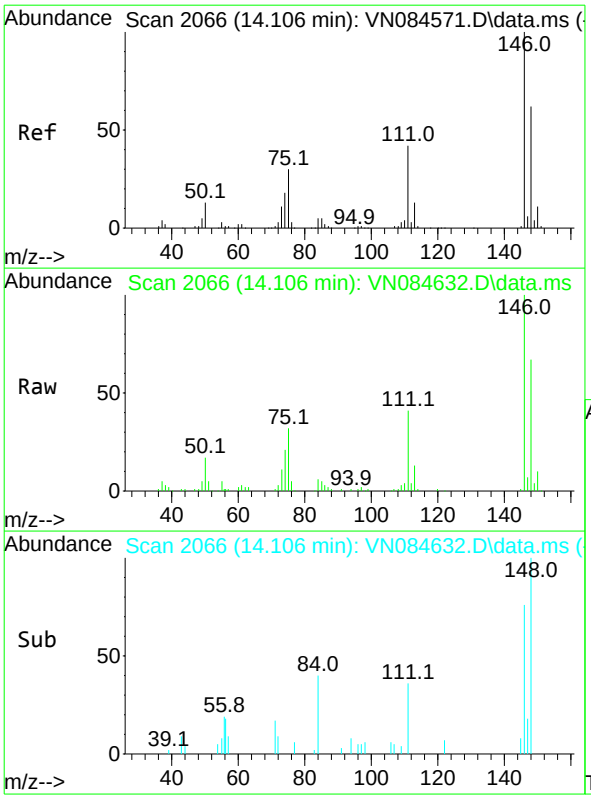


#90
Hexachloroethane
Concen: 17.643 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:117 Resp: 30596

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.4	103.2

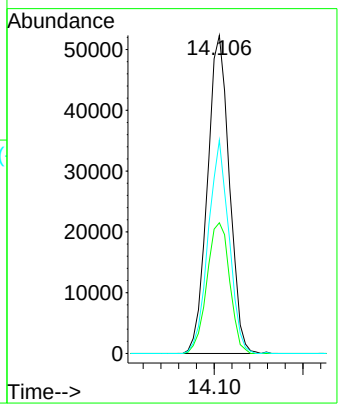




#91
1,2-Dichlorobenzene
Concen: 18.166 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:146 Resp: 89620

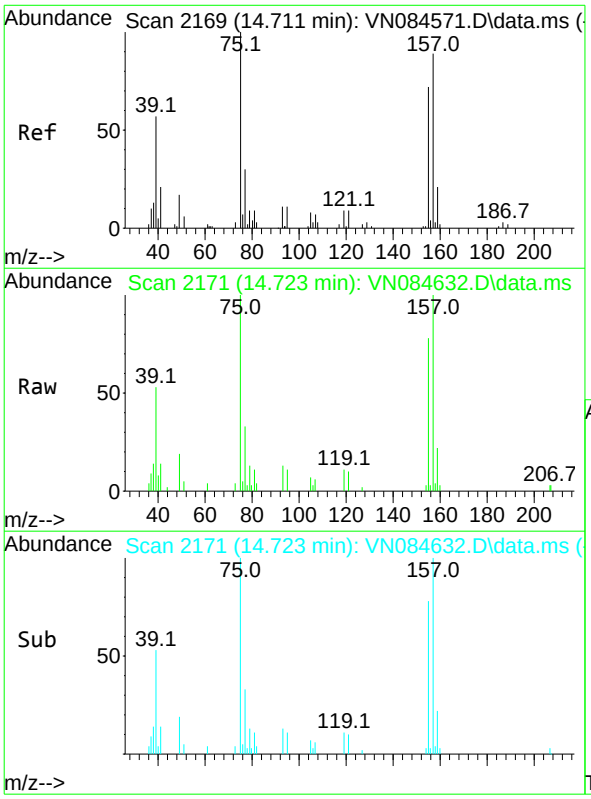
Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.0	66.0
148	63.4	32.1	96.3



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

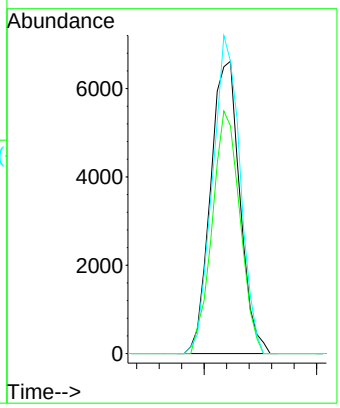
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024

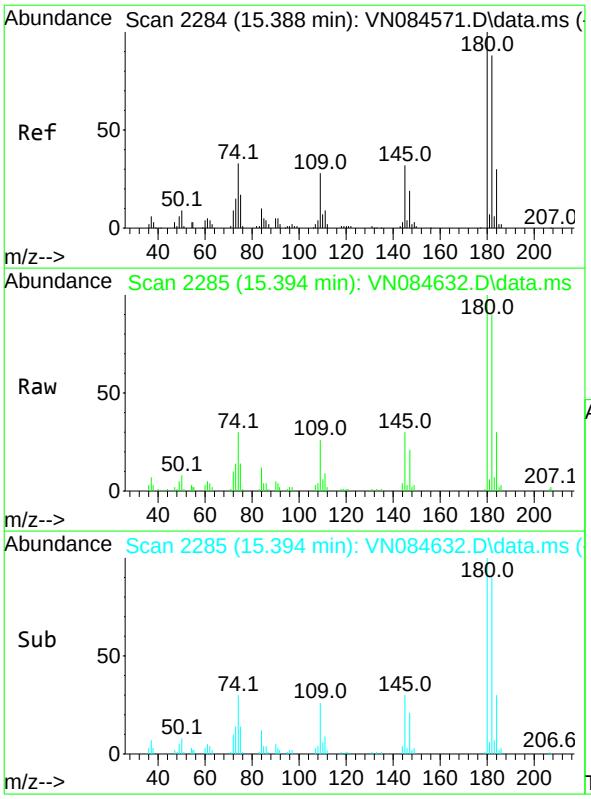


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.135 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 12000

Ion	Ratio	Lower	Upper
75	100		
155	78.3	38.1	114.5
157	102.2	49.6	149.0





#93
1,2,4-Trichlorobenzene
Concen: 15.975 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

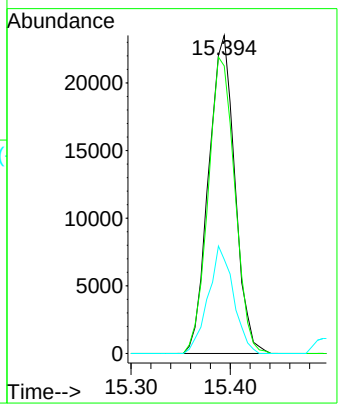
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

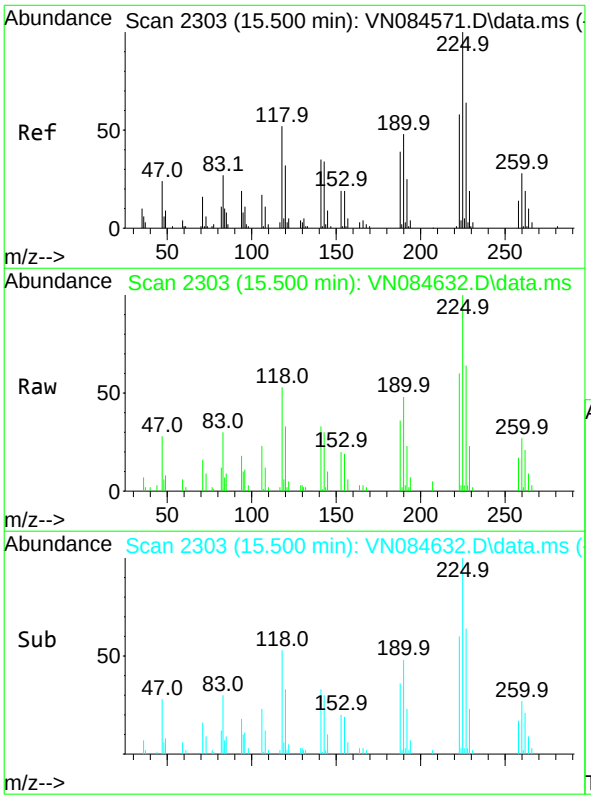
Tgt Ion:180 Resp: 43138

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	32.5	16.4	49.4

Manual Integrations APPROVED

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

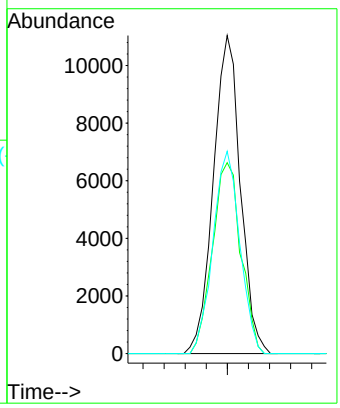


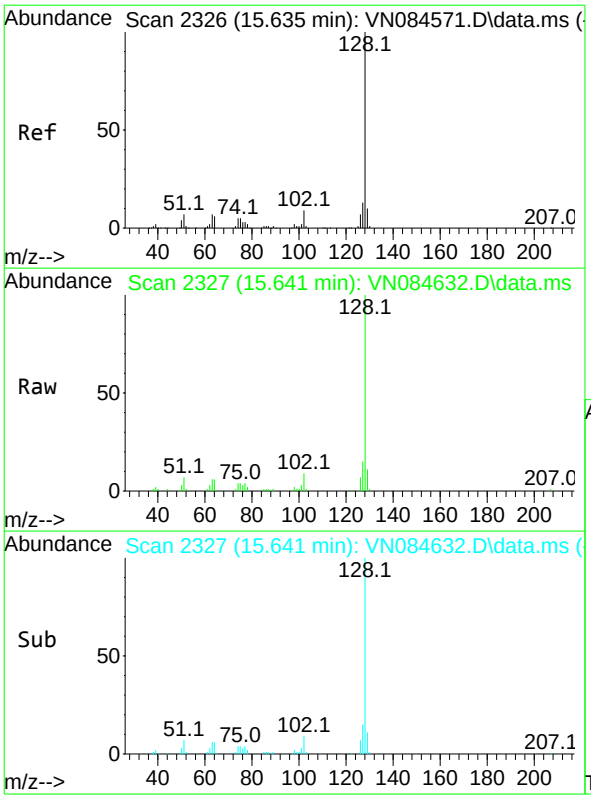


#94
Hexachlorobutadiene
Concen: 16.620 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:225 Resp: 19708

Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	63.1	32.4	97.0

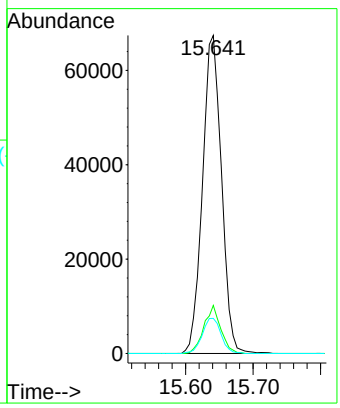




#95
Naphthalene
Concen: 16.299 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:128 Resp: 131737

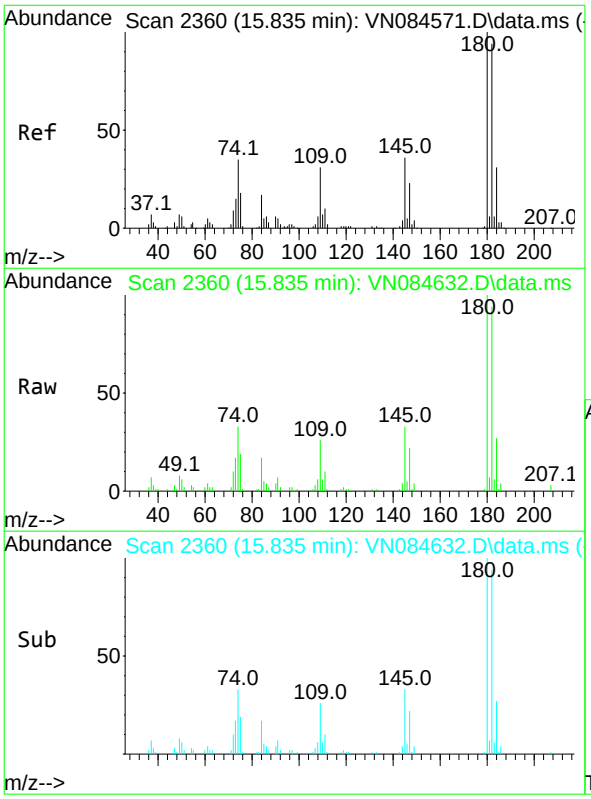
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.0	8.7	13.1



Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Manual Integrations
APPROVED

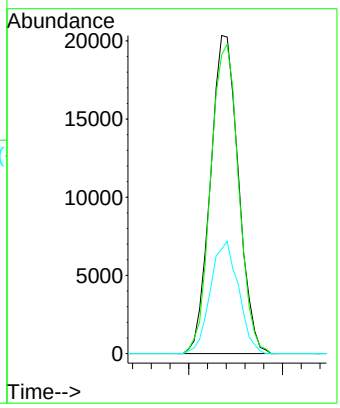
Reviewed By :Mahesh Dadoda 11/04/2024
Supervised By :Semsettin Yesilyurt 11/04/2024



#96
1,2,3-Trichlorobenzene
Concen: 16.090 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:180 Resp: 42176

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.2	144.6
145	35.4	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:	VN110124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084628.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:57:12 PM	SAM	11/4/2024 5:58:20 PM	Peak Integrated by Software
VN1101WBS01	VN084631.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:57:14 PM	SAM	11/4/2024 5:58:21 PM	Peak Integrated by Software
VN1101WBSD01	VN084632.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:57:16 PM	SAM	11/4/2024 5:58:23 PM	Peak Integrated by Software
P4665-07	VN084641.D	1,1,2-Trichlorotrifluoroethane	MMDadoda	11/4/2024 5:57:19 PM	SAM	11/4/2024 5:58:25 PM	Peak Integrated by Software
VSTDCCC050	VN084643.D	1,2,3-Trichloropropane	MMDadoda	11/4/2024 5:57:22 PM	SAM	11/4/2024 5:58:27 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 # VN110124

Review By	Mahesh Dadoda	Review On	11/4/2024 5:57:30 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/4/2024 5:58:33 PM				
SubDirectory	VN110124	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131230
Initial Calibration Stds	
CCC	VP131233,VP131234
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084627.D	01 Nov 2024 09:48	JC\MD	Ok
2	VSTDCCC050	VN084628.D	01 Nov 2024 10:22	JC\MD	Ok,M
3	VN1101MBL01	VN084629.D	01 Nov 2024 11:04	JC\MD	Not Ok
4	VN1101WBL01	VN084630.D	01 Nov 2024 11:29	JC\MD	Ok
5	VN1101WBS01	VN084631.D	01 Nov 2024 12:08	JC\MD	Ok,M
6	VN1101WBSD01	VN084632.D	01 Nov 2024 12:32	JC\MD	Ok,M
7	VIBLK	VN084633.D	01 Nov 2024 12:56	JC\MD	Ok
8	P4658-04	VN084634.D	01 Nov 2024 13:20	JC\MD	Ok
9	P4665-01	VN084635.D	01 Nov 2024 13:53	JC\MD	Ok
10	P4665-05	VN084636.D	01 Nov 2024 14:17	JC\MD	Ok
11	P4665-06	VN084637.D	01 Nov 2024 14:42	JC\MD	Ok
12	P4665-02	VN084638.D	01 Nov 2024 15:06	JC\MD	Ok
13	P4665-03	VN084639.D	01 Nov 2024 15:30	JC\MD	Ok
14	P4665-04	VN084640.D	01 Nov 2024 15:54	JC\MD	Ok
15	P4665-07	VN084641.D	01 Nov 2024 16:19	JC\MD	Ok,M
16	VIBLK	VN084642.D	01 Nov 2024 16:43	JC\MD	Ok
17	VSTDCCC050	VN084643.D	01 Nov 2024 17:07	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

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 # VN110124

Review By	Mahesh Dadoda	Review On	11/4/2024 5:57:30 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/4/2024 5:58:33 PM		
SubDirectory	VN110124	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131230
Initial Calibration Stds	
CCC	VP131233,VP131234
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084627.D	01 Nov 2024 09:48		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084628.D	01 Nov 2024 10:22		JC\MD	Ok,M
3	VN1101MBL01	VN1101MBL01	VN084629.D	01 Nov 2024 11:04	Contaminated	JC\MD	Not Ok
4	VN1101WBL01	VN1101WBL01	VN084630.D	01 Nov 2024 11:29		JC\MD	Ok
5	VN1101WBS01	VN1101WBS01	VN084631.D	01 Nov 2024 12:08		JC\MD	Ok,M
6	VN1101WBSD01	VN1101WBSD01	VN084632.D	01 Nov 2024 12:32		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084633.D	01 Nov 2024 12:56		JC\MD	Ok
8	P4658-04	TB	VN084634.D	01 Nov 2024 13:20	pH<2 A TB	JC\MD	Ok
9	P4665-01	BP-VPB-190-TB-20241	VN084635.D	01 Nov 2024 13:53	pH<2 A TB	JC\MD	Ok
10	P4665-05	BP-VPB-190-GW-558-5	VN084636.D	01 Nov 2024 14:17	pH<2 A	JC\MD	Ok
11	P4665-06	BP-VPB-190-GW-583-5	VN084637.D	01 Nov 2024 14:42	pH<2 A	JC\MD	Ok
12	P4665-02	VPB190-HYD-2024103	VN084638.D	01 Nov 2024 15:06	pH<2 A	JC\MD	Ok
13	P4665-03	BP-VPB-190-EB-20241	VN084639.D	01 Nov 2024 15:30	pH<2 A EB	JC\MD	Ok
14	P4665-04	BP-VPB-190-GW-538-5	VN084640.D	01 Nov 2024 15:54	pH<2 A	JC\MD	Ok
15	P4665-07	BP-VPB-190-GW-598-6	VN084641.D	01 Nov 2024 16:19	pH<2 A	JC\MD	Ok,M
16	VIBLK	VIBLK	VN084642.D	01 Nov 2024 16:43		JC\MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VN084643.D	01 Nov 2024 17:07		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 : P4665

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VN110124,

Standard ID :
VP128290,VP128298,VP128762,VP128766,VP130430,VP130836,VP131134,VP131230,VP131233,VP131234,

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,V14546,V14547,V14548,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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP130836	10/14/2024	11/07/2024	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/16/2024

FROM 1.00000ml of V14548 + 1.50000ml of V14546 + 1.50000ml of V14547 + 21.00000ml of V14145 = Final Quantity: 25.000 ml

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

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP131230	11/01/2024	11/02/2024	Amit Patel	None	None	Mahesh Dadoda 11/07/2024

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	VP131233	11/01/2024	11/02/2024	Amit Patel	None	None	Mahesh Dadoda 11/07/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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	VP131234	11/01/2024	11/02/2024	Amit Patel	None	None	Mahesh Dadoda 11/07/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP130836 + 0.01250ml of VP131134 = 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)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14546

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14547

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	100724	11/07/2024	10/14/2024 / SAM	10/09/2024 / SAM	V14548

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

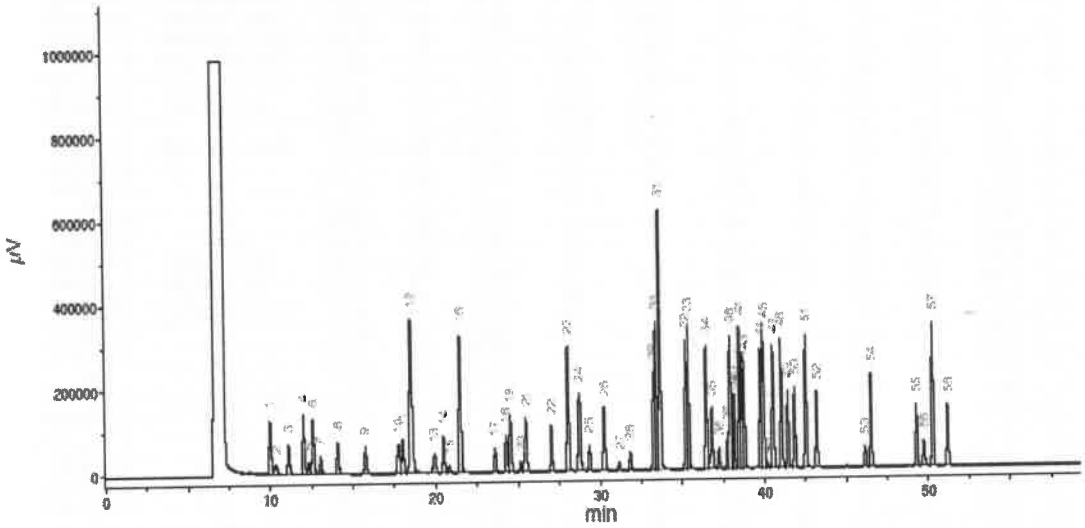
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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)	MKBP8041V	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	40003.6	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-Dibromoethene	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	46.48
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

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

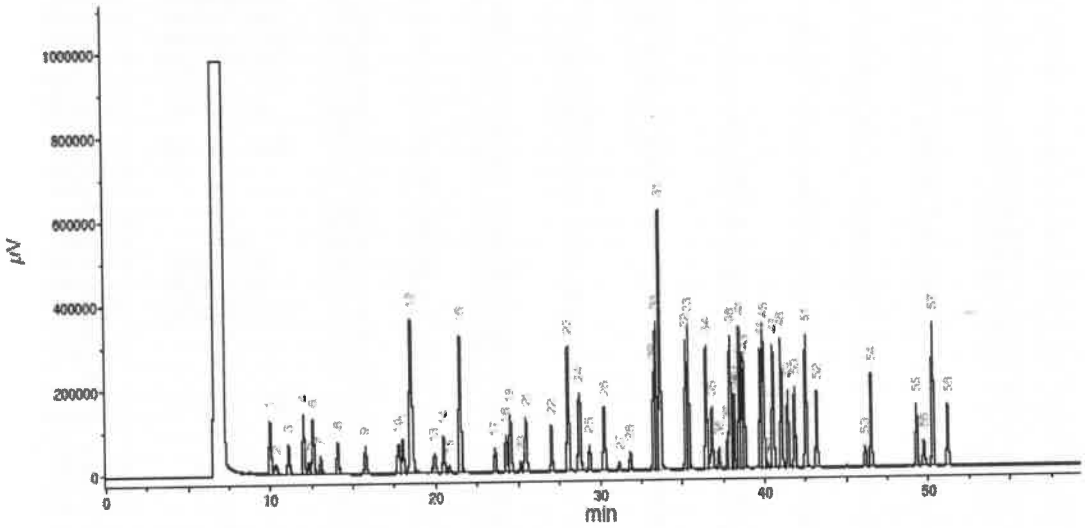
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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	(0361)	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	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	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	40003.6	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-Dibromoethene	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

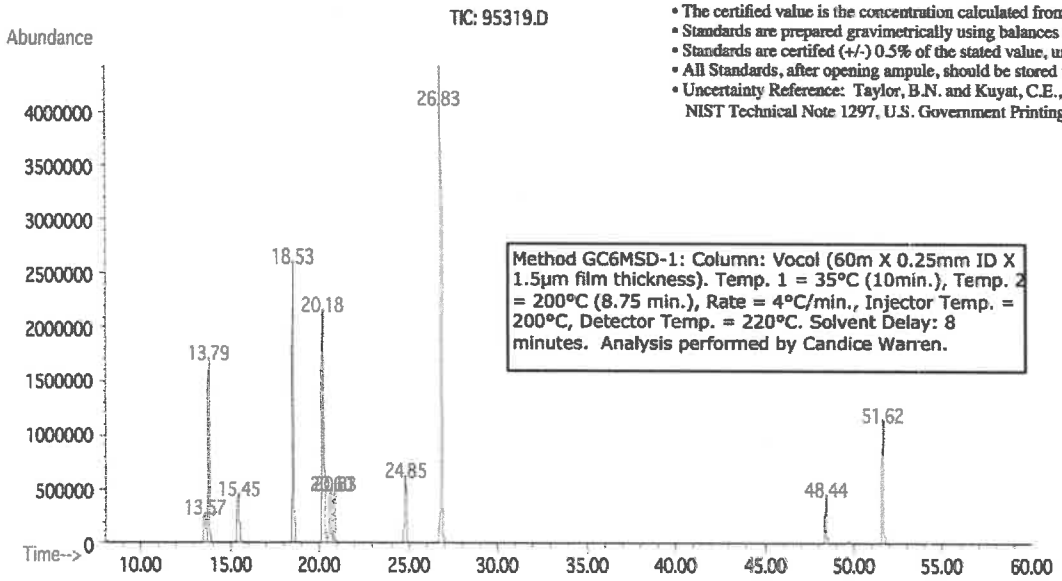
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** 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

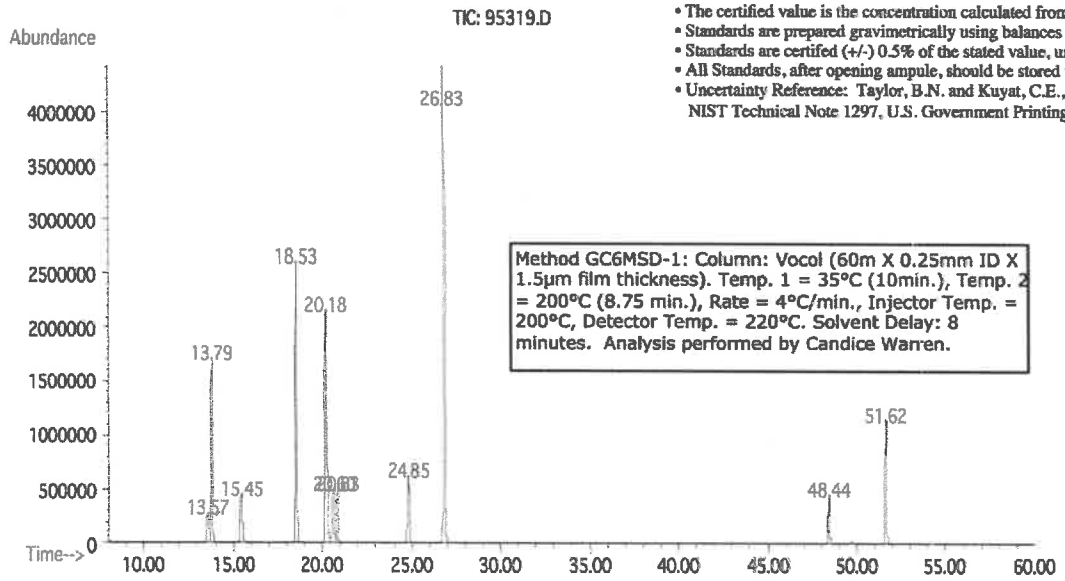
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): Methanol **Lot#** 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

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

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: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

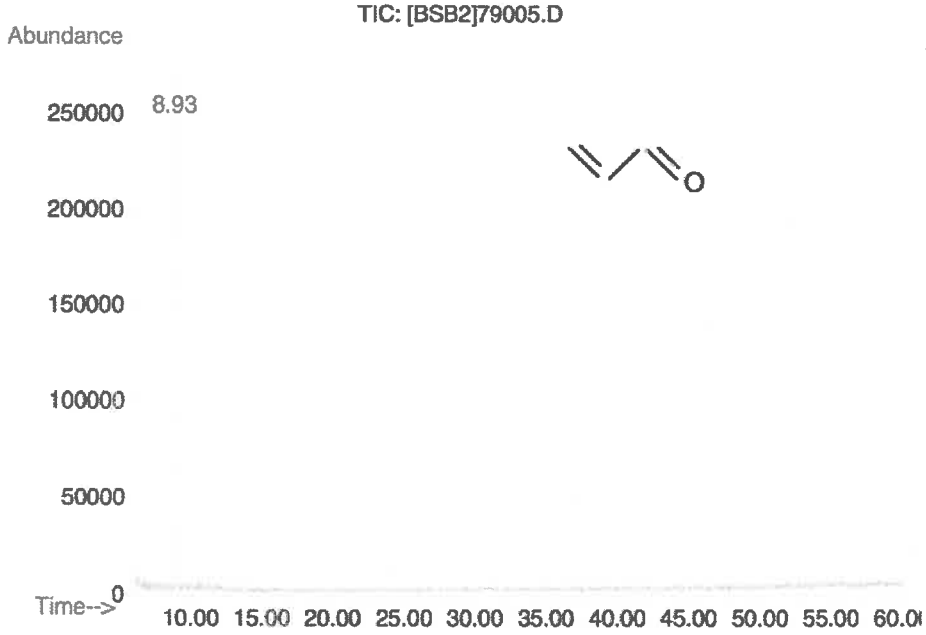
Solvent(s): **Lot#**
Water 072324Q

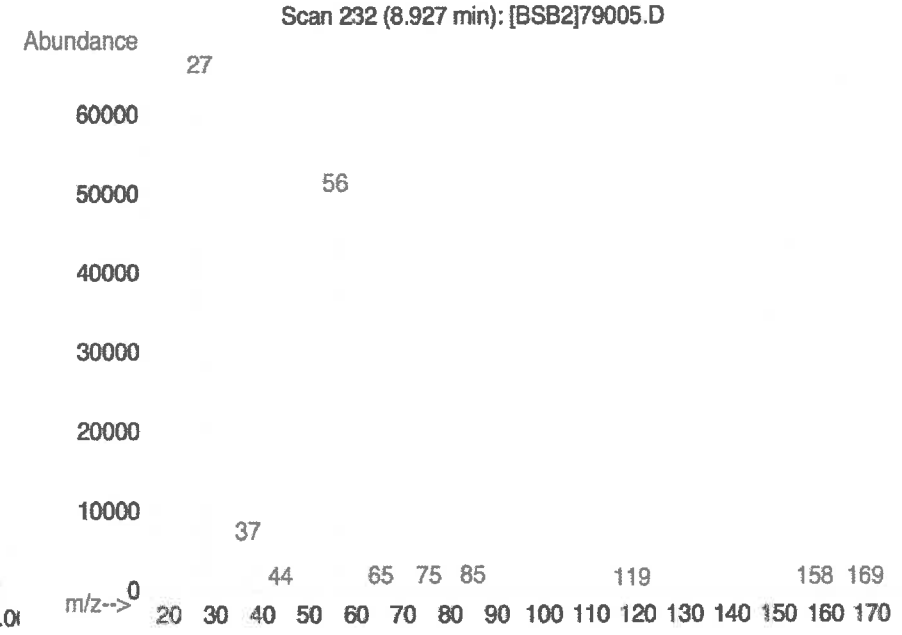
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 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	0.10329	5010.4	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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

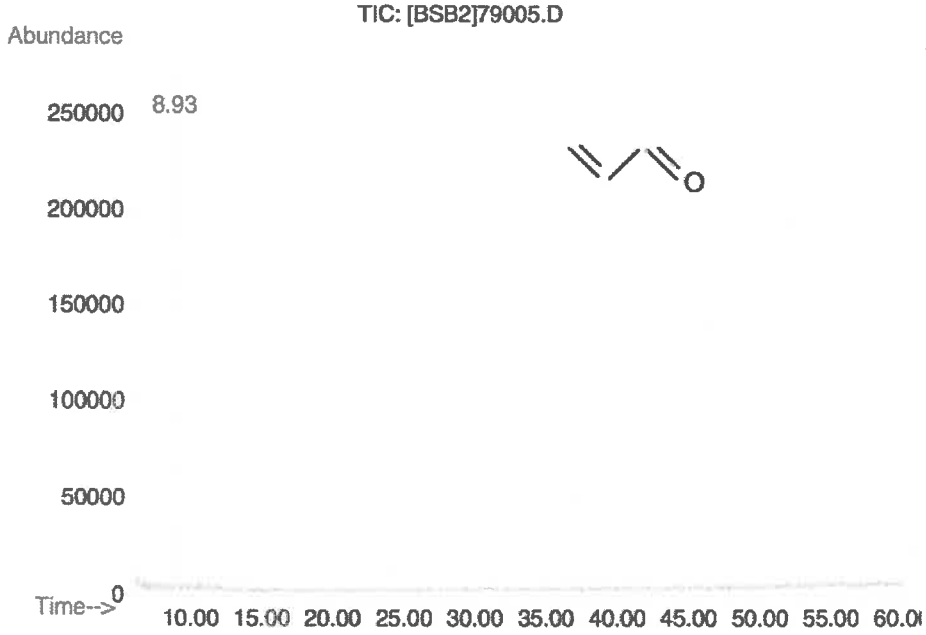
Solvent(s): **Lot#**
Water 072324Q

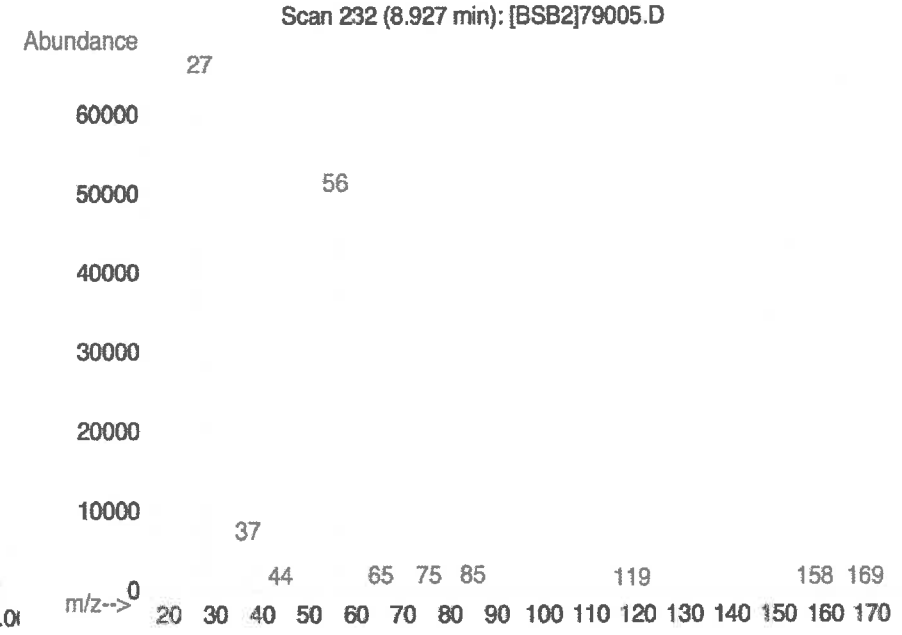
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 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	0.10329	5010.4	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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 100724
Description: Acrolein

Expiration Date: 110724
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

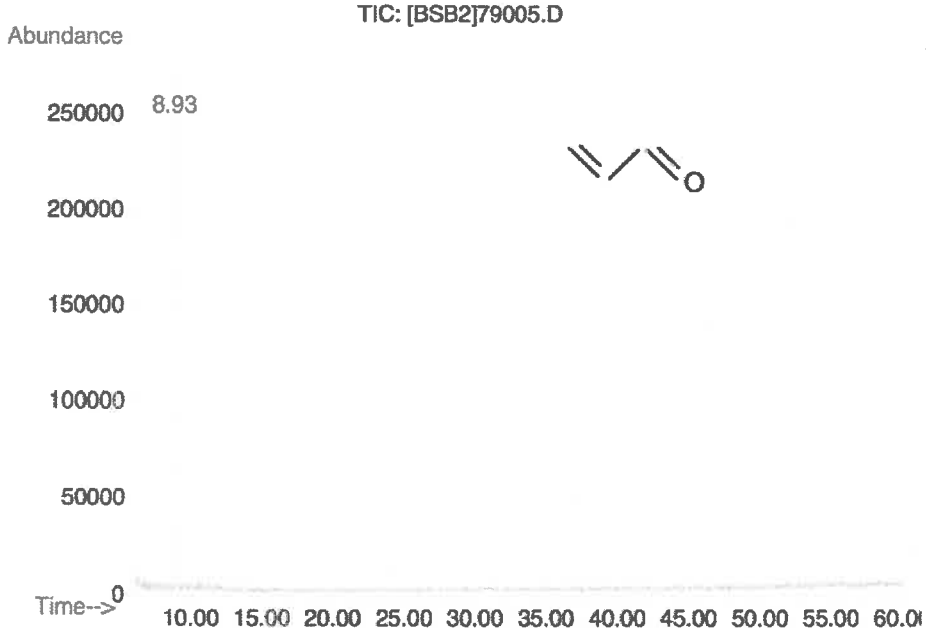
Solvent(s): **Lot#**
Water 072324Q

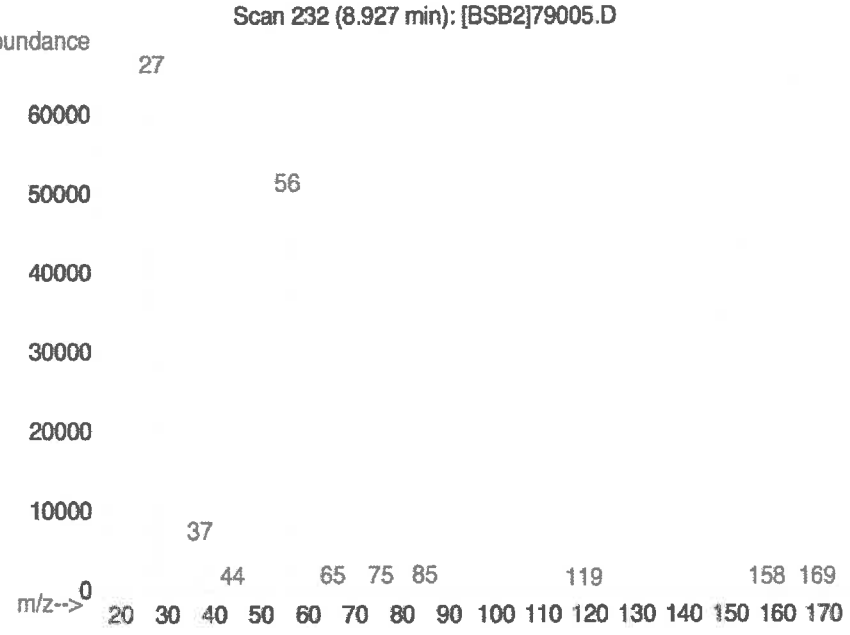
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Formulated By:	Lawrence Barry	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 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	0.10329	5010.4	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 certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 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

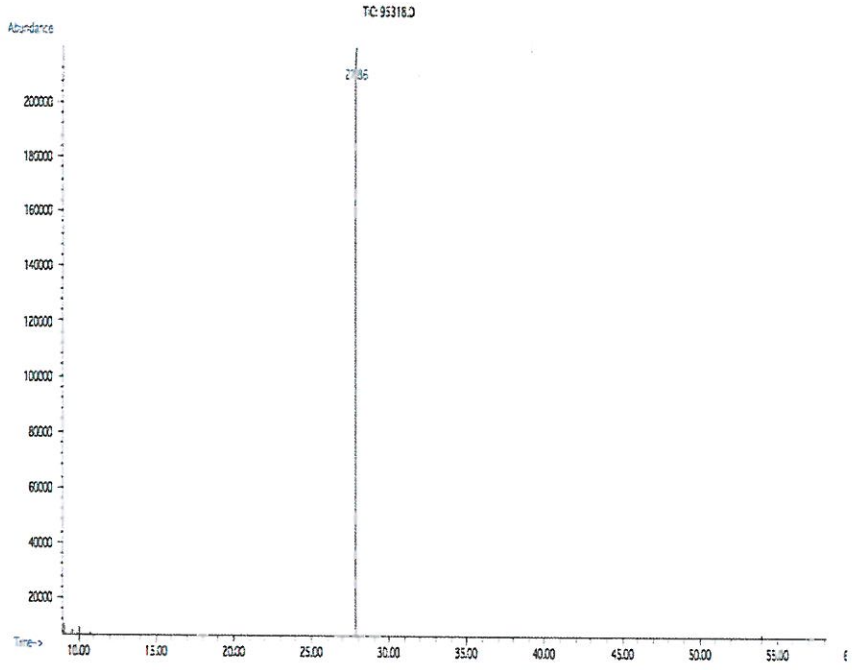
Solvent(s):	Lot#
Methanol	EA899-US

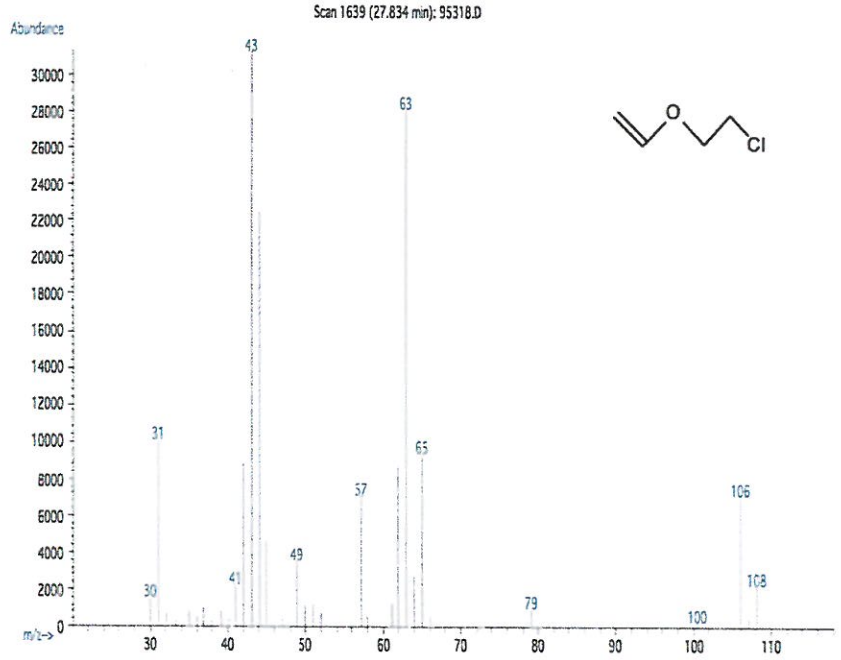
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

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

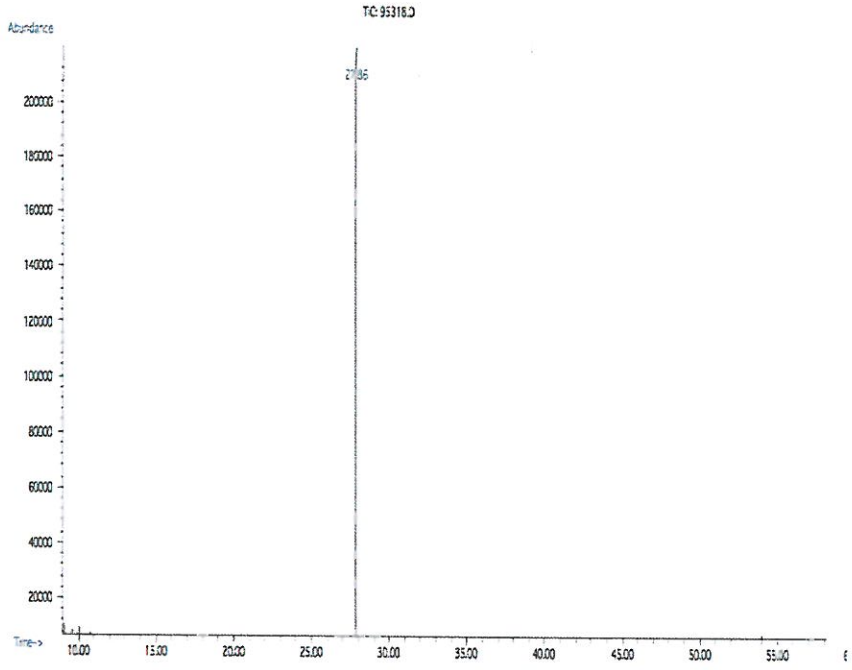
Solvent(s):	Lot#
Methanol	EA899-US

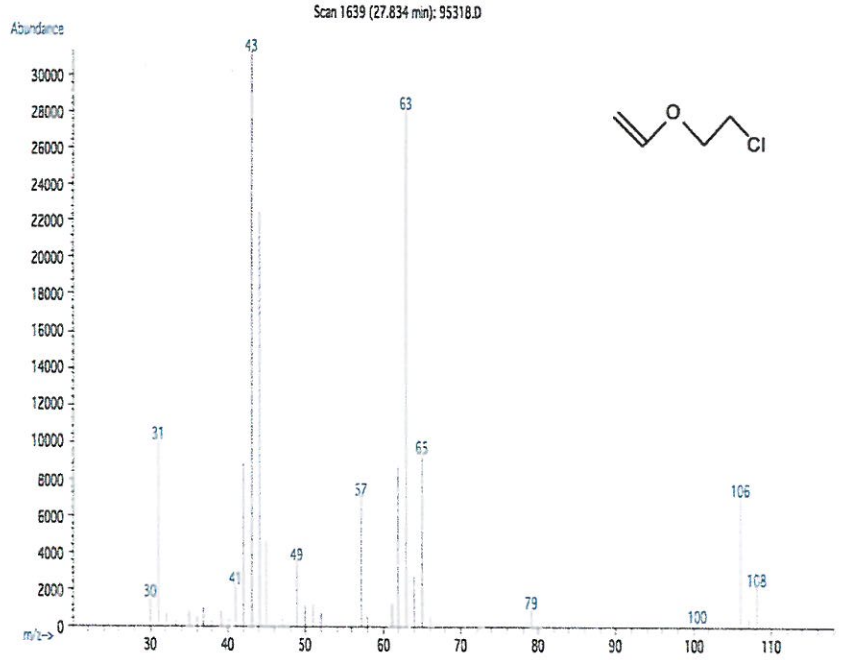
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.0003 Flask Uncertainty

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)

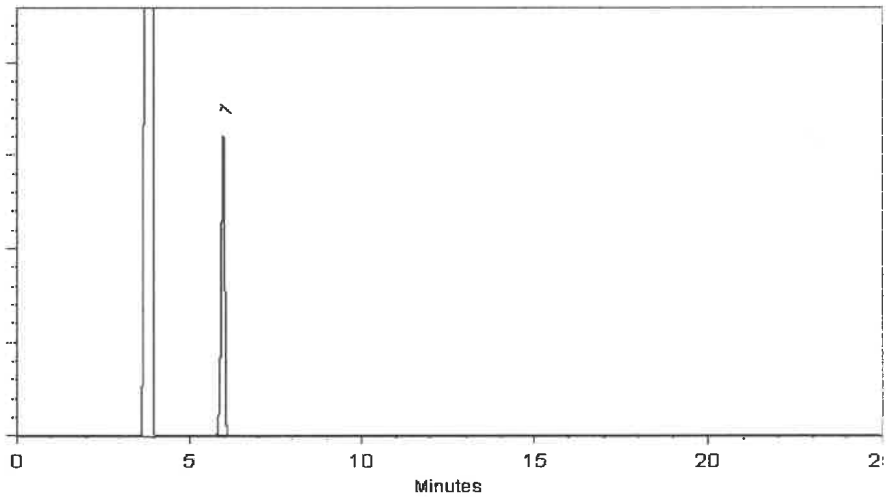
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

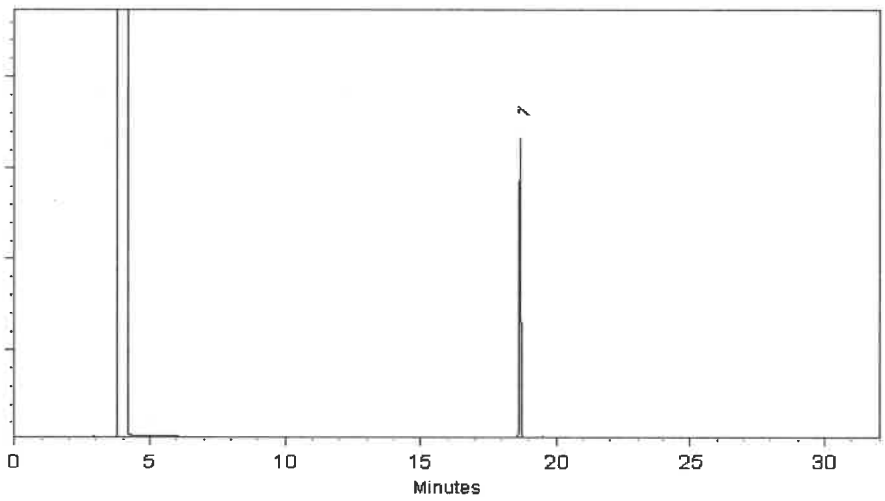
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

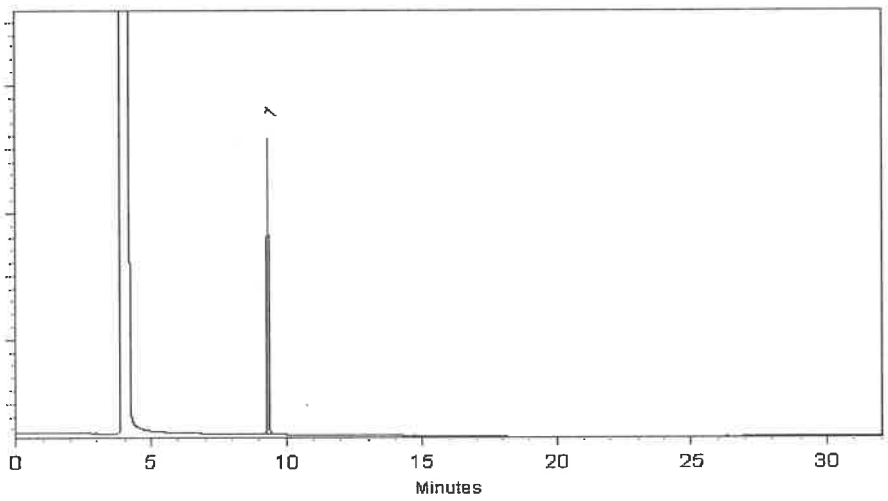
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

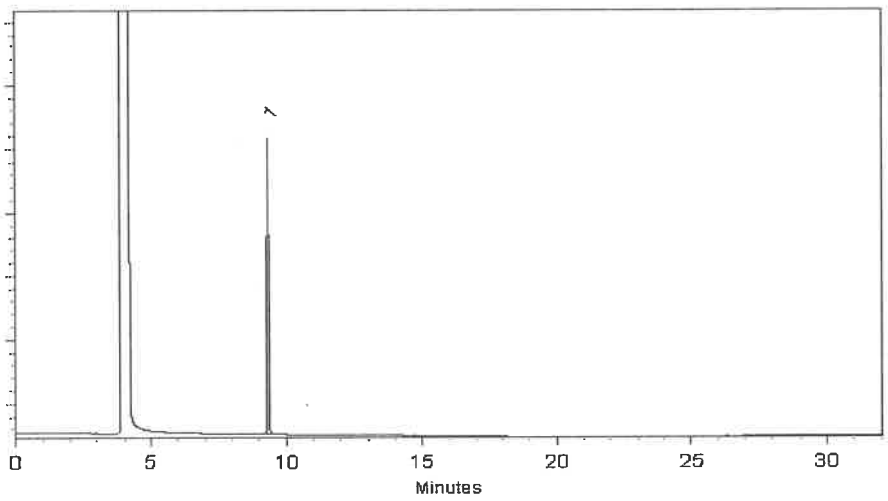
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

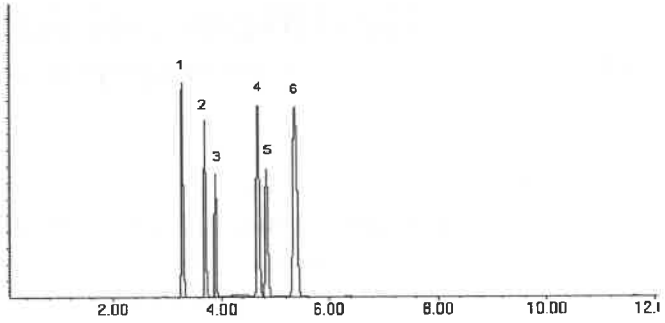
Inj. Temp:
200°C

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.

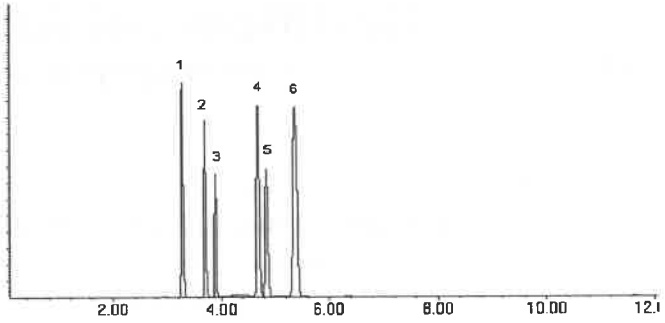
Inj. Temp:
200°C

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.)

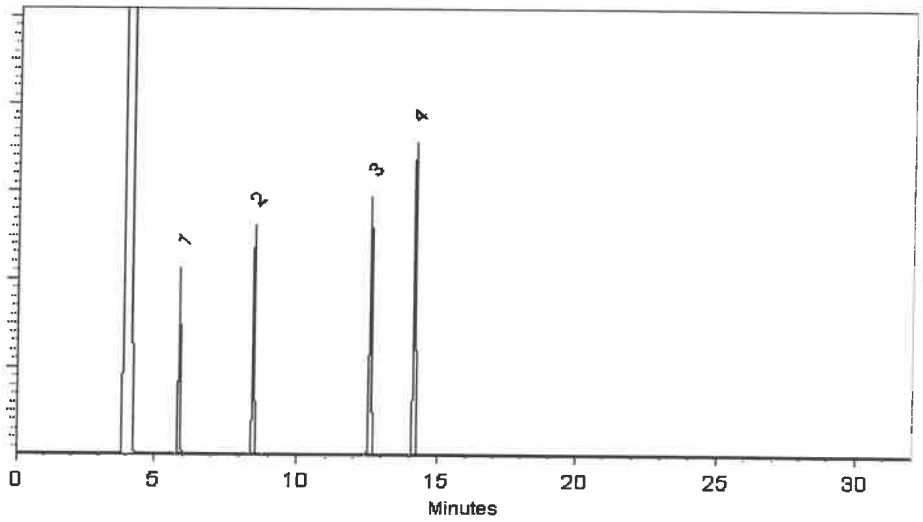
Inj. Temp:
200°C

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.)

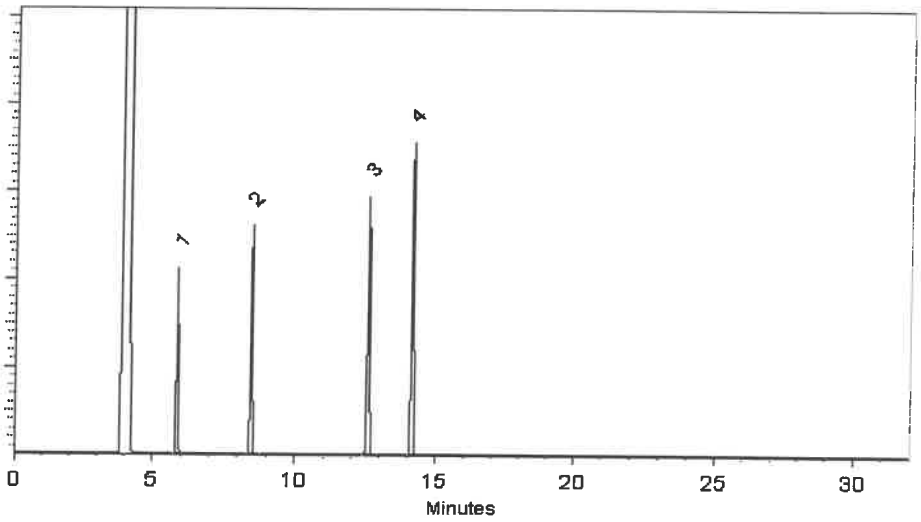
Inj. Temp:
200°C

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.)

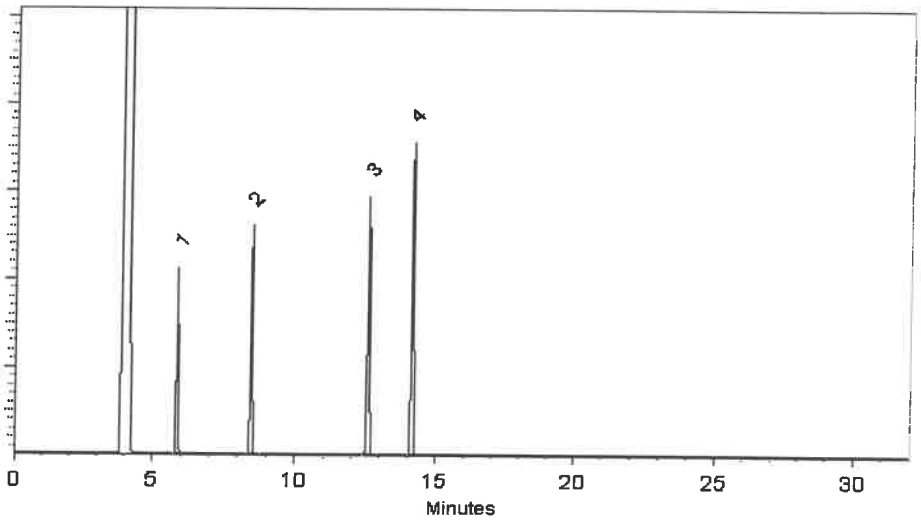
Inj. Temp:
200°C

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.)

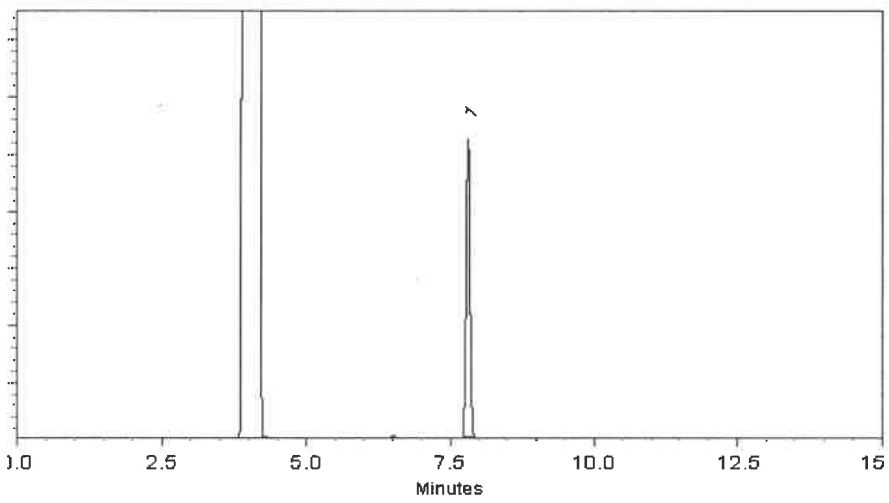
Inj. Temp:
200°C

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.

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

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic

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.)

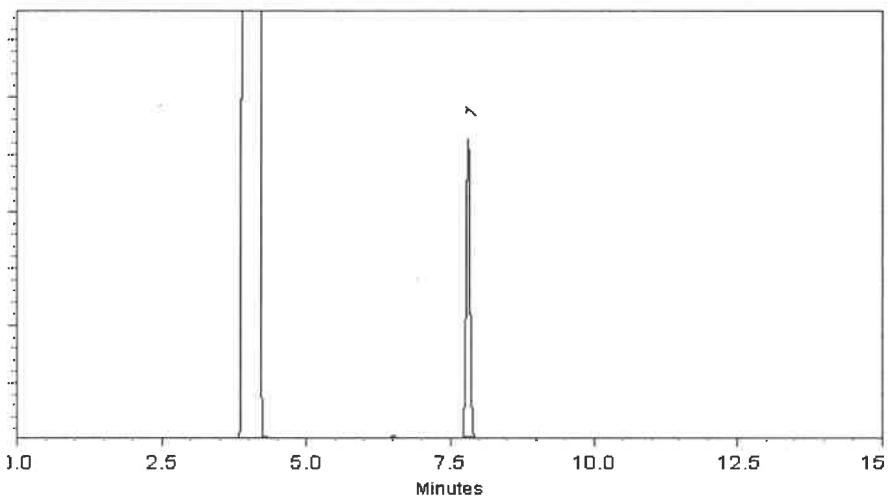
Inj. Temp:
200°C

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.)

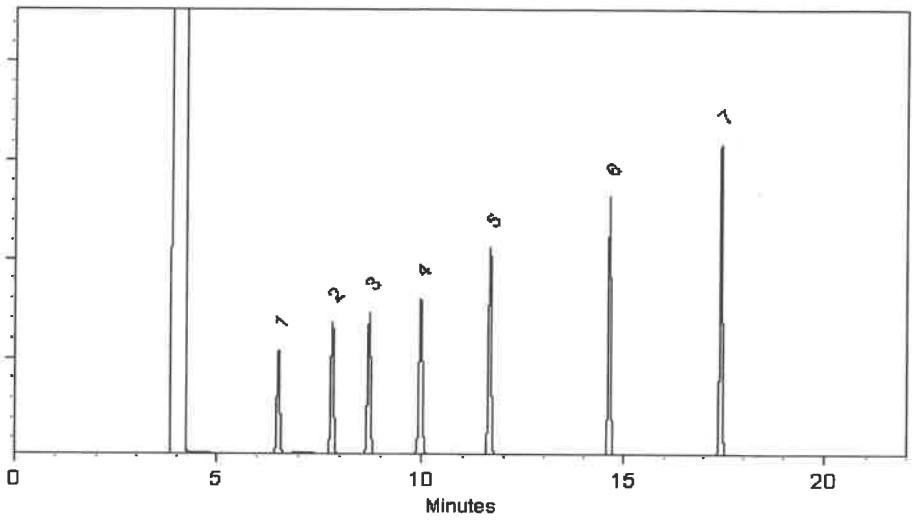
Inj. Temp:
200°C

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.)

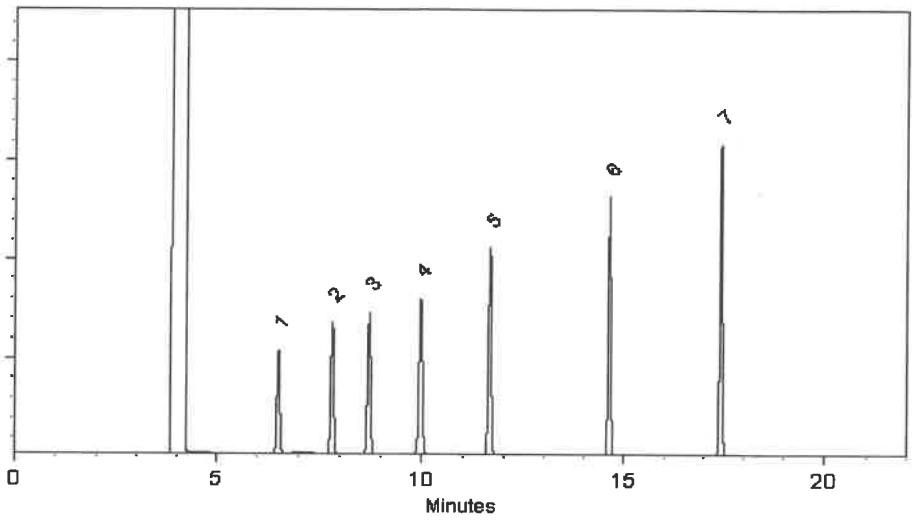
Inj. Temp:
200°C

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

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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: P4665/666

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-189	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)							

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-20241029	QA		X	10/29/24	8:00	2	2										Trip Blank
2.	VPB190-HYD-20241030	QA		X	10/30/24	9:15	5	2	1	2								Hydrant Sample
3.	BP-VPB-190-EB-20241030	QA		X	10/30/24	10:25	2	2										Equipment Blank
4.	BP-VPB-190-GW-538-540	AQ		X	10/29/24	10:40	2	2										
5.	BP-VPB-190-GW-558-560	AQ		X	10/29/24	13:30	5	4	1									Collected extra vials due to high particulate matter
6.	BP-VPB-190-GW-583-585	AQ		X	10/30/24	12:05	4	4										Collected extra vials due to high particulate matter
7.	BP-VPB-190-GW-598-600	AQ		X	10/30/24	14:15	3	2	1									
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.	10/31/24 15:30	1. 1650 10-31-24
RELINQUISHED BY 2	DATE/TIME	RECEIVED BY 2
RELINQUISHED BY 3	DATE/TIME 1850 10-31-24	RECEIVED FOR LAB BY 3

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.9°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

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4665 TETR06 **Order Date :** 10/31/2024 3:52:00 PM **Project Mgr :**
Client Name : Tetra Tech NUS, Inc. **Project Name :** CTO WE13 **Report Type :** Level 4
Client Contact : Ernie Wu **Receive DateTime :** 10/31/2024 ~~12:00:00~~ 18:50 AM **EDD Type :** ADAPT
Invoice Name : Tetra Tech NUS, Inc. **Purchase Order :** **Hard Copy Date :**
Invoice Contact : Ernie Wu **Date Signoff :**

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
P4665-01	BP-VPB-190-TB-20241029	Water	10/29/2024	08:00						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-02	VPB190-HYD-20241030	Water	10/30/2024	09:15						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-03	BP-VPB-190-EB-20241030	Water	10/30/2024	10:25						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-04	BP-VPB-190-GW-538-540	Water	~~10/30/2024~~ 10/29/2024	10:40						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-05	BP-VPB-190-GW-558-560	Water	~~10/30/2024~~ 10/29/2024	13:30						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-06	BP-VPB-190-GW-583-585	Water	10/30/2024	12:05						
					VOCMS Group1		8260-Low	2 Bus. Days		
P4665-07	BP-VPB-190-GW-598-600	Water	10/30/2024	14:15						
					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 :	P4665 TETR06	**Order Date :**	10/31/2024 3:52:00 PM	**Project Mgr :**	
Client Name :	Tetra Tech NUS, Inc.	**Project Name :**	CTO WE13	**Report Type :**	Level 4
Client Contact :	Ernie Wu	**Receive DateTime :**	10/31/2024 ~~12:00:00~~ 18:50 AM	**EDD Type :**	ADAPT
Invoice Name :	Tetra Tech NUS, Inc.	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Ernie Wu			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 11-1-24 0915

Received By : Jay
Date / Time : 11/1/24 0915 Ng#4

Storage Area : VOA Refridgerator Room

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

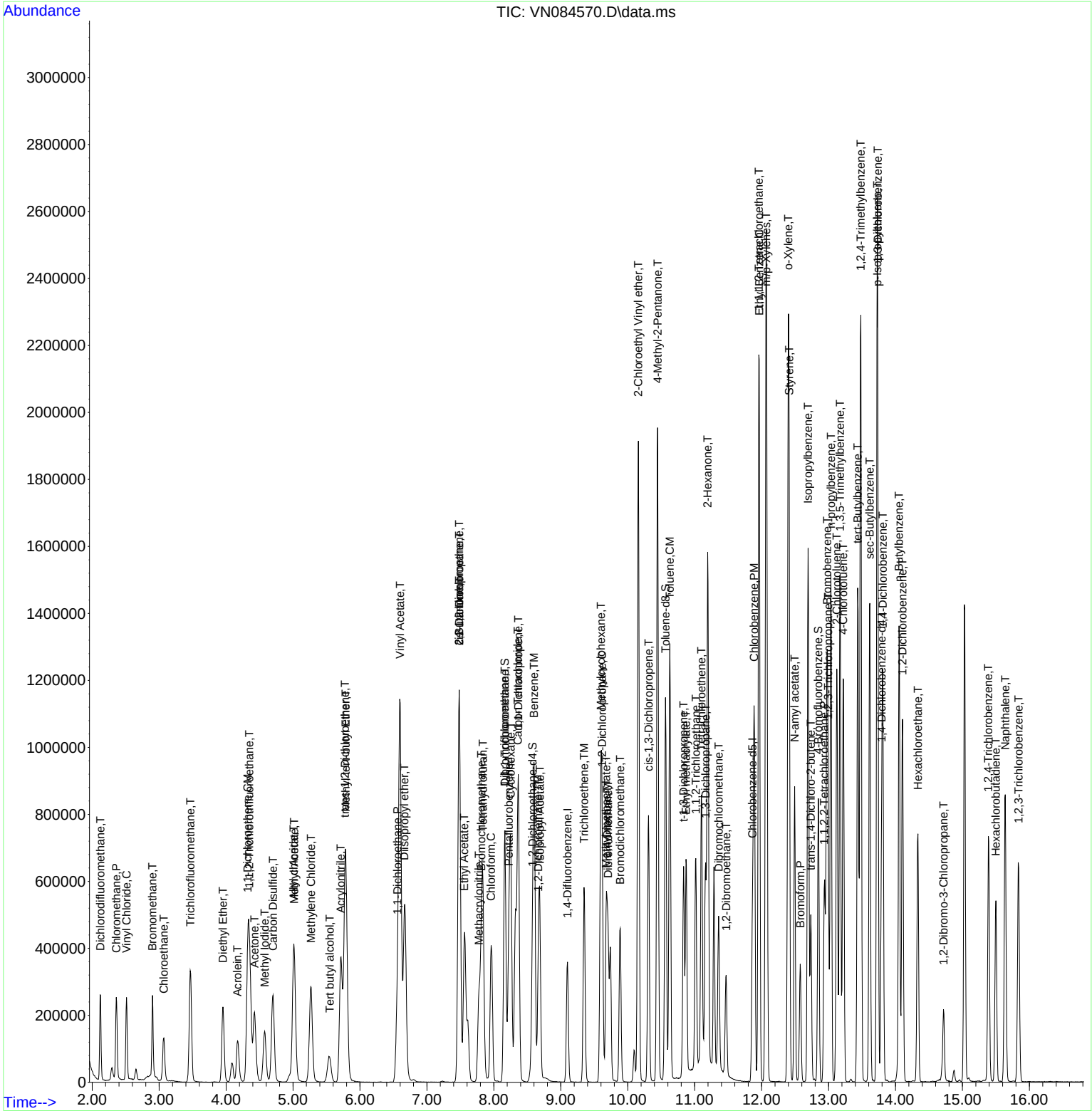
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

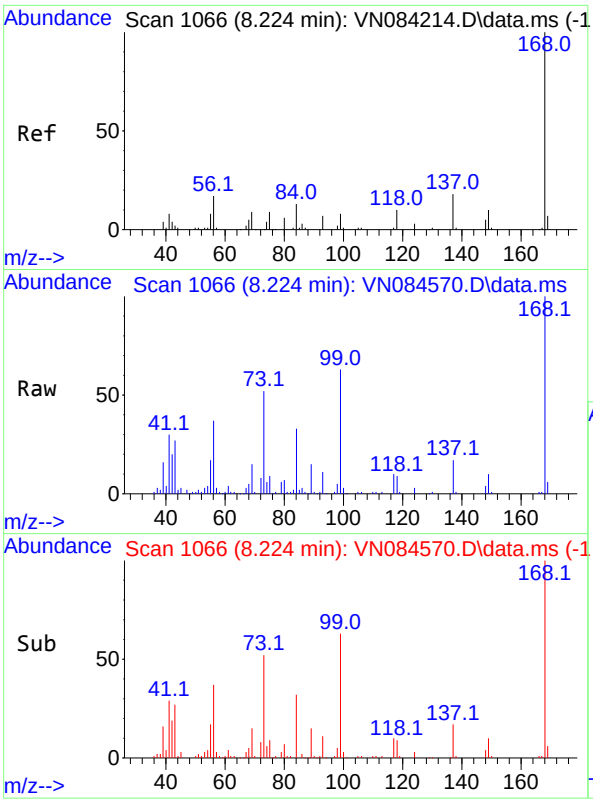
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



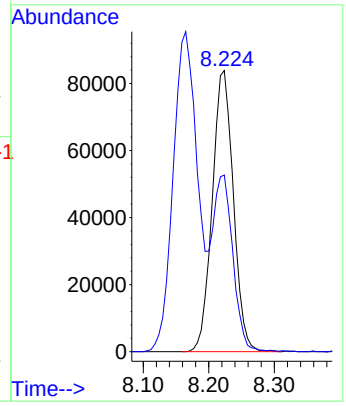


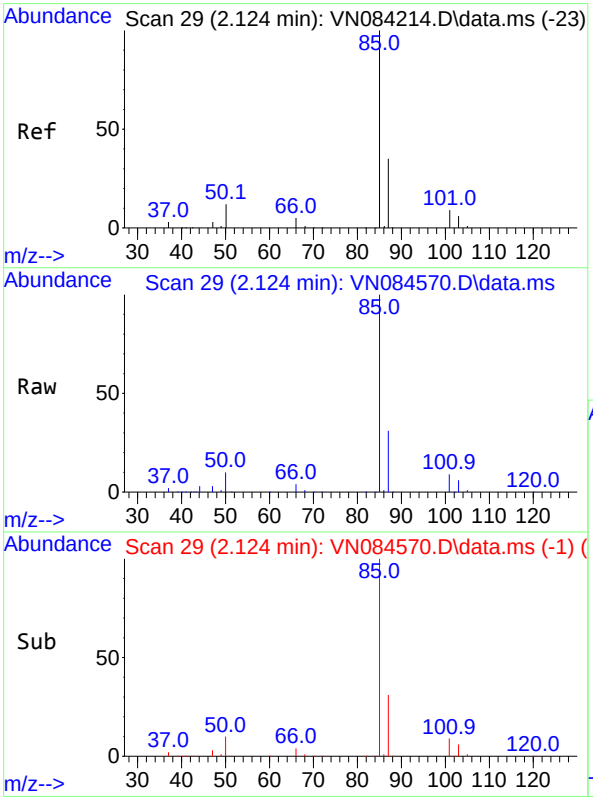
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 187429

Ion	Ratio	Lower	Upper
168	100		
99	62.5	54.2	81.2

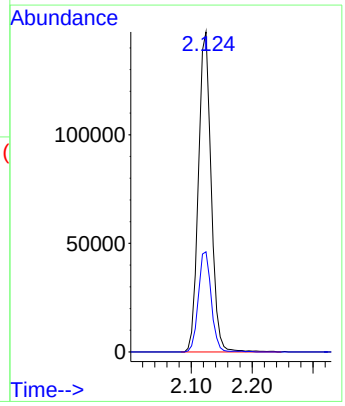


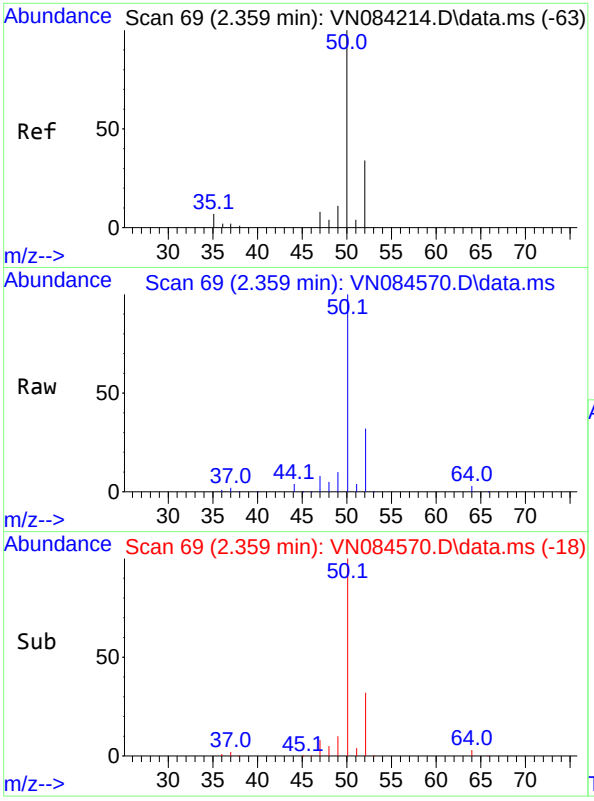


#2
Dichlorodifluoromethane
Concen: 99.364 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 85 Resp: 214094

Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.6	52.9



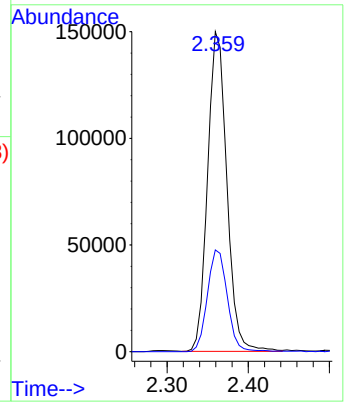


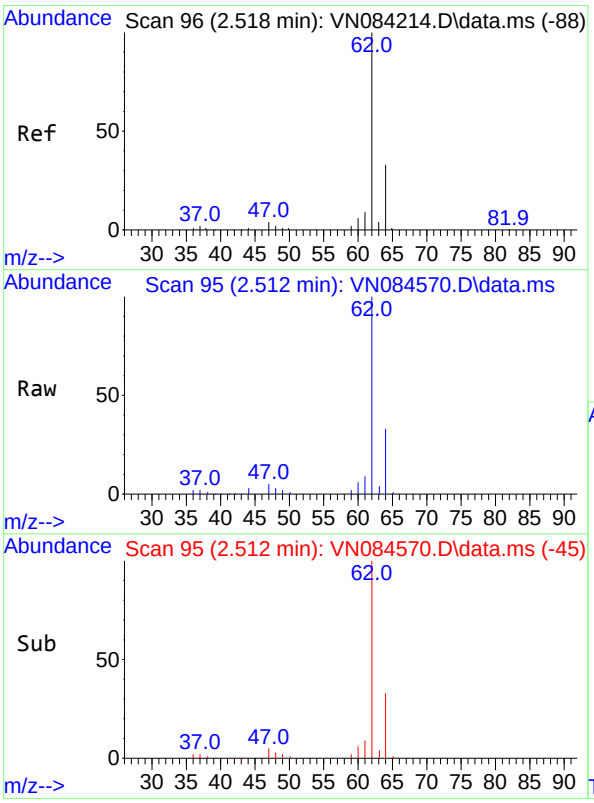
#3
Chloromethane
Concen: 100.015 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 246492

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.8	40.2

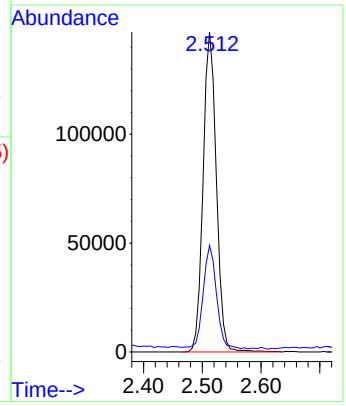


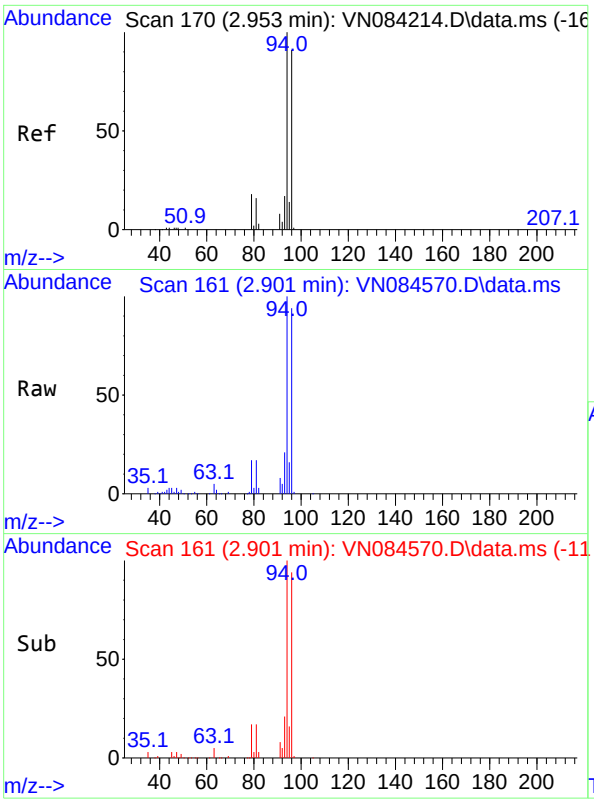


#4
Vinyl Chloride
Concen: 99.144 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 229760

Ion	Ratio	Lower	Upper
62	100		
64	32.1	26.2	39.4



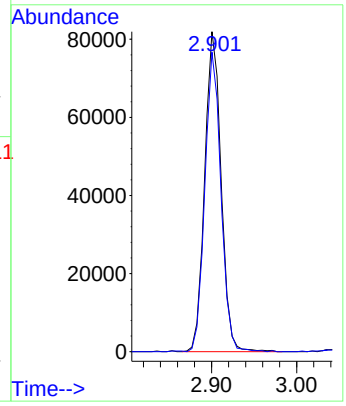


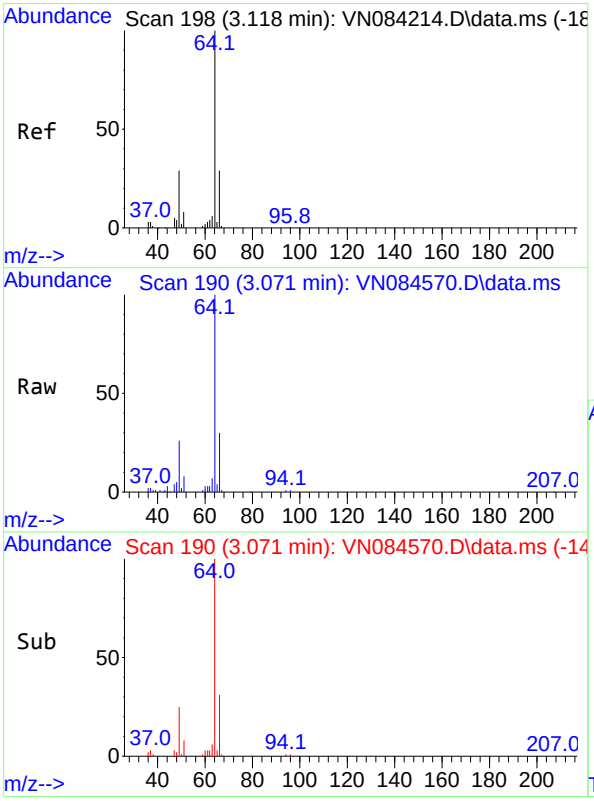
#5
Bromomethane
Concen: 89.128 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 109436

Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.9	109.3

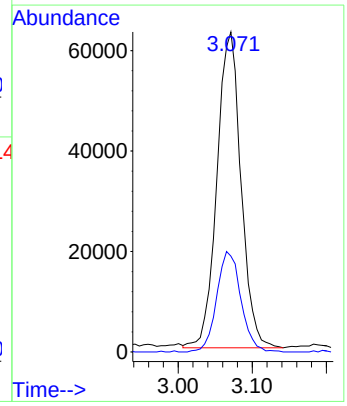


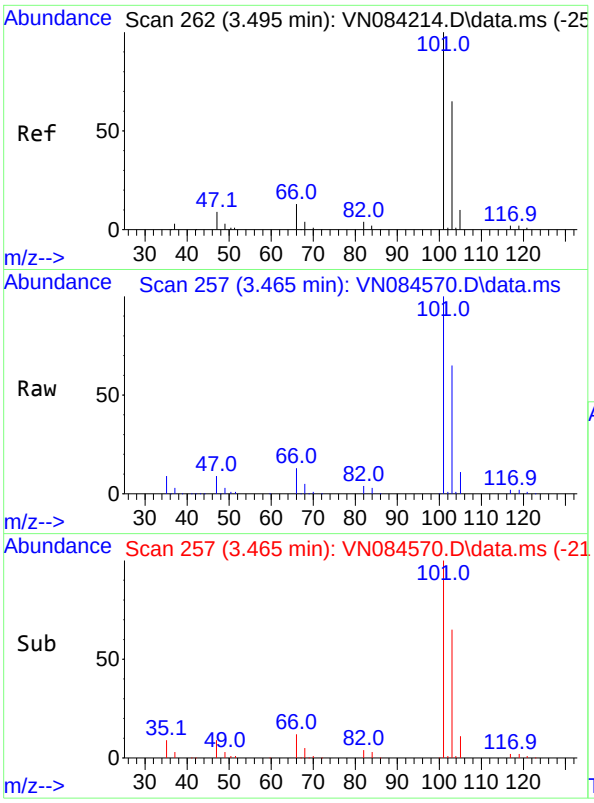


#6
Chloroethane
Concen: 100.310 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 64 Resp: 141883

Ion	Ratio	Lower	Upper
64	100		
66	30.4	23.5	35.3



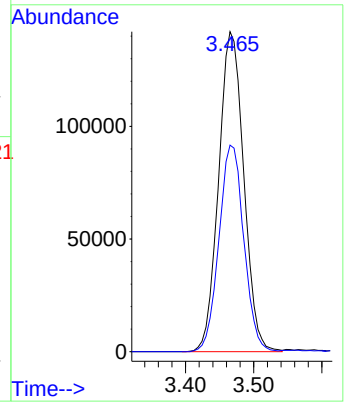


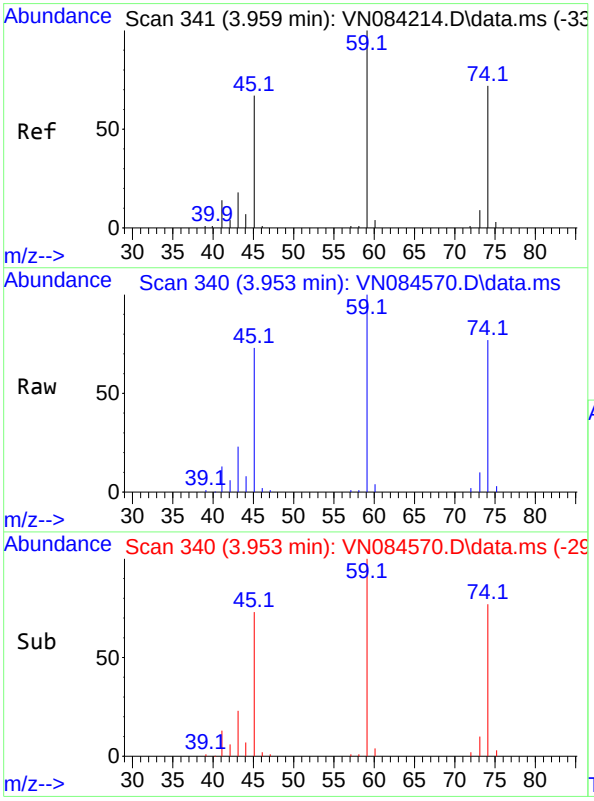
#7
Trichlorofluoromethane
Concen: 95.335 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 363937

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

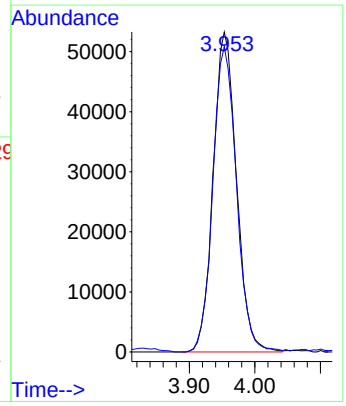


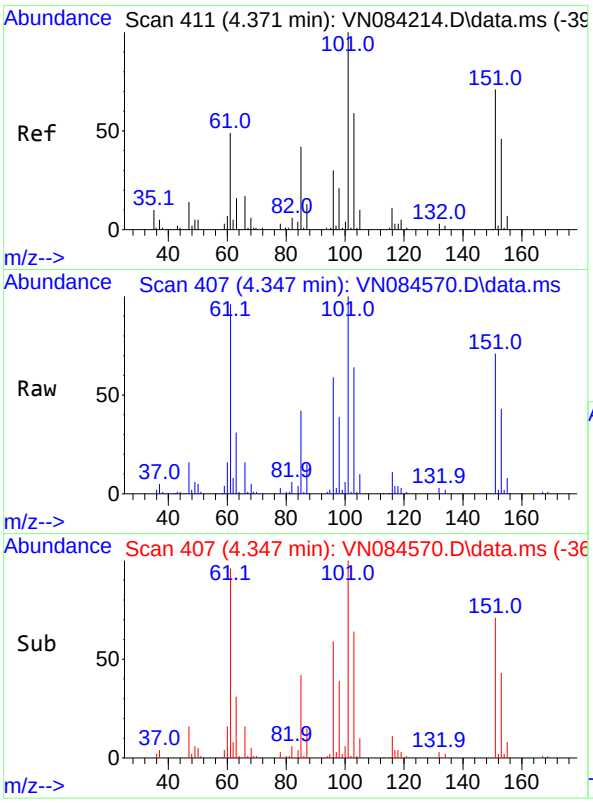


#8
Diethyl Ether
Concen: 97.575 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 74 Resp: 131399

Ion	Ratio	Lower	Upper
74	100		
45	96.8	47.7	143.1



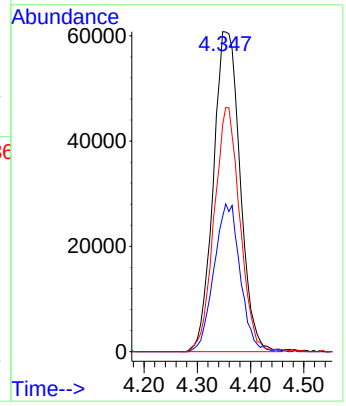


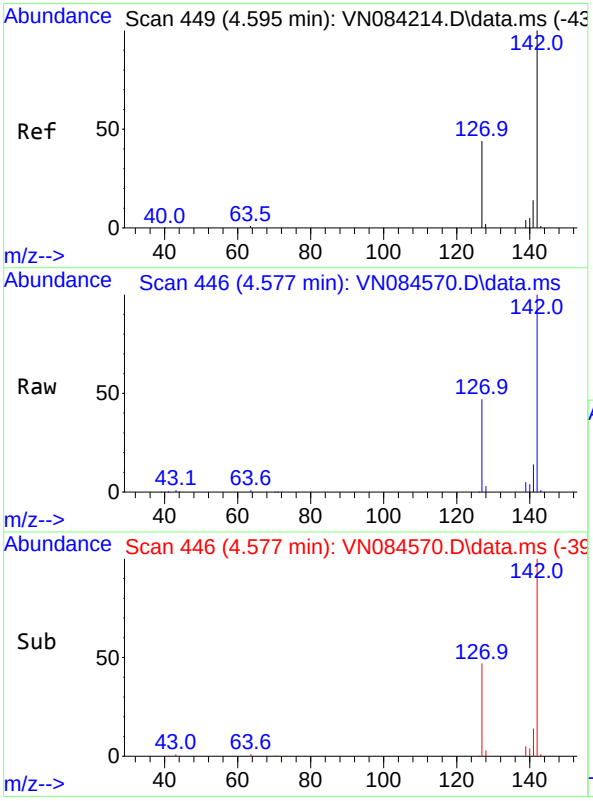
#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.394 ug/l
RT: 4.347 min Scan# 4
Delta R.T. -0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

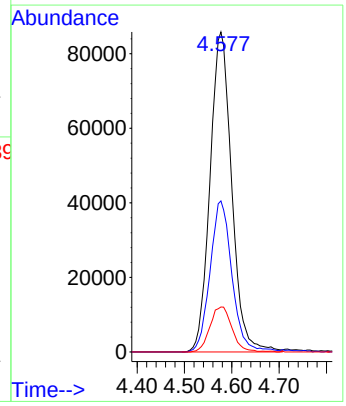


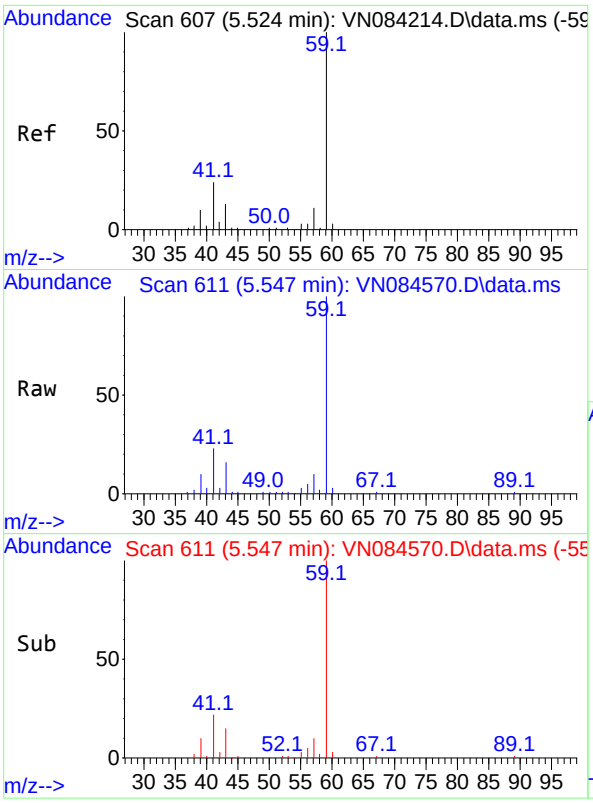


#10
Methyl Iodide
Concen: 94.692 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



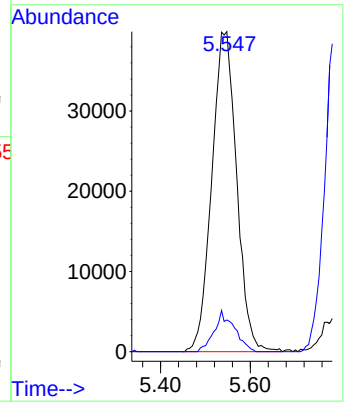


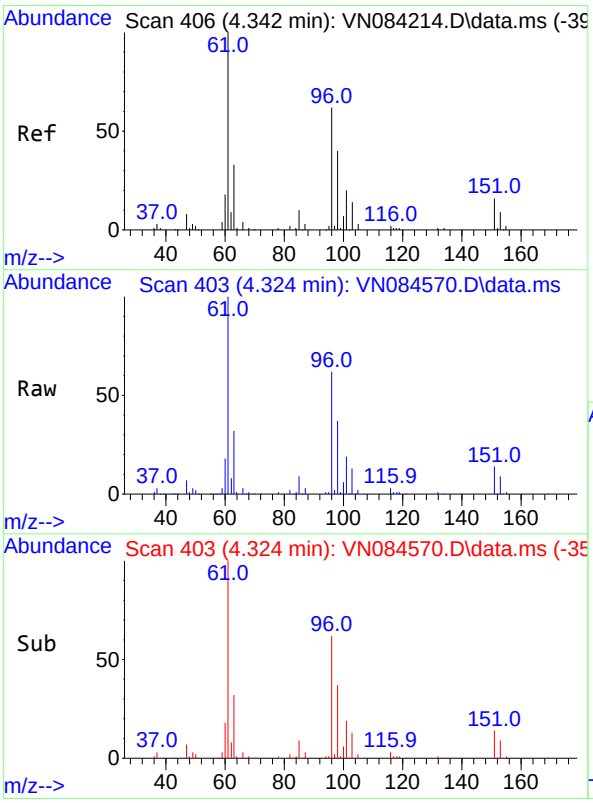
#11
Tert butyl alcohol
Concen: 429.840 ug/l
RT: 5.547 min Scan# 61
Delta R.T. 0.024 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 153595

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

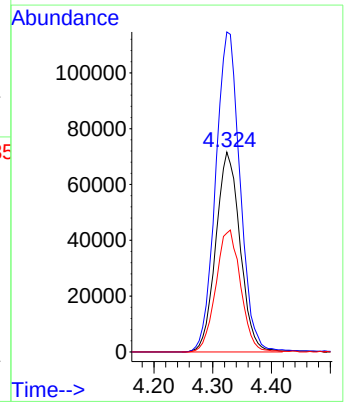


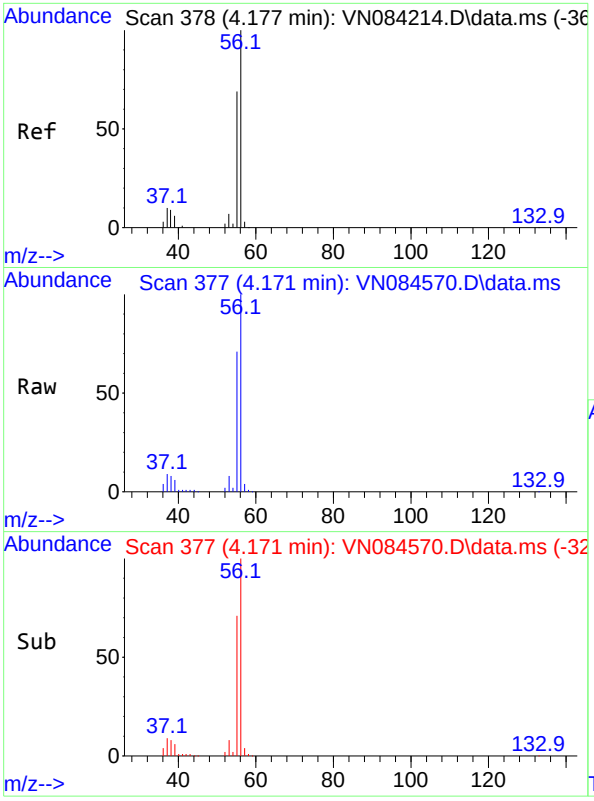


#12
1,1-Dichloroethene
Concen: 96.200 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



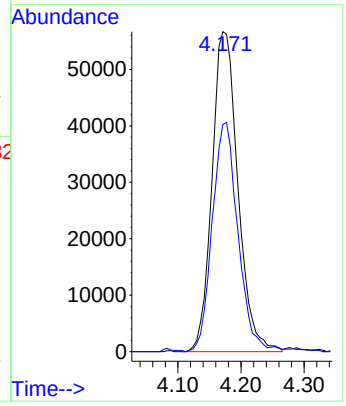


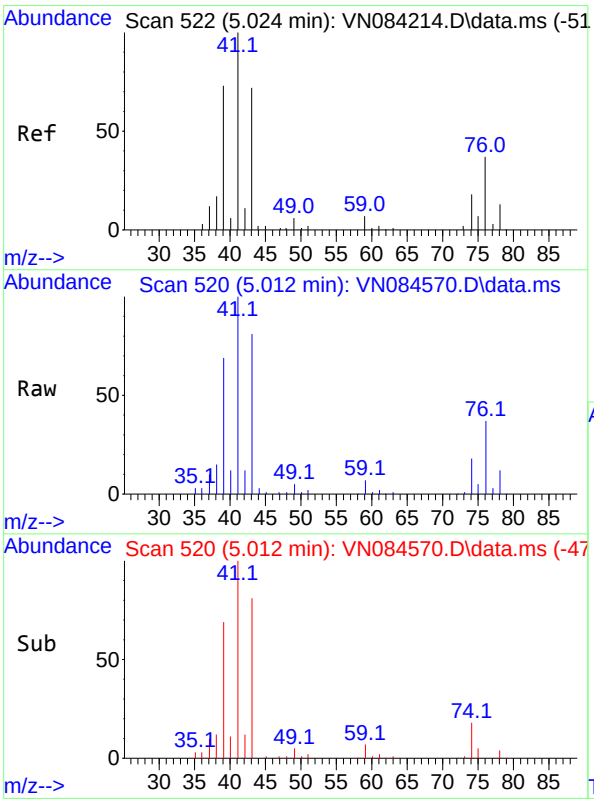
#13
Acrolein
Concen: 453.545 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 161607

Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.2	85.8

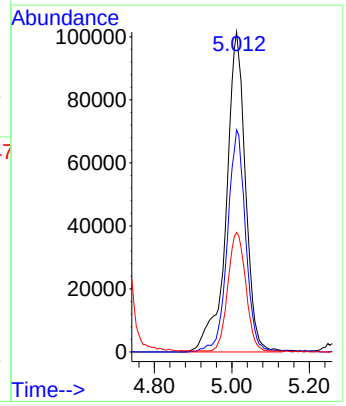


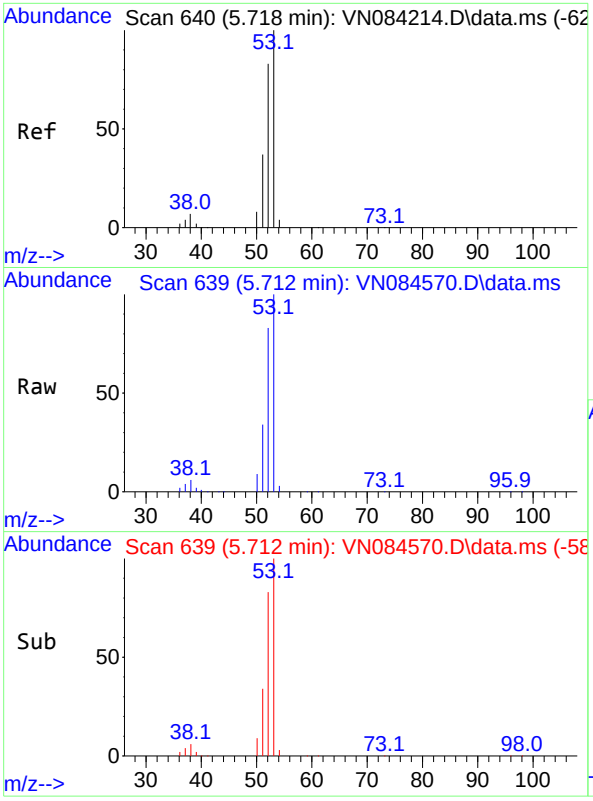


#14
Allyl chloride
Concen: 101.116 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



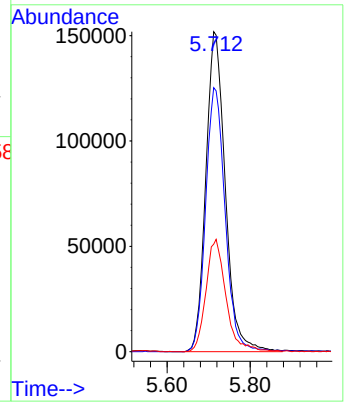


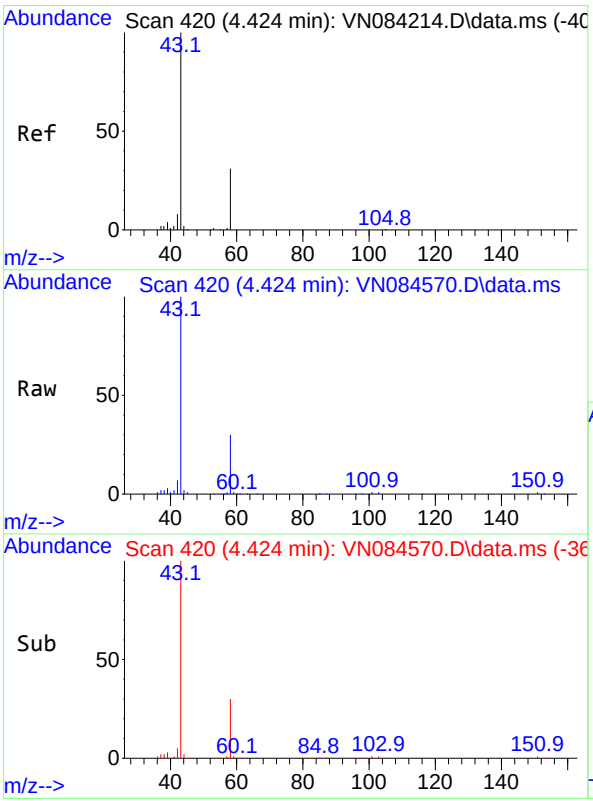
#15
Acrylonitrile
Concen: 477.613 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

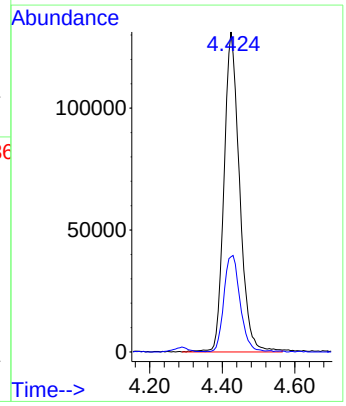


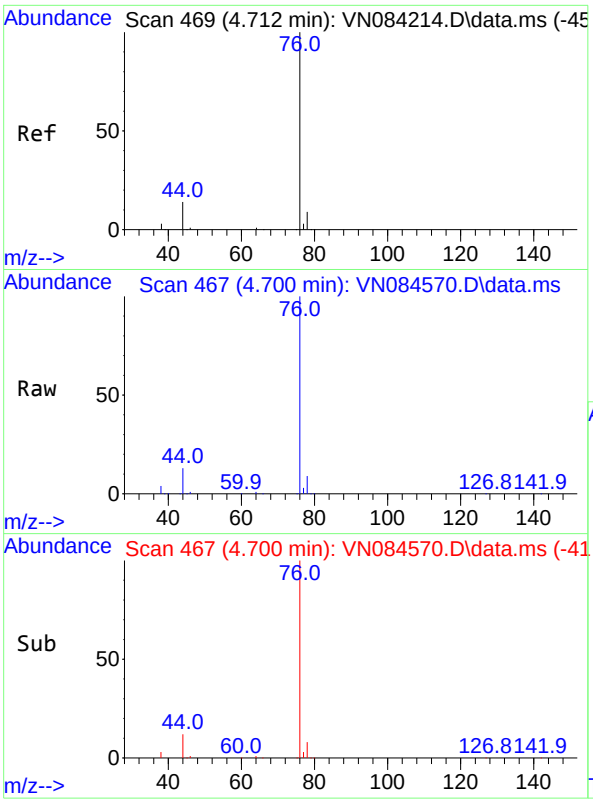


#16
Acetone
Concen: 502.753 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 390888

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.4	36.6



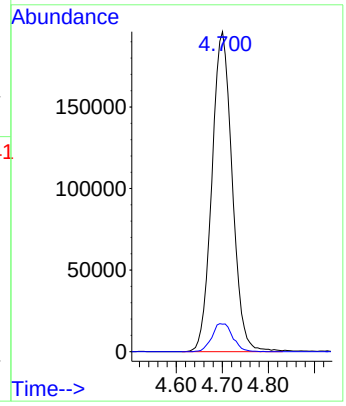


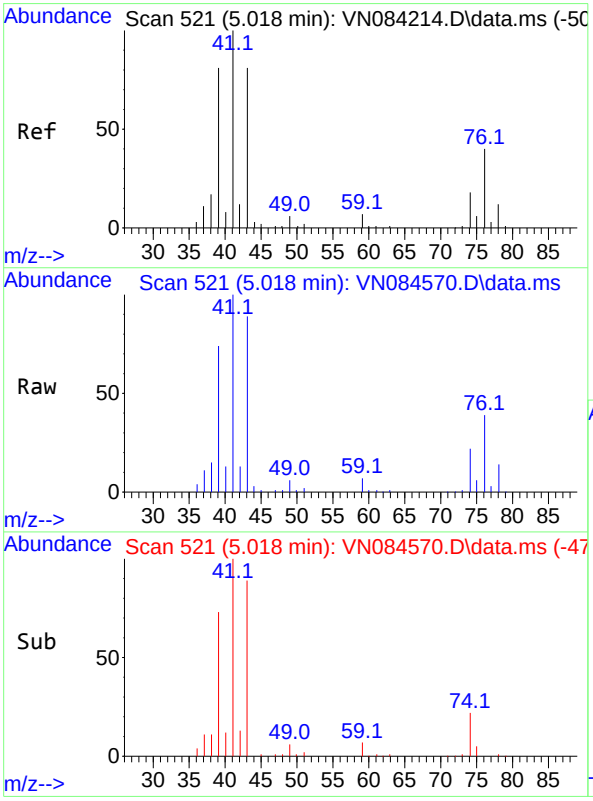
#17
Carbon Disulfide
Concen: 91.464 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 601202

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

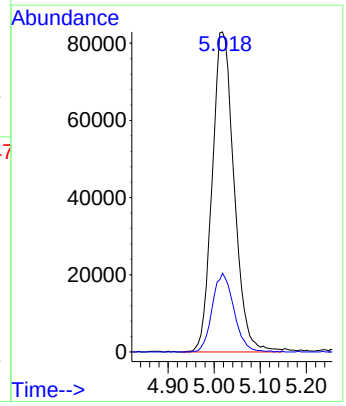


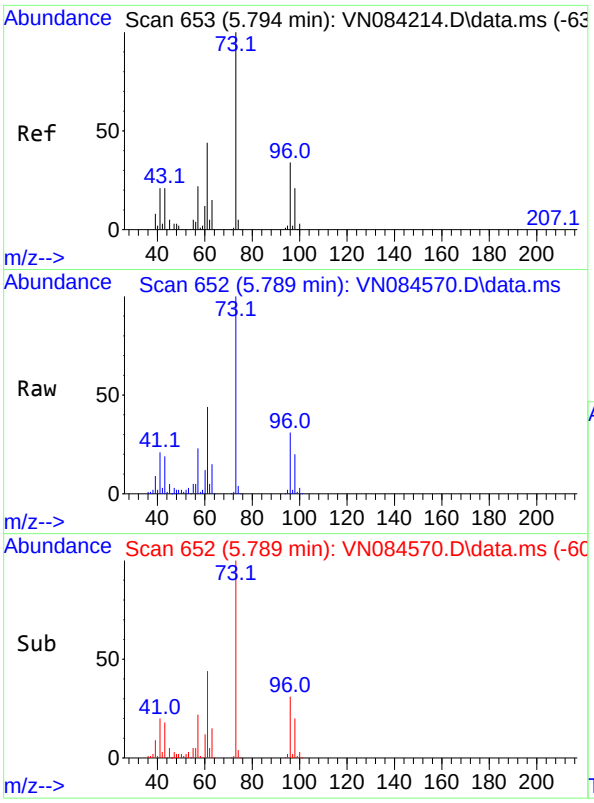


#18
Methyl Acetate
Concen: 99.857 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 43 Resp: 273870

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



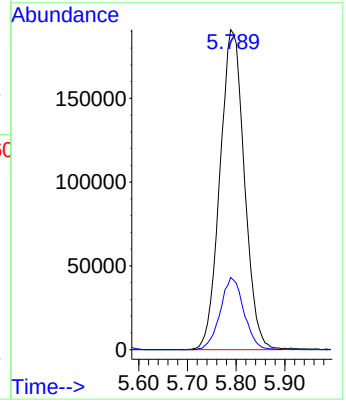


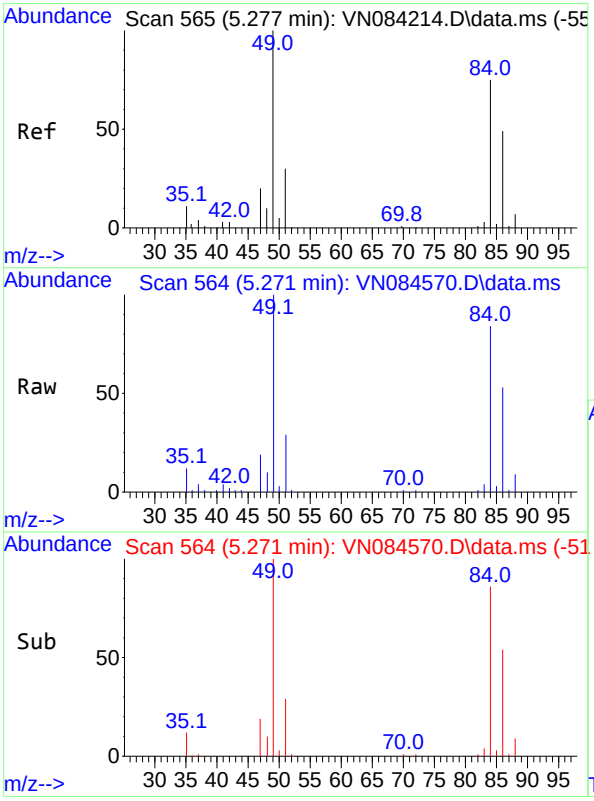
#19
Methyl tert-butyl Ether
Concen: 101.618 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 664800

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

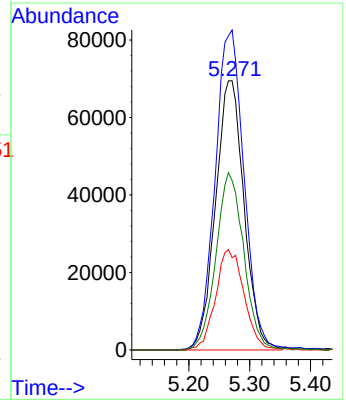


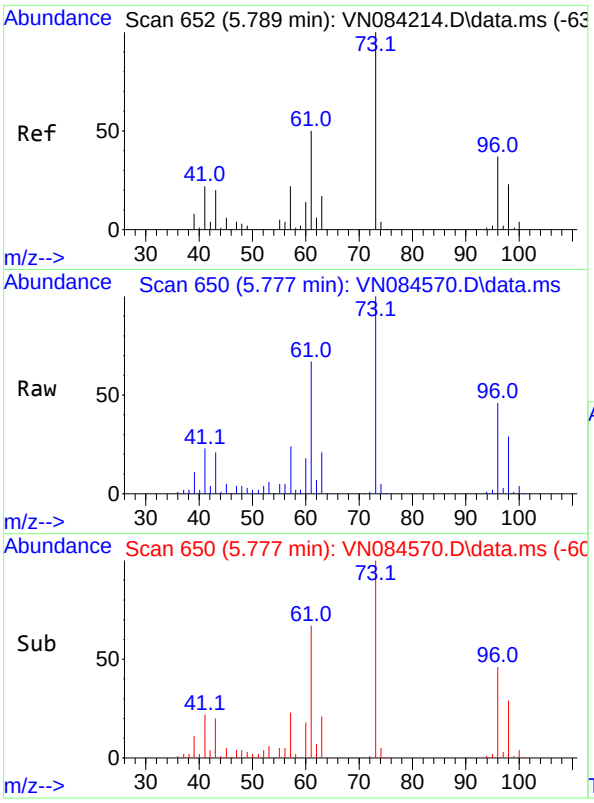


#20
Methylene Chloride
Concen: 95.017 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



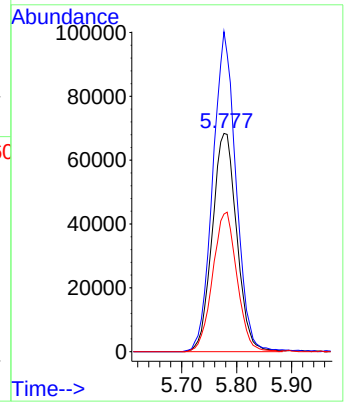


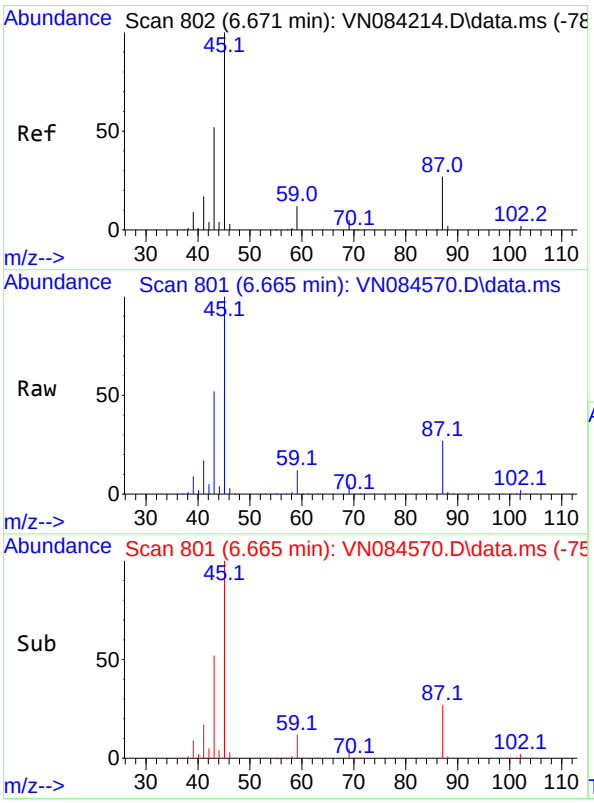
#21
trans-1,2-Dichloroethene
Concen: 96.569 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

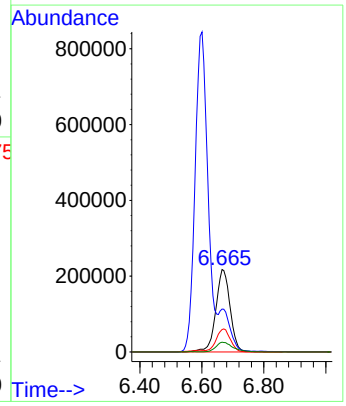


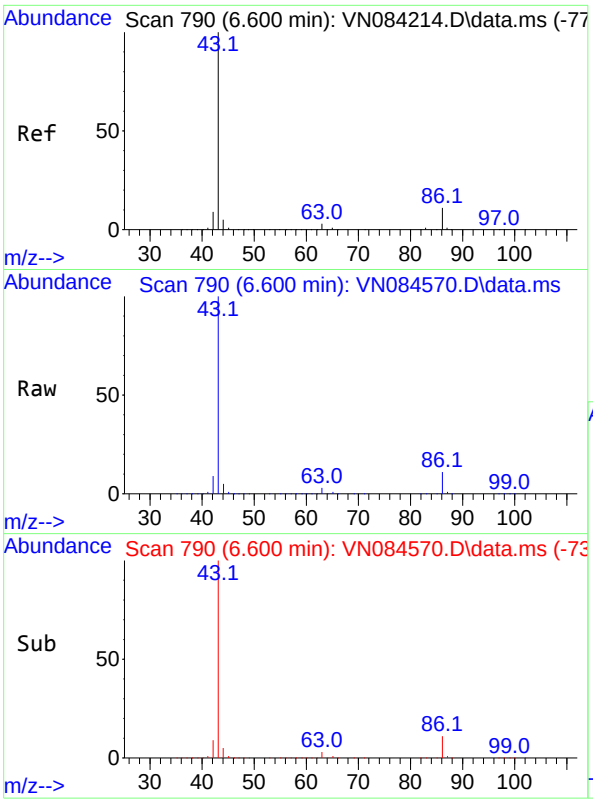


#22
Diisopropyl ether
Concen: 101.268 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



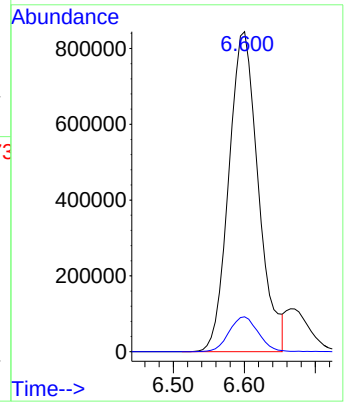


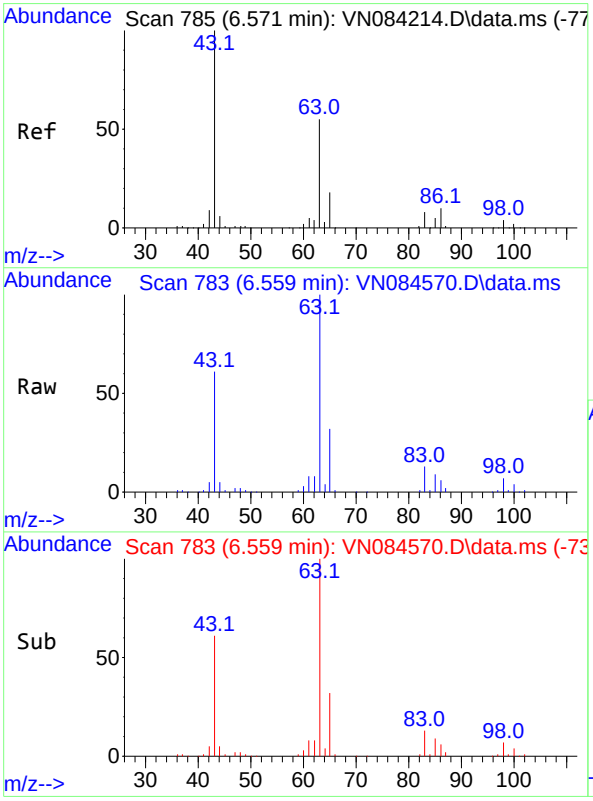
#23
Vinyl Acetate
Concen: 514.697 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2441301

Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	12.8

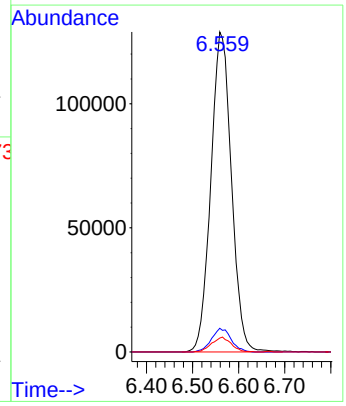


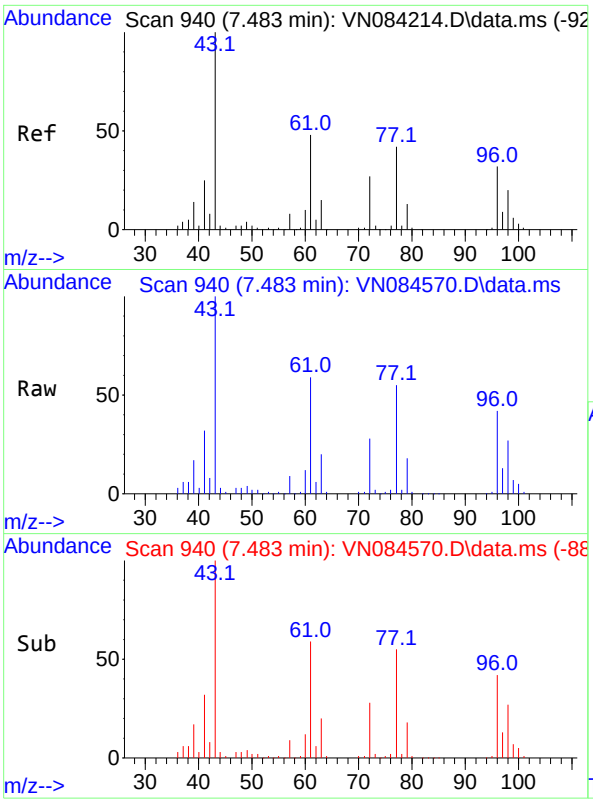


#24
1,1-Dichloroethane
Concen: 96.866 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



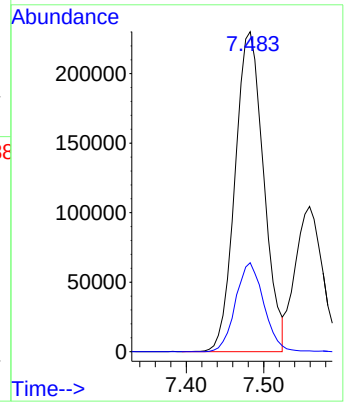


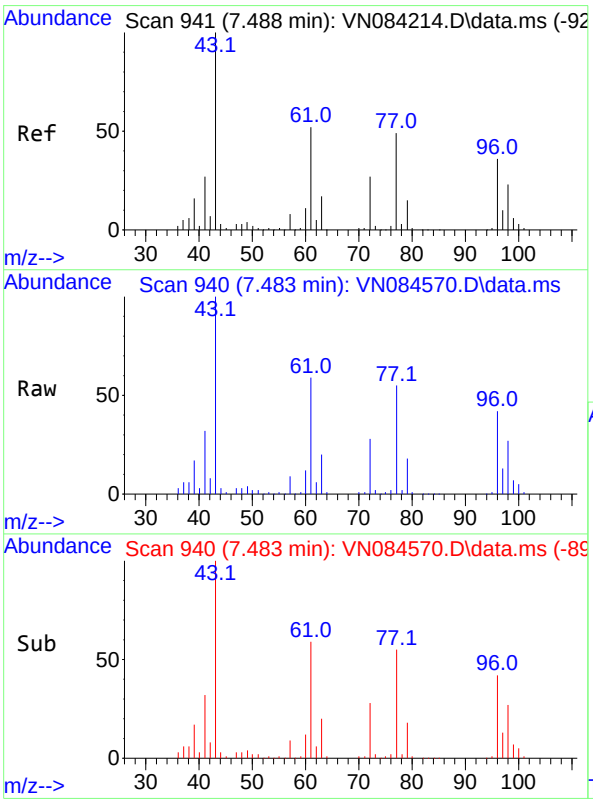
#25
2-Butanone
Concen: 468.634 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 591863

Ion	Ratio	Lower	Upper
43	100		
72	27.8	21.4	32.2

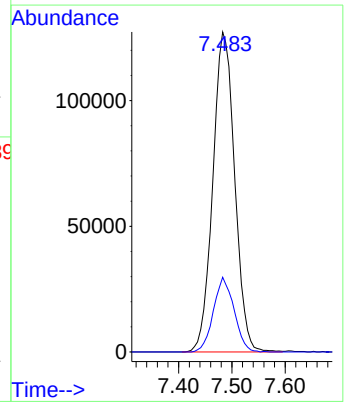


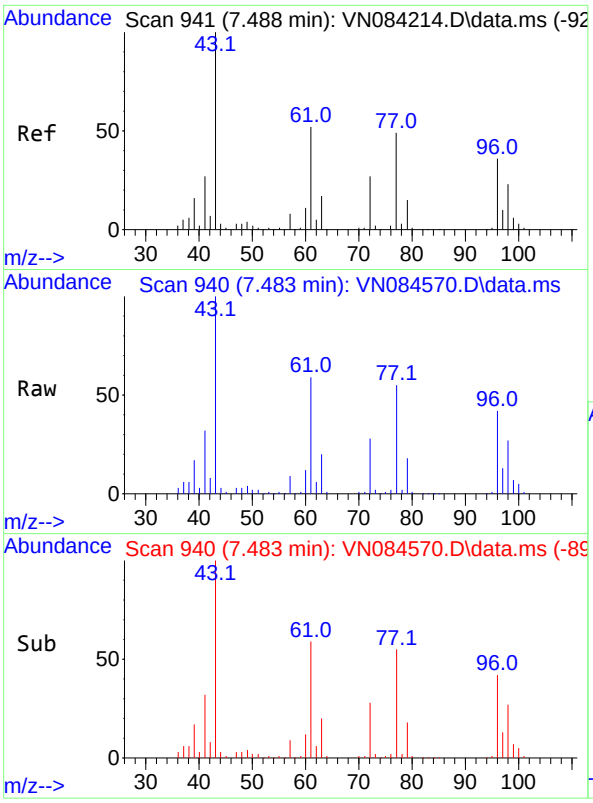


#26
2,2-Dichloropropane
Concen: 100.979 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 77 Resp: 362927

Ion	Ratio	Lower	Upper
77	100		
97	22.0	10.8	32.3



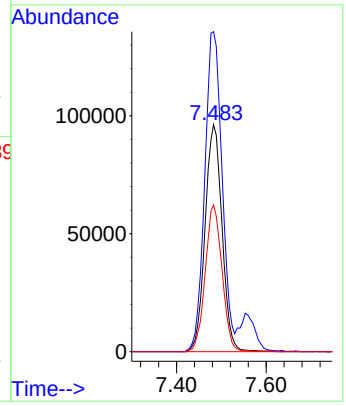


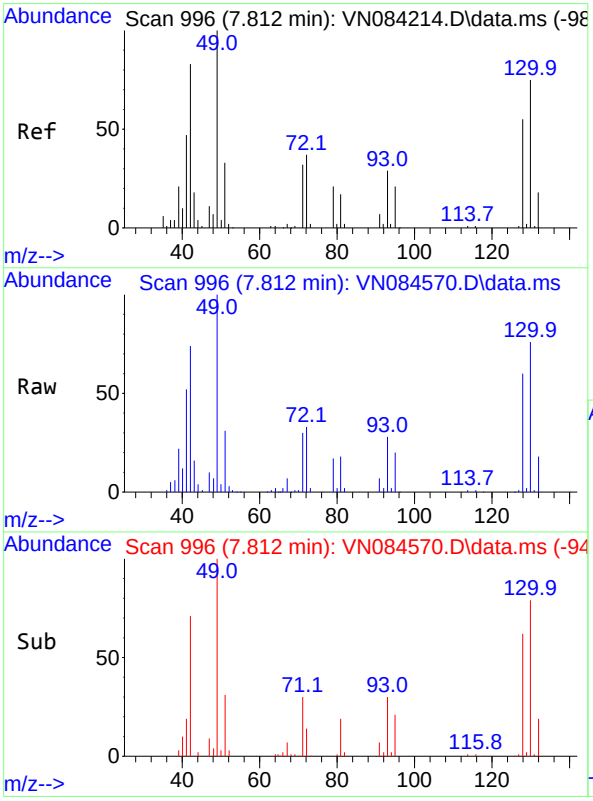
#27
cis-1,2-Dichloroethene
Concen: 98.835 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

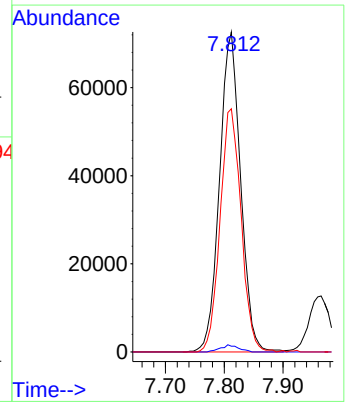


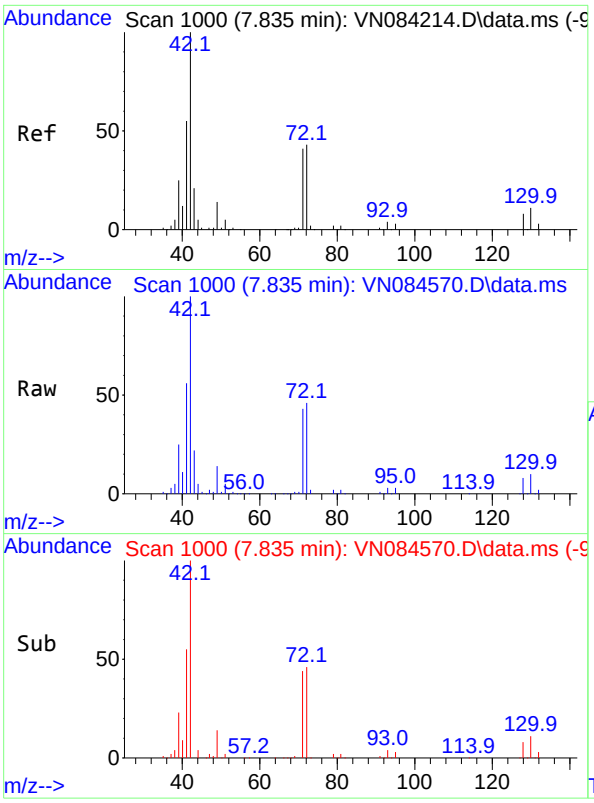


#28
Bromochloromethane
Concen: 109.944 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



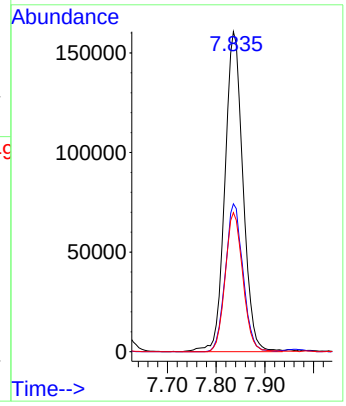


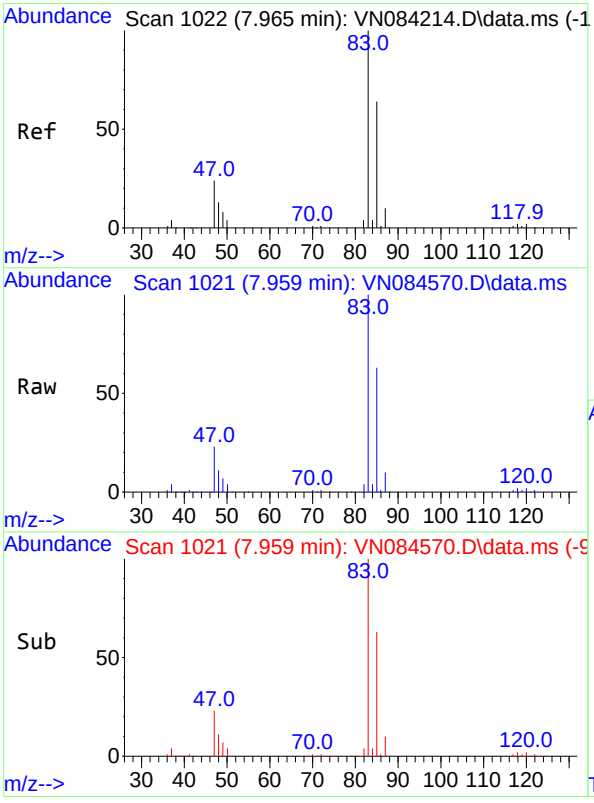
#29
Tetrahydrofuran
Concen: 495.347 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

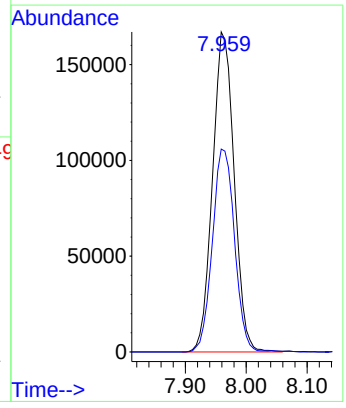


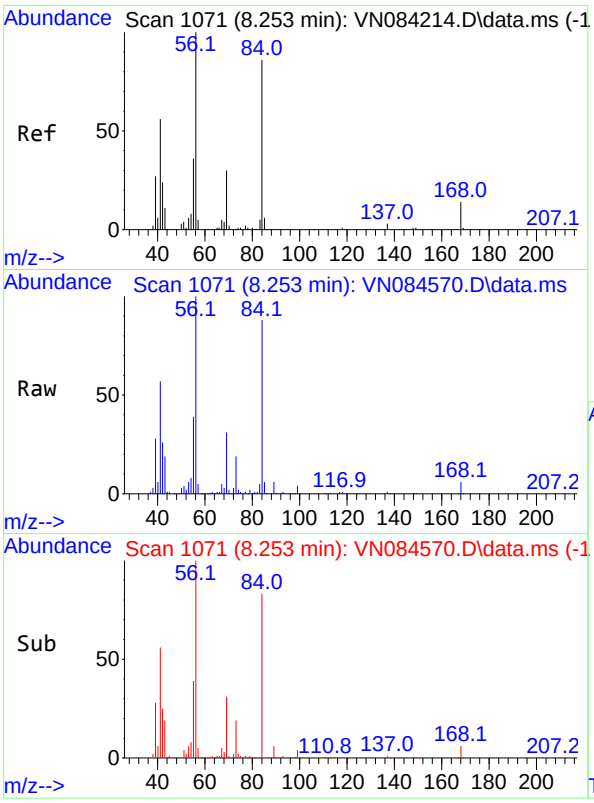


#30
Chloroform
Concen: 98.045 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 83 Resp: 412084

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



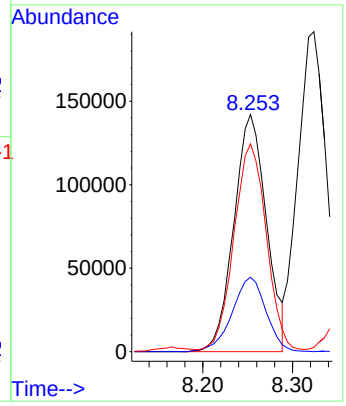


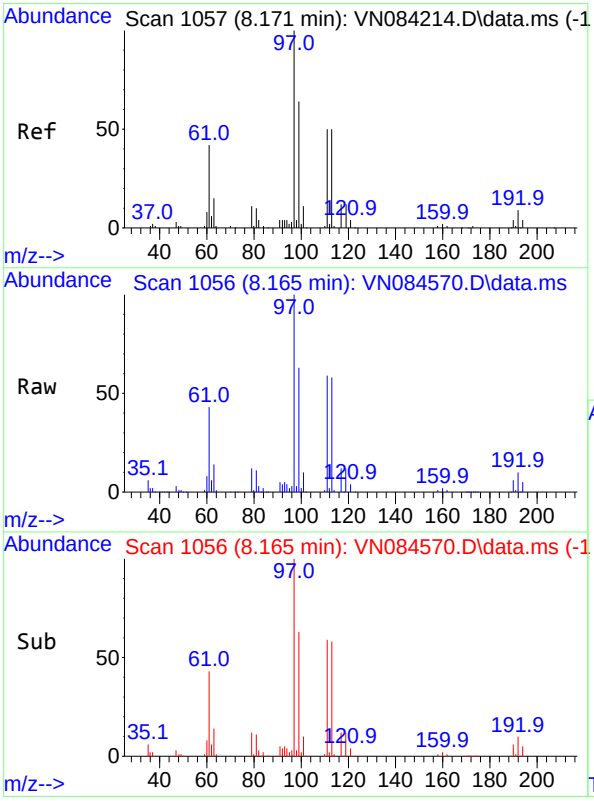
#31
Cyclohexane
Concen: 95.881 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

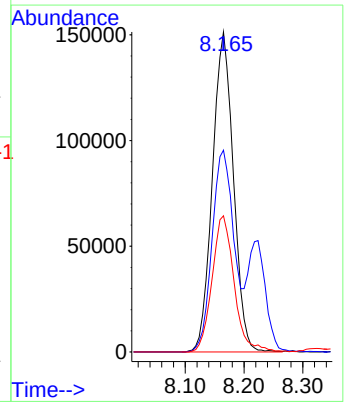


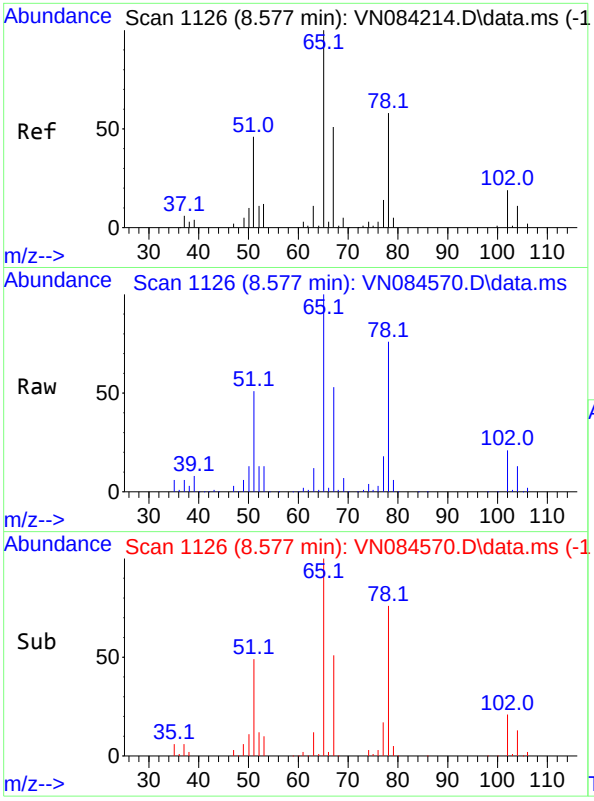


#32
1,1,1-Trichloroethane
Concen: 98.012 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



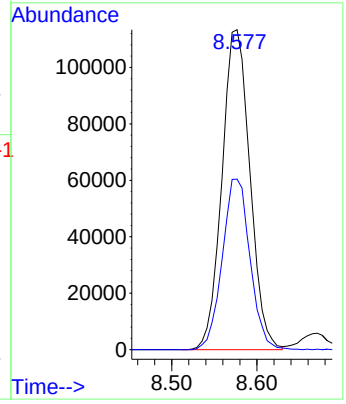


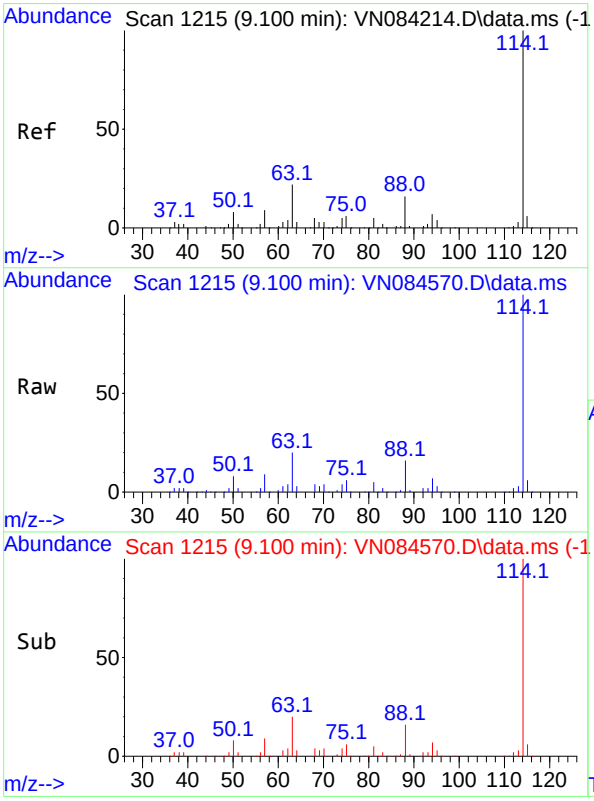
#33
1,2-Dichloroethane-d4
Concen: 95.404 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 258269

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0

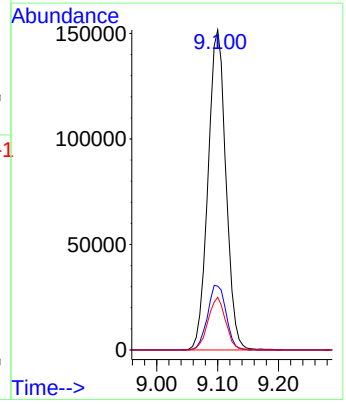


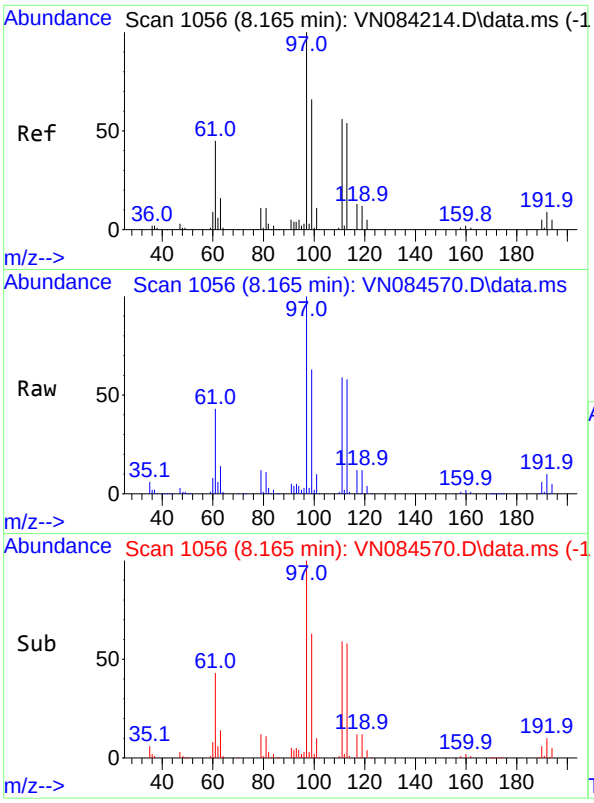


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



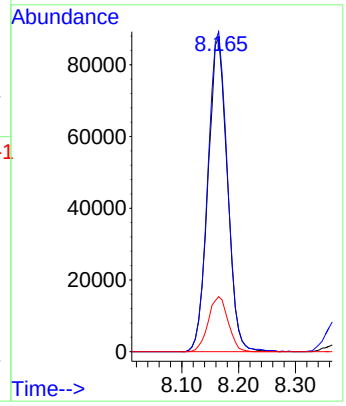


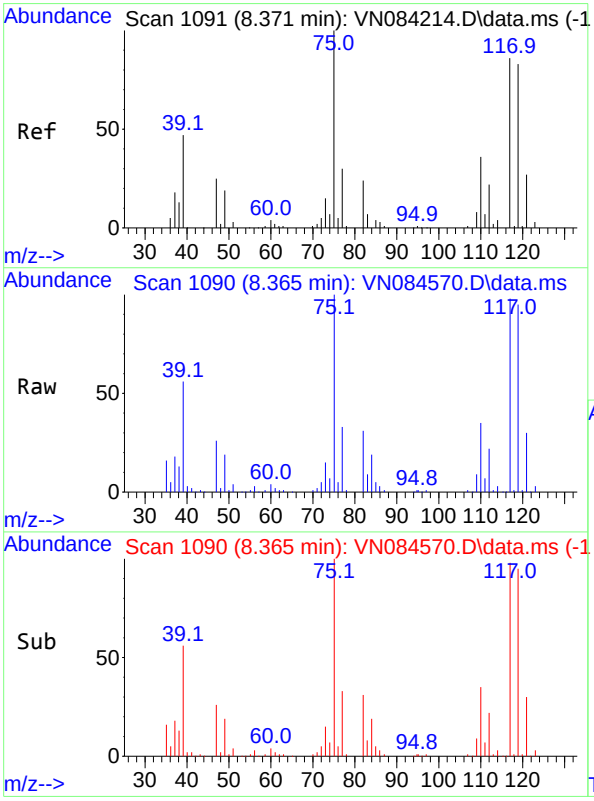
#35
Dibromofluoromethane
Concen: 98.617 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

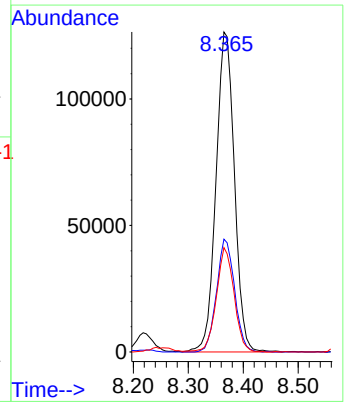


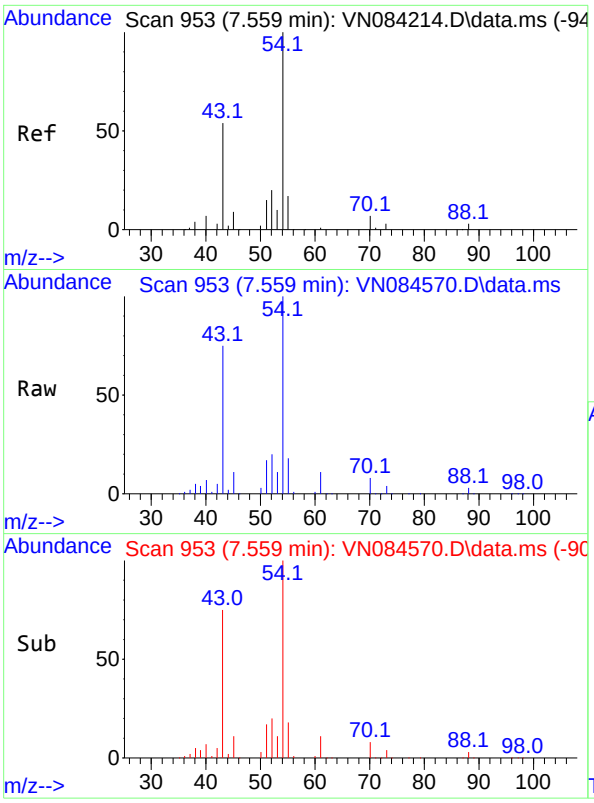


#36
1,1-Dichloropropene
Concen: 101.323 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



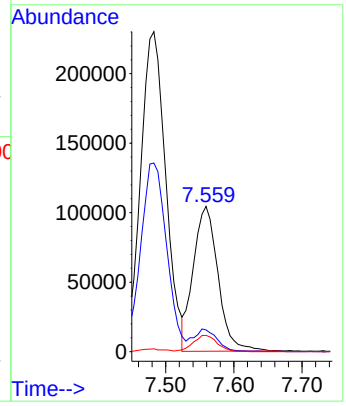


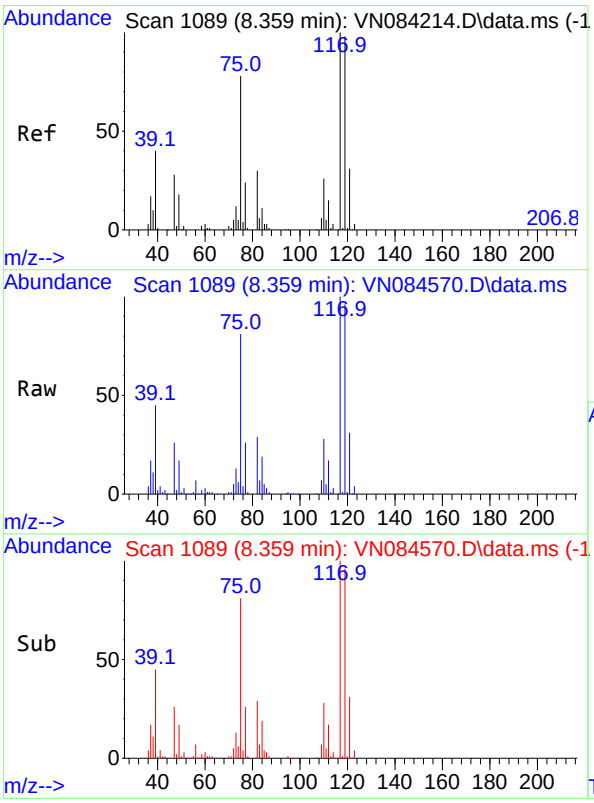
#37
Ethyl Acetate
Concen: 99.553 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

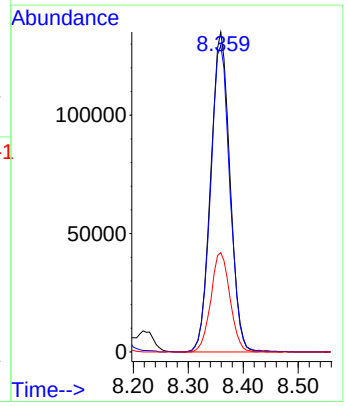


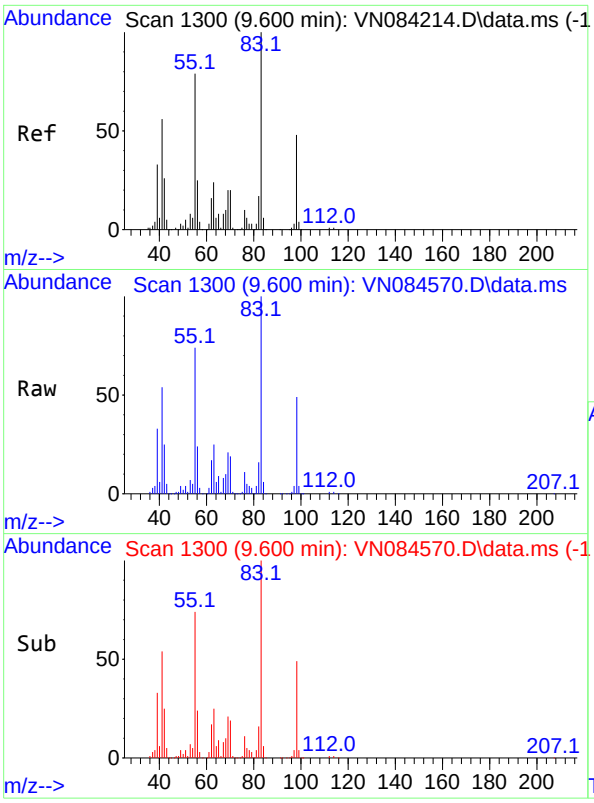


#38
Carbon Tetrachloride
Concen: 100.981 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



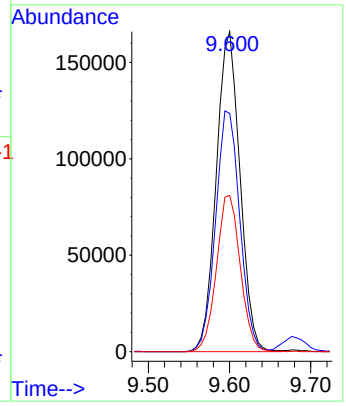


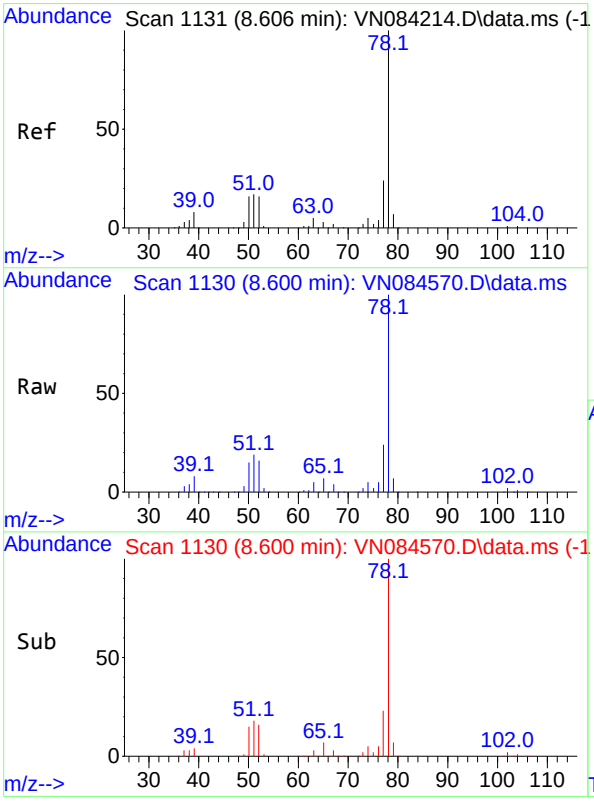
#39
Methylcyclohexane
Concen: 114.344 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

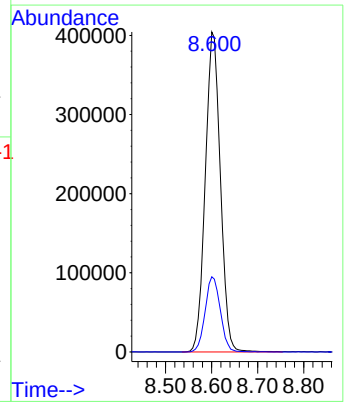


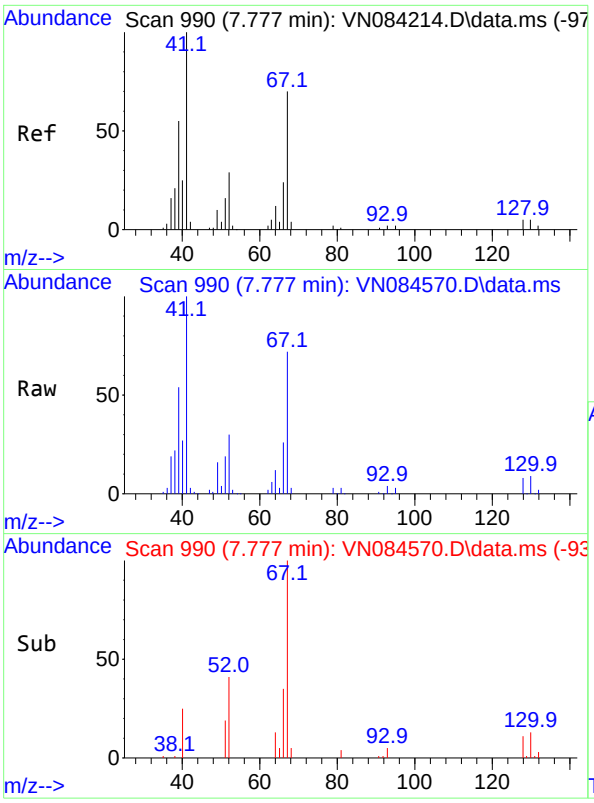


#40
Benzene
Concen: 99.119 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 78 Resp: 924038

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7



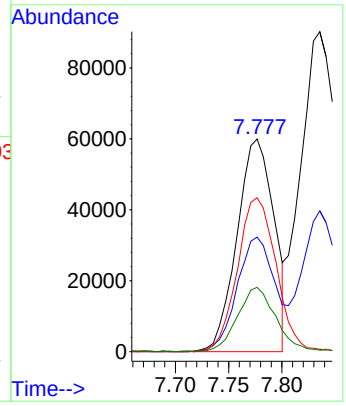


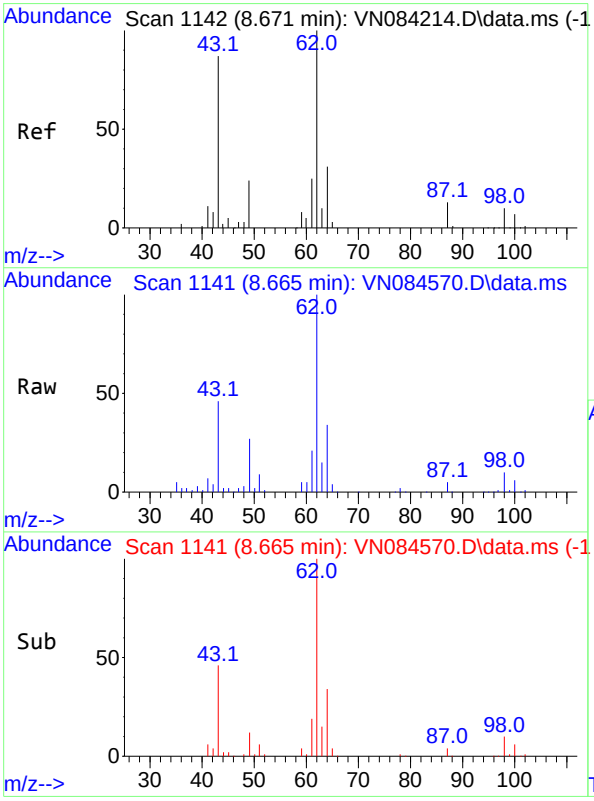
#41
Methacrylonitrile
Concen: 102.406 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

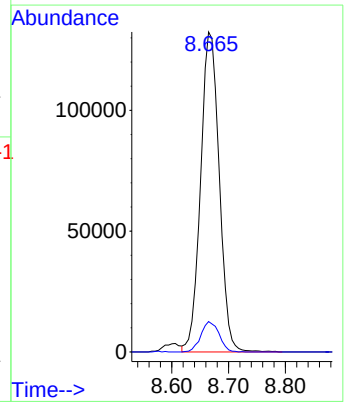


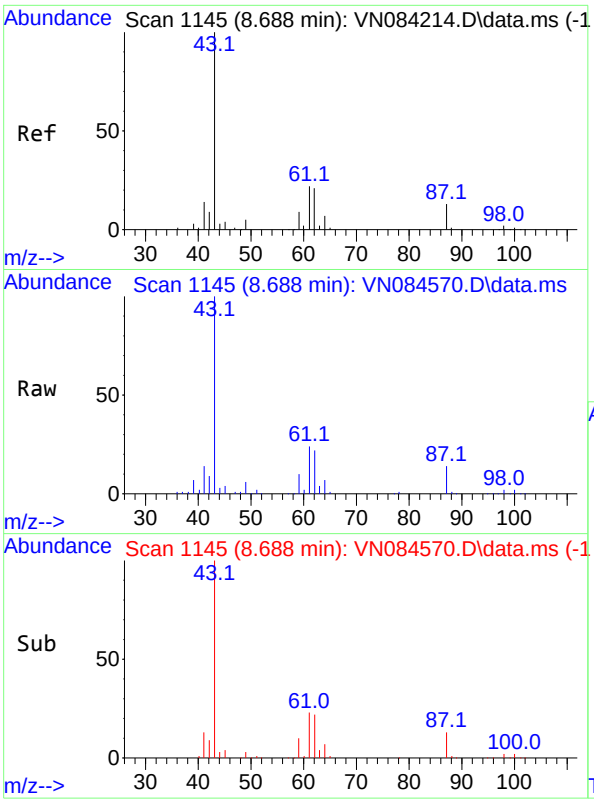


#42
1,2-Dichloroethane
Concen: 100.005 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 62 Resp: 301932

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



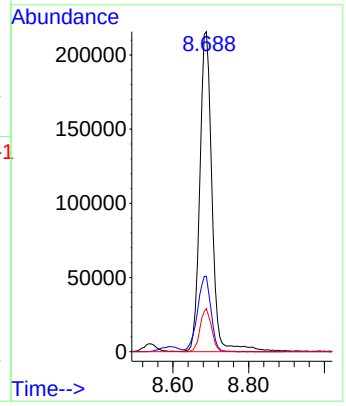


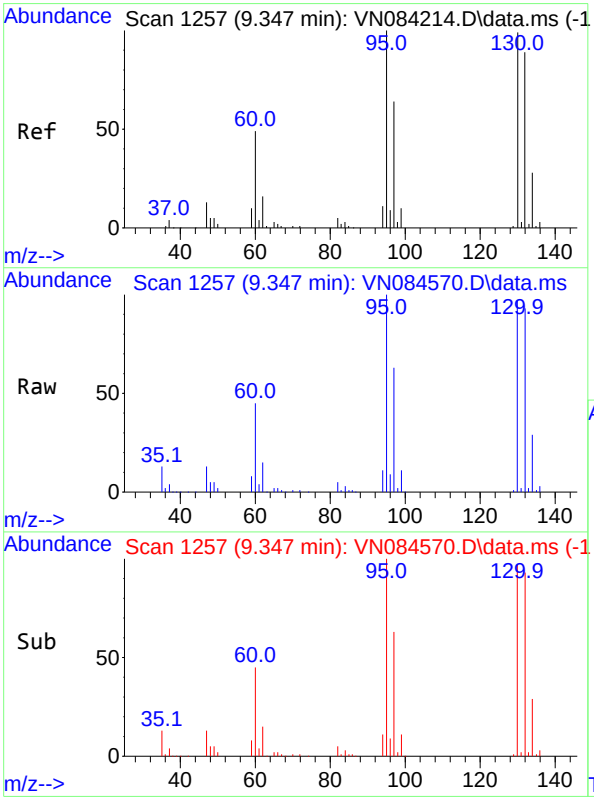
#43
Isopropyl Acetate
Concen: 100.857 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

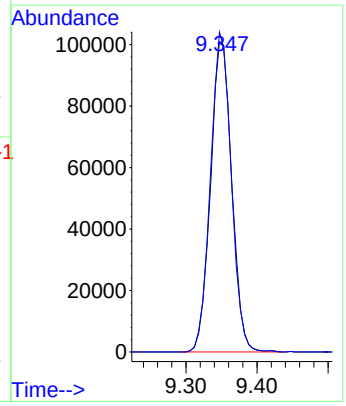


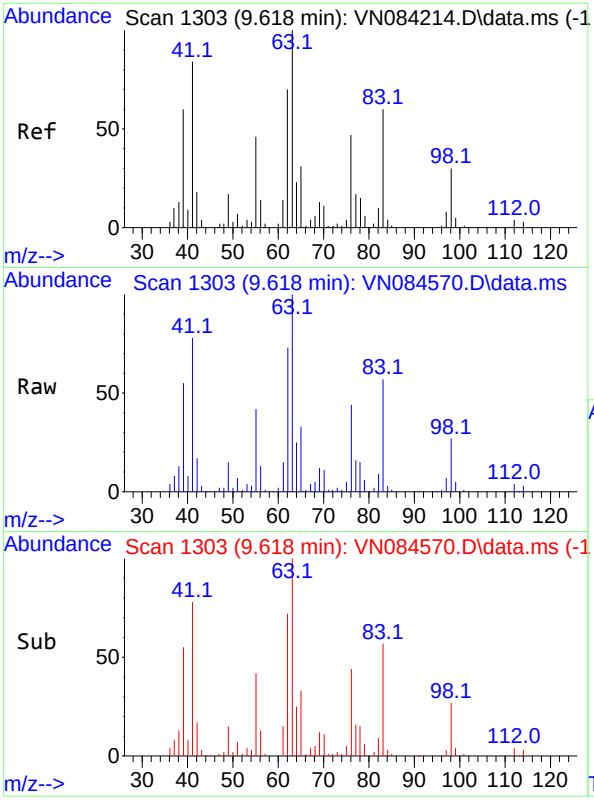


#44
Trichloroethene
Concen: 97.413 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:130 Resp: 209438

Ion	Ratio	Lower	Upper
130	100		
95	103.1	0.0	203.0



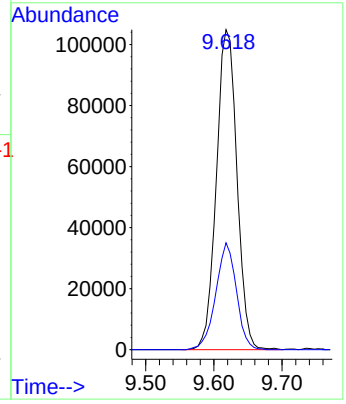


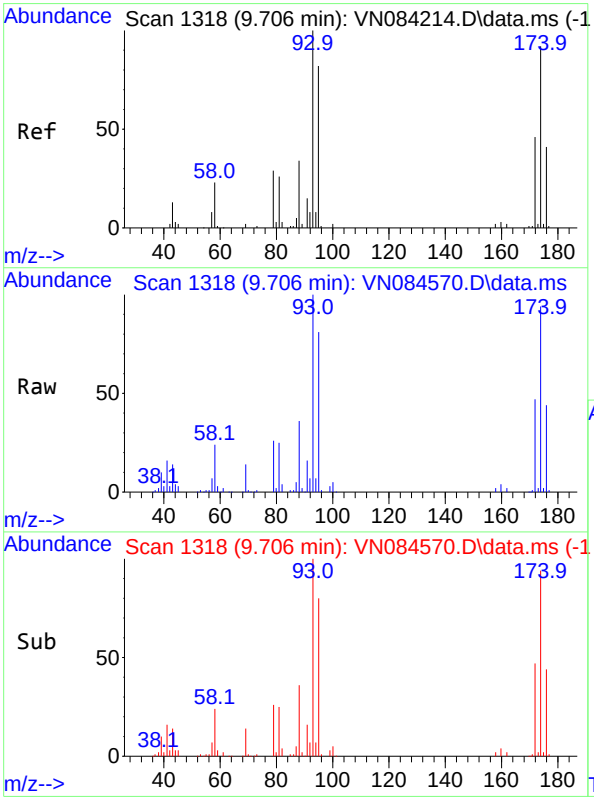
#45
1,2-Dichloropropane
Concen: 100.718 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 220258

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.6	37.0

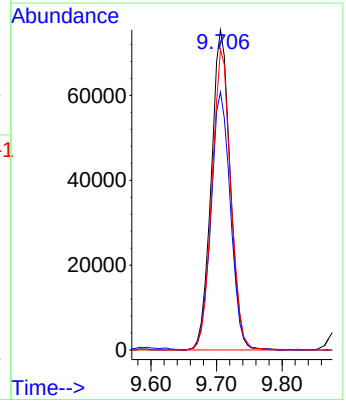


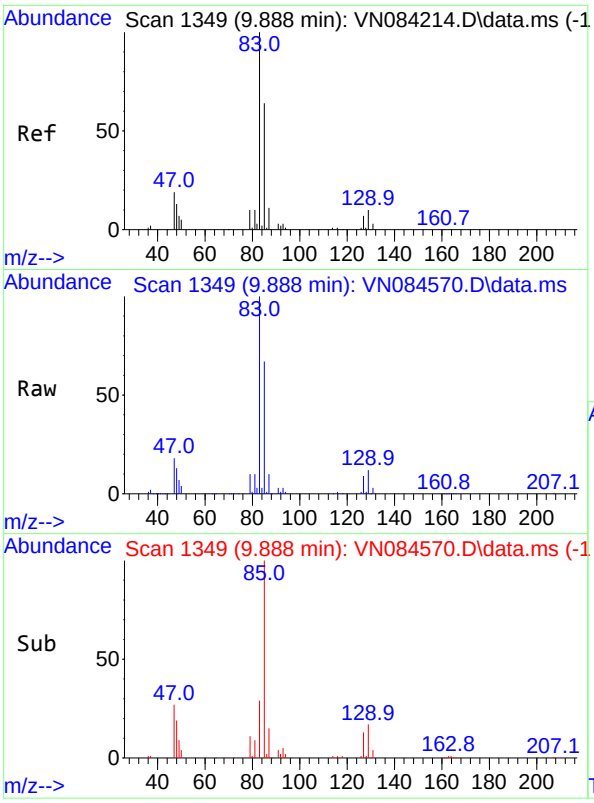


#46
Dibromomethane
Concen: 98.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



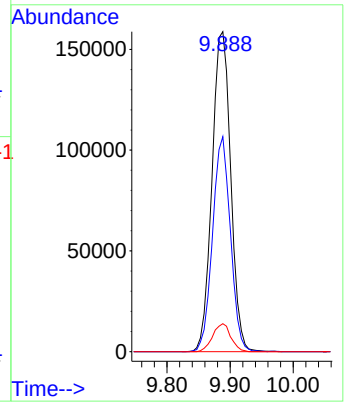


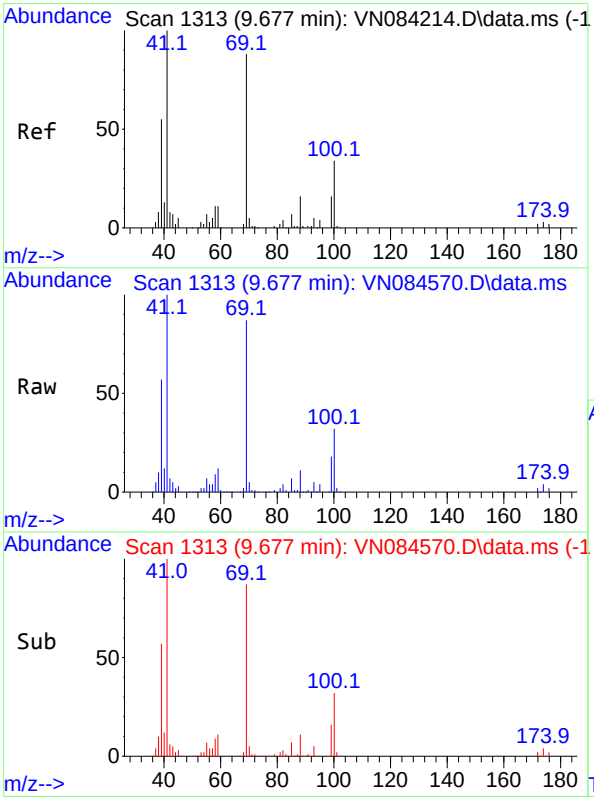
#47
Bromodichloromethane
Concen: 100.364 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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#

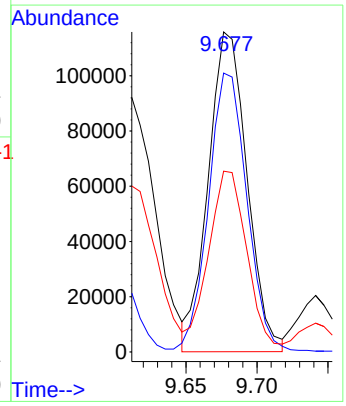


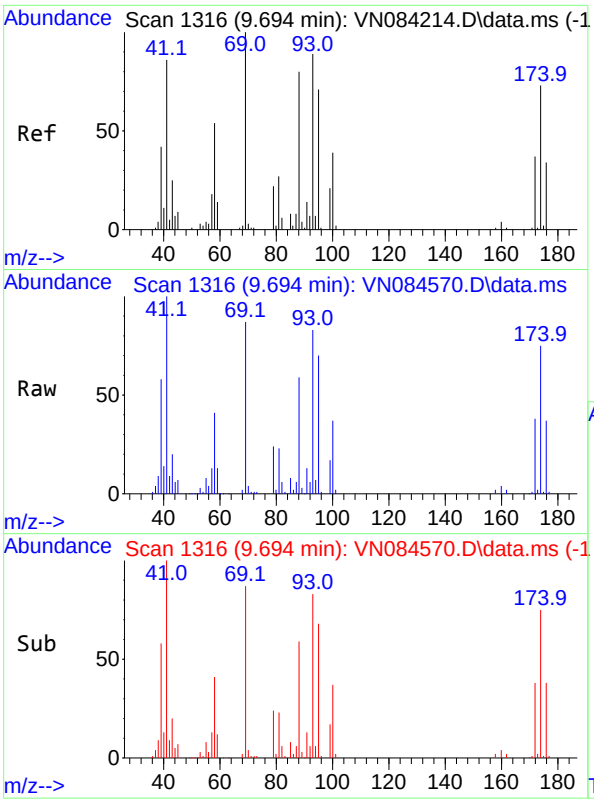


#48
Methyl methacrylate
Concen: 107.249 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



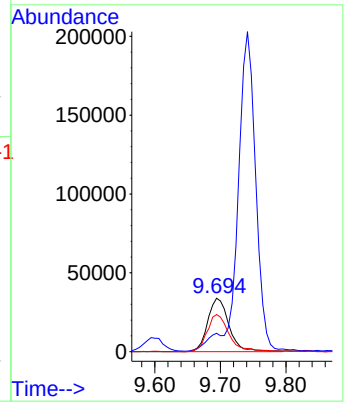


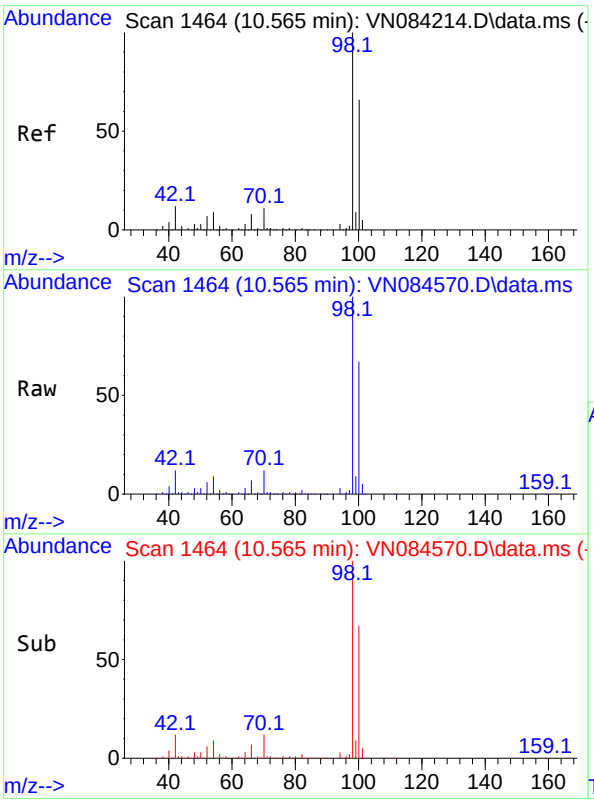
#49
1,4-Dioxane
Concen: 2097.505 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

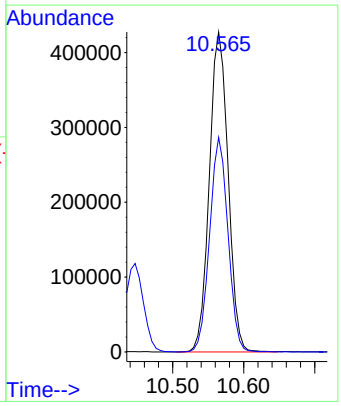


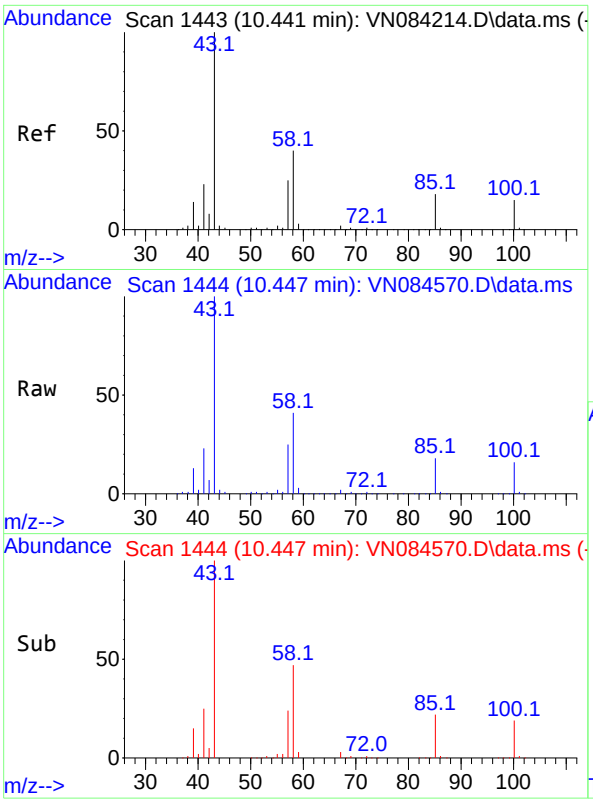


#50
Toluene-d8
Concen: 101.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 98 Resp: 783727

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



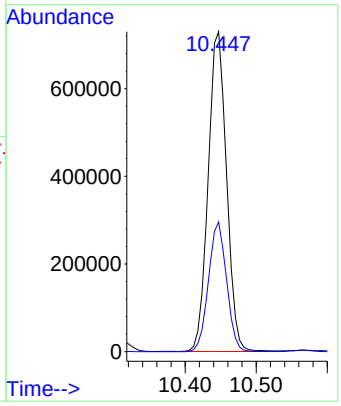


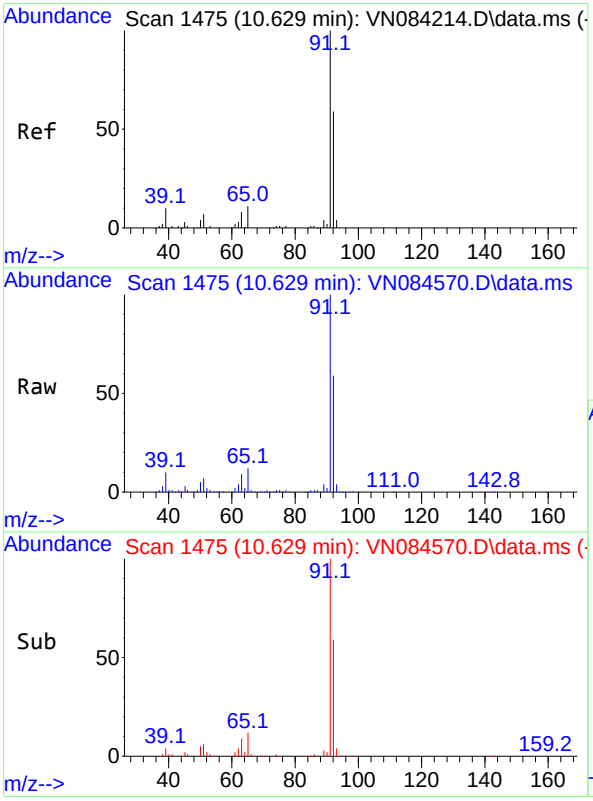
#51
4-Methyl-2-Pentanone
Concen: 522.607 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1312148

Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.6	47.4

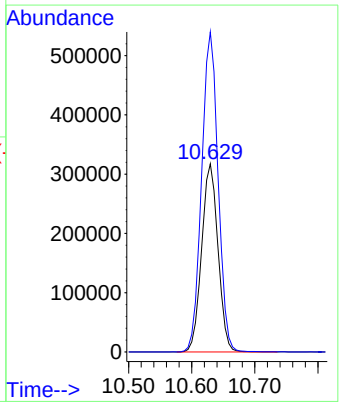


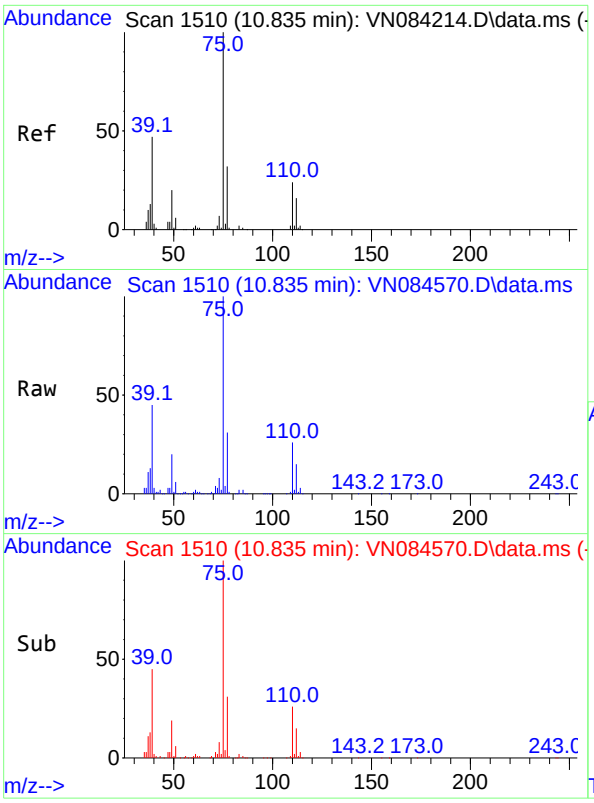


#52
Toluene
Concen: 104.696 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 92 Resp: 570832

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.3	205.9



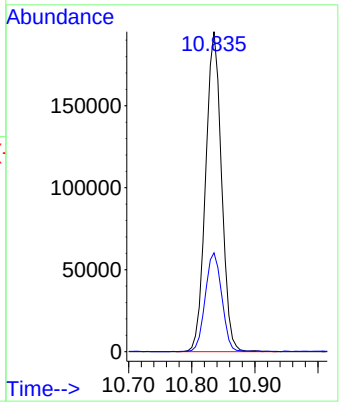


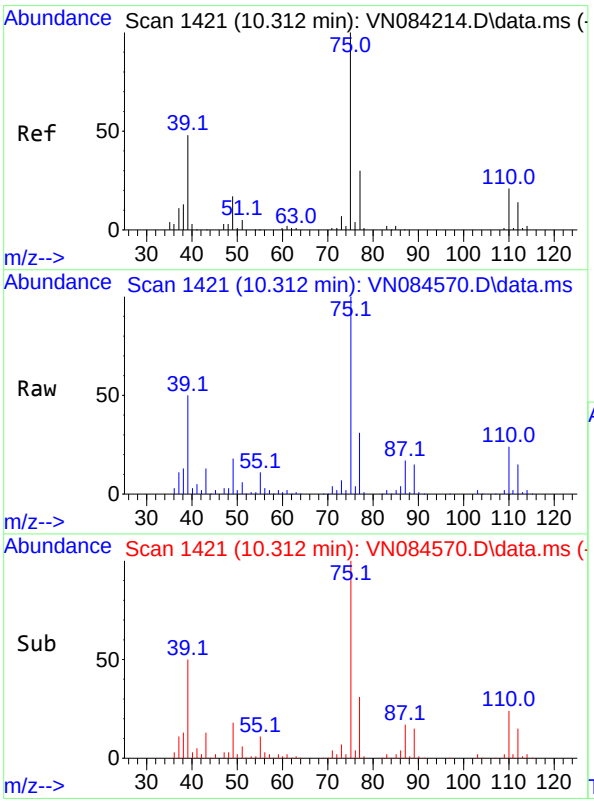
#53
t-1,3-Dichloropropene
Concen: 101.334 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 341196

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

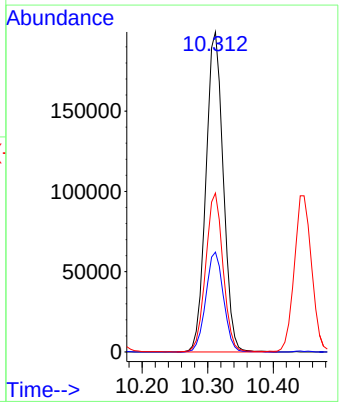


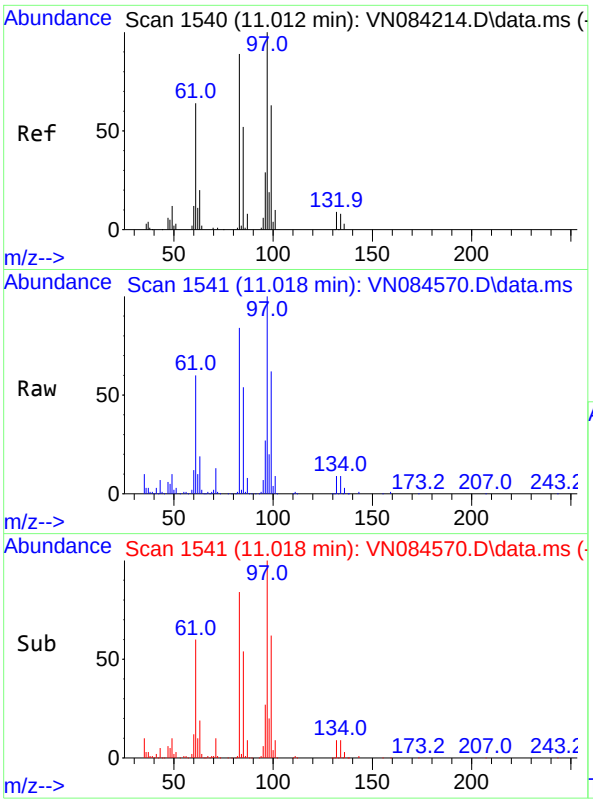


#54
cis-1,3-Dichloropropene
Concen: 102.804 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



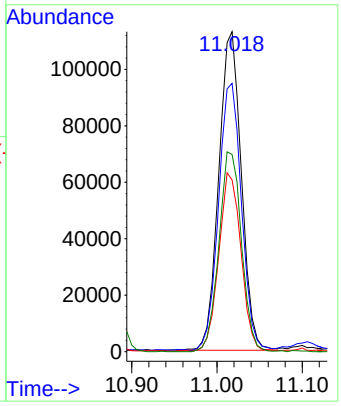


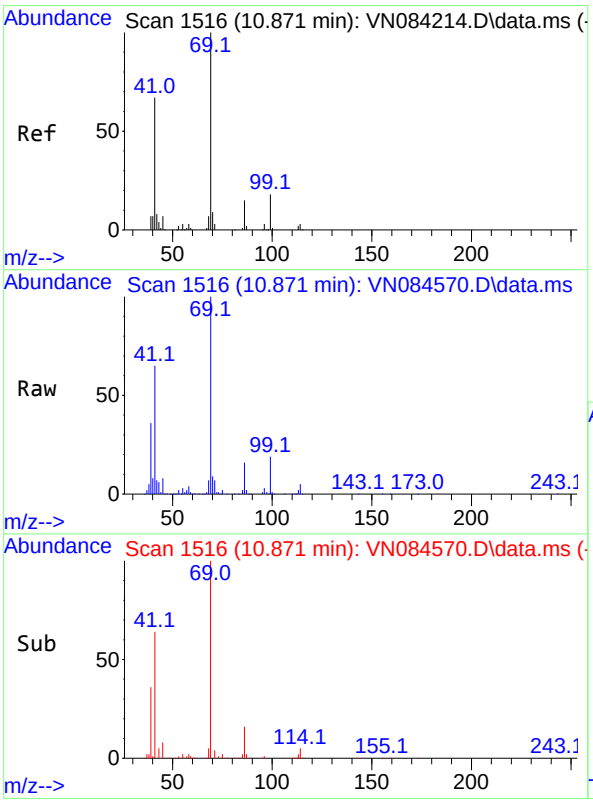
#55
1,1,2-Trichloroethane
Concen: 101.124 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

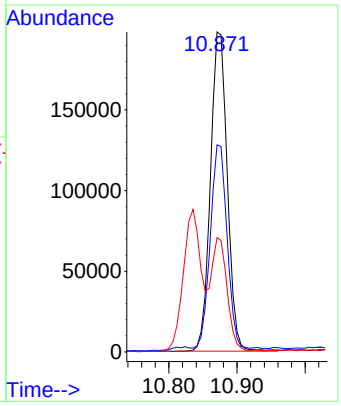


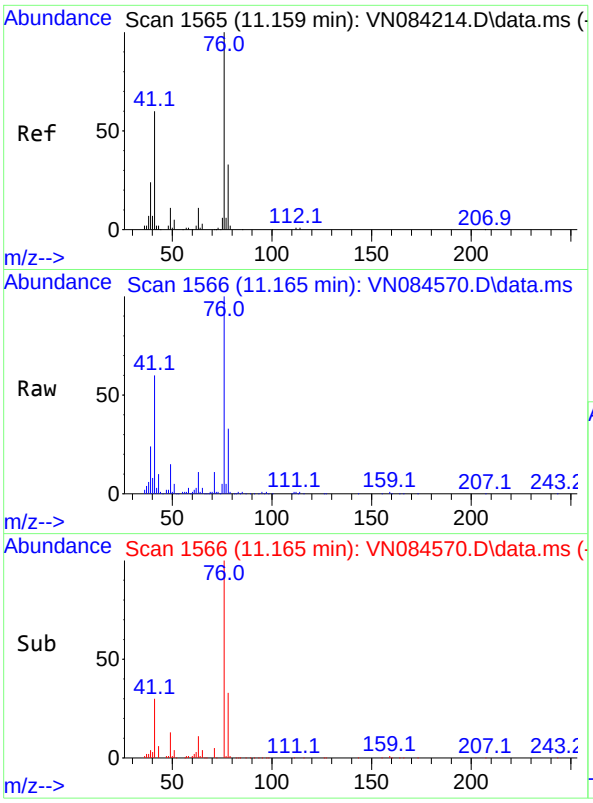


#56
Ethyl methacrylate
Concen: 114.573 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



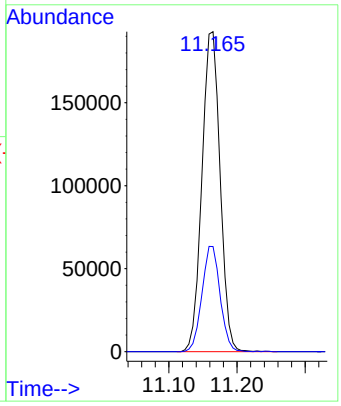


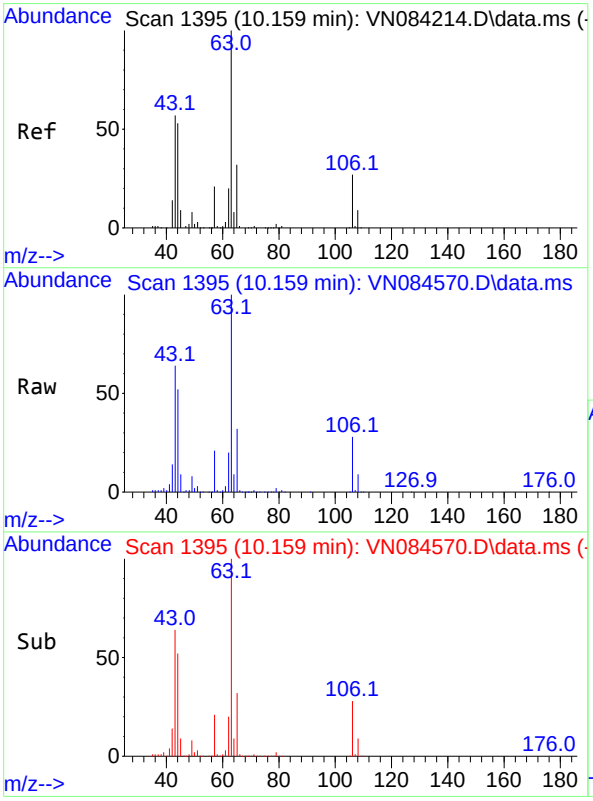
#57
1,3-Dichloropropane
Concen: 101.320 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 357131

Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

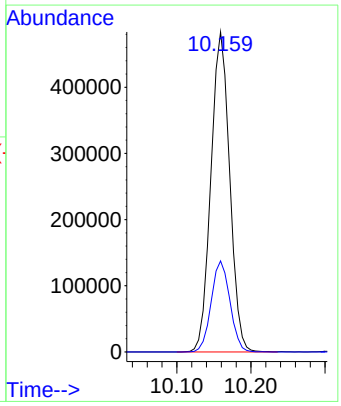


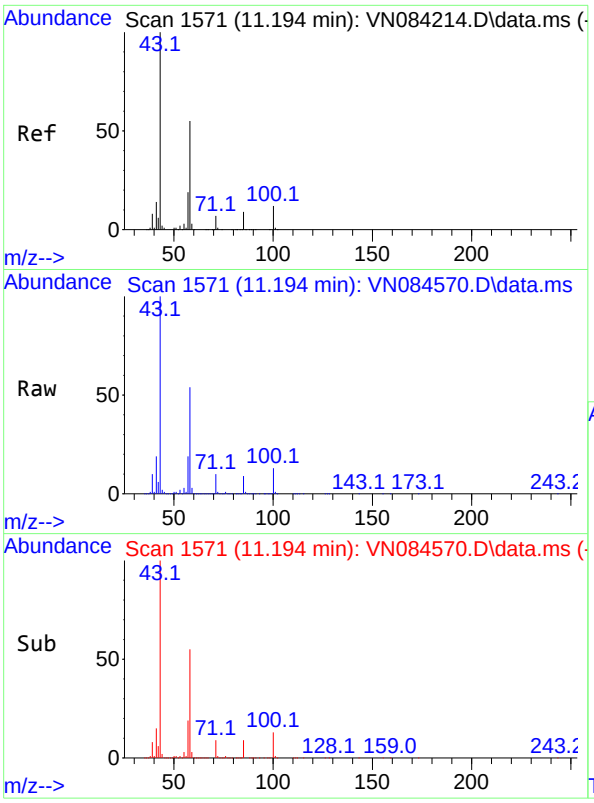


#58
2-Chloroethyl Vinyl ether
Concen: 611.330 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 63 Resp: 849817

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



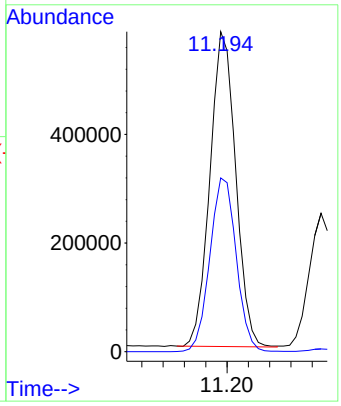


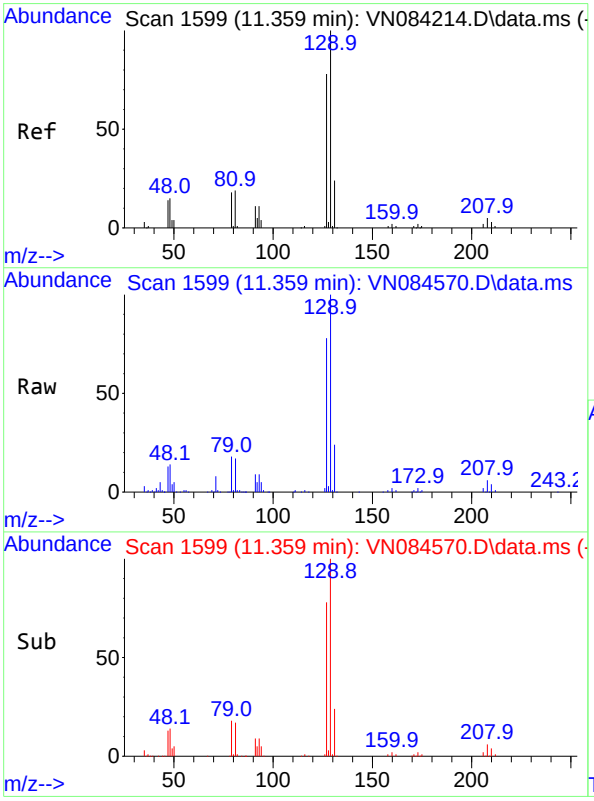
#59
2-Hexanone
Concen: 531.346 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 971064

Ion	Ratio	Lower	Upper
43	100		
58	56.6	27.3	81.8

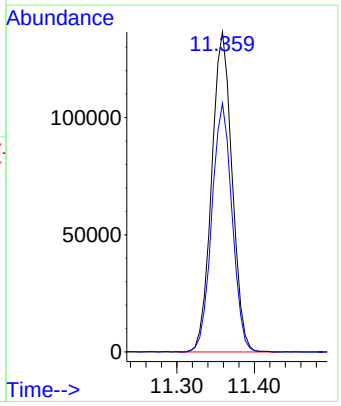


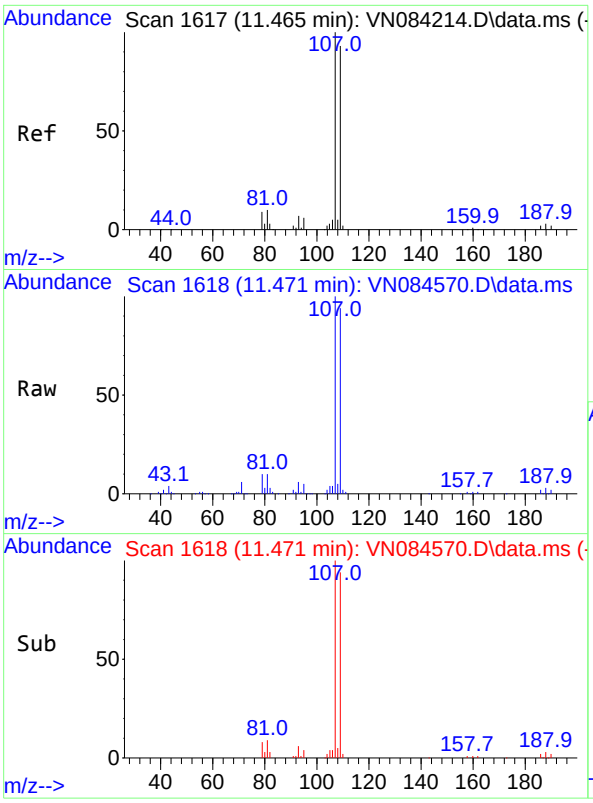


#60
Dibromochloromethane
Concen: 106.691 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:129 Resp: 249733

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9



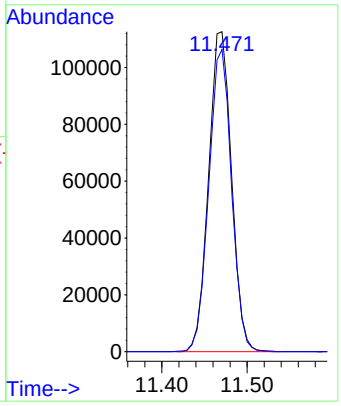


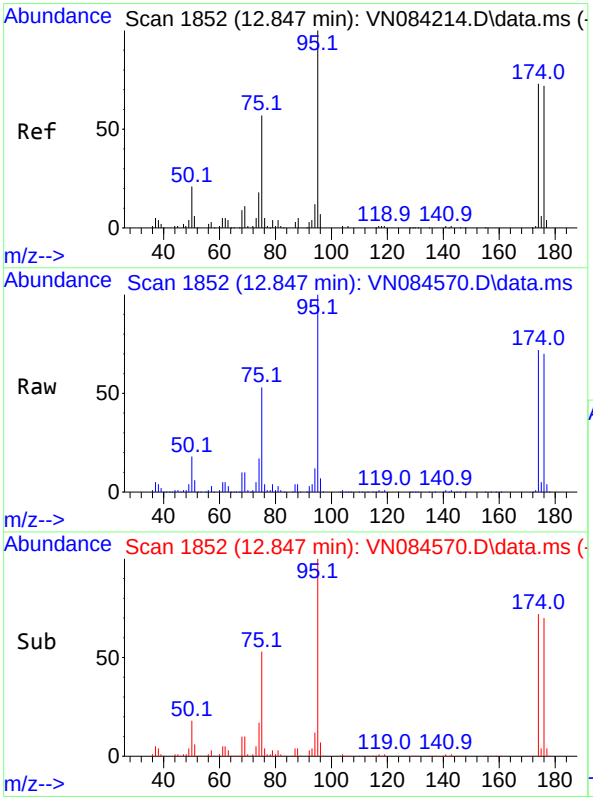
#61
1,2-Dibromoethane
Concen: 99.870 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 210043

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.0

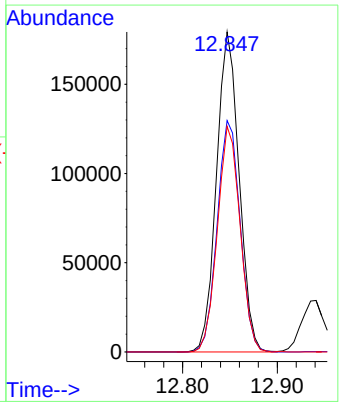


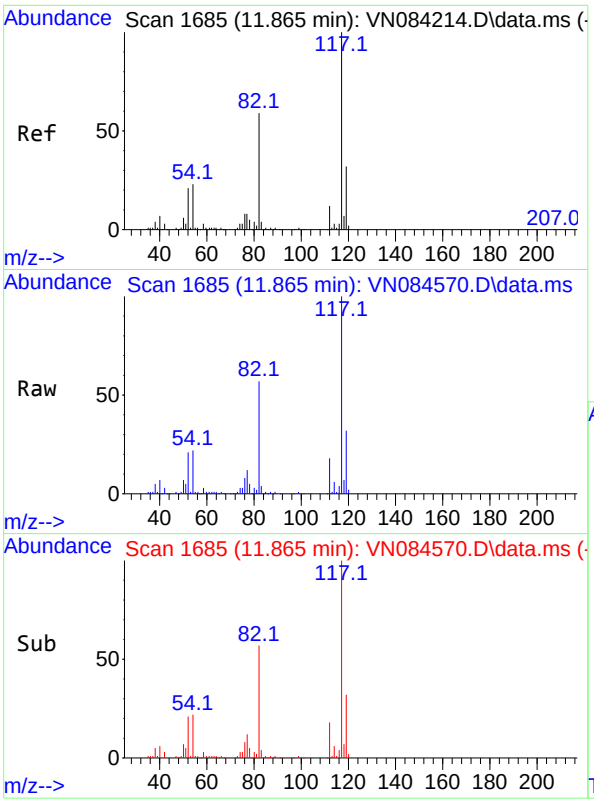


#62
4-Bromofluorobenzene
Concen: 103.292 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



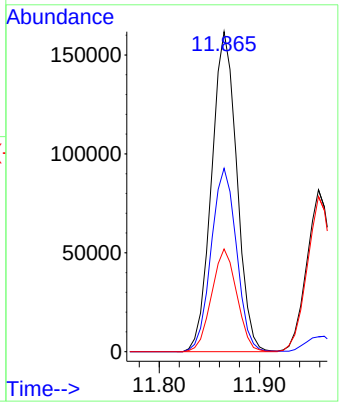


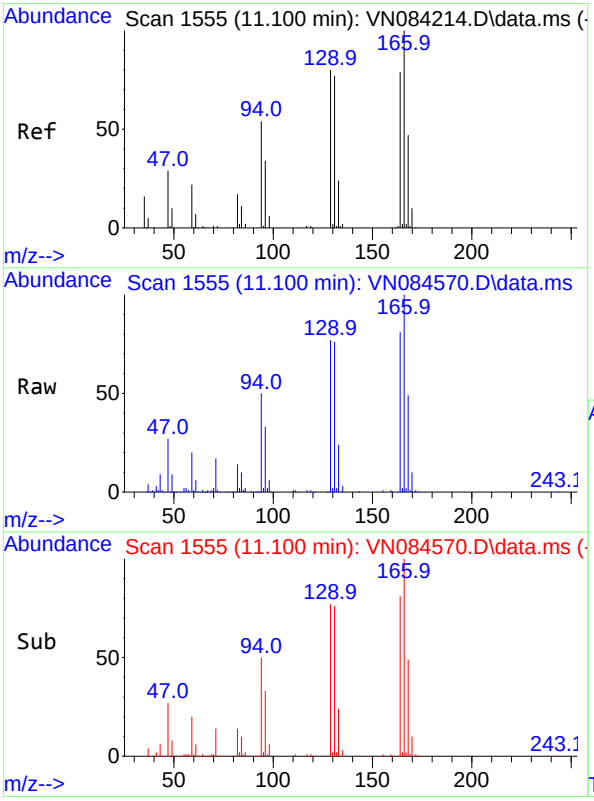
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

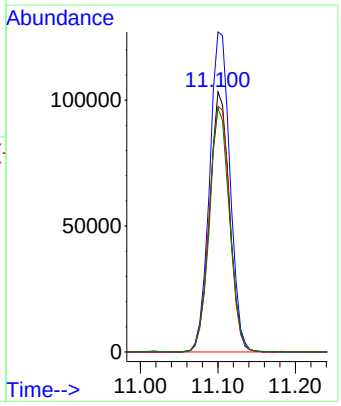


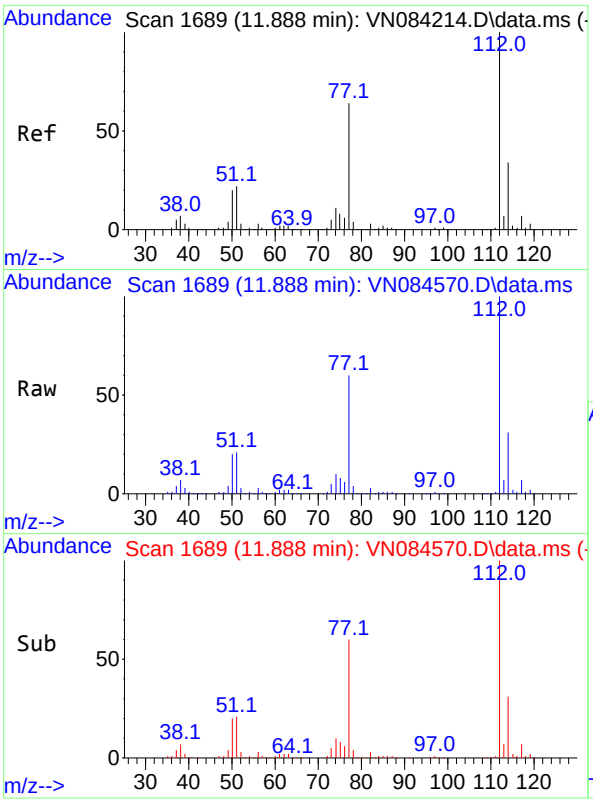


#64
Tetrachloroethene
Concen: 98.169 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



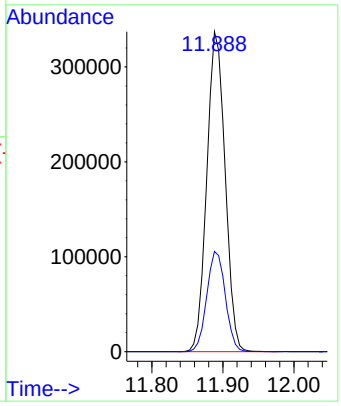


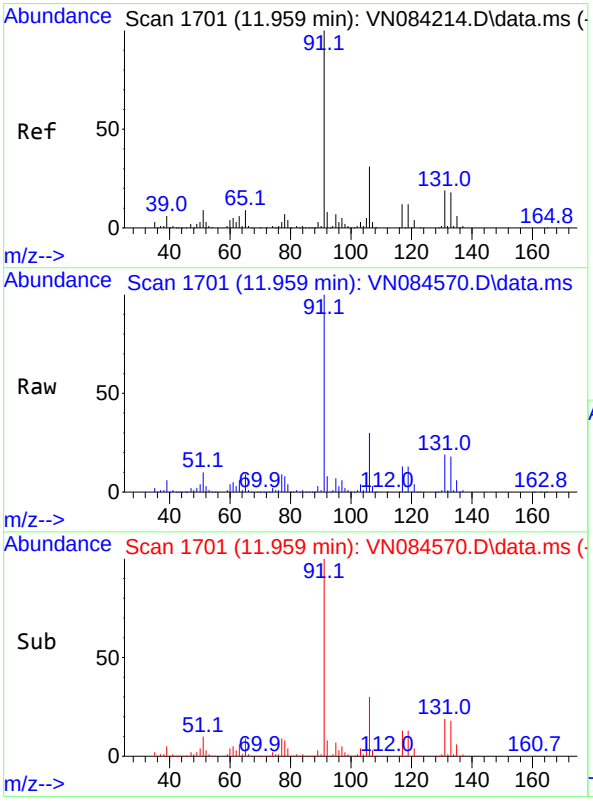
#65
Chlorobenzene
Concen: 95.500 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 603595

Ion	Ratio	Lower	Upper
112	100		
114	31.4	27.0	40.6

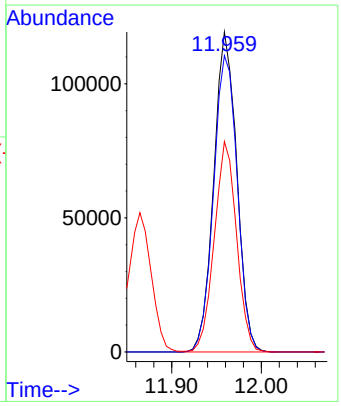


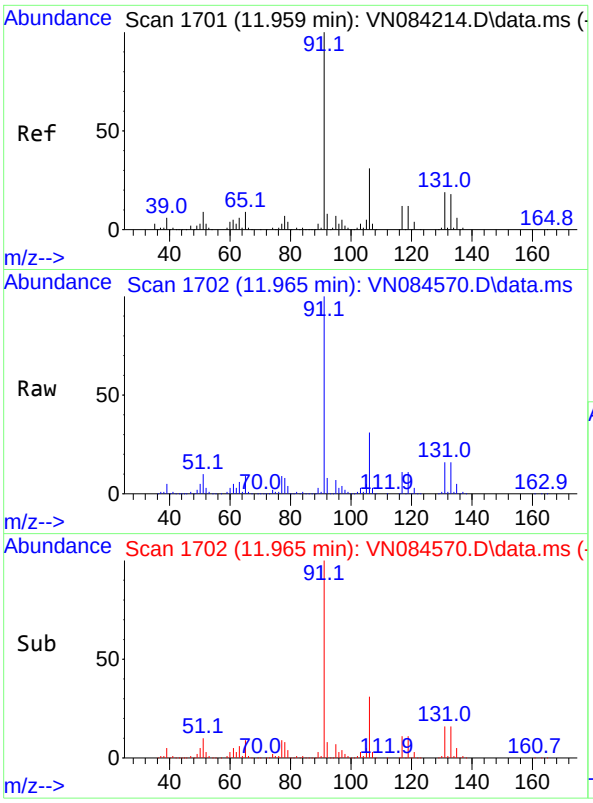


#66
1,1,1,2-Tetrachloroethane
Concen: 96.458 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



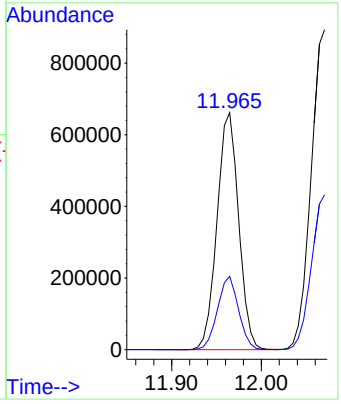


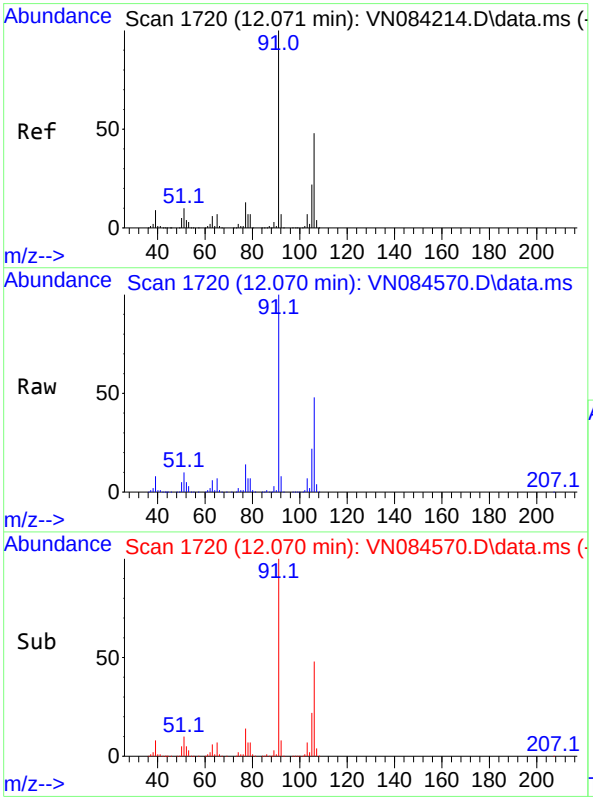
#67
Ethyl Benzene
Concen: 104.837 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1106035

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

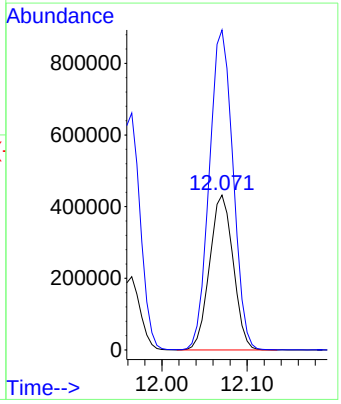


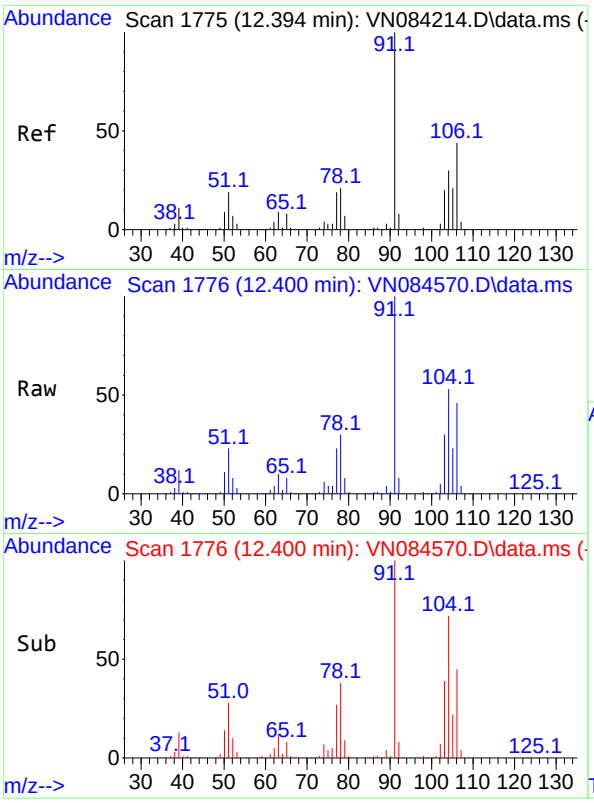


#68
m/p-Xylenes
Concen: 208.419 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:106 Resp: 832448

Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.1	250.7



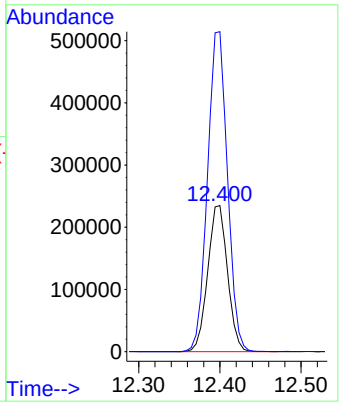


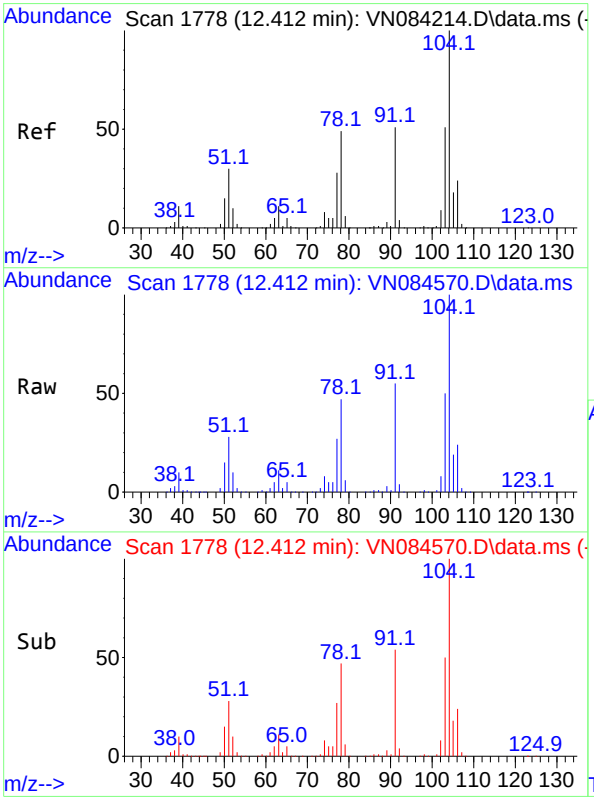
#69
o-Xylene
Concen: 106.372 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 397449

Ion	Ratio	Lower	Upper
106	100		
91	220.8	110.2	330.6

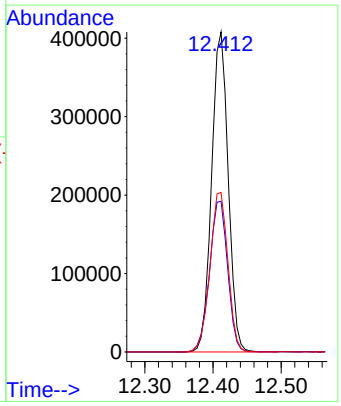


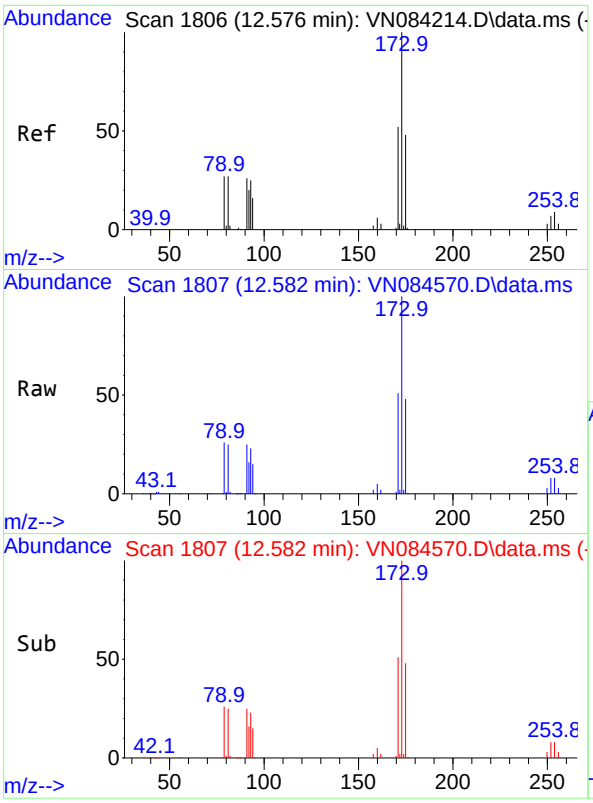


#70
Styrene
Concen: 106.042 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



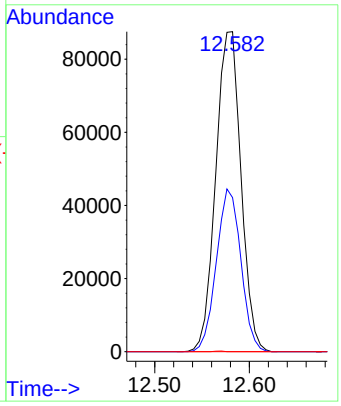


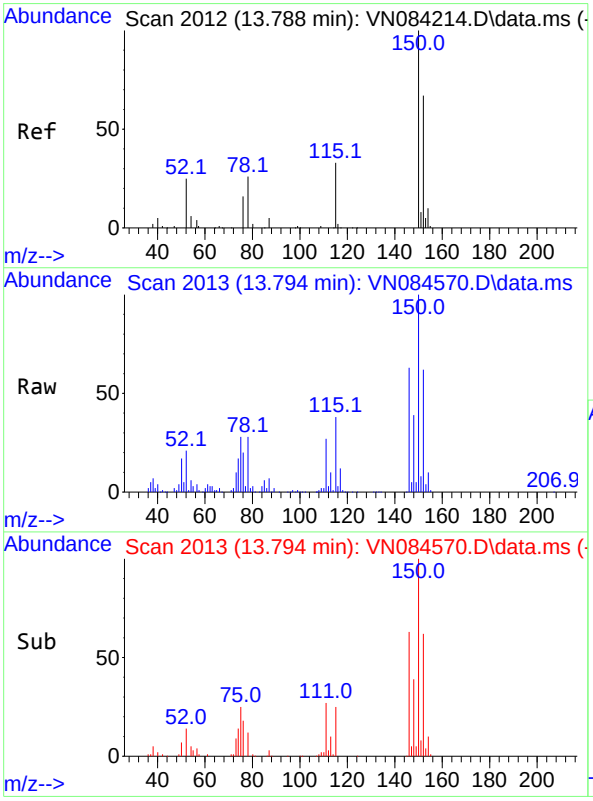
#71
Bromoform
Concen: 98.044 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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#

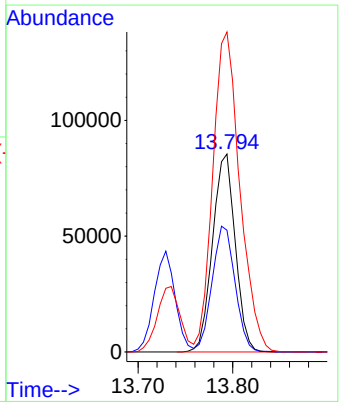


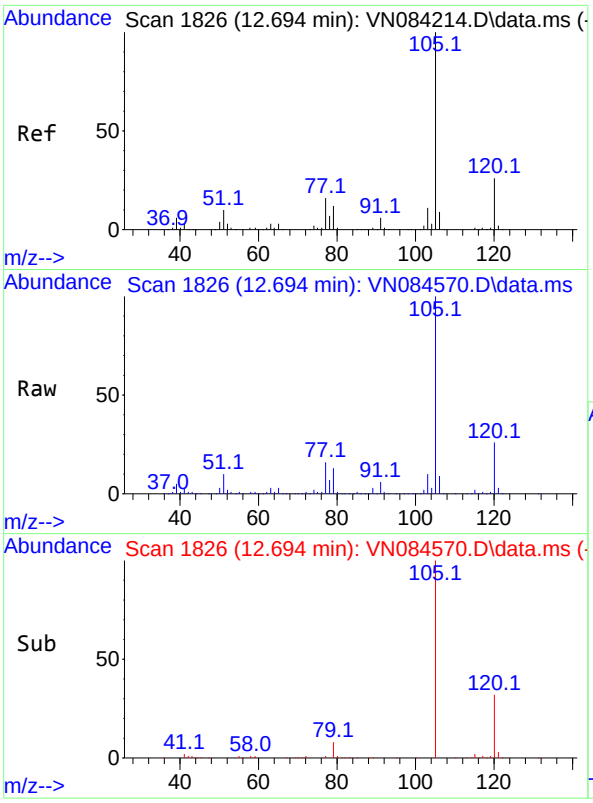


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



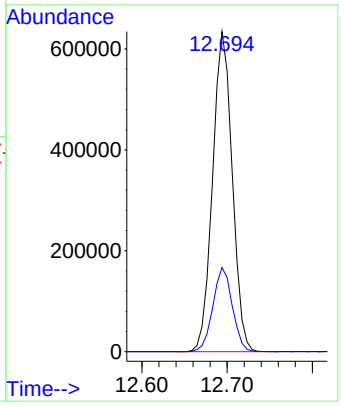


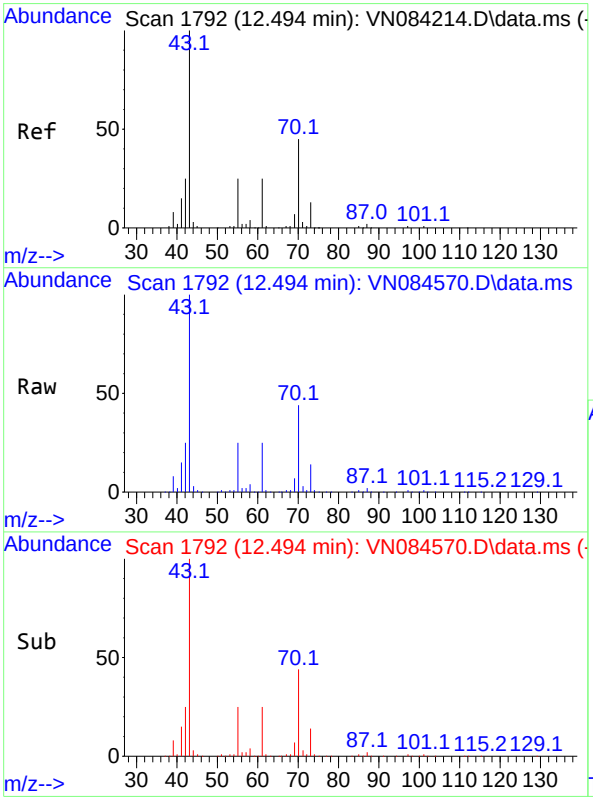
#73
Isopropylbenzene
Concen: 101.533 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1015352

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

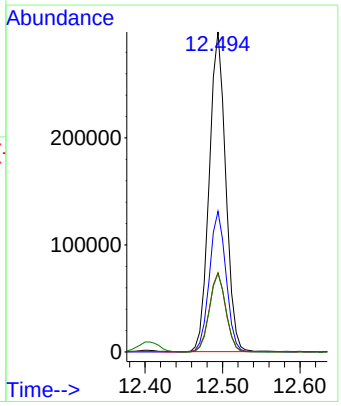


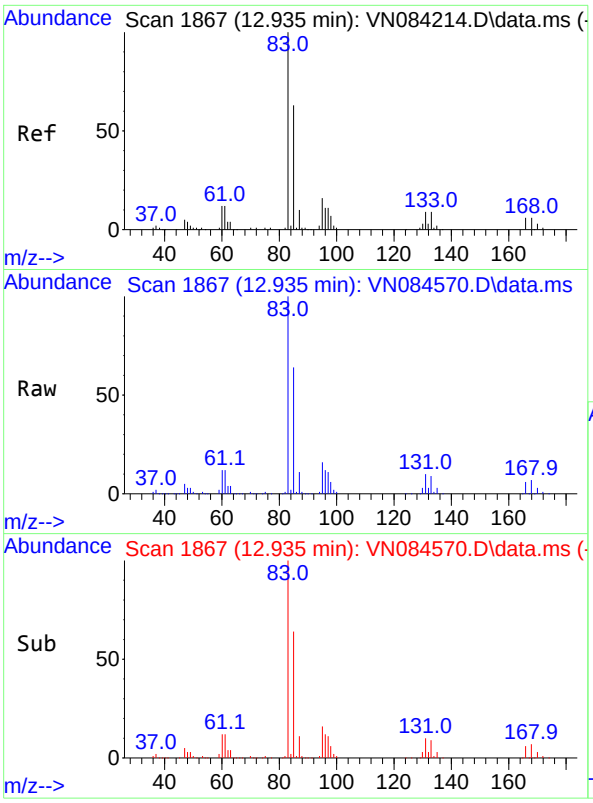


#74
N-amyl acetate
Concen: 103.666 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



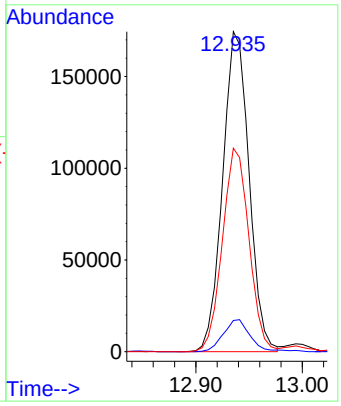


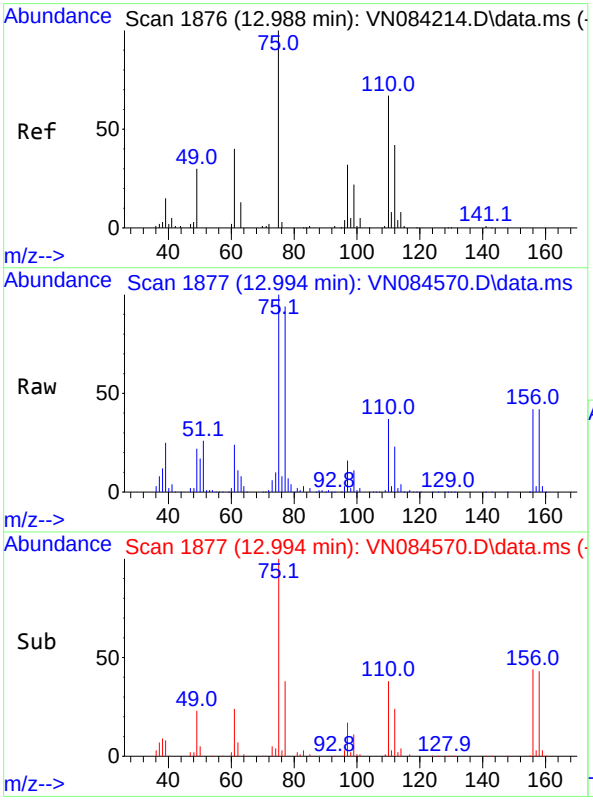
#75
1,1,2,2-Tetrachloroethane
Concen: 89.924 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

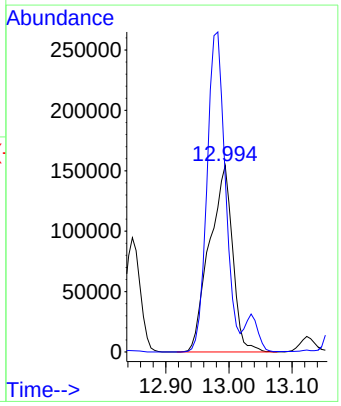


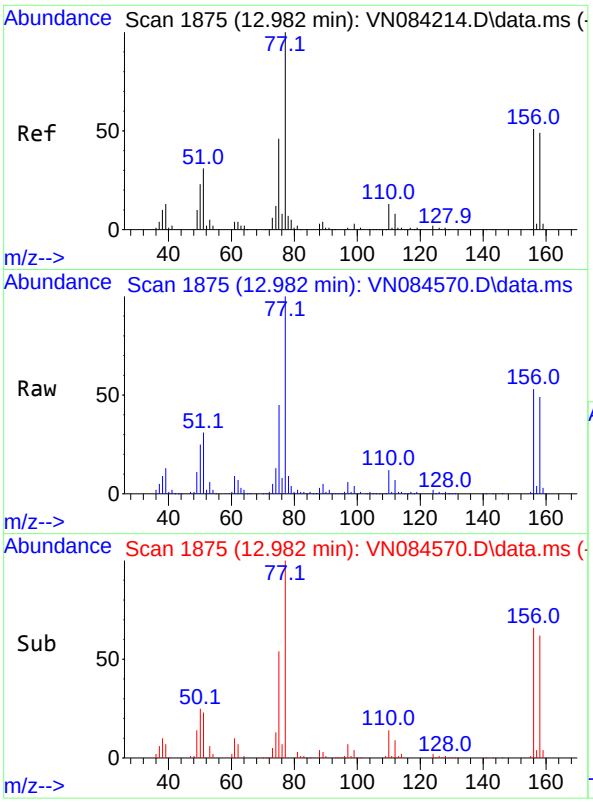


#76
1,2,3-Trichloropropane
Concen: 140.005 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 75 Resp: 394250

Ion	Ratio	Lower	Upper
75	100		
77	135.2	96.9	290.7



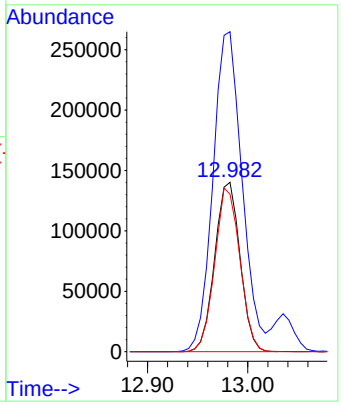


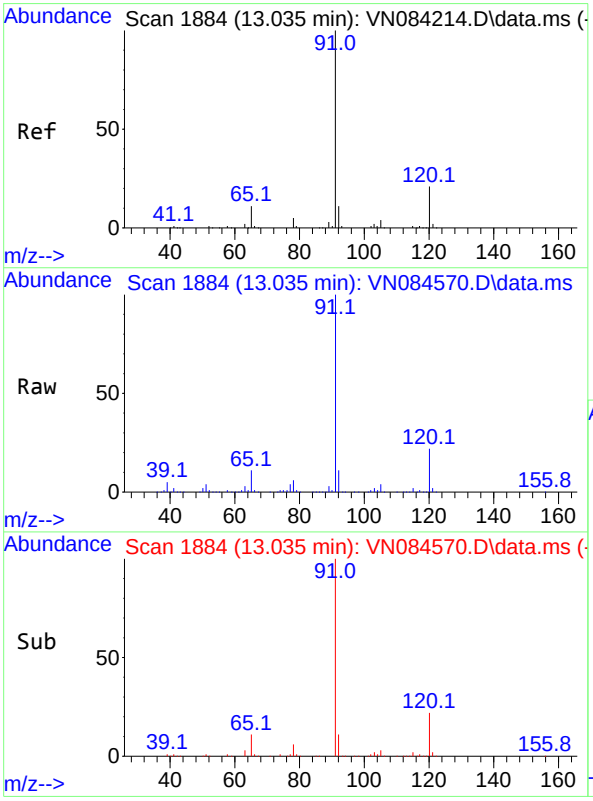
#77
Bromobenzene
Concen: 91.341 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

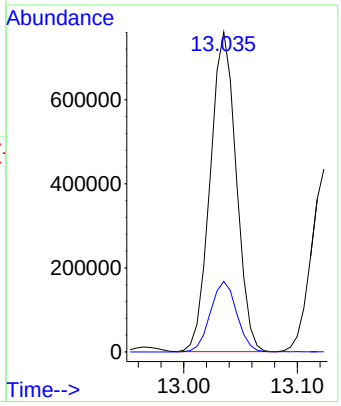


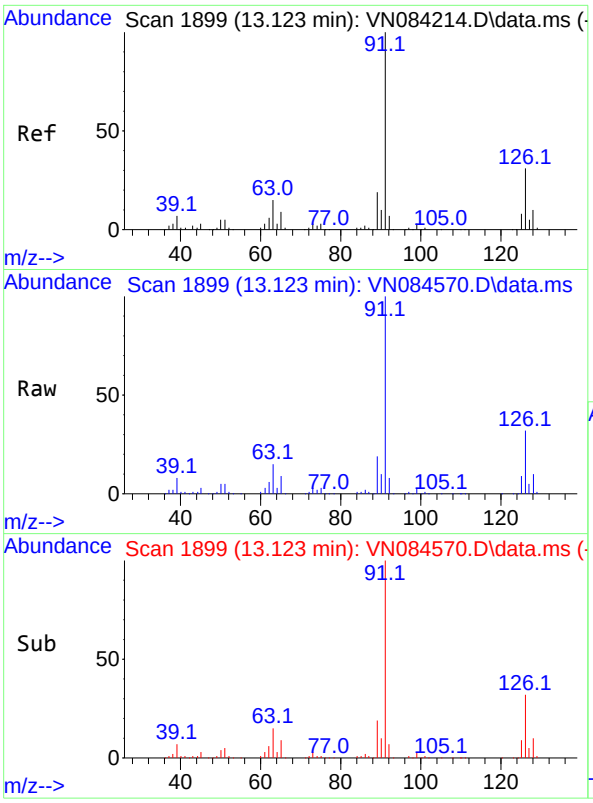


#78
n-propylbenzene
Concen: 103.100 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 1208185

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



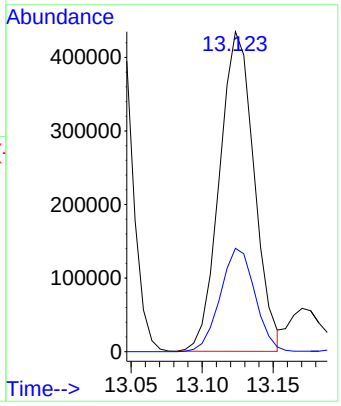


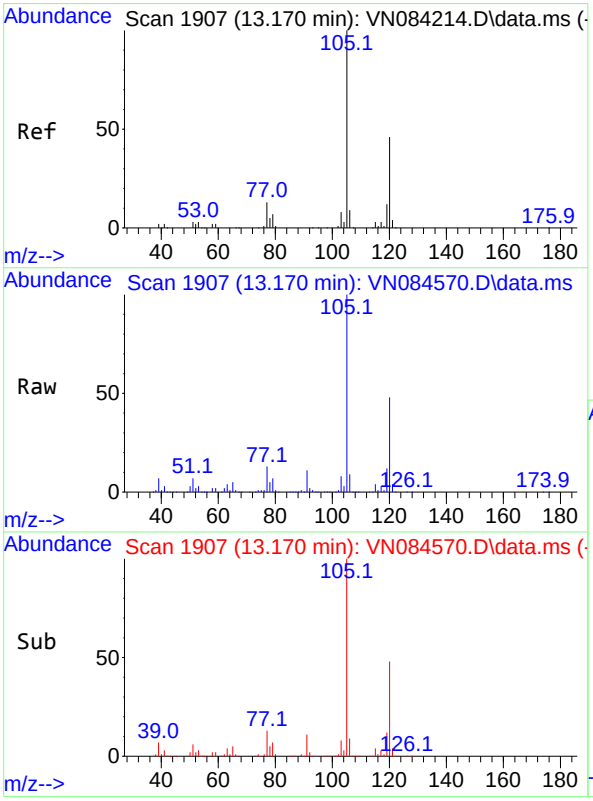
#79
2-Chlorotoluene
Concen: 96.217 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 736738

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

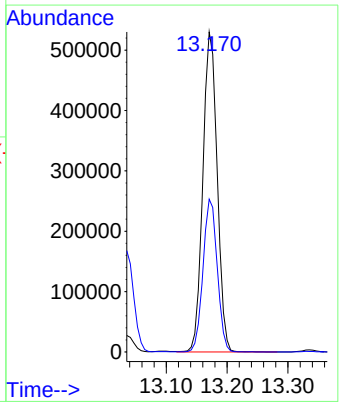


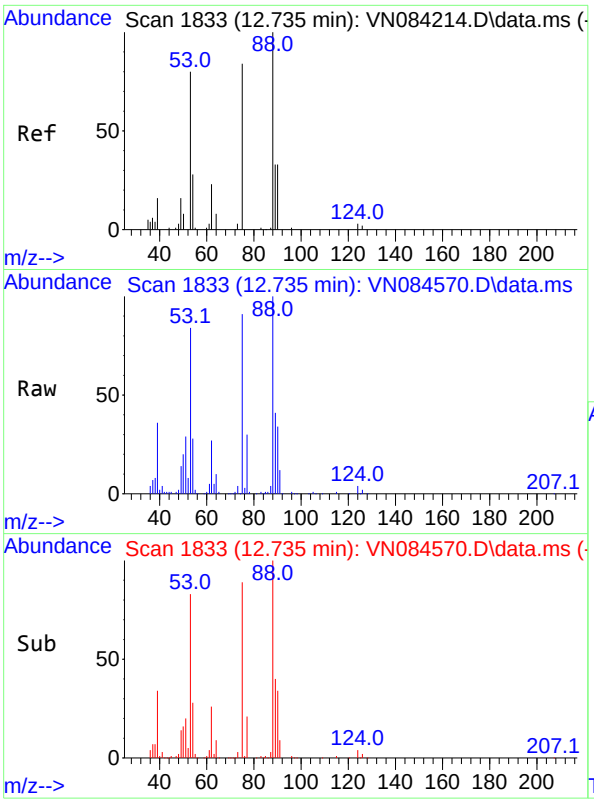


#80
1,3,5-Trimethylbenzene
Concen: 104.573 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 866736

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



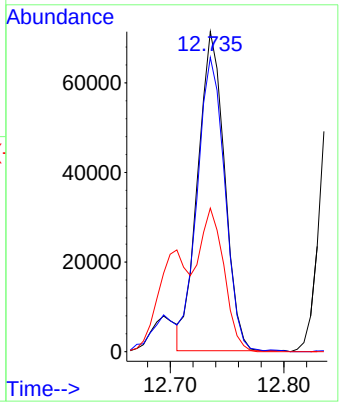


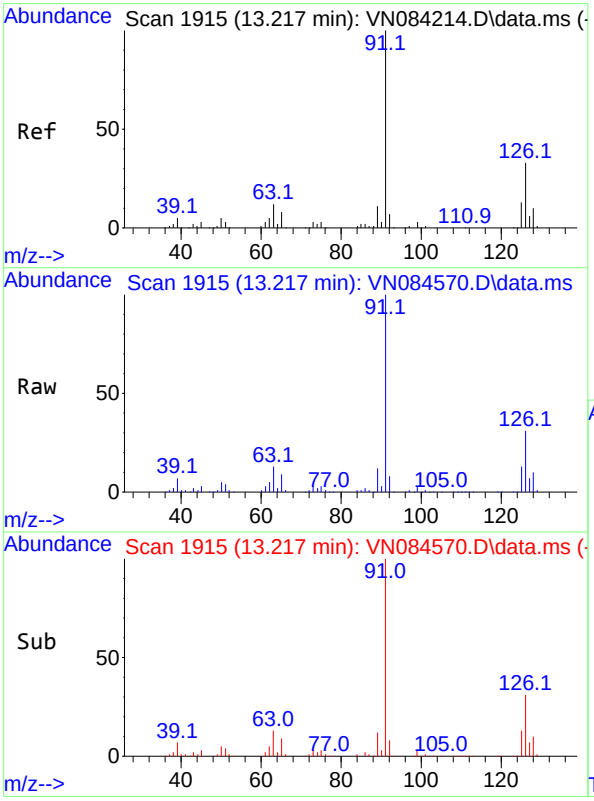
#81
trans-1,4-Dichloro-2-butene
Concen: 96.347 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

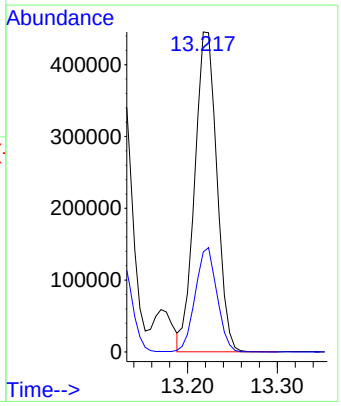


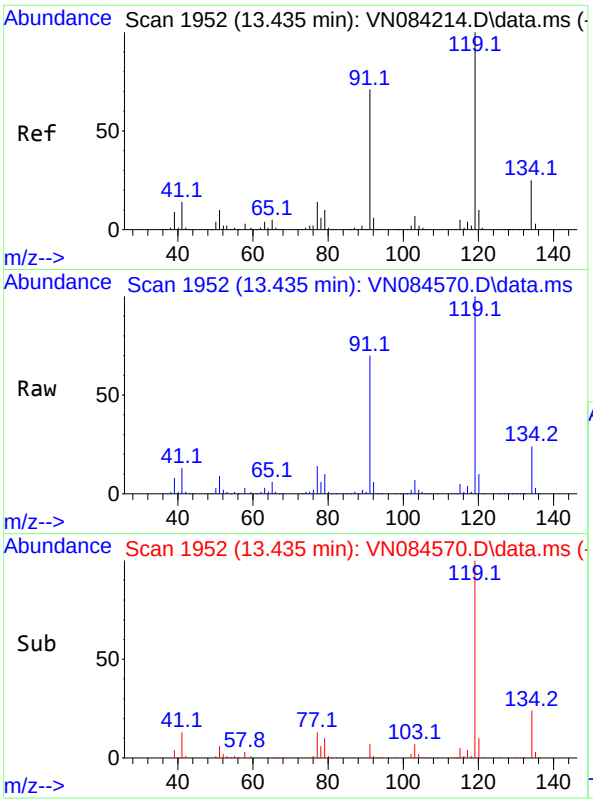


#82
4-Chlorotoluene
Concen: 94.462 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion: 91 Resp: 761196

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1



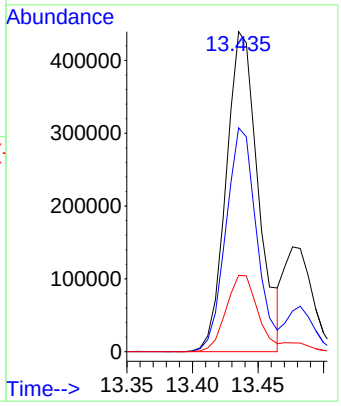


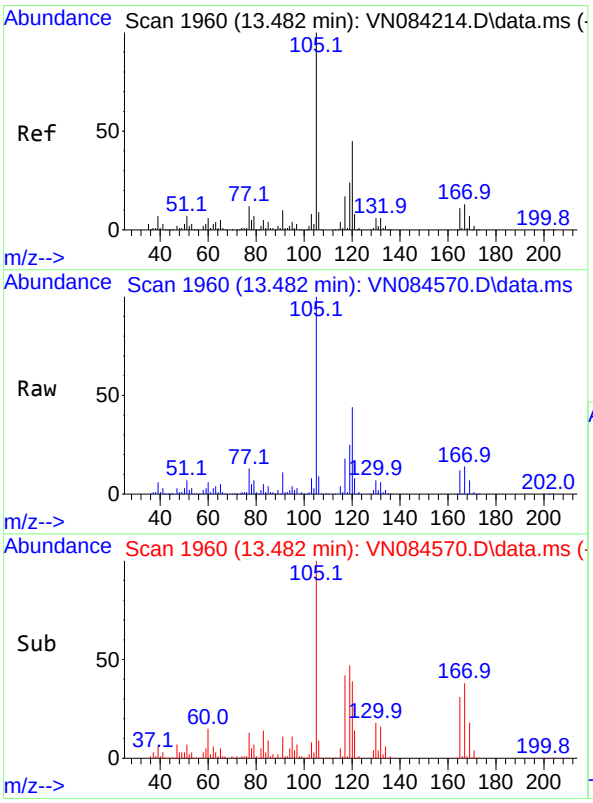
#83
tert-Butylbenzene
Concen: 108.888 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

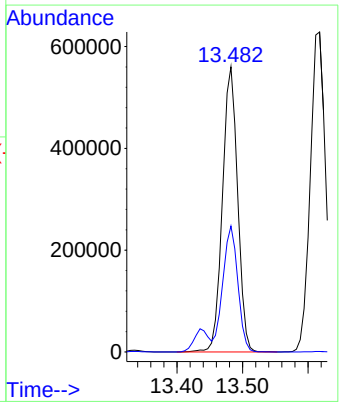


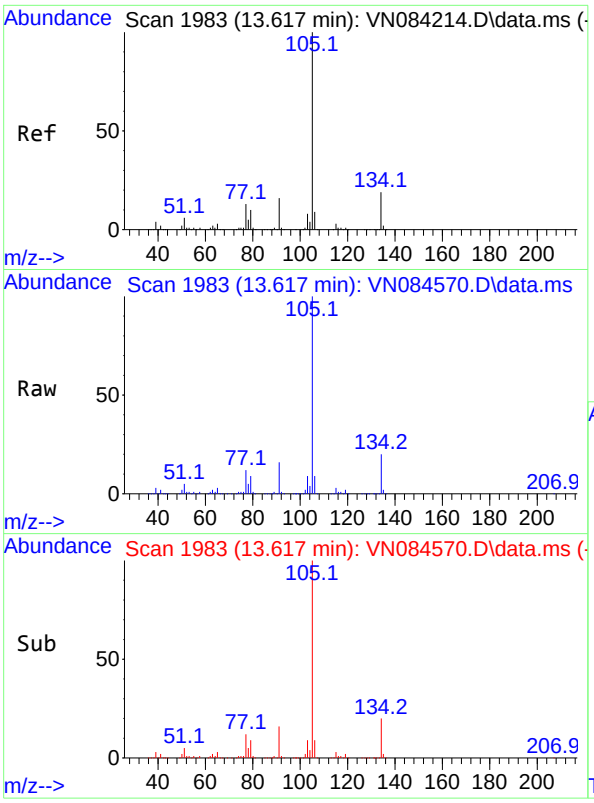


#84
1,2,4-Trimethylbenzene
Concen: 105.136 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:105 Resp: 899374

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



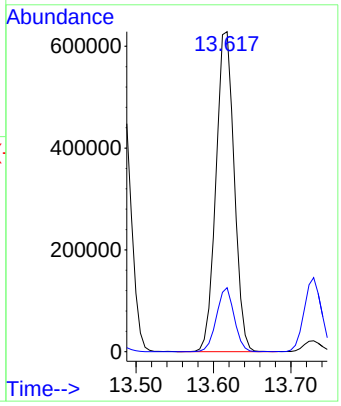


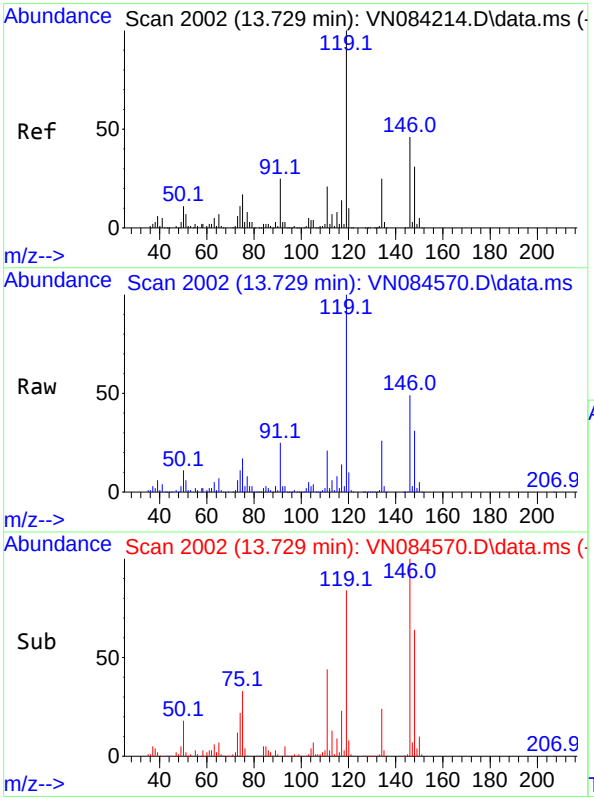
#85
sec-Butylbenzene
Concen: 106.032 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1027413

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

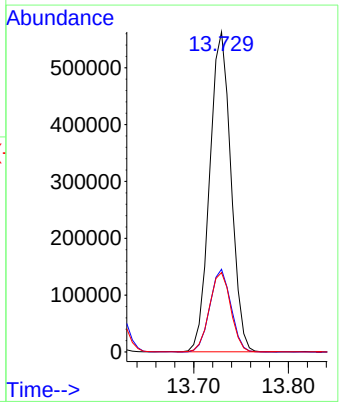


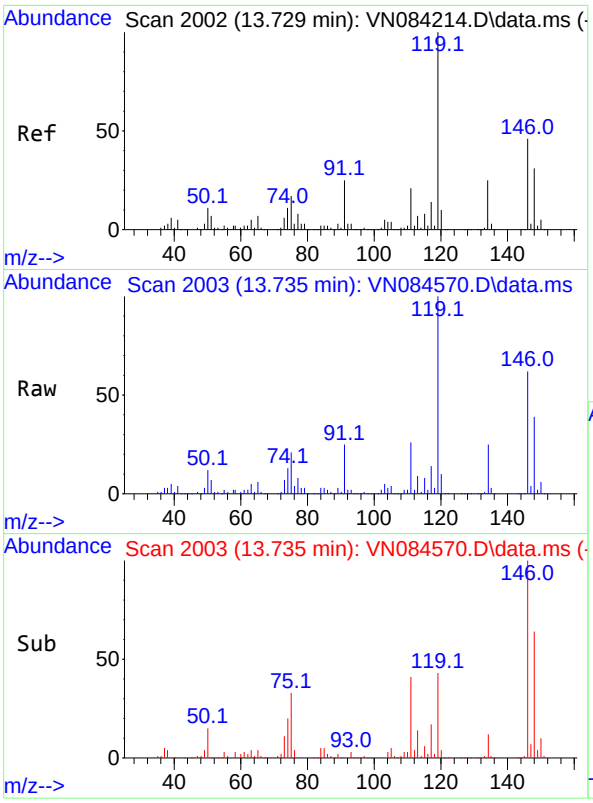


#86
p-Isopropyltoluene
Concen: 110.451 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



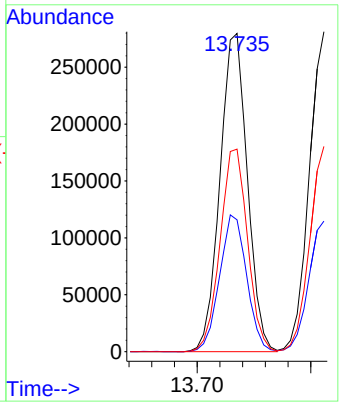


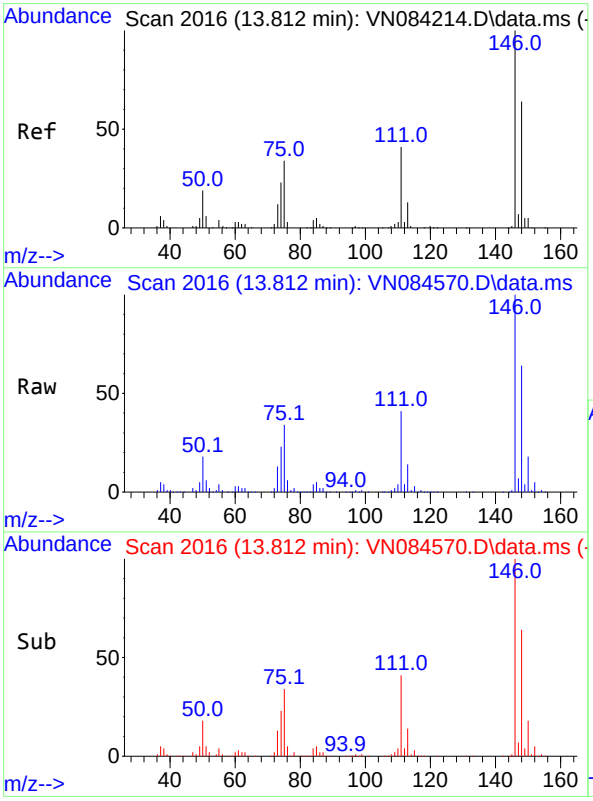
#87
1,3-Dichlorobenzene
Concen: 89.320 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

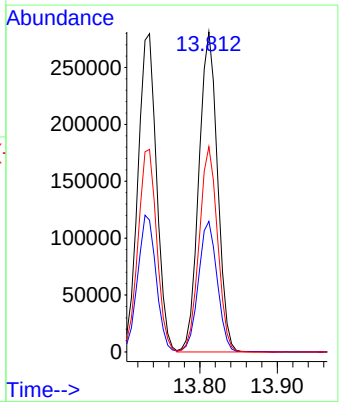


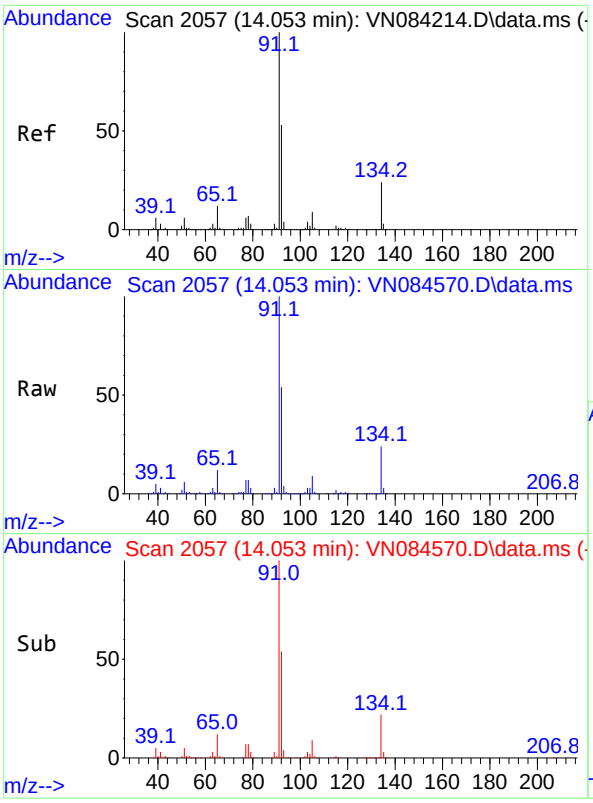


#88
1,4-Dichlorobenzene
Concen: 100.067 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



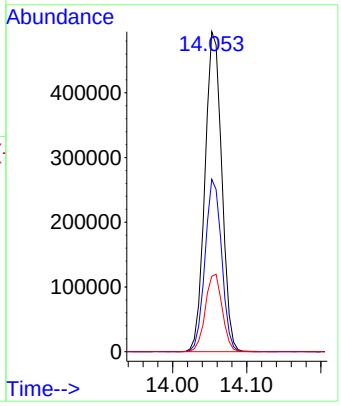


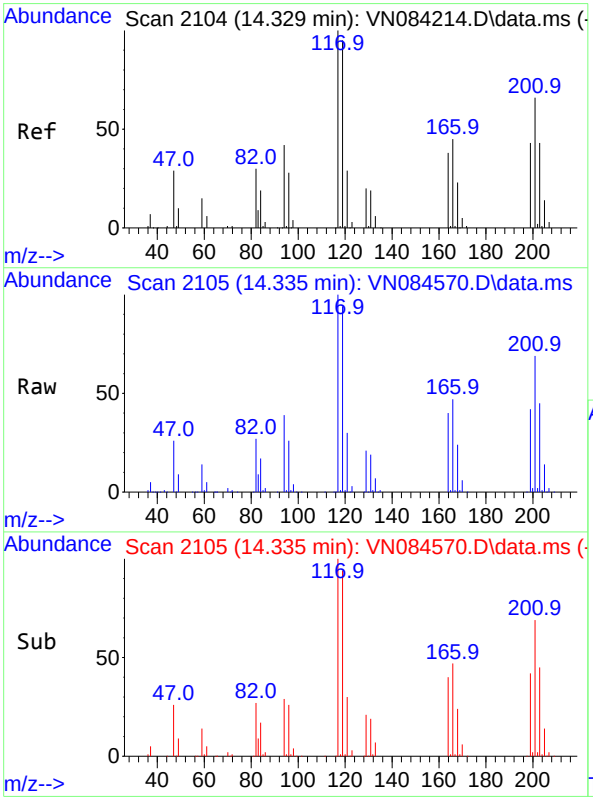
#89
n-Butylbenzene
Concen: 104.727 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

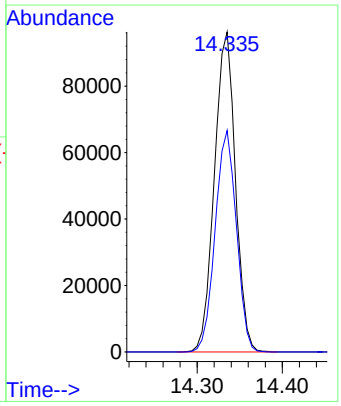


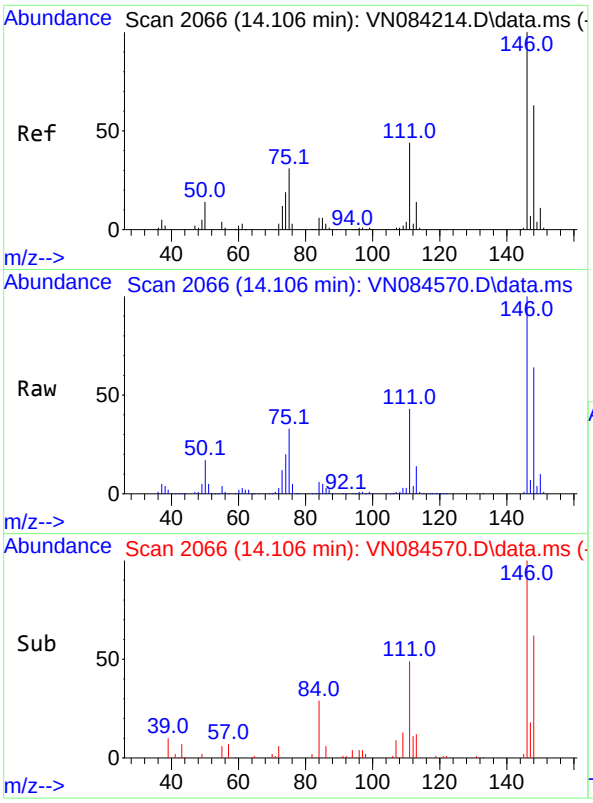


#90
Hexachloroethane
Concen: 93.123 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

Tgt Ion:117 Resp: 165030

Ion	Ratio	Lower	Upper
117	100		
201	69.8	34.4	103.2



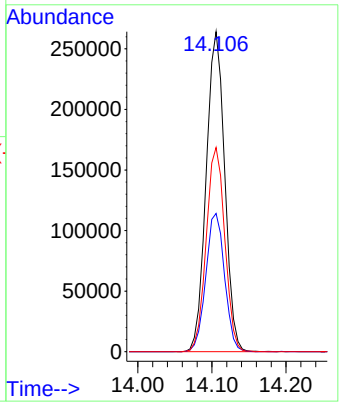


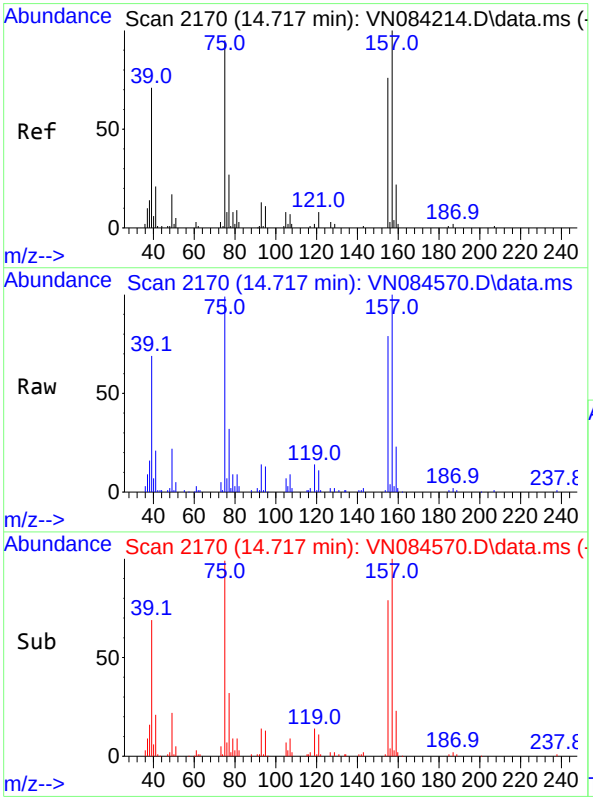
#91
1,2-Dichlorobenzene
Concen: 90.631 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

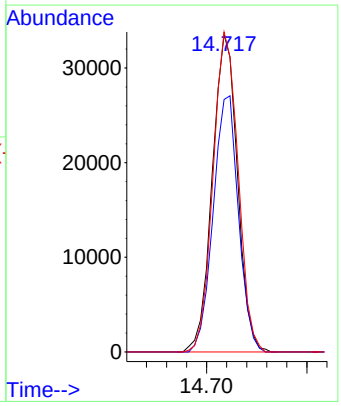


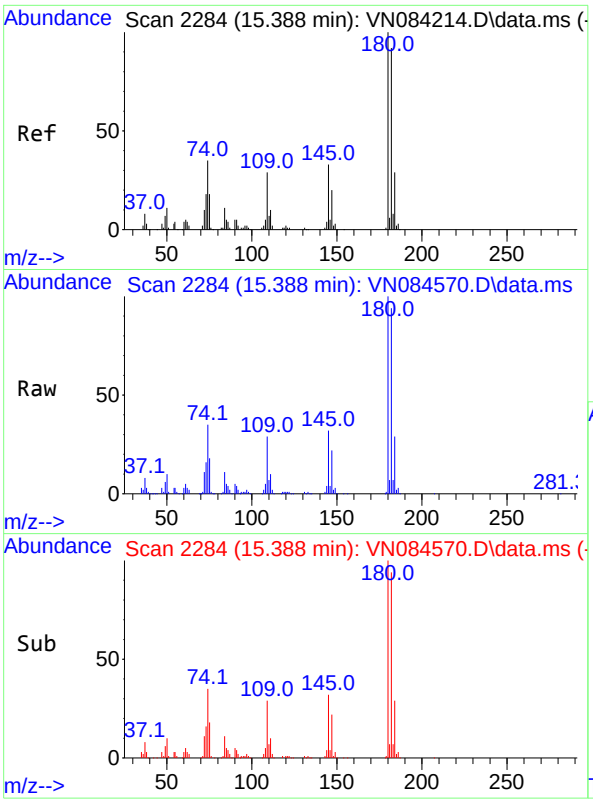


#92
1,2-Dibromo-3-Chloropropane
Concen: 86.136 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



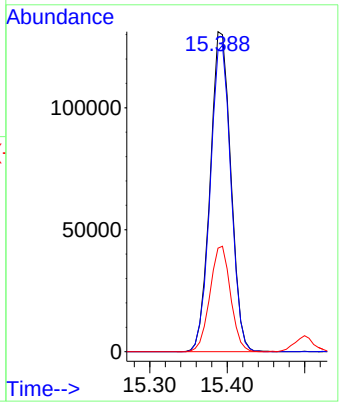


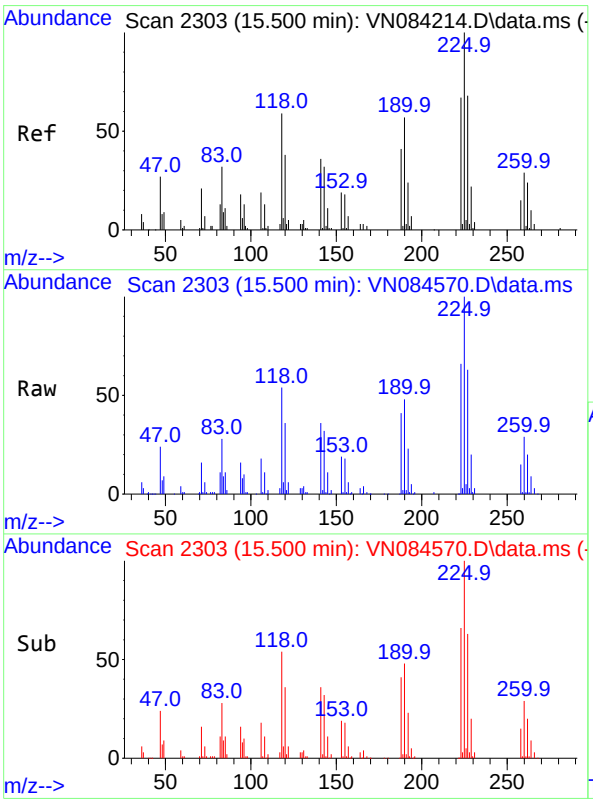
#93
1,2,4-Trichlorobenzene
Concen: 88.091 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

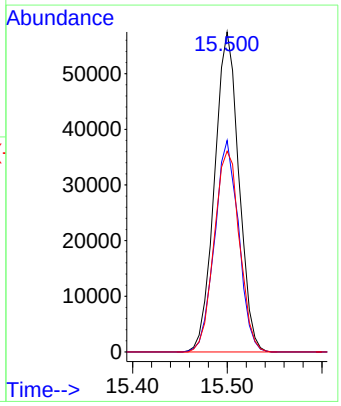


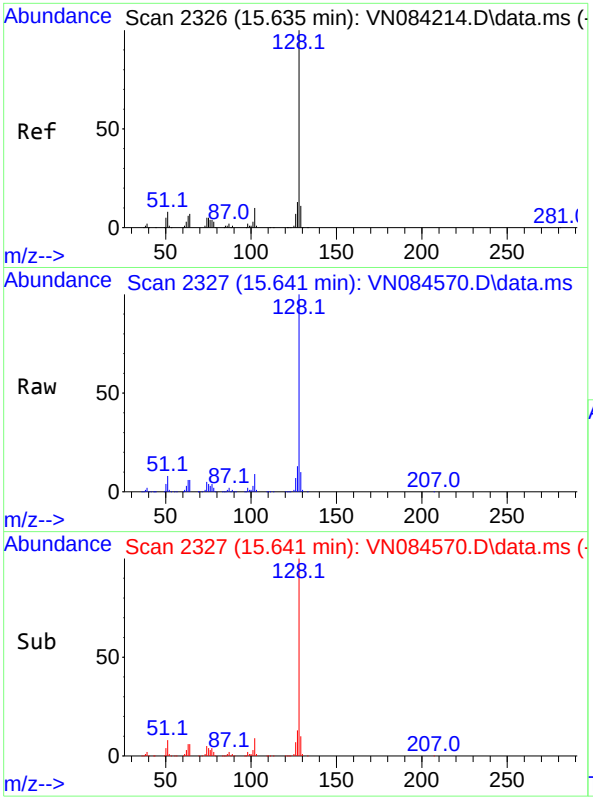


#94
Hexachlorobutadiene
Concen: 84.631 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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



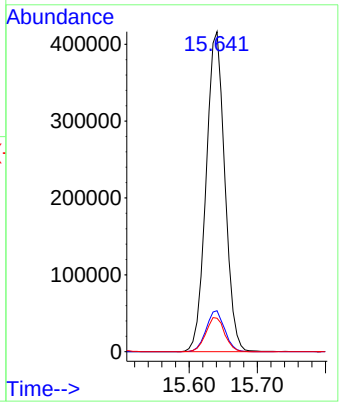


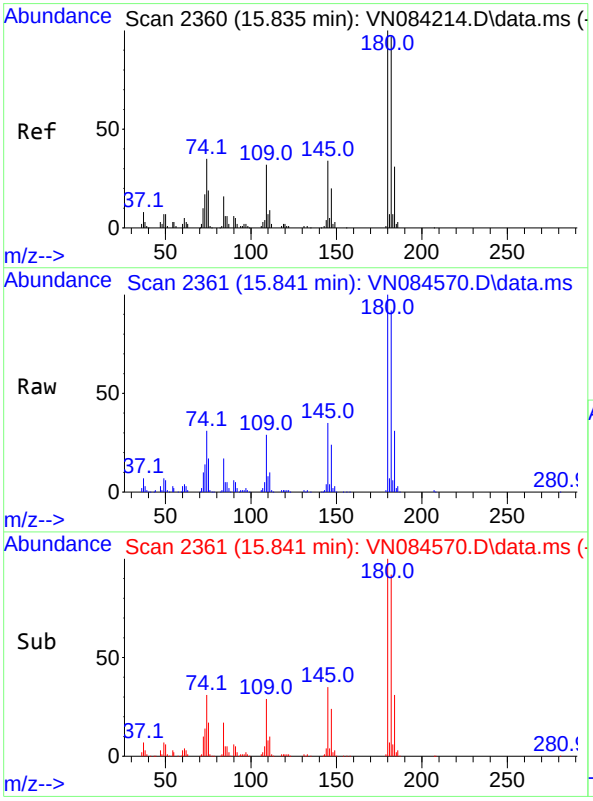
#95
Naphthalene
Concen: 95.997 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

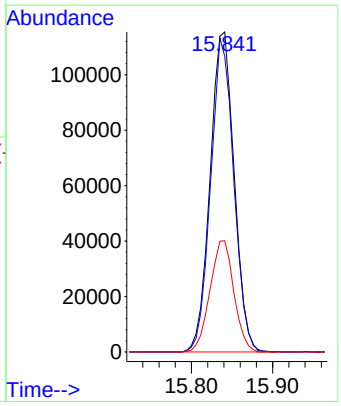




#96
1,2,3-Trichlorobenzene
Concen: 88.667 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084570.D
Acq: 30 Oct 2024 11:46

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

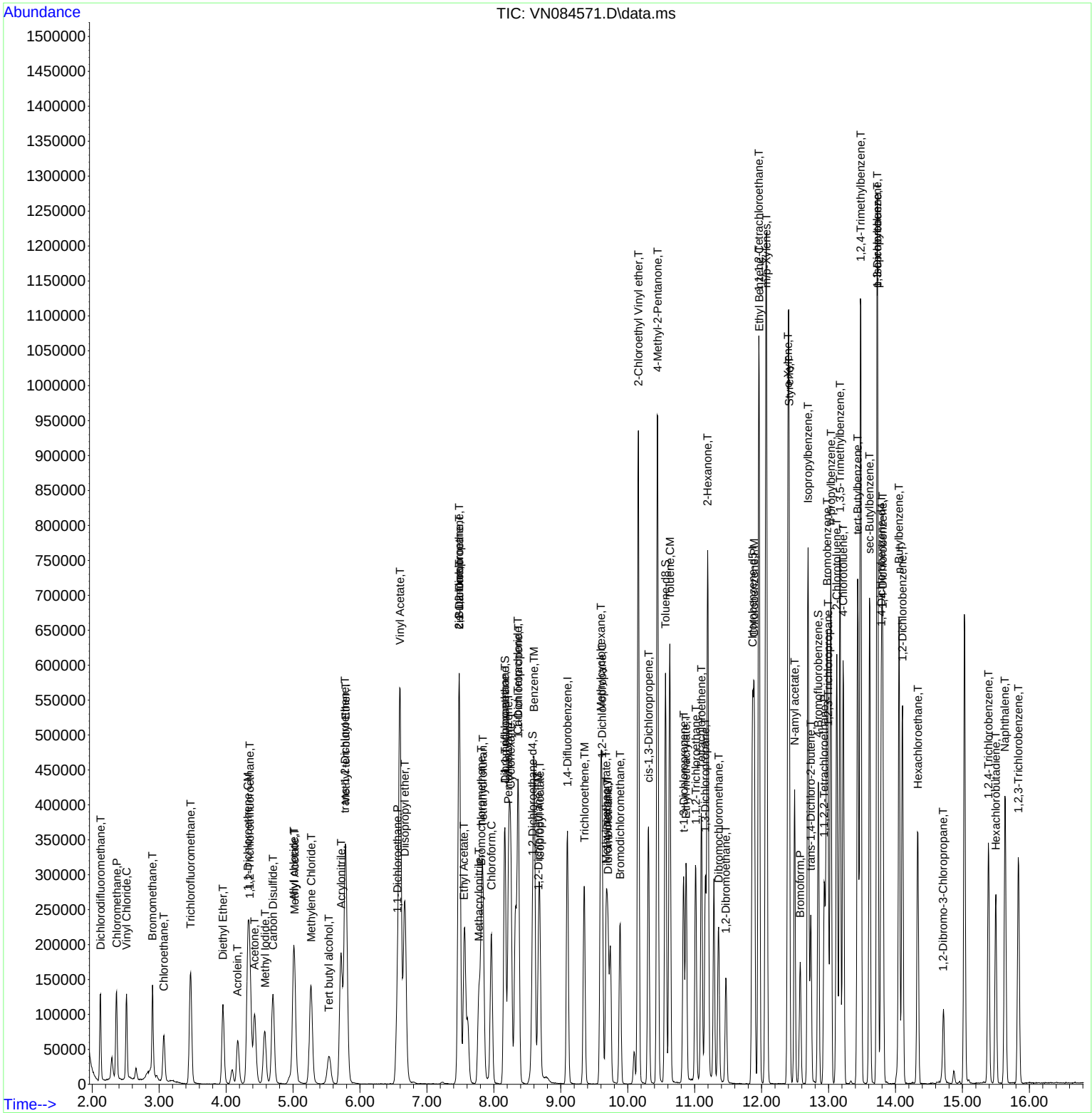
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

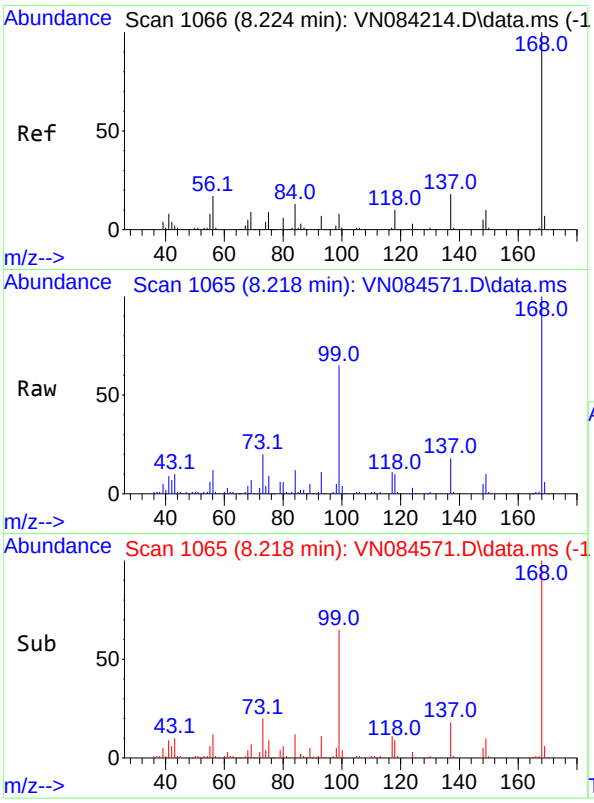
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



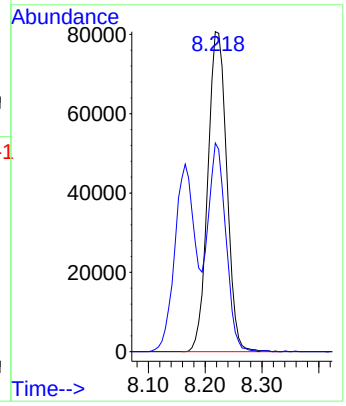


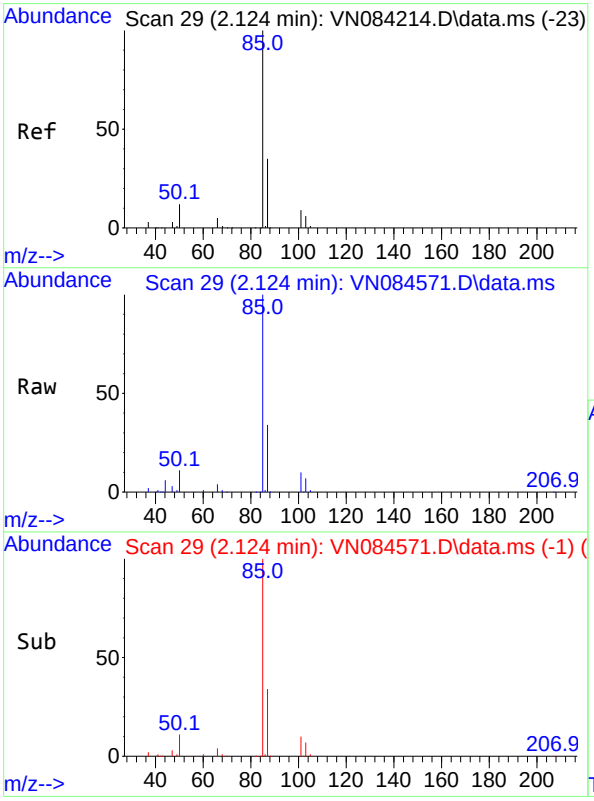
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 186594

Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.2	81.2

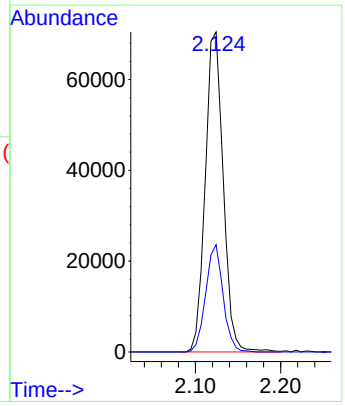


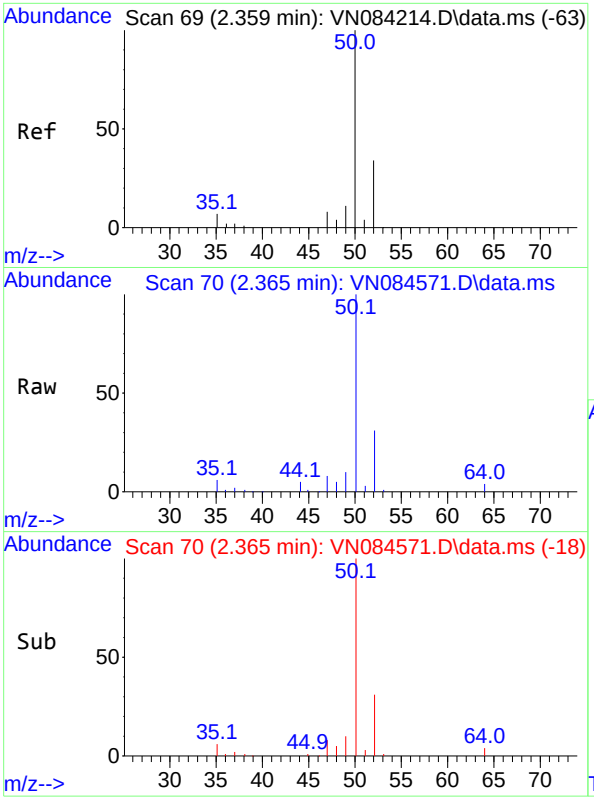


#2
Dichlorodifluoromethane
Concen: 48.061 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 85 Resp: 103092

Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.6	52.9



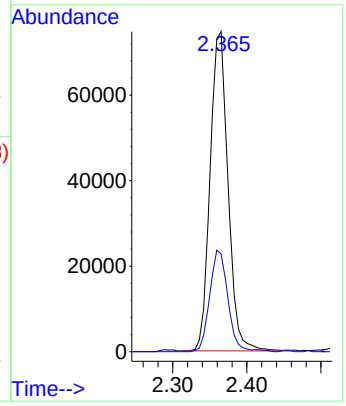


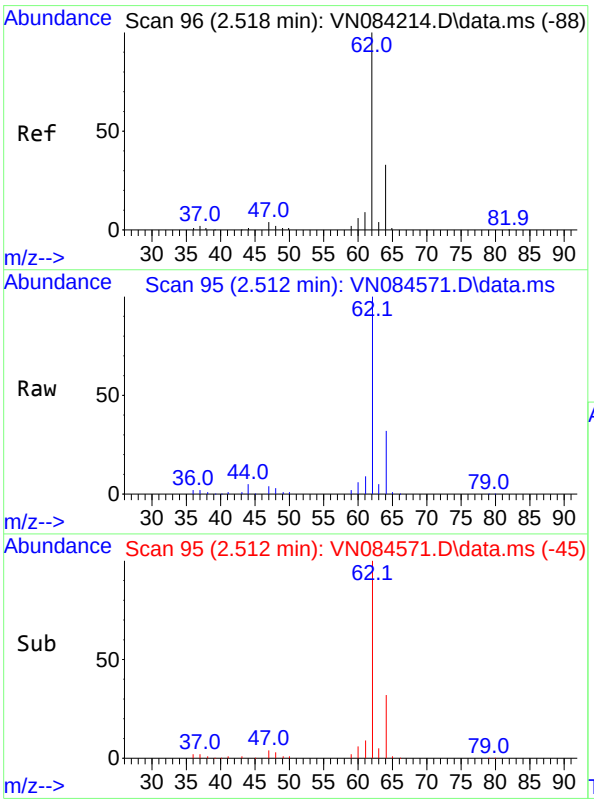
#3
Chloromethane
Concen: 49.788 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 125344

Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.8	40.2

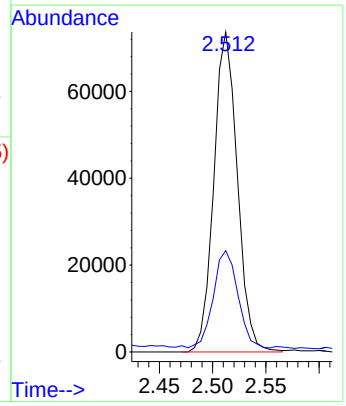


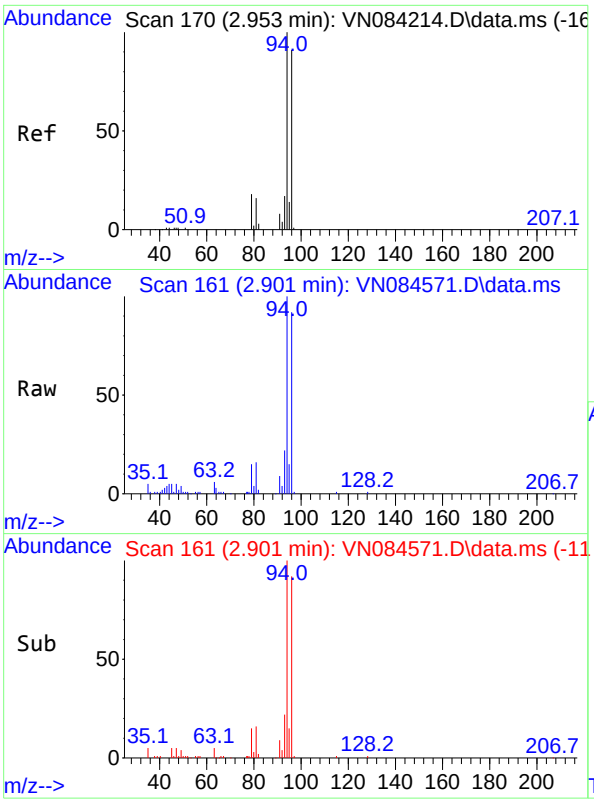


#4
Vinyl Chloride
Concen: 48.962 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 112961

Ion	Ratio	Lower	Upper
62	100		
64	30.1	26.2	39.4



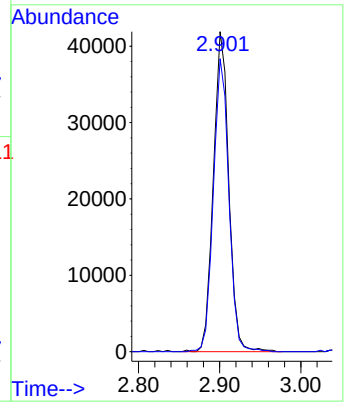


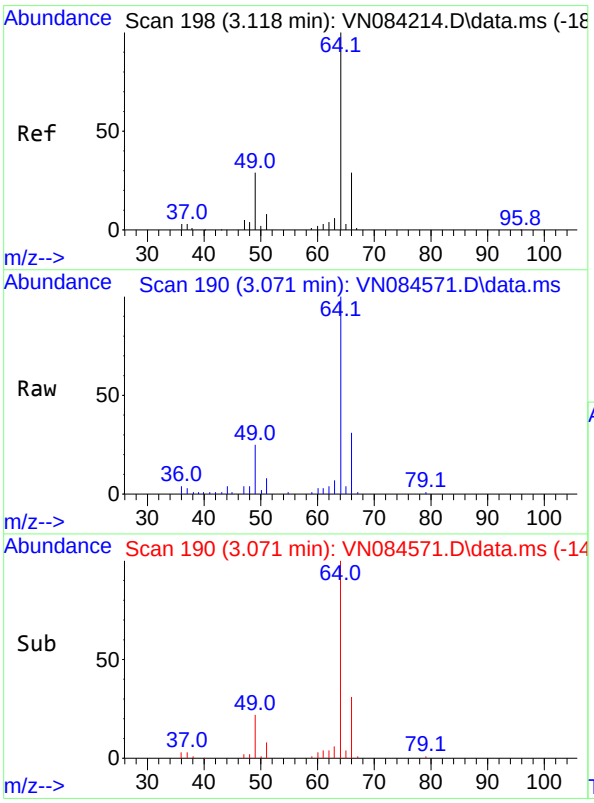
#5
Bromomethane
Concen: 45.153 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 55194

Ion	Ratio	Lower	Upper
94	100		
96	91.5	72.9	109.3

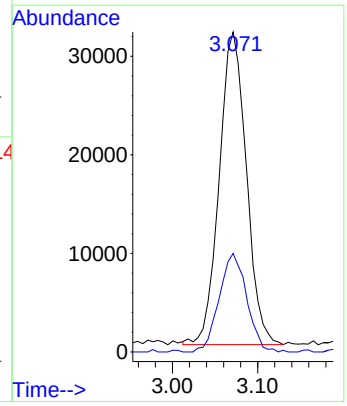


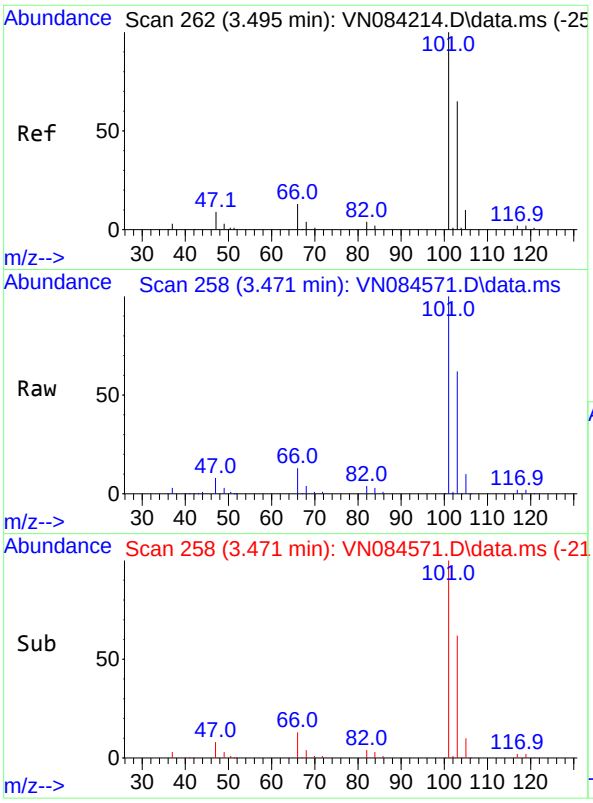


#6
Chloroethane
Concen: 49.078 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 64 Resp: 70126

Ion	Ratio	Lower	Upper
64	100		
66	31.5	23.5	35.3



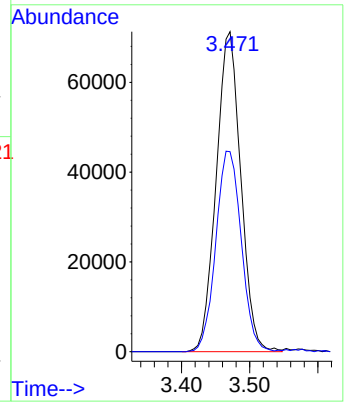


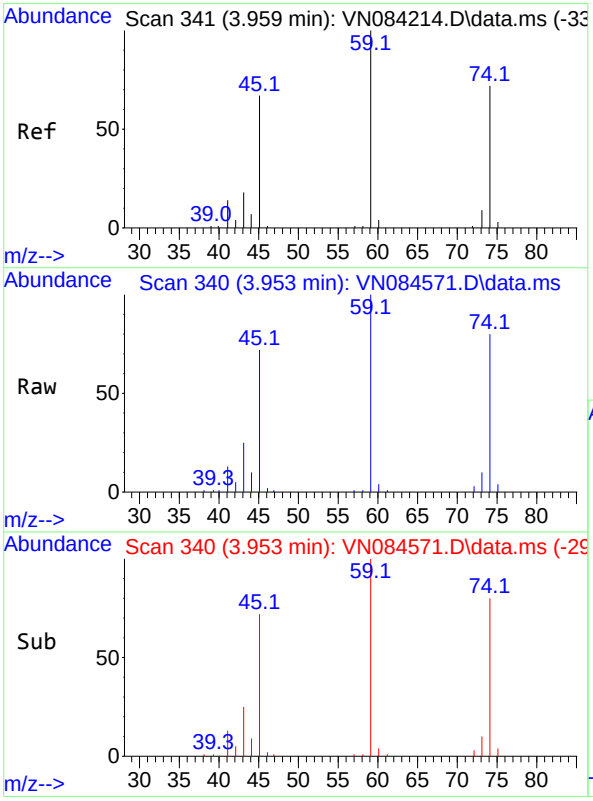
#7
Trichlorofluoromethane
Concen: 47.086 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 178947

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.8	77.6

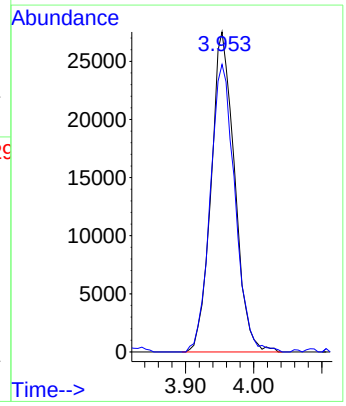


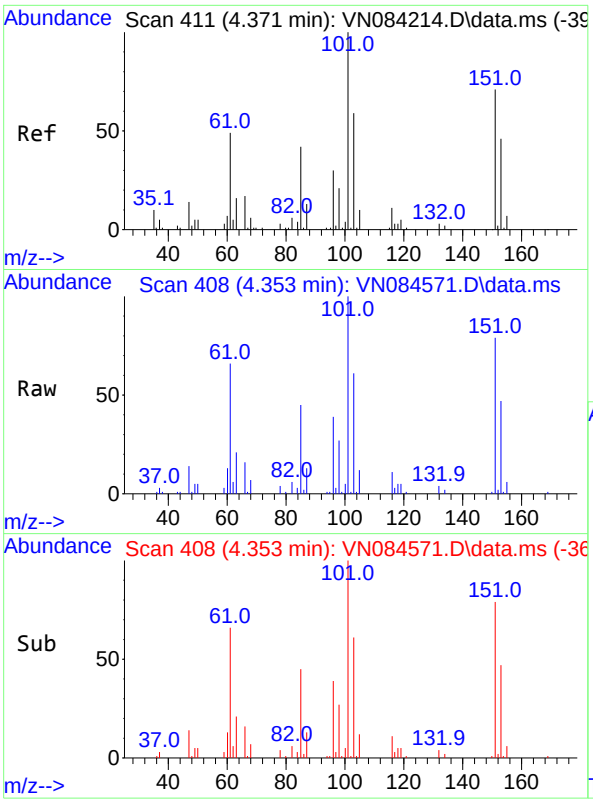


#8
Diethyl Ether
Concen: 49.190 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 74 Resp: 65946

Ion	Ratio	Lower	Upper
74	100		
45	94.5	47.7	143.1



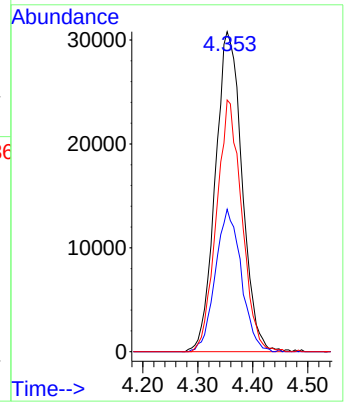


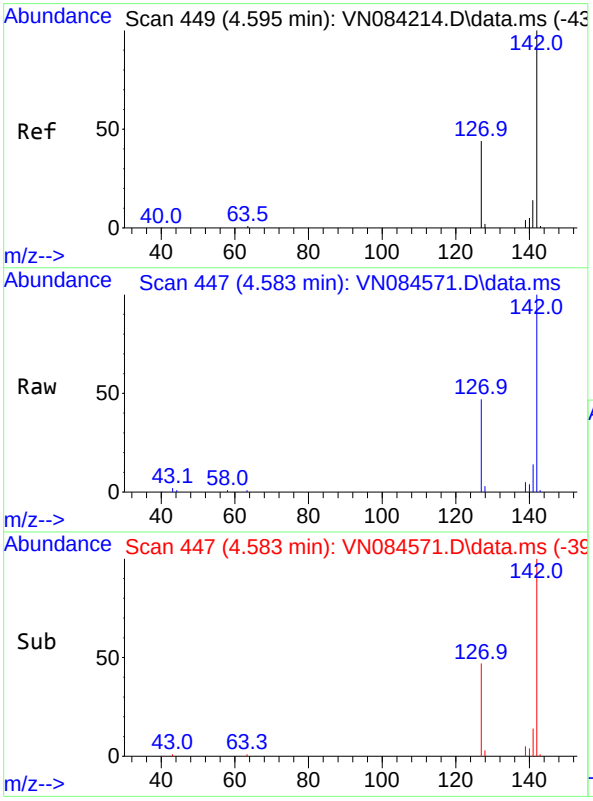
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.366 ug/l
RT: 4.353 min Scan# 4
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

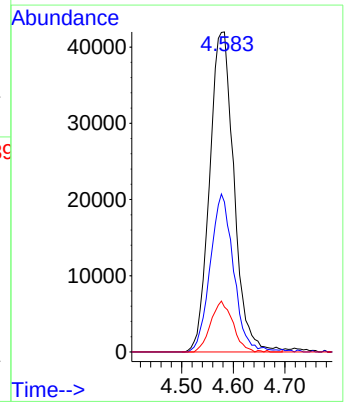


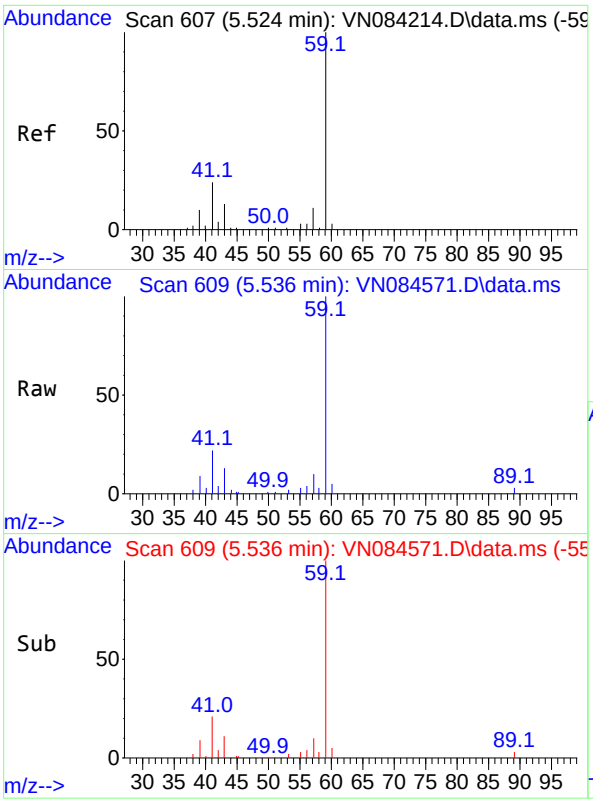


#10
Methyl Iodide
Concen: 47.829 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



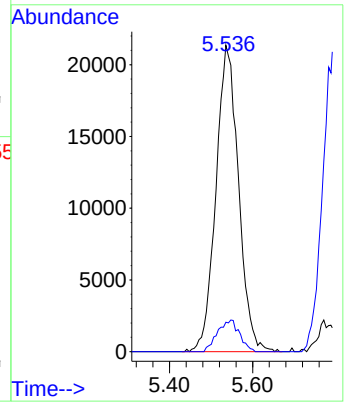


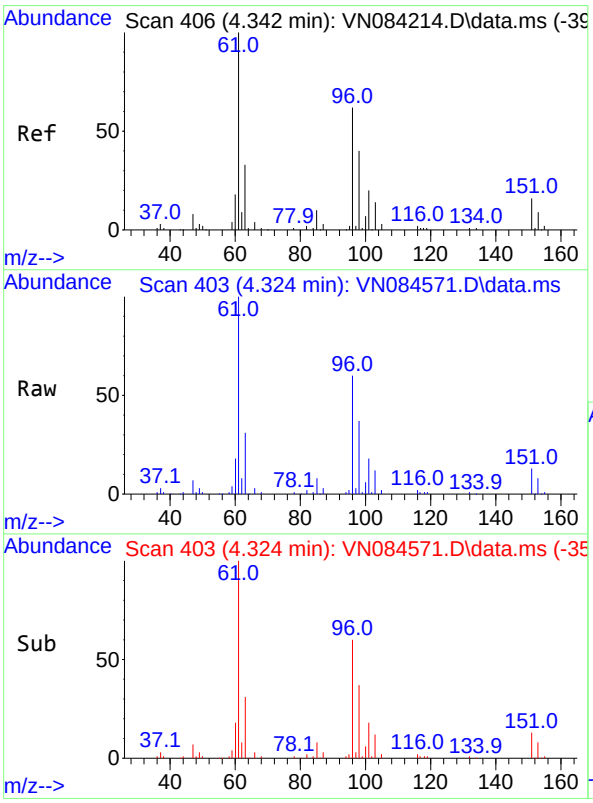
#11
Tert butyl alcohol
Concen: 226.565 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 80598

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

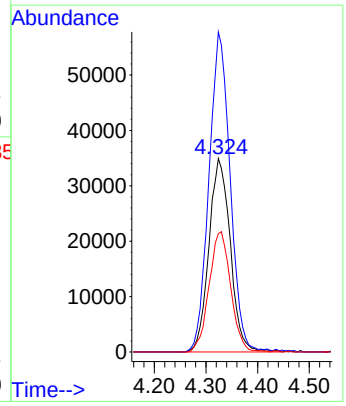


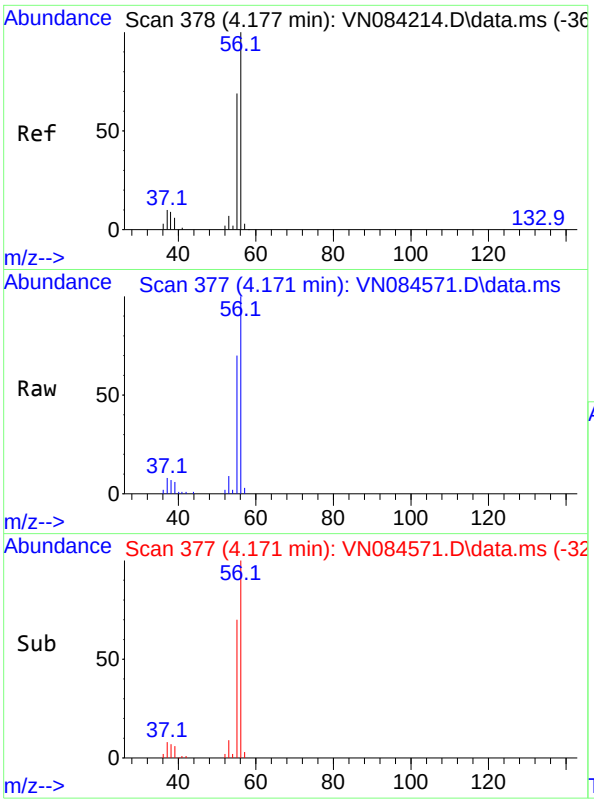


#12
1,1-Dichloroethene
Concen: 47.270 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



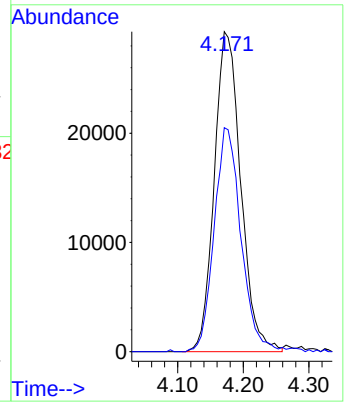


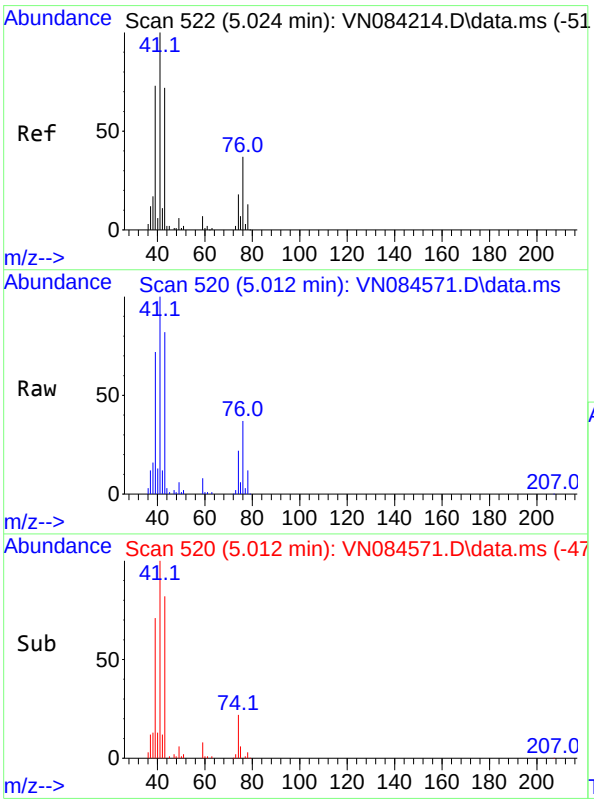
#13
Acrolein
Concen: 231.524 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 82129

Ion	Ratio	Lower	Upper
56	100		
55	70.8	57.2	85.8

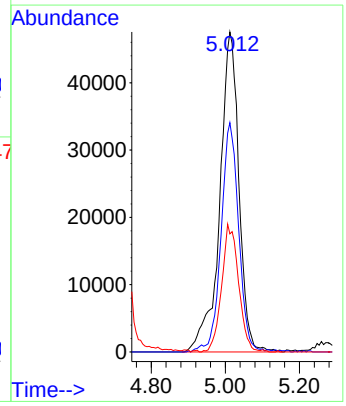


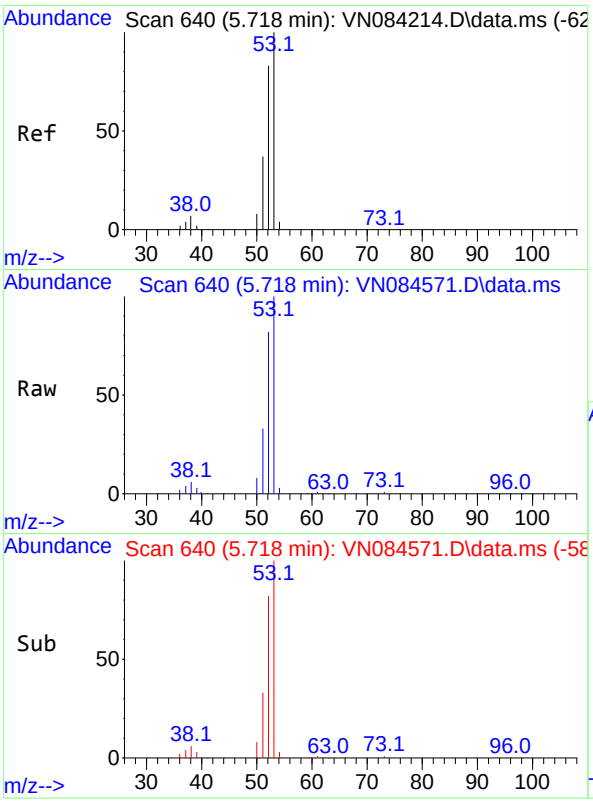


#14
Allyl chloride
Concen: 49.635 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



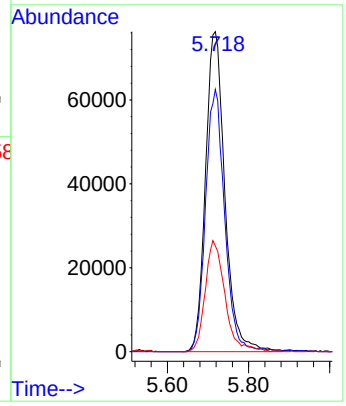


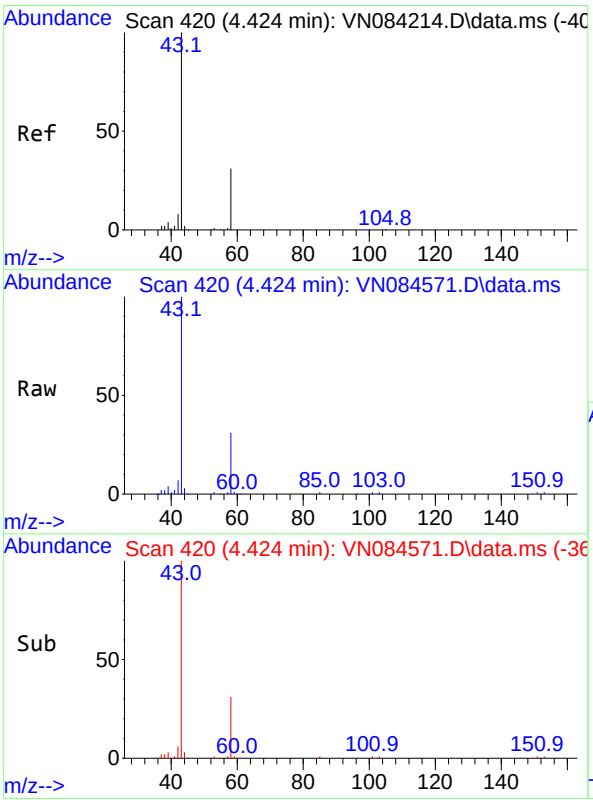
#15
Acrylonitrile
Concen: 245.525 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

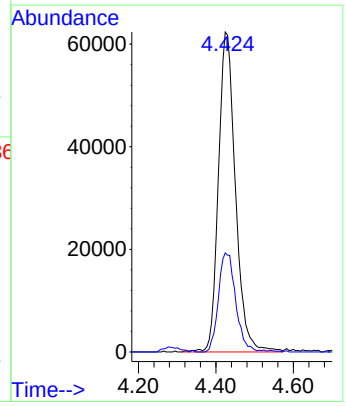


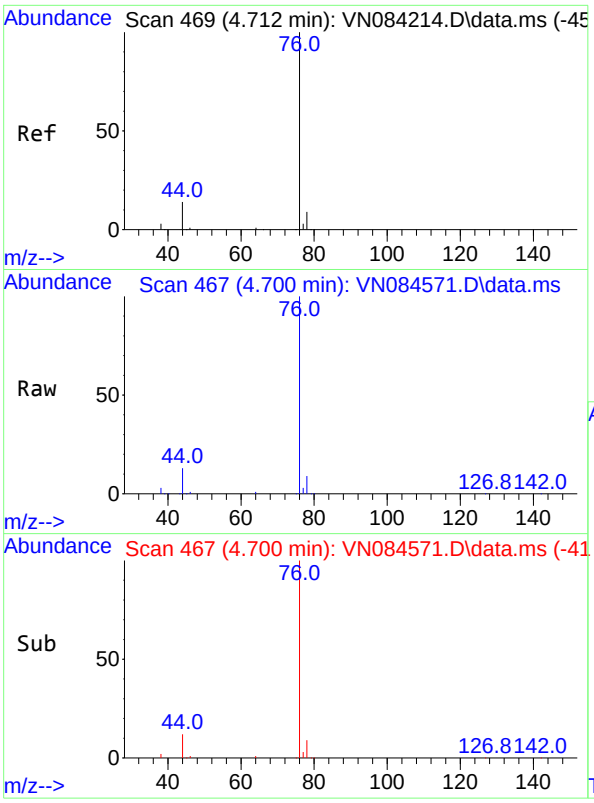


#16
Acetone
Concen: 243.925 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 189949

Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.4	36.6



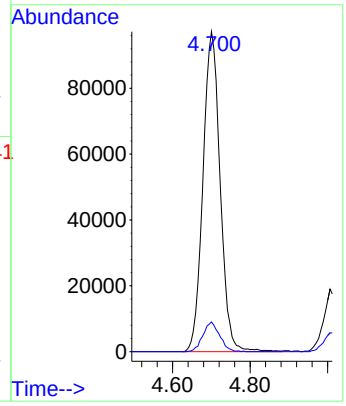


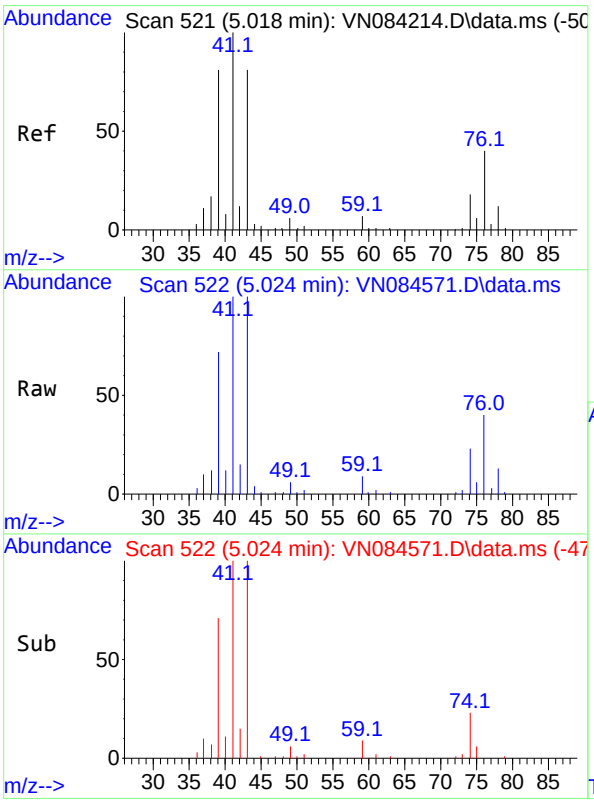
#17
Carbon Disulfide
Concen: 45.698 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 299041

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

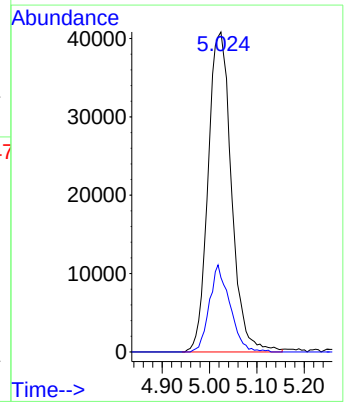


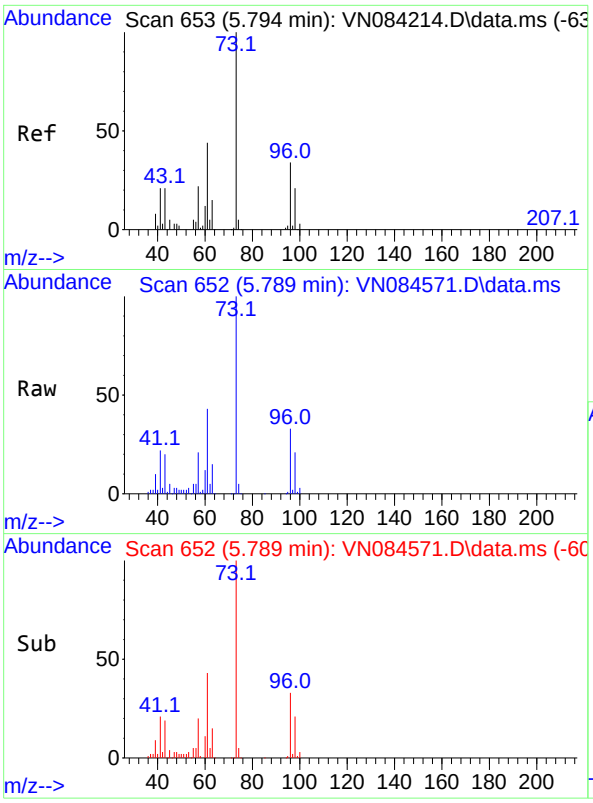


#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 43 Resp: 139826

Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8



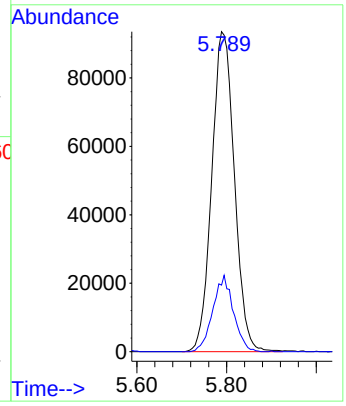


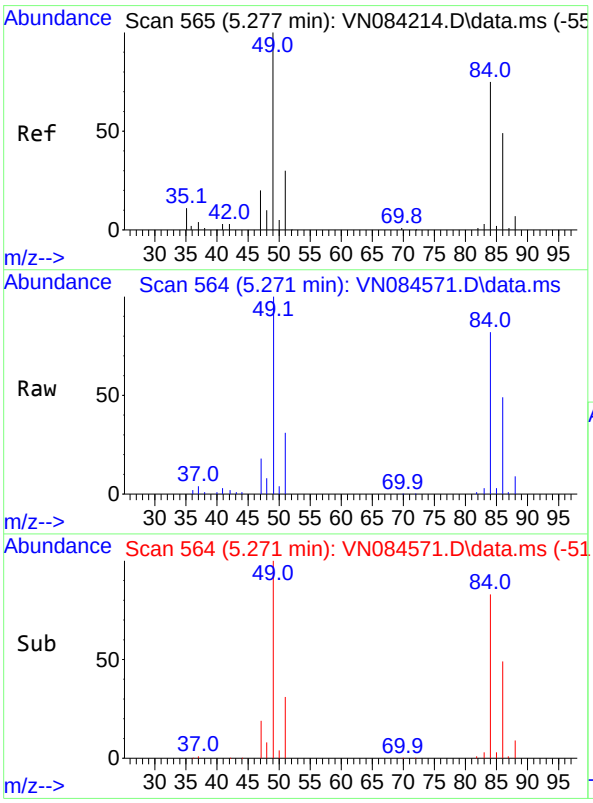
#19
Methyl tert-butyl Ether
Concen: 50.376 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 328099

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

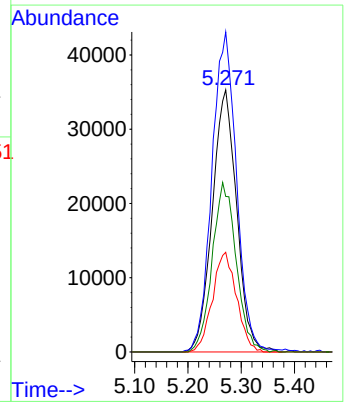


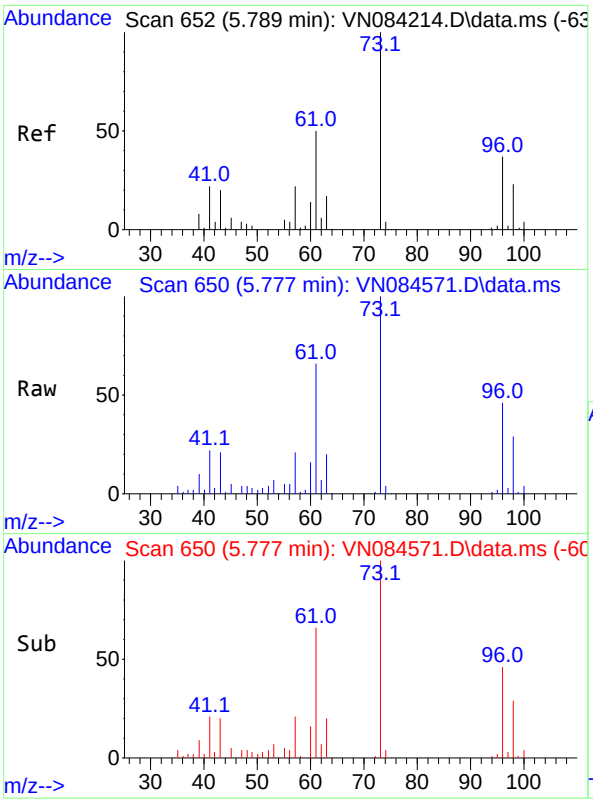


#20
Methylene Chloride
Concen: 47.370 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



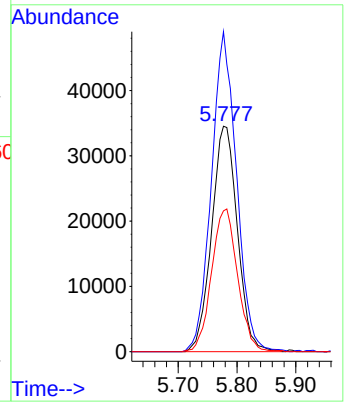


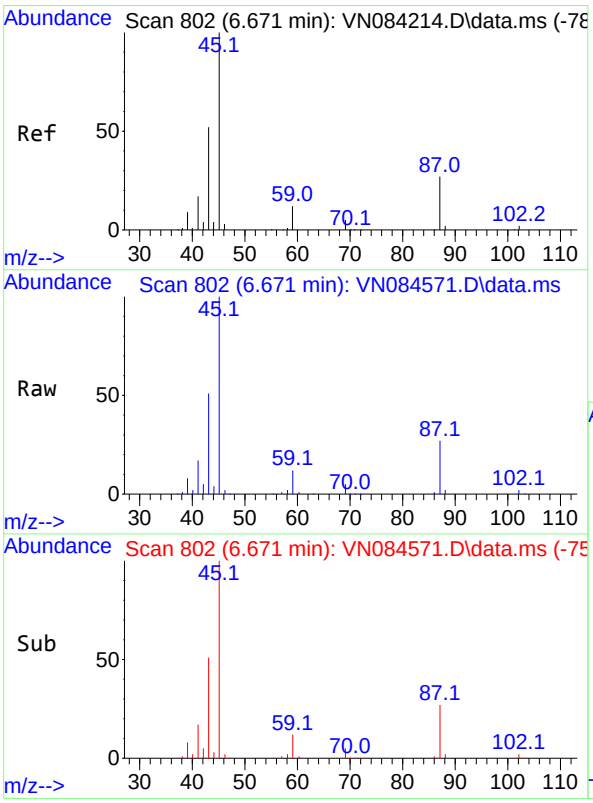
#21
trans-1,2-Dichloroethene
Concen: 48.146 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

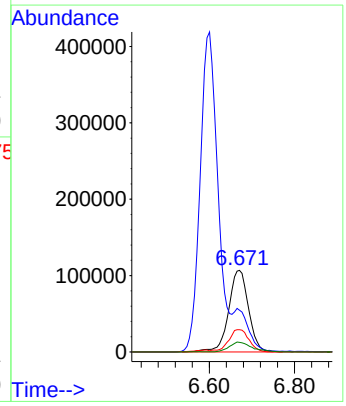


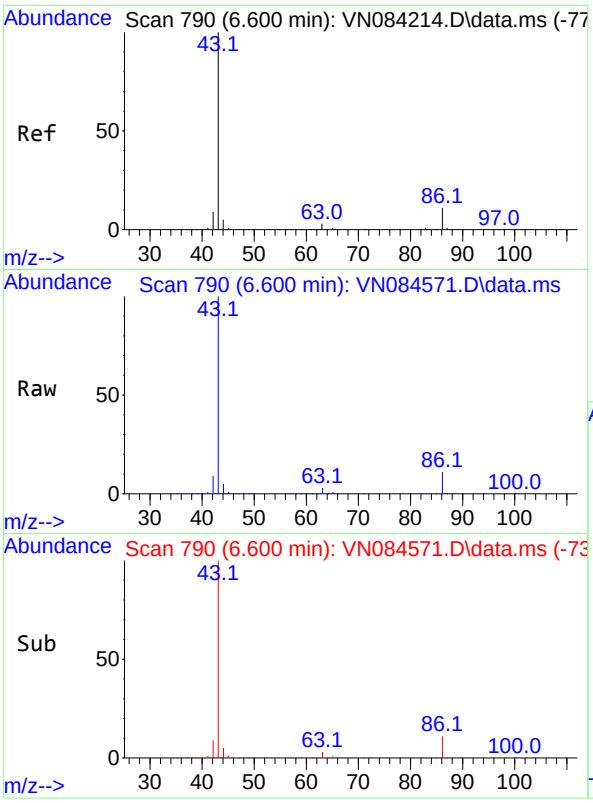


#22
Diisopropyl ether
Concen: 50.549 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



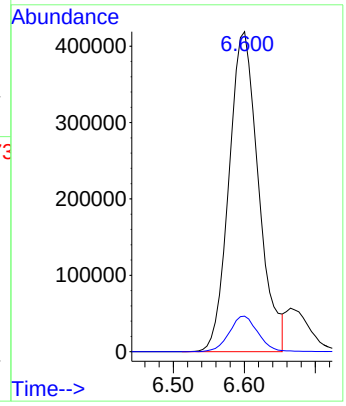


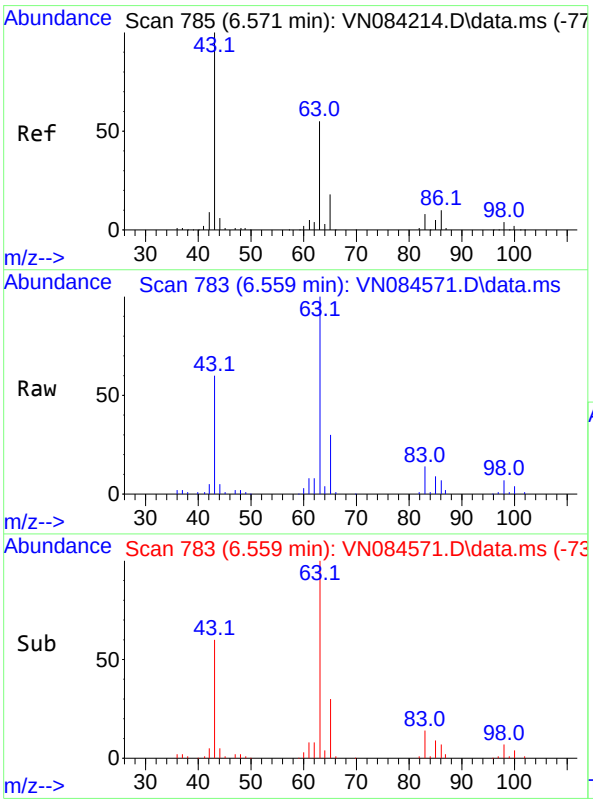
#23
Vinyl Acetate
Concen: 256.673 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1212022

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

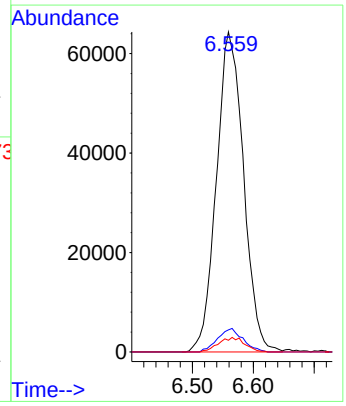


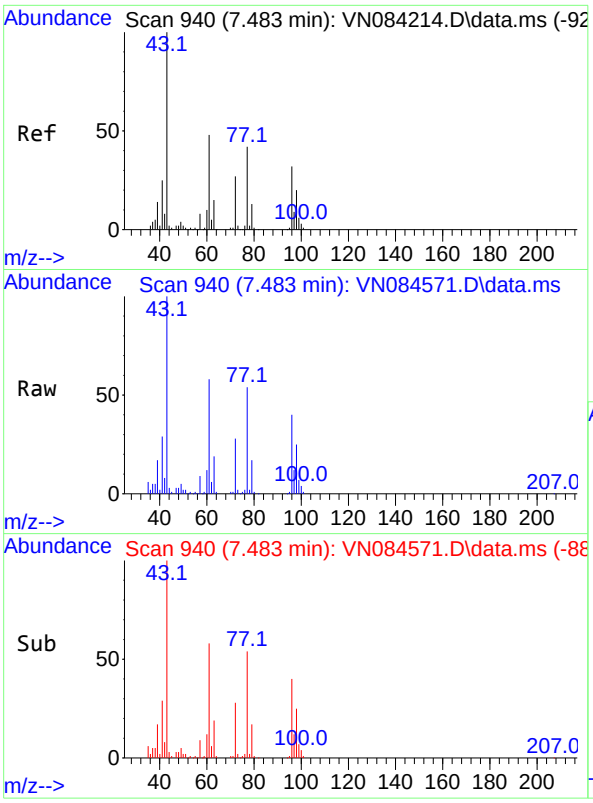


#24
1,1-Dichloroethane
Concen: 48.362 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



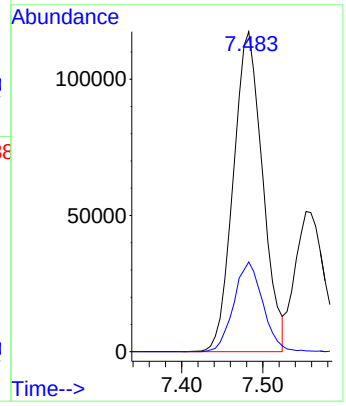


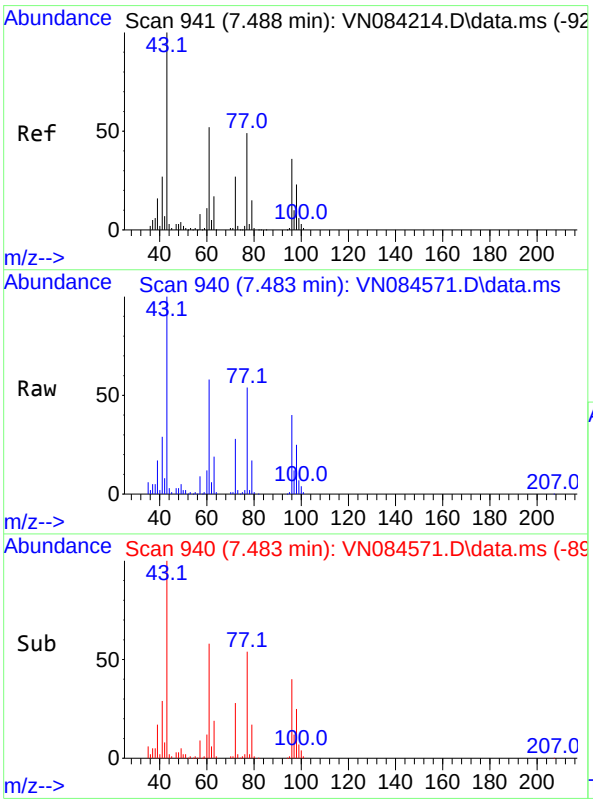
#25
2-Butanone
Concen: 233.994 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 294207

Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.4	32.2

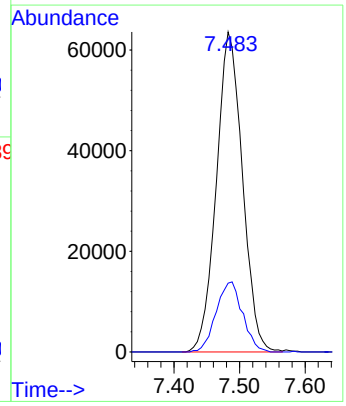


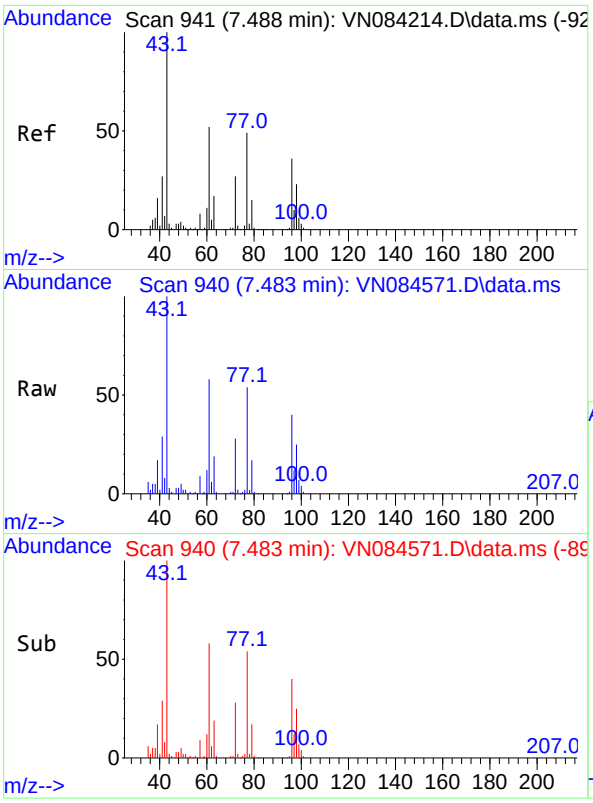


#26
2,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 77 Resp: 175511

Ion	Ratio	Lower	Upper
77	100		
97	22.2	10.8	32.3



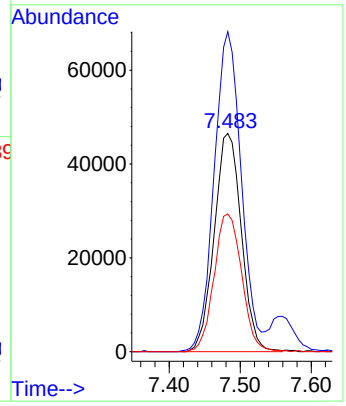


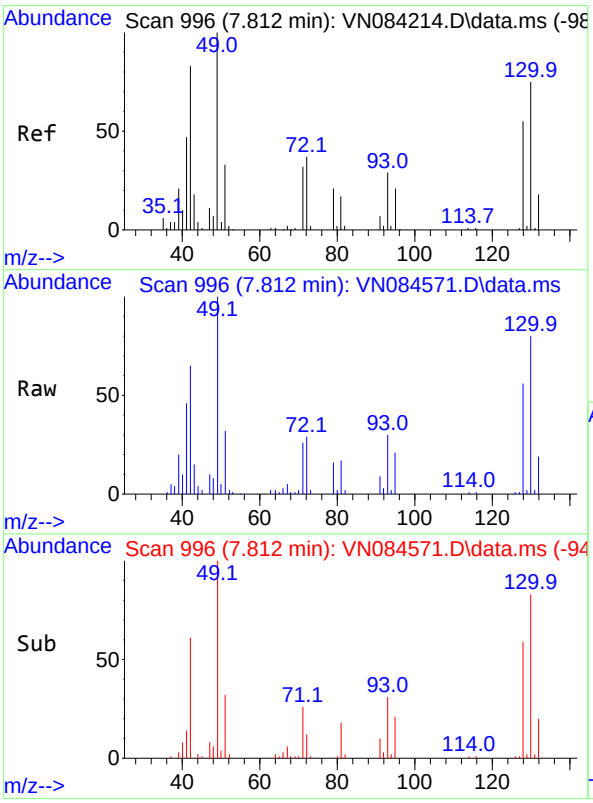
#27
cis-1,2-Dichloroethene
Concen: 48.450 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

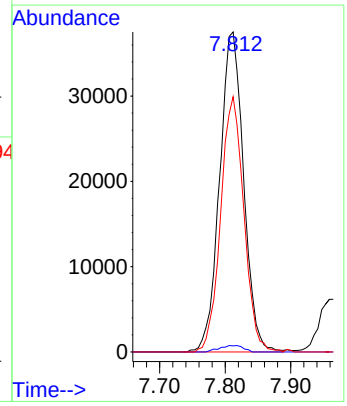


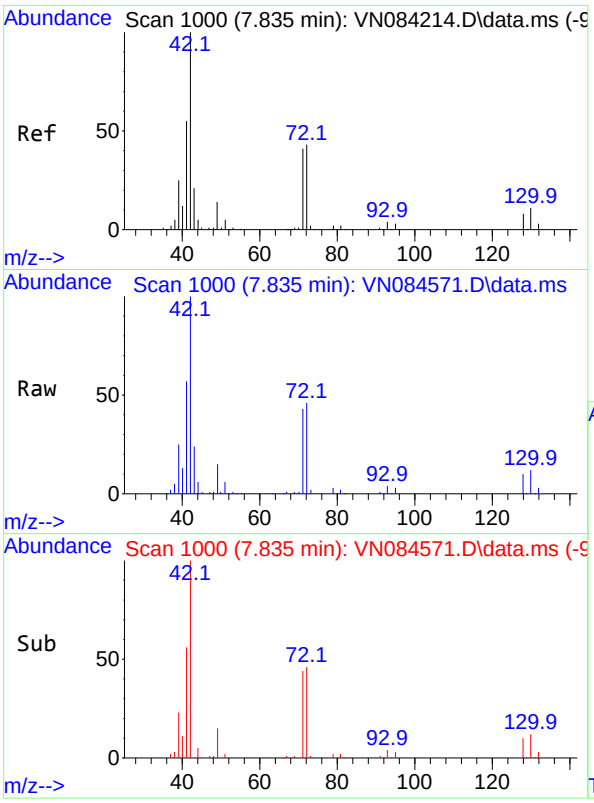


#28
Bromochloromethane
Concen: 58.166 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



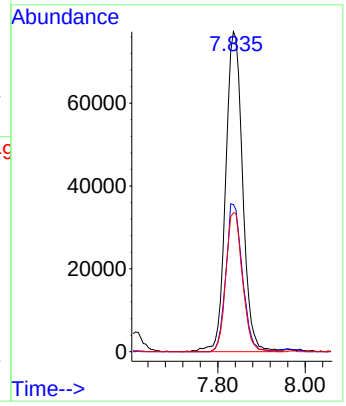


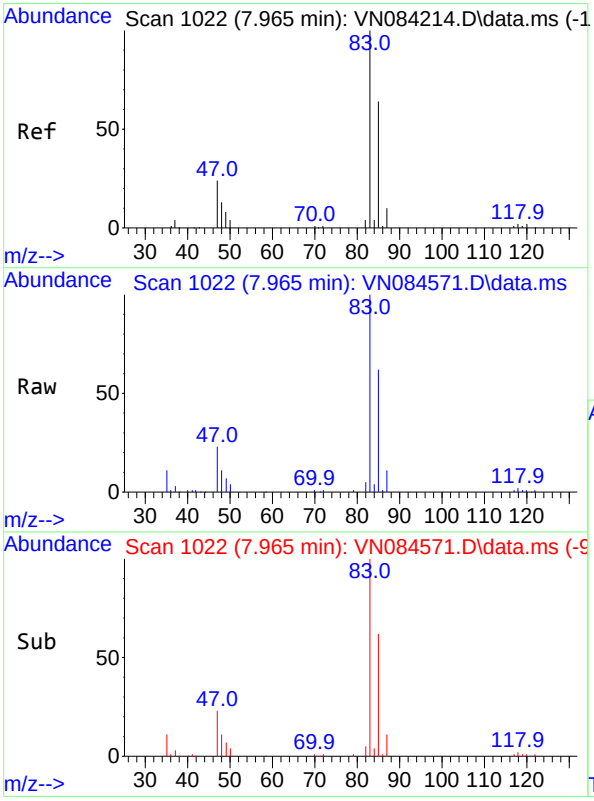
#29
Tetrahydrofuran
Concen: 248.139 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

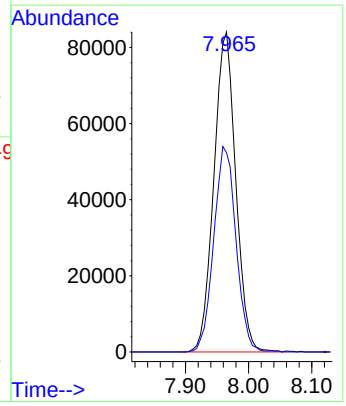


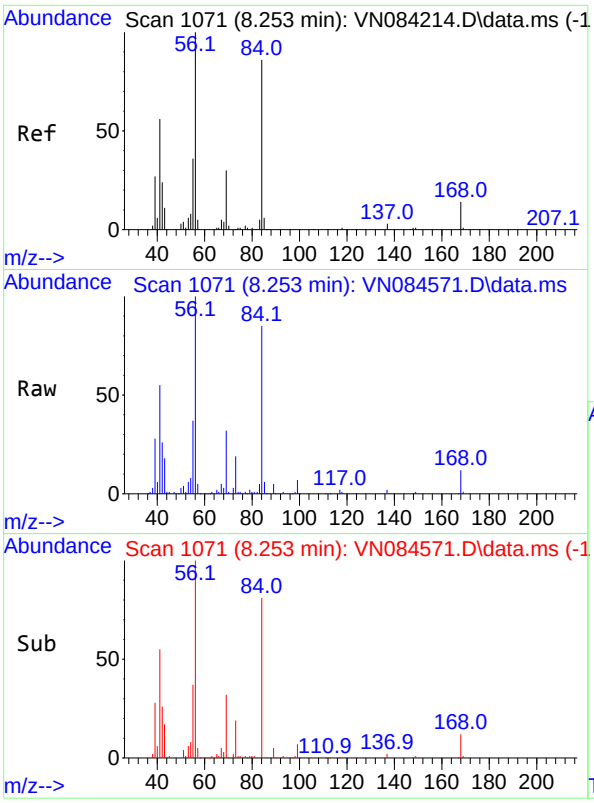


#30
Chloroform
Concen: 48.417 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 83 Resp: 202589

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.4



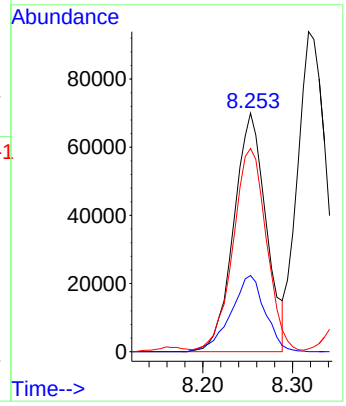


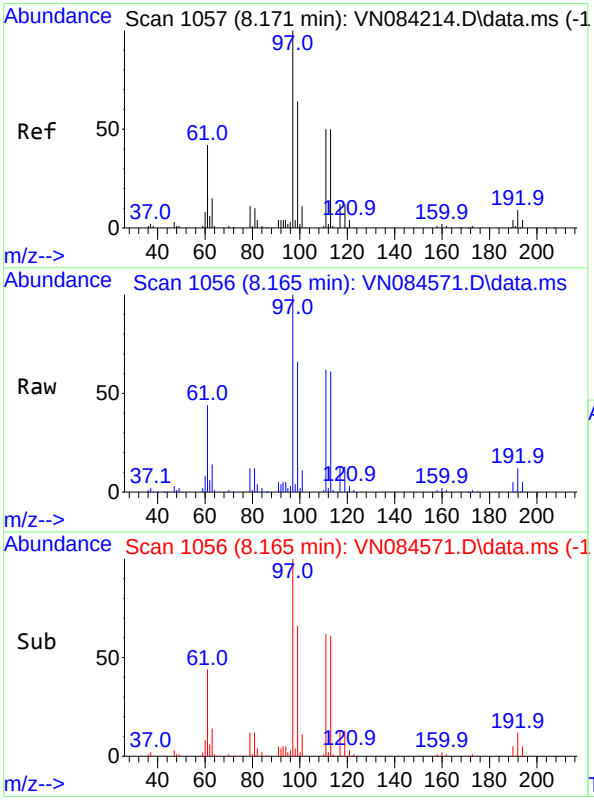
#31
Cyclohexane
Concen: 47.043 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

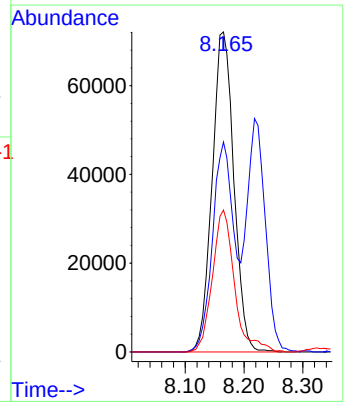


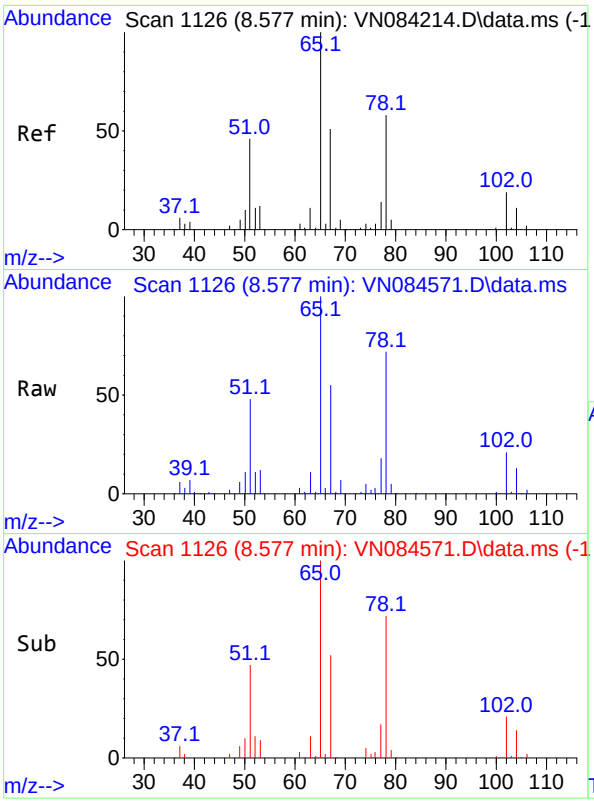


#32
1,1,1-Trichloroethane
Concen: 48.573 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



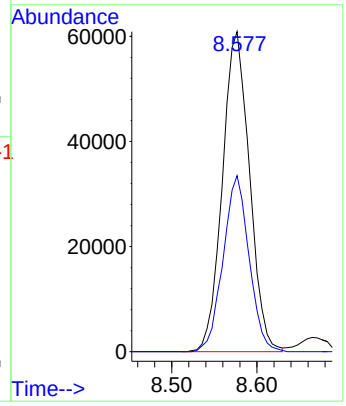


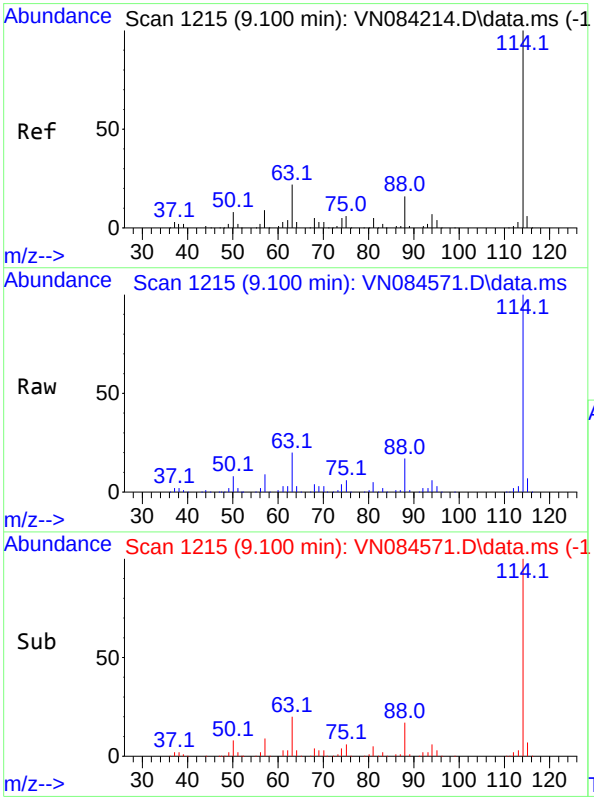
#33
1,2-Dichloroethane-d4
Concen: 49.914 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 134521

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	102.0

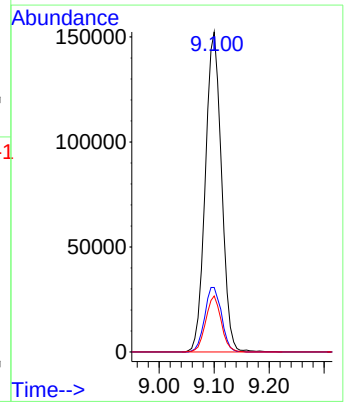


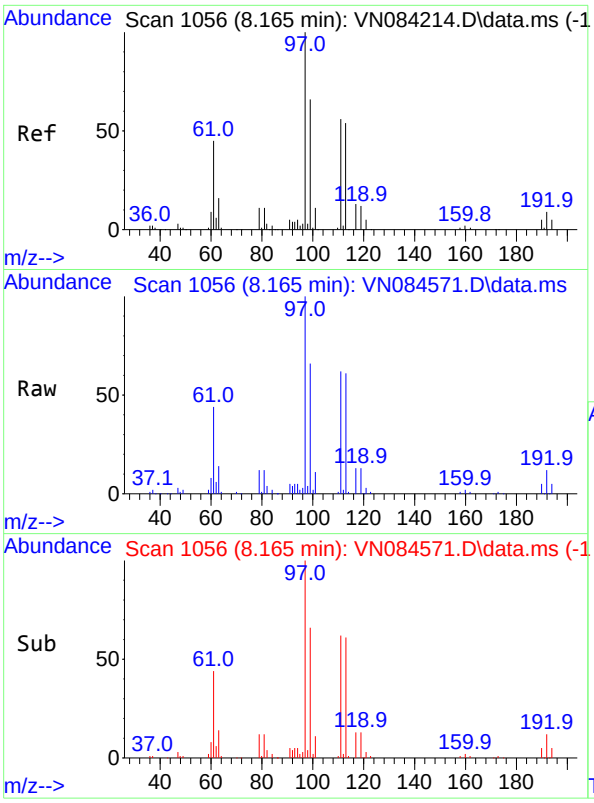


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



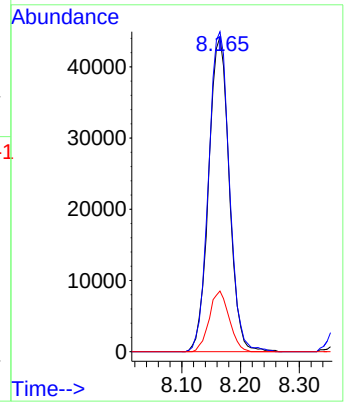


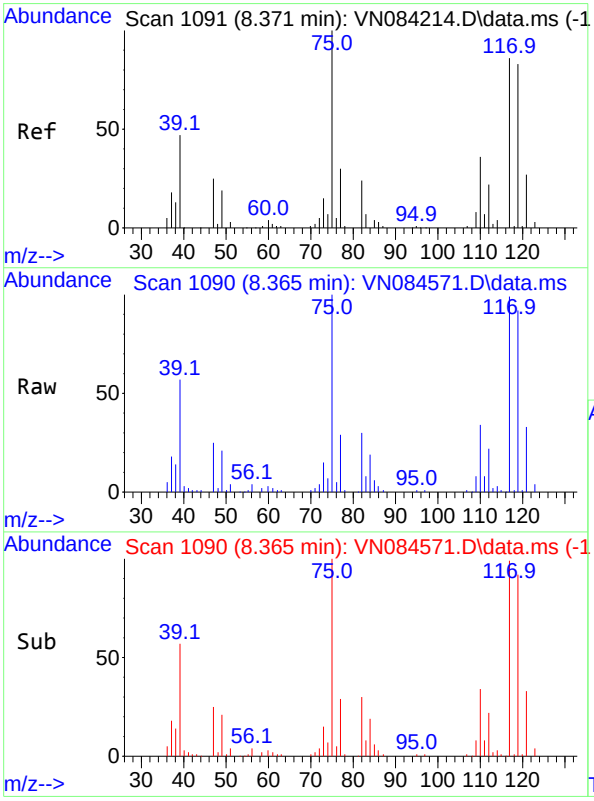
#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

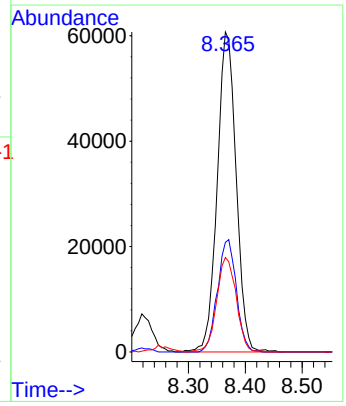


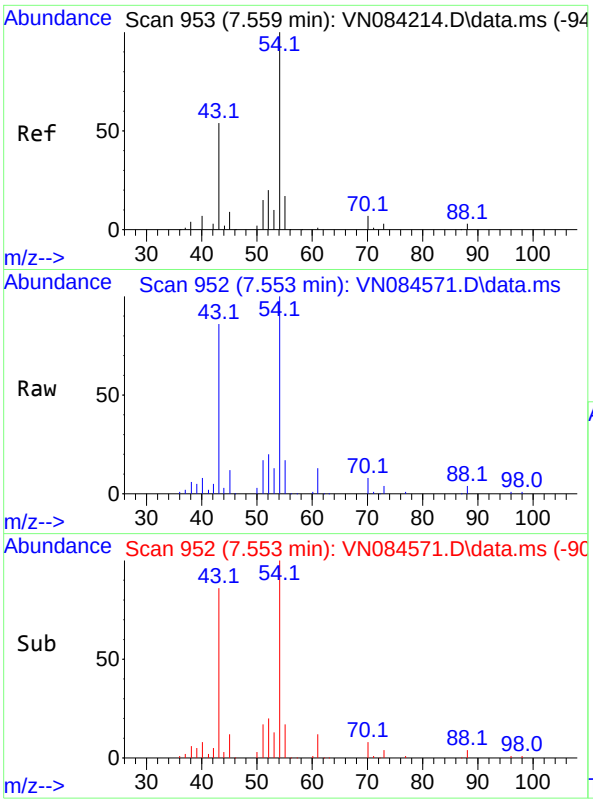


#36
1,1-Dichloropropene
Concen: 48.071 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



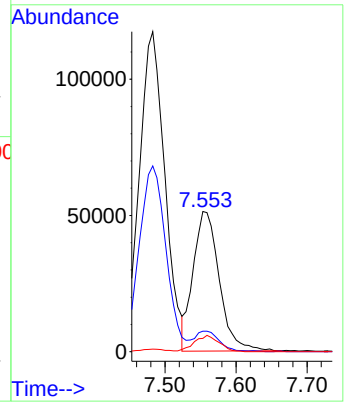


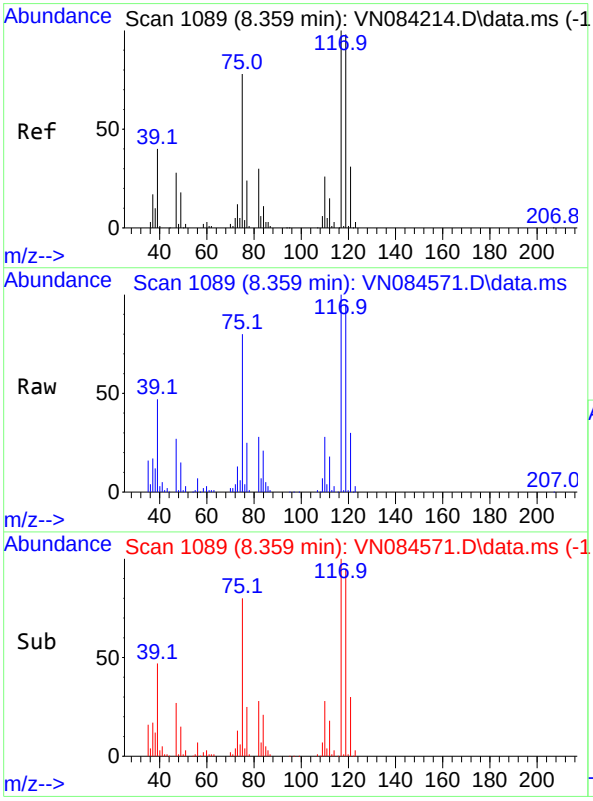
#37
Ethyl Acetate
Concen: 49.493 ug/l
RT: 7.553 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

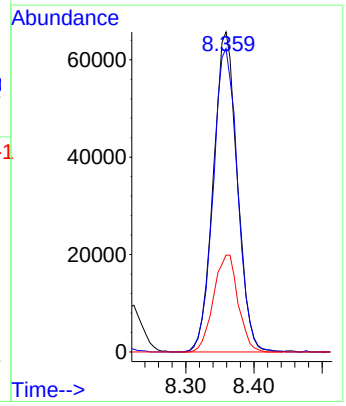


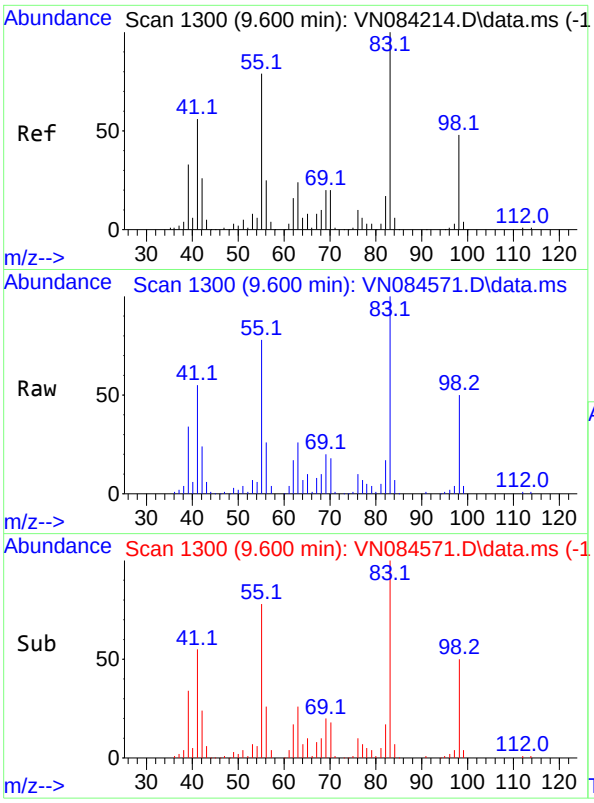


#38
Carbon Tetrachloride
Concen: 48.985 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



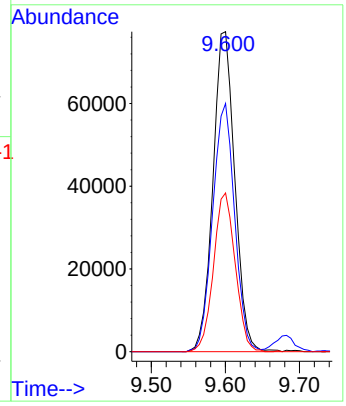


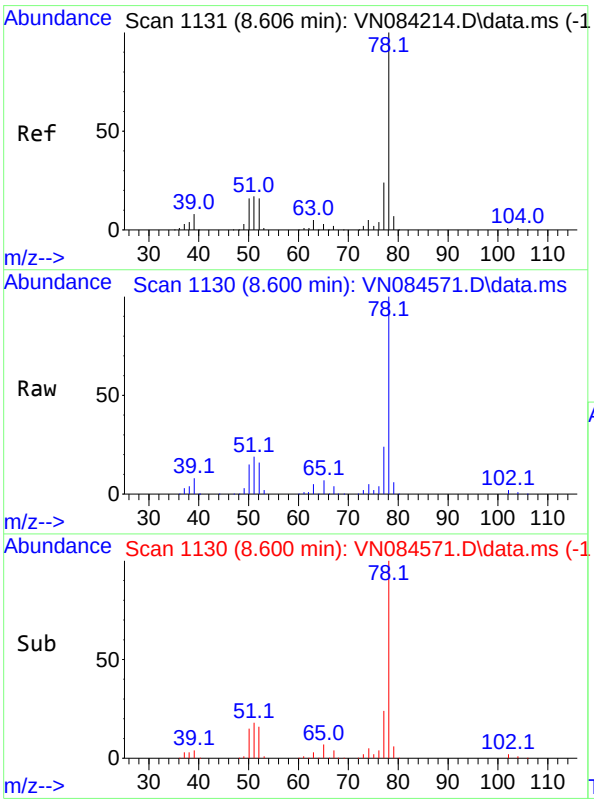
#39
Methylcyclohexane
Concen: 53.267 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

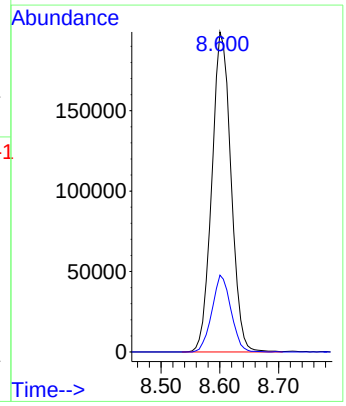


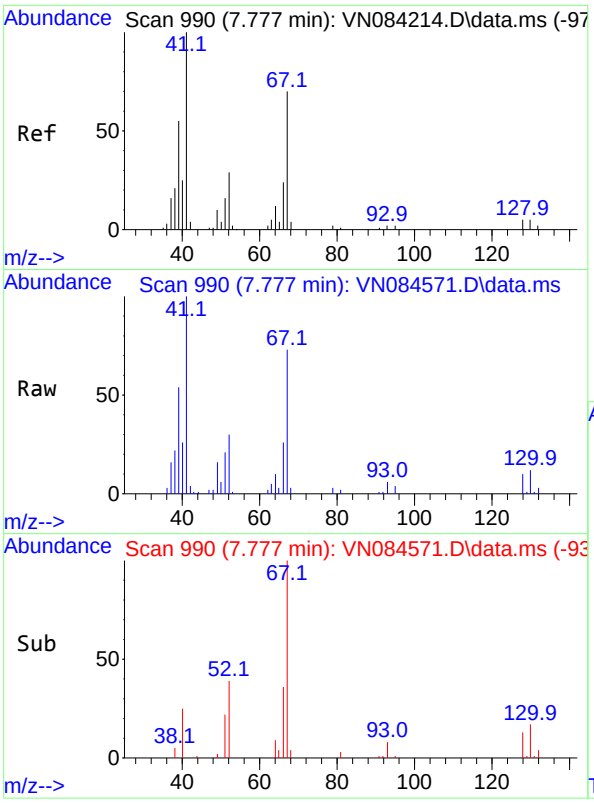


#40
Benzene
Concen: 48.024 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 78 Resp: 451074

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7



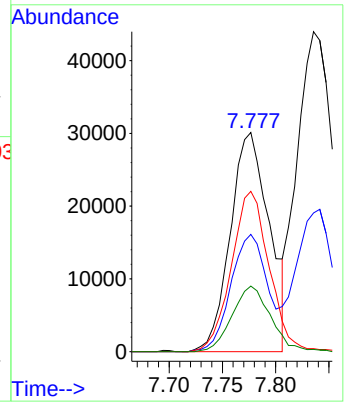


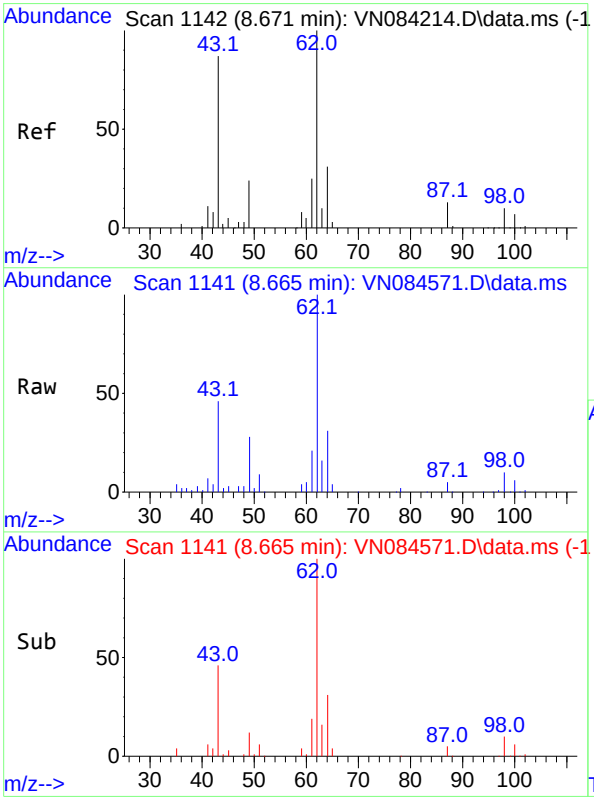
#41
Methacrylonitrile
Concen: 53.814 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

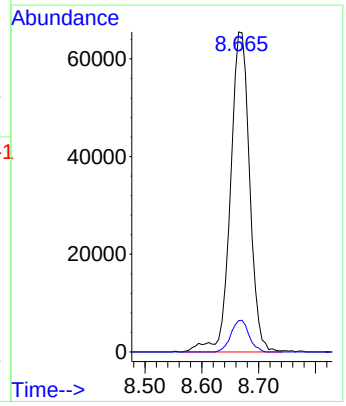


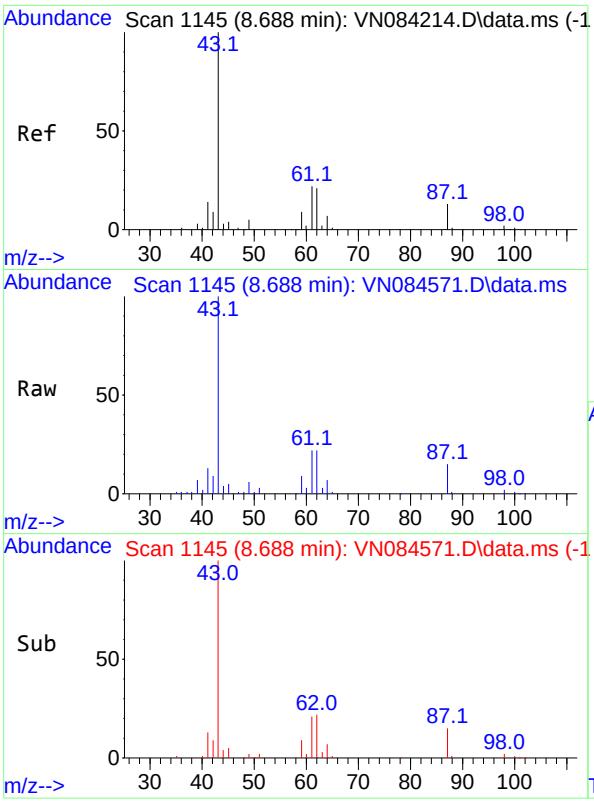


#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 62 Resp: 153960

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



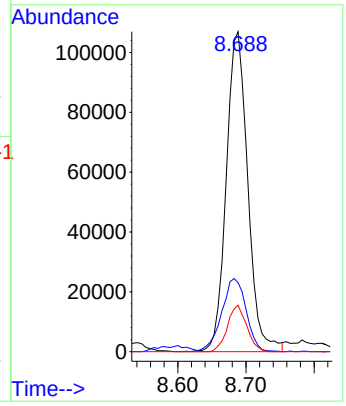


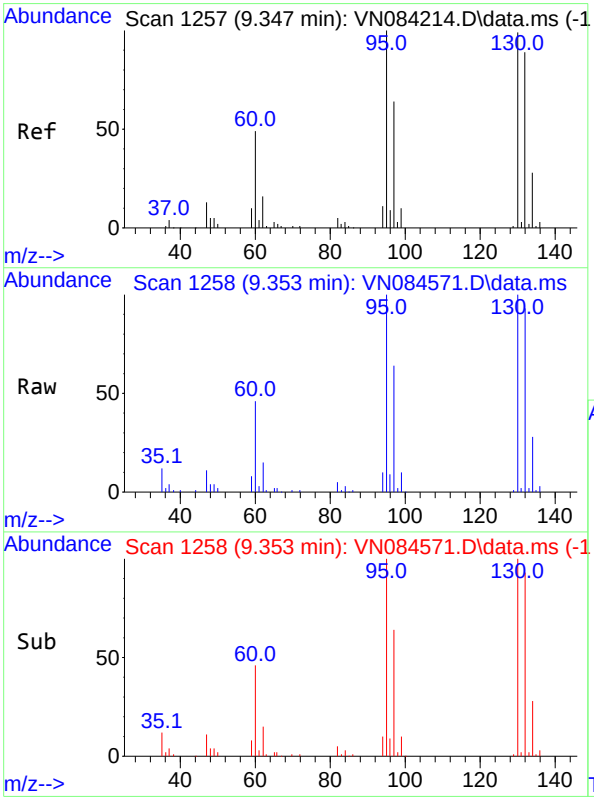
#43
Isopropyl Acetate
Concen: 48.004 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 235517

Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.4	30.6
87	13.0	10.3	15.5

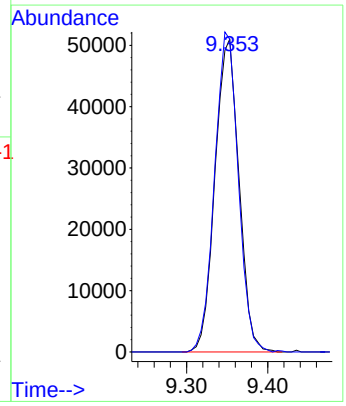


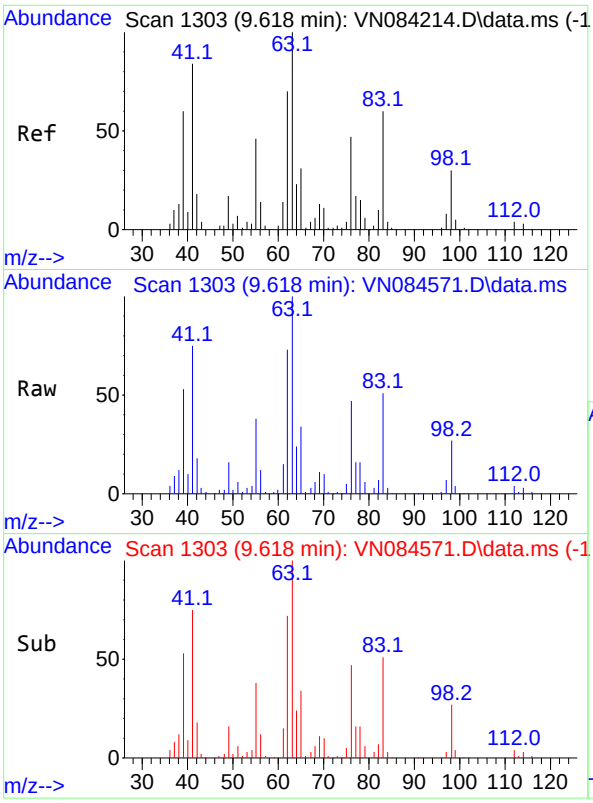


#44
Trichloroethene
Concen: 48.241 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:130 Resp: 104498

Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	203.0



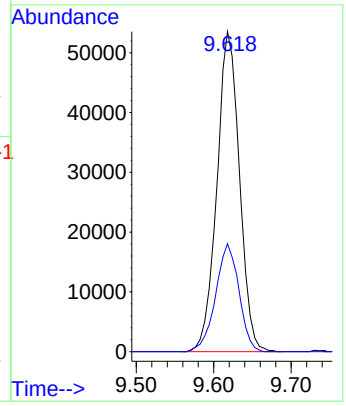


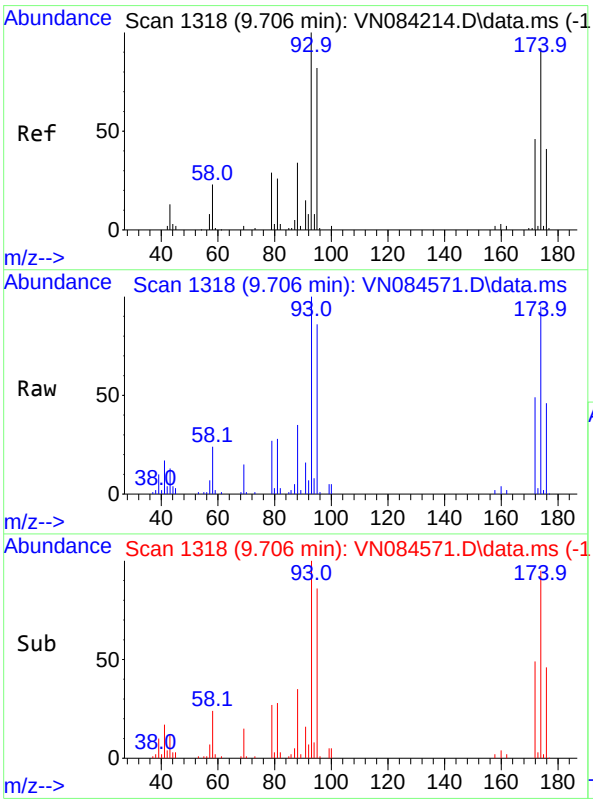
#45
1,2-Dichloropropane
Concen: 49.154 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 108302

Ion	Ratio	Lower	Upper
63	100		
65	33.7	24.6	37.0

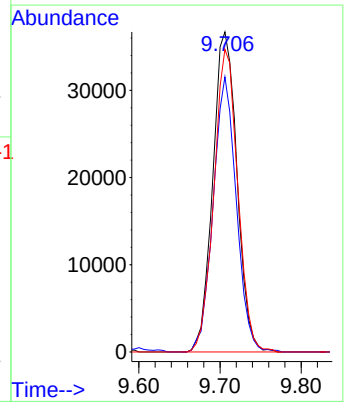


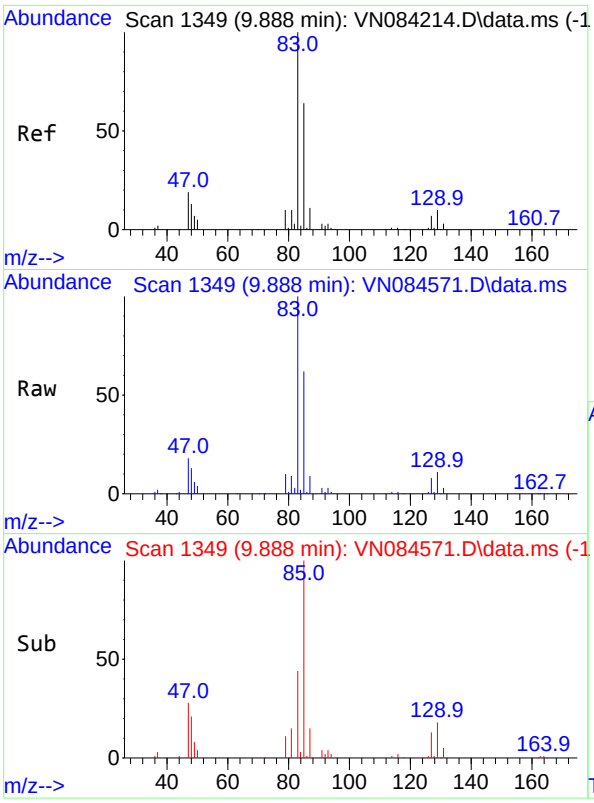


#46
Dibromomethane
Concen: 48.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



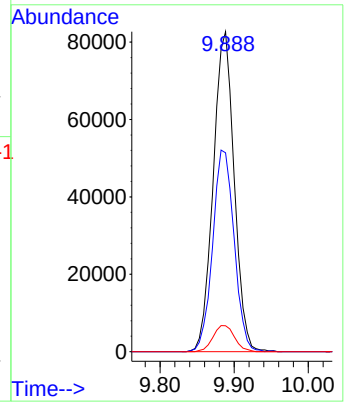


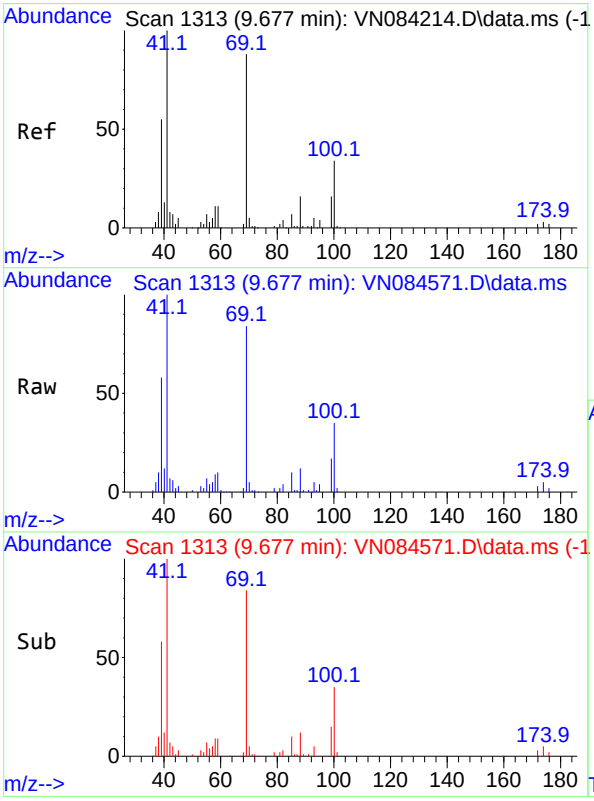
#47
Bromodichloromethane
Concen: 49.525 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

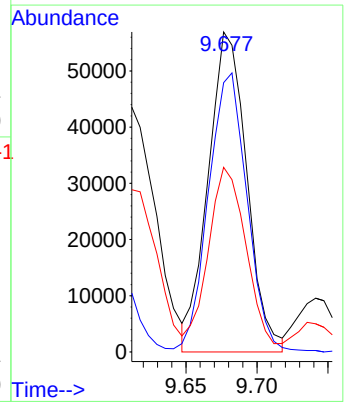


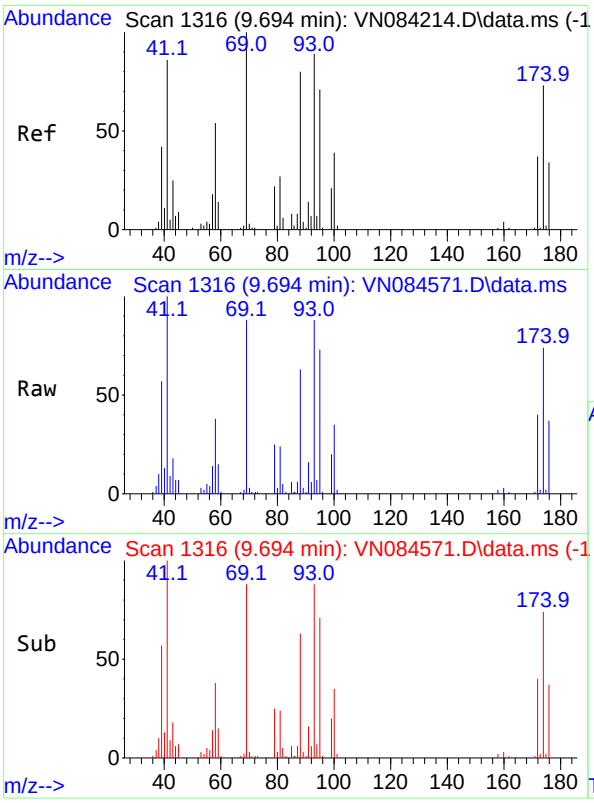


#48
Methyl methacrylate
Concen: 52.212 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



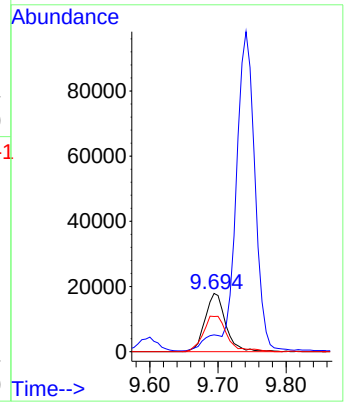


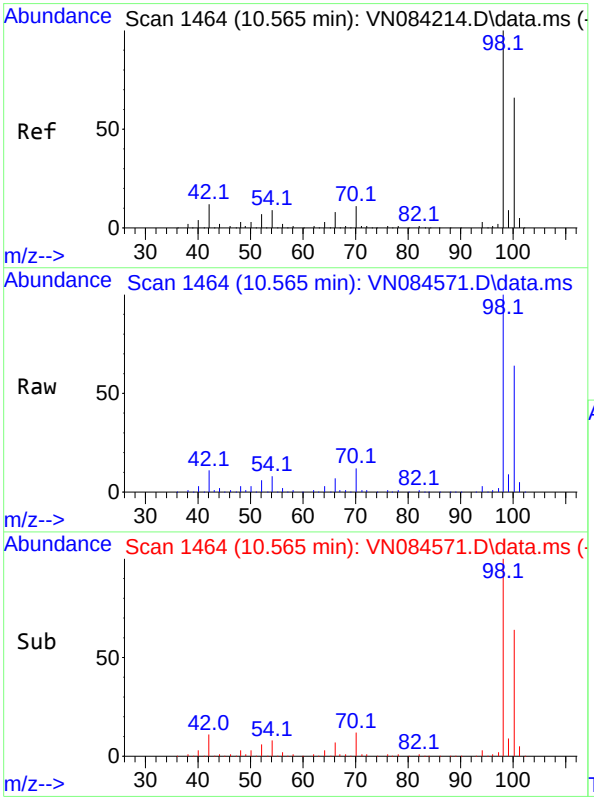
#49
1,4-Dioxane
Concen: 1030.669 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

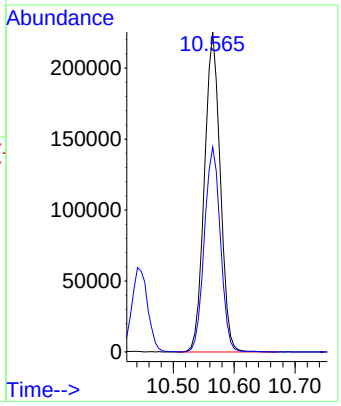


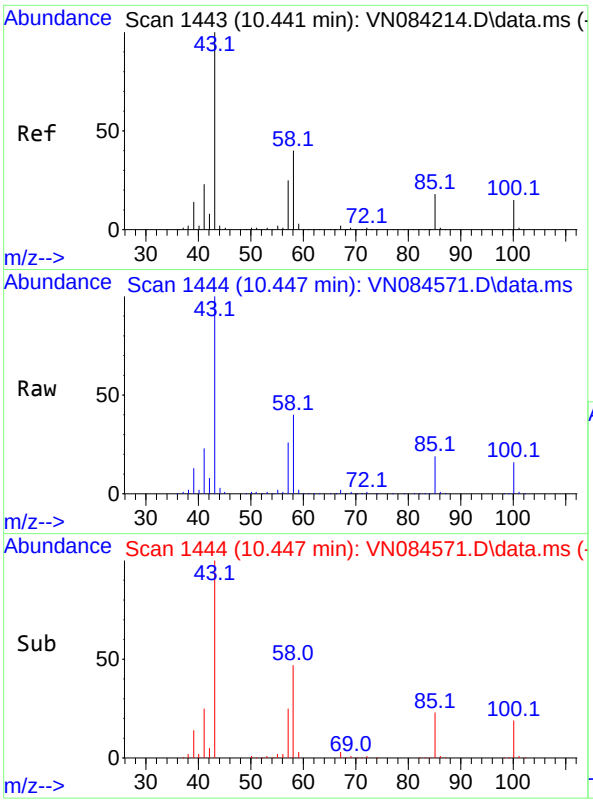


#50
Toluene-d8
Concen: 52.247 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 98 Resp: 405874

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.7	79.1



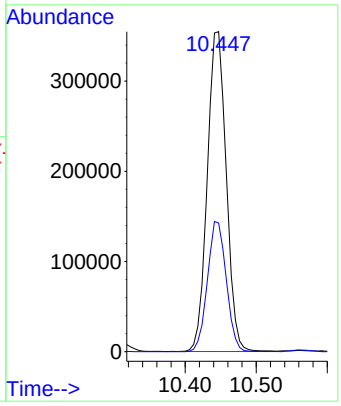


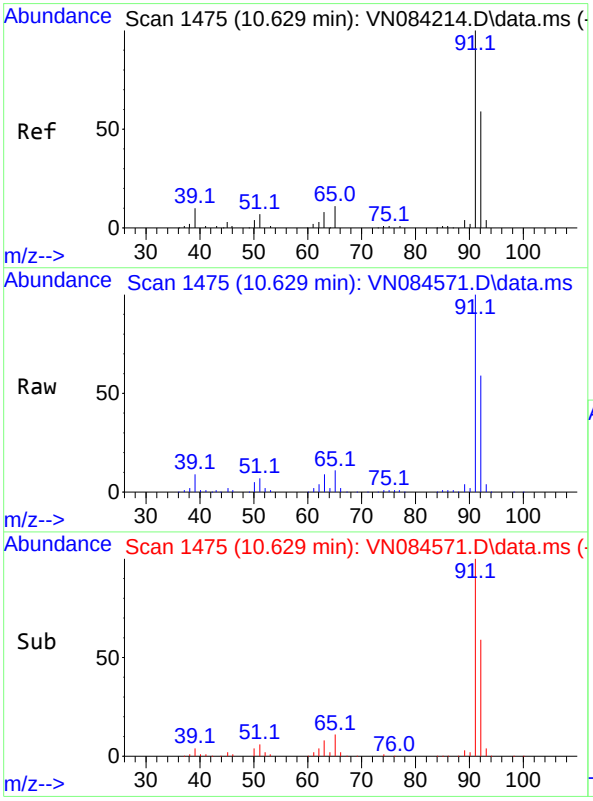
#51
4-Methyl-2-Pentanone
Concen: 260.254 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 658351

Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.6	47.4

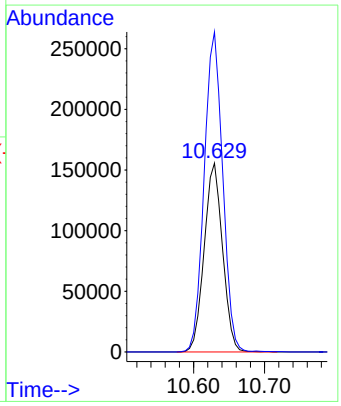


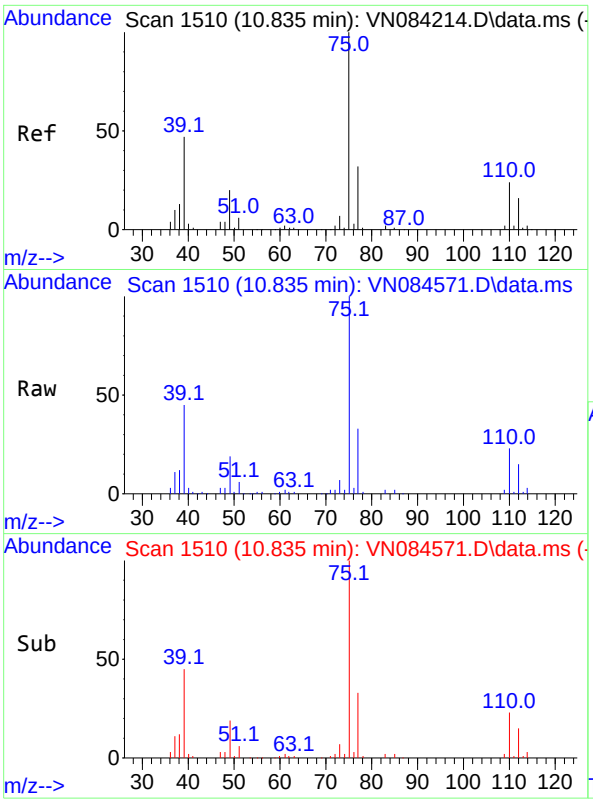


#52
Toluene
Concen: 50.978 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 92 Resp: 280034

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.3	205.9



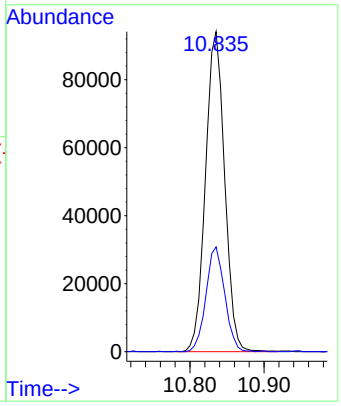


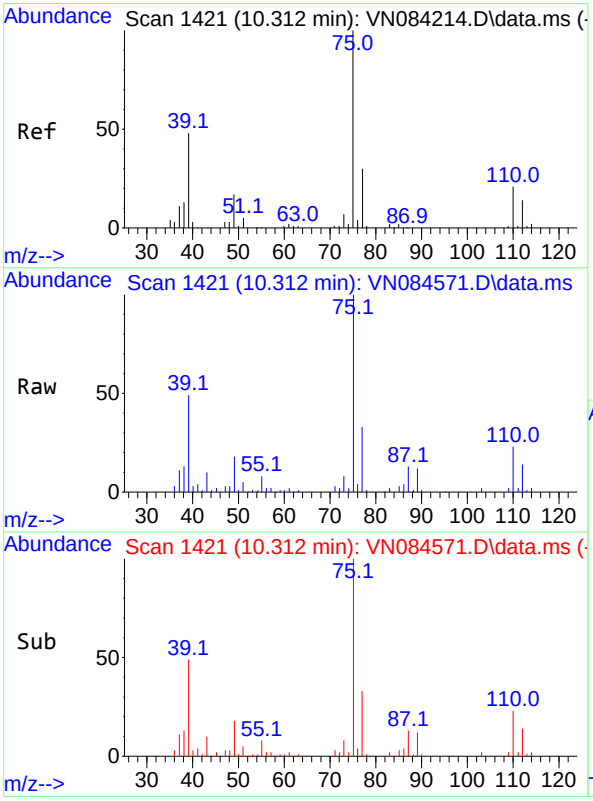
#53
t-1,3-Dichloropropene
Concen: 49.843 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 169085

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0

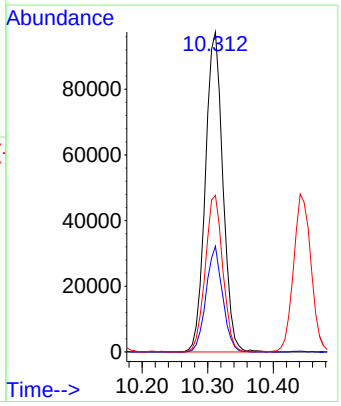


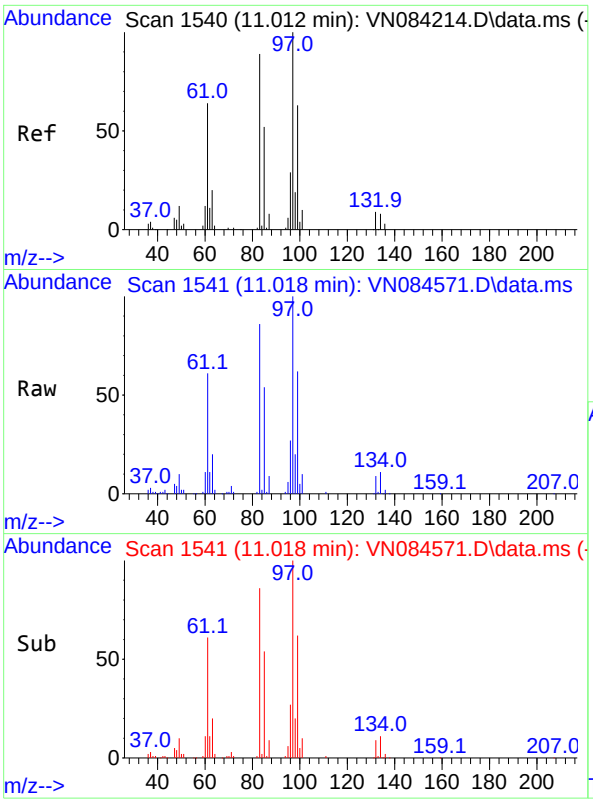


#54
cis-1,3-Dichloropropene
Concen: 50.386 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



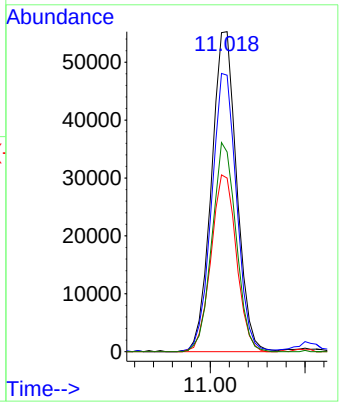


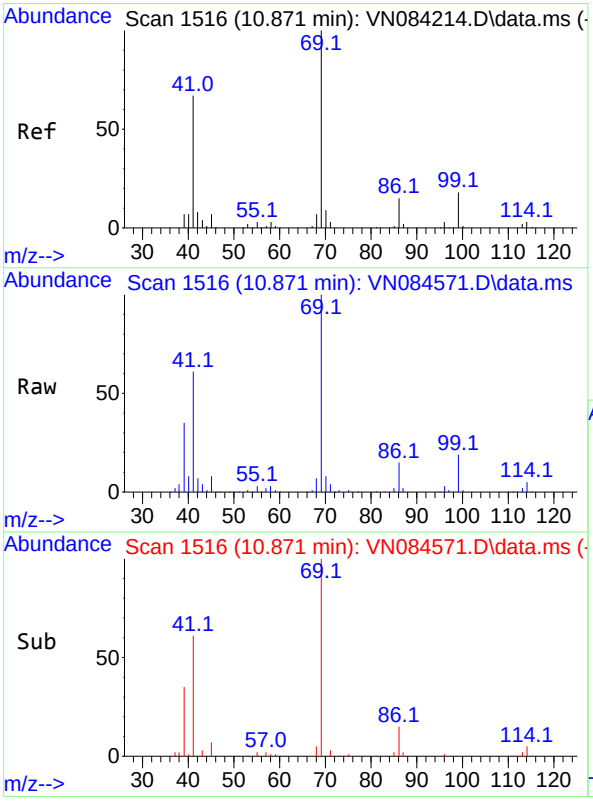
#55
1,1,2-Trichloroethane
Concen: 49.487 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

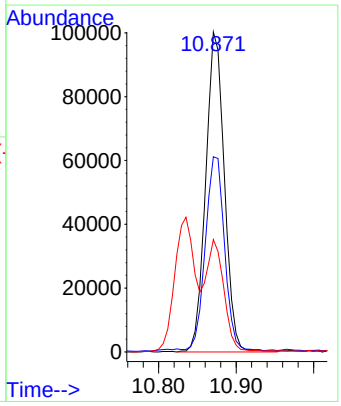


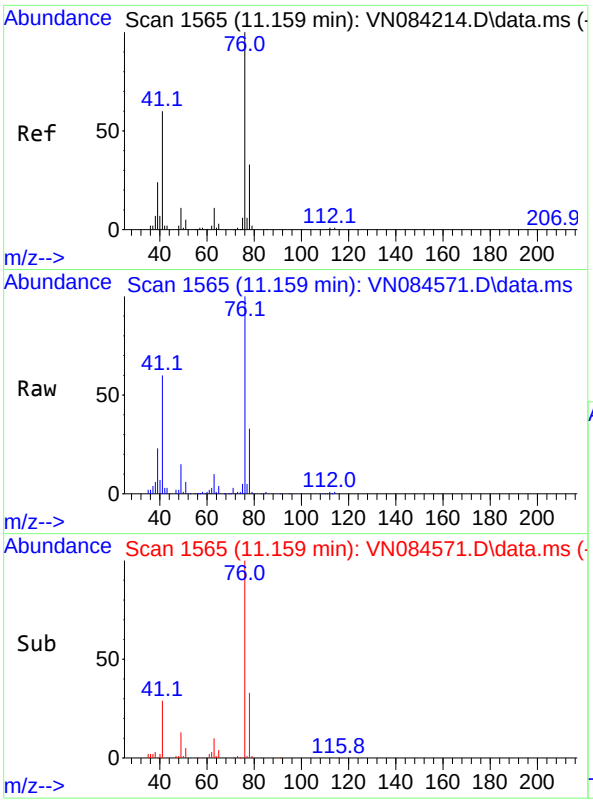


#56
Ethyl methacrylate
Concen: 56.150 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



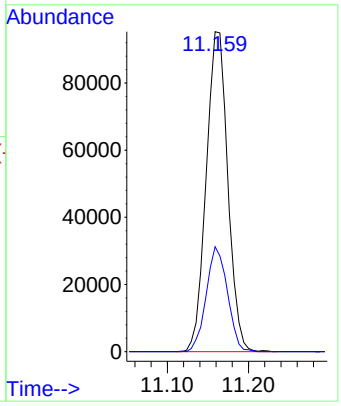


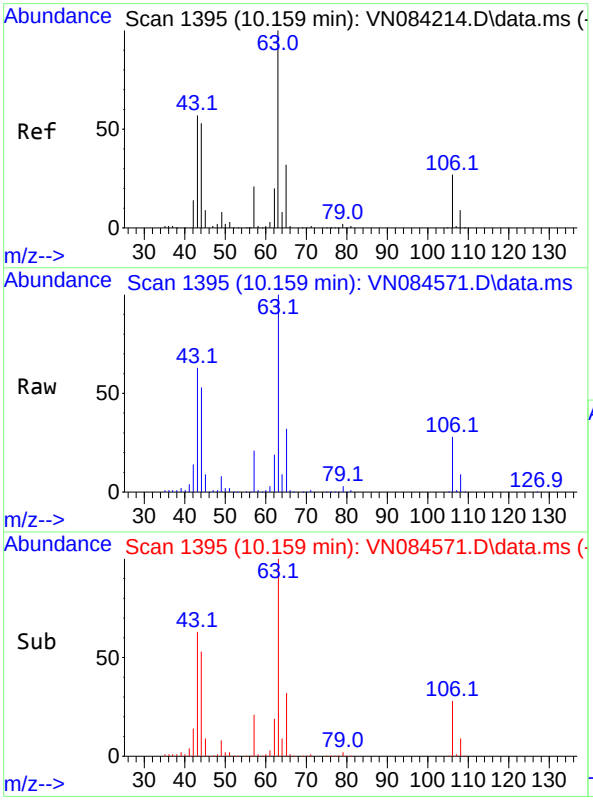
#57
1,3-Dichloropropane
Concen: 49.539 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 175929

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

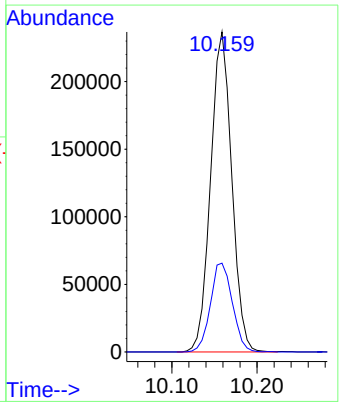


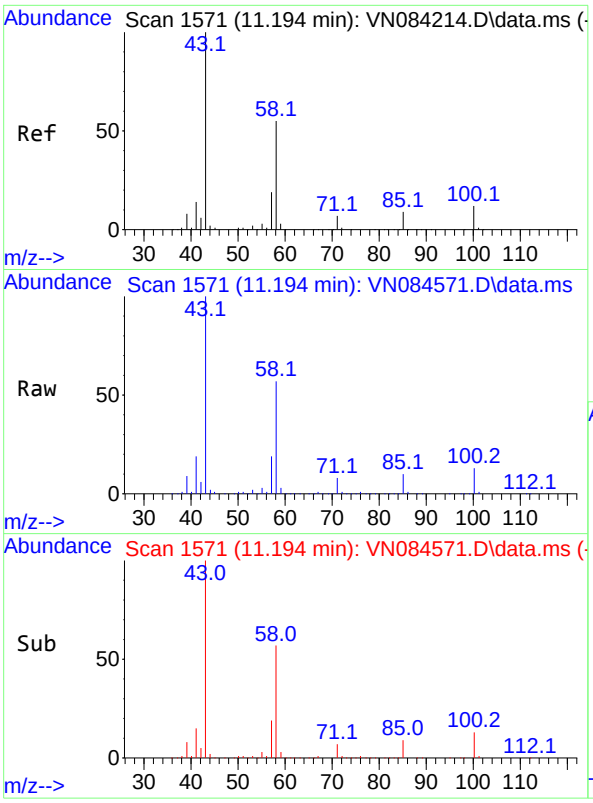


#58
2-Chloroethyl Vinyl ether
Concen: 291.210 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 63 Resp: 407857

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



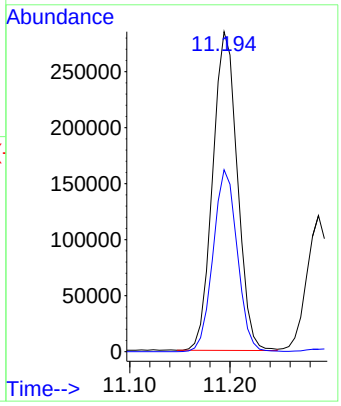


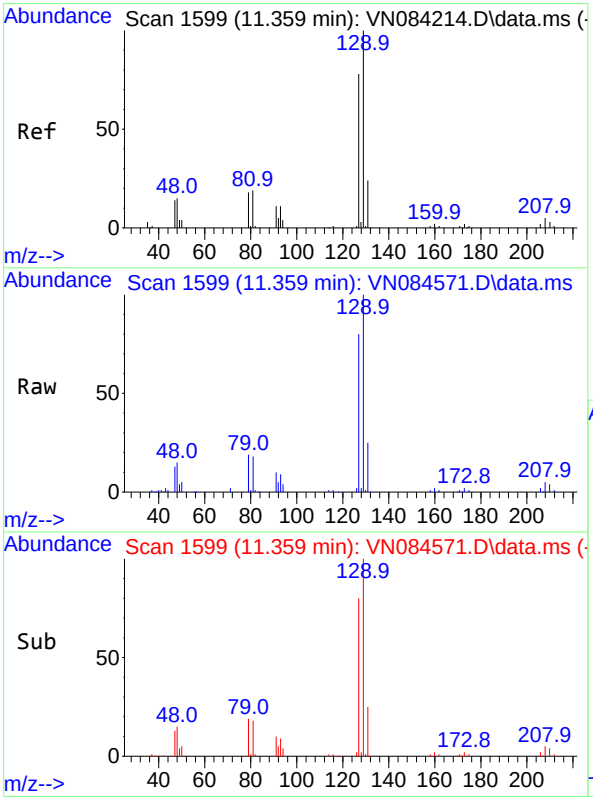
#59
2-Hexanone
Concen: 263.615 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 485391

Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.3	81.8

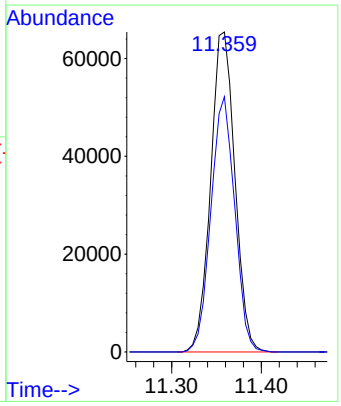


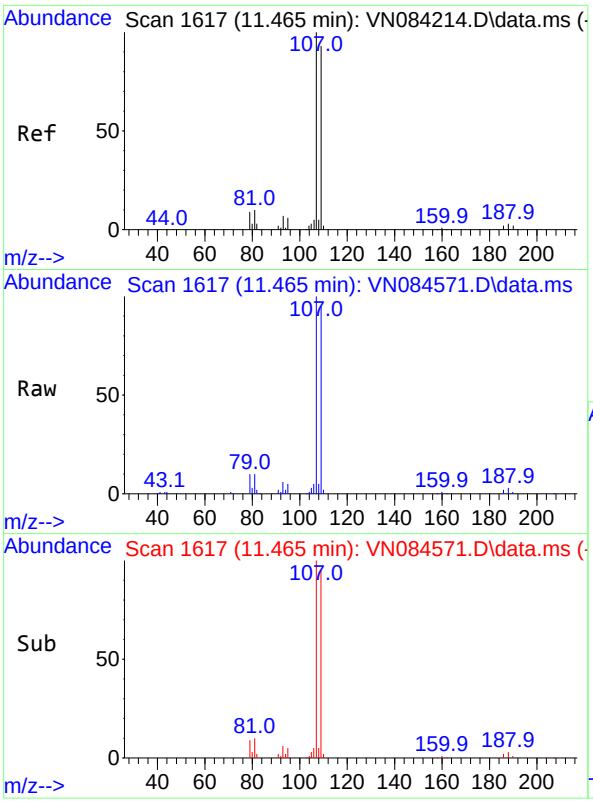


#60
Dibromochloromethane
Concen: 52.078 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:129 Resp: 122816

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9



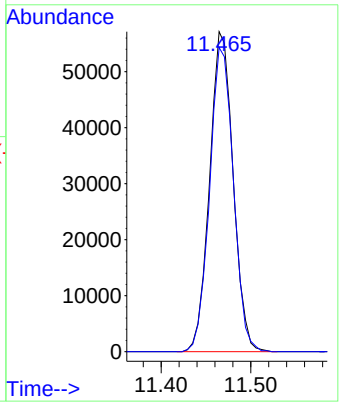


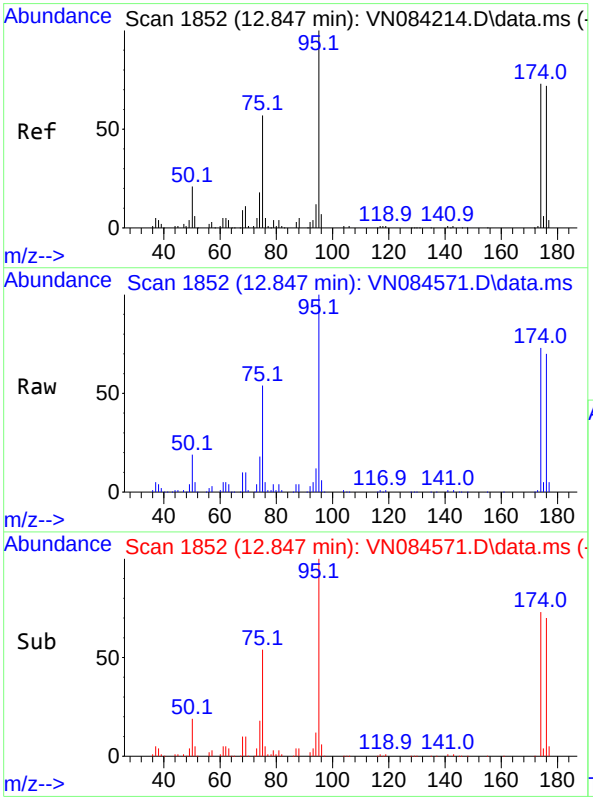
#61
1,2-Dibromoethane
Concen: 49.034 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 103901

Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.4	113.0

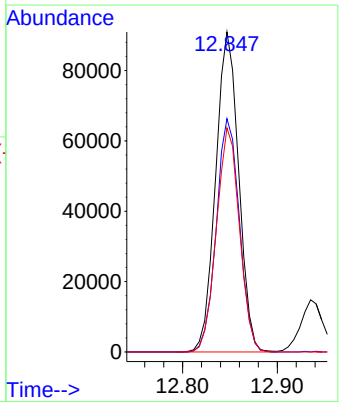


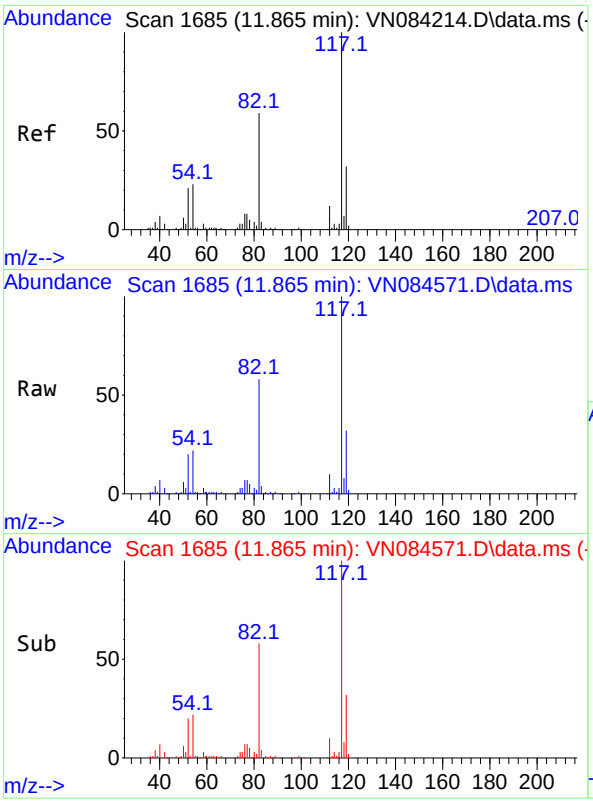


#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



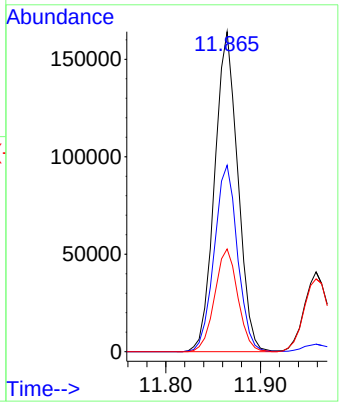


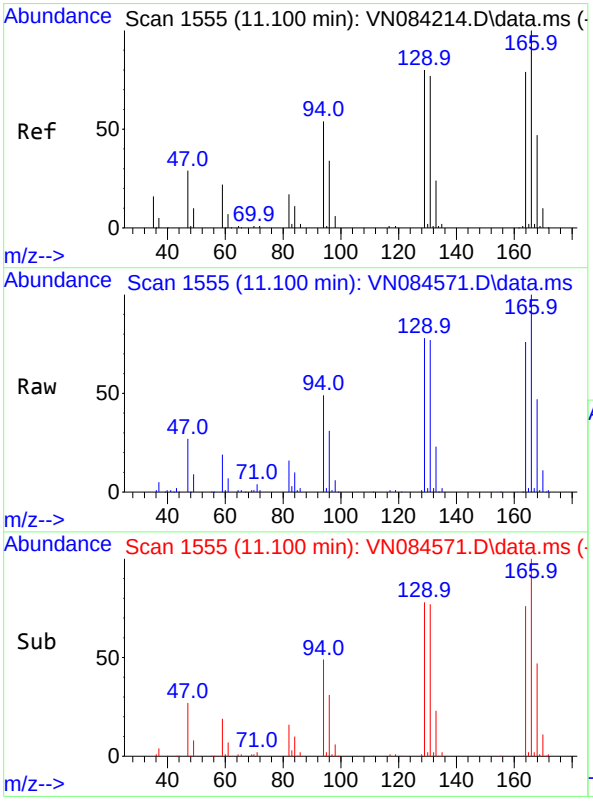
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

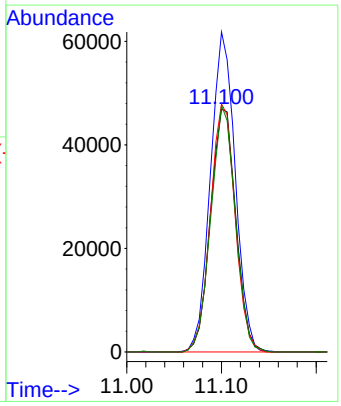


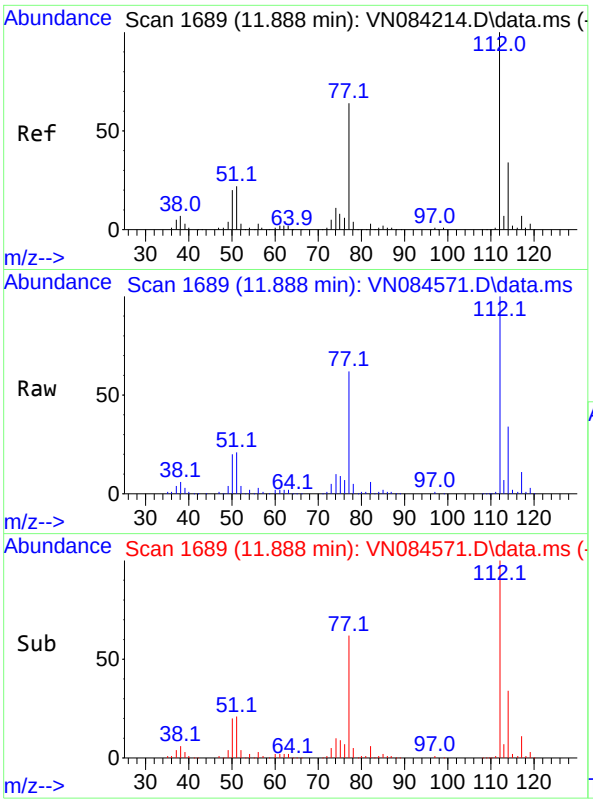


#64
Tetrachloroethene
Concen: 47.088 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



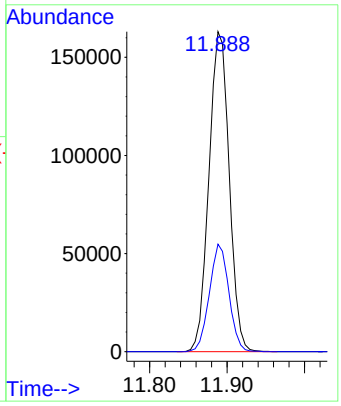


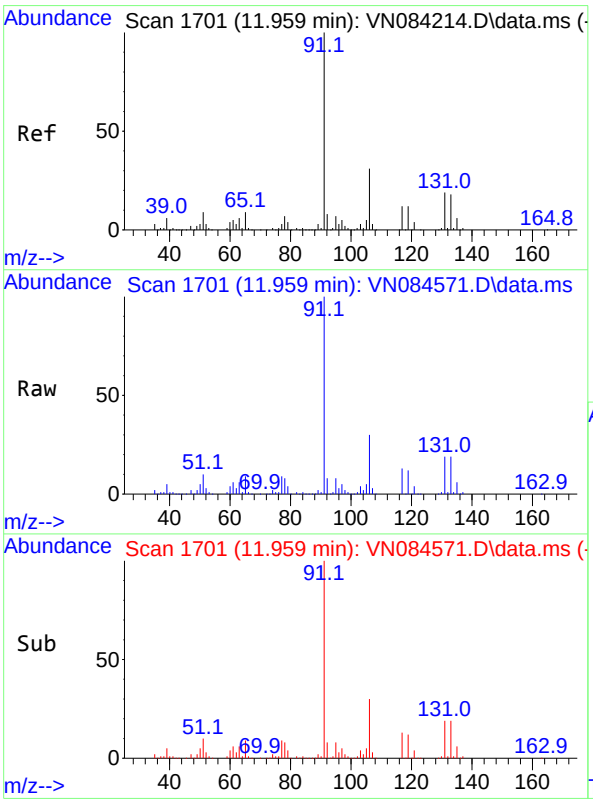
#65
Chlorobenzene
Concen: 47.416 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 296199

Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.0	40.6

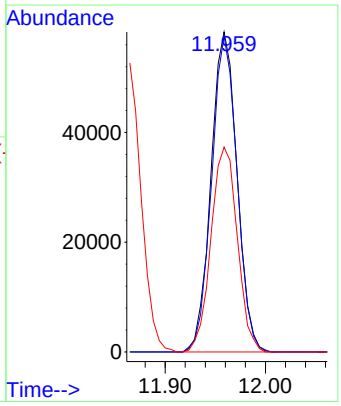


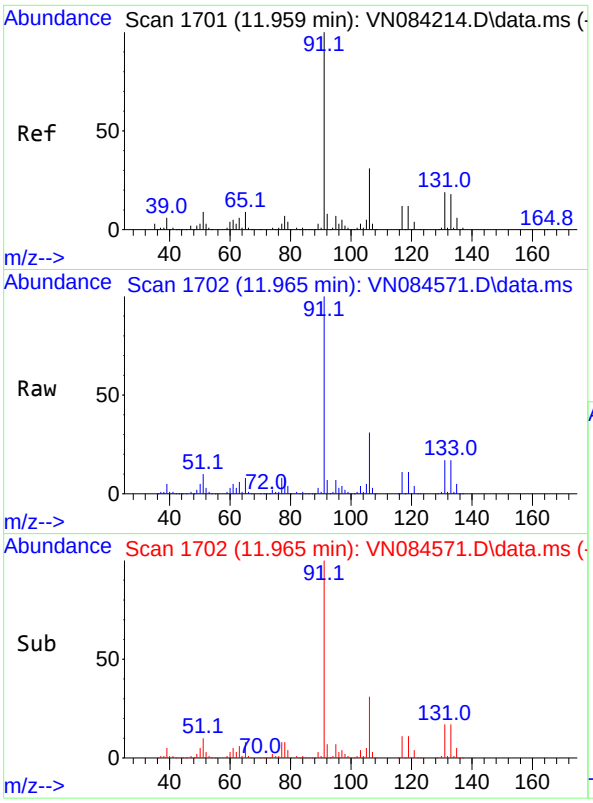


#66
1,1,1,2-Tetrachloroethane
Concen: 48.252 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



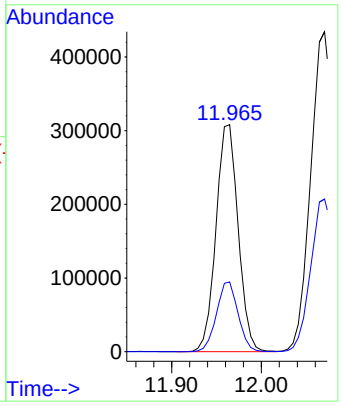


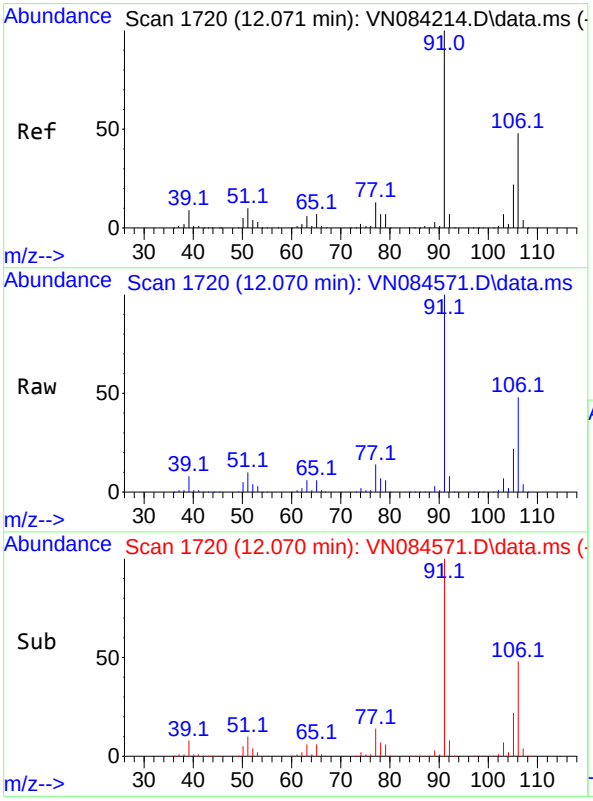
#67
Ethyl Benzene
Concen: 50.646 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 528107

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.5	36.7

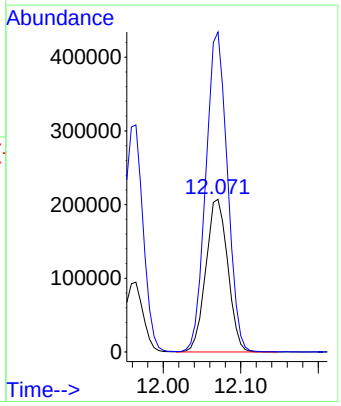


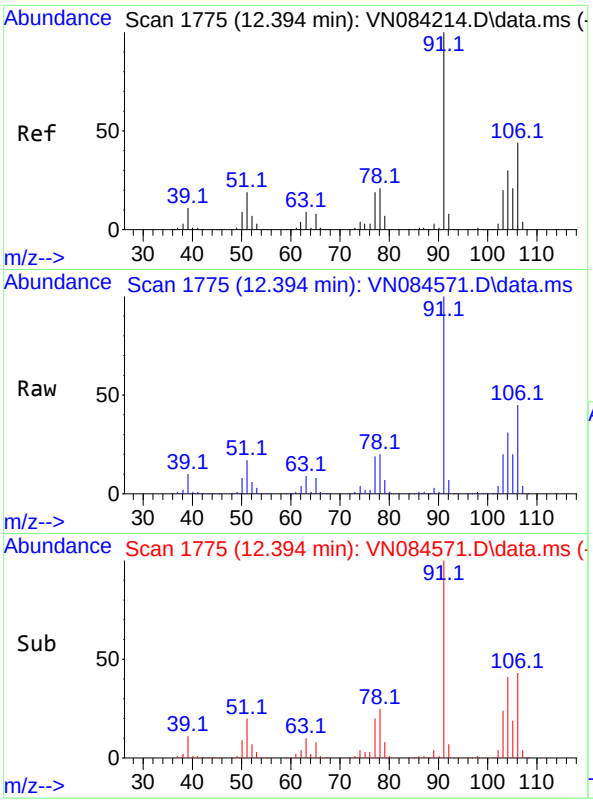


#68
m/p-Xylenes
Concen: 103.053 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:106 Resp: 406816

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



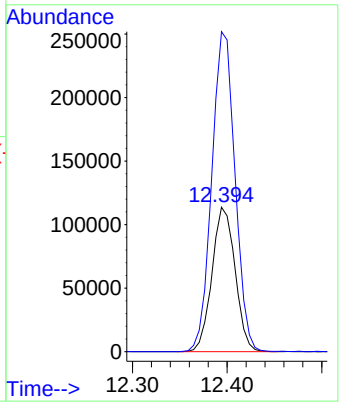


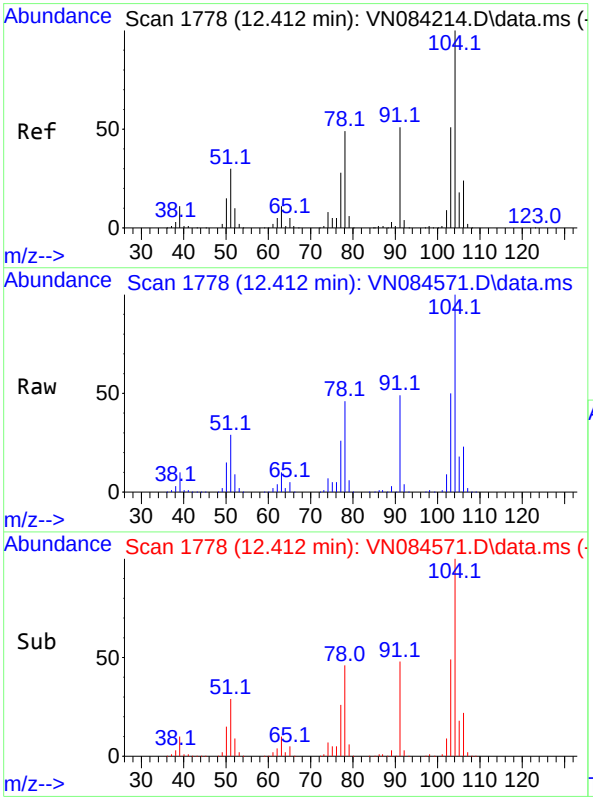
#69
o-Xylene
Concen: 52.183 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 192710

Ion	Ratio	Lower	Upper
106	100		
91	222.8	110.2	330.6

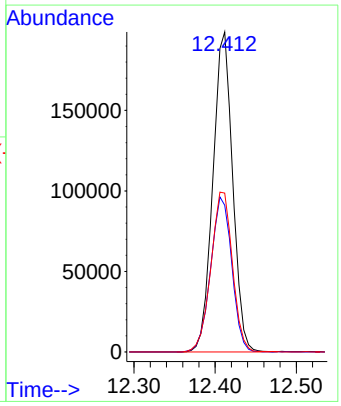


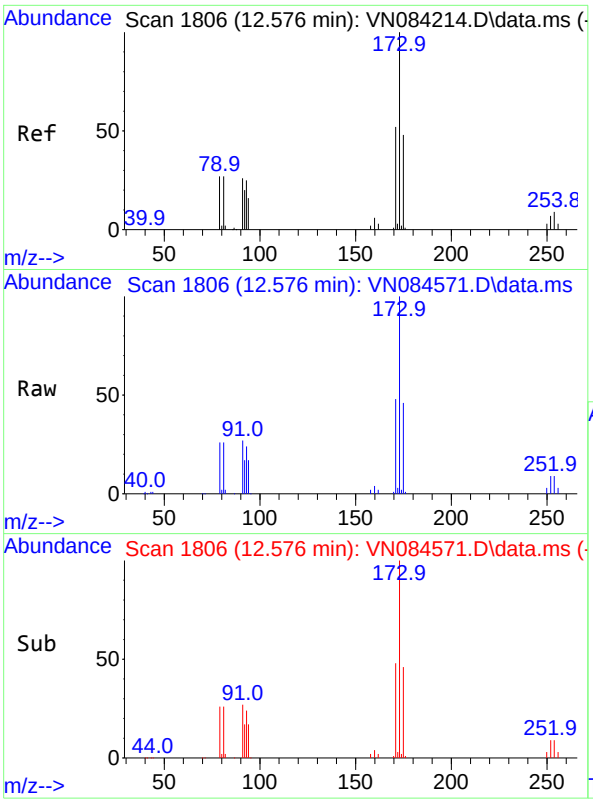


#70
Styrene
Concen: 52.245 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



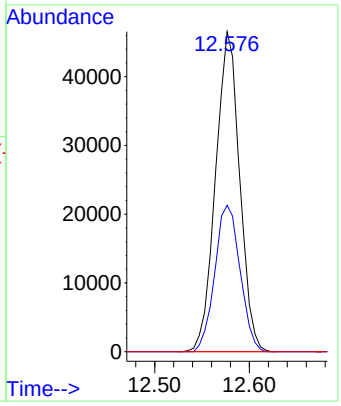


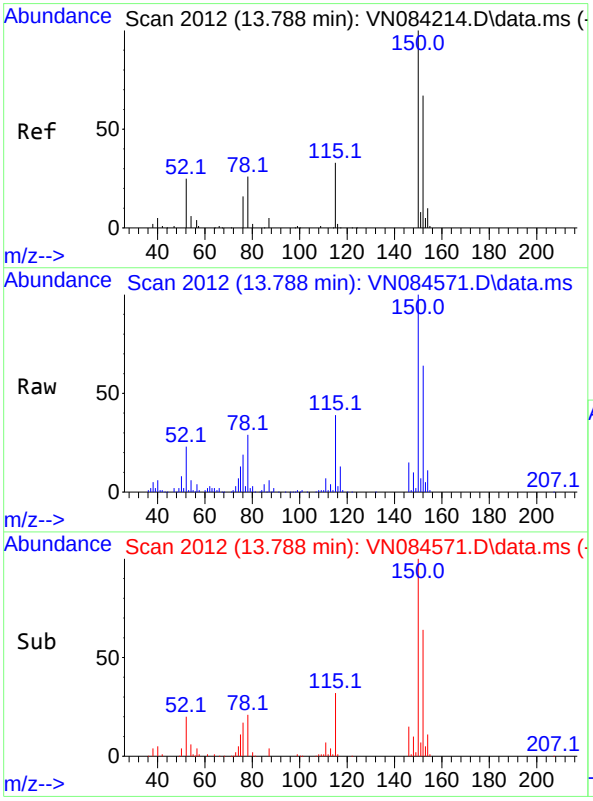
#71
Bromoform
Concen: 50.303 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

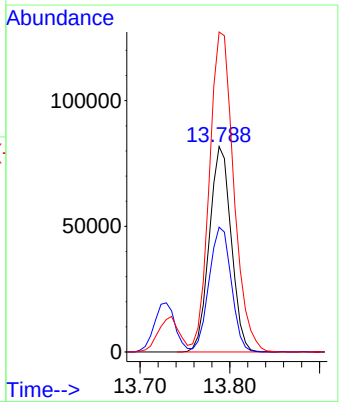


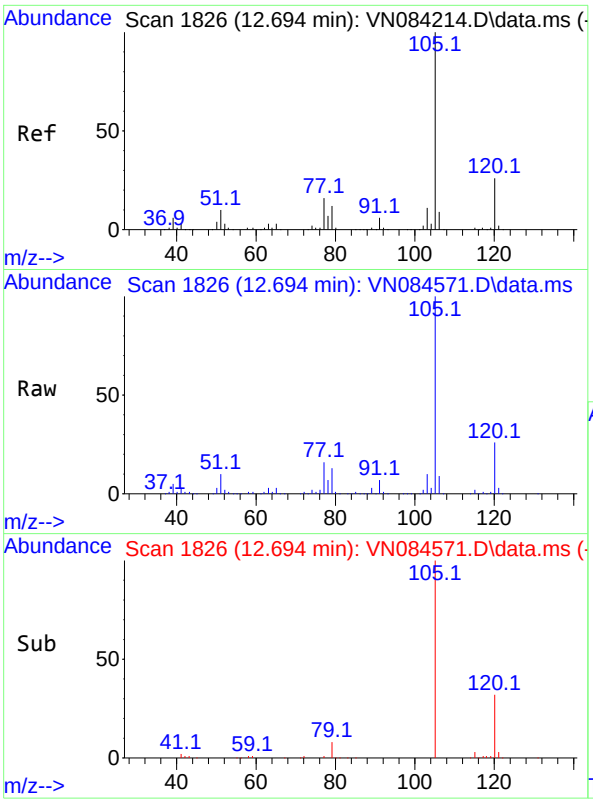


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



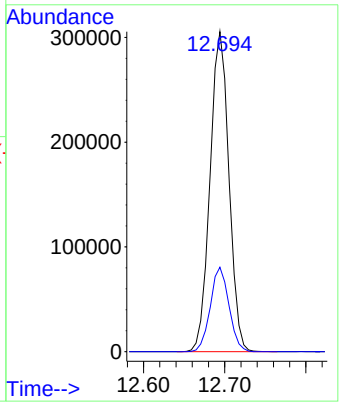


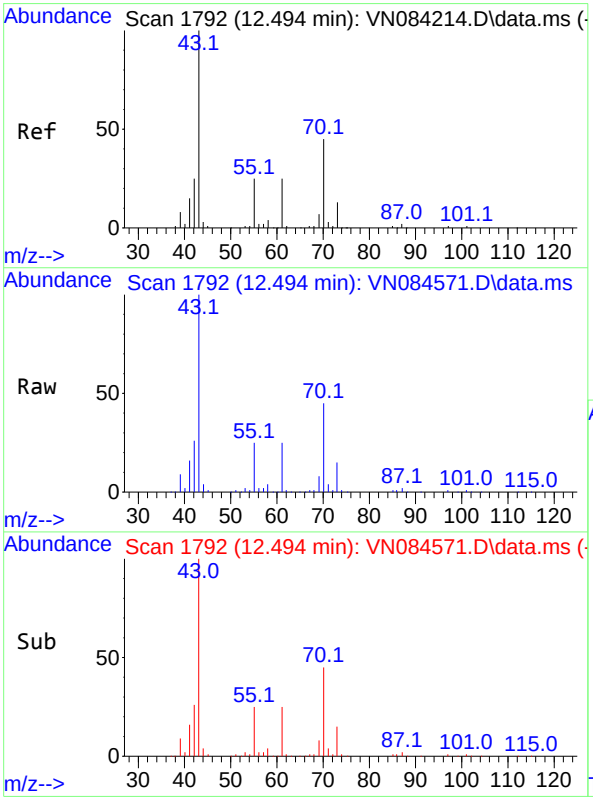
#73
Isopropylbenzene
Concen: 50.942 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 493742

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

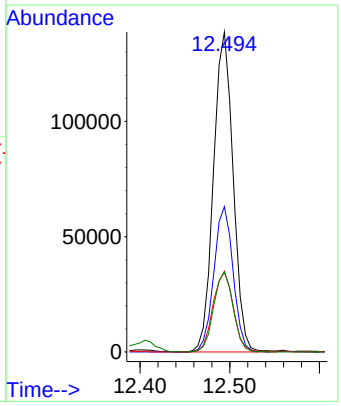


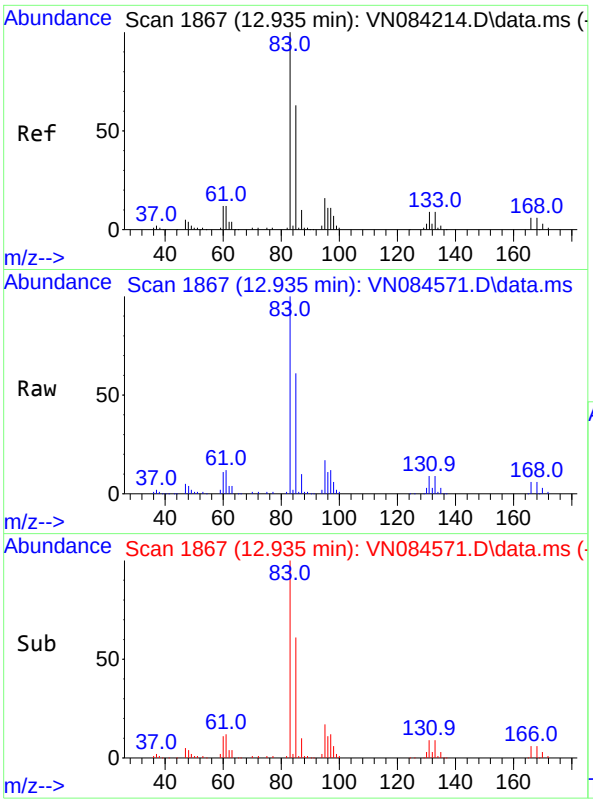


#74
N-amyl acetate
Concen: 51.228 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



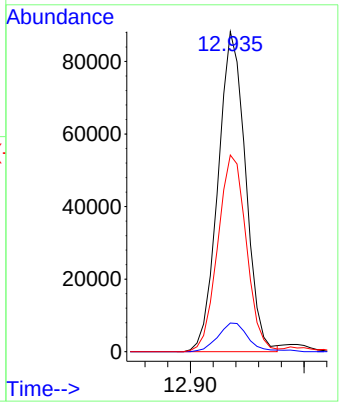


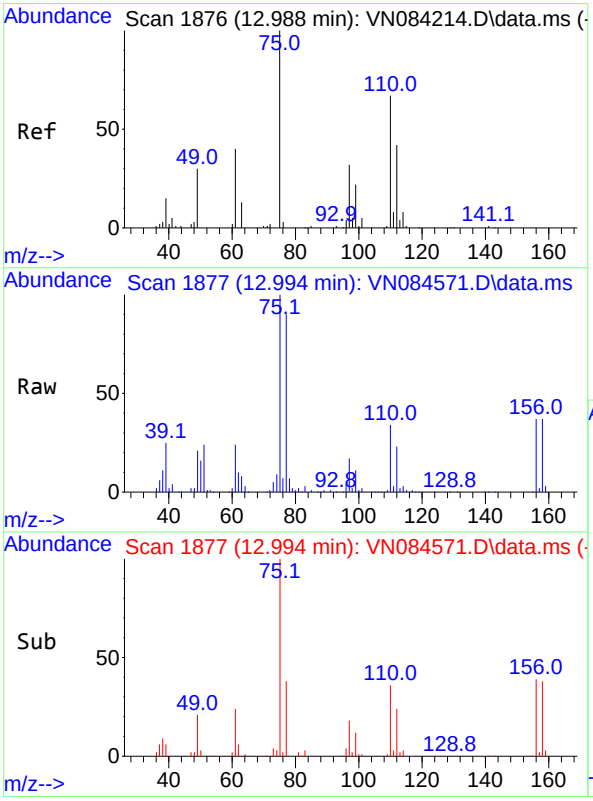
#75
1,1,2,2-Tetrachloroethane
Concen: 45.884 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

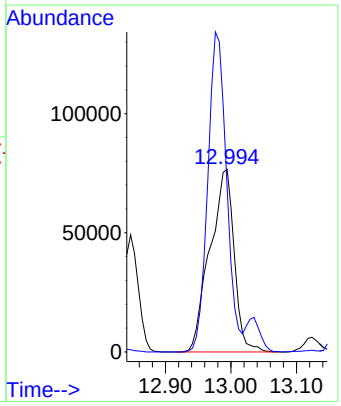


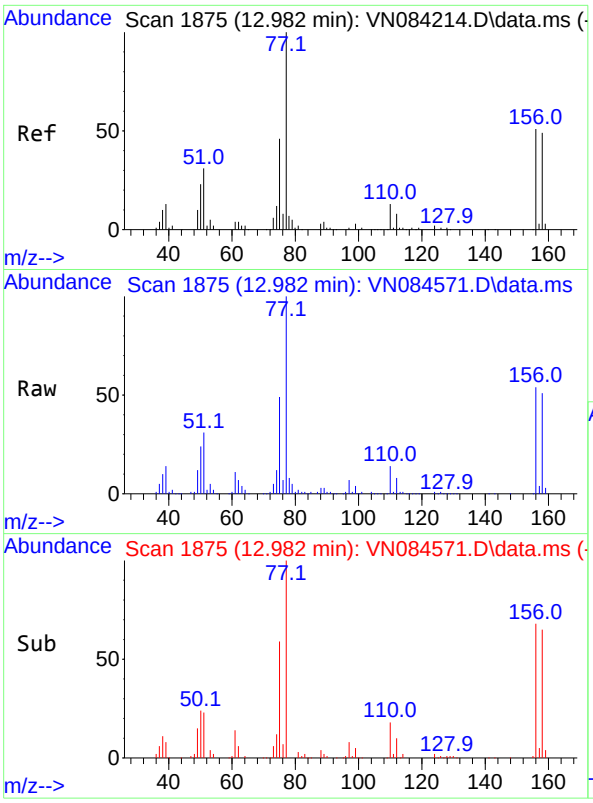


#76
1,2,3-Trichloropropane
Concen: 72.110 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 75 Resp: 196805

Ion	Ratio	Lower	Upper
75	100		
77	135.7	96.9	290.7



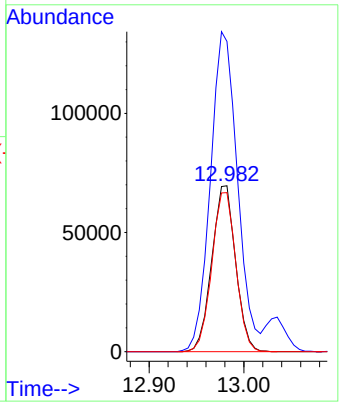


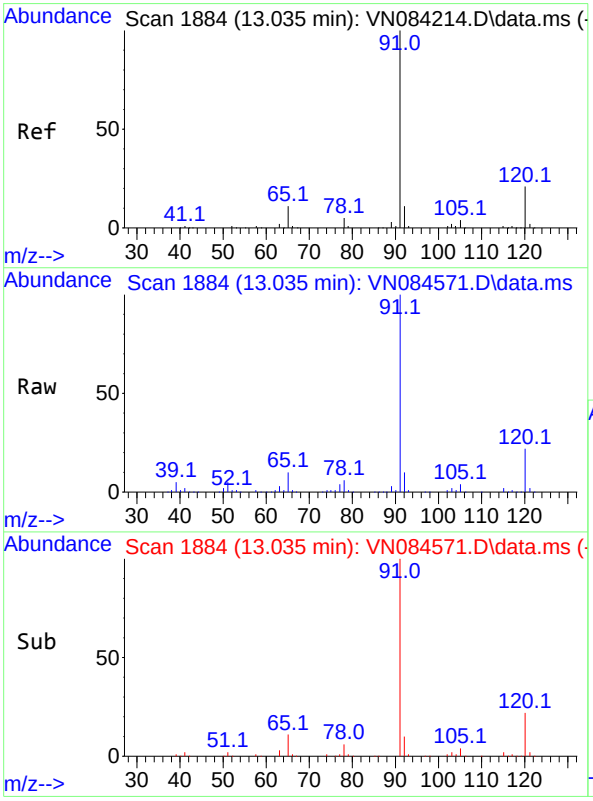
#77
Bromobenzene
Concen: 46.847 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

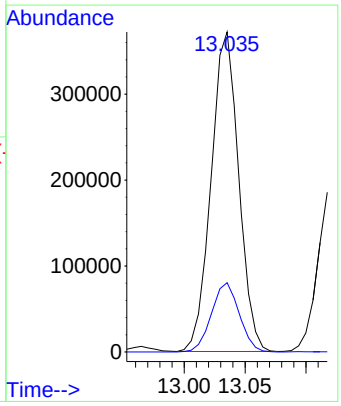


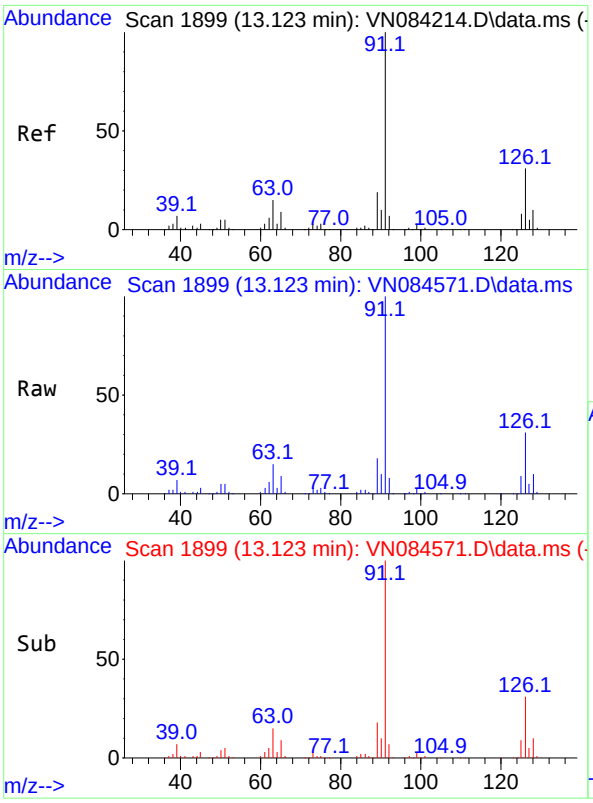


#78
n-propylbenzene
Concen: 51.587 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 585903

Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.8	32.4



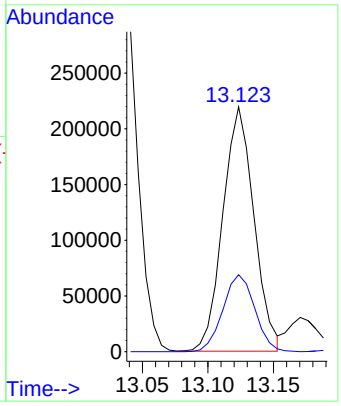


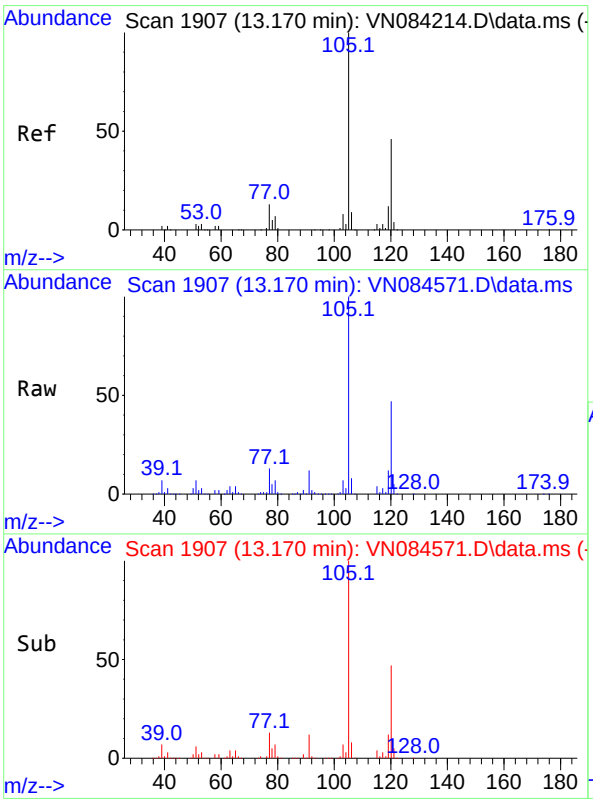
#79
2-Chlorotoluene
Concen: 48.850 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 362526

Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.7	47.1

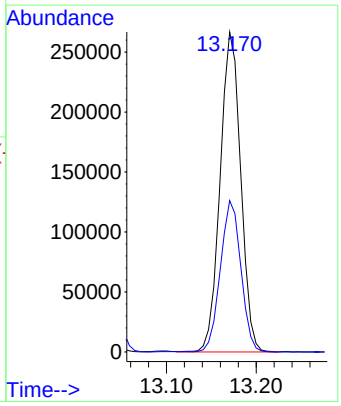


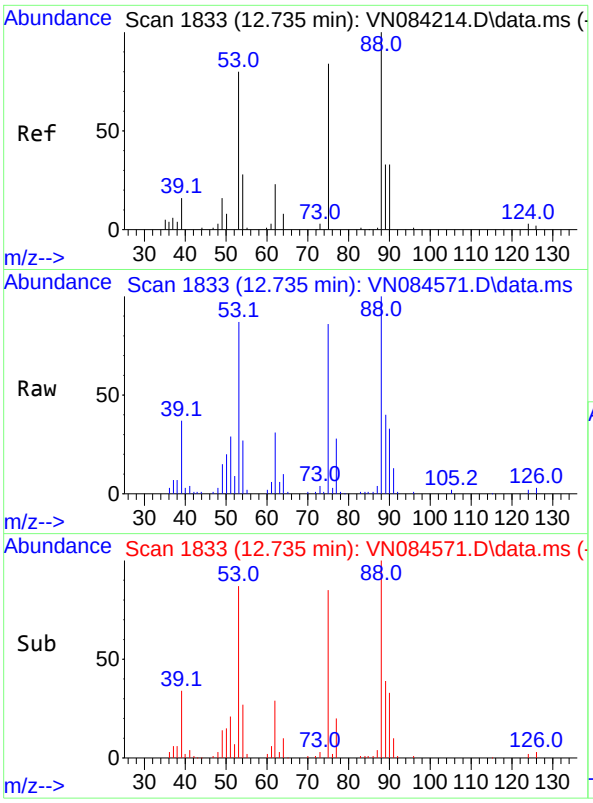


#80
1,3,5-Trimethylbenzene
Concen: 52.823 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 424332

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



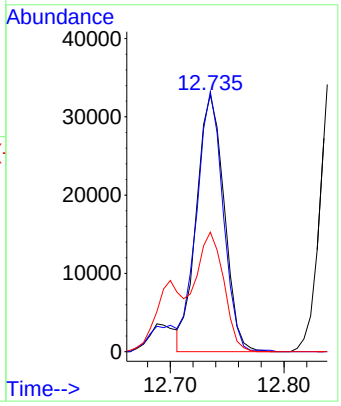


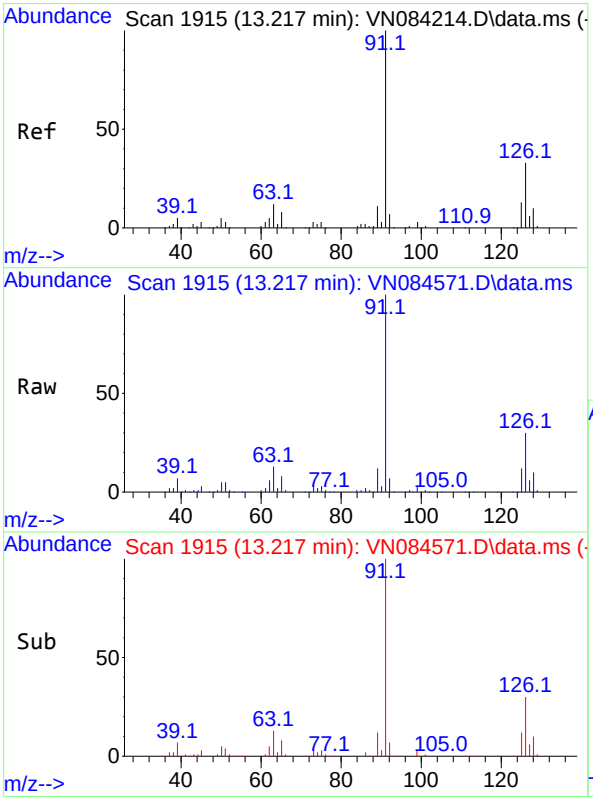
#81
trans-1,4-Dichloro-2-butene
Concen: 47.612 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

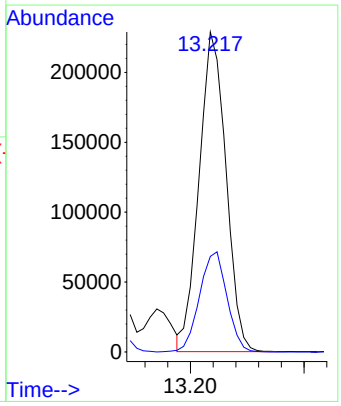


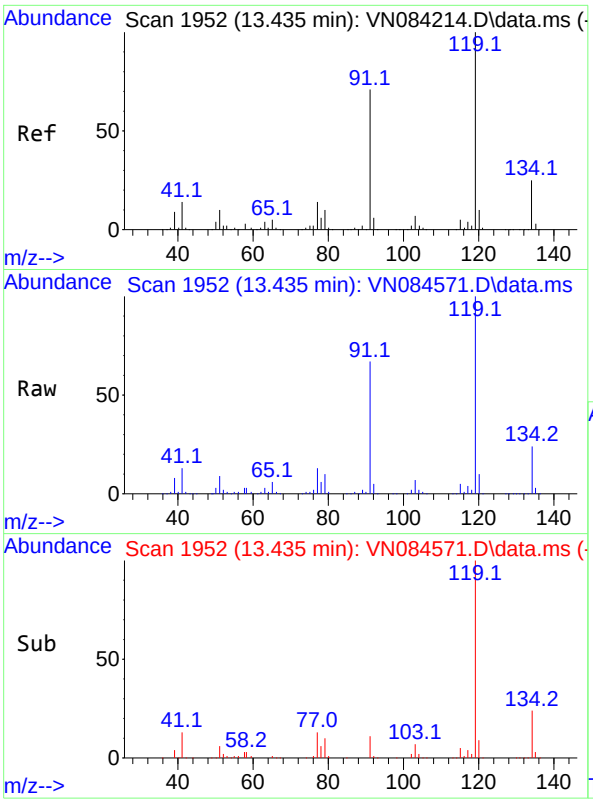


#82
4-Chlorotoluene
Concen: 48.097 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion: 91 Resp: 375636

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



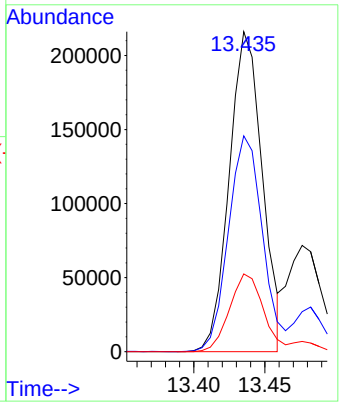


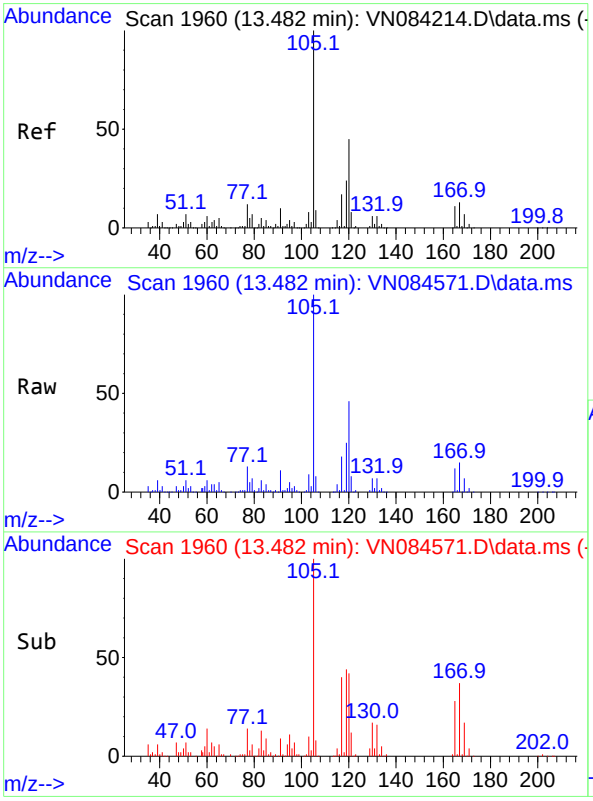
#83
tert-Butylbenzene
Concen: 52.649 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

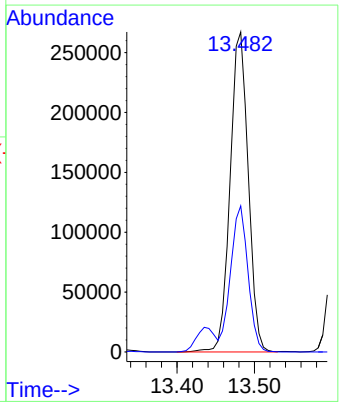


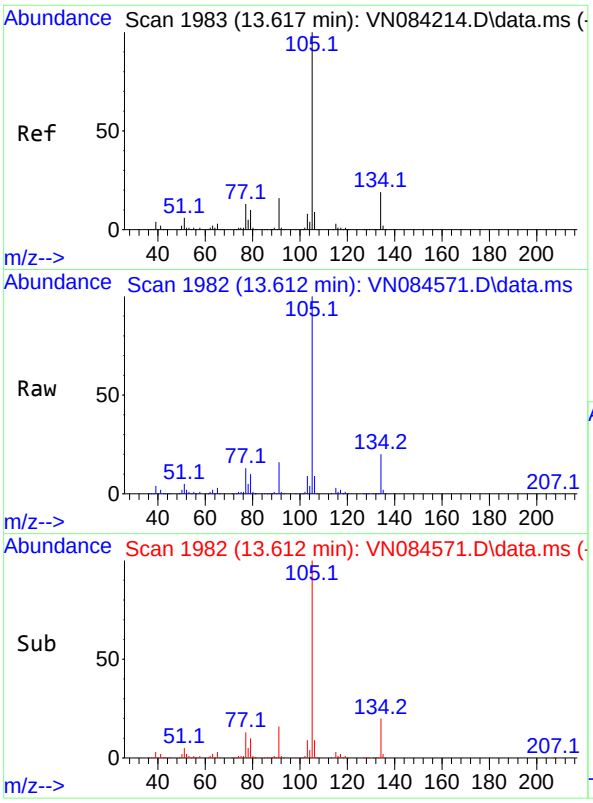


#84
1,2,4-Trimethylbenzene
Concen: 52.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:105 Resp: 435421

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.3	66.8



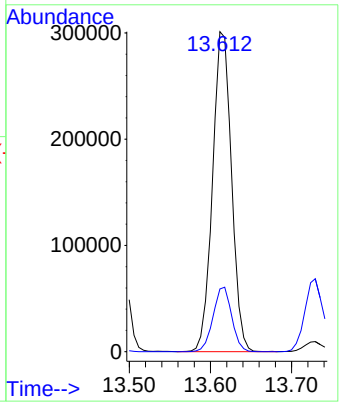


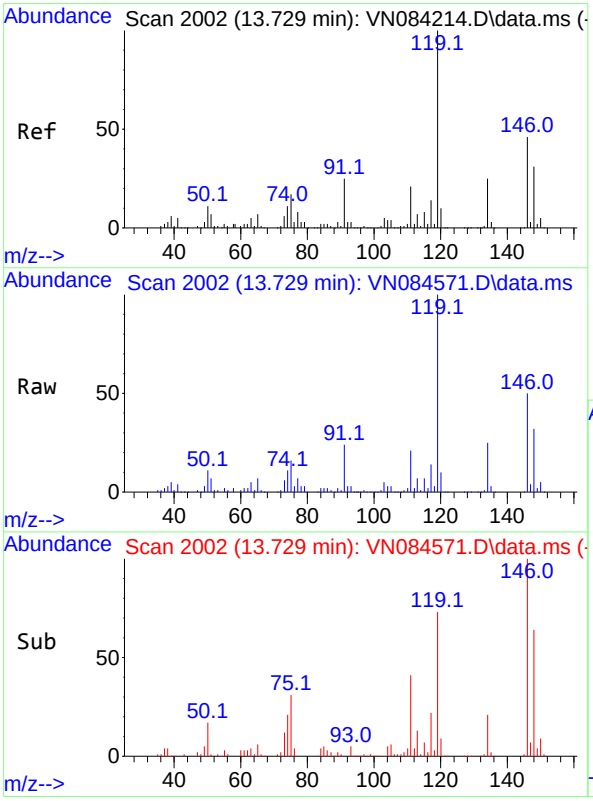
#85
sec-Butylbenzene
Concen: 52.102 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 489305

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.4

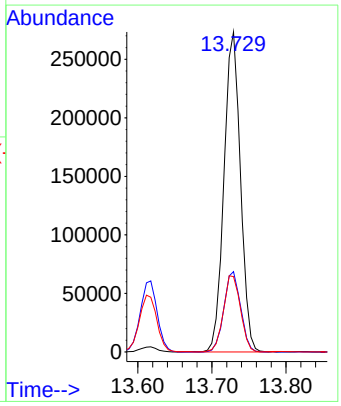


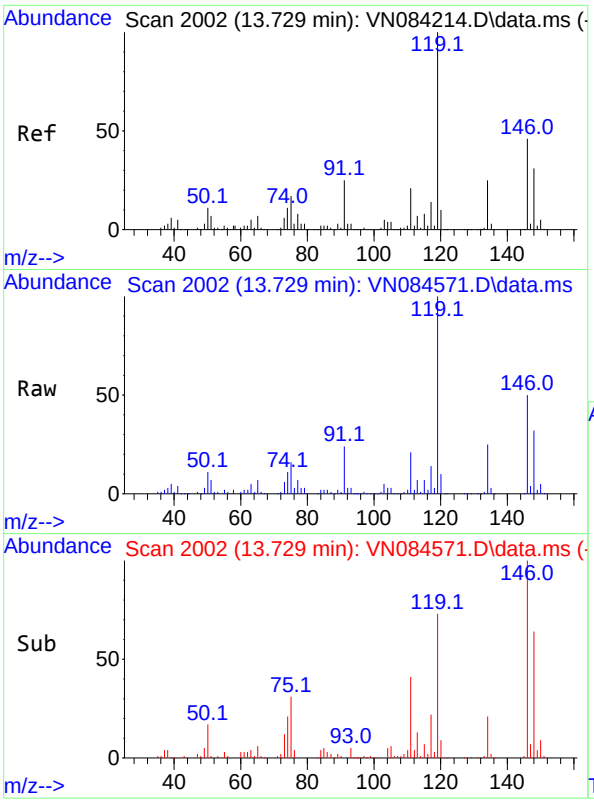


#86
p-Isopropyltoluene
Concen: 54.770 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



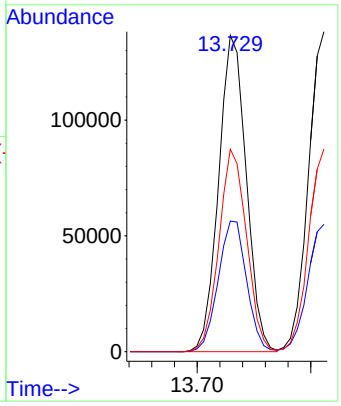


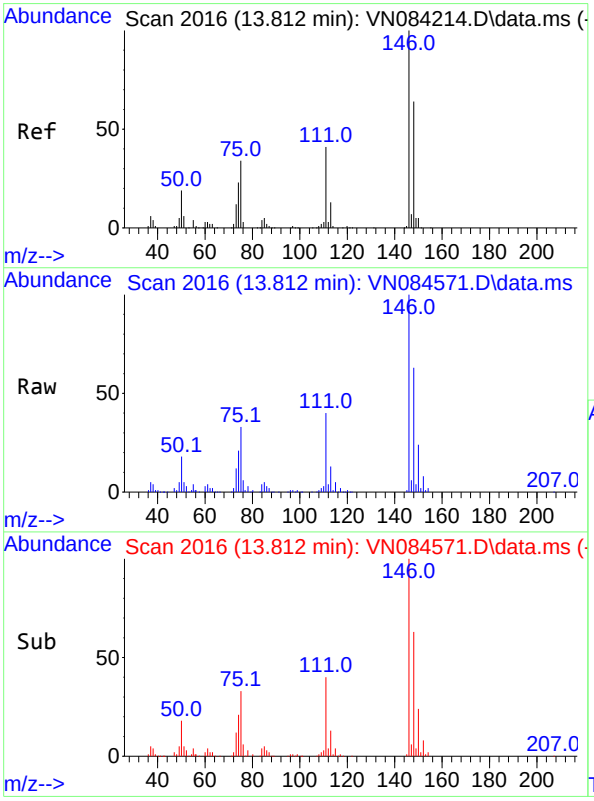
#87
1,3-Dichlorobenzene
Concen: 45.366 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

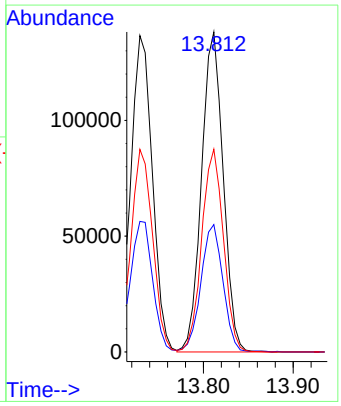


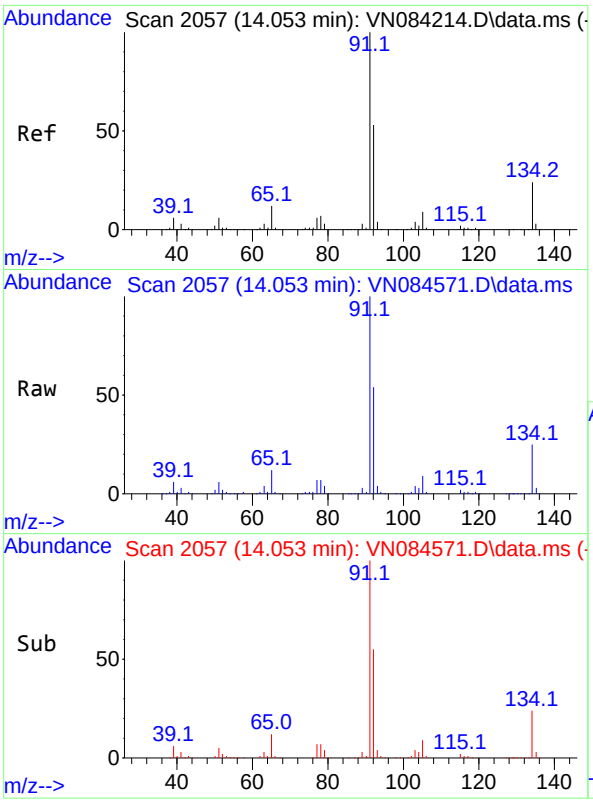


#88
1,4-Dichlorobenzene
Concen: 49.658 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



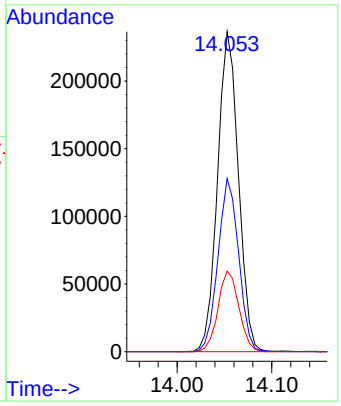


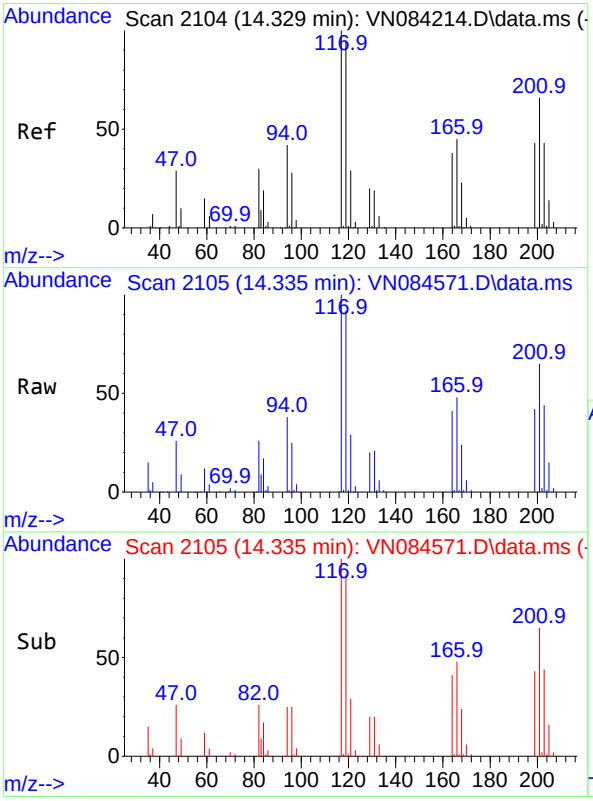
#89
n-Butylbenzene
Concen: 50.276 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

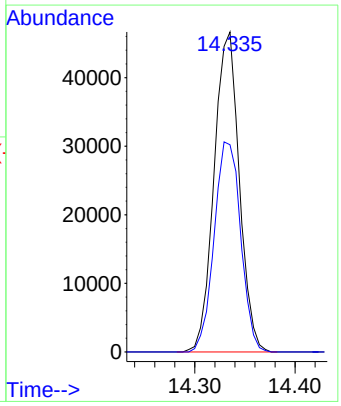


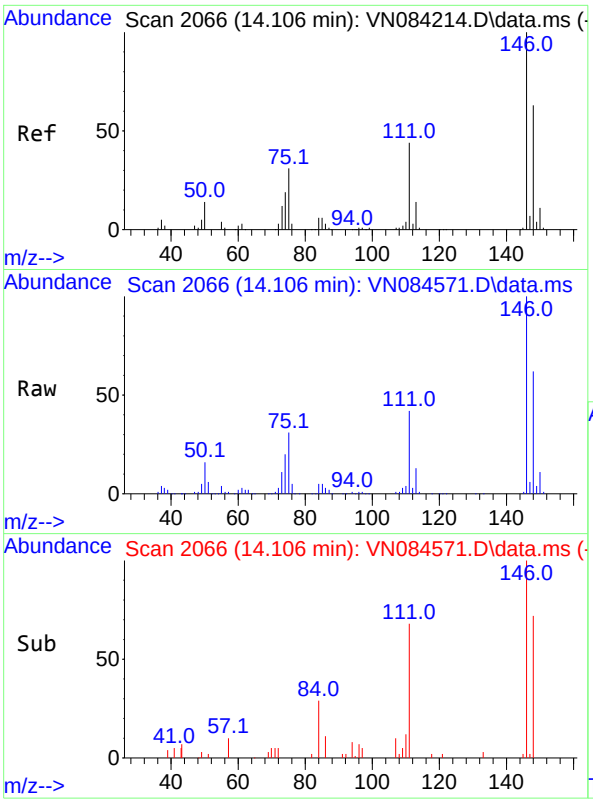


#90
Hexachloroethane
Concen: 47.459 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

Tgt Ion:117 Resp: 81515

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2



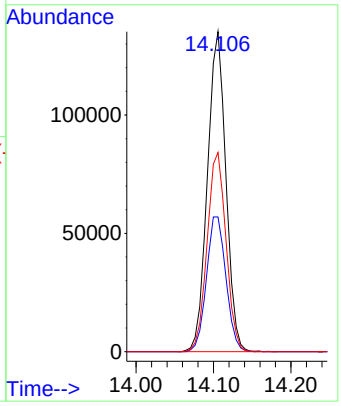


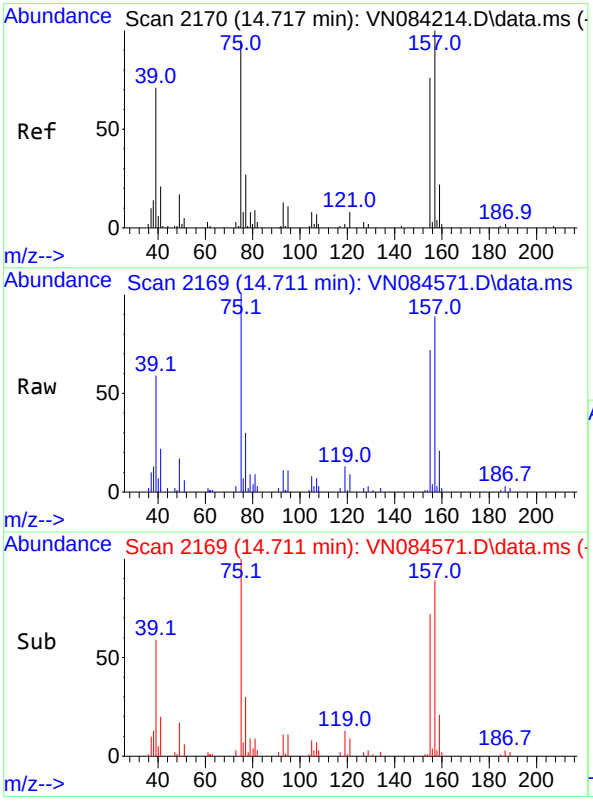
#91
1,2-Dichlorobenzene
Concen: 45.796 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

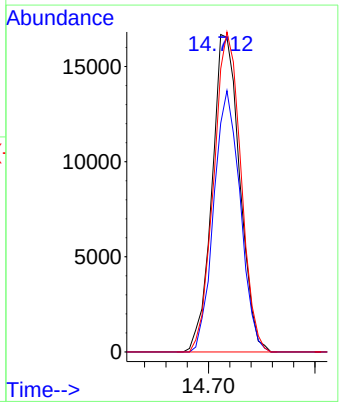


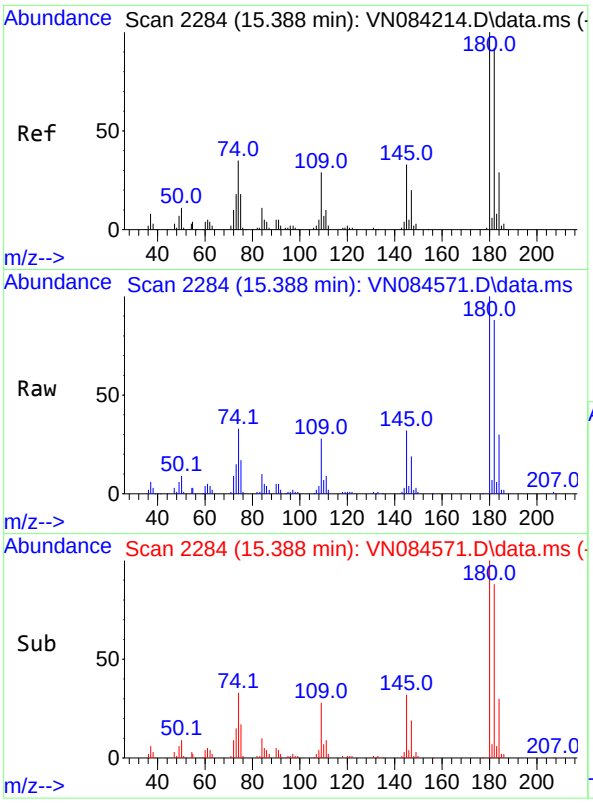


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.754 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



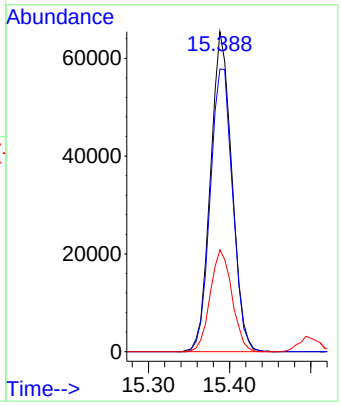


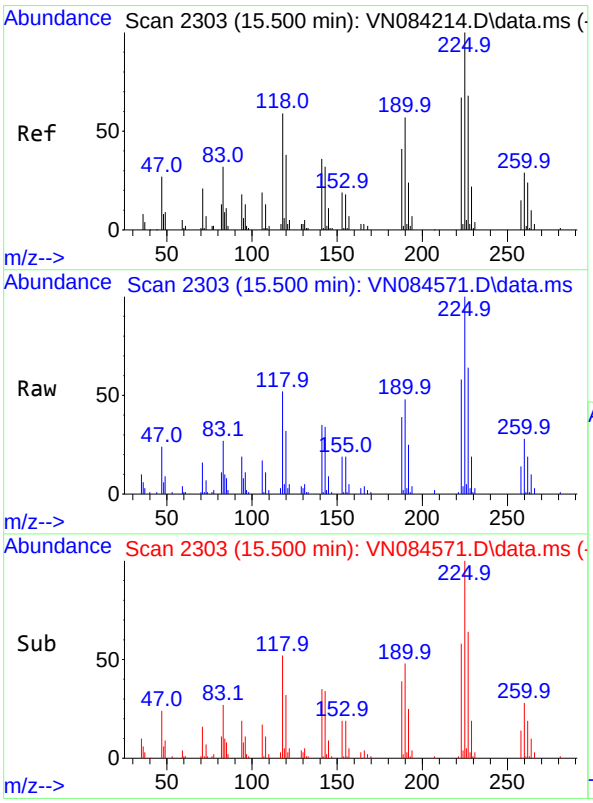
#93
1,2,4-Trichlorobenzene
Concen: 44.711 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

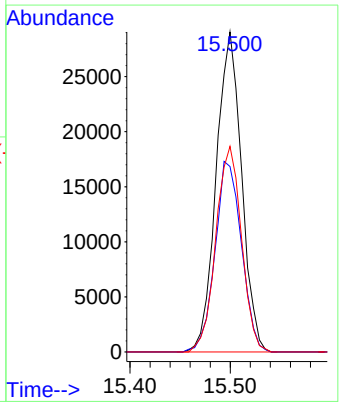


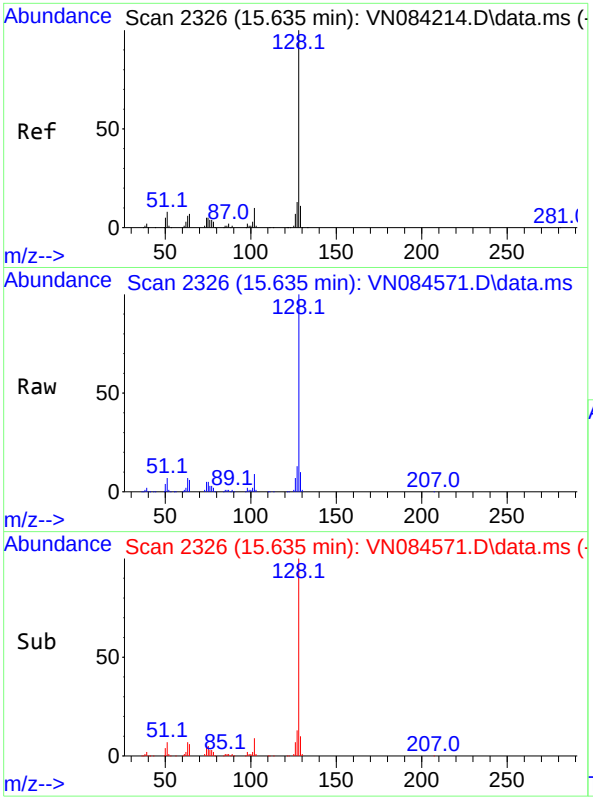


#94
Hexachlorobutadiene
Concen: 43.451 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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



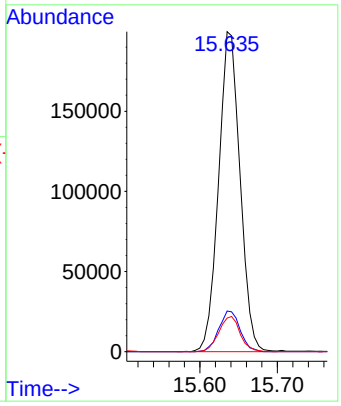


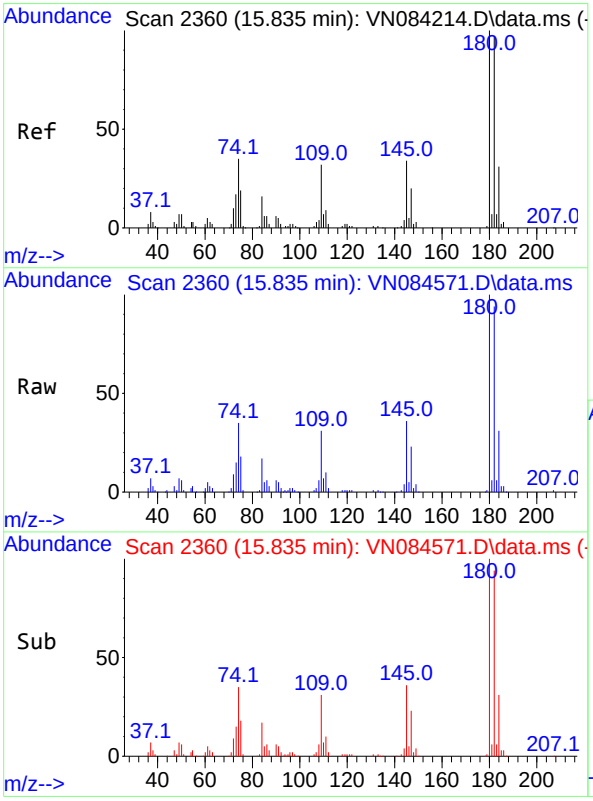
#95
Naphthalene
Concen: 48.037 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

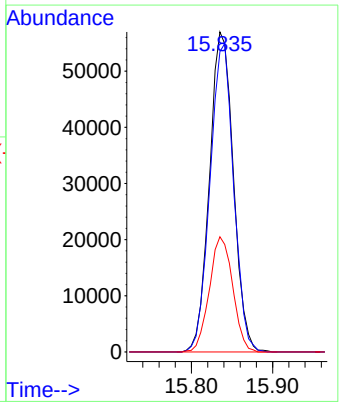




#96
1,2,3-Trichlorobenzene
Concen: 44.812 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084571.D
Acq: 30 Oct 2024 12:09

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

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)

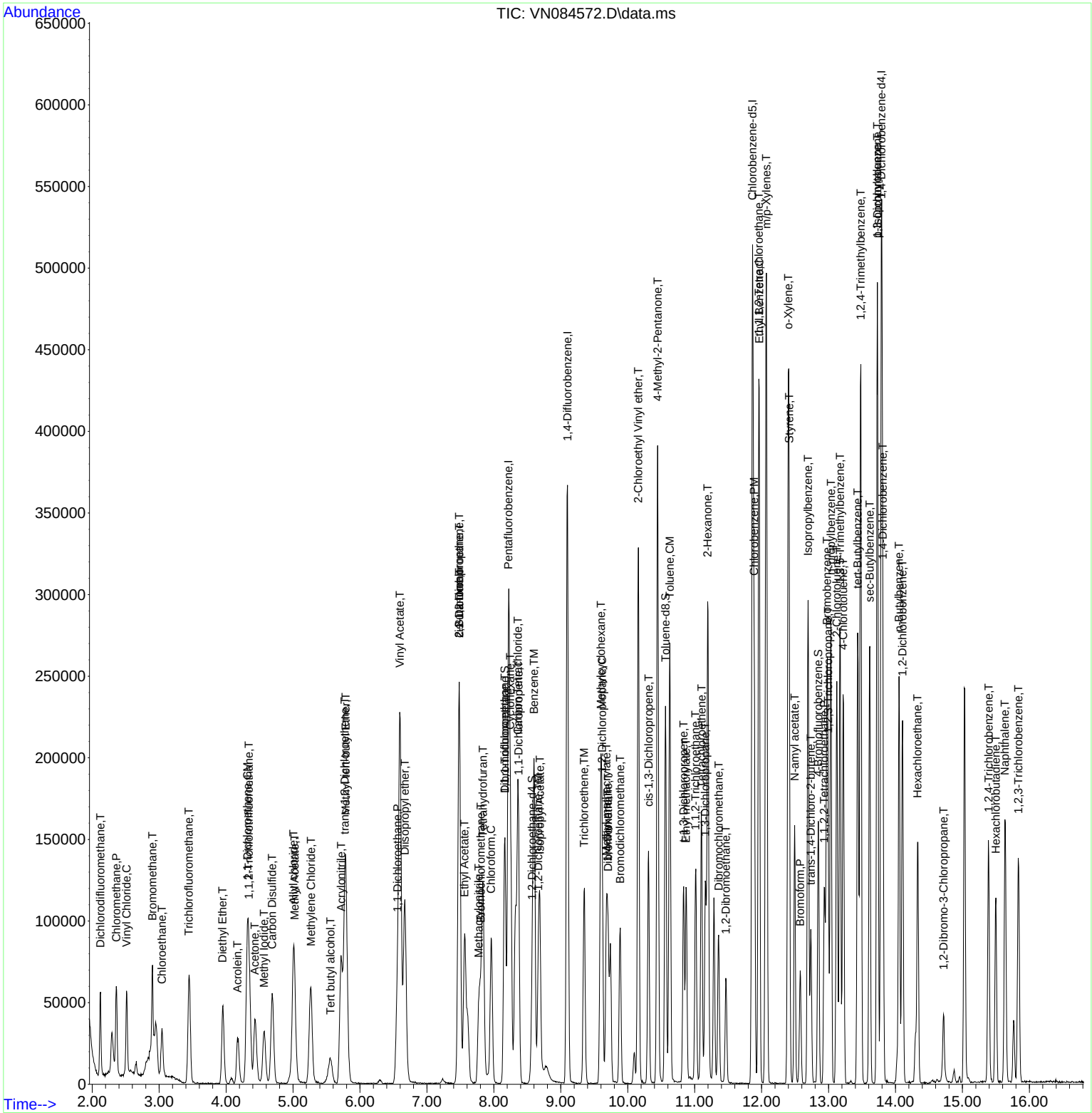
(#) = qualifier out of range (m) = manual integration (+) = signals summed

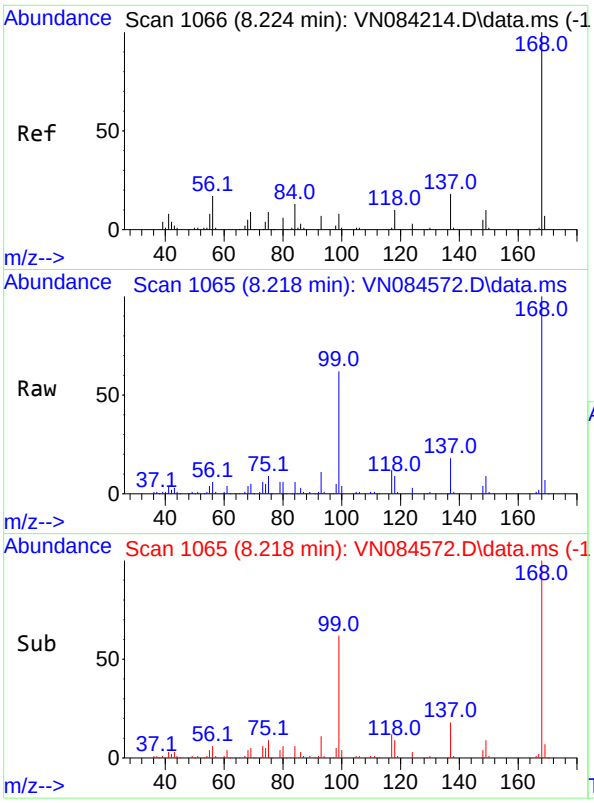
Quantitation Report (Not Reviewed)

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



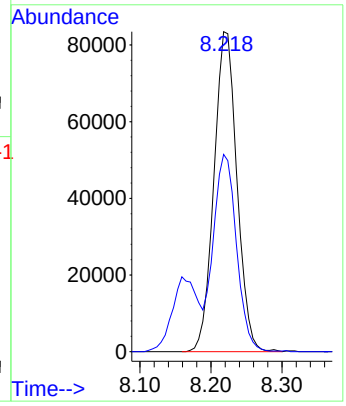


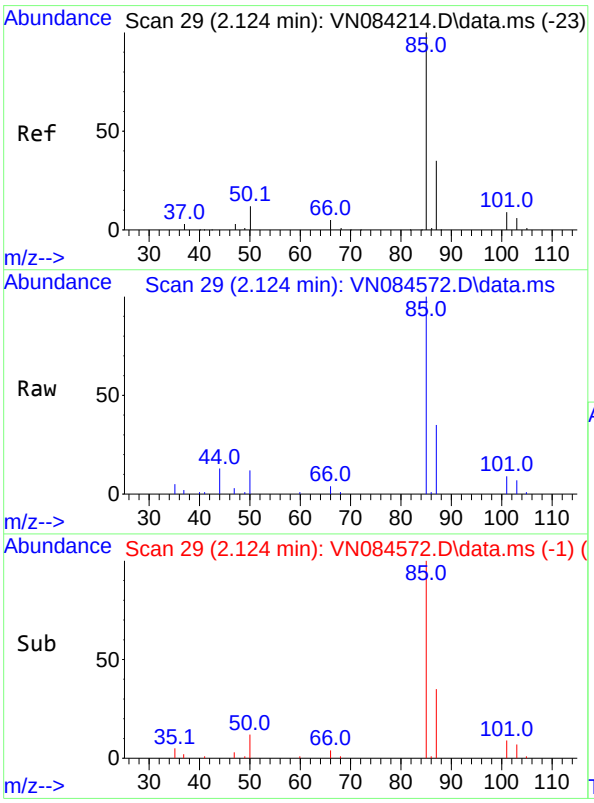
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 187576

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

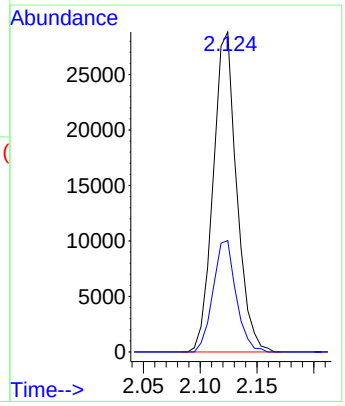


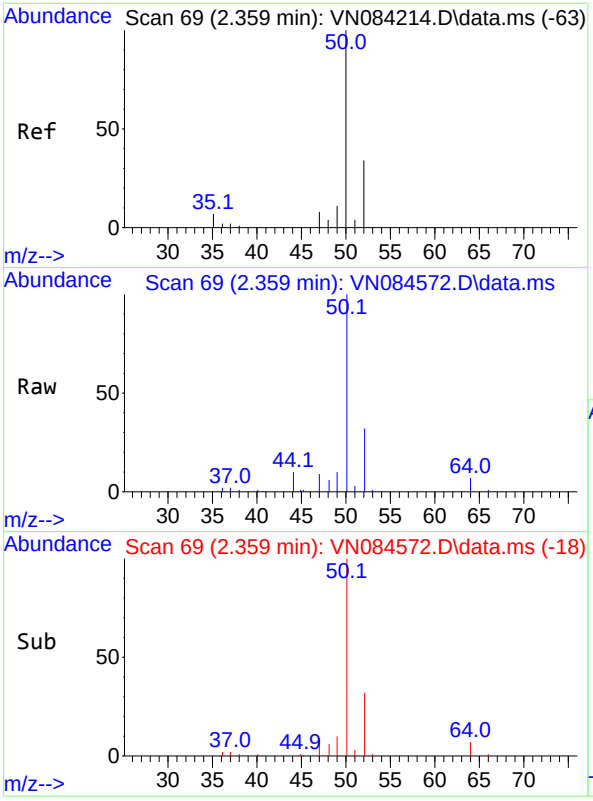


#2
Dichlorodifluoromethane
Concen: 19.219 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 85 Resp: 41443

Ion	Ratio	Lower	Upper
85	100		
87	34.8	17.6	52.9



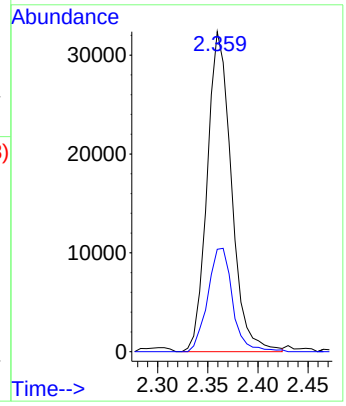


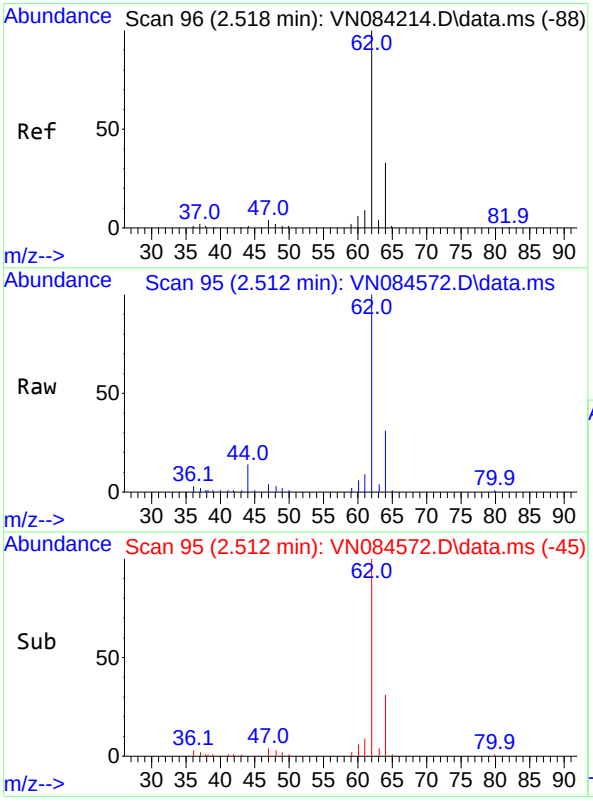
#3
Chloromethane
Concen: 19.993 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 54414

Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.8	40.2

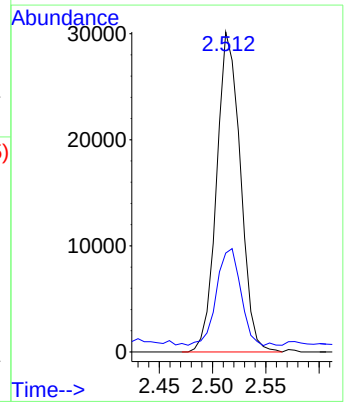


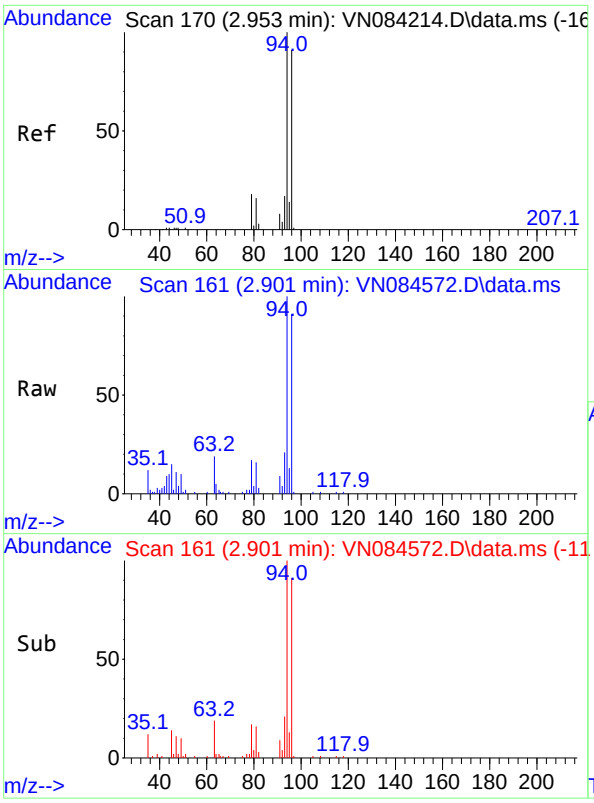


#4
Vinyl Chloride
Concen: 20.140 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 46710

Ion	Ratio	Lower	Upper
62	100		
64	28.8	26.2	39.4



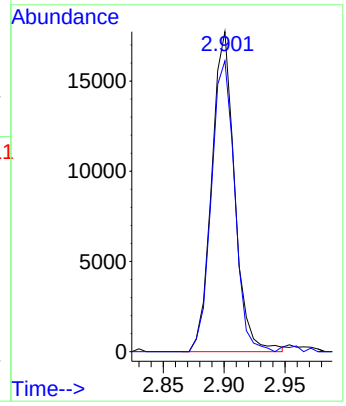


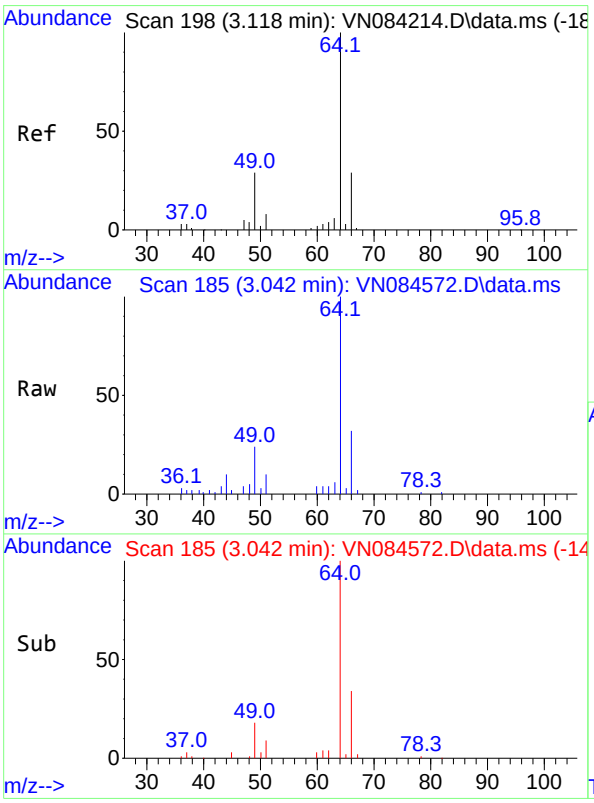
#5
Bromomethane
Concen: 18.916 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 23244

Ion	Ratio	Lower	Upper
94	100		
96	90.9	72.9	109.3

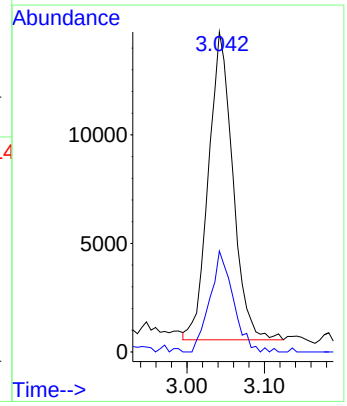


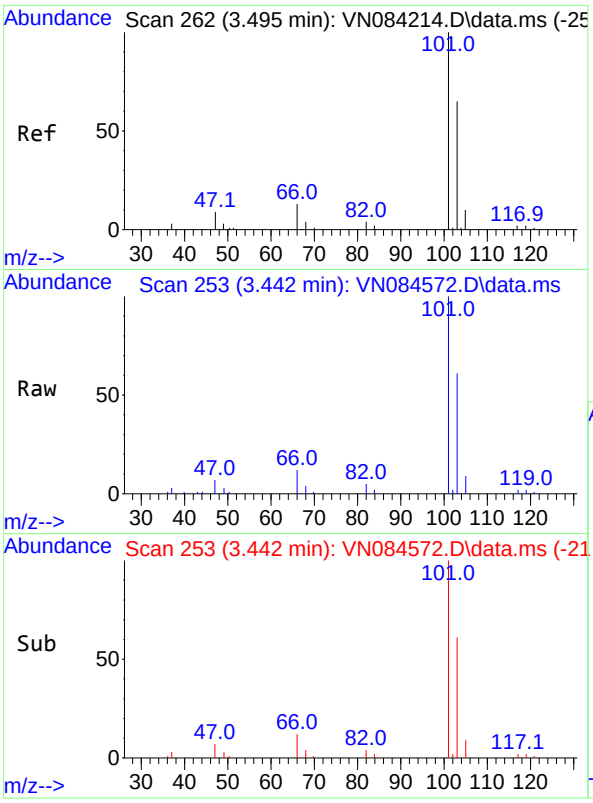


#6
Chloroethane
Concen: 20.772 ug/l
RT: 3.042 min Scan# 185
Delta R.T. -0.076 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 64 Resp: 30992

Ion	Ratio	Lower	Upper
64	100		
66	32.8	23.5	35.3



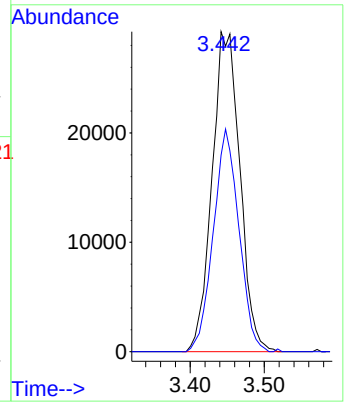


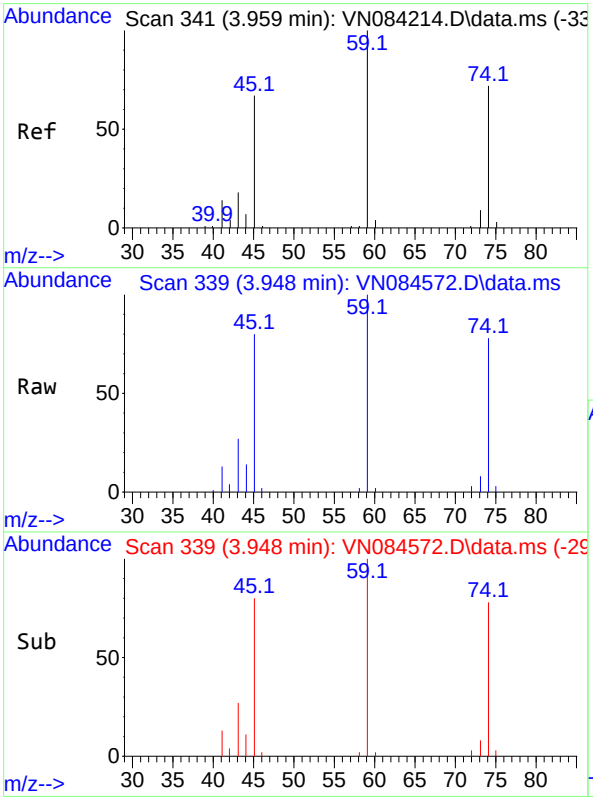
#7
Trichlorofluoromethane
Concen: 19.982 ug/l
RT: 3.442 min Scan# 2
Delta R.T. -0.053 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 76339

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.6

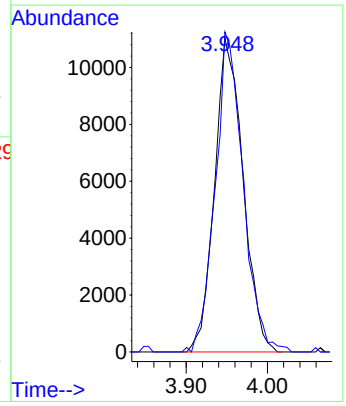


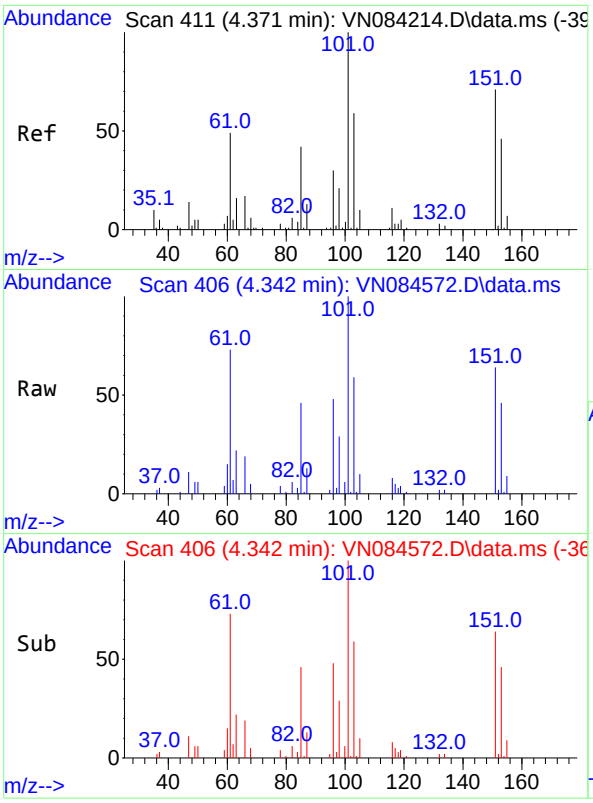


#8
Diethyl Ether
Concen: 19.963 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 74 Resp: 26904

Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.7	143.1



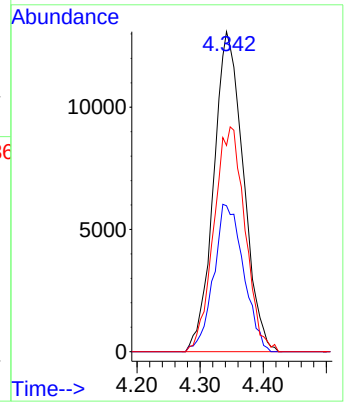


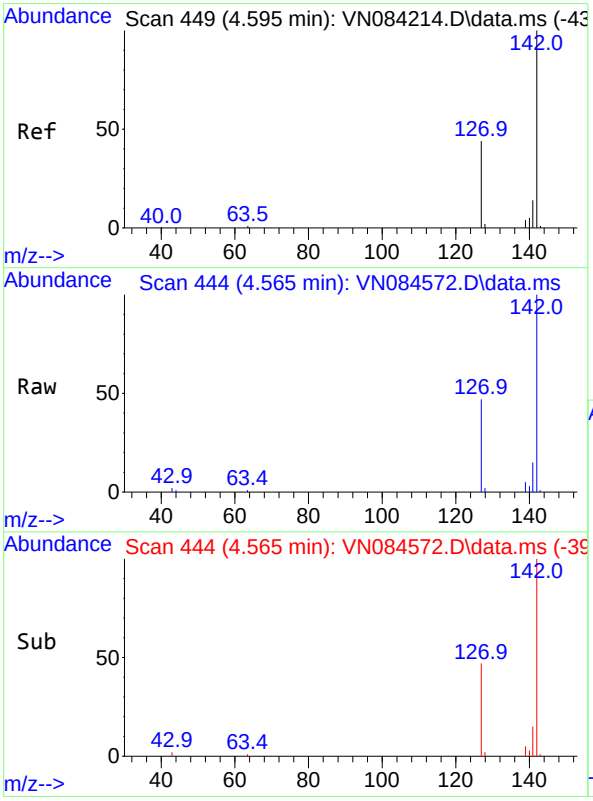
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.840 ug/l
RT: 4.342 min Scan# 4
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

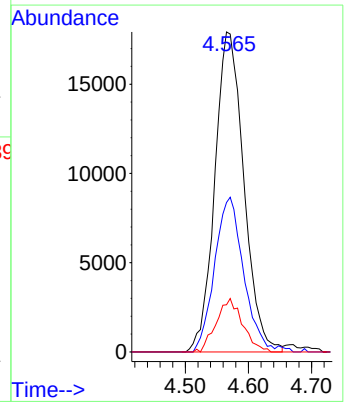


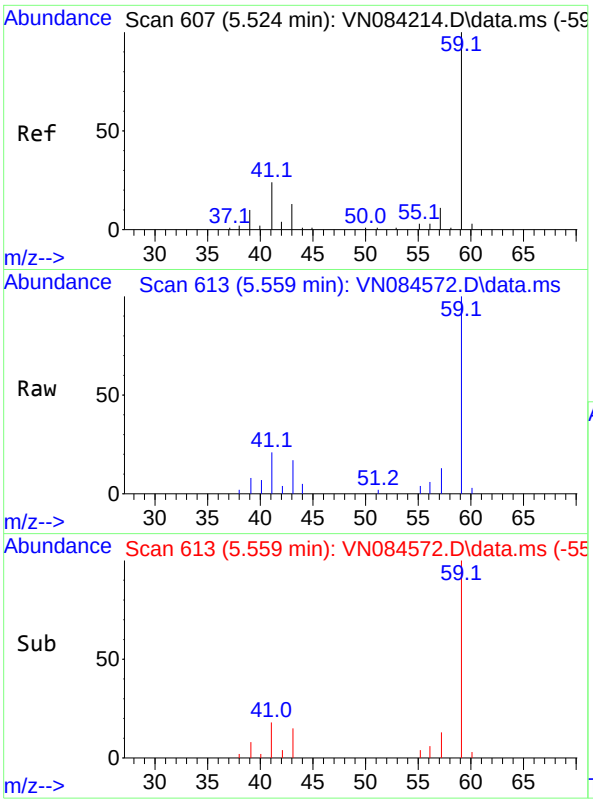


#10
Methyl Iodide
Concen: 19.865 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.029 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



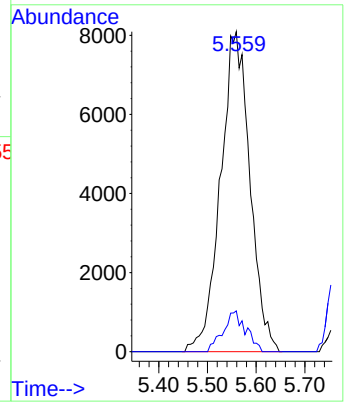


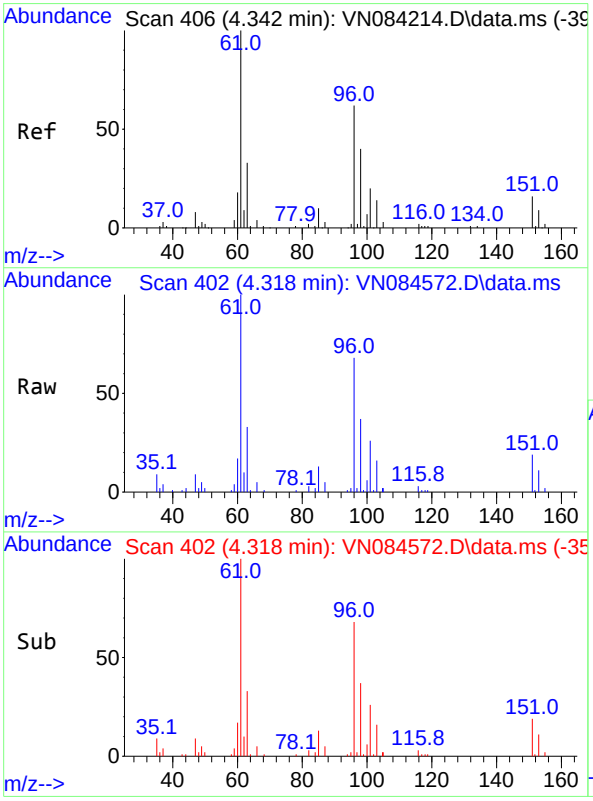
#11
Tert butyl alcohol
Concen: 94.871 ug/l
RT: 5.559 min Scan# 61
Delta R.T. 0.035 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 33927

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

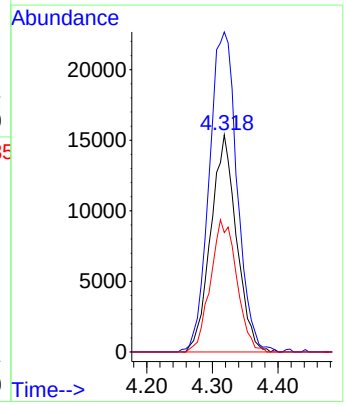


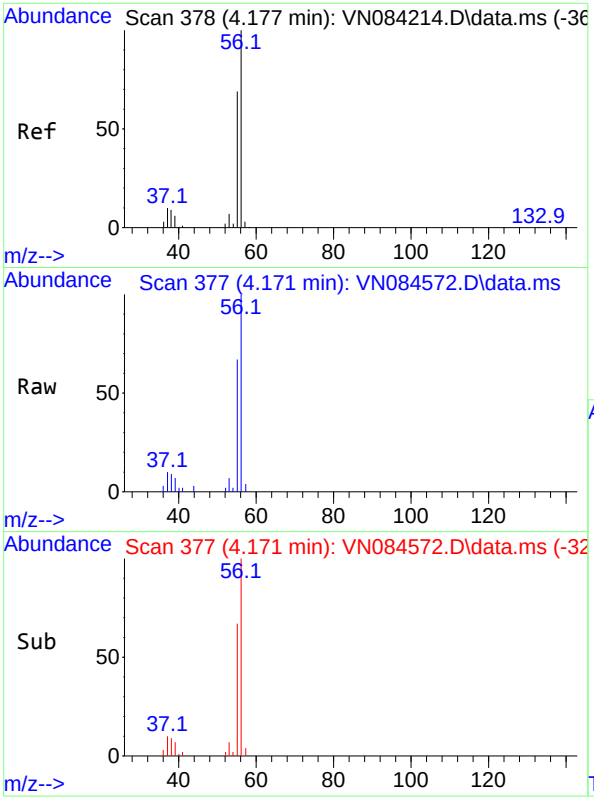


#12
1,1-Dichloroethene
Concen: 19.653 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



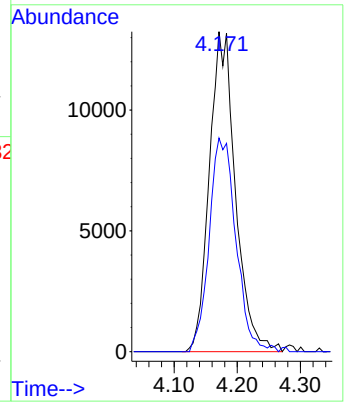


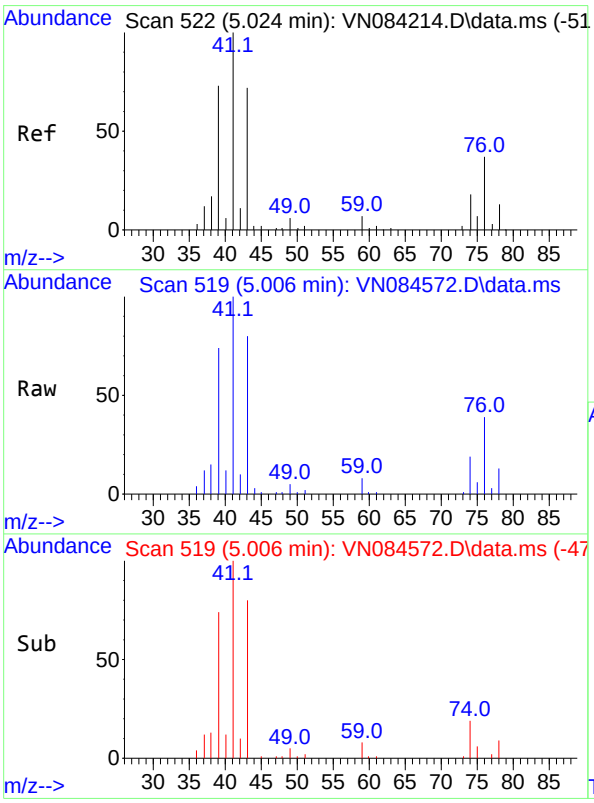
#13
Acrolein
Concen: 106.582 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 38007

Ion	Ratio	Lower	Upper
56	100		
55	68.4	57.2	85.8

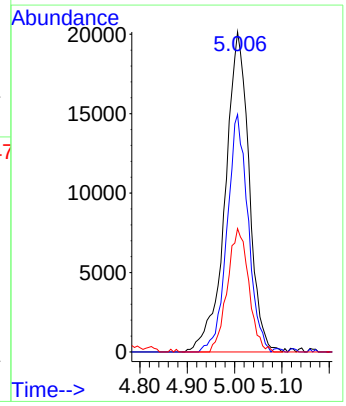


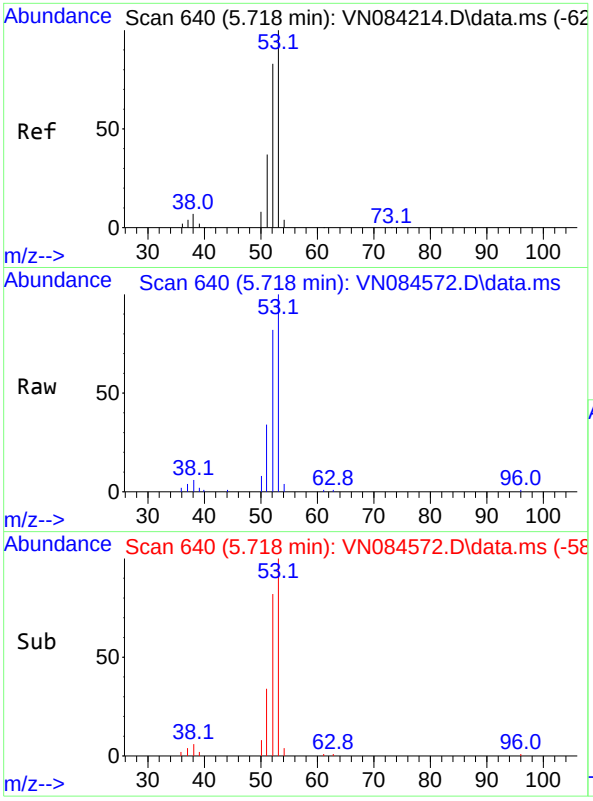


#14
Allyl chloride
Concen: 20.328 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



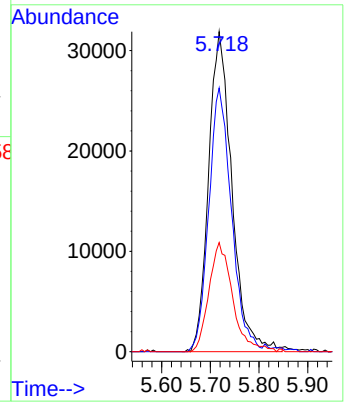


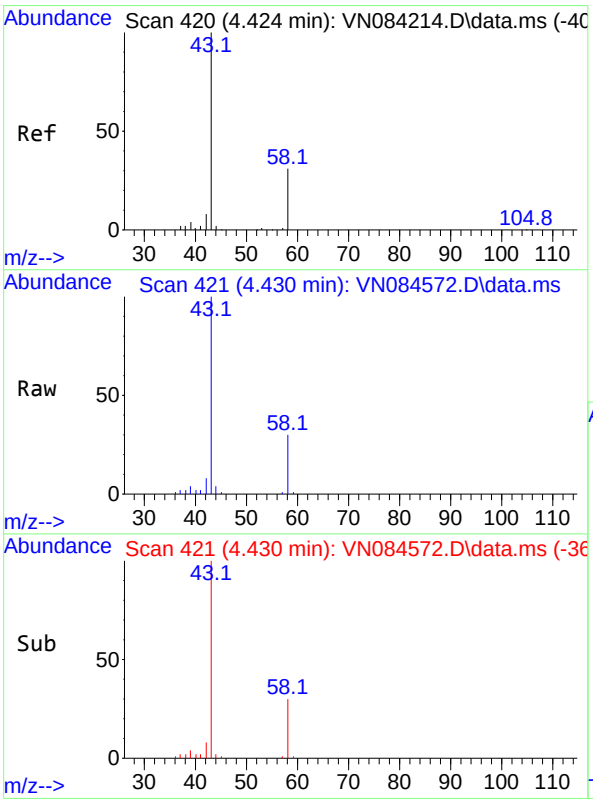
#15
Acrylonitrile
Concen: 102.304 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

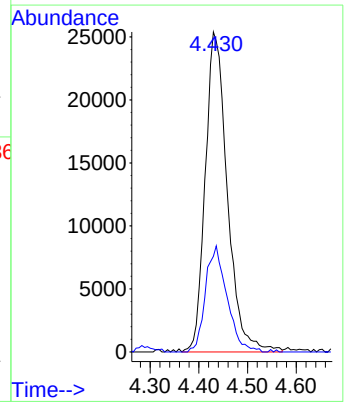


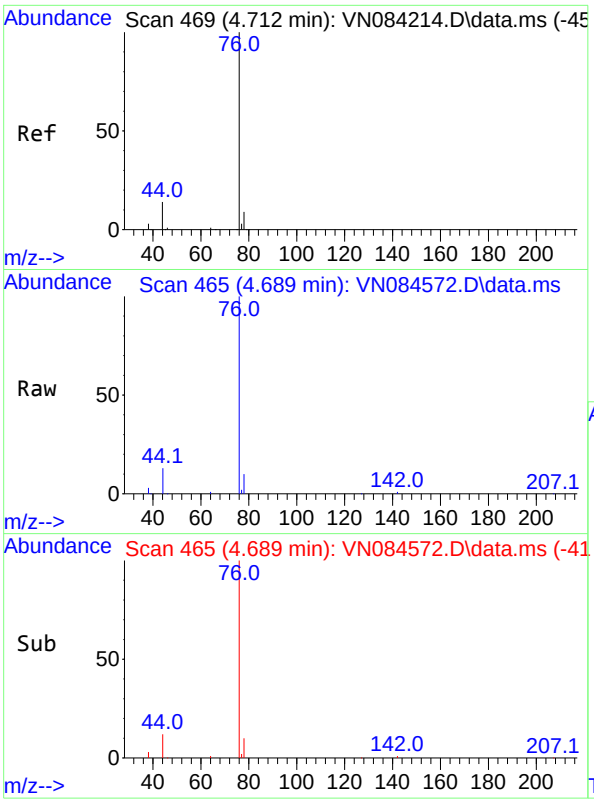


#16
Acetone
Concen: 100.481 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 79971

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.4	36.6



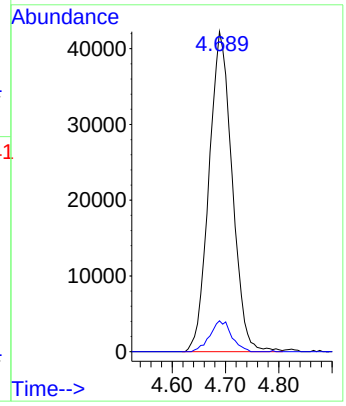


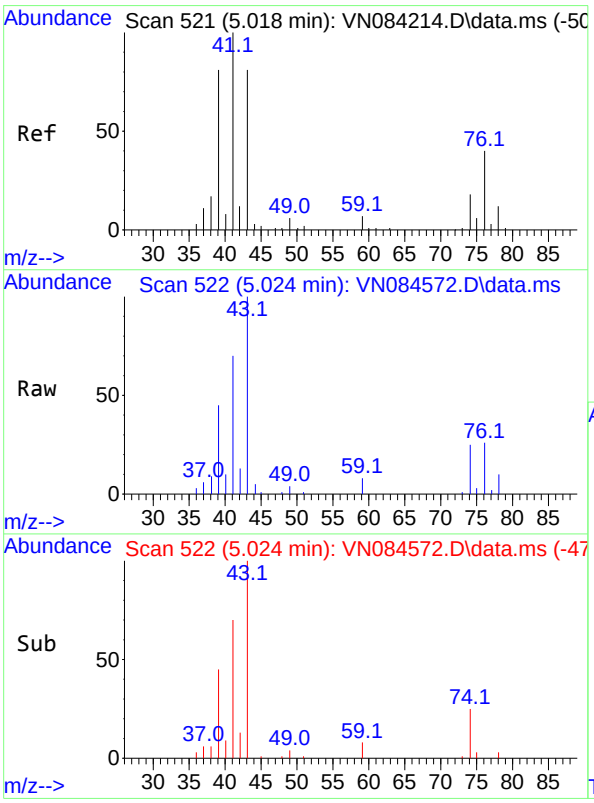
#17
Carbon Disulfide
Concen: 19.385 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 127521

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

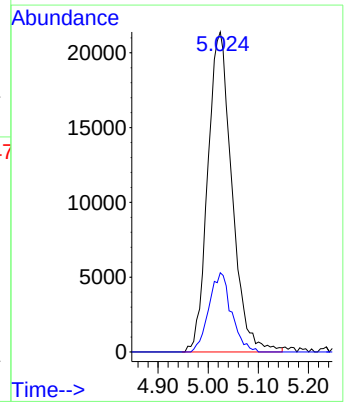


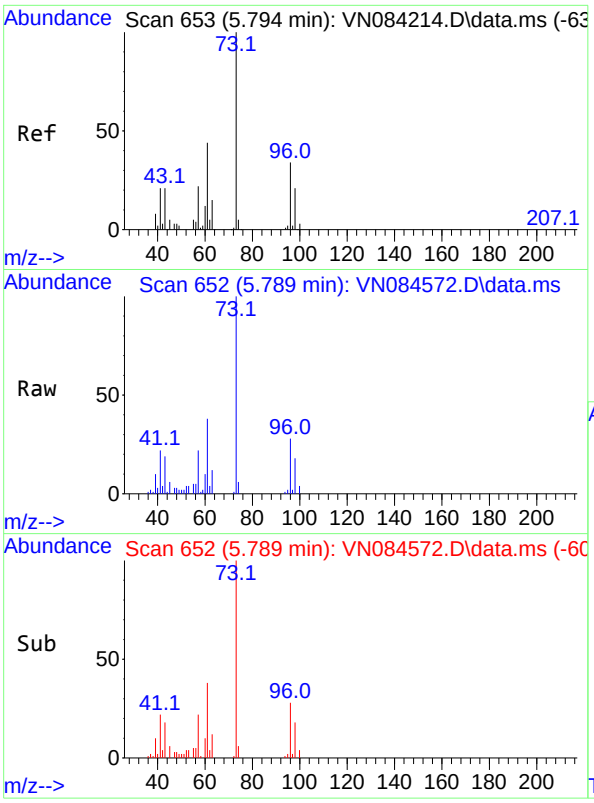


#18
Methyl Acetate
Concen: 22.882 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 43 Resp: 71604

Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.2	28.8



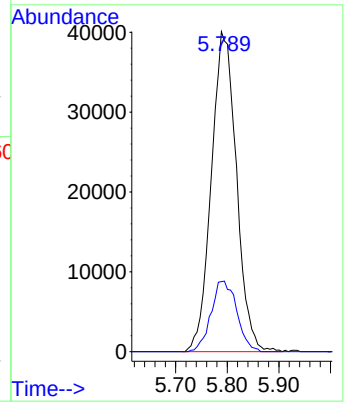


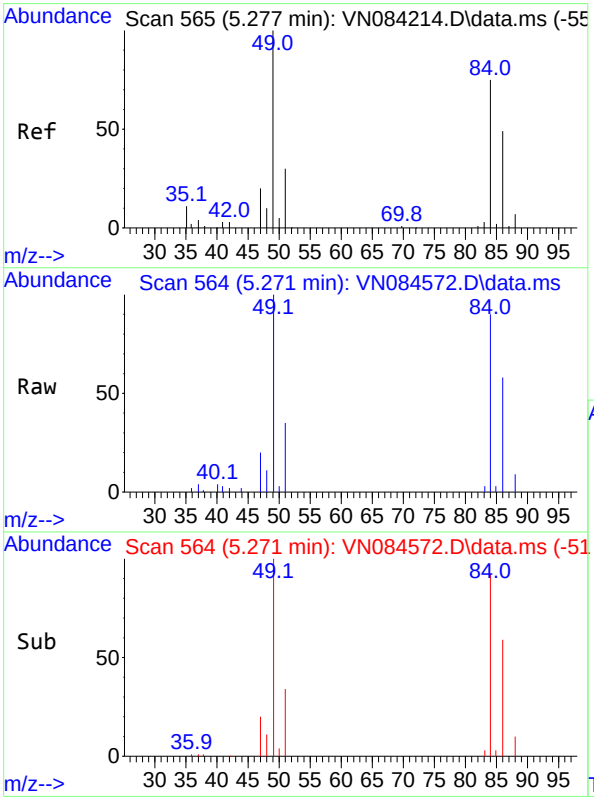
#19
Methyl tert-butyl Ether
Concen: 20.645 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 135170

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

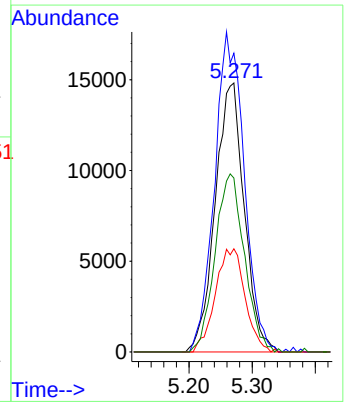


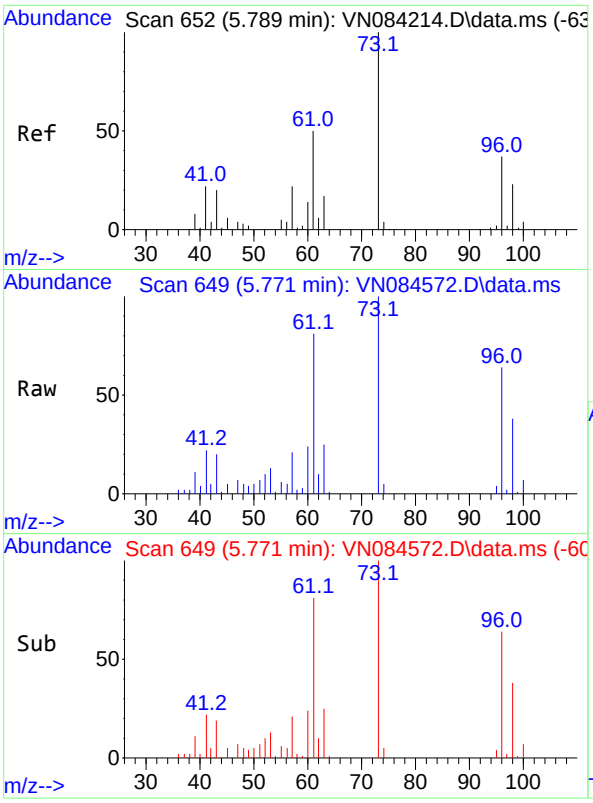


#20
Methylene Chloride
Concen: 19.921 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



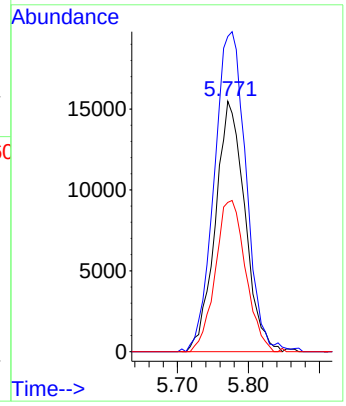


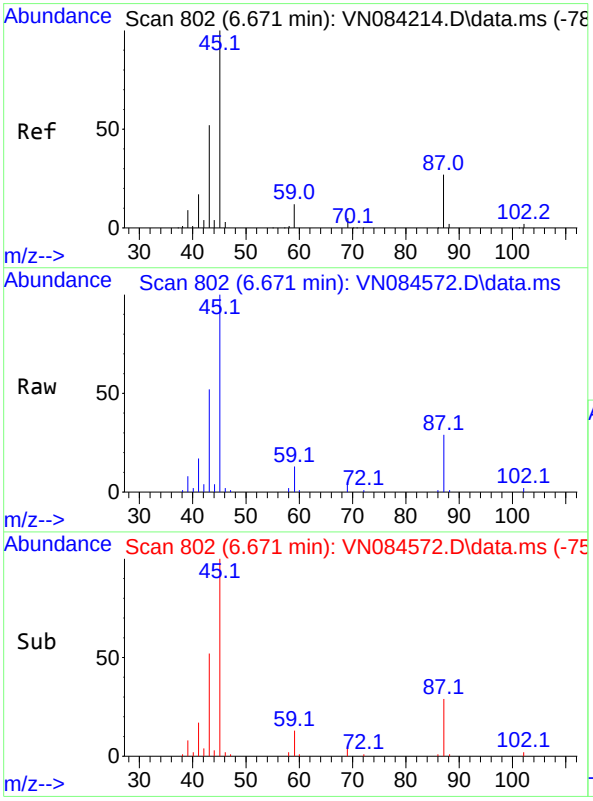
#21
trans-1,2-Dichloroethene
Concen: 20.378 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

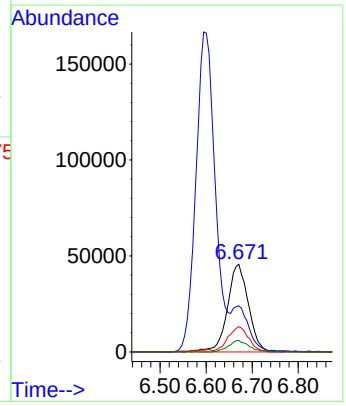


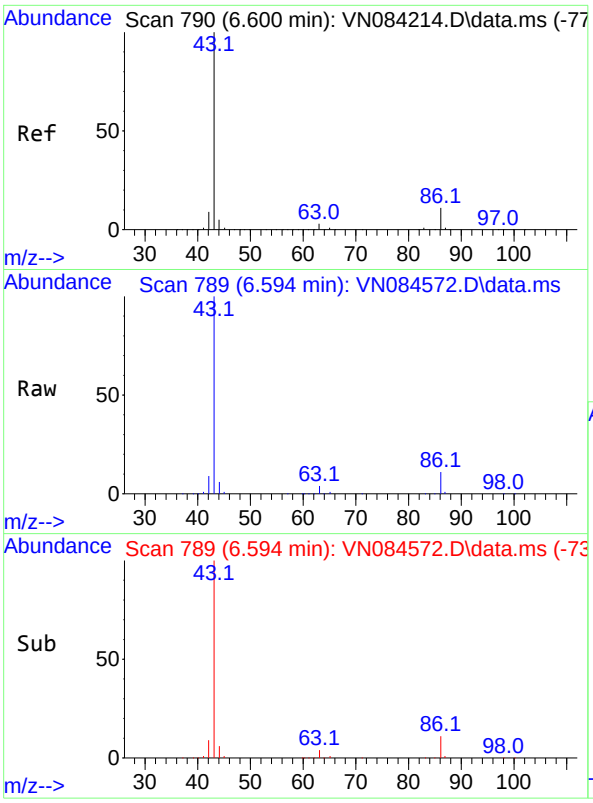


#22
Diisopropyl ether
Concen: 20.937 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



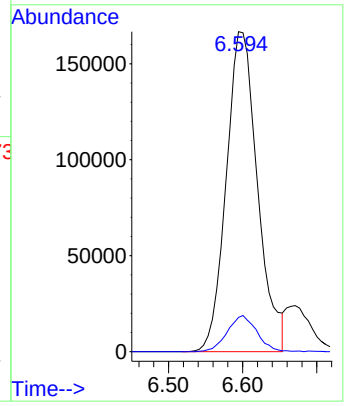


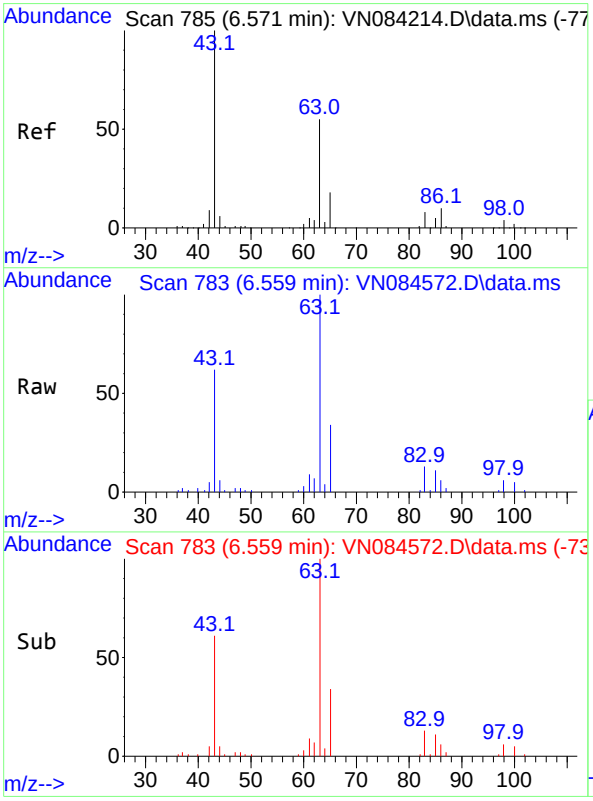
#23
Vinyl Acetate
Concen: 103.232 ug/l
RT: 6.594 min Scan# 7
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 490034

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

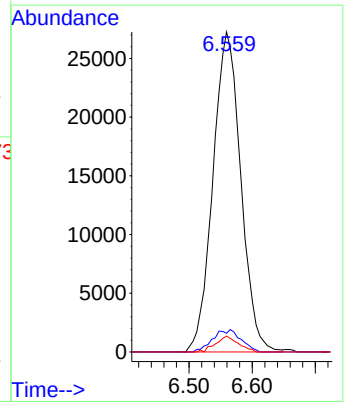


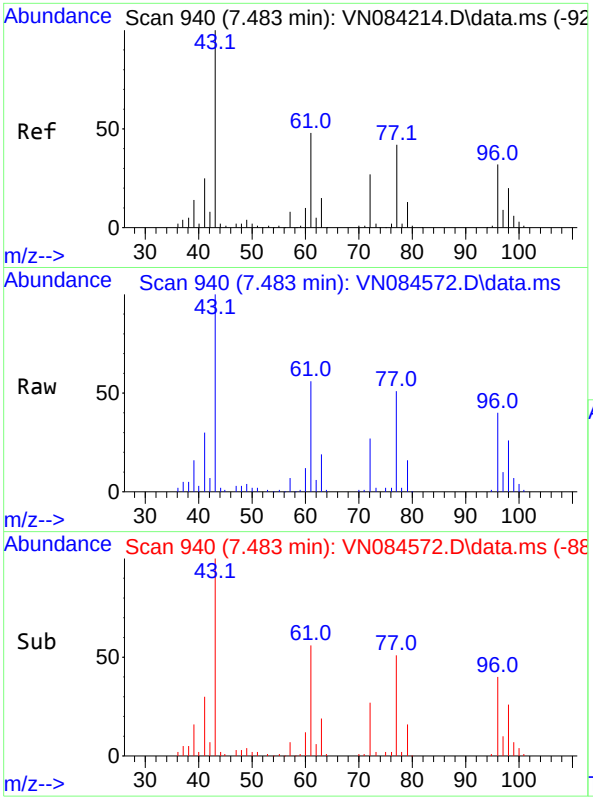


#24
1,1-Dichloroethane
Concen: 20.218 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



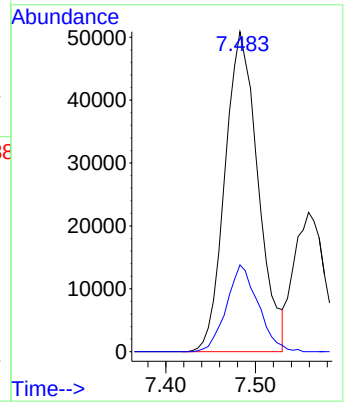


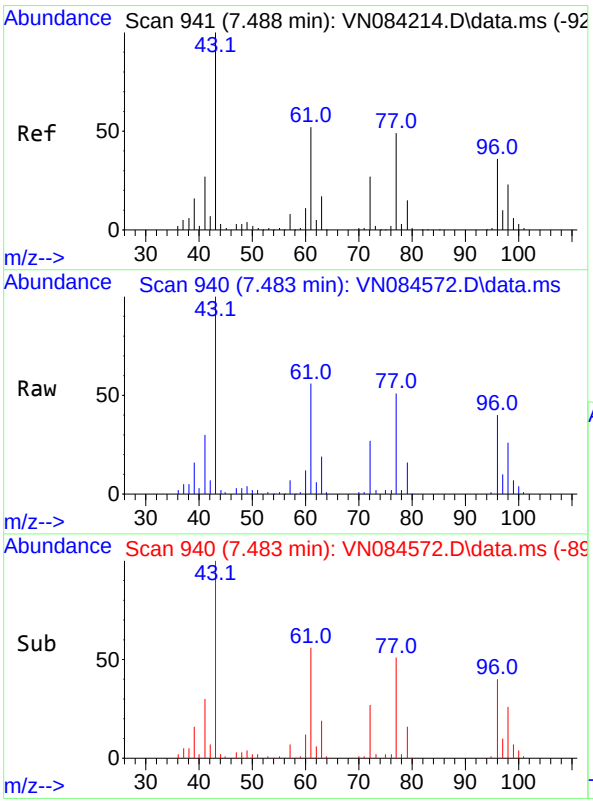
#25
2-Butanone
Concen: 103.281 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 130541

Ion	Ratio	Lower	Upper
43	100		
72	27.1	21.4	32.2

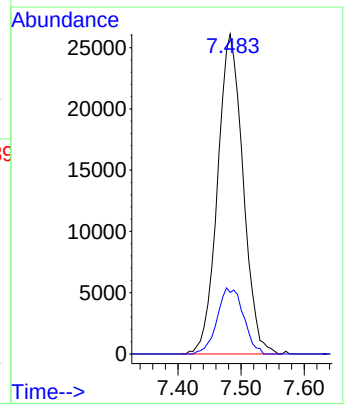


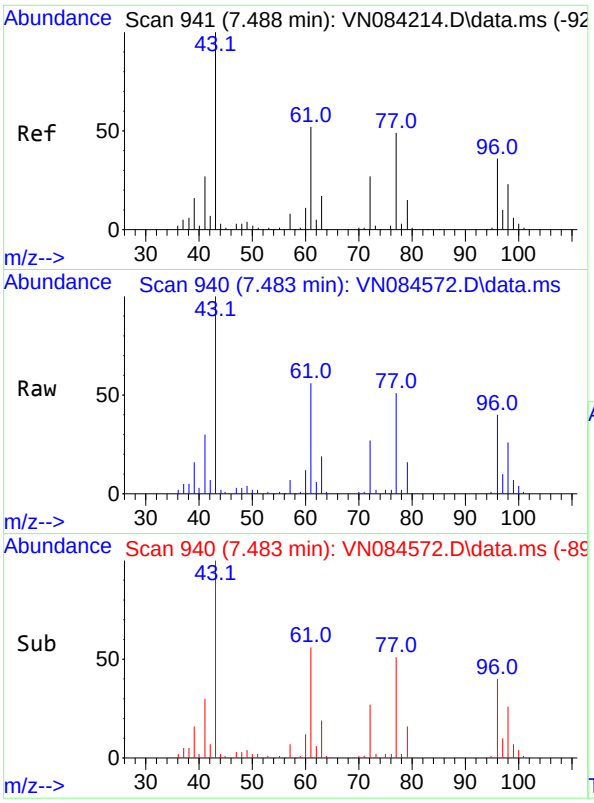


#26
2,2-Dichloropropane
Concen: 20.313 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 77 Resp: 73066

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.8	32.3



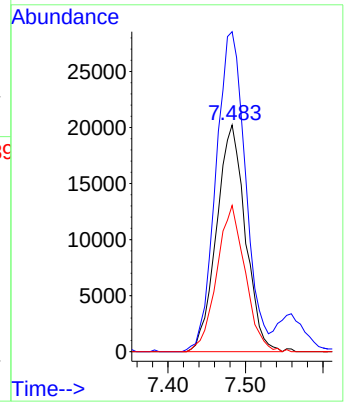


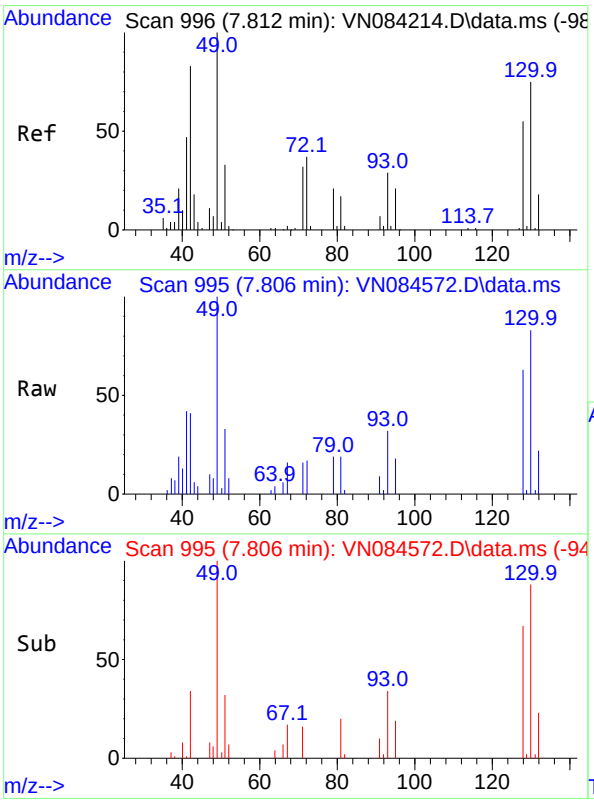
#27
cis-1,2-Dichloroethene
Concen: 20.412 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

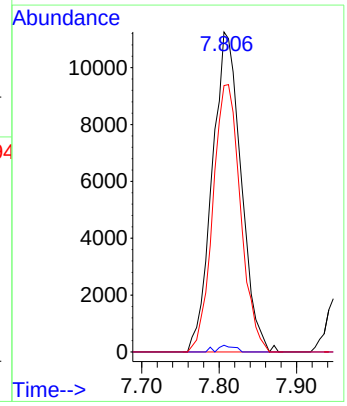


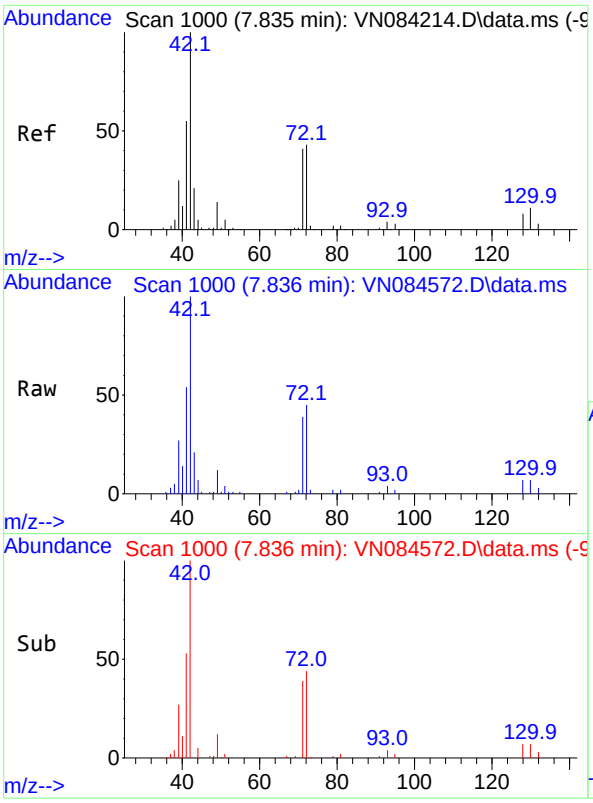


#28
Bromochloromethane
Concen: 17.702 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



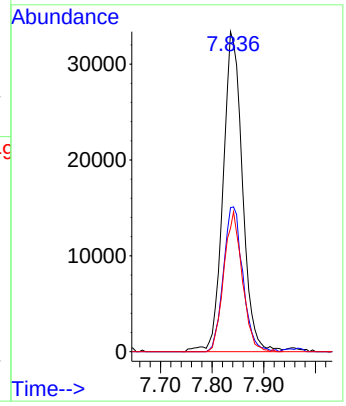


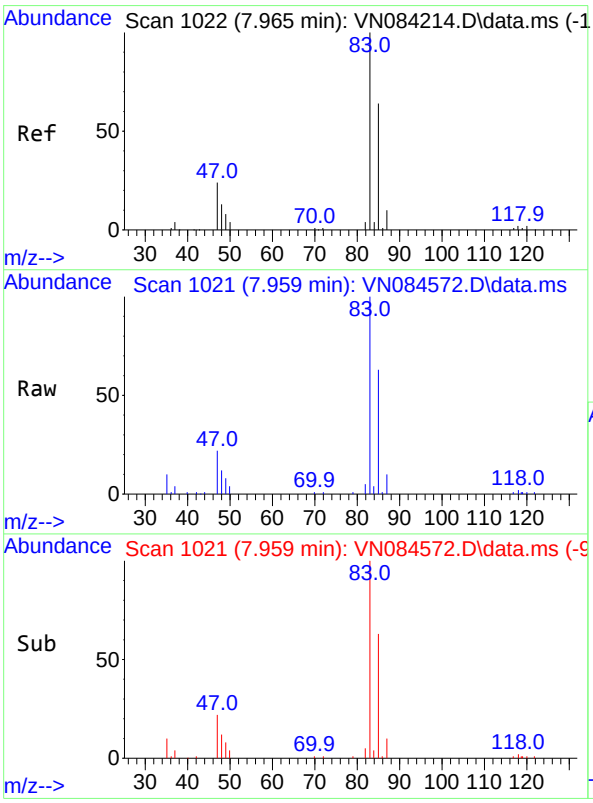
#29
Tetrahydrofuran
Concen: 103.560 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

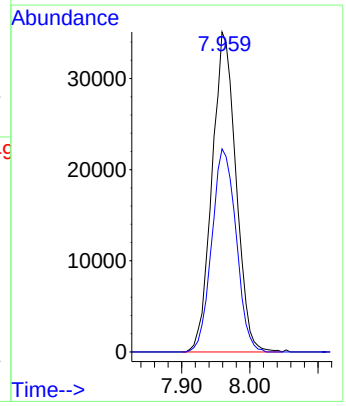


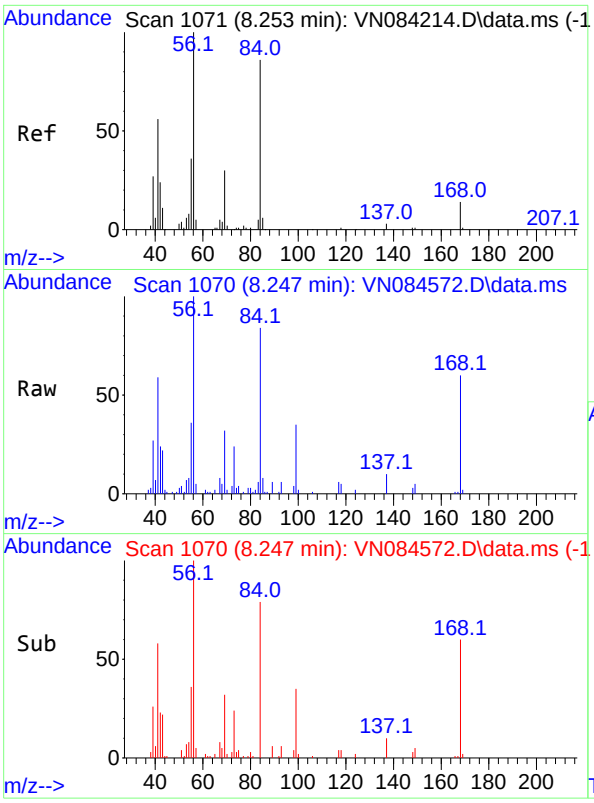


#30
Chloroform
Concen: 20.368 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 83 Resp: 85675

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



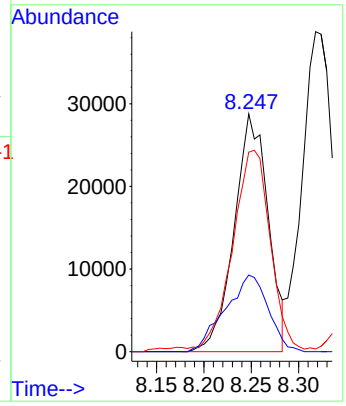


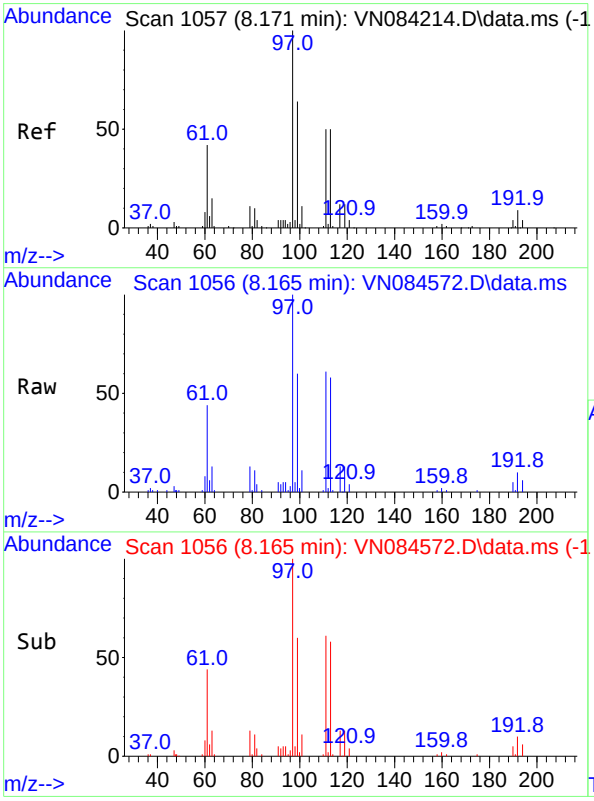
#31
Cyclohexane
Concen: 19.169 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

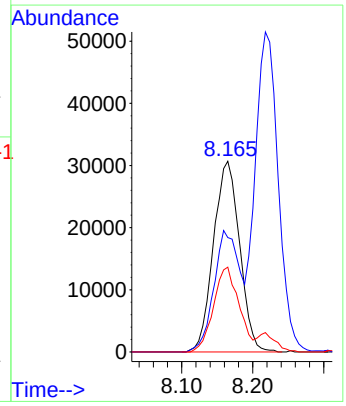


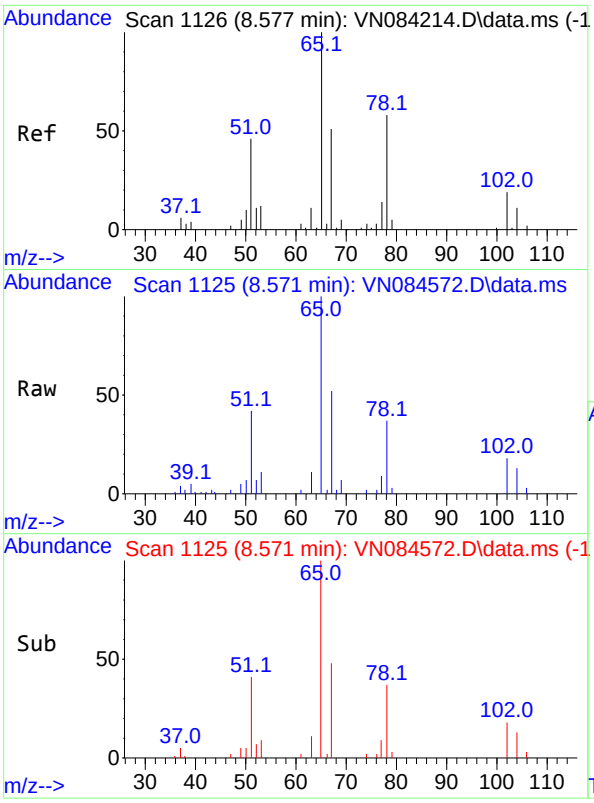


#32
1,1,1-Trichloroethane
Concen: 20.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



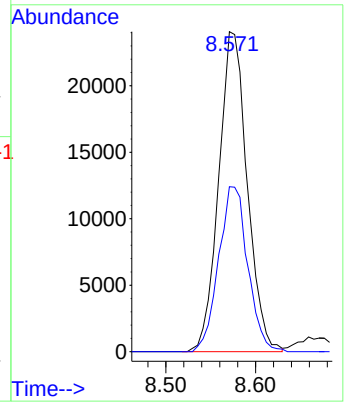


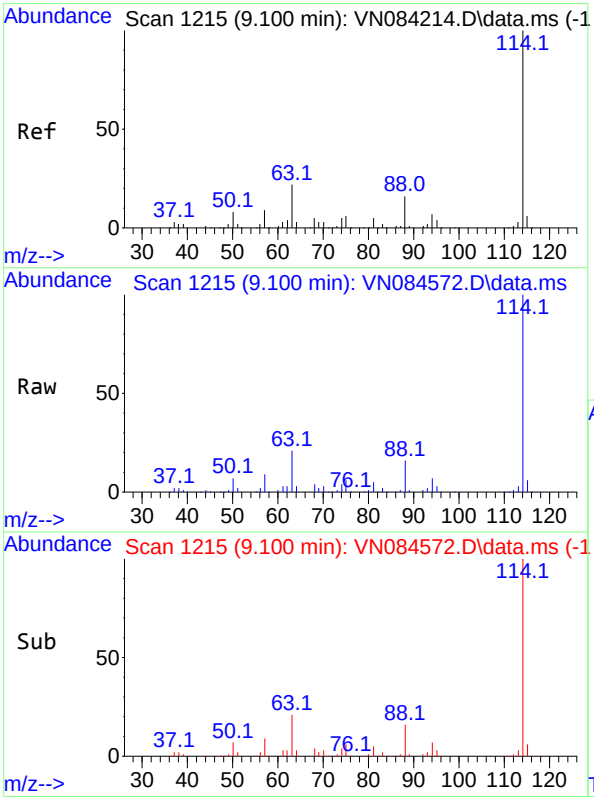
#33
1,2-Dichloroethane-d4
Concen: 19.600 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 53102

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.0

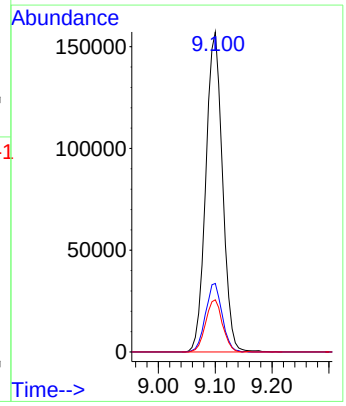


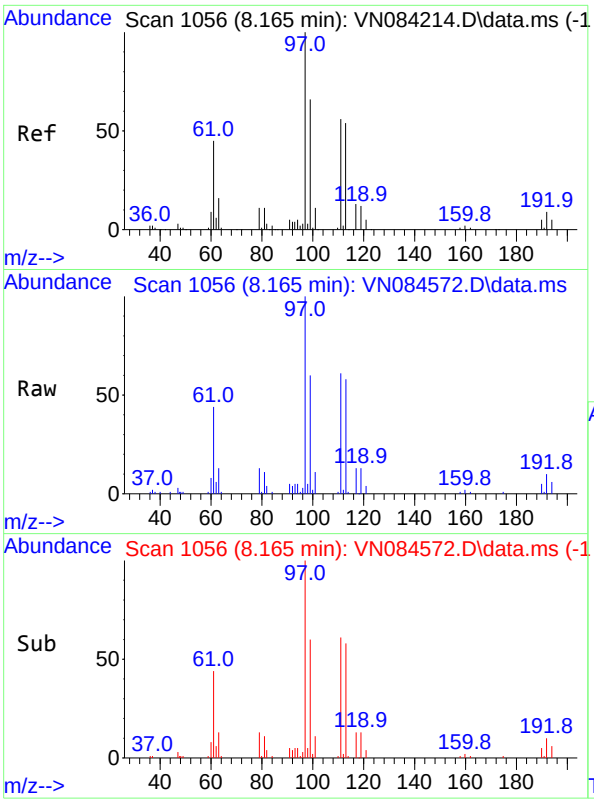


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



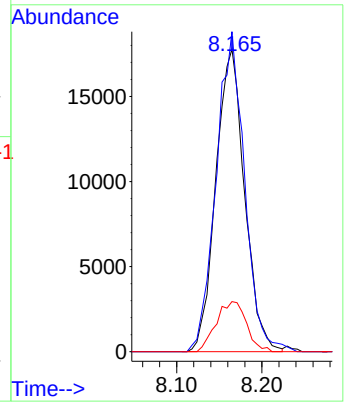


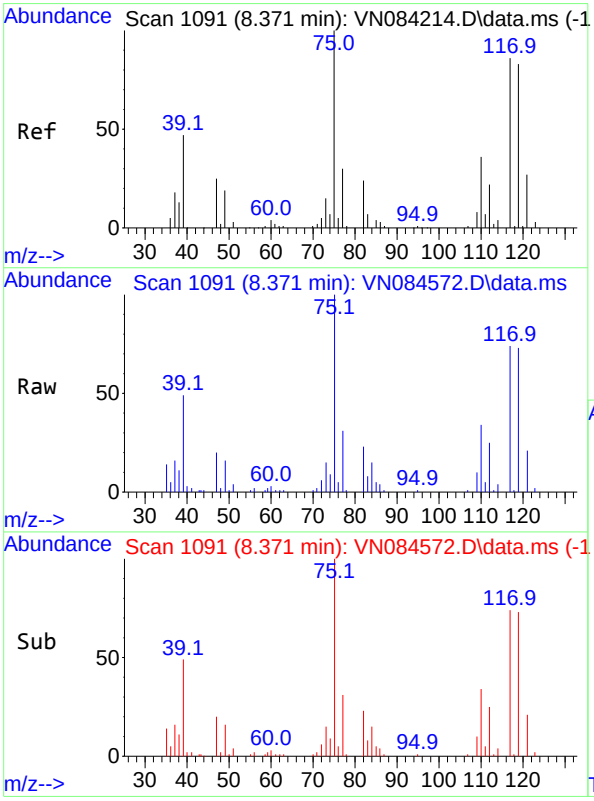
#35
Dibromofluoromethane
Concen: 19.252 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

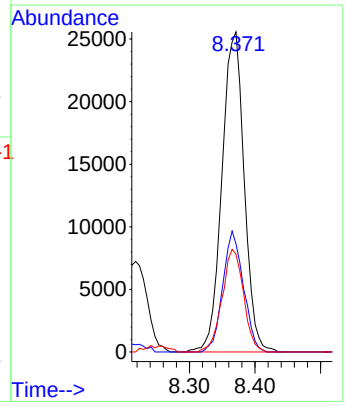


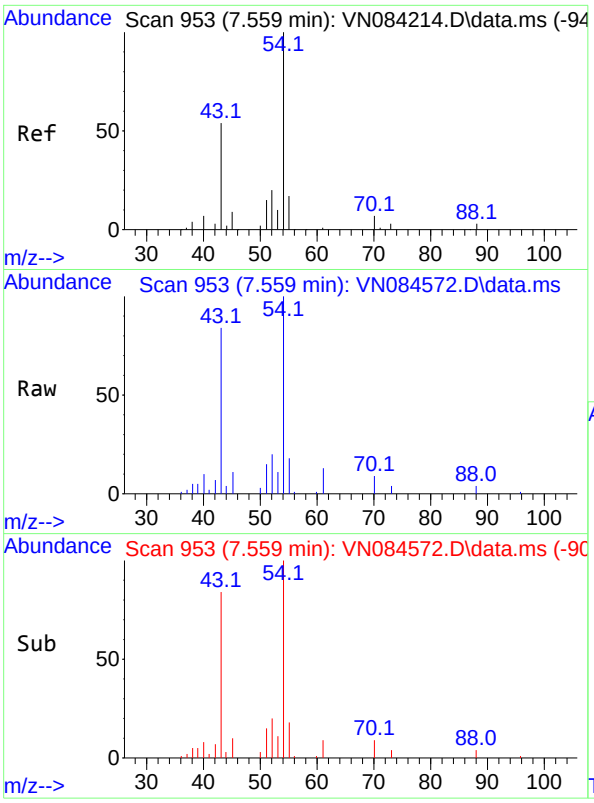


#36
1,1-Dichloropropene
Concen: 20.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



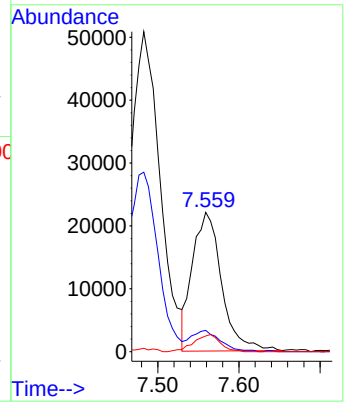


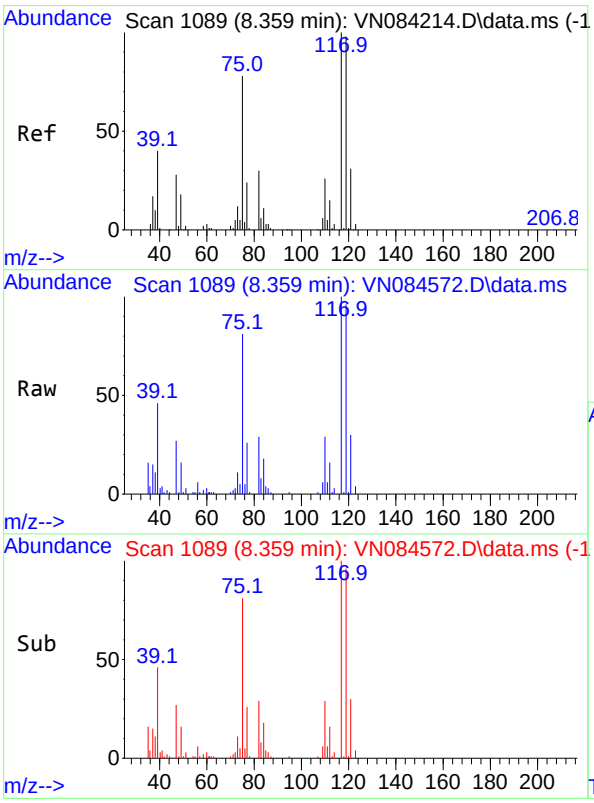
#37
Ethyl Acetate
Concen: 20.165 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

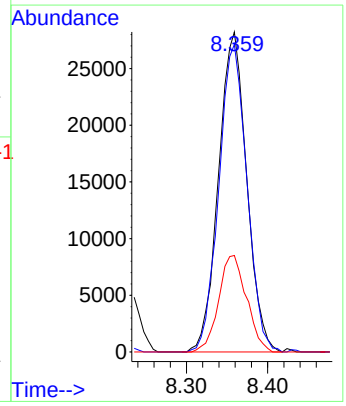


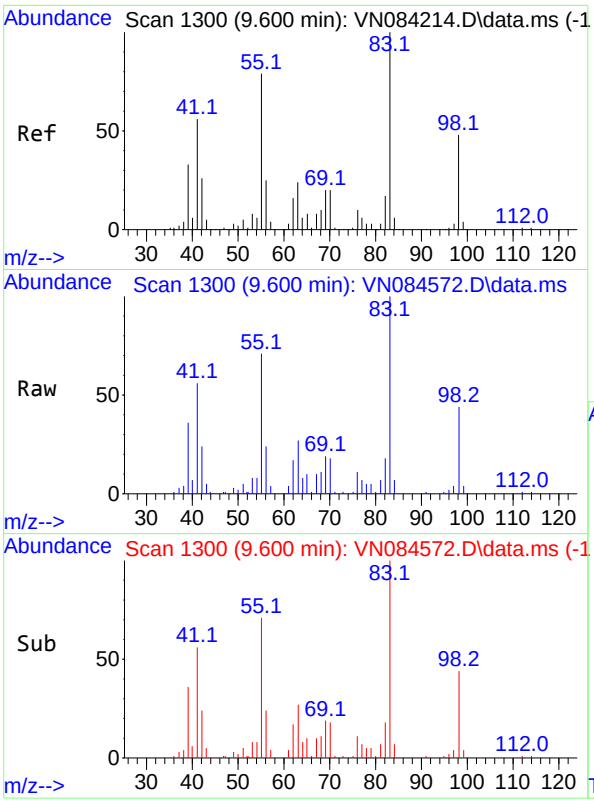


#38
Carbon Tetrachloride
Concen: 20.282 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



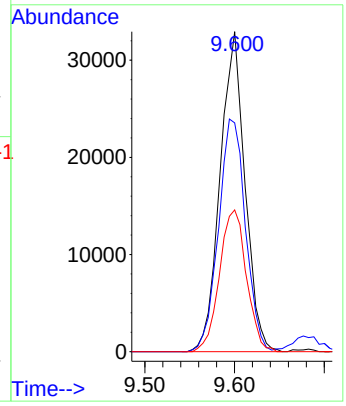


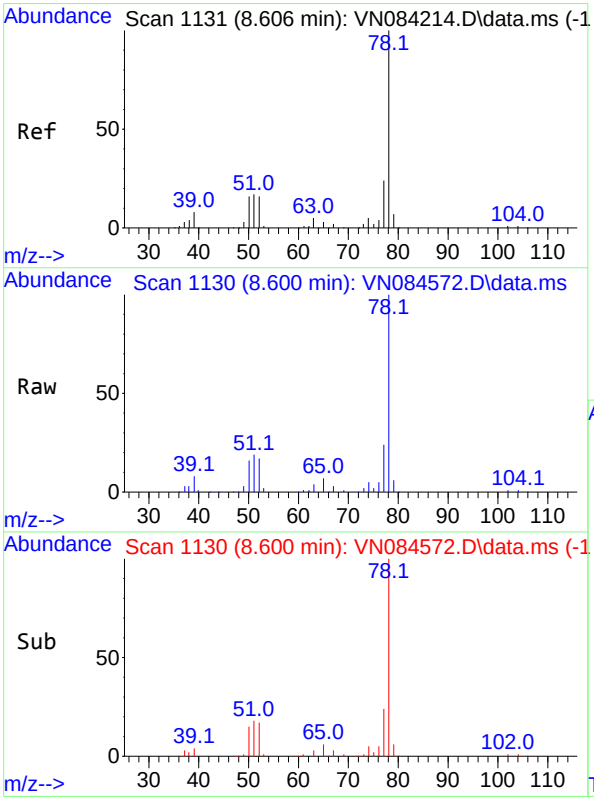
#39
Methylcyclohexane
Concen: 20.722 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

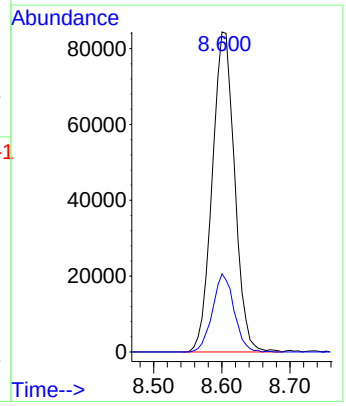


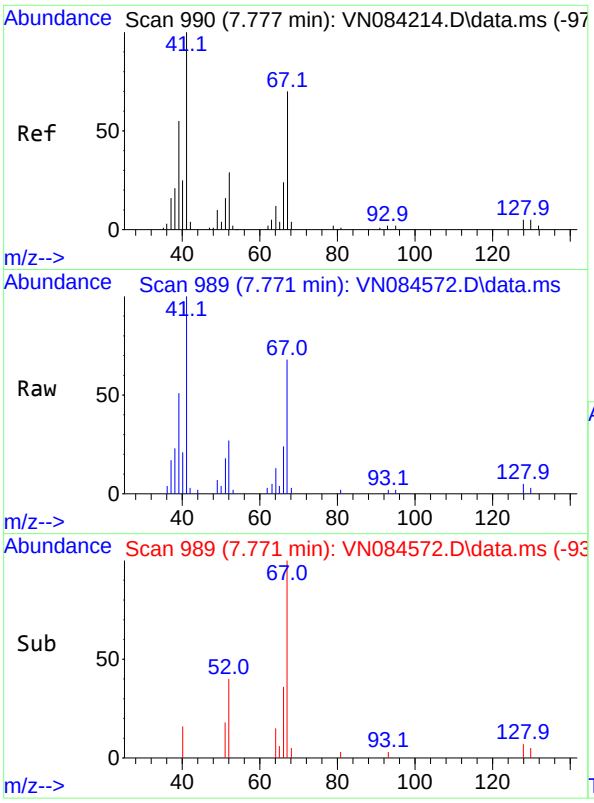


#40
Benzene
Concen: 20.026 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 78 Resp: 193129

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7



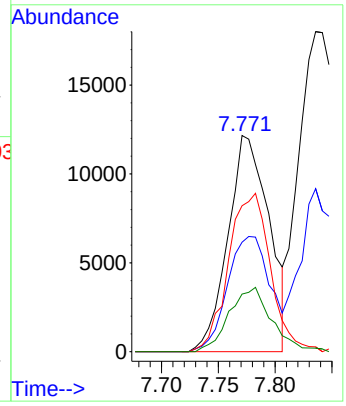


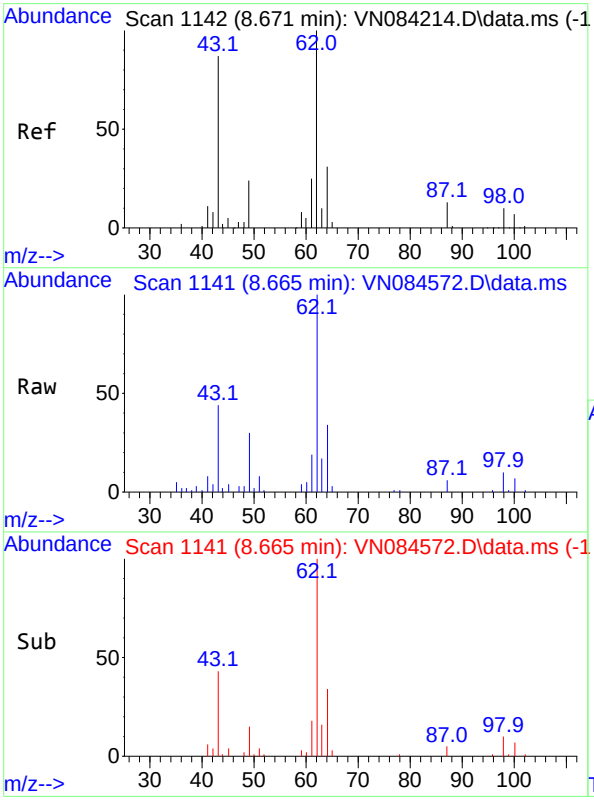
#41
Methacrylonitrile
Concen: 20.882 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

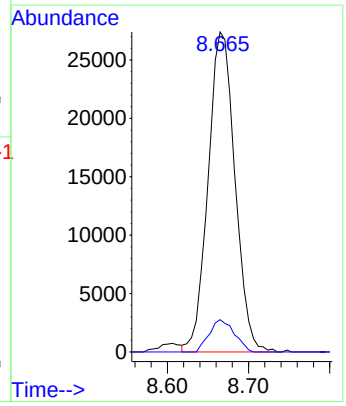


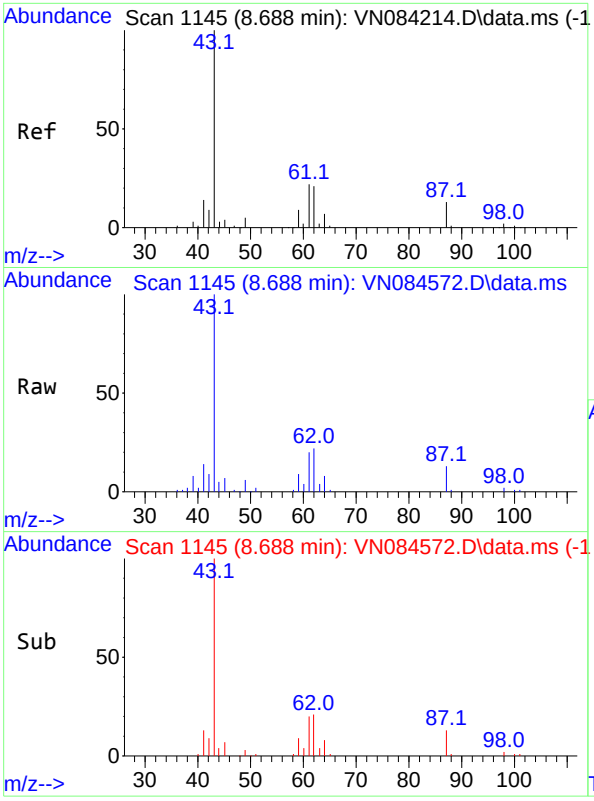


#42
1,2-Dichloroethane
Concen: 20.180 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 62 Resp: 63026

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2



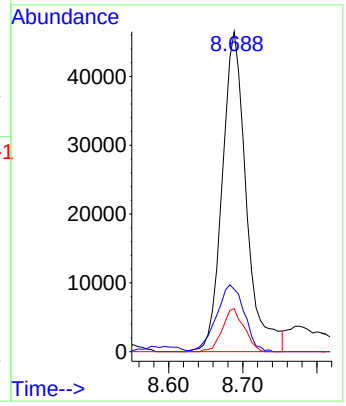


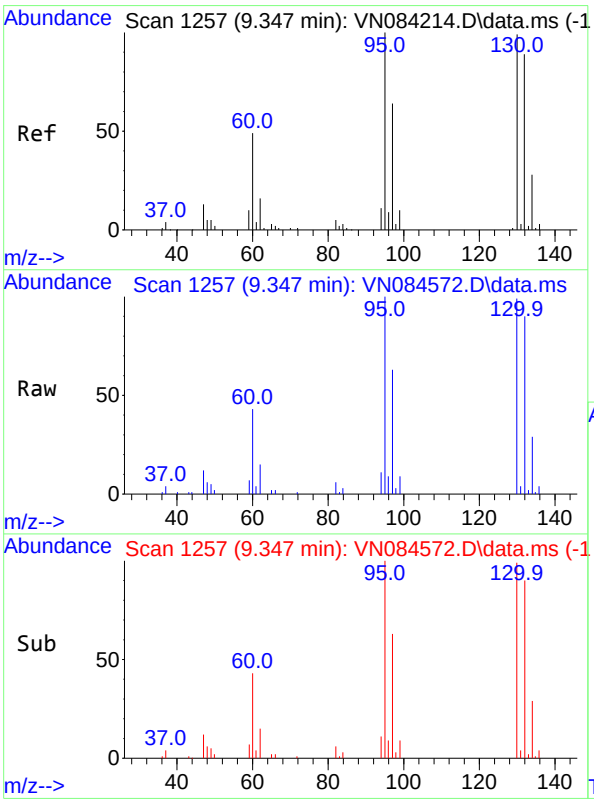
#43
Isopropyl Acetate
Concen: 20.277 ug/l
RT: 8.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 104951

Ion	Ratio	Lower	Upper
43	100		
61	24.2	20.4	30.6
87	12.1	10.3	15.5

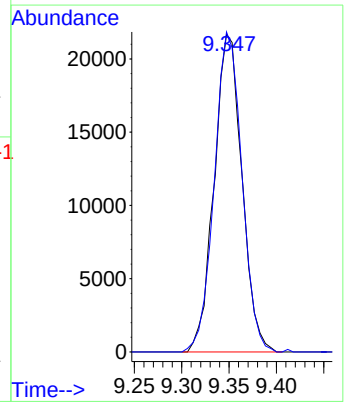


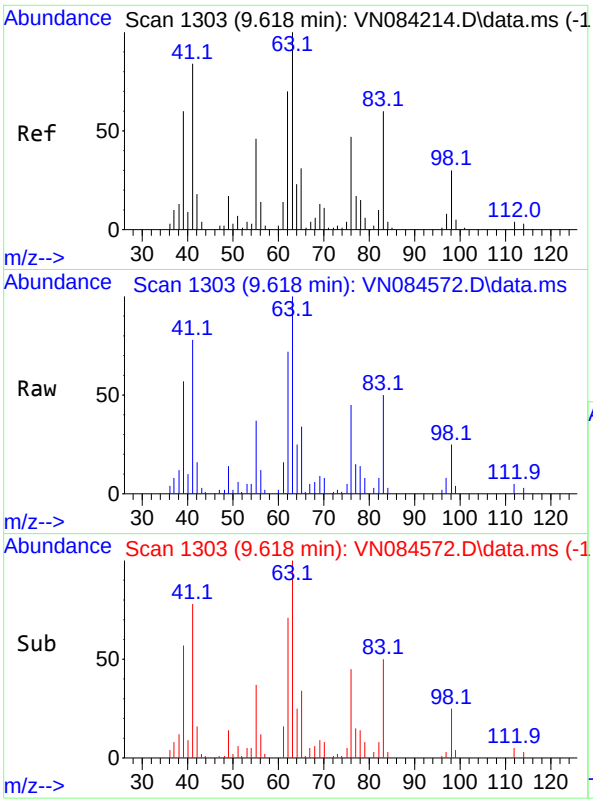


#44
Trichloroethene
Concen: 19.862 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:130 Resp: 44176

Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.0



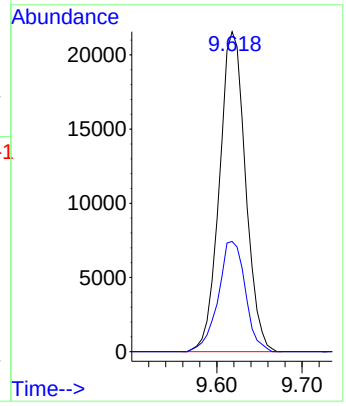


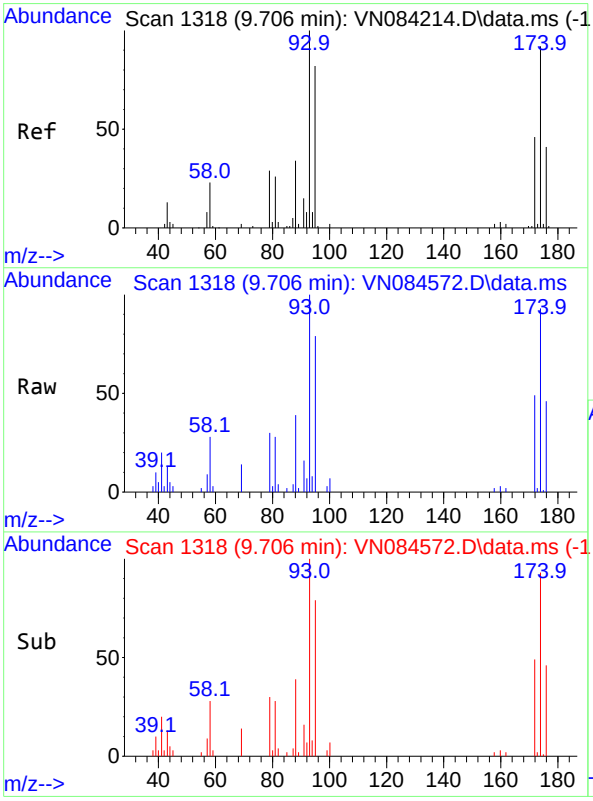
#45
1,2-Dichloropropane
Concen: 20.229 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 45764

Ion	Ratio	Lower	Upper
63	100		
65	34.4	24.6	37.0

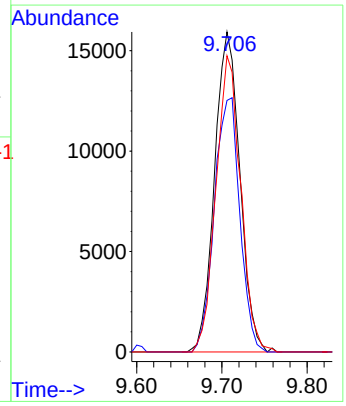


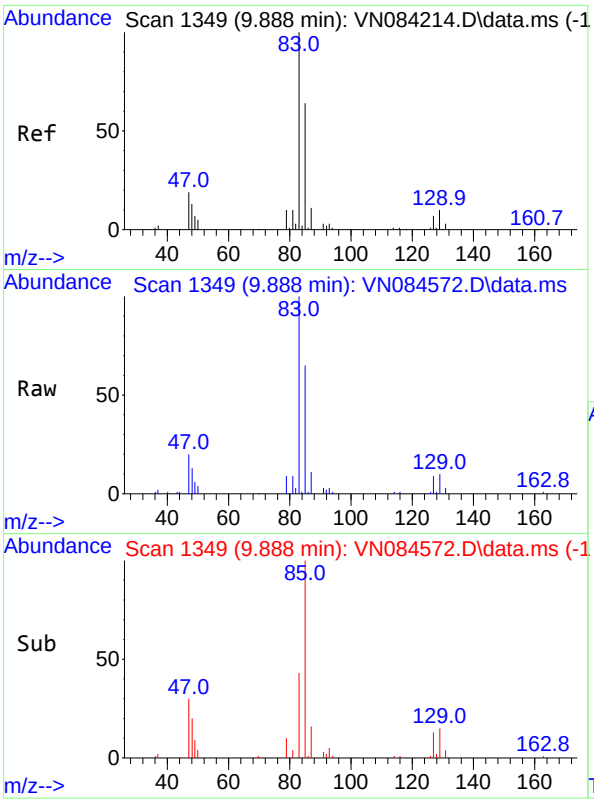


#46
Dibromomethane
Concen: 20.583 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



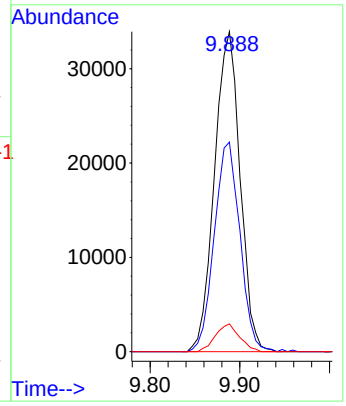


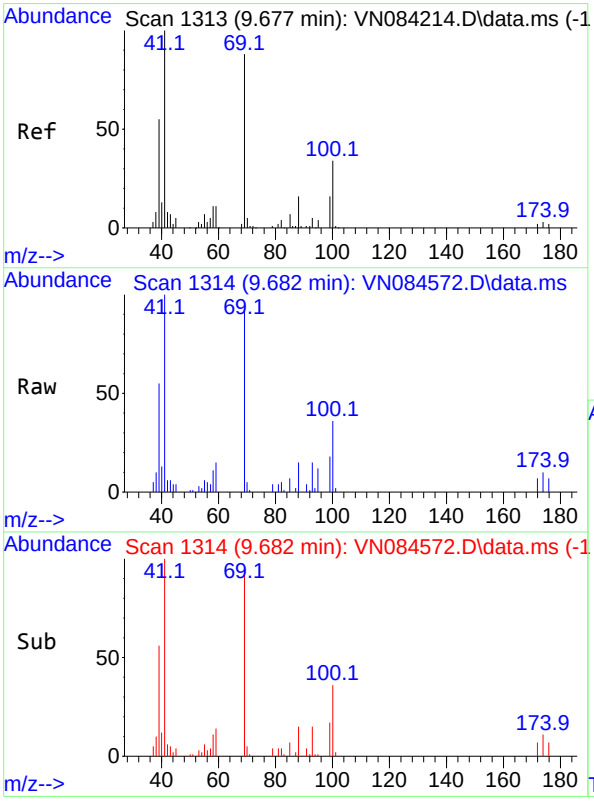
#47
Bromodichloromethane
Concen: 19.997 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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#

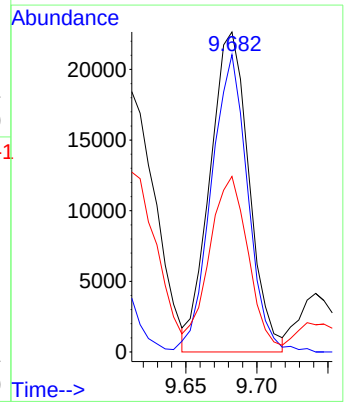


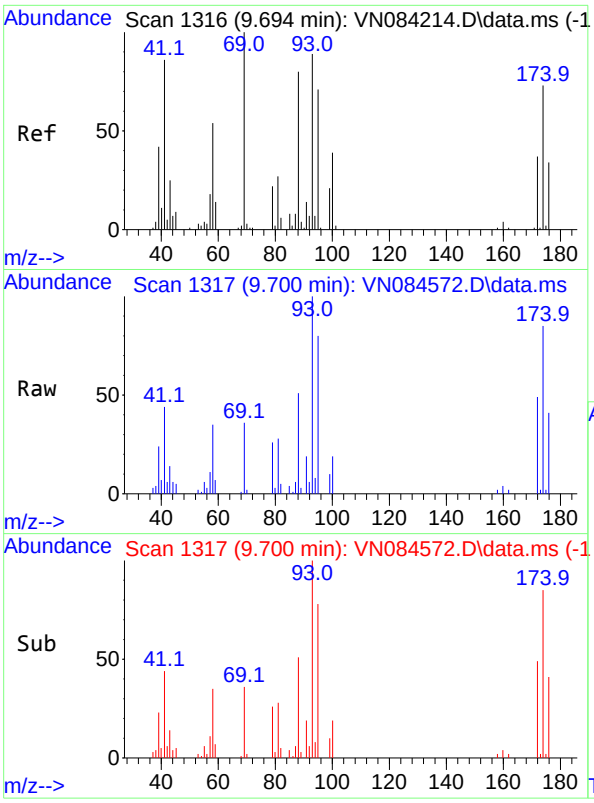


#48
Methyl methacrylate
Concen: 20.466 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



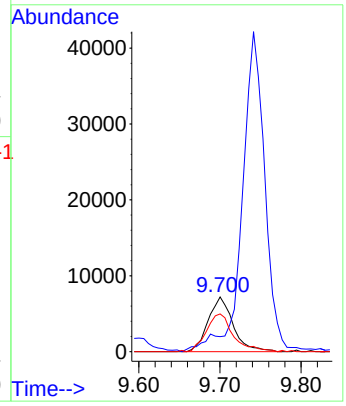


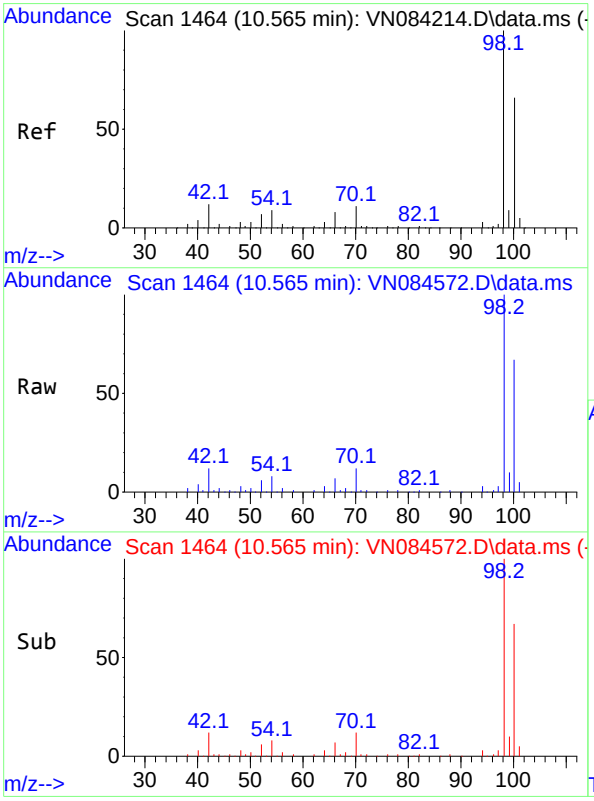
#49
1,4-Dioxane
Concen: 410.291 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

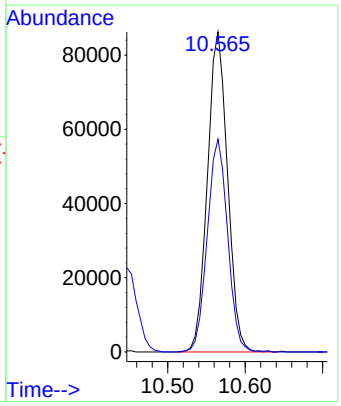


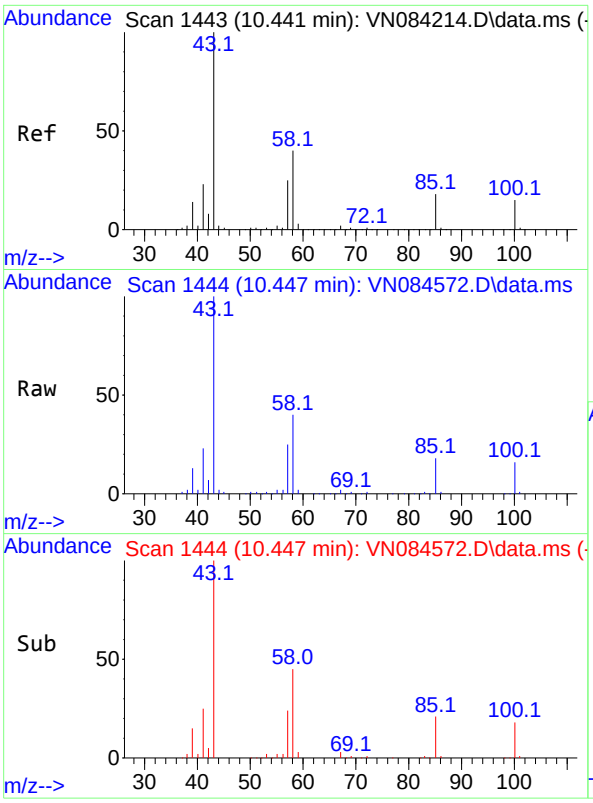


#50
Toluene-d8
Concen: 19.504 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 98 Resp: 155563

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1



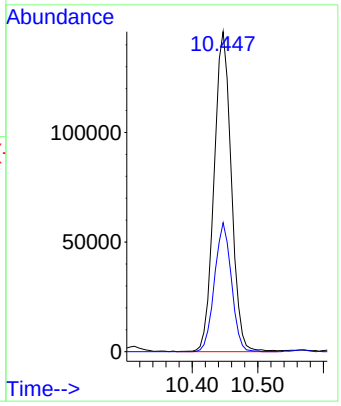


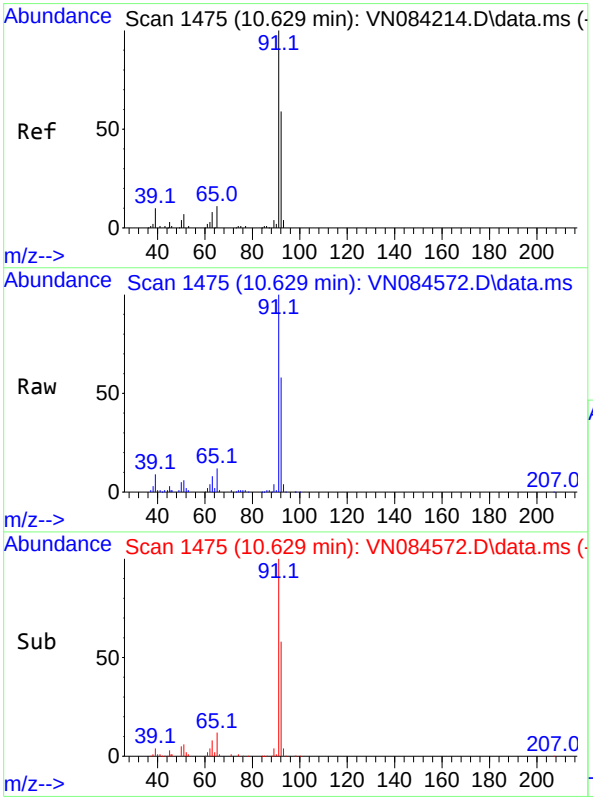
#51
4-Methyl-2-Pentanone
Concen: 102.417 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 266010

Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4

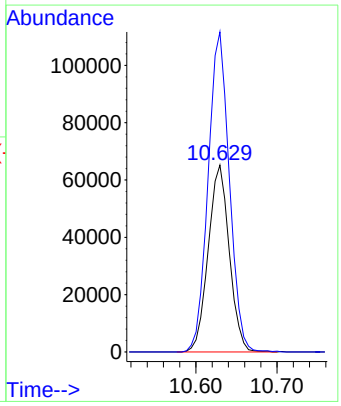


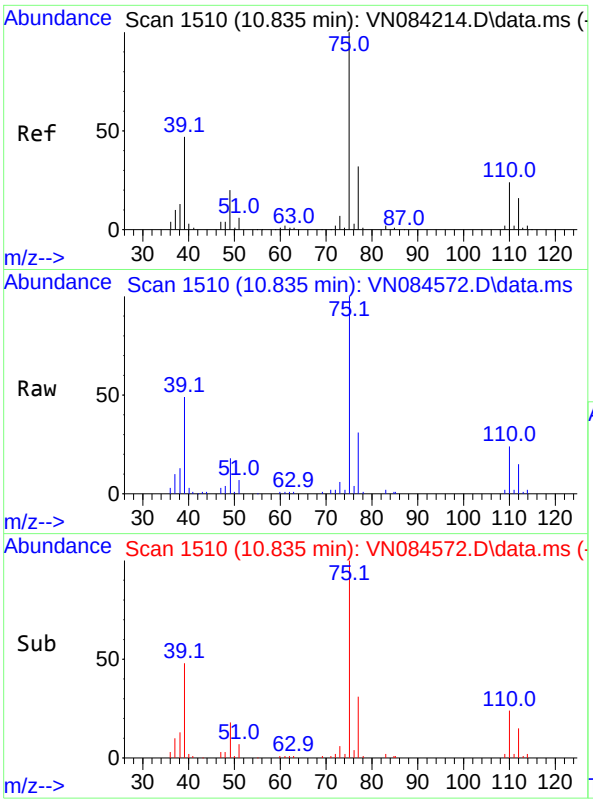


#52
Toluene
Concen: 20.838 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 92 Resp: 117530

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.3	205.9



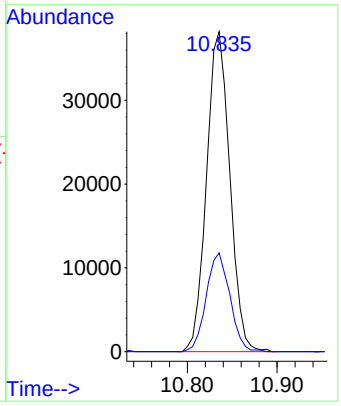


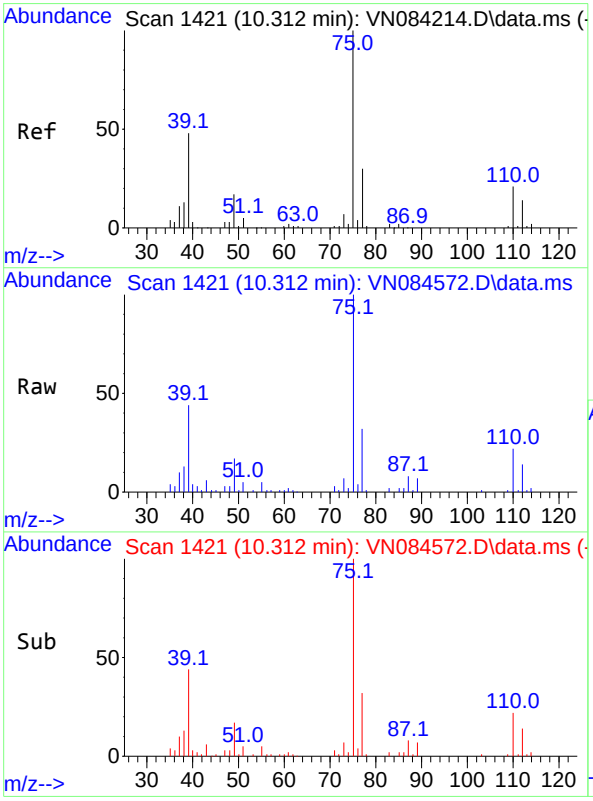
#53
t-1,3-Dichloropropene
Concen: 19.766 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 68847

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

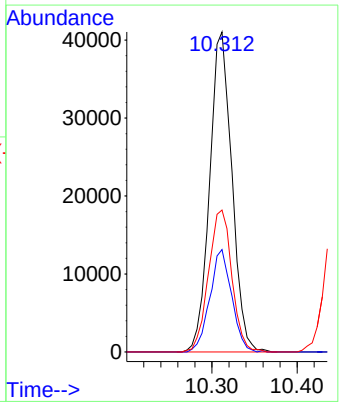


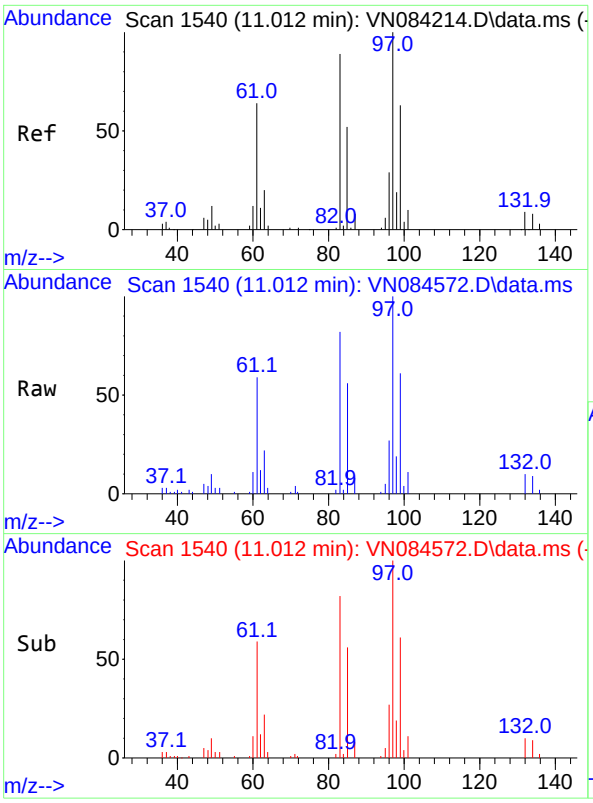


#54
cis-1,3-Dichloropropene
Concen: 20.208 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



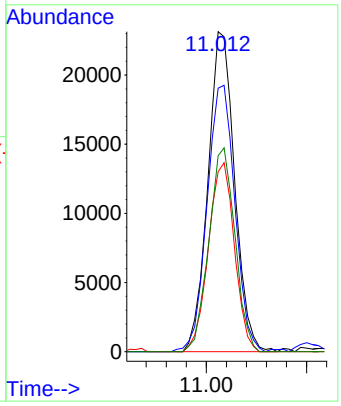


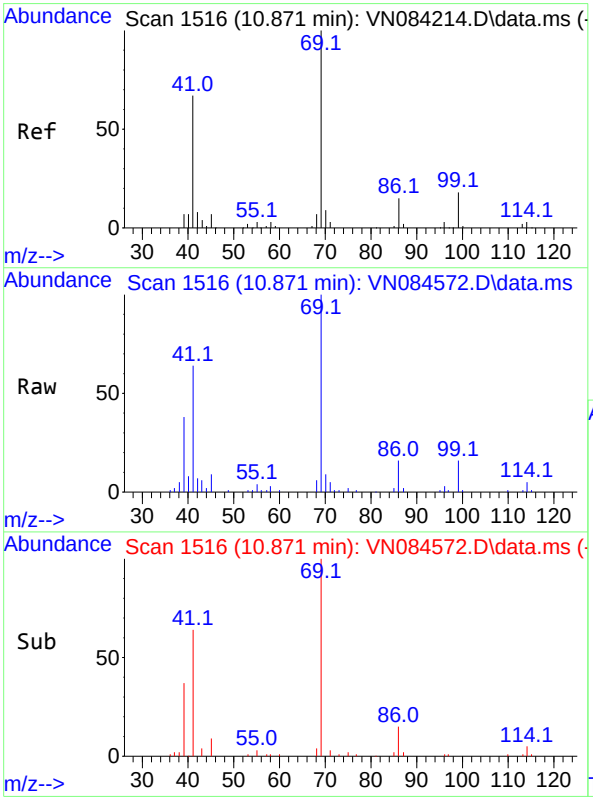
#55
1,1,2-Trichloroethane
Concen: 20.141 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

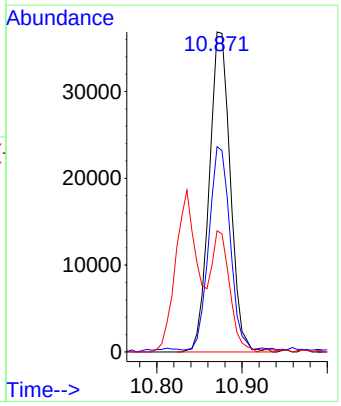


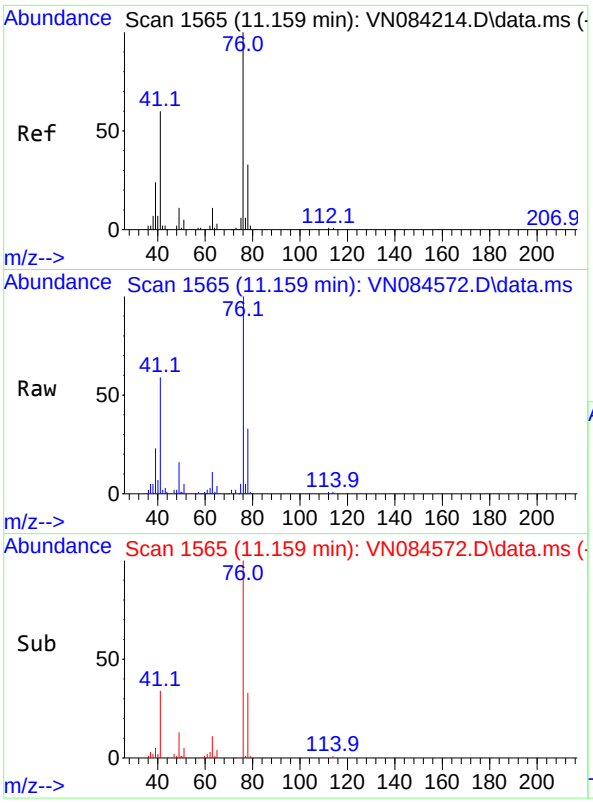


#56
Ethyl methacrylate
Concen: 20.613 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



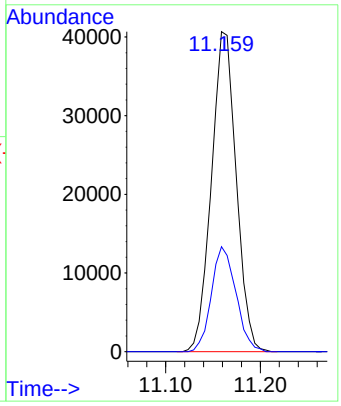


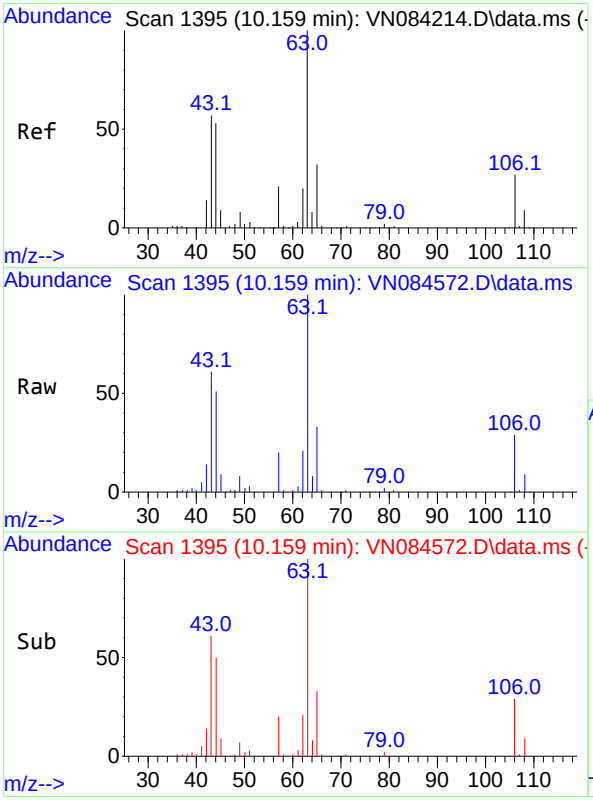
#57
1,3-Dichloropropane
Concen: 20.317 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 74082

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

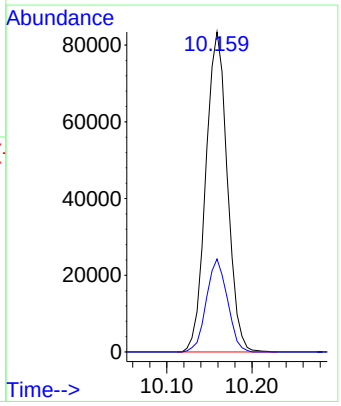


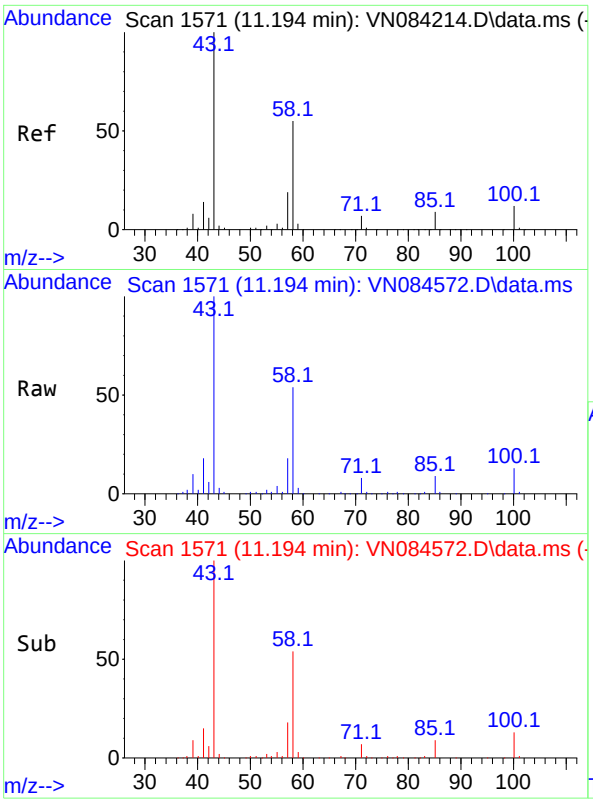


#58
2-Chloroethyl Vinyl ether
Concen: 101.786 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 63 Resp: 146372

Ion	Ratio	Lower	Upper
63	100		
106	28.4	21.8	32.6



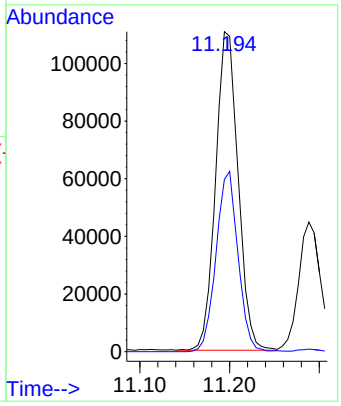


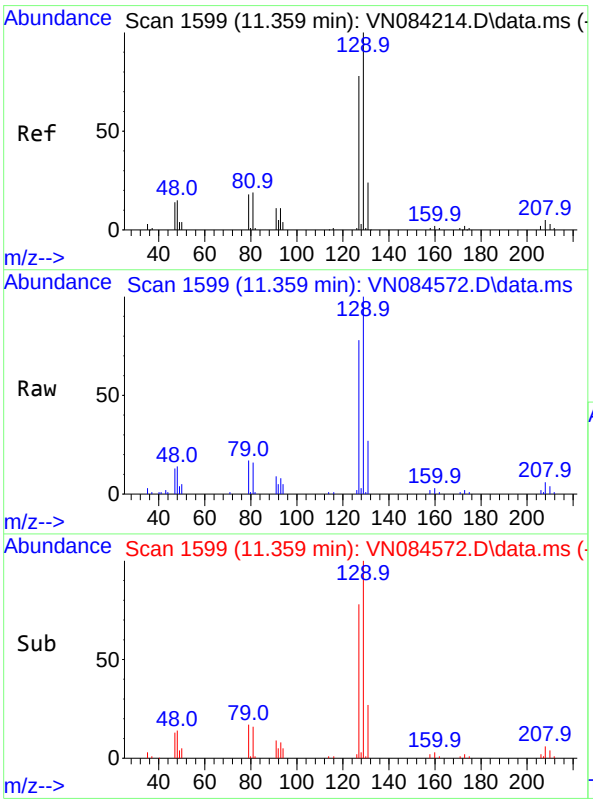
#59
2-Hexanone
Concen: 101.735 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 192335

Ion	Ratio	Lower	Upper
43	100		
58	55.2	27.3	81.8

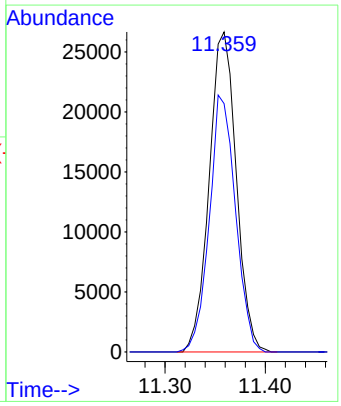


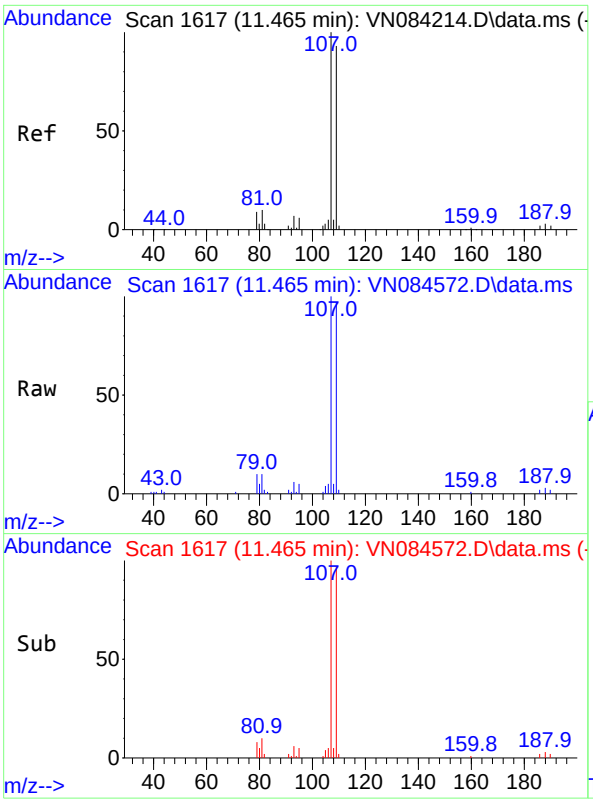


#60
Dibromochloromethane
Concen: 20.665 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:129 Resp: 50039

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.9



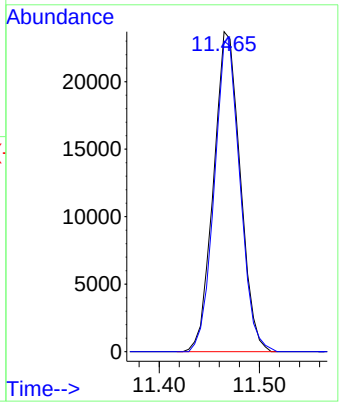


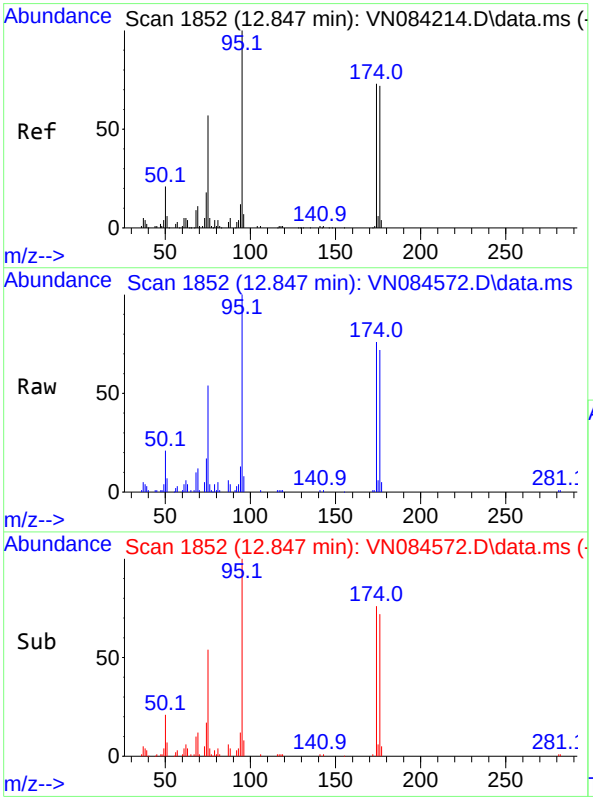
#61
1,2-Dibromoethane
Concen: 20.070 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 43666

Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.4	113.0

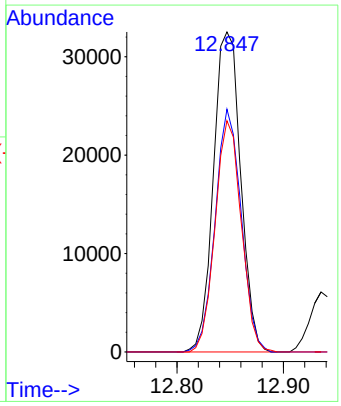


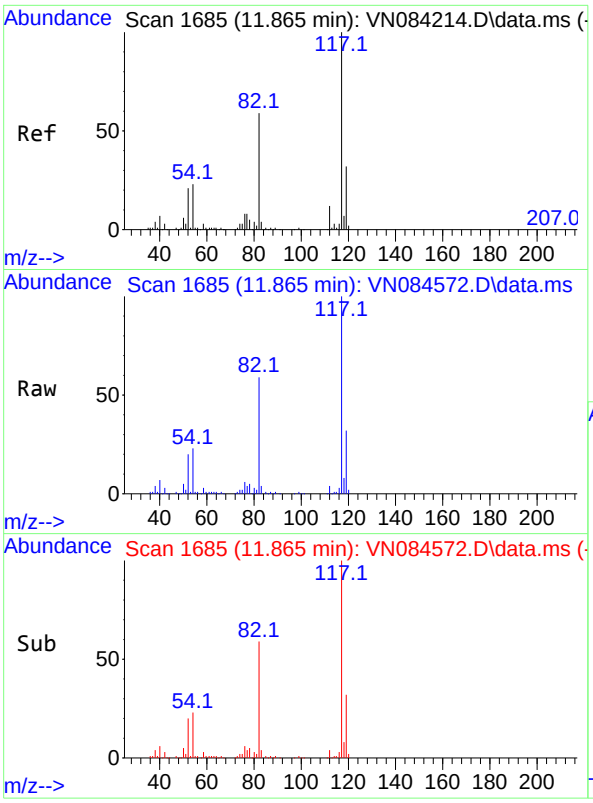


#62
4-Bromofluorobenzene
Concen: 19.330 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



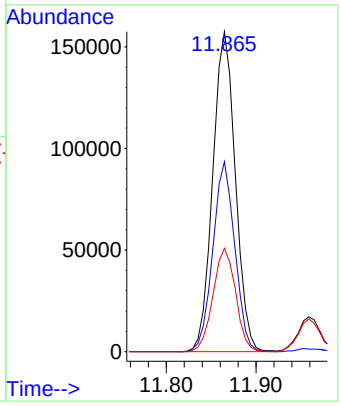


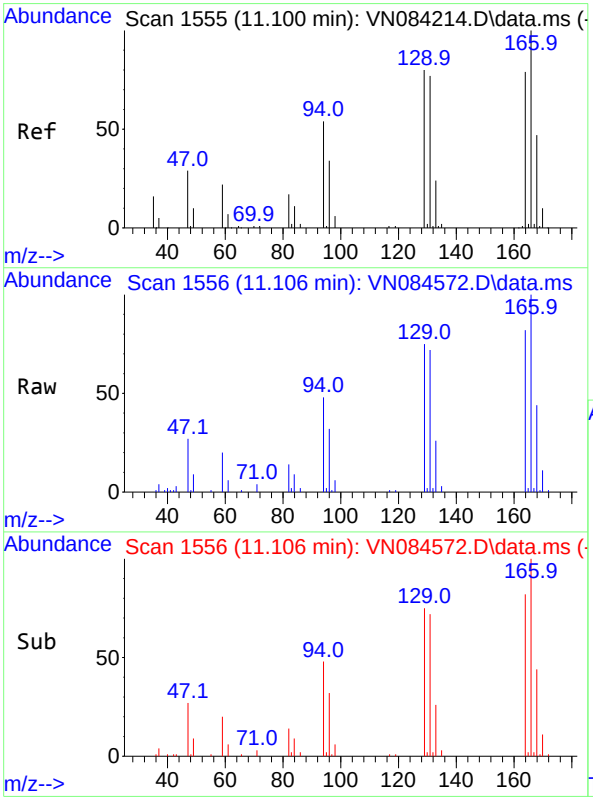
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

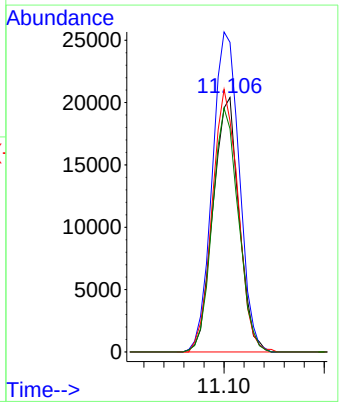


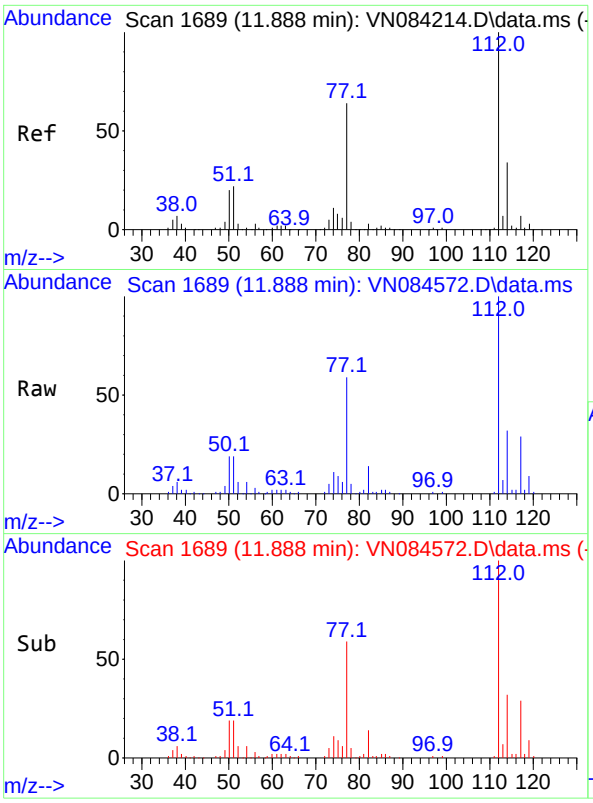


#64
Tetrachloroethene
Concen: 20.054 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



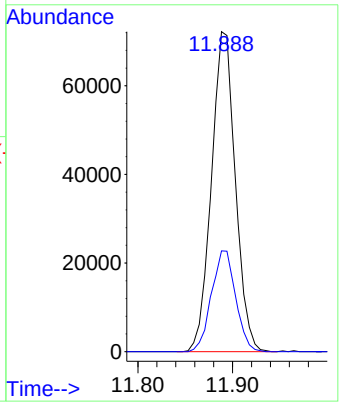


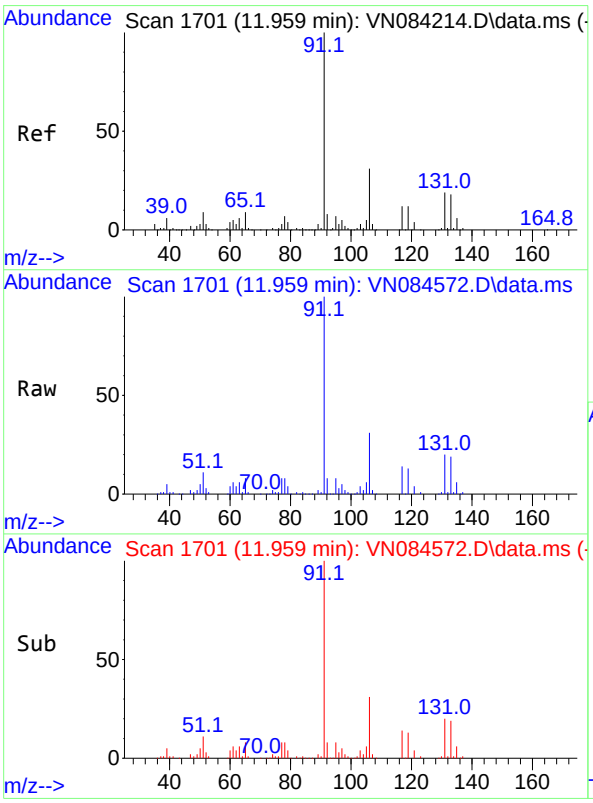
#65
Chlorobenzene
Concen: 20.539 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 126753

Ion	Ratio	Lower	Upper
112	100		
114	31.5	27.0	40.6

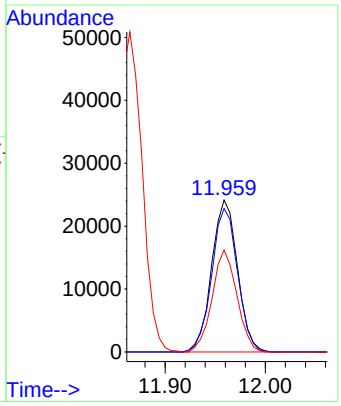


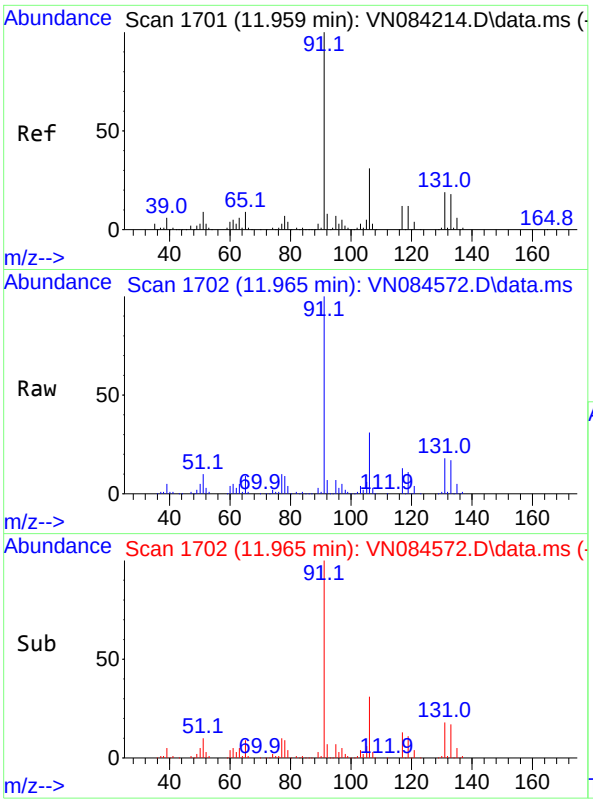


#66
1,1,1,2-Tetrachloroethane
Concen: 20.125 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



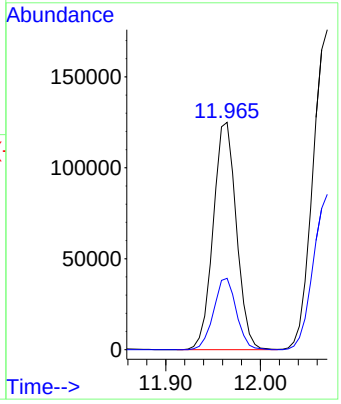


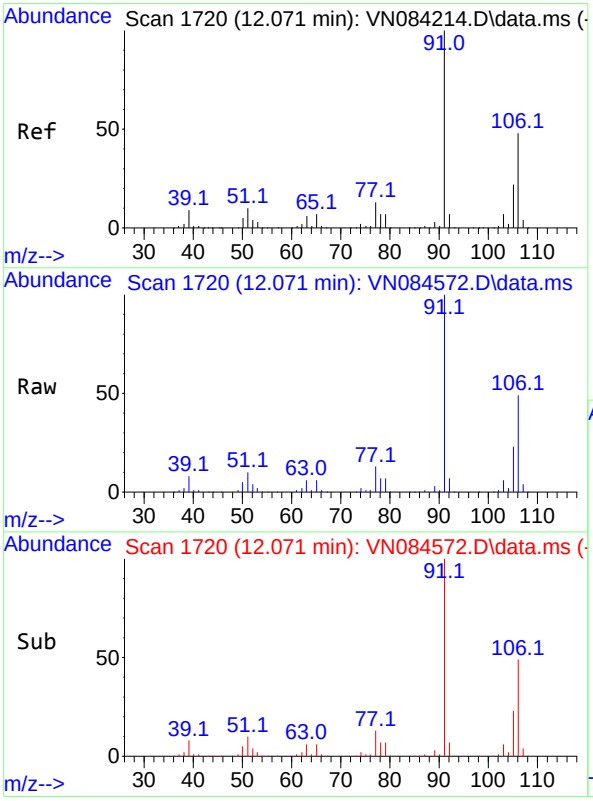
#67
Ethyl Benzene
Concen: 20.651 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 212737

Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.5	36.7

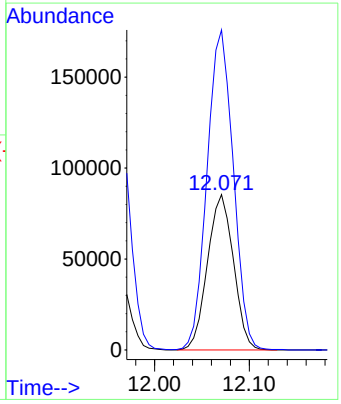


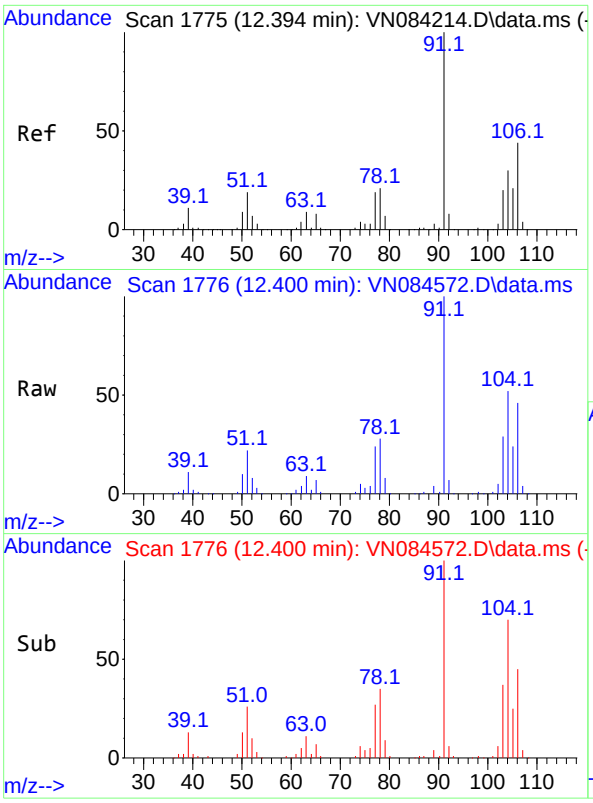


#68
m/p-Xylenes
Concen: 41.732 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:106 Resp: 162754

Ion	Ratio	Lower	Upper
106	100		
91	207.9	167.1	250.7



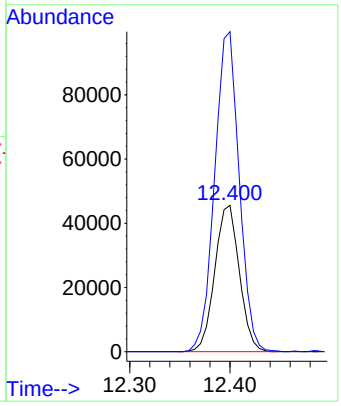


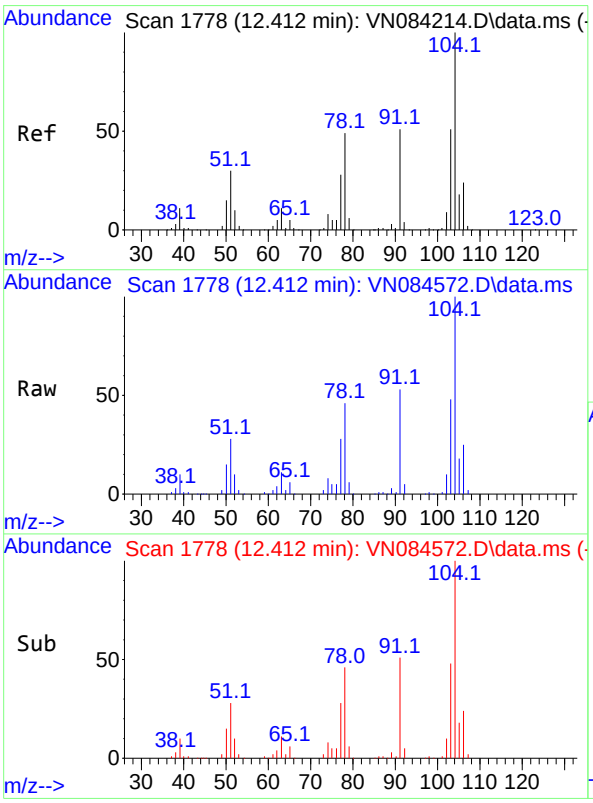
#69
o-Xylene
Concen: 21.214 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 77396

Ion	Ratio	Lower	Upper
106	100		
91	219.2	110.2	330.6

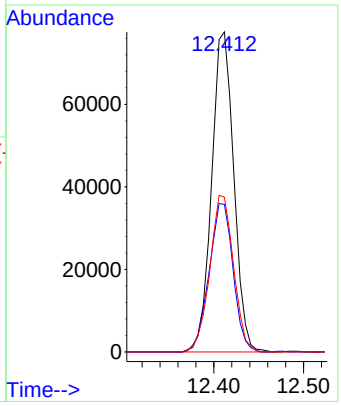


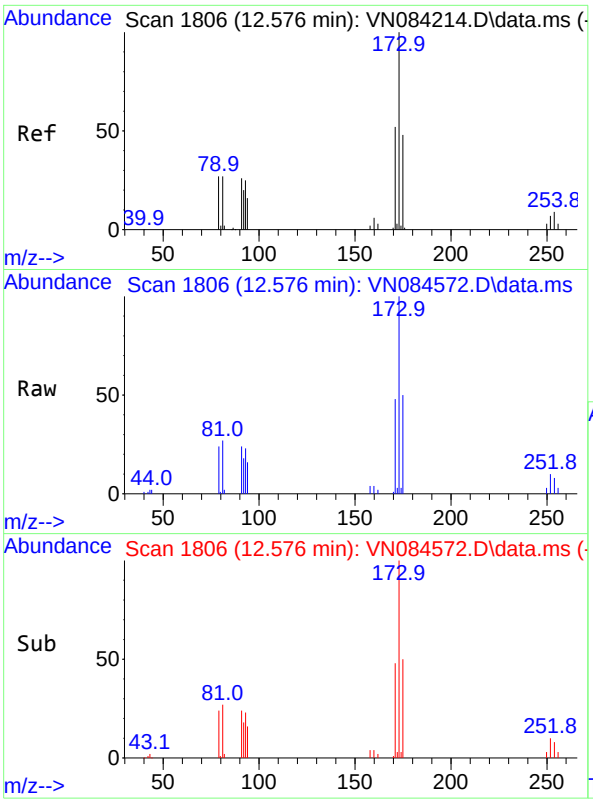


#70
Styrene
Concen: 20.907 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



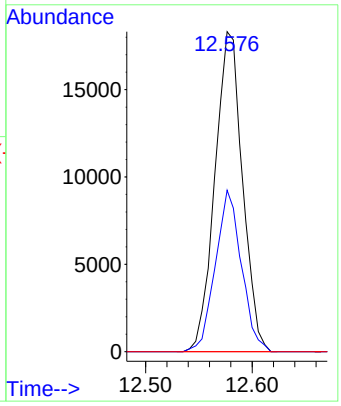


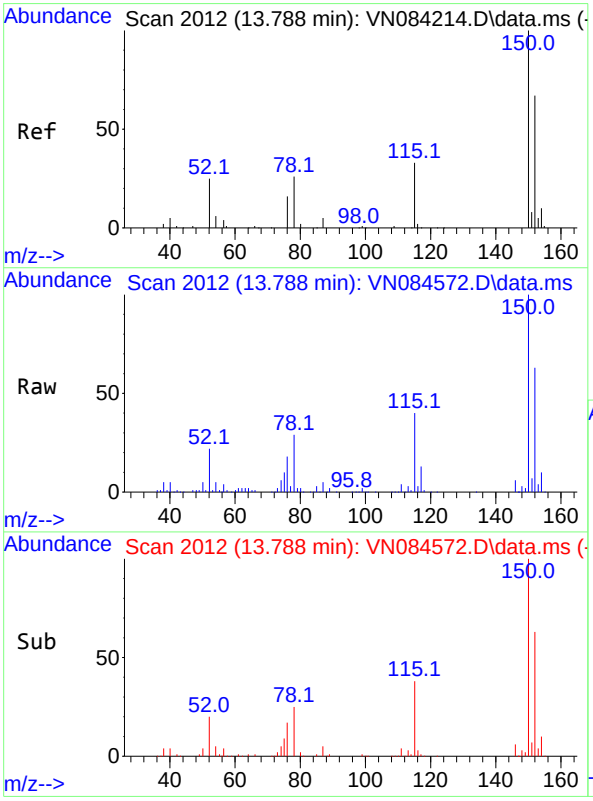
#71
Bromoform
Concen: 20.369 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

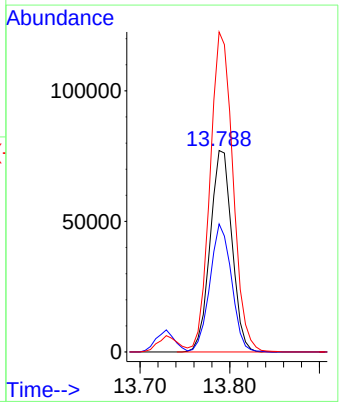


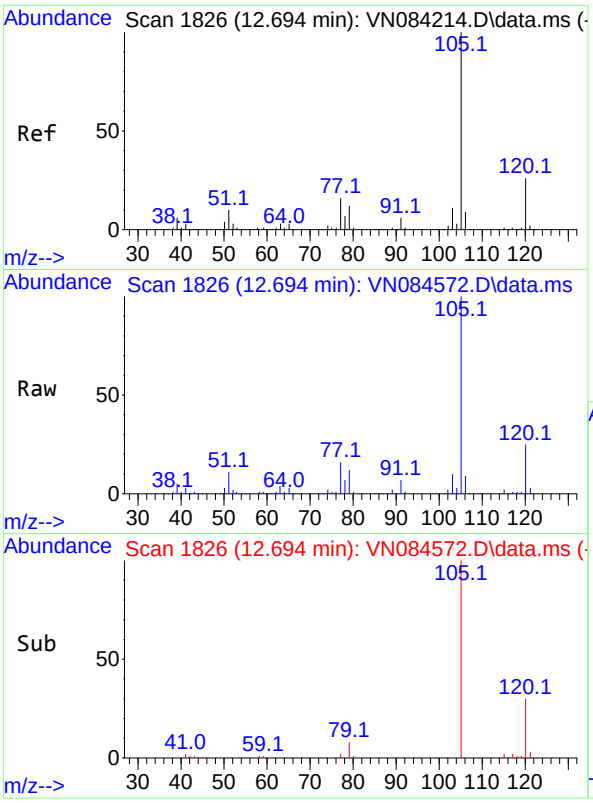


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



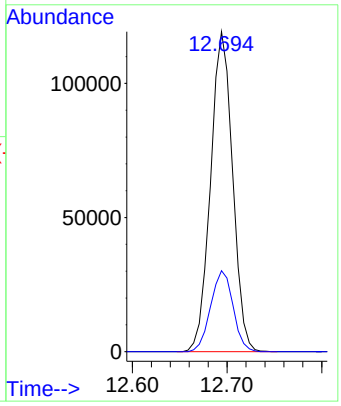


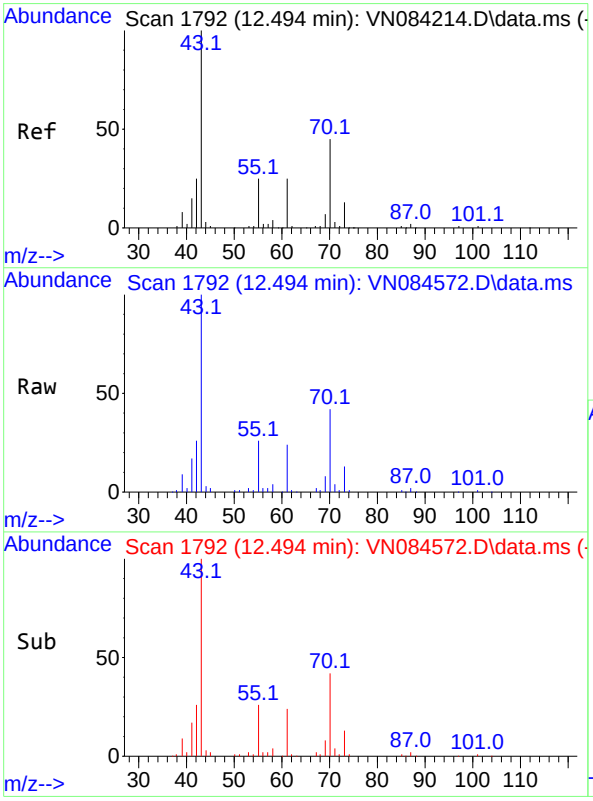
#73
Isopropylbenzene
Concen: 21.127 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 193023

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

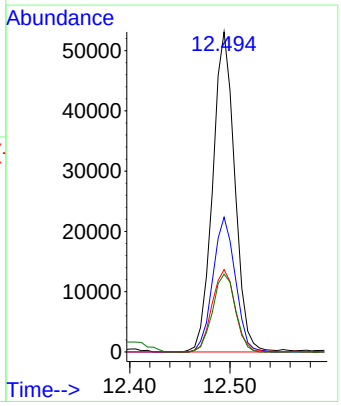


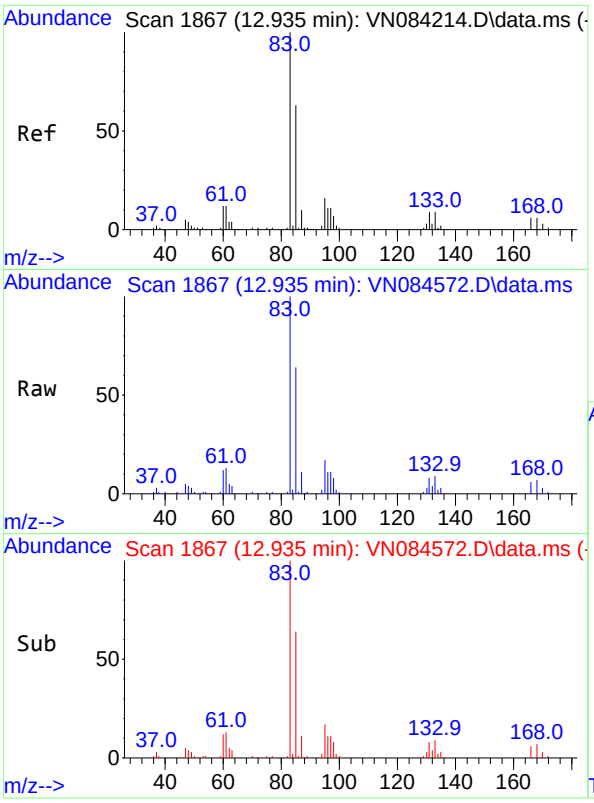


#74
N-amyl acetate
Concen: 20.815 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



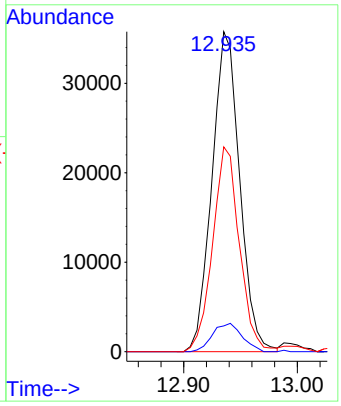


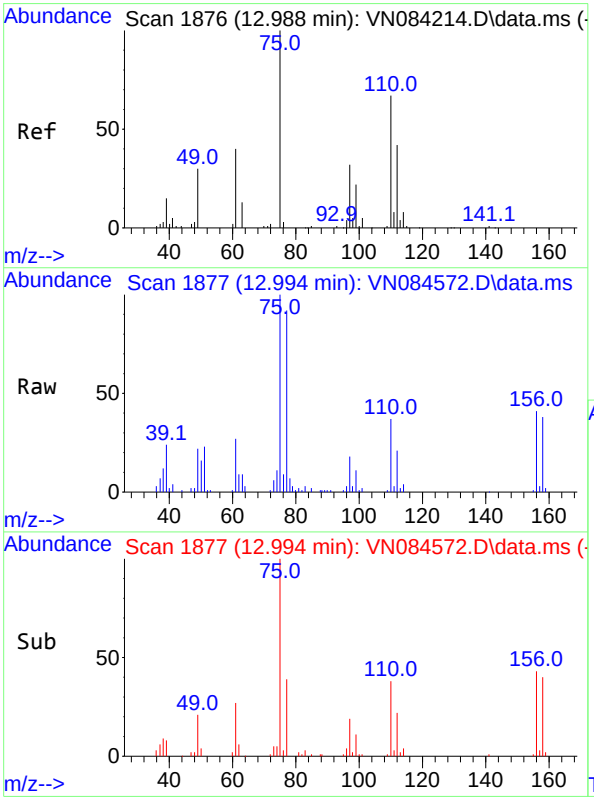
#75
1,1,2,2-Tetrachloroethane
Concen: 19.886 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

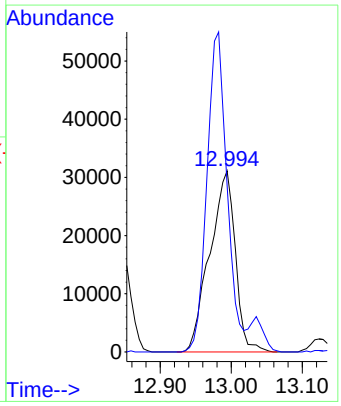


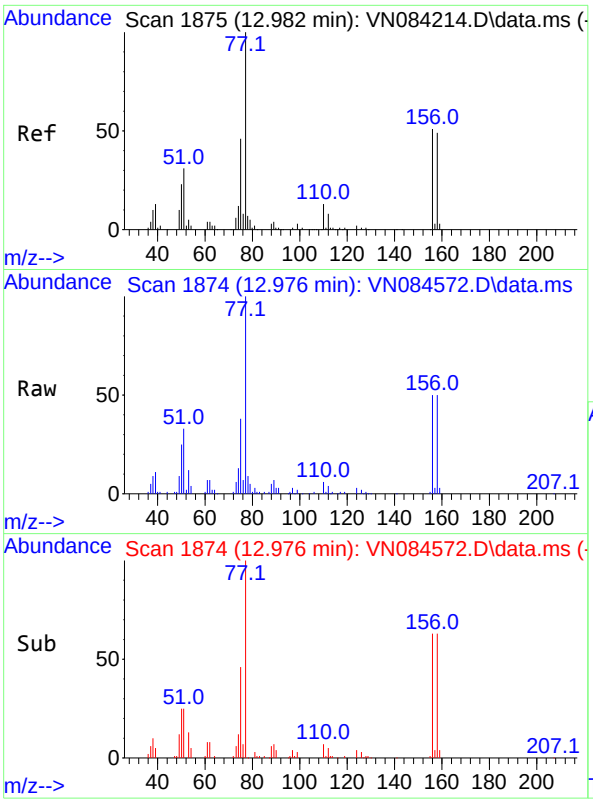


#76
1,2,3-Trichloropropane
Concen: 30.169 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 75 Resp: 77615

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



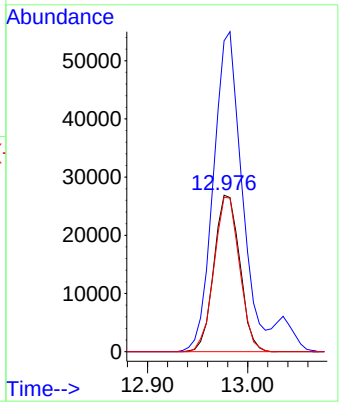


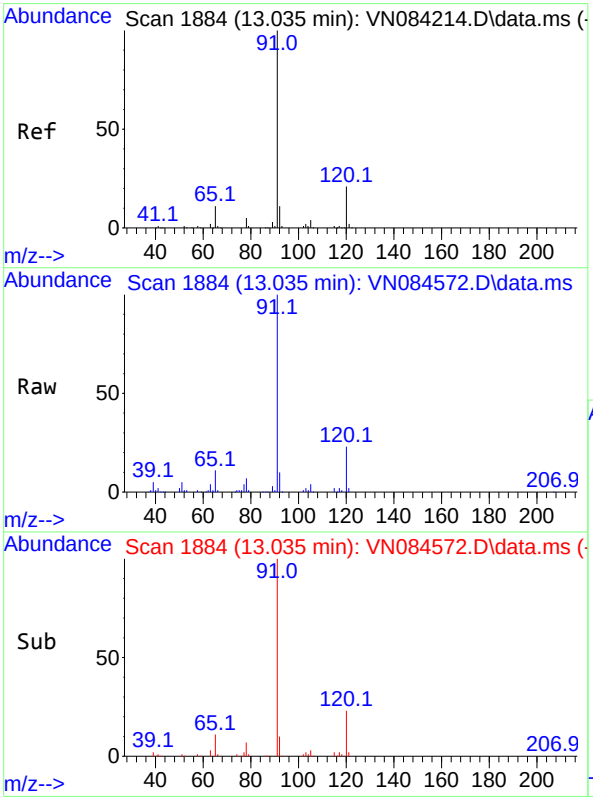
#77
Bromobenzene
Concen: 19.550 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

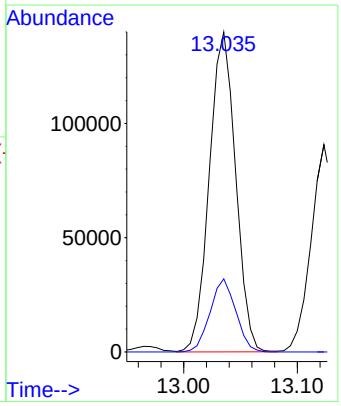


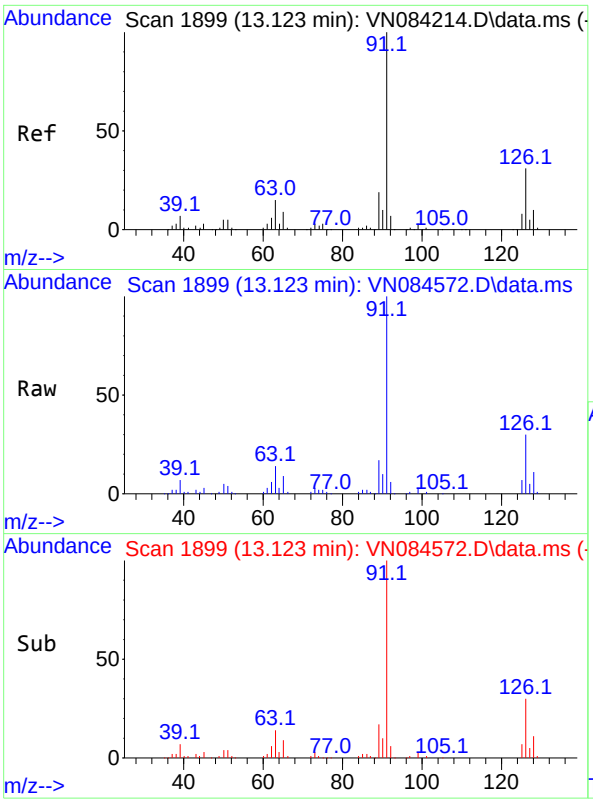


#78
n-propylbenzene
Concen: 21.024 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 225085

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



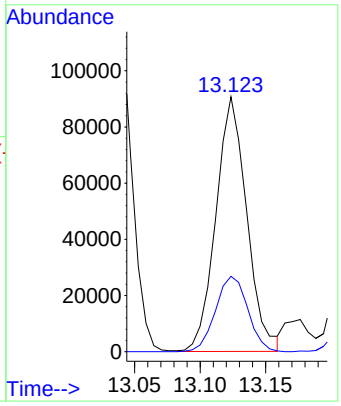


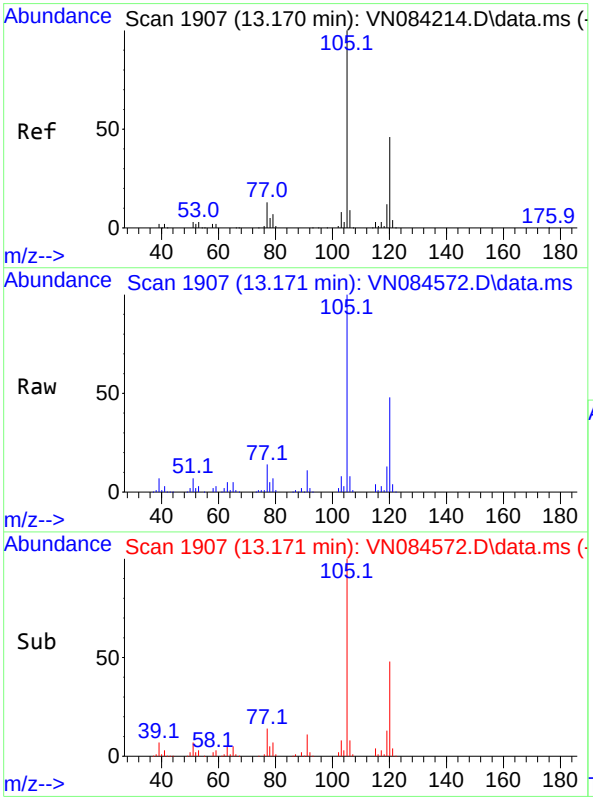
#79
2-Chlorotoluene
Concen: 21.233 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 148533

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1

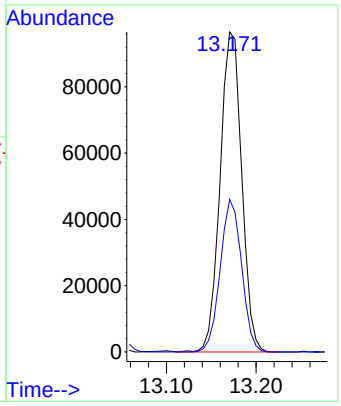


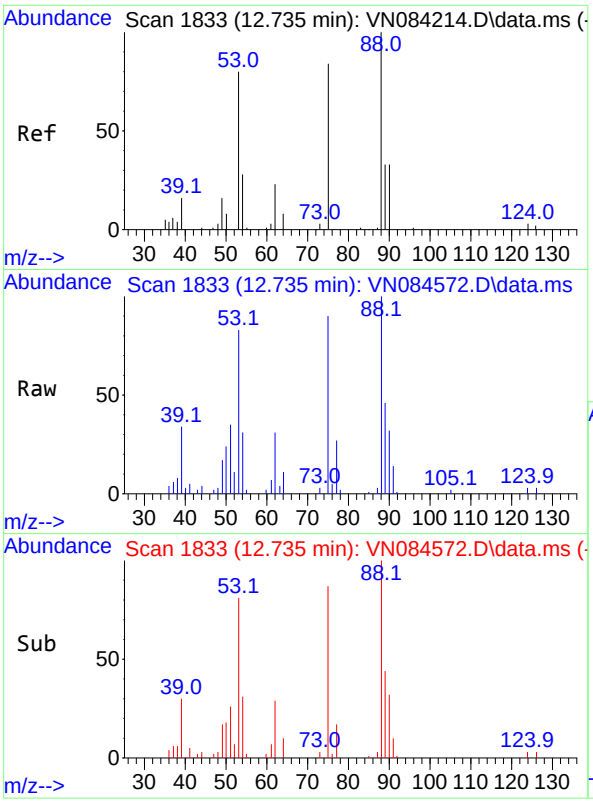


#80
1,3,5-Trimethylbenzene
Concen: 21.343 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 161619

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.7	71.1



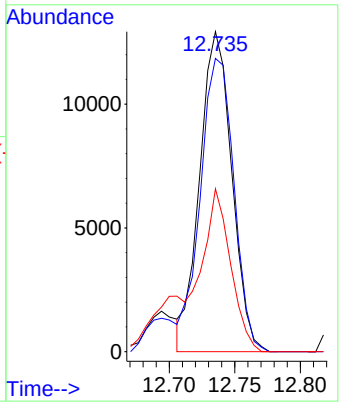


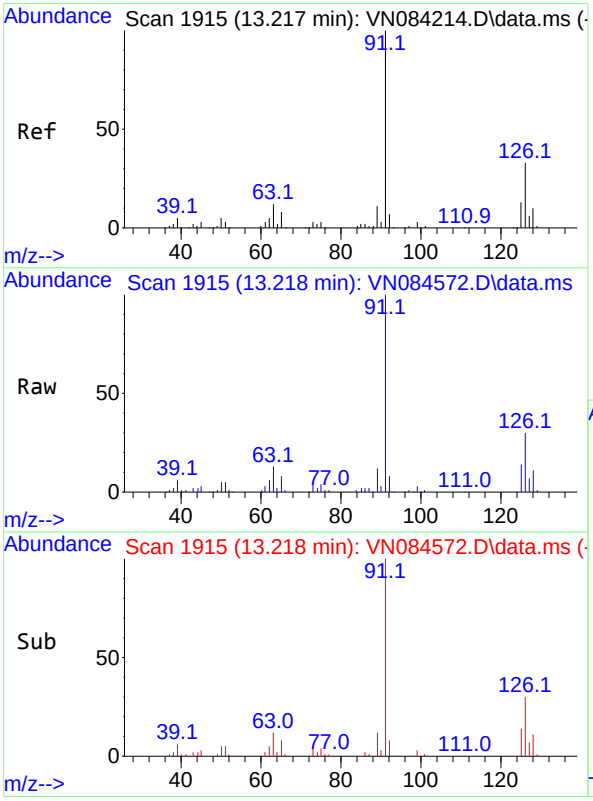
#81
trans-1,4-Dichloro-2-butene
Concen: 20.070 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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#

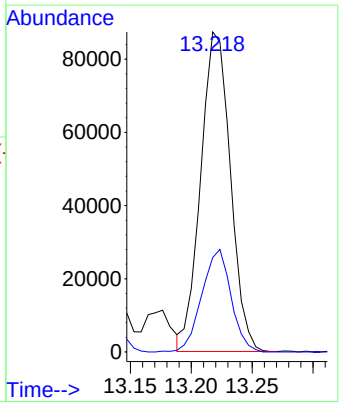


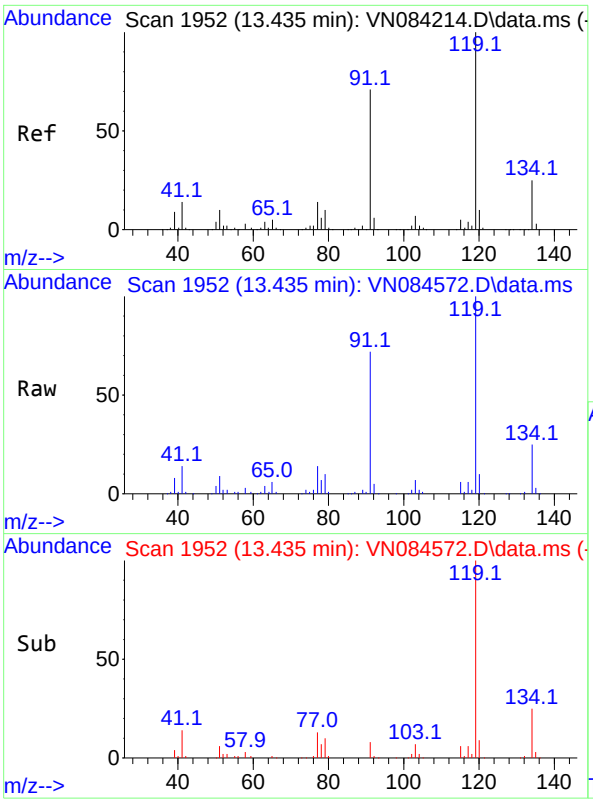


#82
4-Chlorotoluene
Concen: 20.102 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion: 91 Resp: 147989

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1



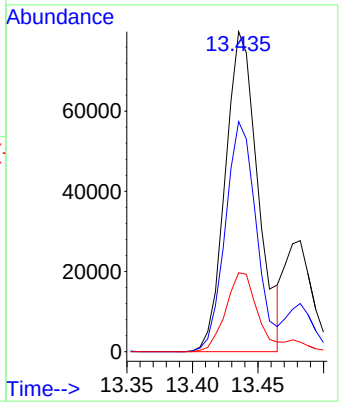


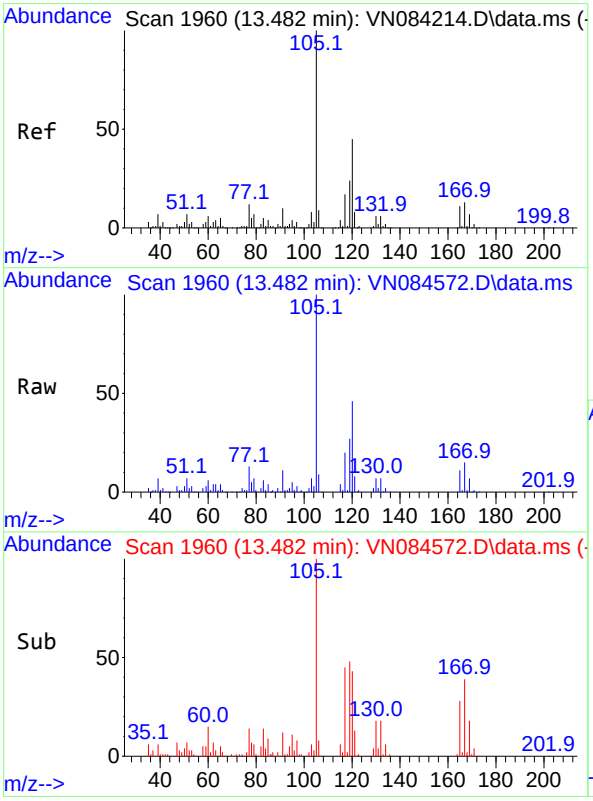
#83
tert-Butylbenzene
Concen: 22.033 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

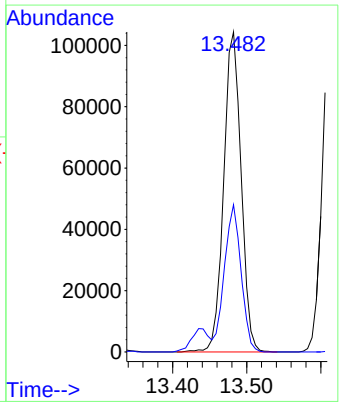


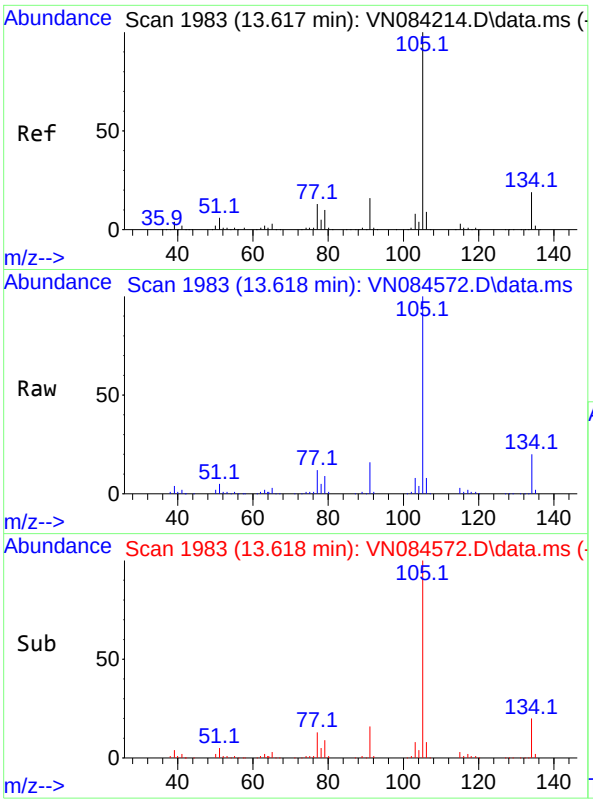


#84
1,2,4-Trimethylbenzene
Concen: 21.783 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:105 Resp: 170246

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.8



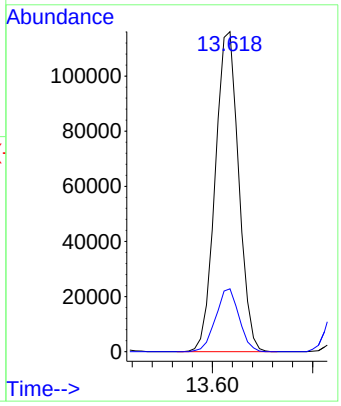


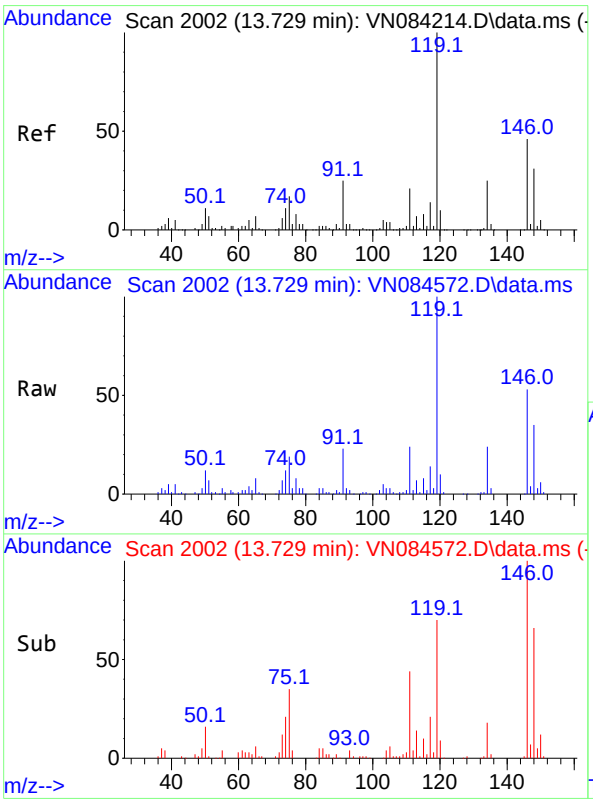
#85
sec-Butylbenzene
Concen: 21.255 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 188158

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

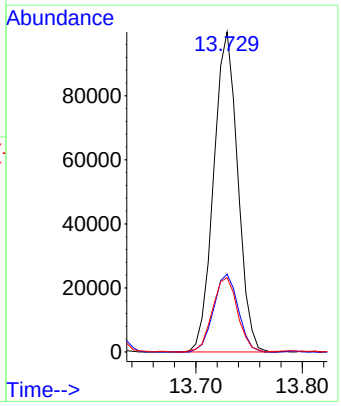


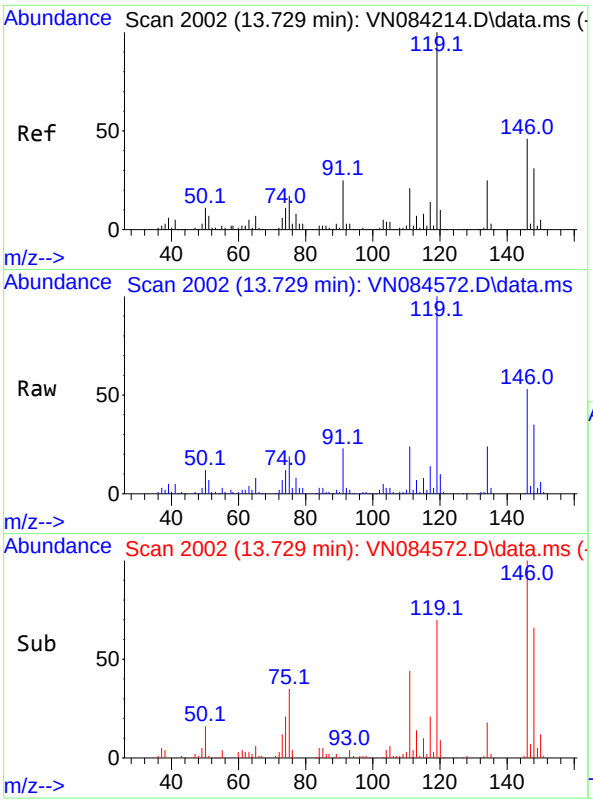


#86
p-Isopropyltoluene
Concen: 21.569 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



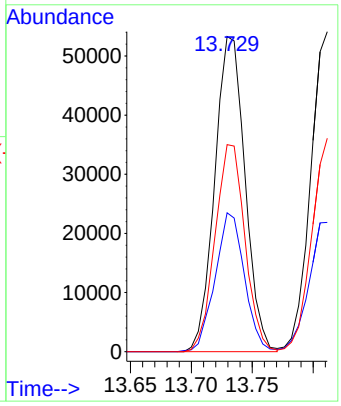


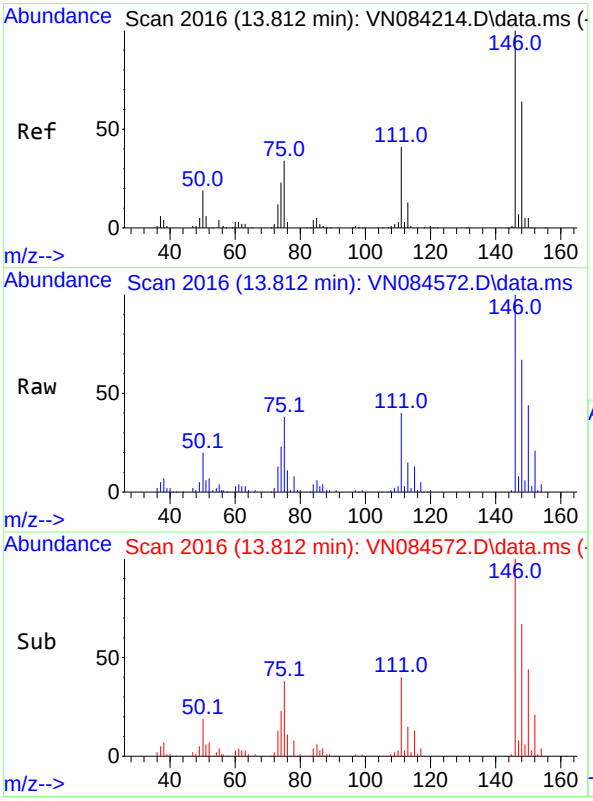
#87
1,3-Dichlorobenzene
Concen: 19.258 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

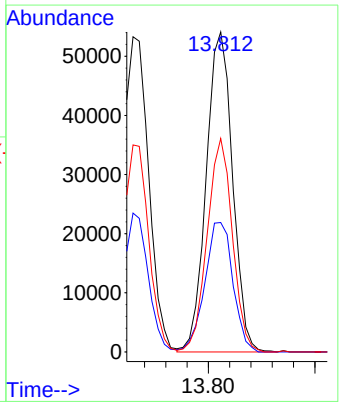


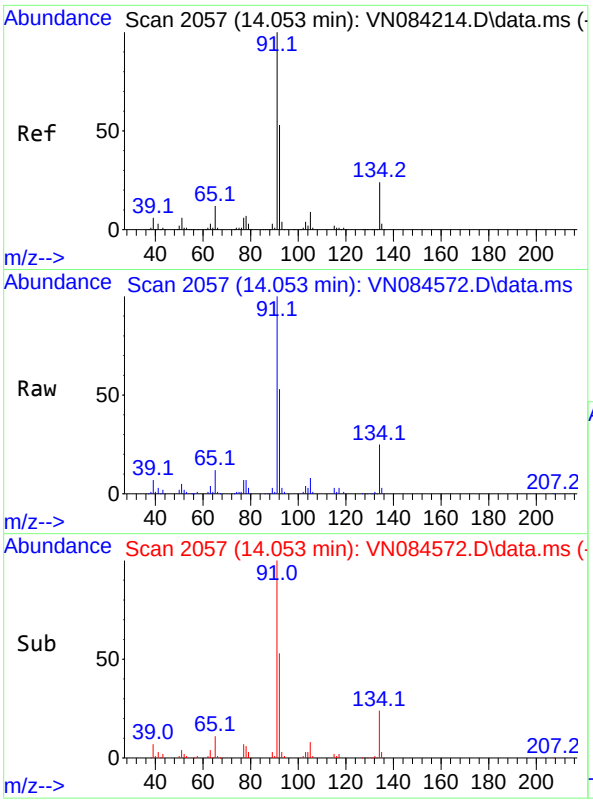


#88
1,4-Dichlorobenzene
Concen: 20.458 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



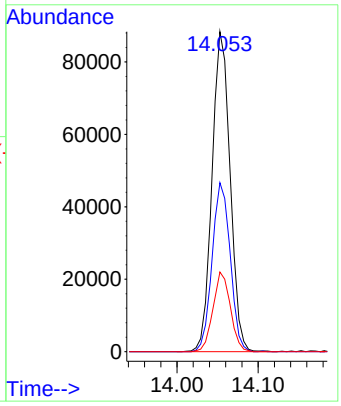


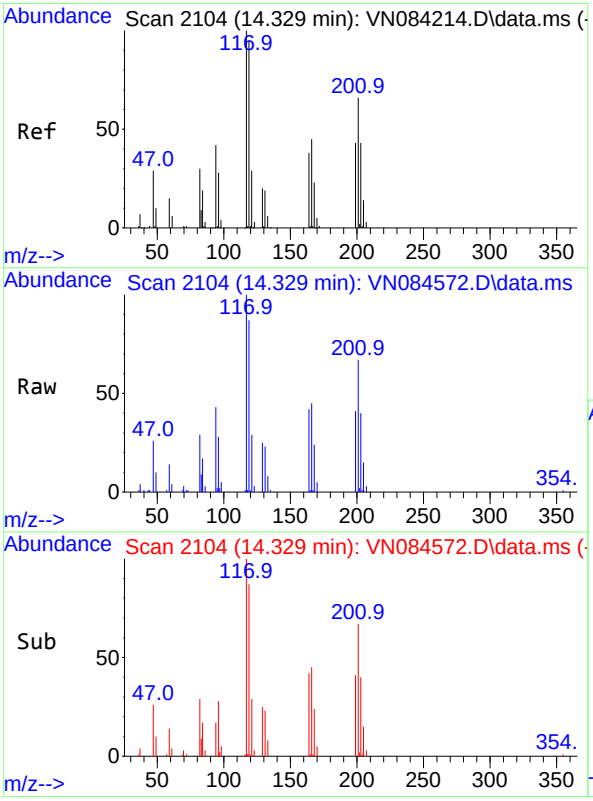
#89
n-Butylbenzene
Concen: 20.139 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

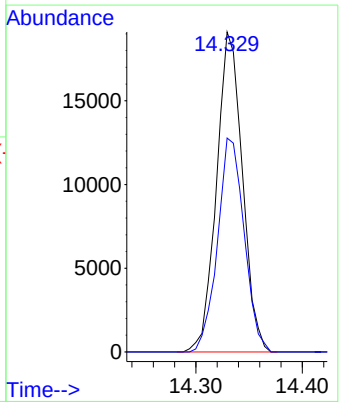


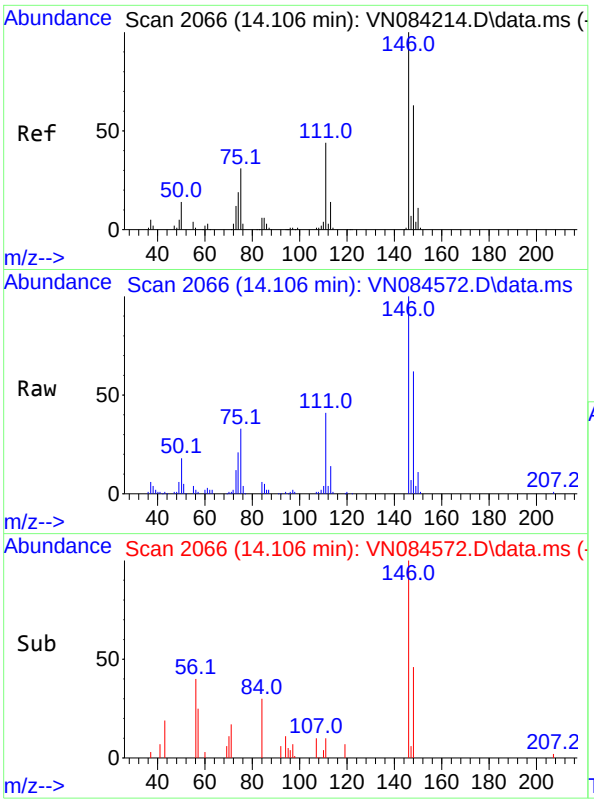


#90
Hexachloroethane
Concen: 19.887 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

Tgt Ion:117 Resp: 32199

Ion	Ratio	Lower	Upper
117	100		
201	68.7	34.4	103.2



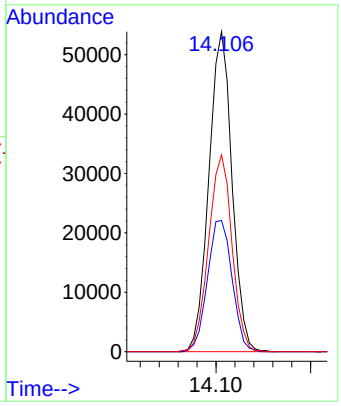


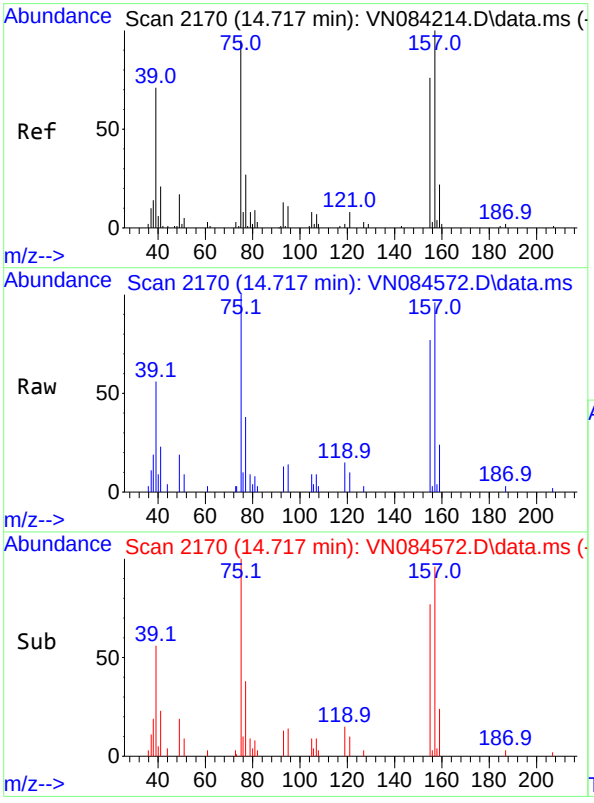
#91
1,2-Dichlorobenzene
Concen: 19.787 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

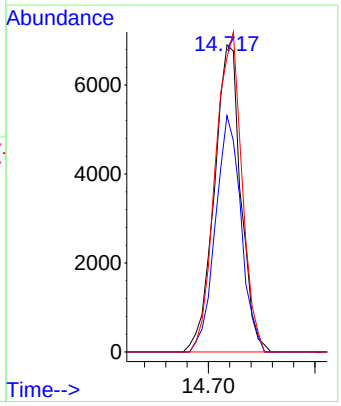


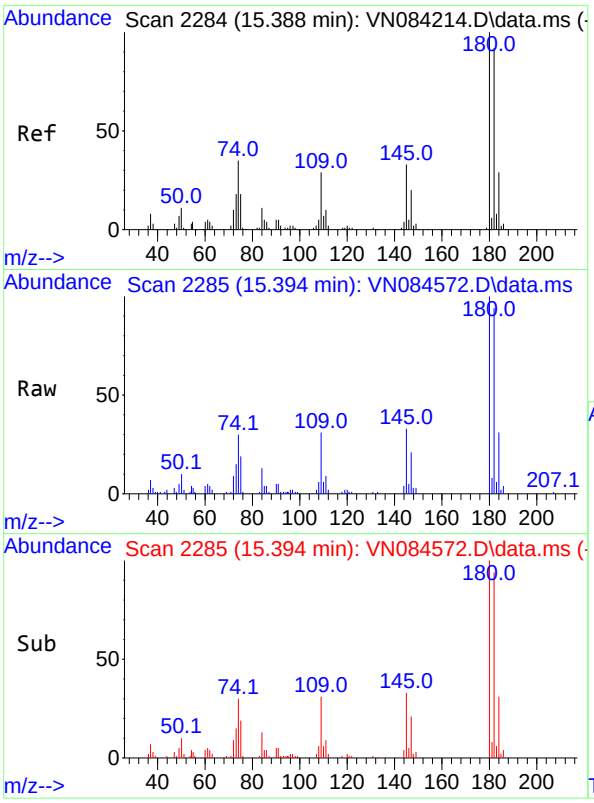


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.362 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



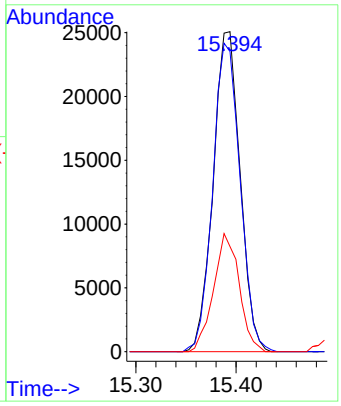


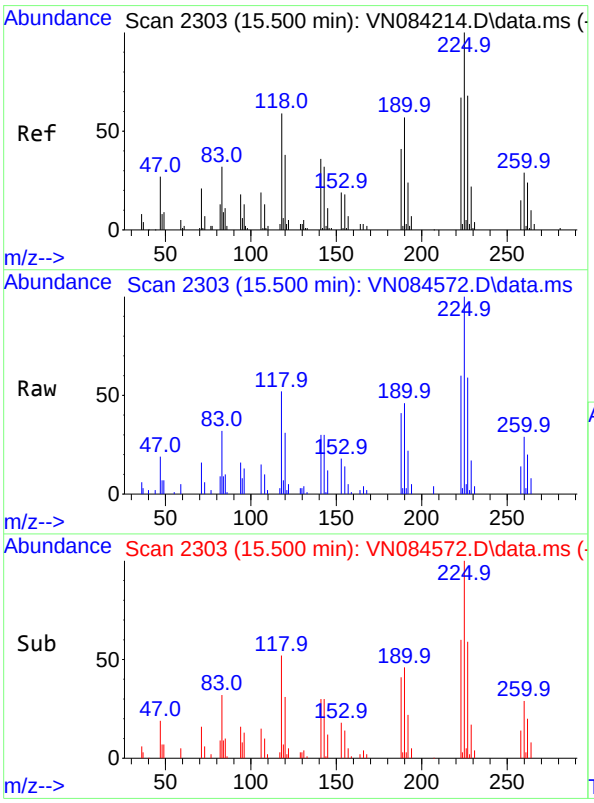
#93
1,2,4-Trichlorobenzene
Concen: 18.523 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

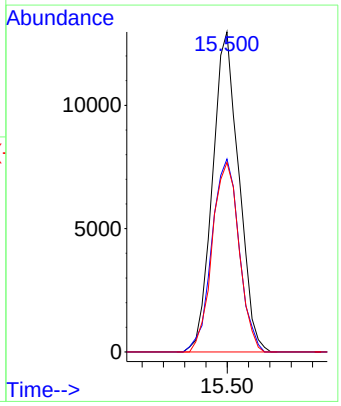


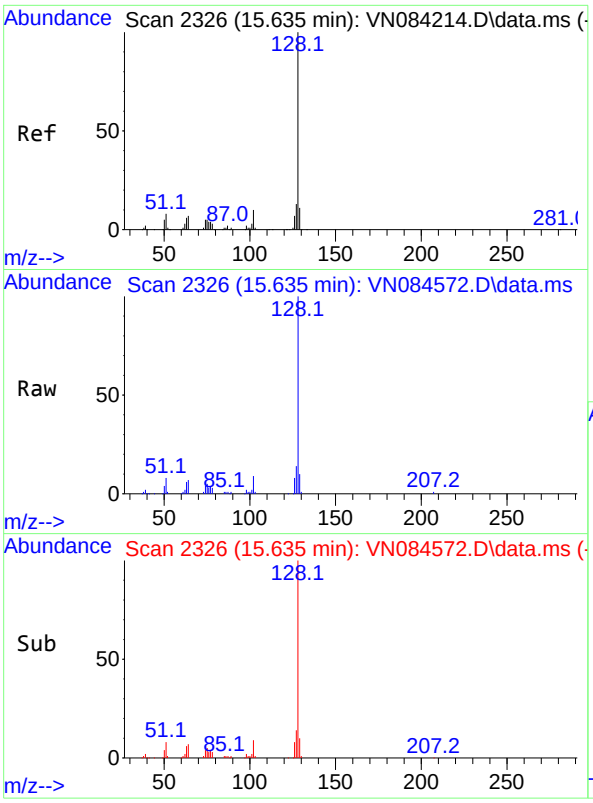


#94
Hexachlorobutadiene
Concen: 20.066 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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



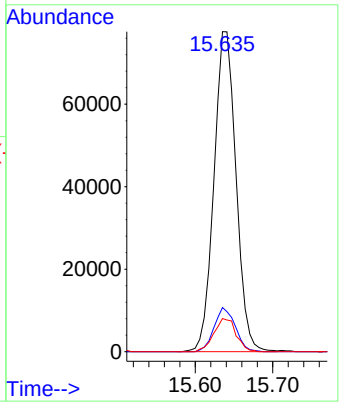


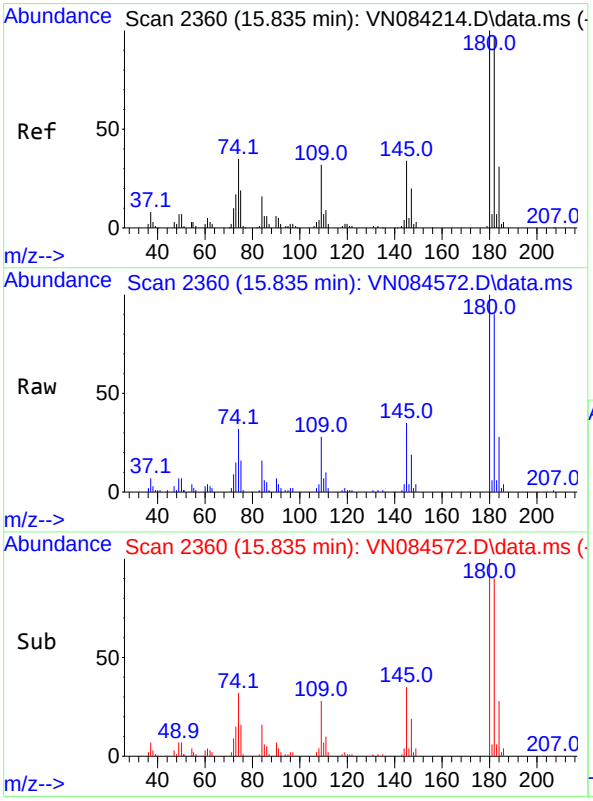
#95
Naphthalene
Concen: 20.404 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

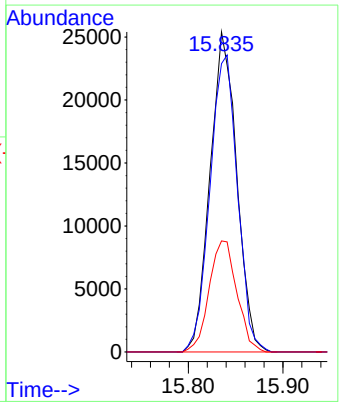




#96
1,2,3-Trichlorobenzene
Concen: 20.308 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084572.D
Acq: 30 Oct 2024 12:33

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

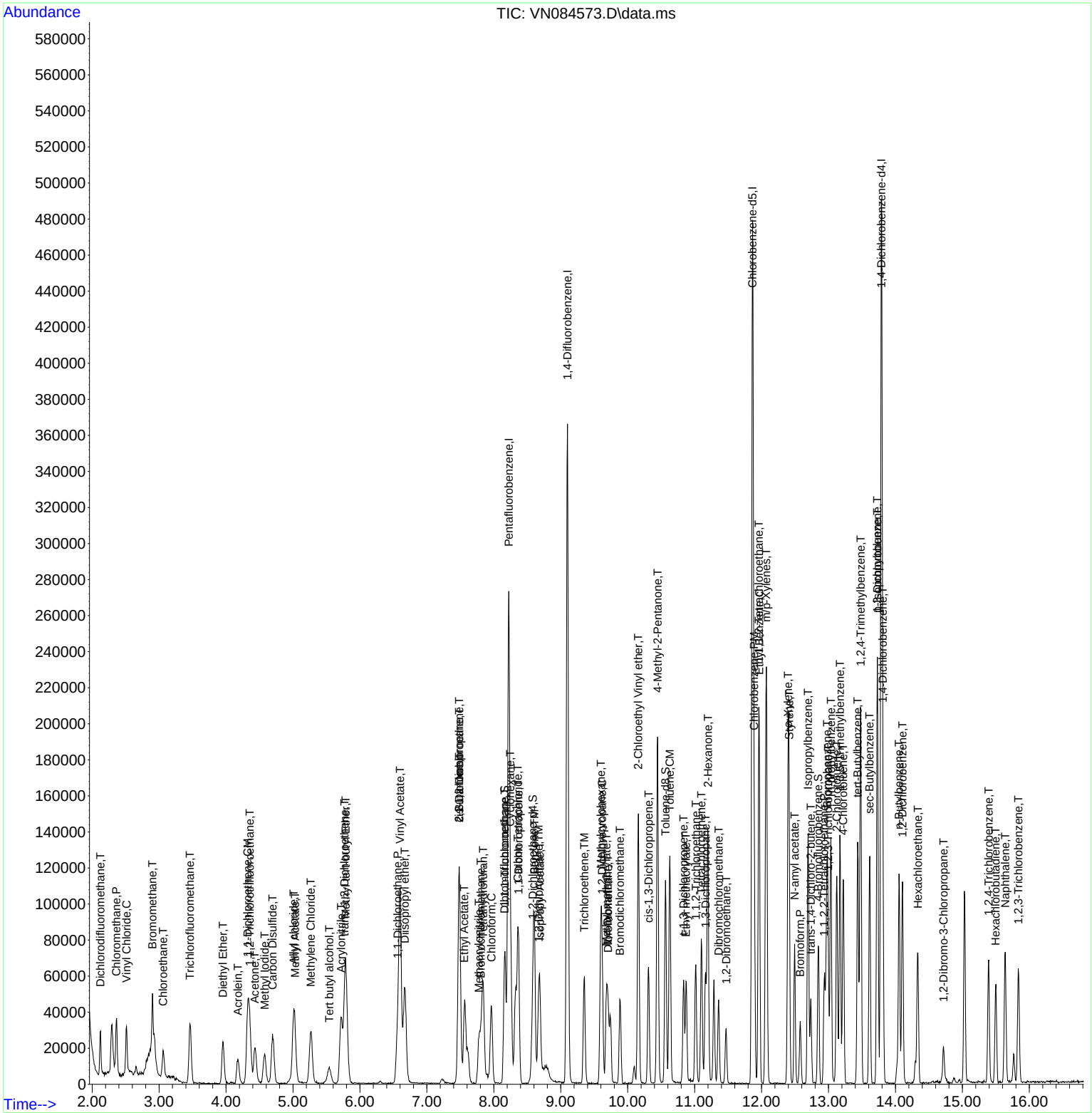
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

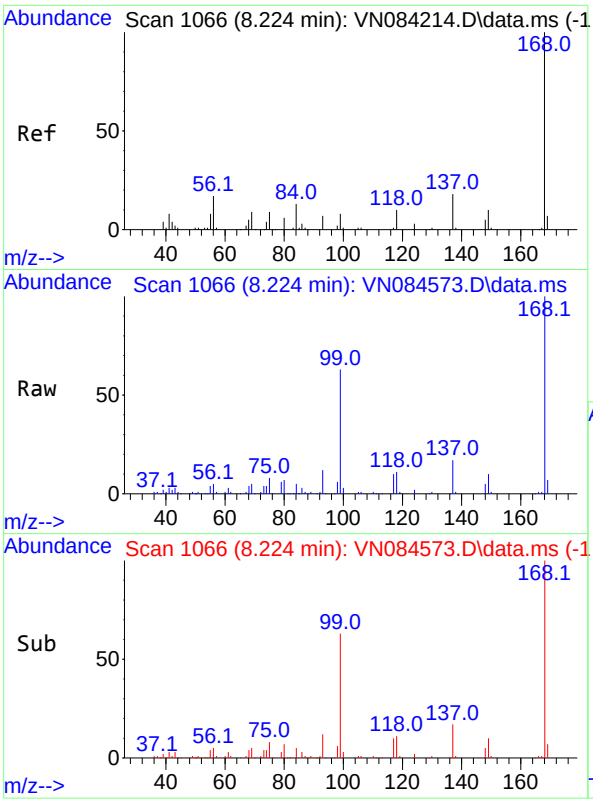
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



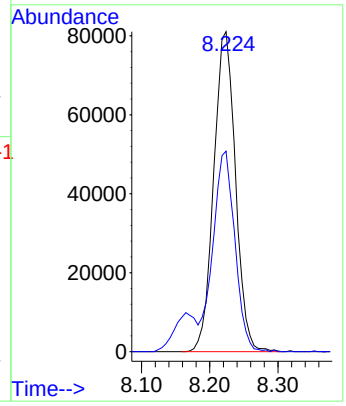


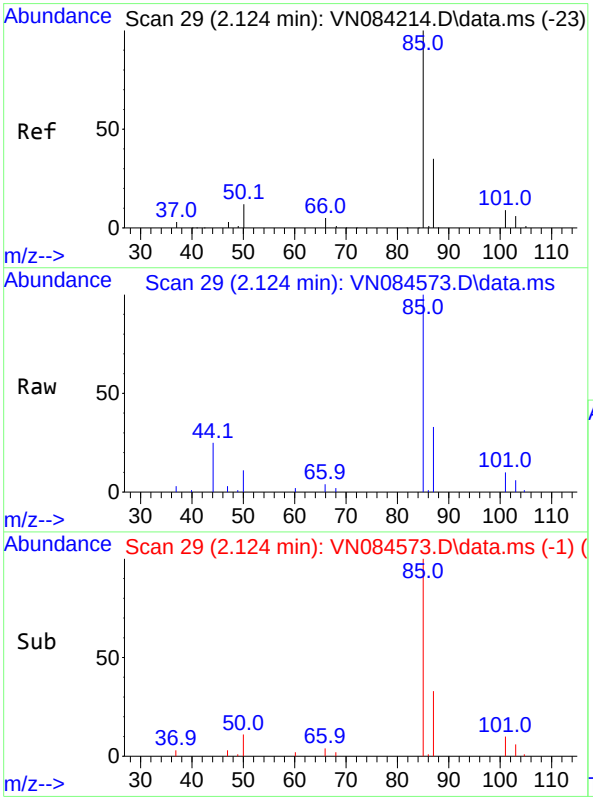
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 179863

Ion	Ratio	Lower	Upper
168	100		
99	62.6	54.2	81.2

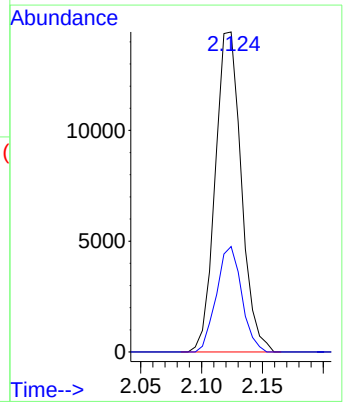


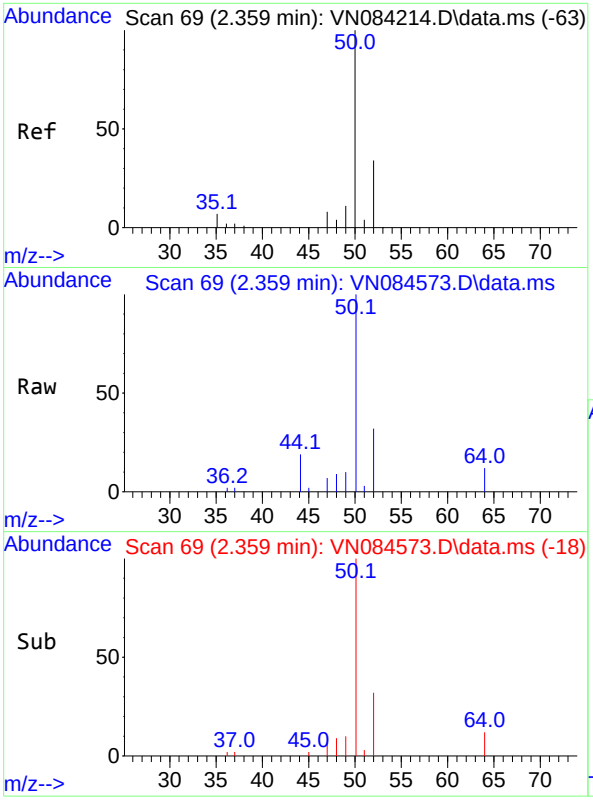


#2
Dichlorodifluoromethane
Concen: 10.399 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 85 Resp: 21501

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.6	52.9



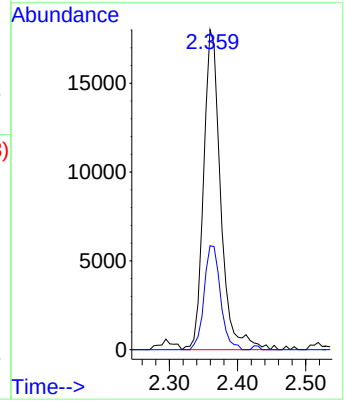


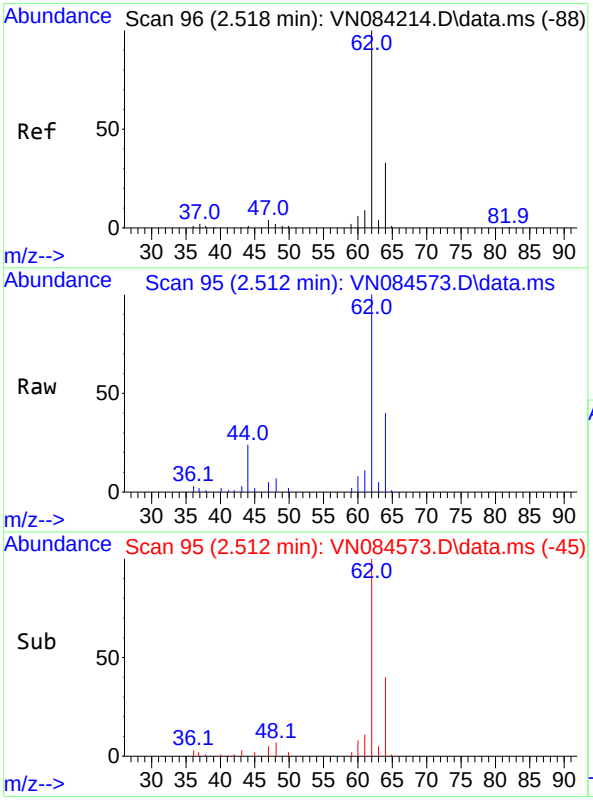
#3
Chloromethane
Concen: 10.950 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 31342

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.8	40.2

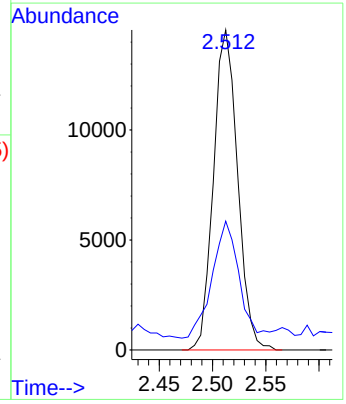


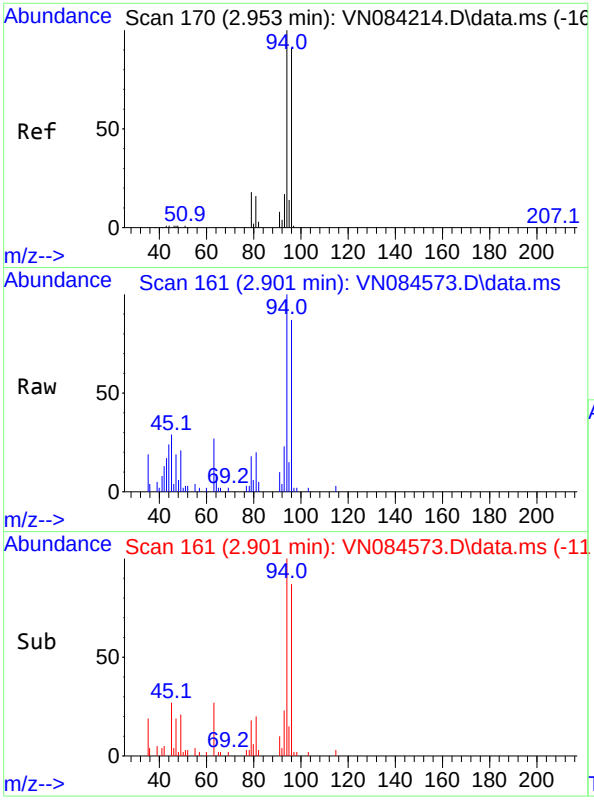


#4
Vinyl Chloride
Concen: 10.295 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 22896

Ion	Ratio	Lower	Upper
62	100		
64	36.6	26.2	39.4



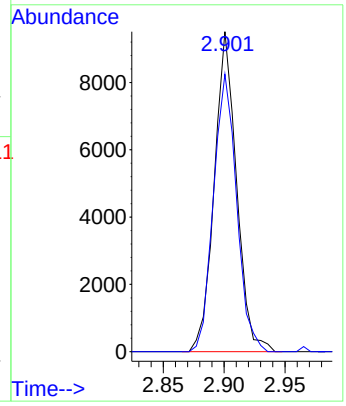


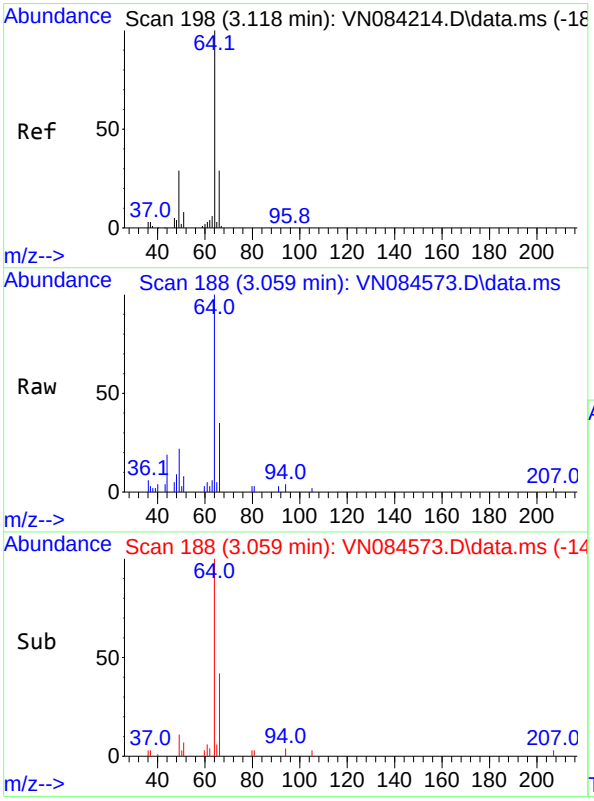
#5
Bromomethane
Concen: 10.245 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 12071

Ion	Ratio	Lower	Upper
94	100		
96	86.7	72.9	109.3

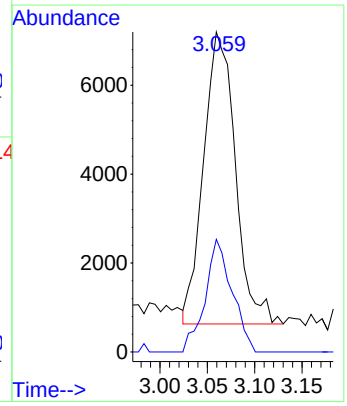


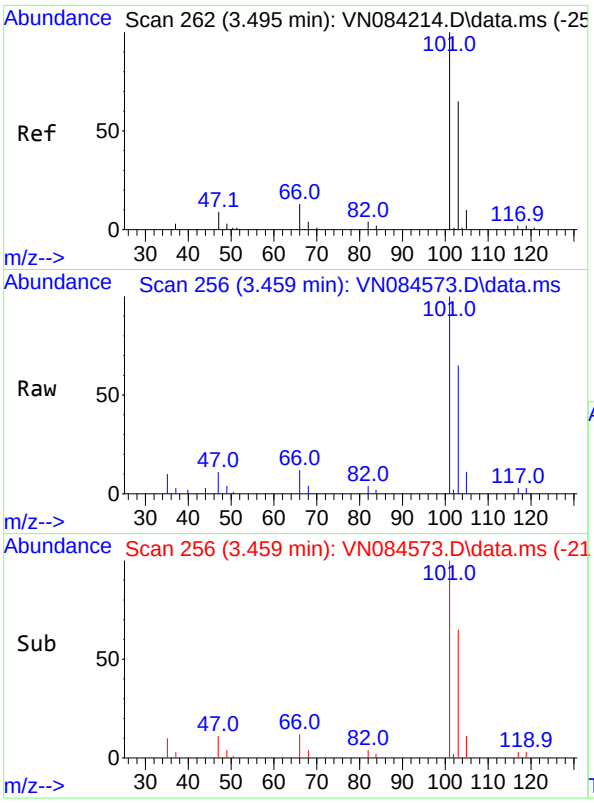


#6
Chloroethane
Concen: 10.010 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.059 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 64 Resp: 15315

Ion	Ratio	Lower	Upper
64	100		
66	38.6	23.5	35.3#



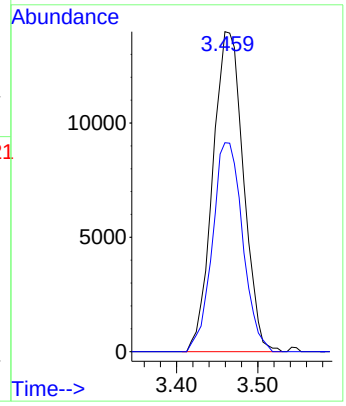


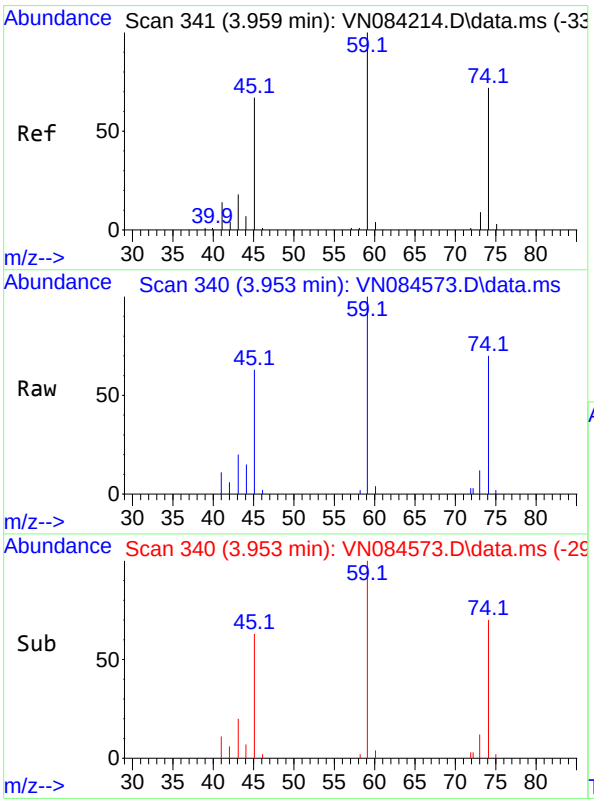
#7
Trichlorofluoromethane
Concen: 10.031 ug/l
RT: 3.459 min Scan# 2
Delta R.T. -0.036 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 36747

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.8	77.6

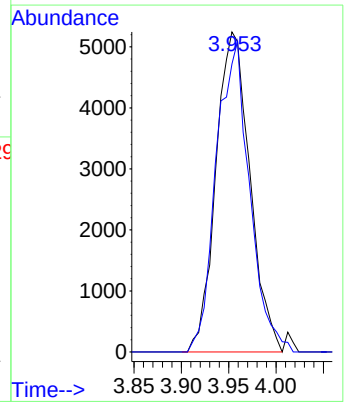


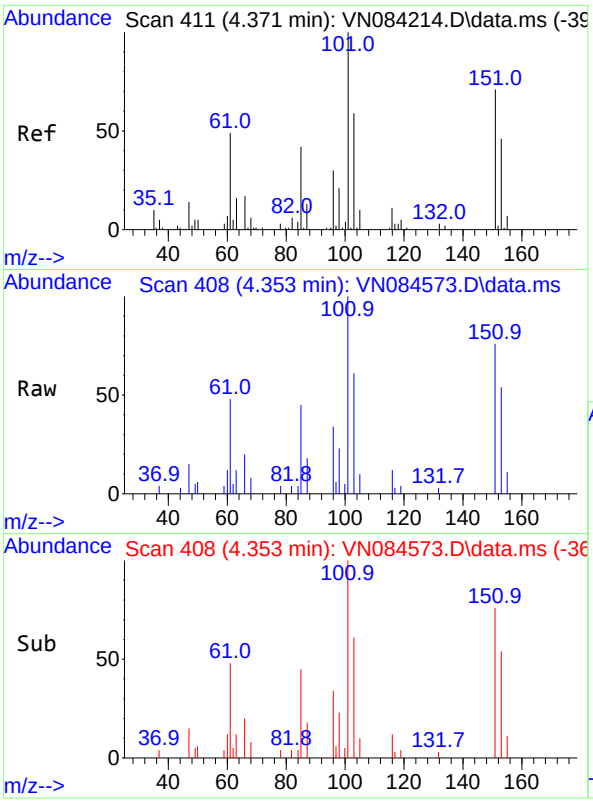


#8
Diethyl Ether
Concen: 10.129 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 74 Resp: 13090

Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.7	143.1



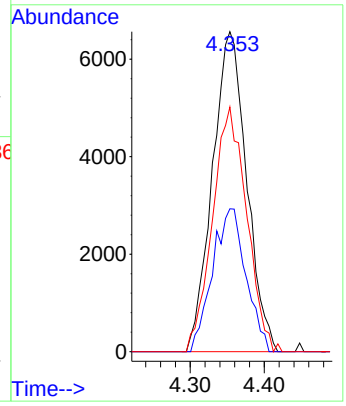


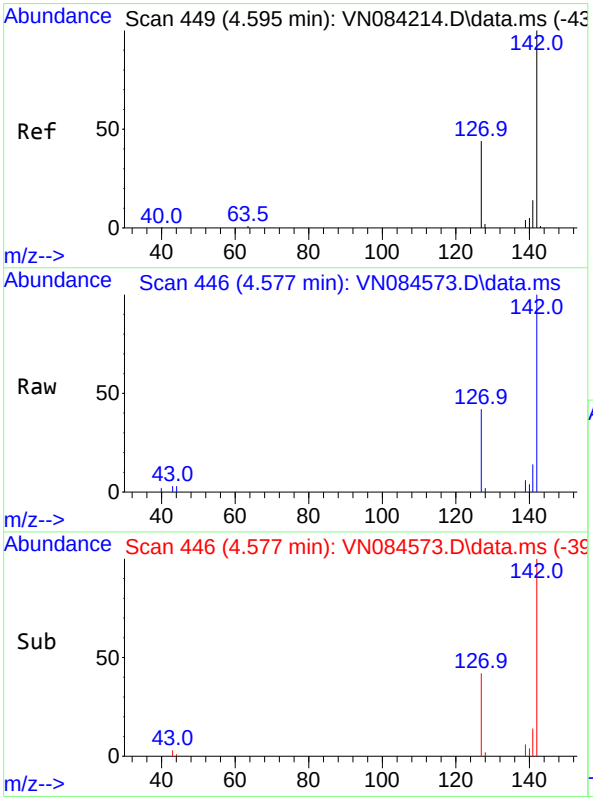
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.158 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

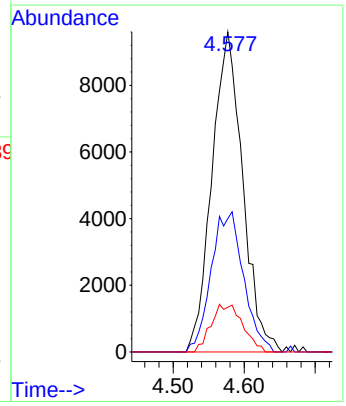


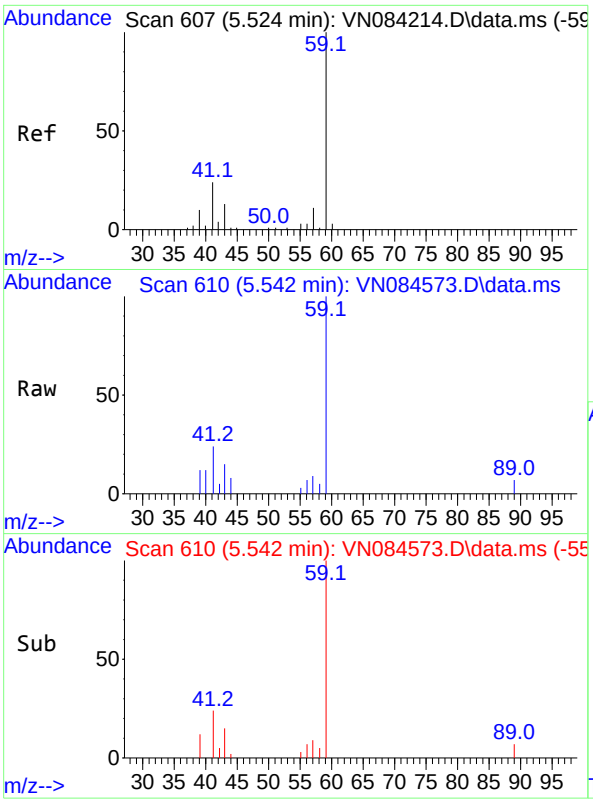


#10
Methyl Iodide
Concen: 10.408 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



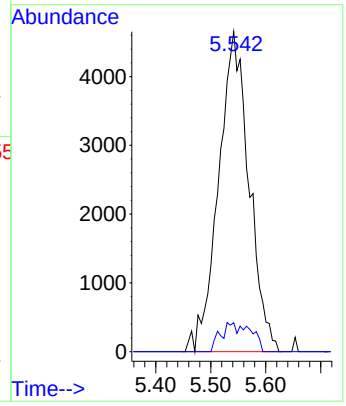


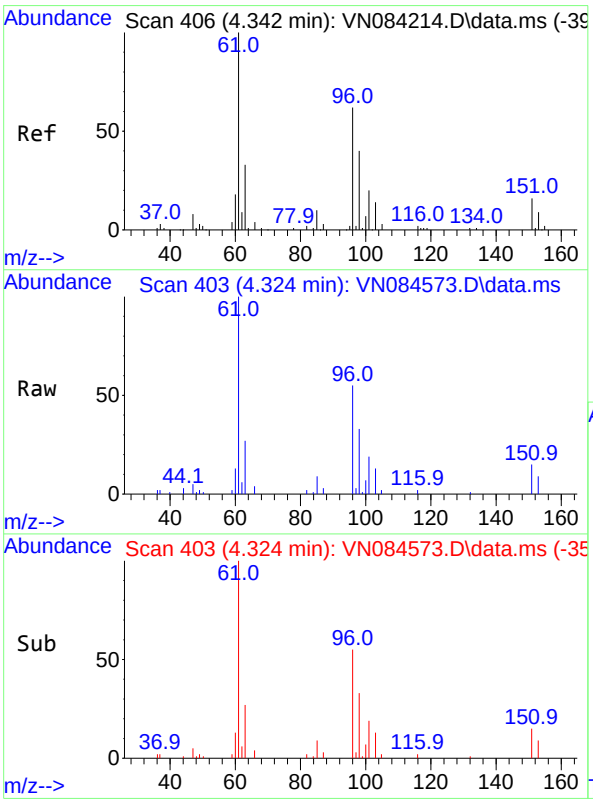
#11
Tert butyl alcohol
Concen: 52.198 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 17899

Ion	Ratio	Lower	Upper
59	100		
57	4.7	8.2	12.2#

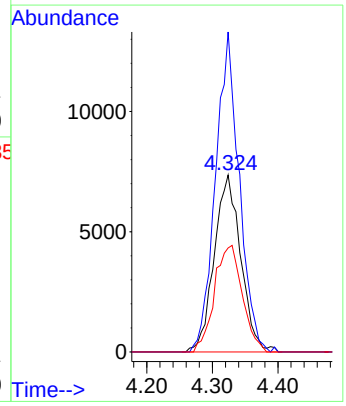


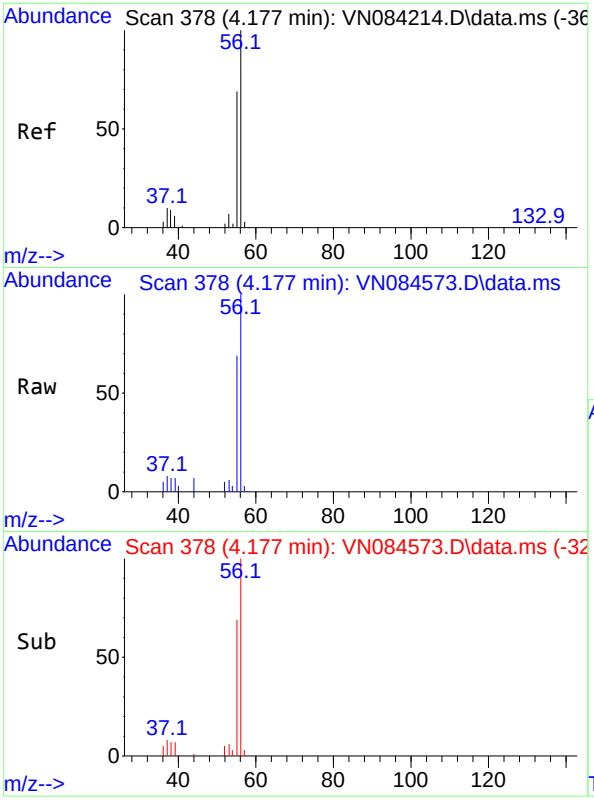


#12
1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



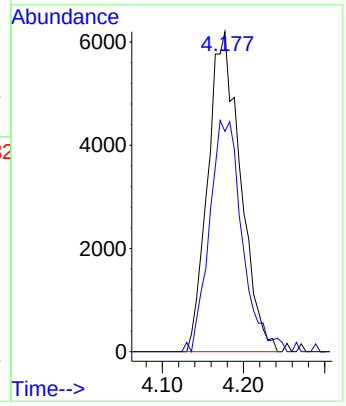


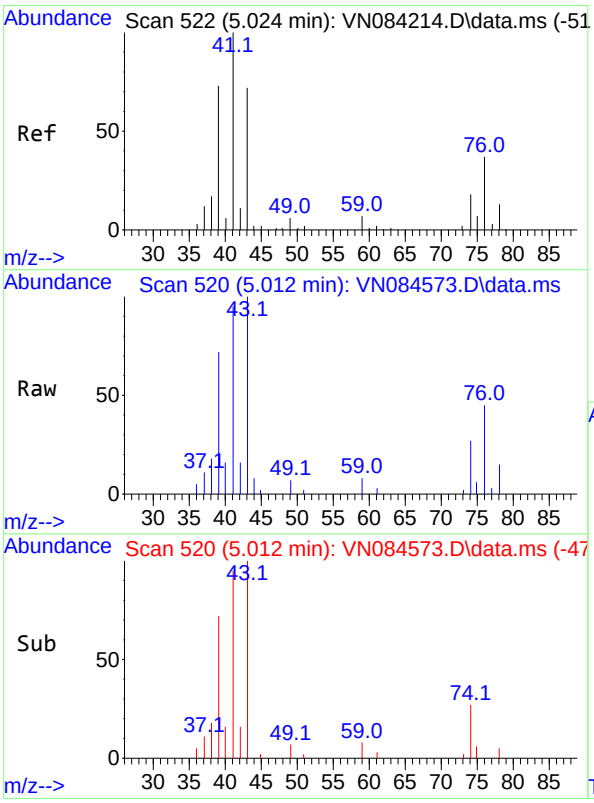
#13
Acrolein
Concen: 50.547 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 17284

Ion	Ratio	Lower	Upper
56	100		
55	72.7	57.2	85.8

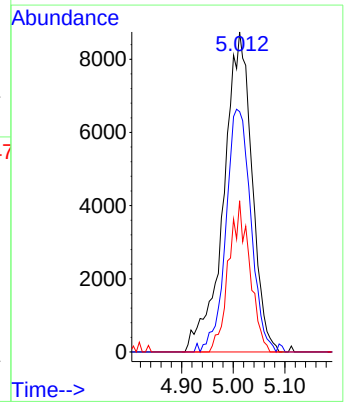


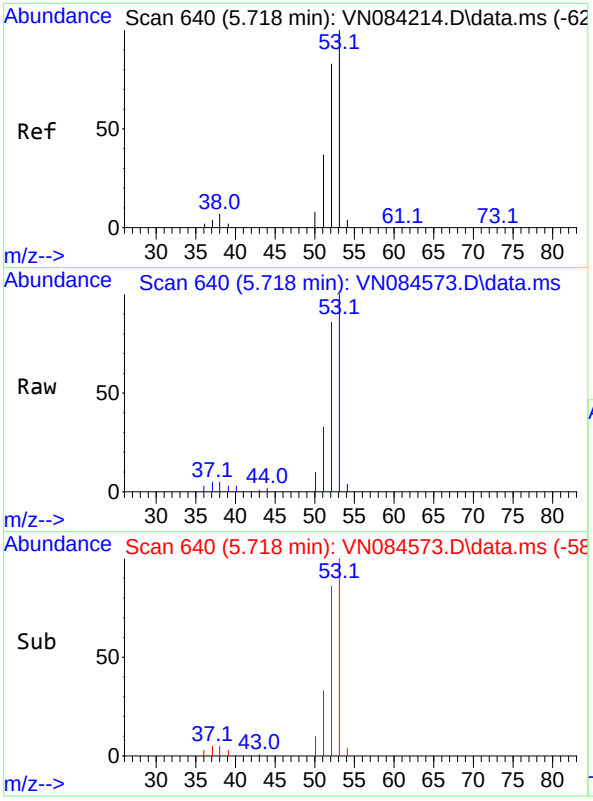


#14
Allyl chloride
Concen: 10.021 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



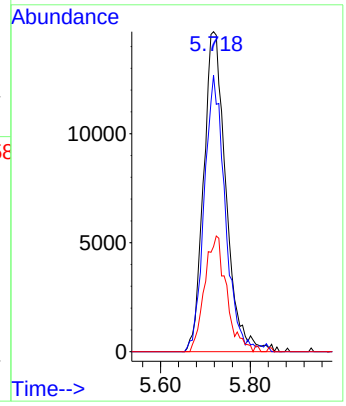


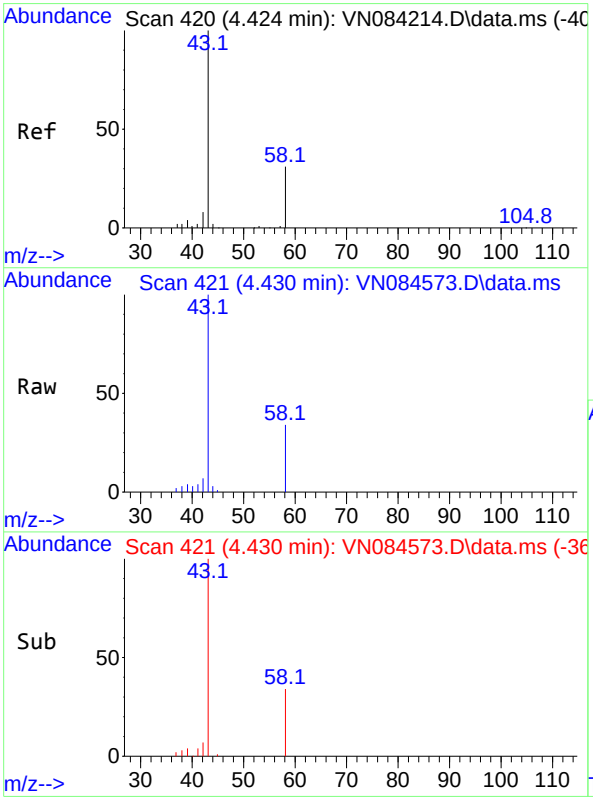
#15
Acrylonitrile
Concen: 51.104 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

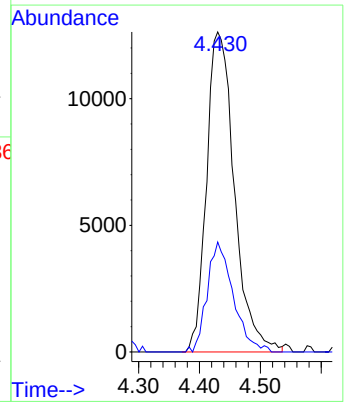


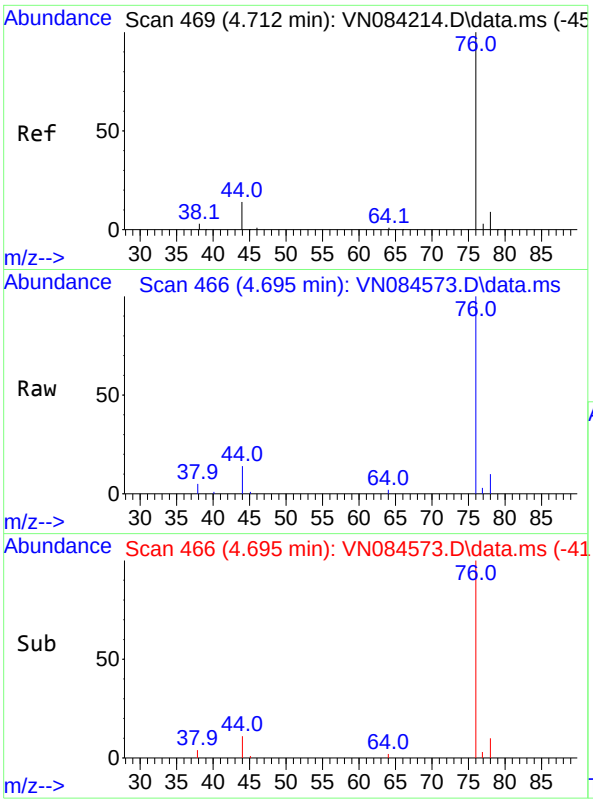


#16
Acetone
Concen: 51.168 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 40100

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6



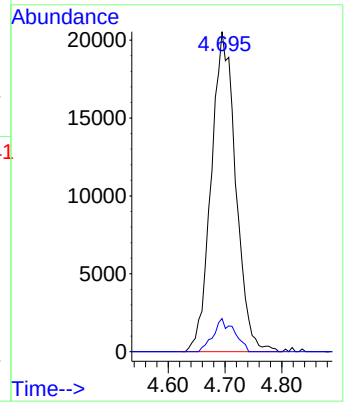


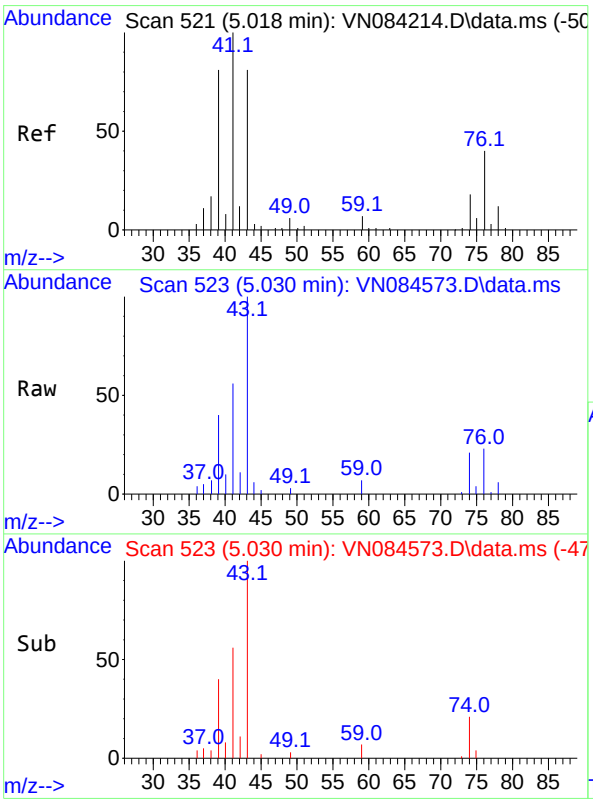
#17
Carbon Disulfide
Concen: 9.774 ug/l
RT: 4.695 min Scan# 4
Delta R.T. -0.017 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 61652

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

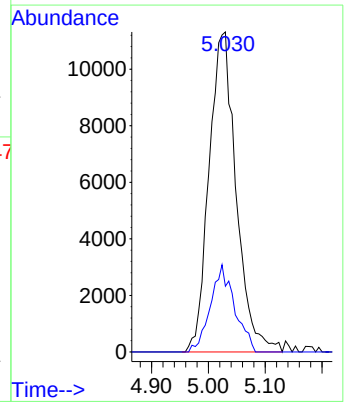


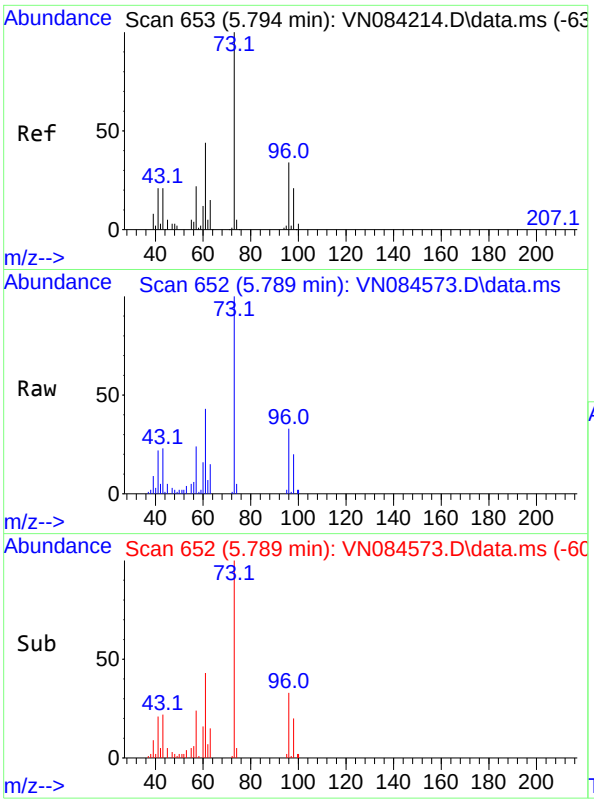


#18
Methyl Acetate
Concen: 10.544 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 43 Resp: 37538

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8



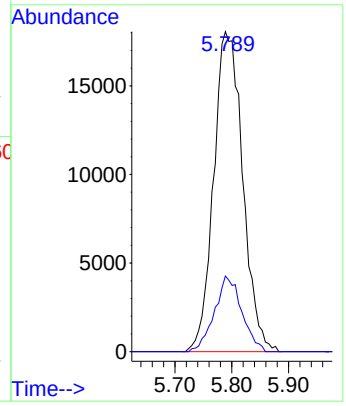


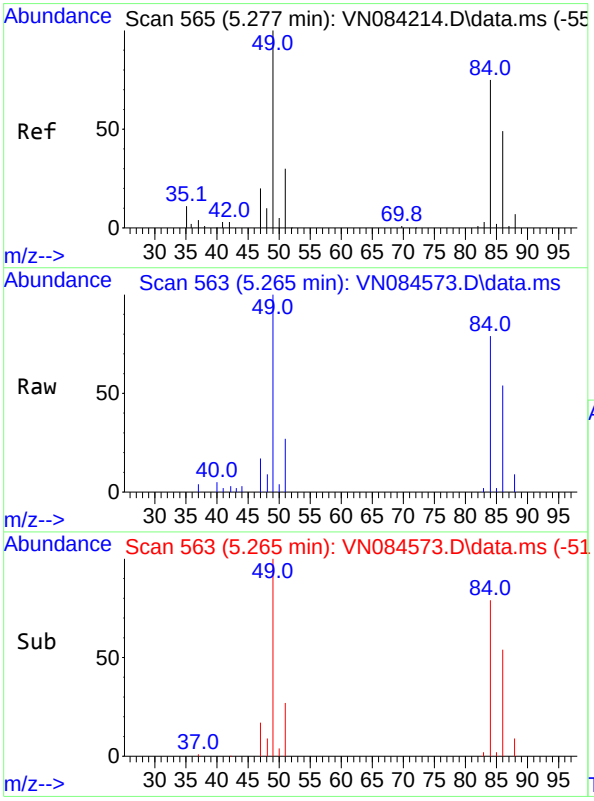
#19
Methyl tert-butyl Ether
Concen: 10.195 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 64007

Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.7	26.5

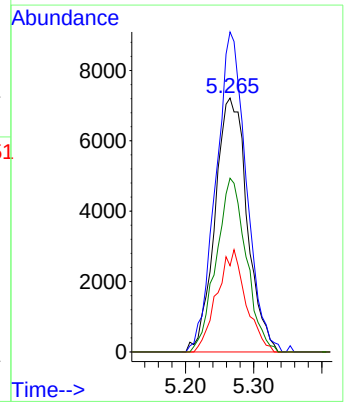


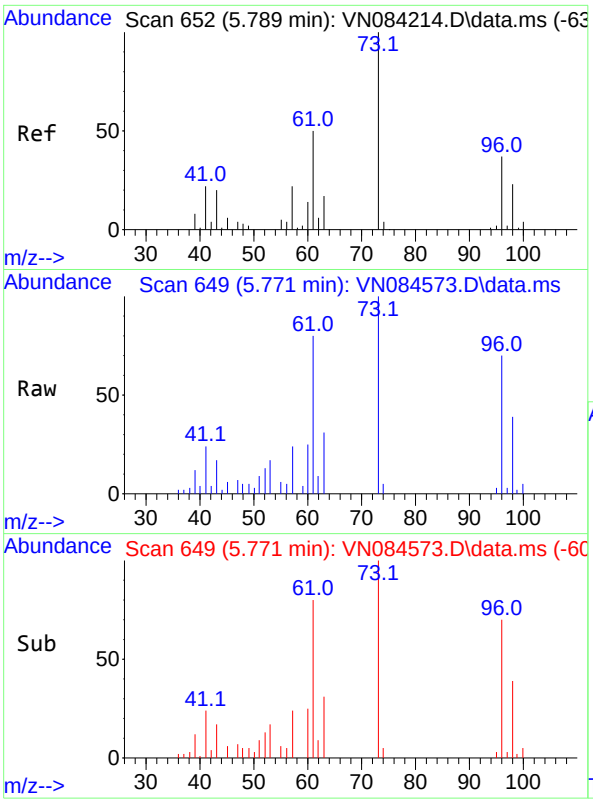


#20
Methylene Chloride
Concen: 10.366 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



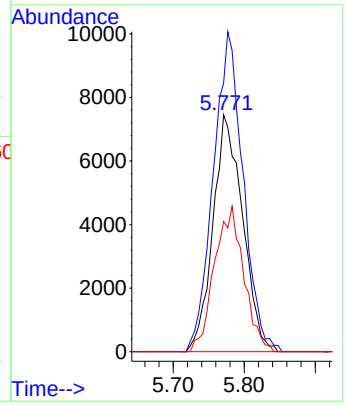


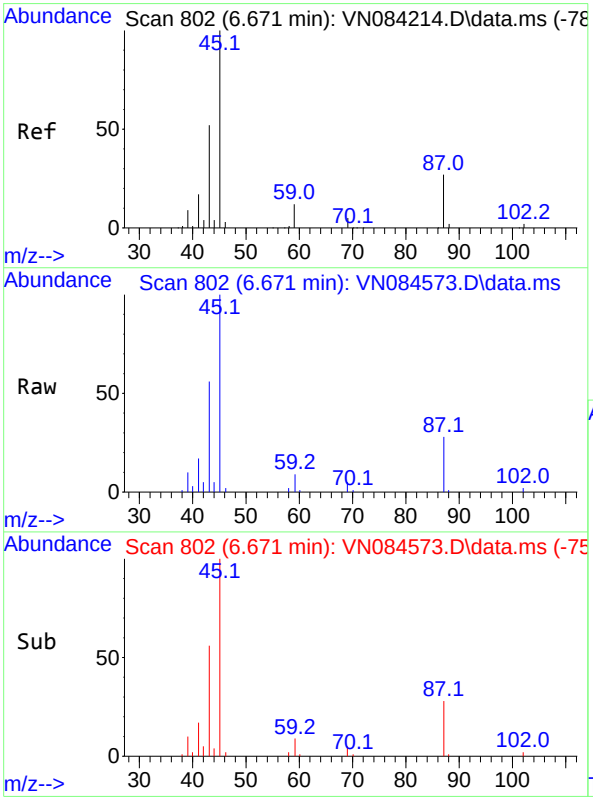
#21
trans-1,2-Dichloroethene
Concen: 10.261 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

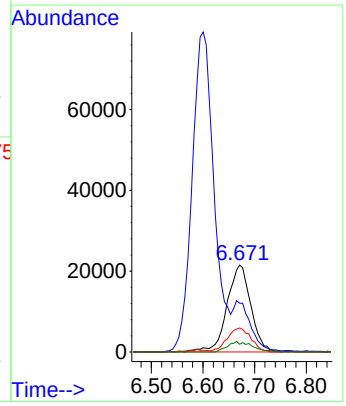


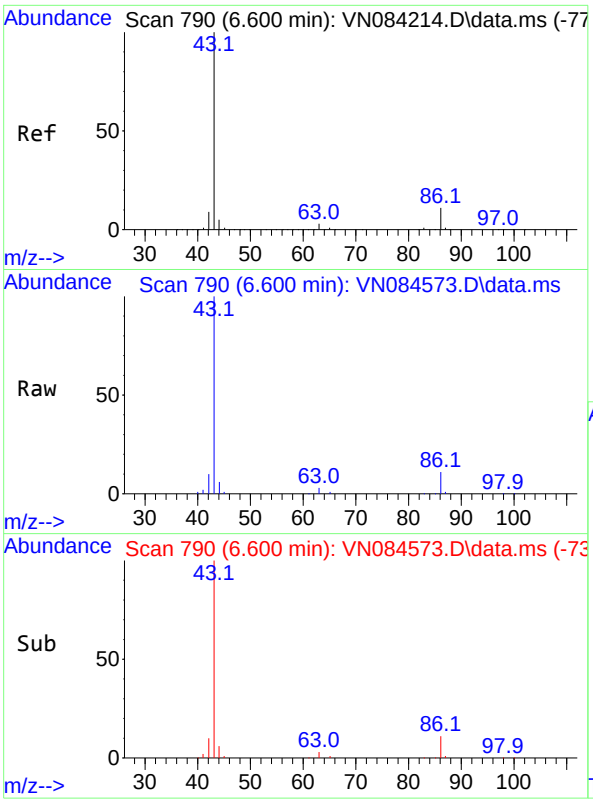


#22
Diisopropyl ether
Concen: 10.404 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#



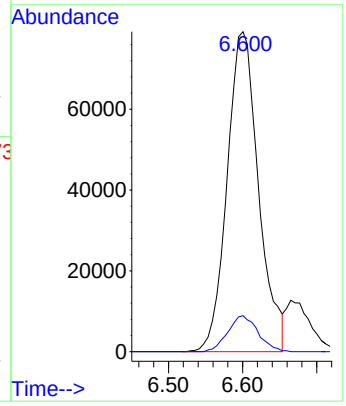


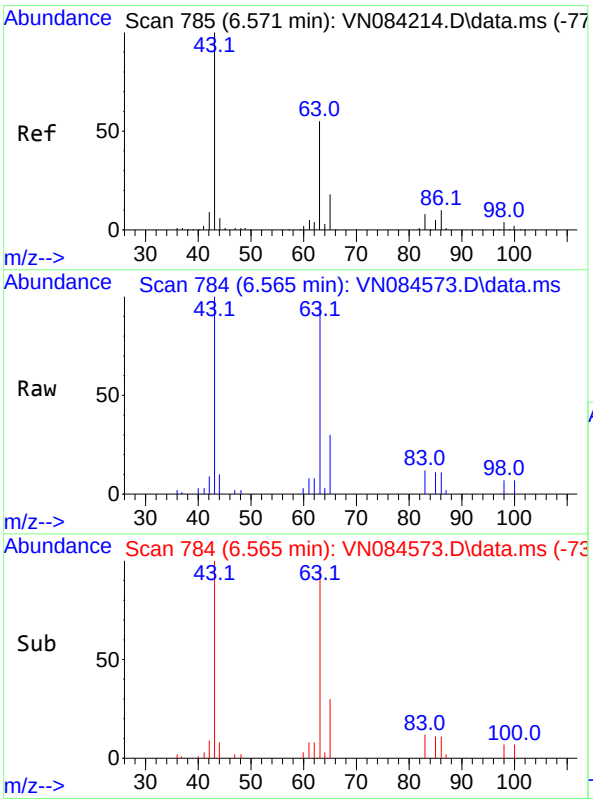
#23
Vinyl Acetate
Concen: 51.279 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 233407

Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.6	12.8

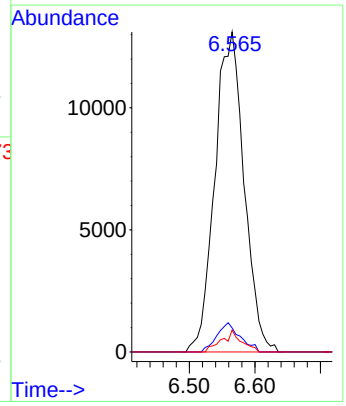


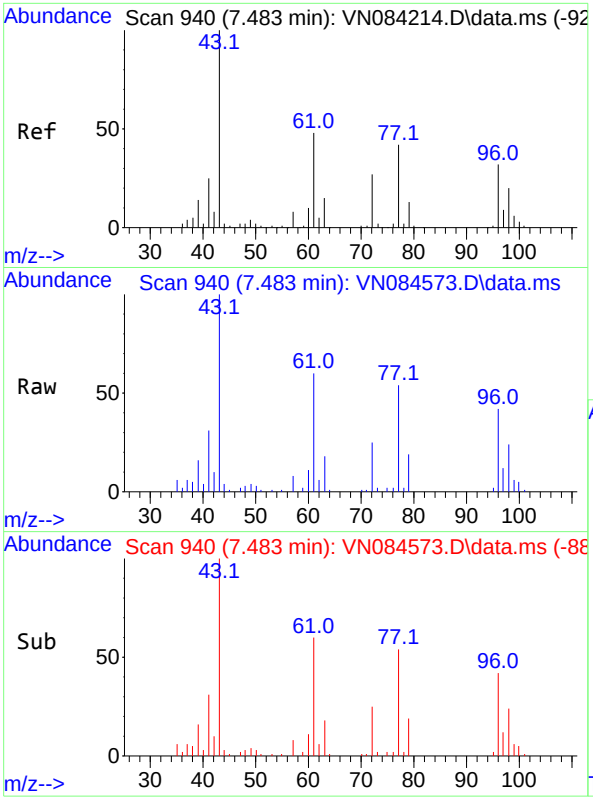


#24
1,1-Dichloroethane
Concen: 10.234 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#



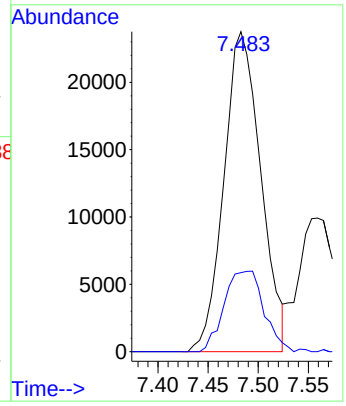


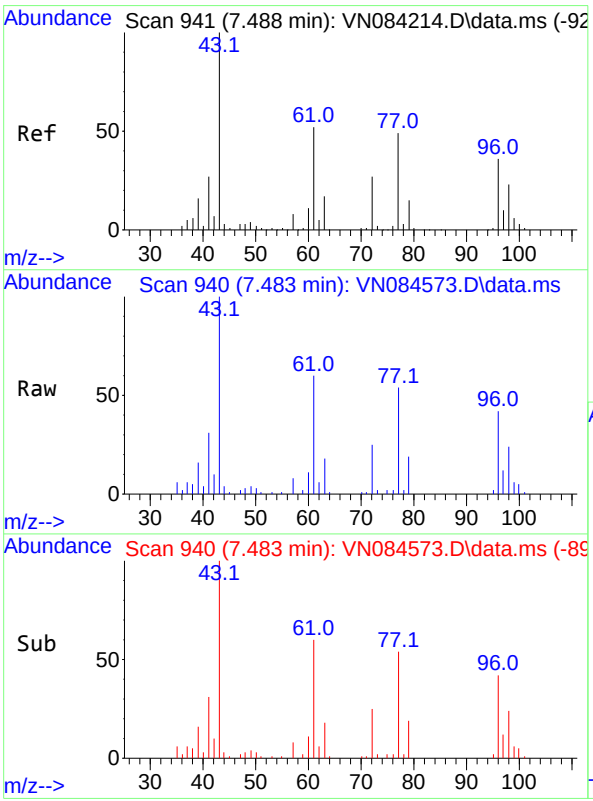
#25
2-Butanone
Concen: 50.229 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 60876

Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.4	32.2

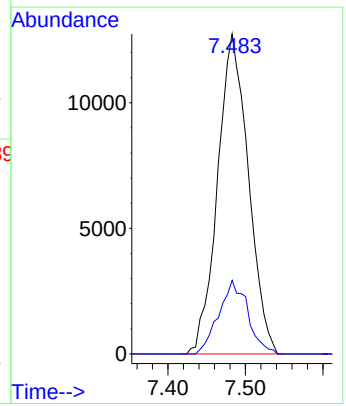


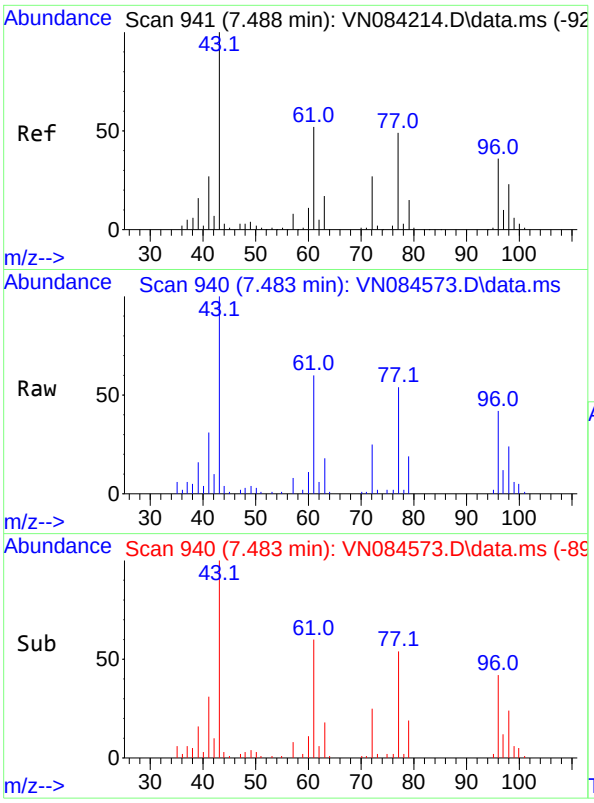


#26
2,2-Dichloropropane
Concen: 10.203 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 77 Resp: 35189

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



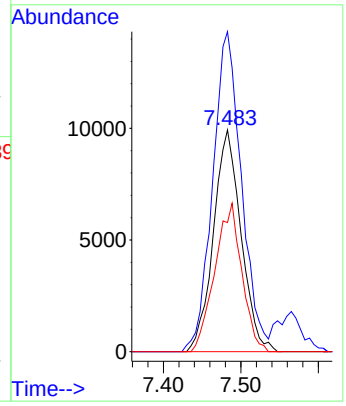


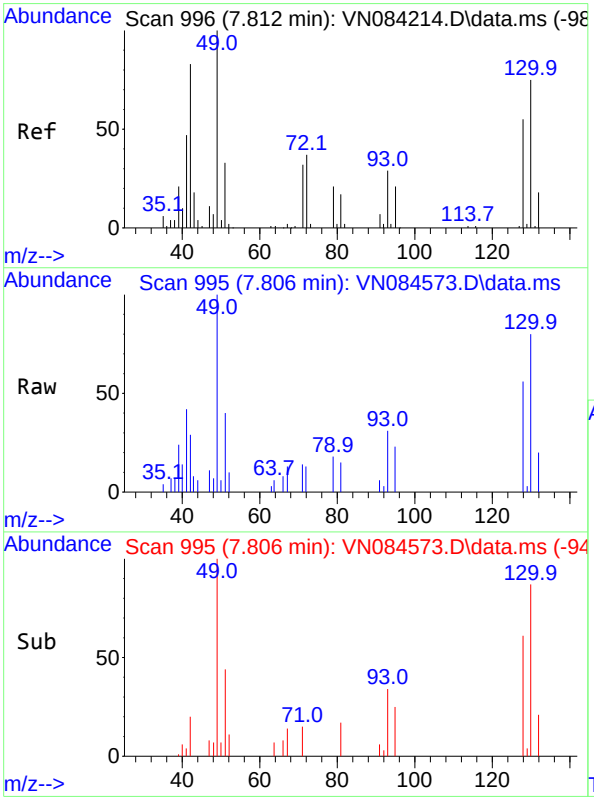
#27
cis-1,2-Dichloroethene
Concen: 10.028 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

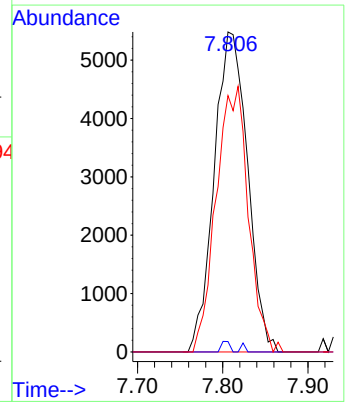


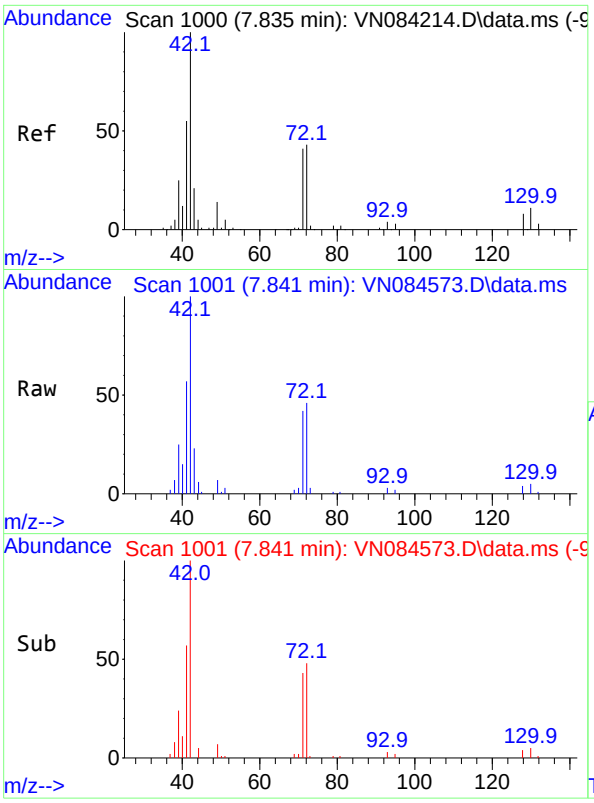


#28
Bromochloromethane
Concen: 9.449 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#



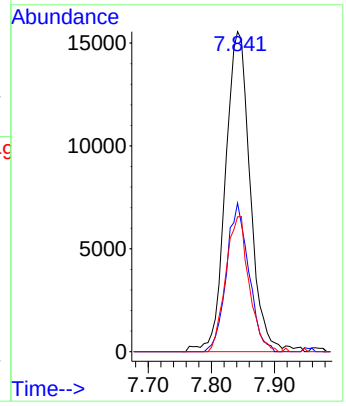


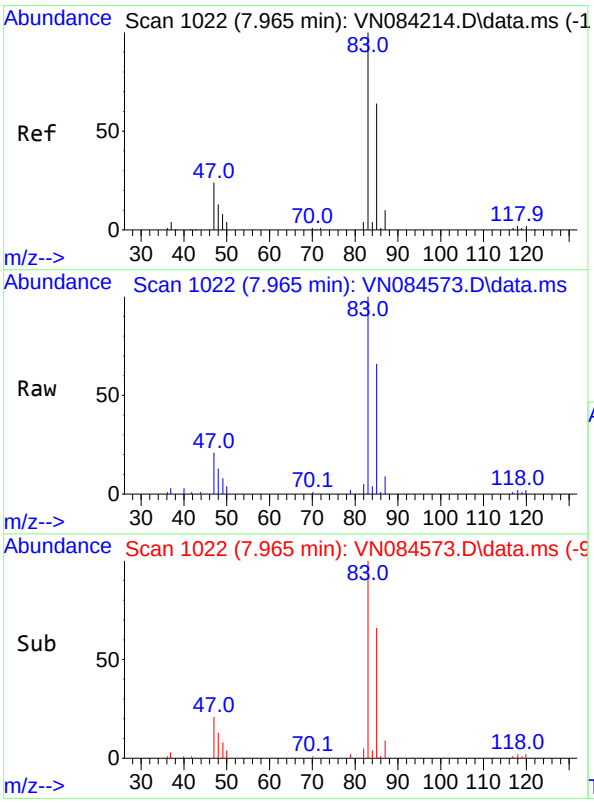
#29
Tetrahydrofuran
Concen: 52.326 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

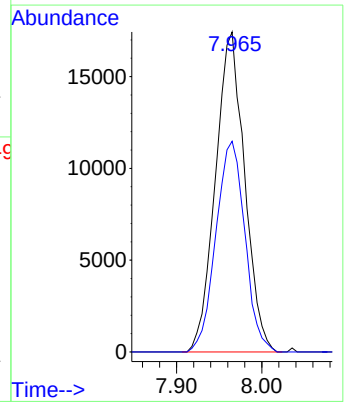


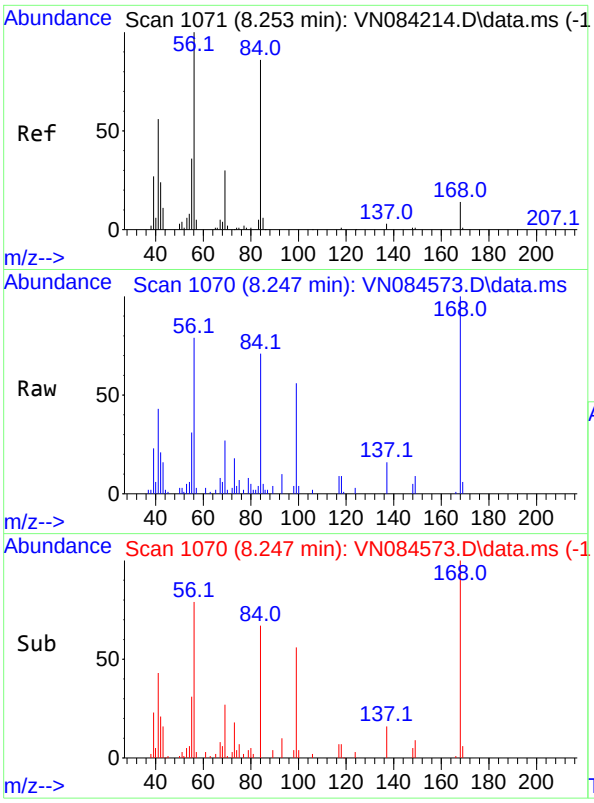


#30
Chloroform
Concen: 10.288 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 83 Resp: 41496

Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.0	76.4



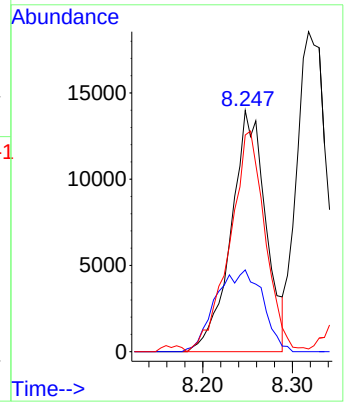


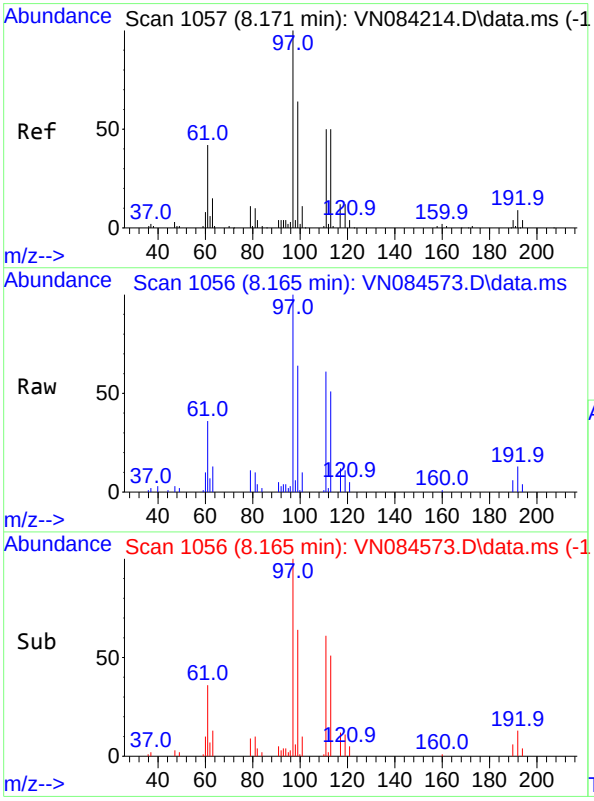
#31
Cyclohexane
Concen: 10.460 ug/l
RT: 8.247 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

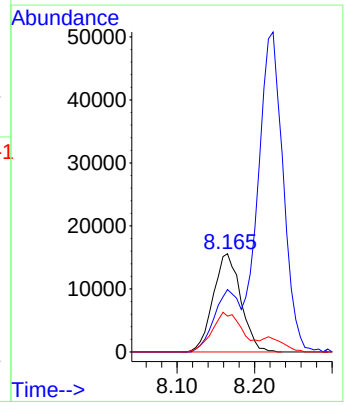


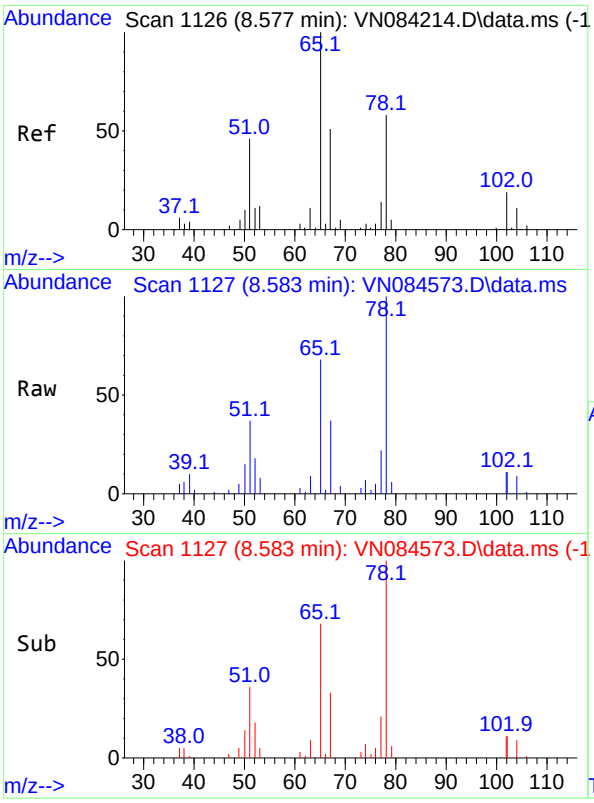


#32
1,1,1-Trichloroethane
Concen: 10.518 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



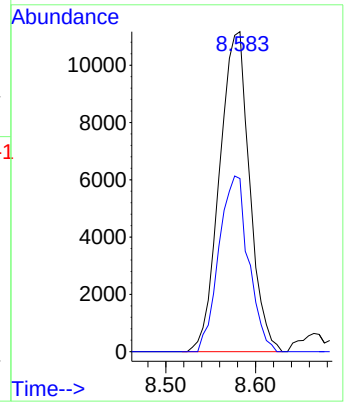


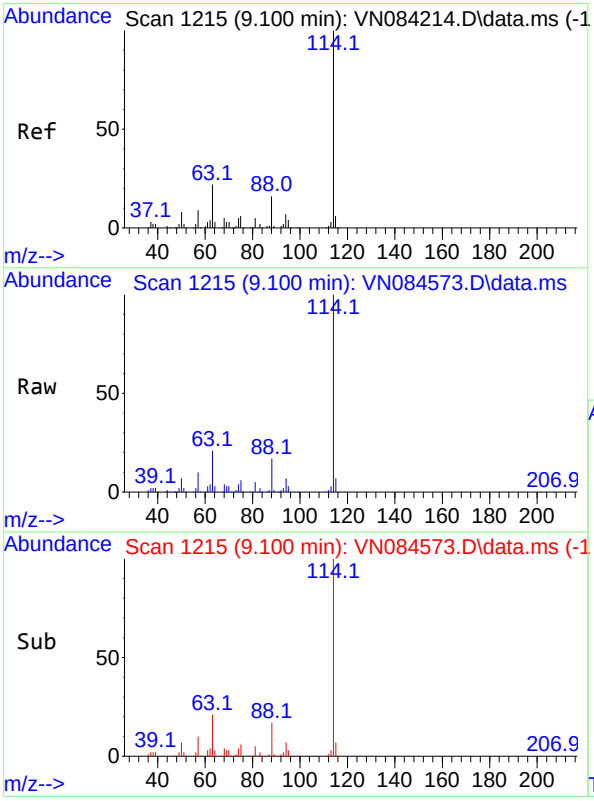
#33
1,2-Dichloroethane-d4
Concen: 10.003 ug/l
RT: 8.583 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 25986

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	102.0

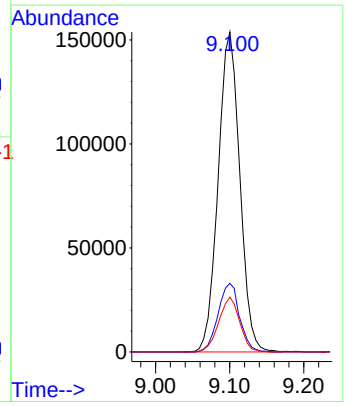


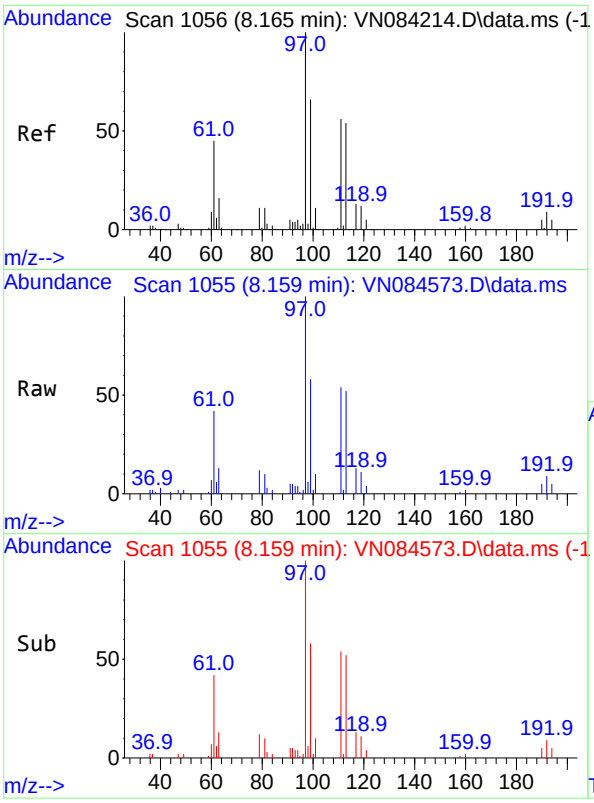


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



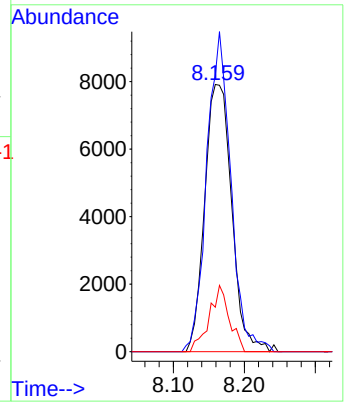


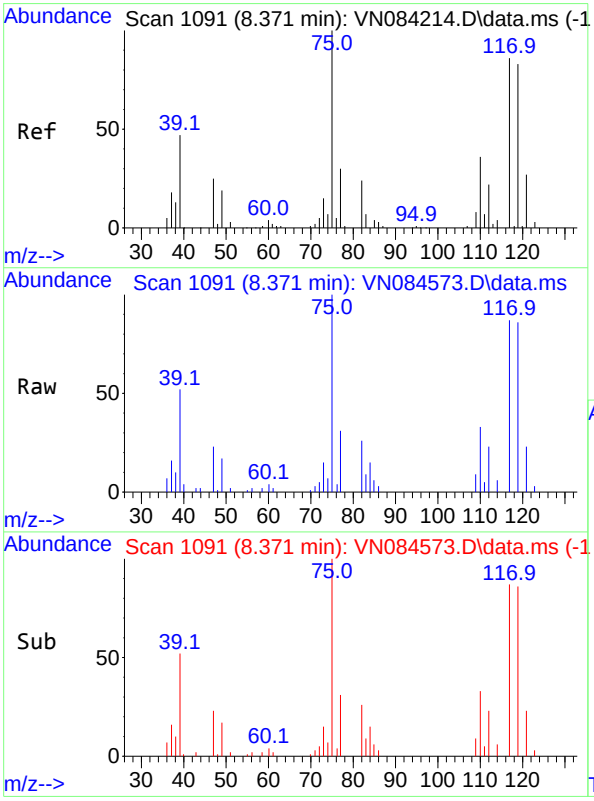
#35
Dibromofluoromethane
Concen: 9.921 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

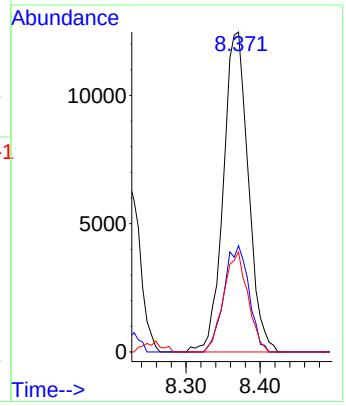


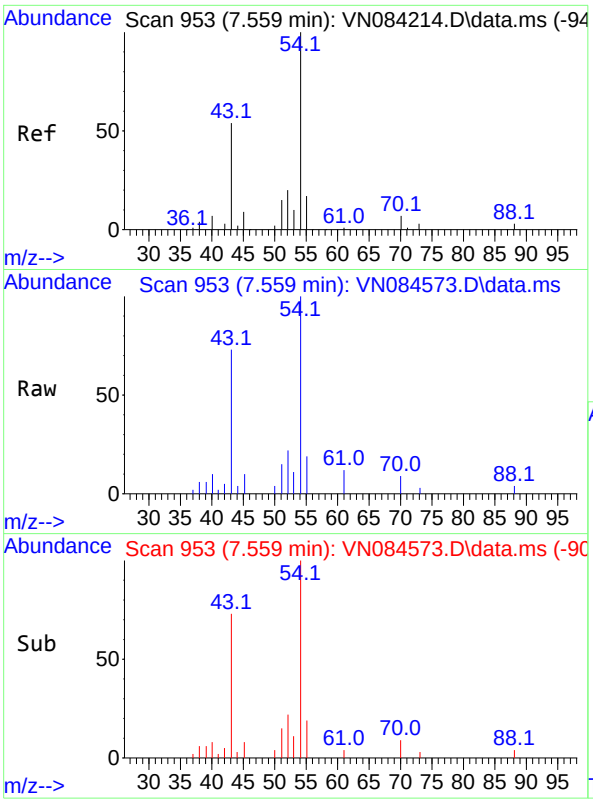


#36
1,1-Dichloropropene
Concen: 9.968 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



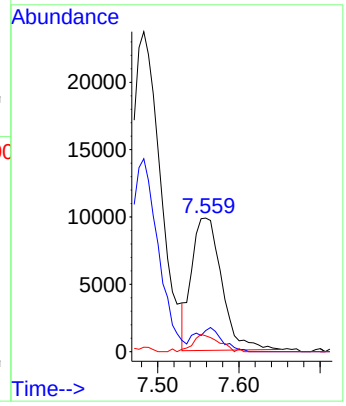


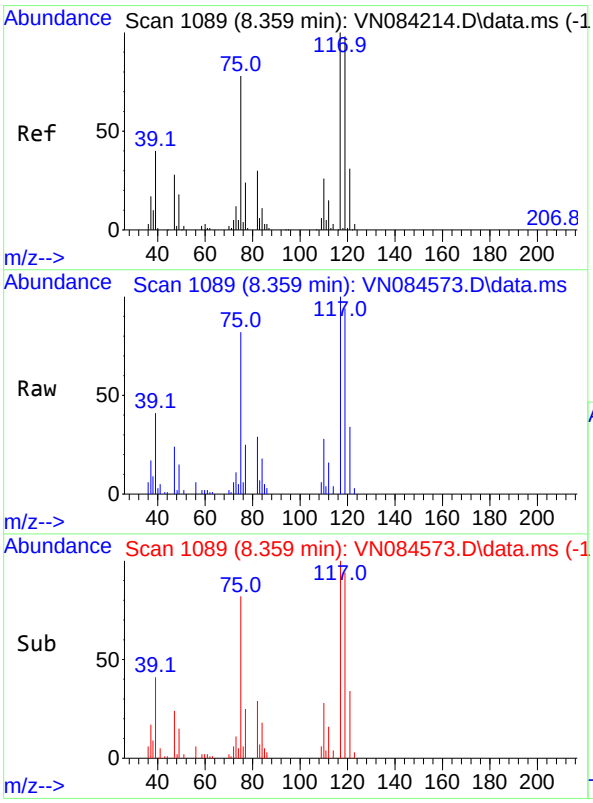
#37
Ethyl Acetate
Concen: 9.494 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

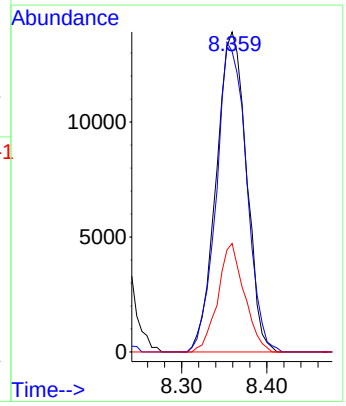


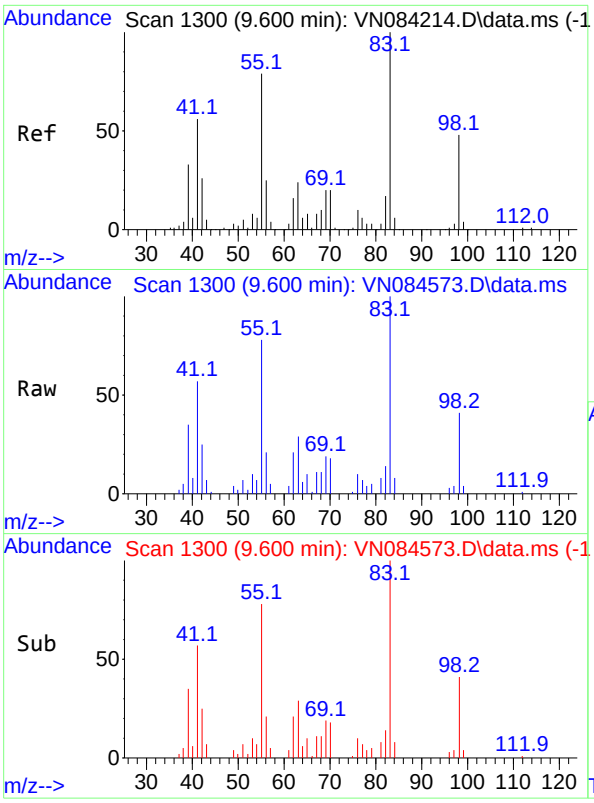


#38
Carbon Tetrachloride
Concen: 10.443 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



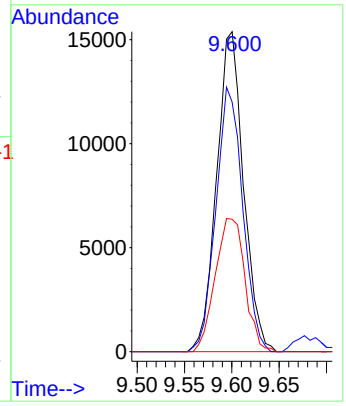


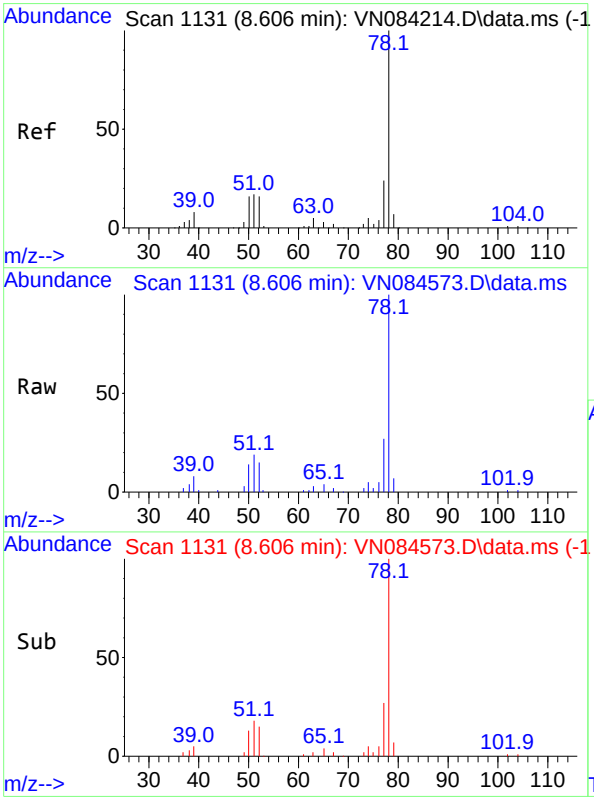
#39
Methylcyclohexane
Concen: 10.191 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

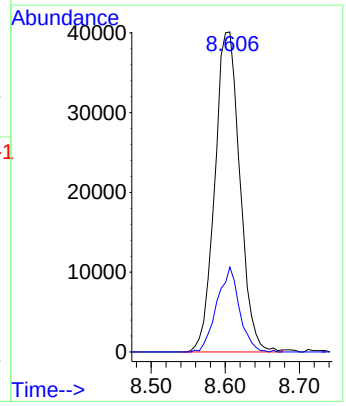


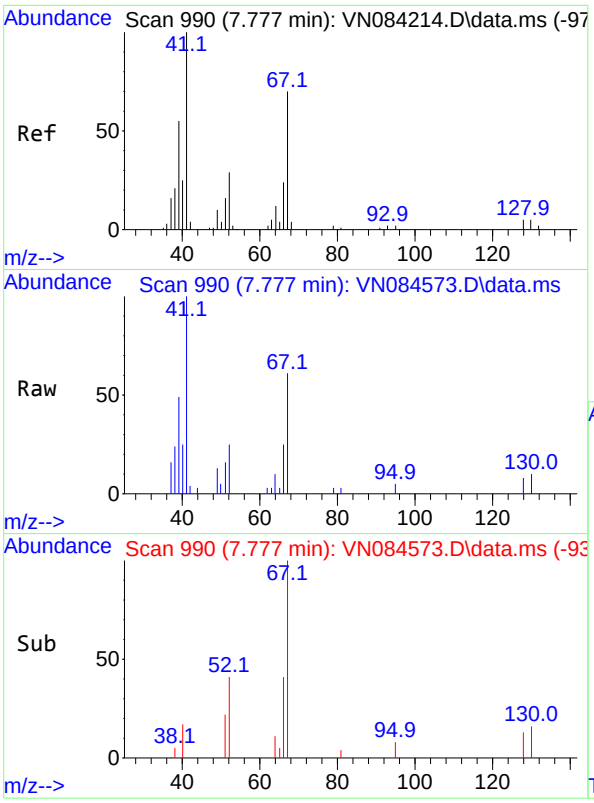


#40
Benzene
Concen: 9.999 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 78 Resp: 94121

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7



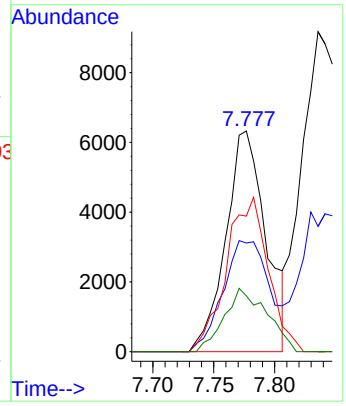


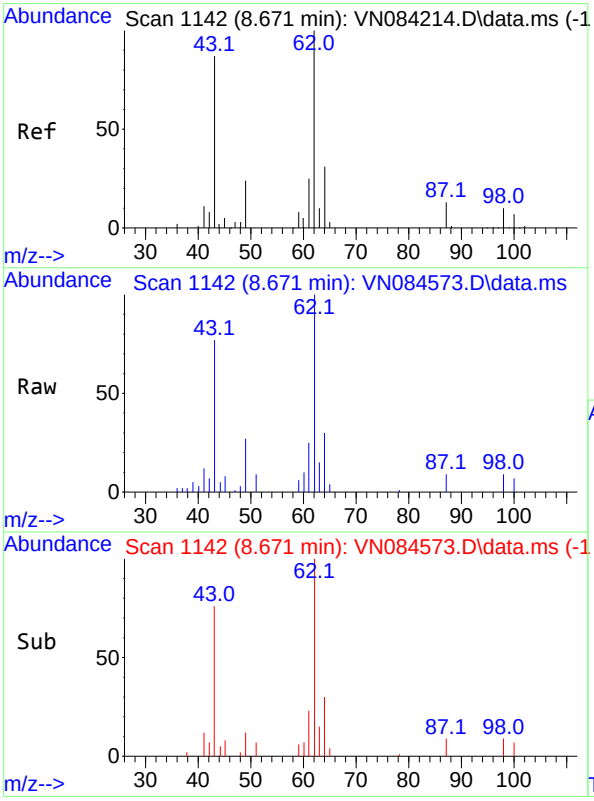
#41
Methacrylonitrile
Concen: 10.128 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

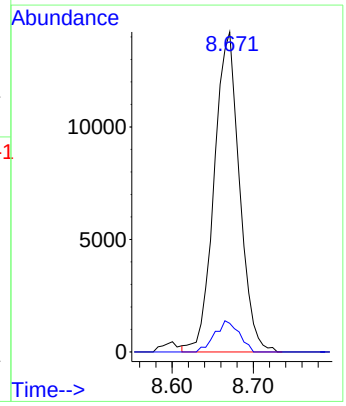


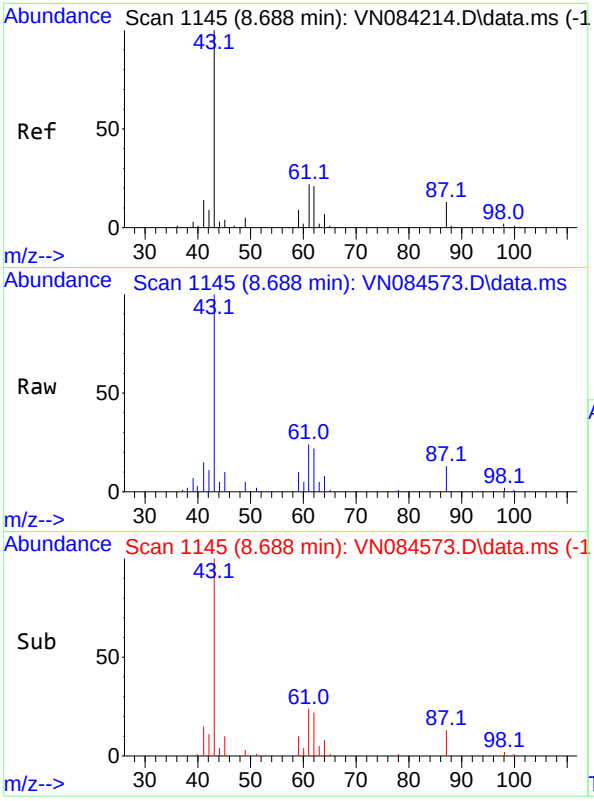


#42
1,2-Dichloroethane
Concen: 10.087 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 62 Resp: 30752

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



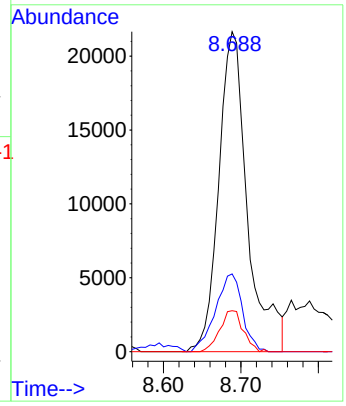


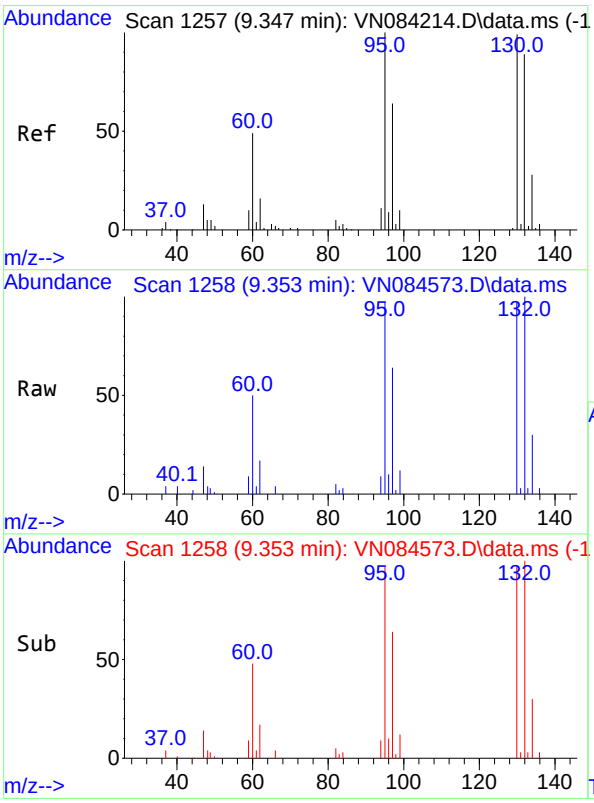
#43
Isopropyl Acetate
Concen: 10.611 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

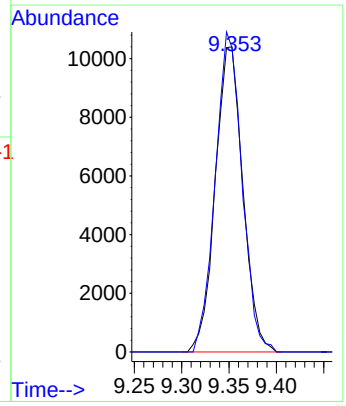


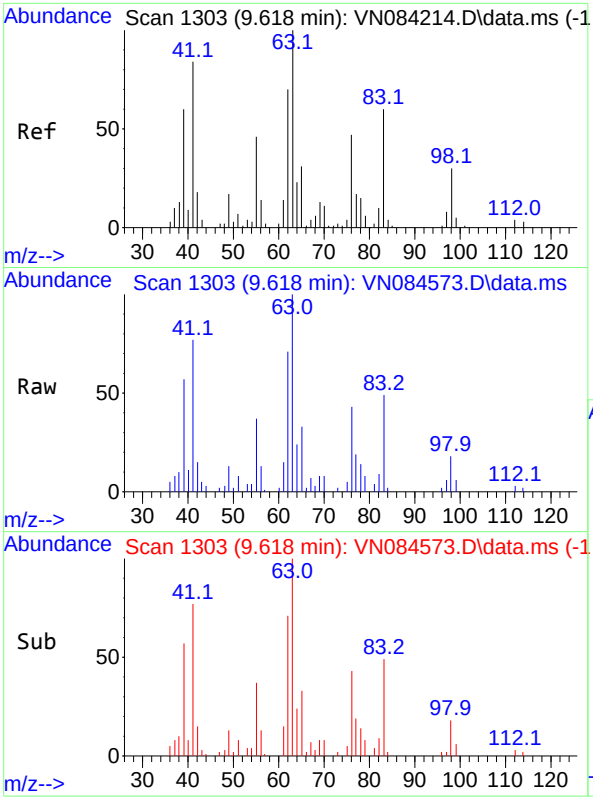


#44
Trichloroethene
Concen: 9.719 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:130 Resp: 21099

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	203.0



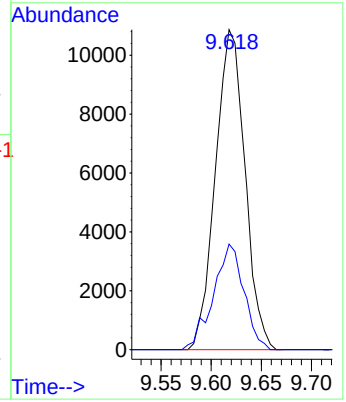


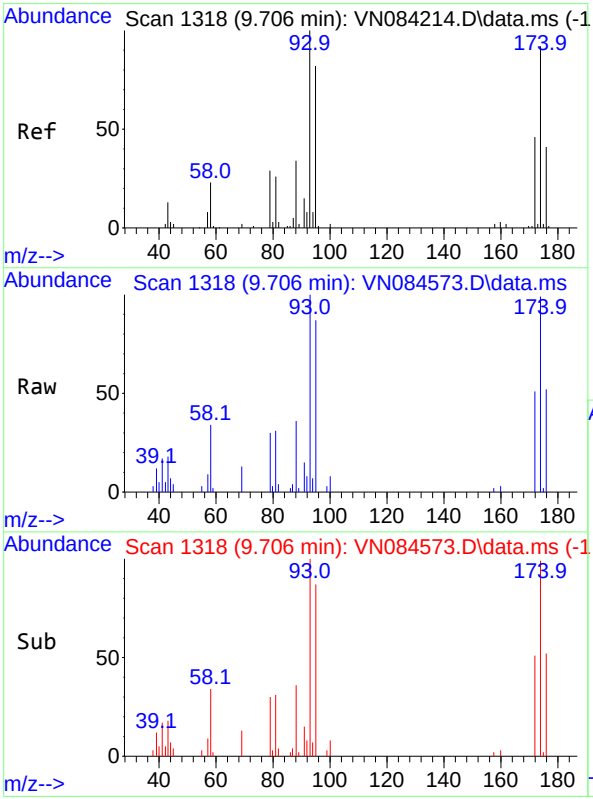
#45
1,2-Dichloropropane
Concen: 10.105 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 22314

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

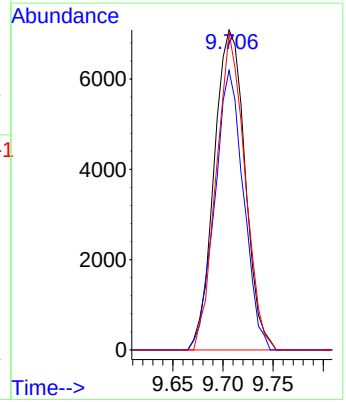


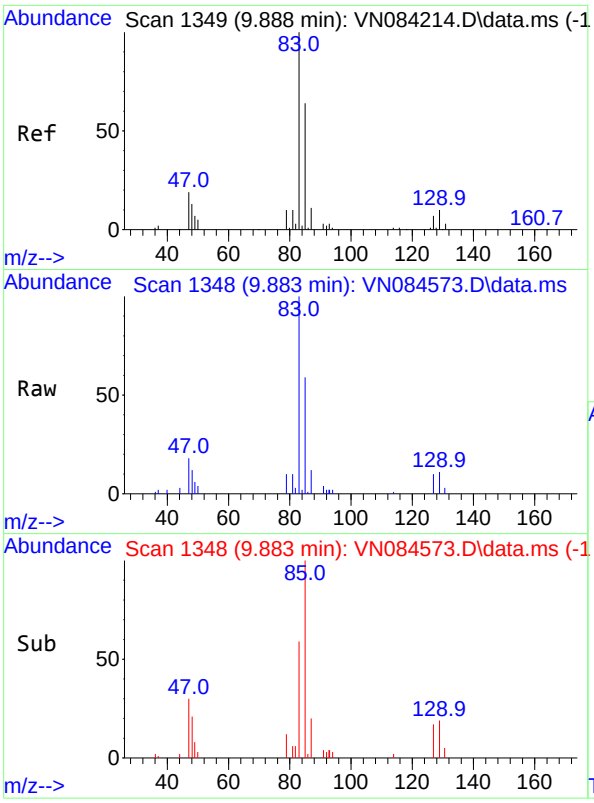


#46
Dibromomethane
Concen: 9.762 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



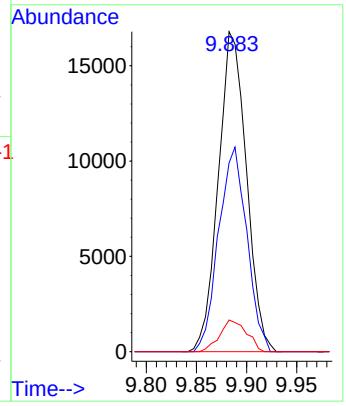


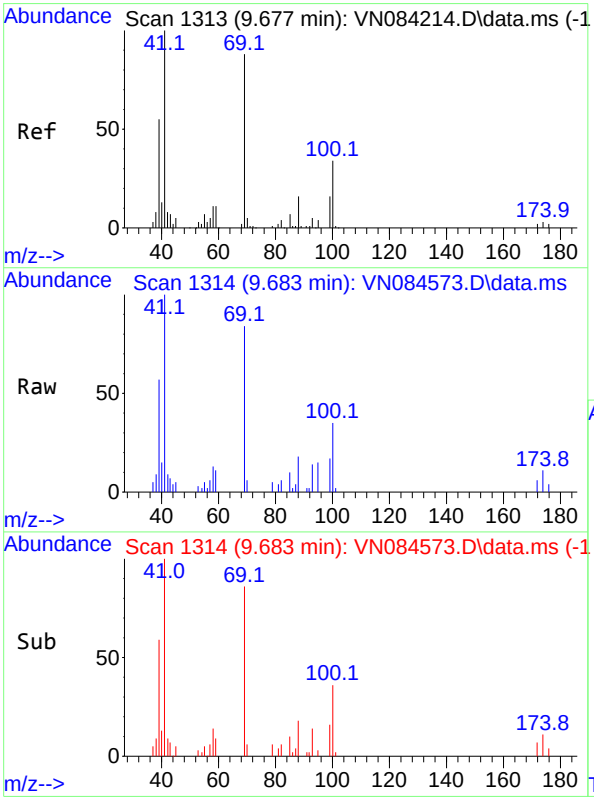
#47
Bromodichloromethane
Concen: 9.929 ug/l
RT: 9.883 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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#

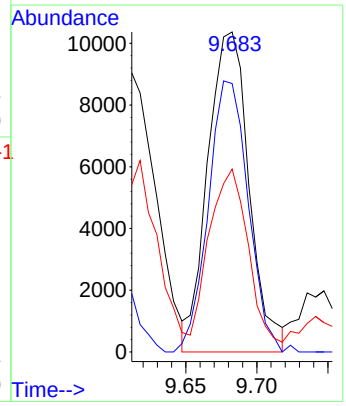


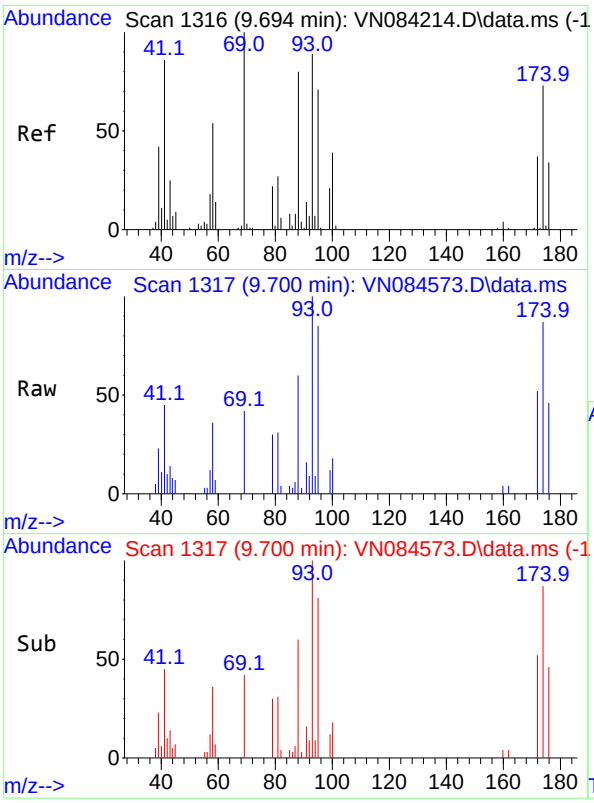


#48
Methyl methacrylate
Concen: 10.127 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



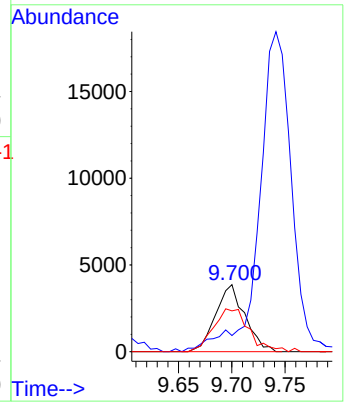


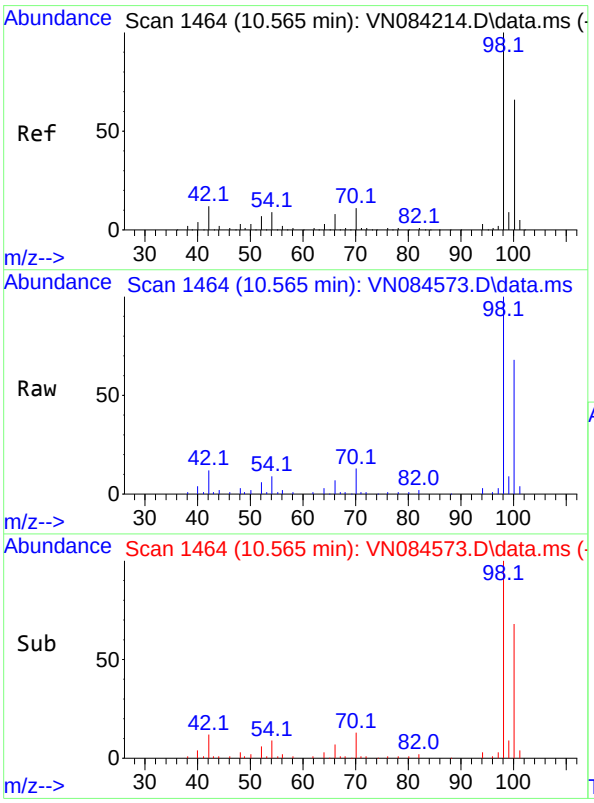
#49
1,4-Dioxane
Concen: 201.076 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

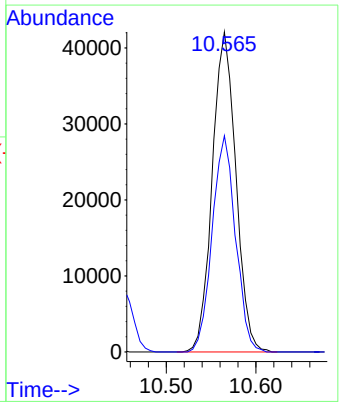


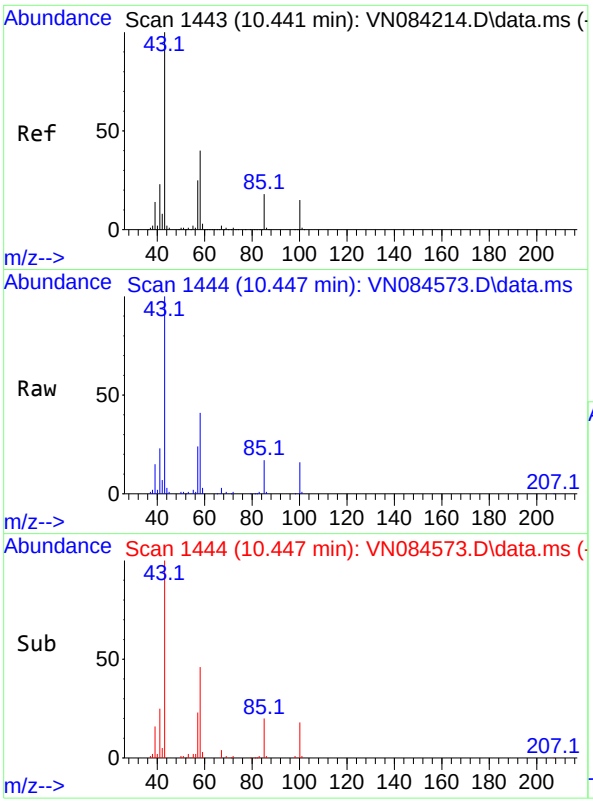


#50
Toluene-d8
Concen: 9.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 98 Resp: 76892

Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.7	79.1



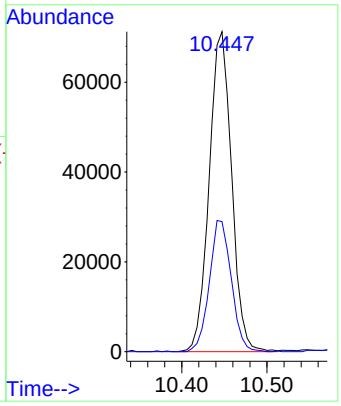


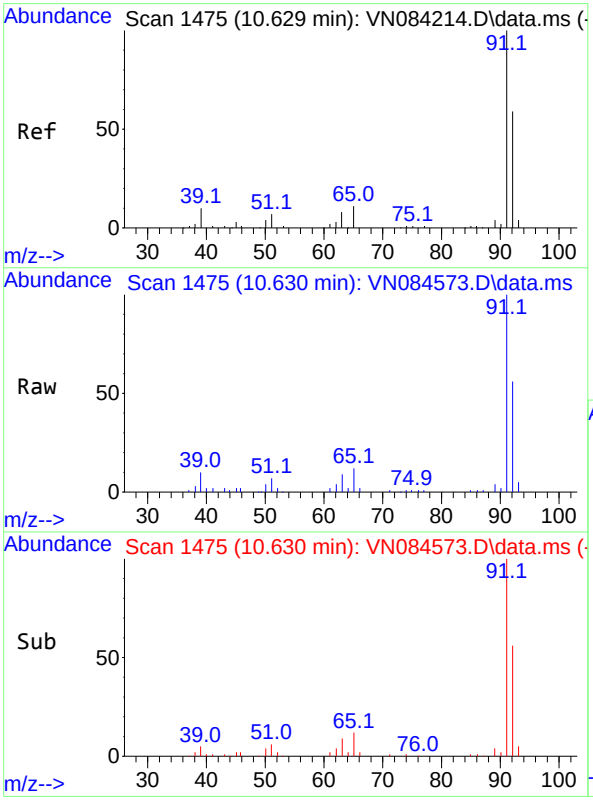
#51
4-Methyl-2-Pentanone
Concen: 51.405 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 130324

Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.6	47.4

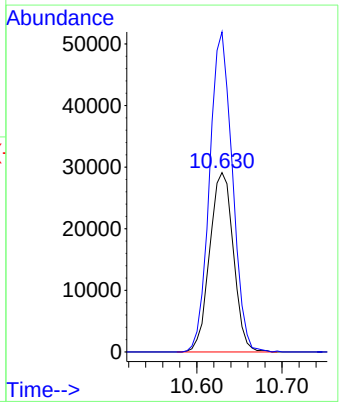


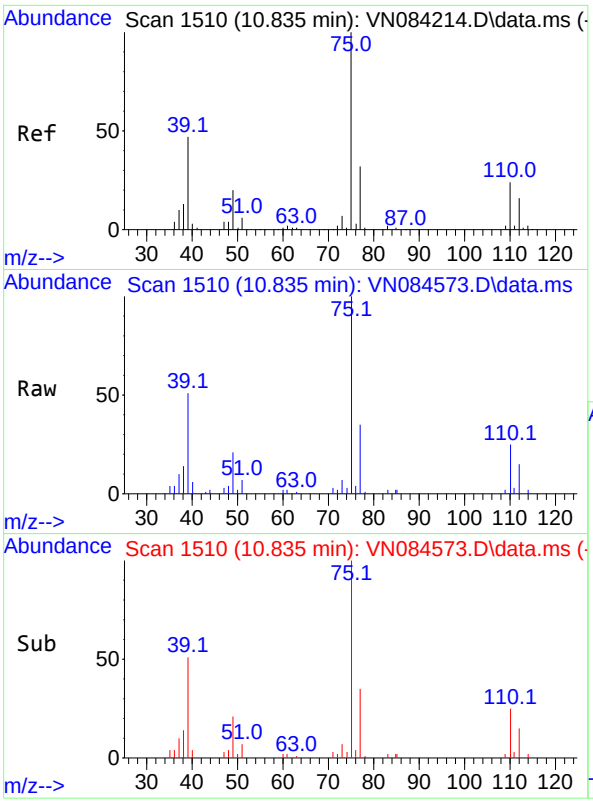


#52
Toluene
Concen: 10.230 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 92 Resp: 56321

Ion	Ratio	Lower	Upper
92	100		
91	172.0	137.3	205.9



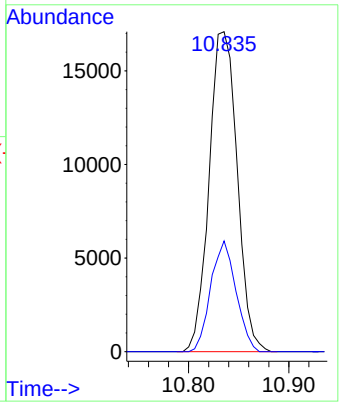


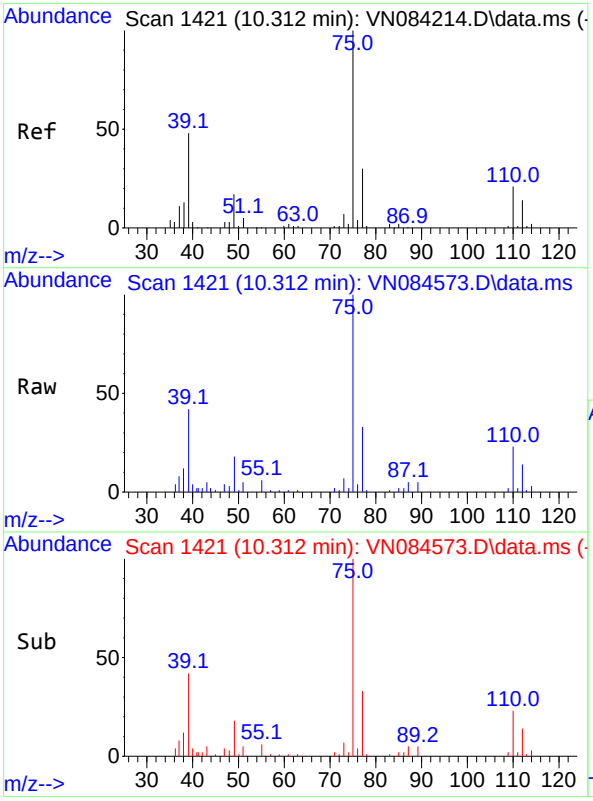
#53
t-1,3-Dichloropropene
Concen: 9.771 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 33220

Ion	Ratio	Lower	Upper
75	100		
77	34.6	25.4	38.0

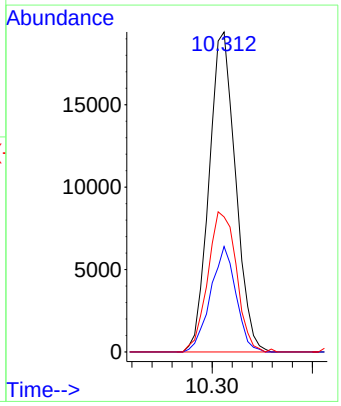


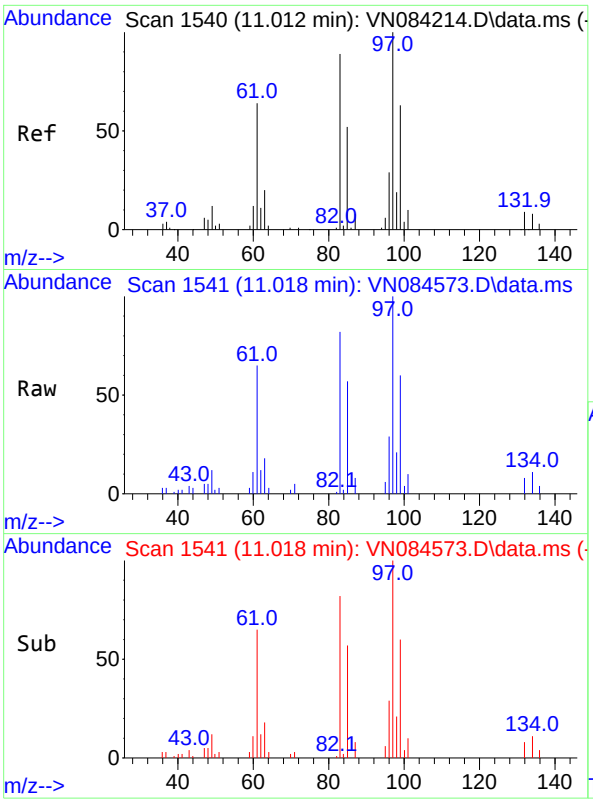


#54
cis-1,3-Dichloropropene
Concen: 9.883 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



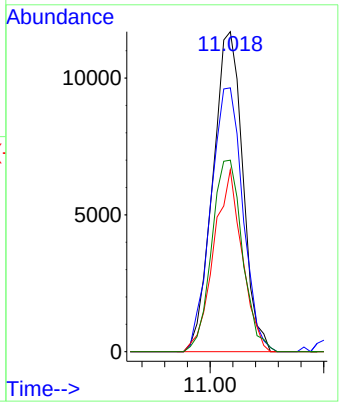


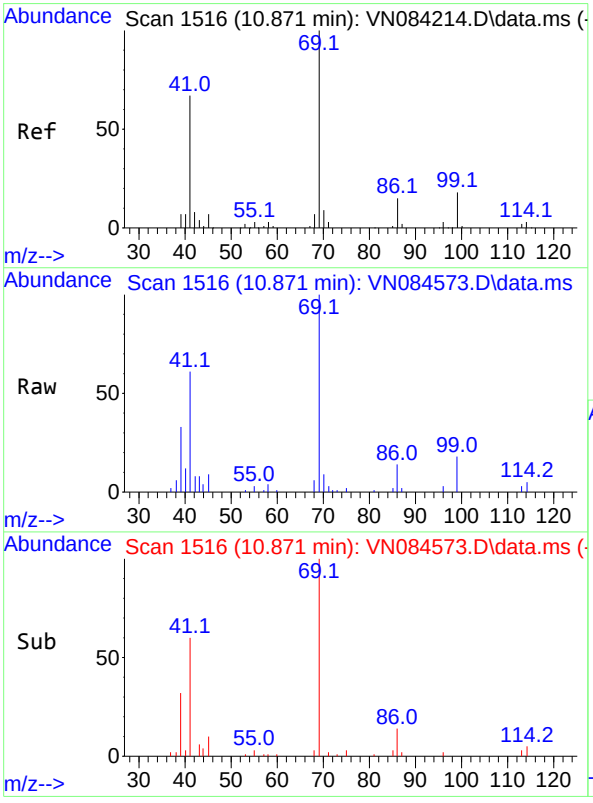
#55
1,1,2-Trichloroethane
Concen: 10.303 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

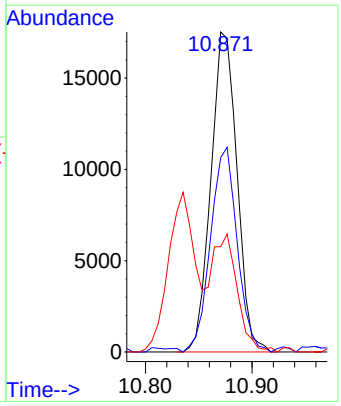


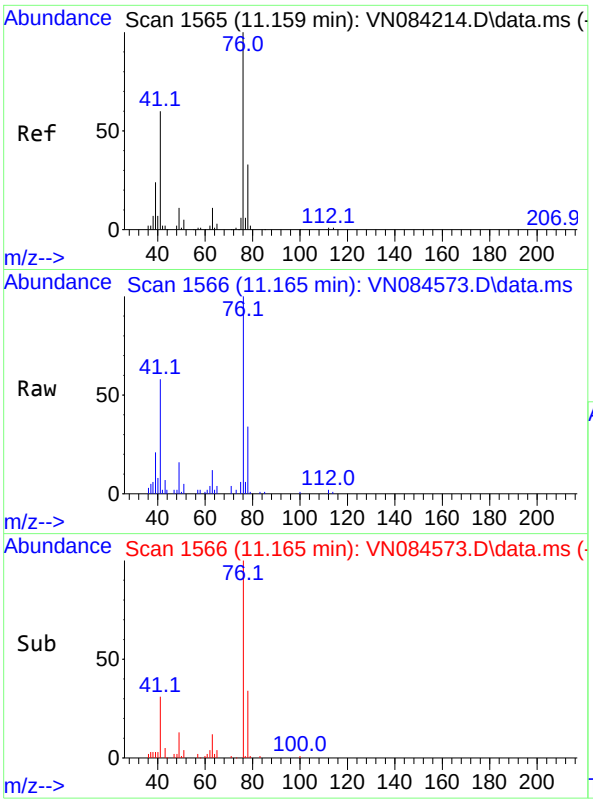


#56
Ethyl methacrylate
Concen: 9.936 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



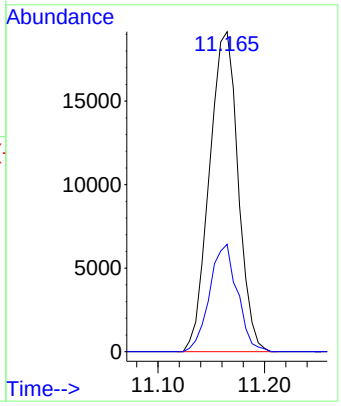


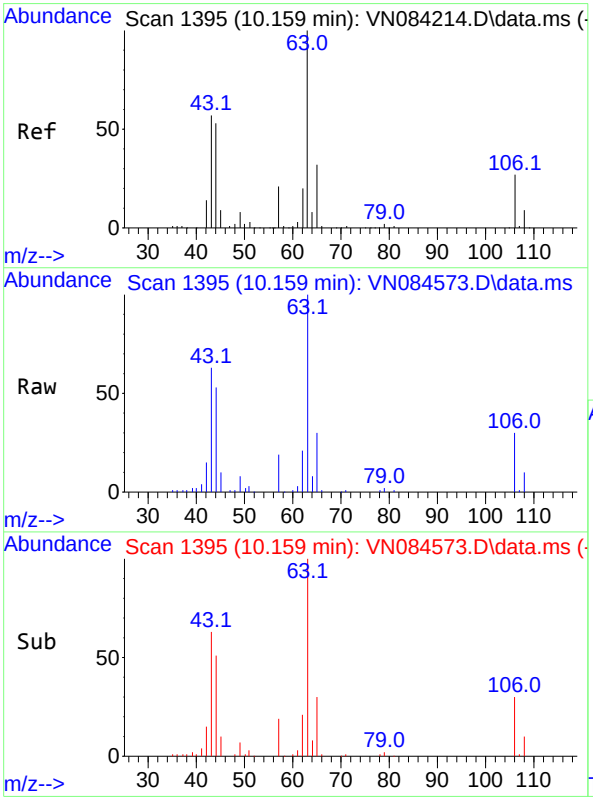
#57
1,3-Dichloropropane
Concen: 10.056 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 35790

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

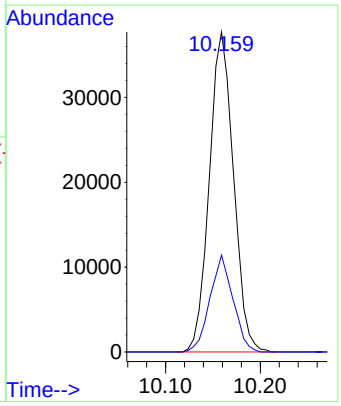


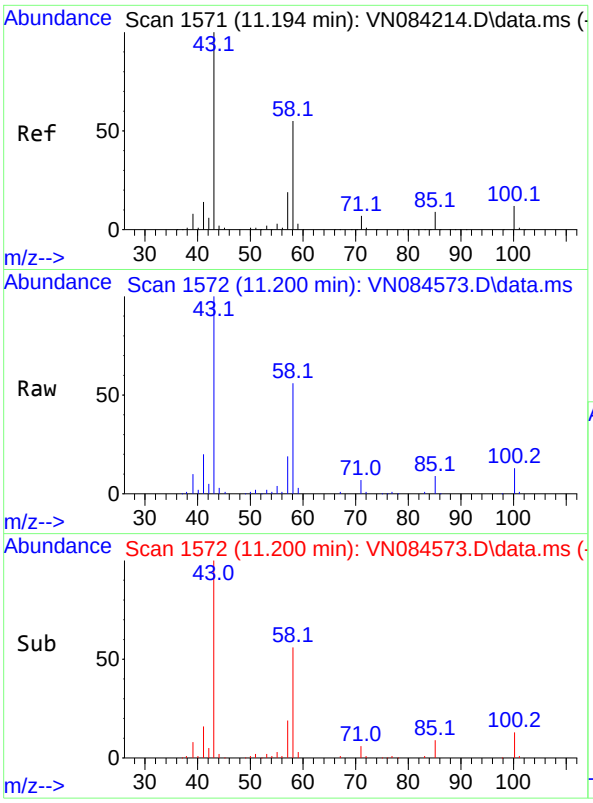


#58
2-Chloroethyl Vinyl ether
Concen: 47.583 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 63 Resp: 66790

Ion	Ratio	Lower	Upper
63	100		
106	28.9	21.8	32.6



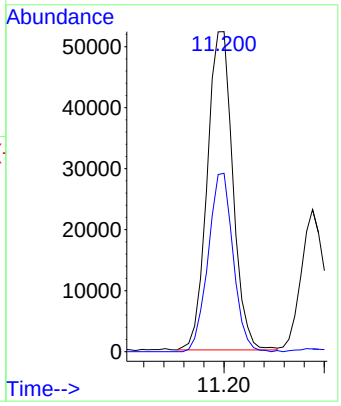


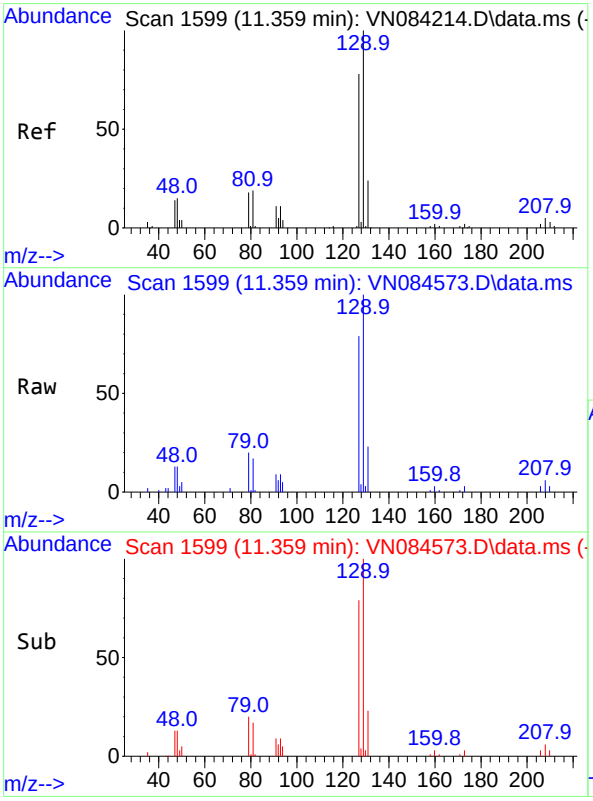
#59
2-Hexanone
Concen: 50.273 ug/l
RT: 11.200 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 92772

Ion	Ratio	Lower	Upper
43	100		
58	54.5	27.3	81.8

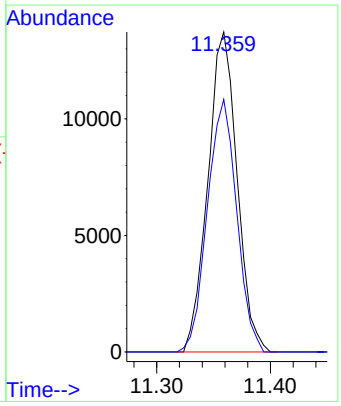


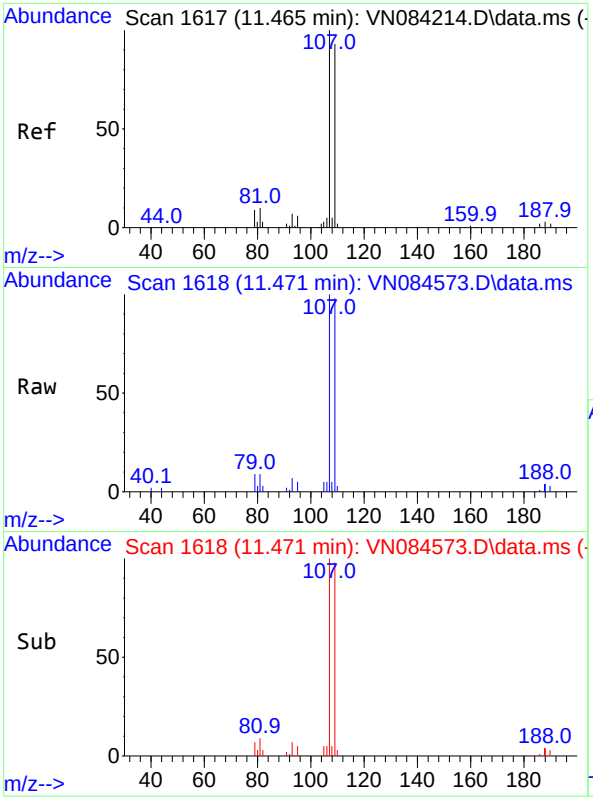


#60
Dibromochloromethane
Concen: 10.383 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:129 Resp: 24541

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.9



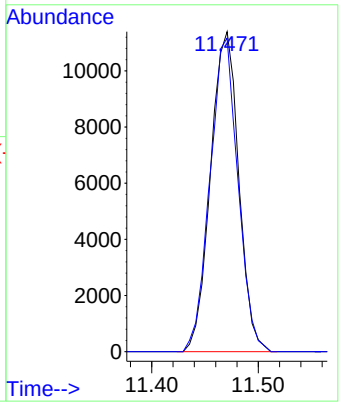


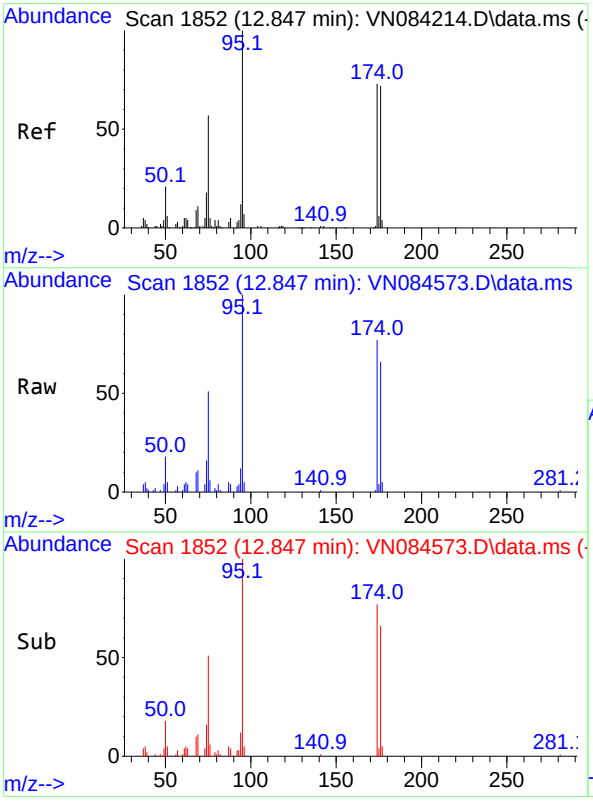
#61
1,2-Dibromoethane
Concen: 9.839 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 20895

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.4	113.0

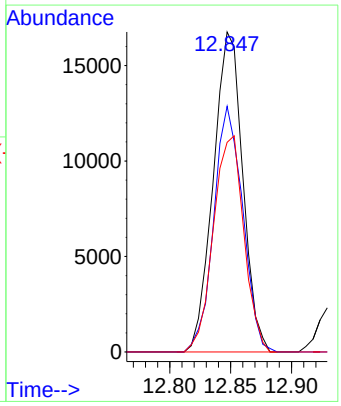


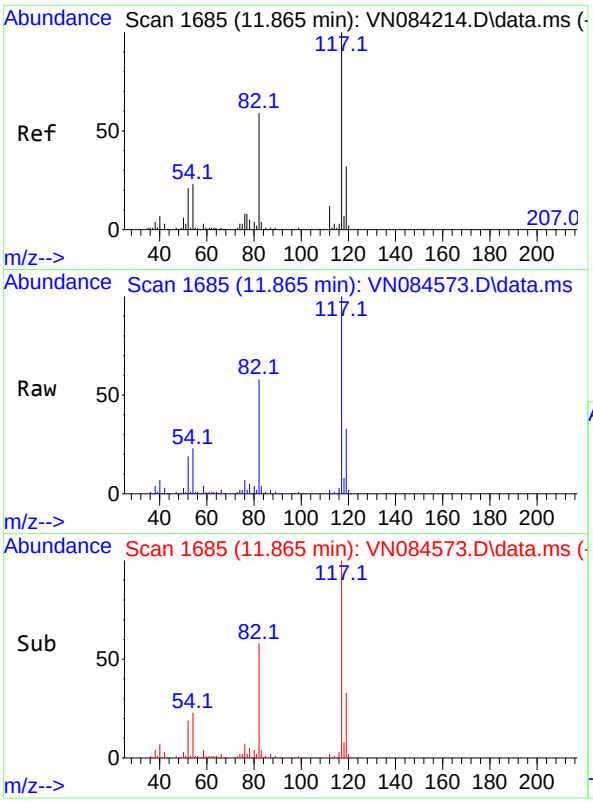


#62
4-Bromofluorobenzene
Concen: 9.689 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



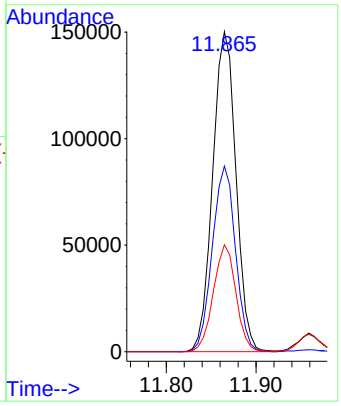


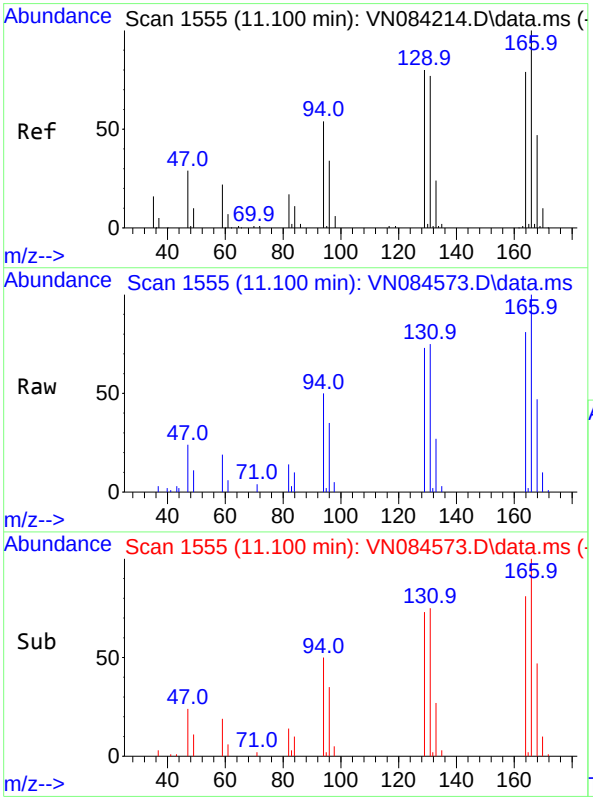
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

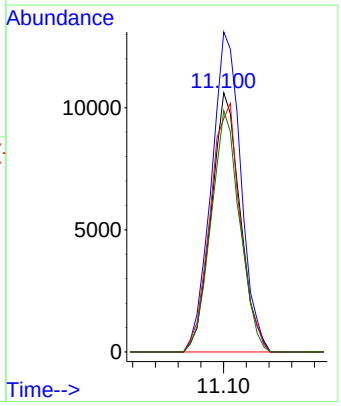


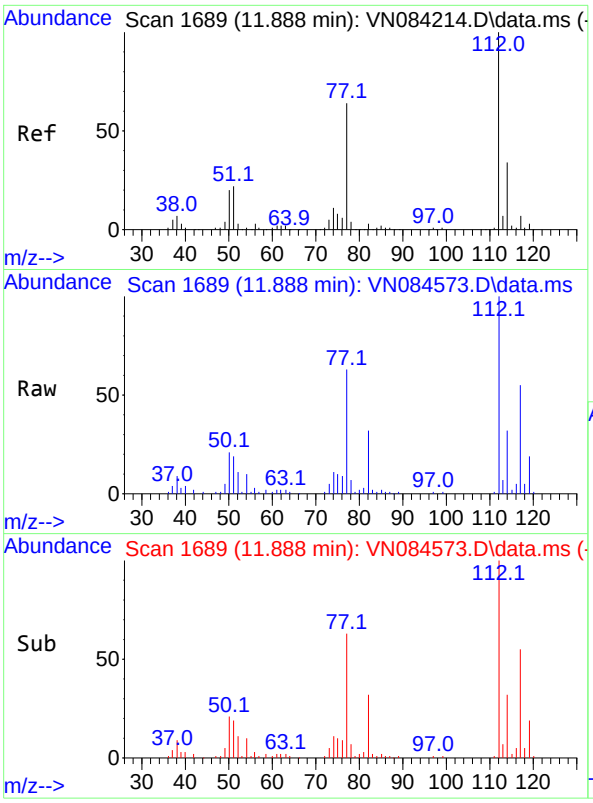


#64
Tetrachloroethene
Concen: 10.439 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



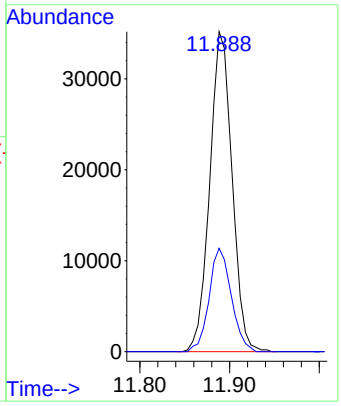


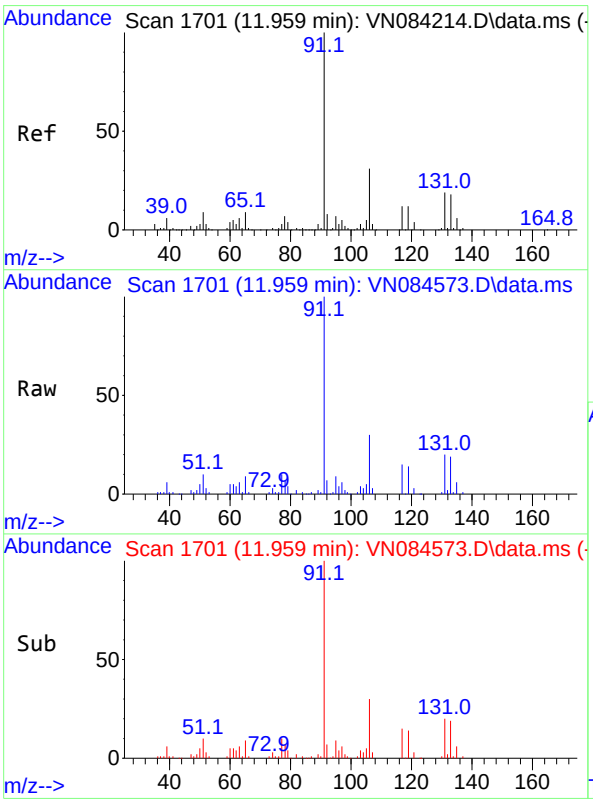
#65
Chlorobenzene
Concen: 10.041 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 60746

Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.0	40.6

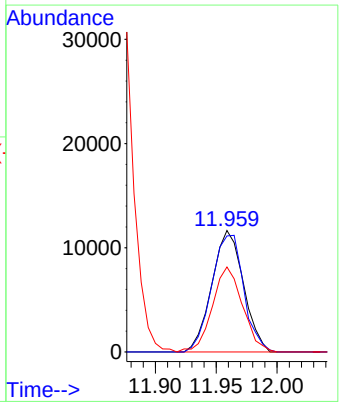


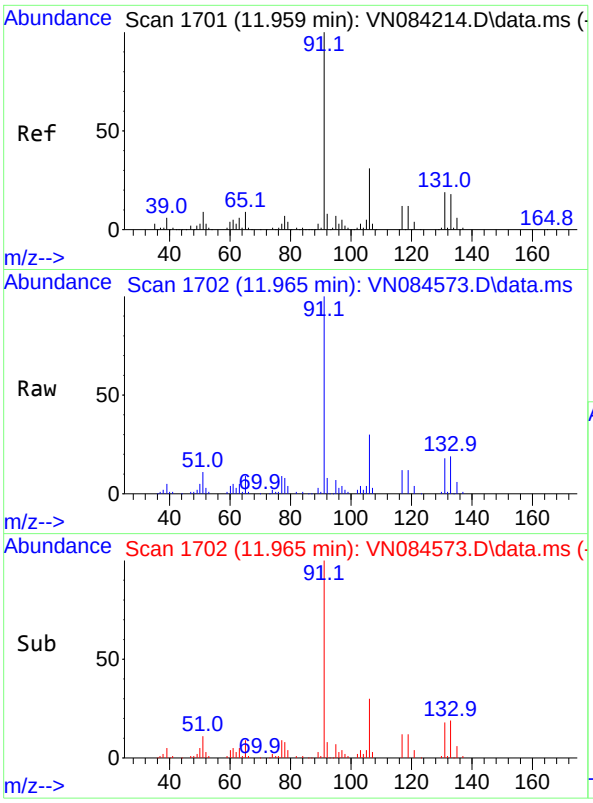


#66
1,1,1,2-Tetrachloroethane
Concen: 10.018 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



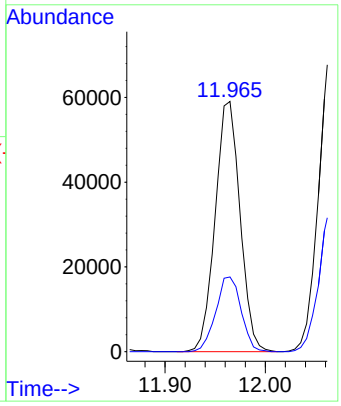


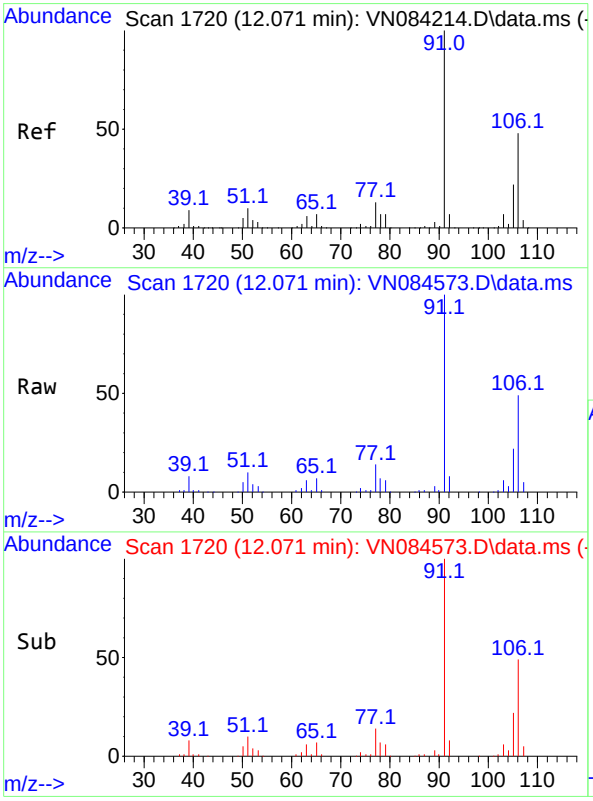
#67
Ethyl Benzene
Concen: 10.067 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 101653

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.5	36.7

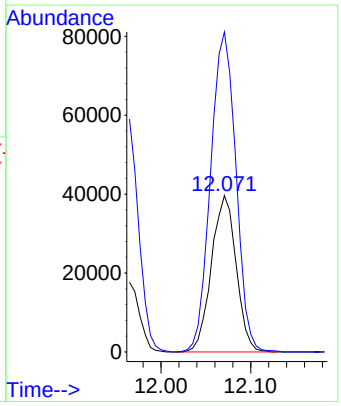


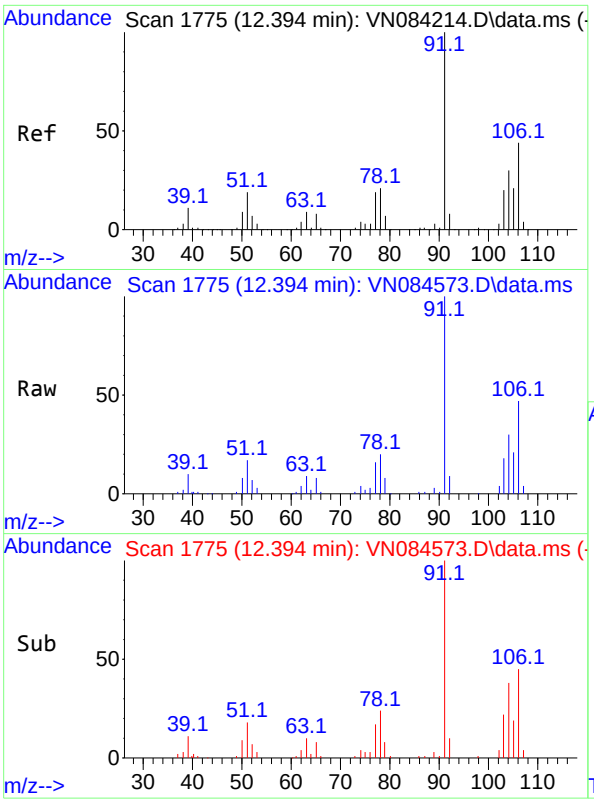


#68
m/p-Xylenes
Concen: 19.842 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:106 Resp: 75857

Ion	Ratio	Lower	Upper
106	100		
91	209.6	167.1	250.7



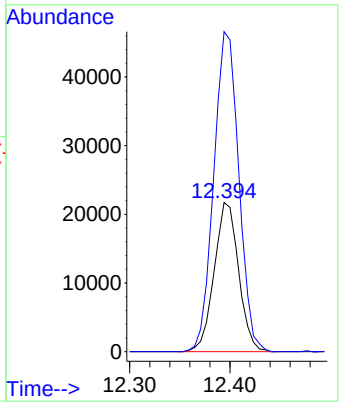


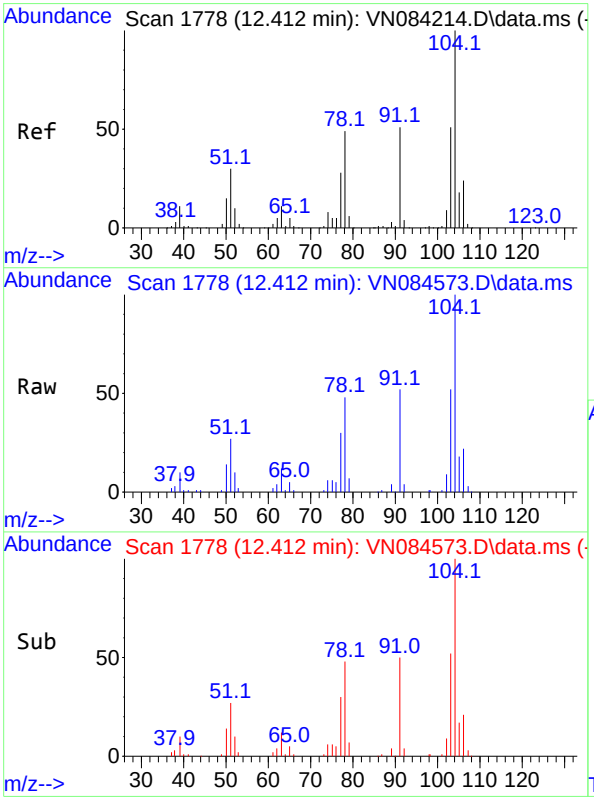
#69
o-Xylene
Concen: 10.261 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 36696

Ion	Ratio	Lower	Upper
106	100		
91	220.1	110.2	330.6

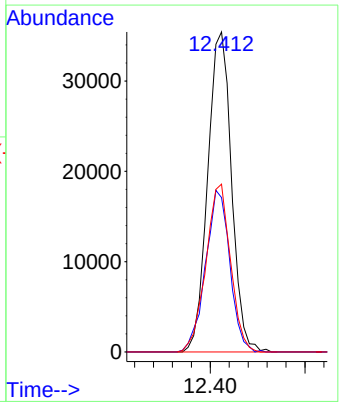


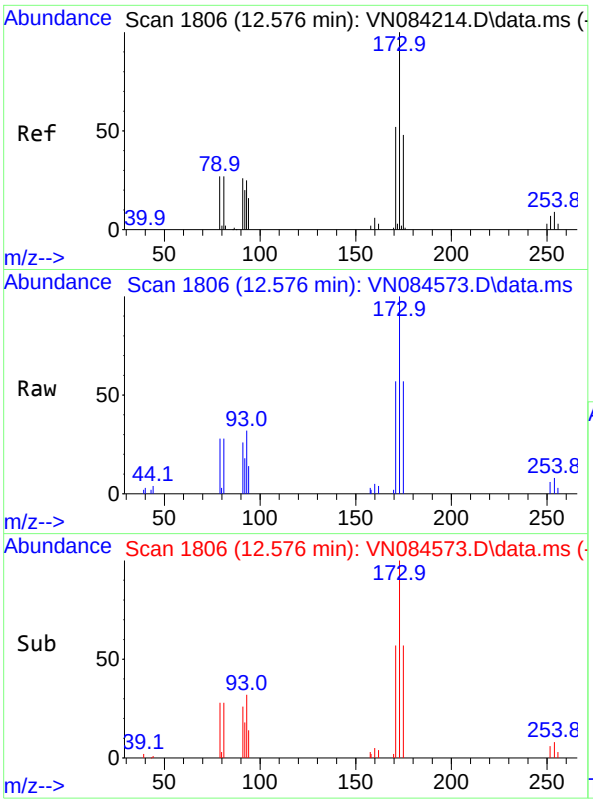


#70
Styrene
Concen: 9.916 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



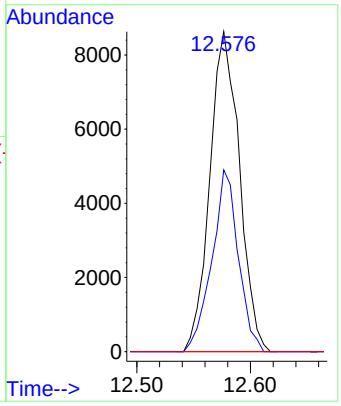


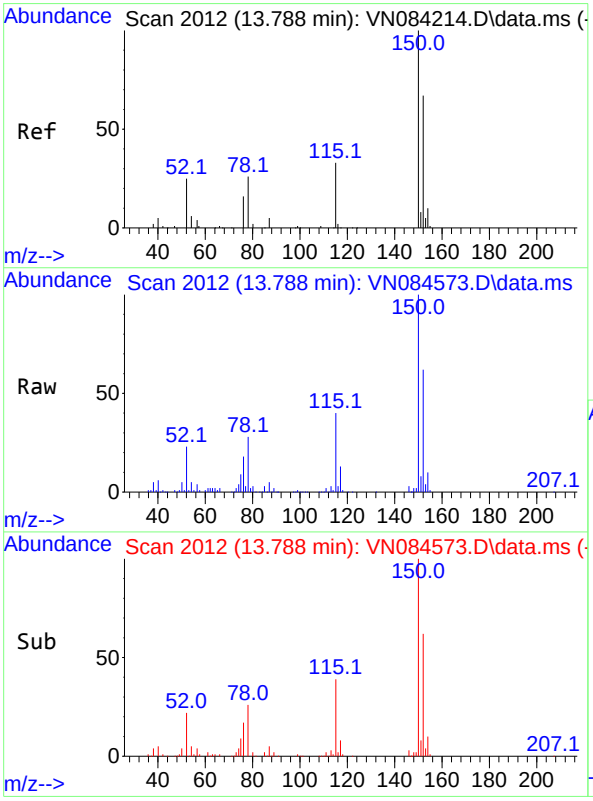
#71
Bromoform
Concen: 9.871 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

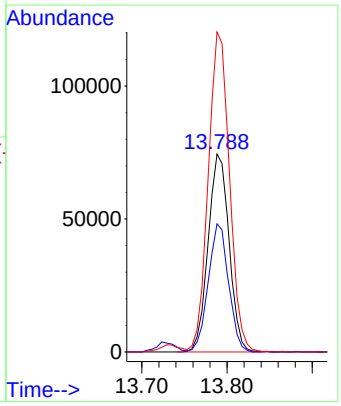


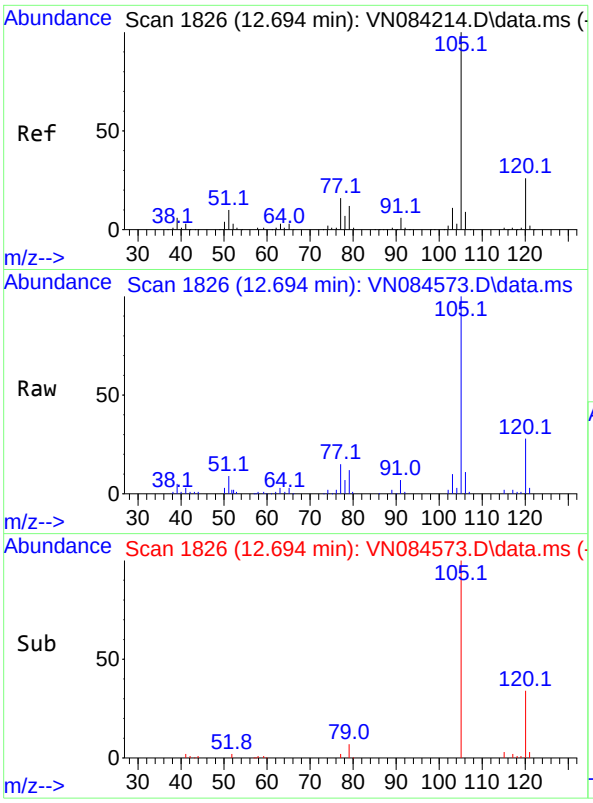


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



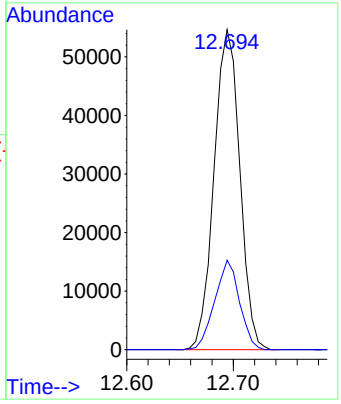


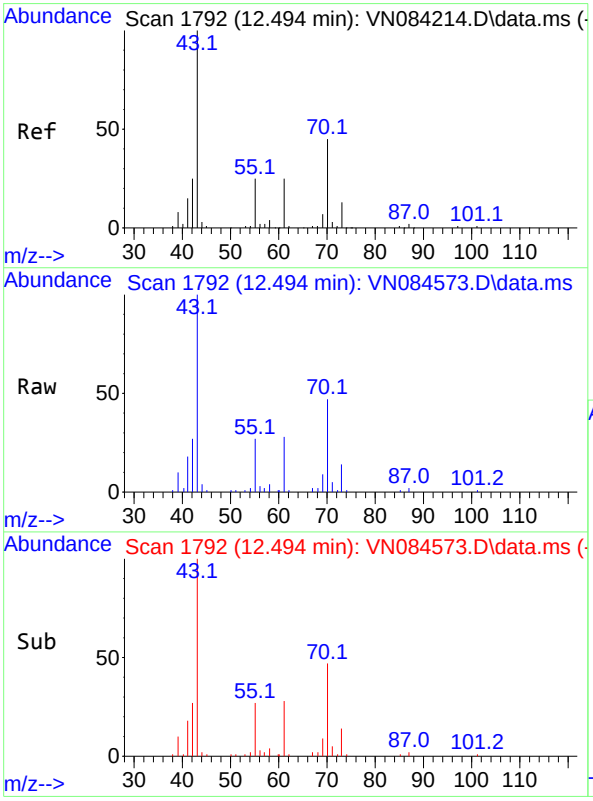
#73
Isopropylbenzene
Concen: 10.287 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 91683

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.7

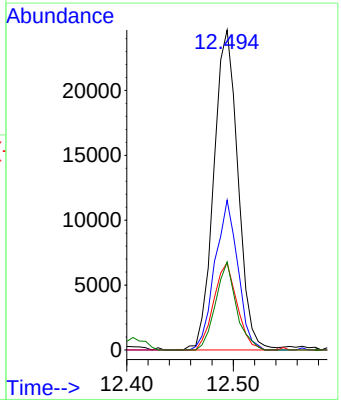


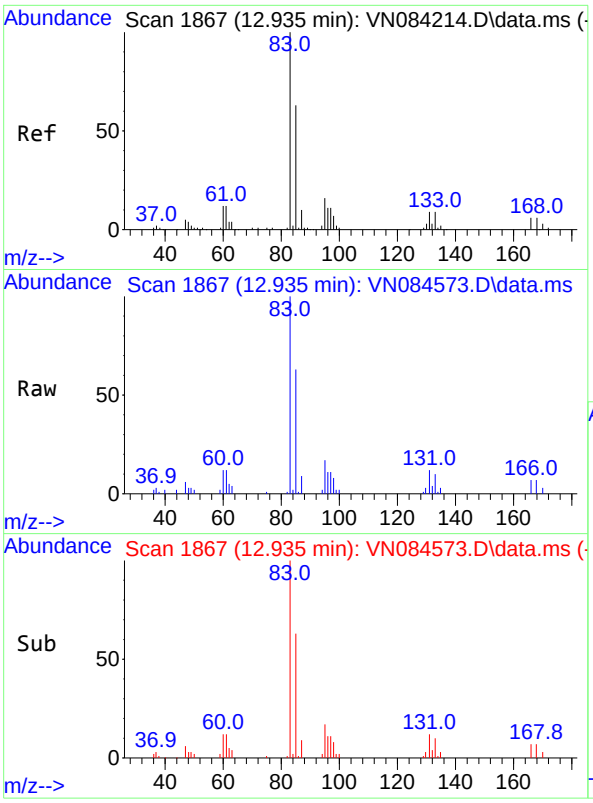


#74
N-amyl acetate
Concen: 10.240 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



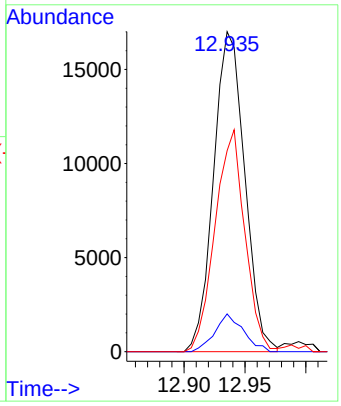


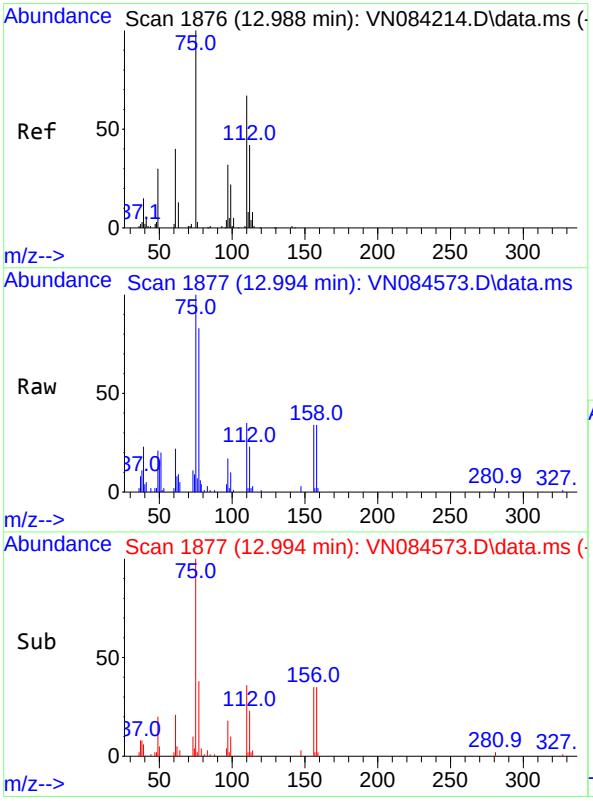
#75
1,1,2,2-Tetrachloroethane
Concen: 10.175 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

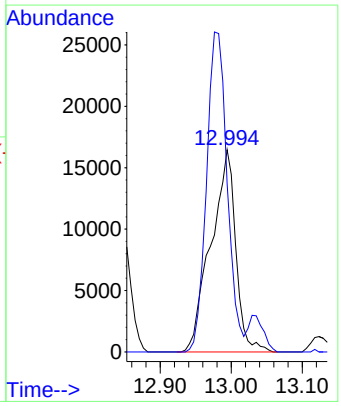


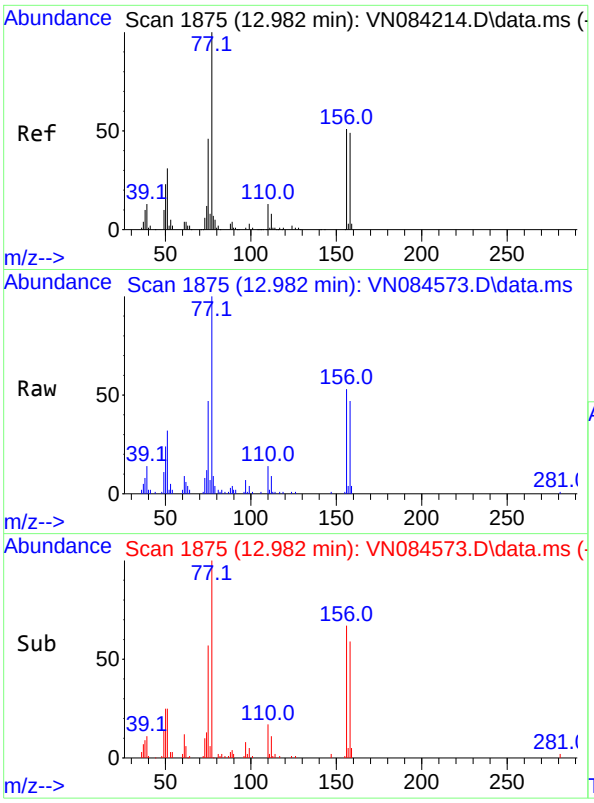


#76
1,2,3-Trichloropropane
Concen: 15.913 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 75 Resp: 39936

Ion	Ratio	Lower	Upper
75	100		
77	131.8	96.9	290.7



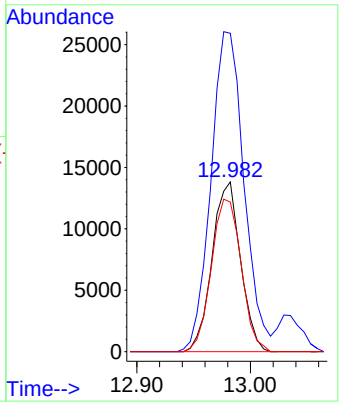


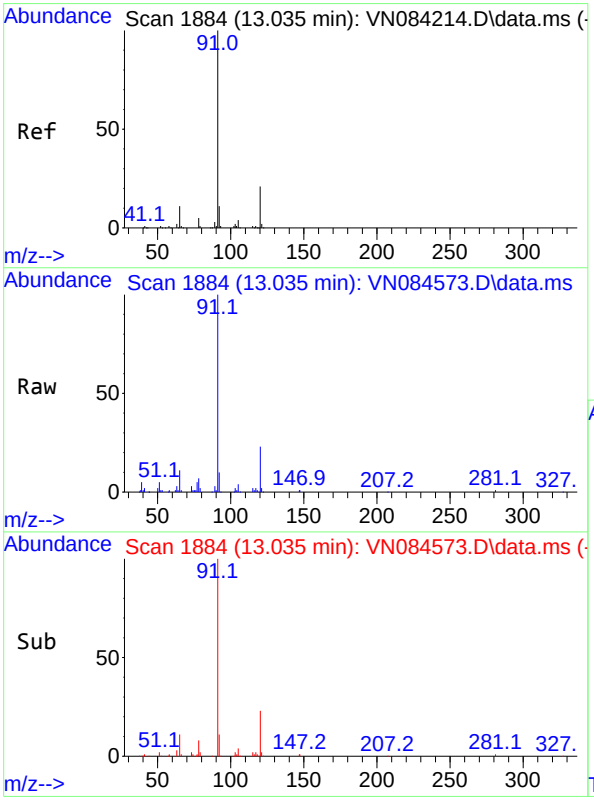
#77
Bromobenzene
Concen: 10.012 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

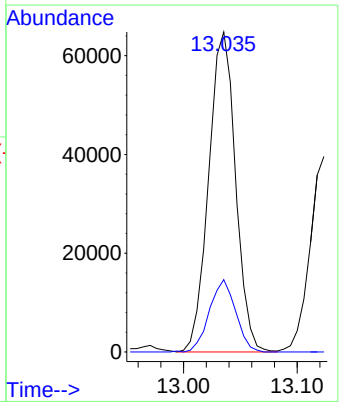


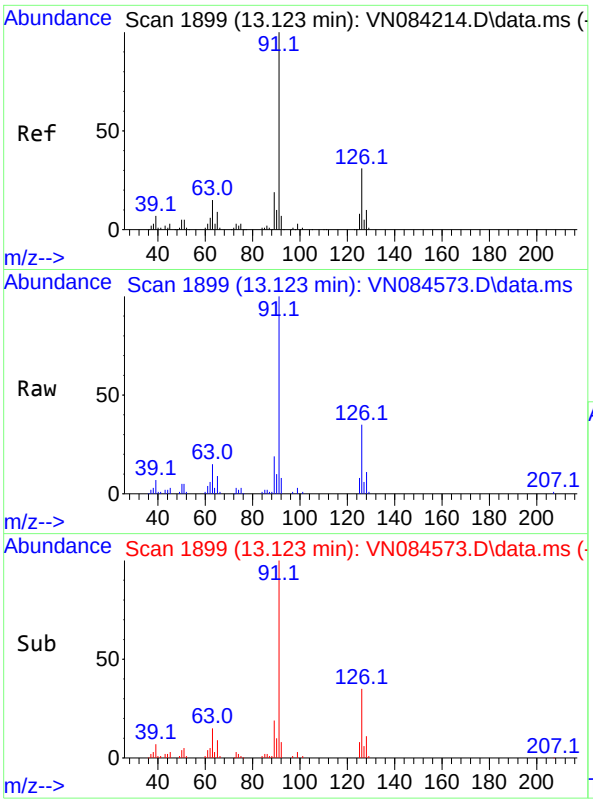


#78
n-propylbenzene
Concen: 10.199 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 106518

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



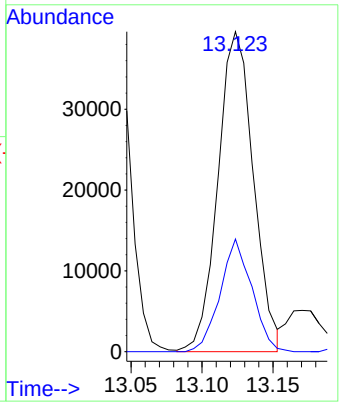


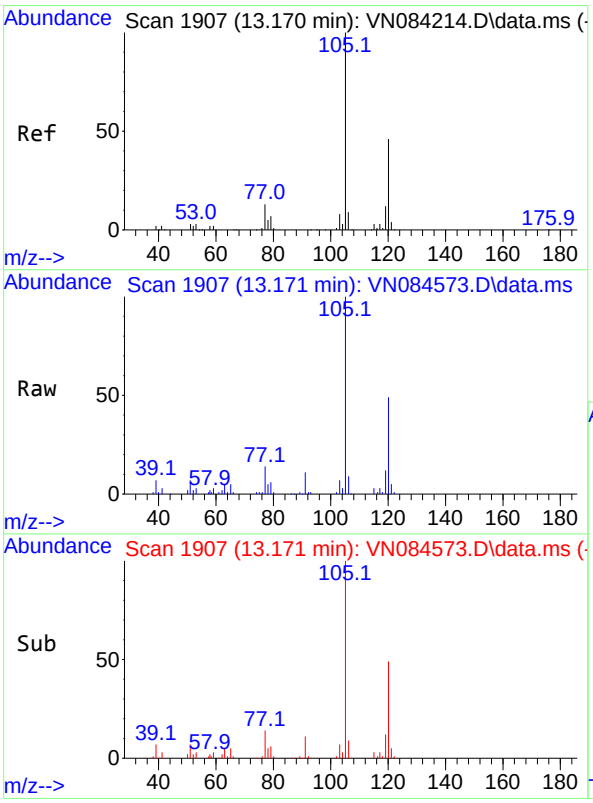
#79
2-Chlorotoluene
Concen: 10.064 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 68678

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.7	47.1

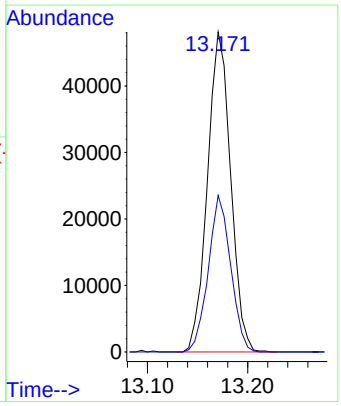


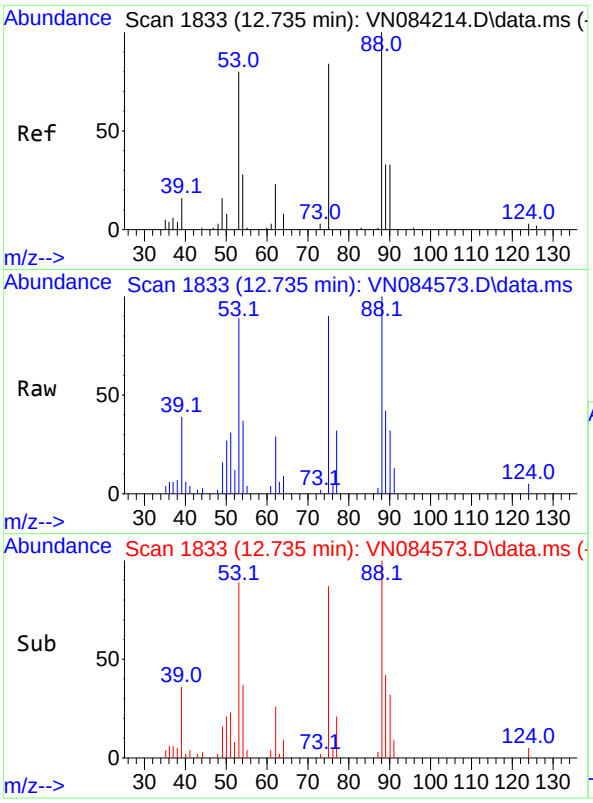


#80
1,3,5-Trimethylbenzene
Concen: 10.461 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 77273

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1



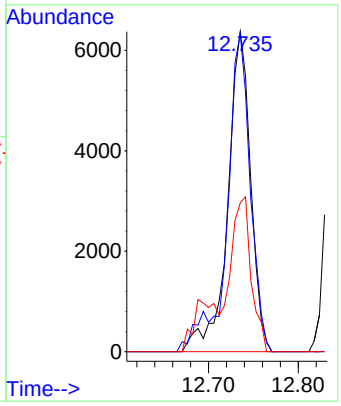


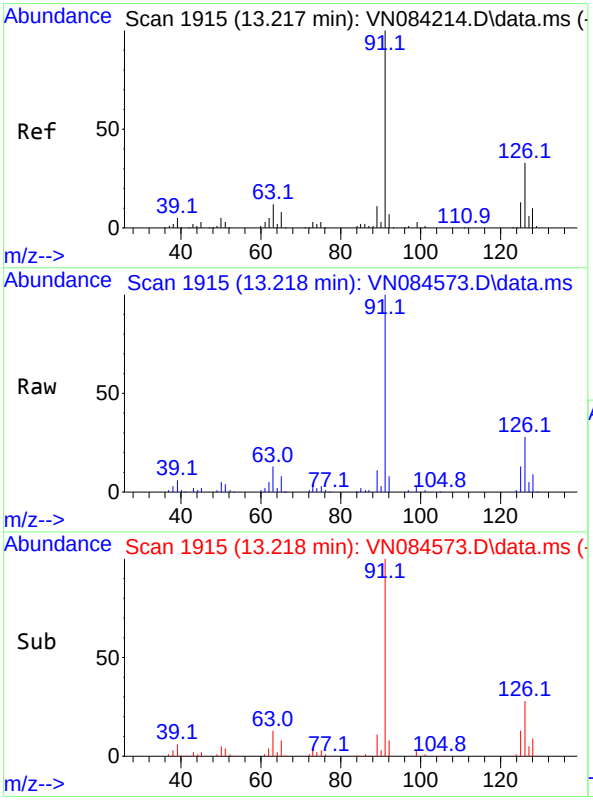
#81
trans-1,4-Dichloro-2-butene
Concen: 10.577 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

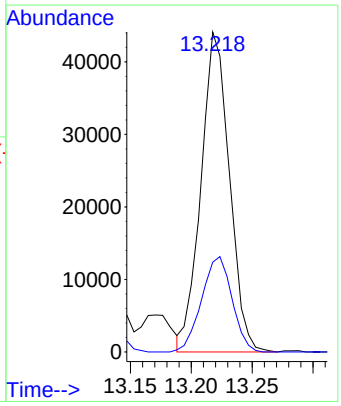


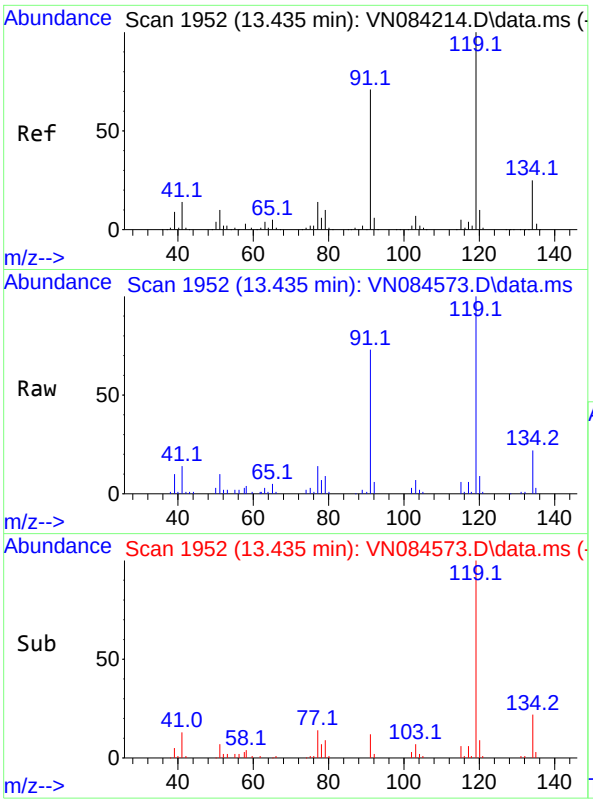


#82
4-Chlorotoluene
Concen: 9.996 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion: 91 Resp: 71787

Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.7	47.1



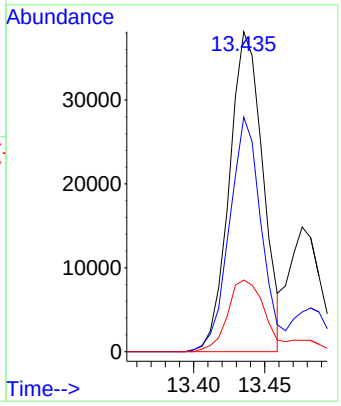


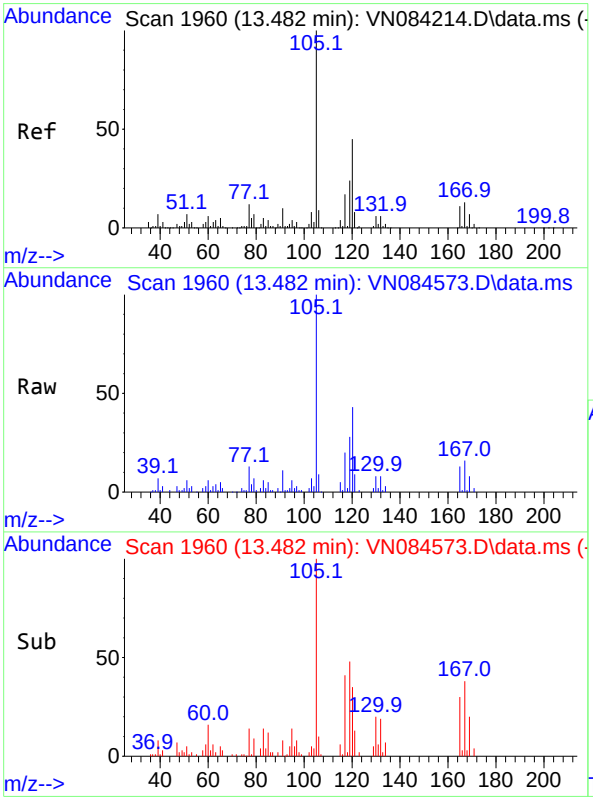
#83
tert-Butylbenzene
Concen: 10.240 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

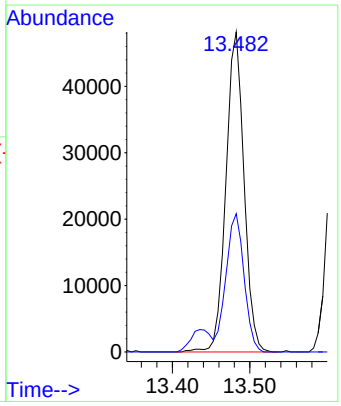


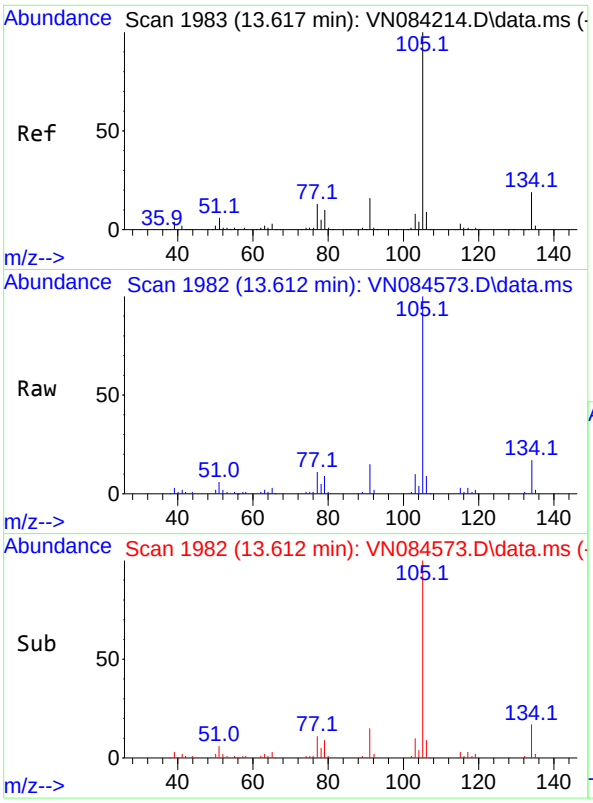


#84
1,2,4-Trimethylbenzene
Concen: 10.258 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:105 Resp: 78207

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



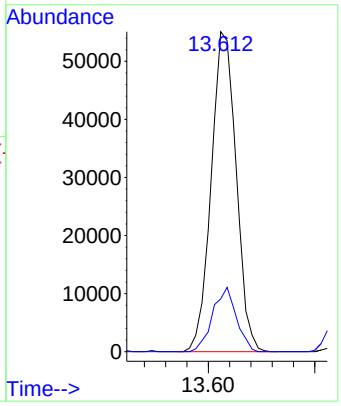


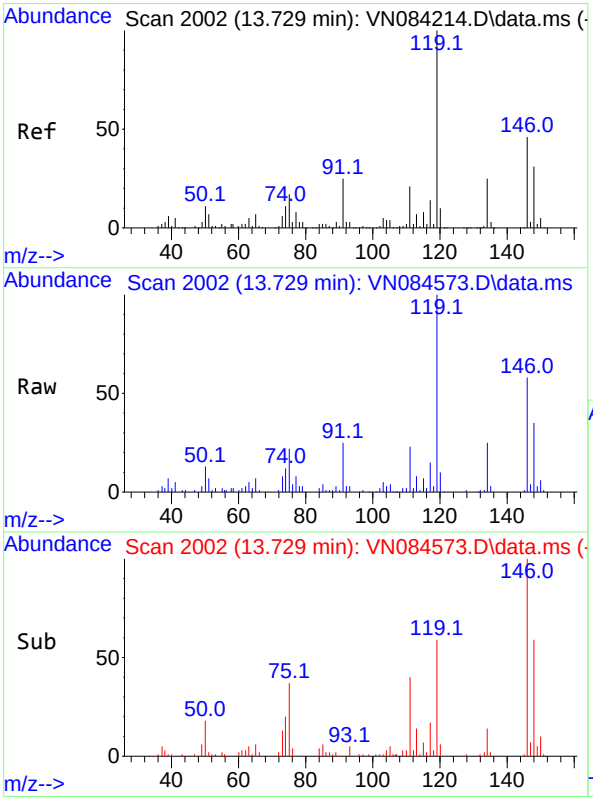
#85
sec-Butylbenzene
Concen: 10.361 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 89469

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

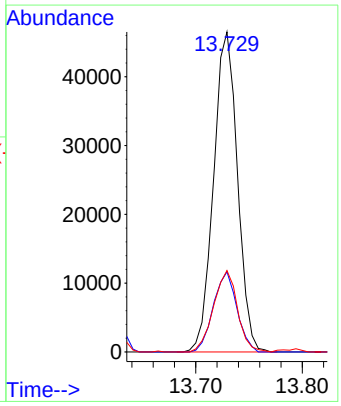


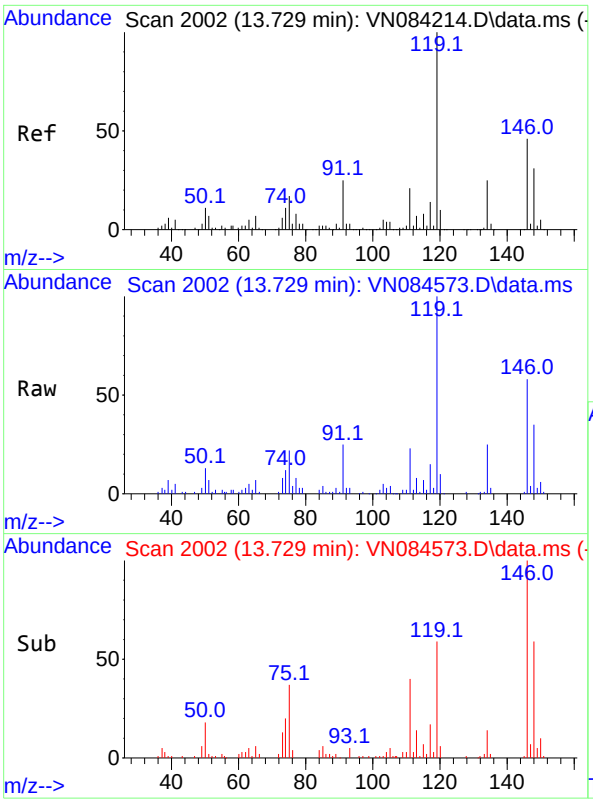


#86
p-Isopropyltoluene
Concen: 10.210 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



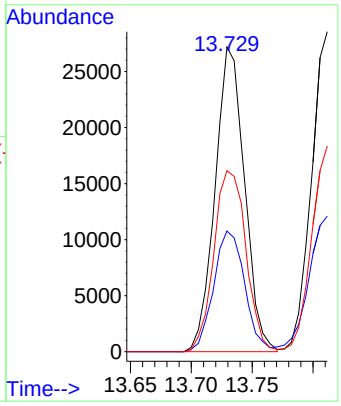


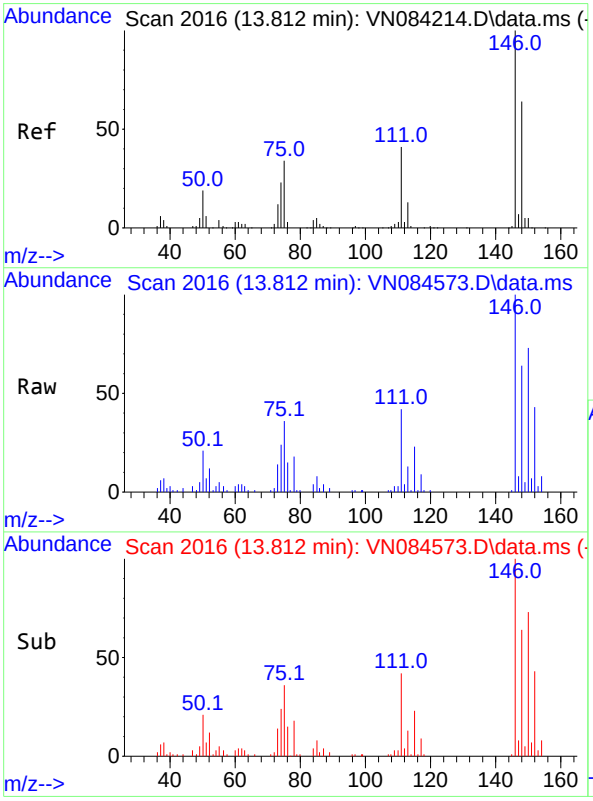
#87
1,3-Dichlorobenzene
Concen: 9.802 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

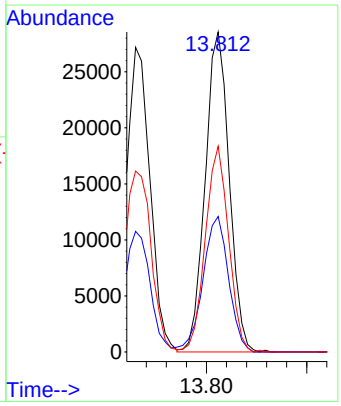


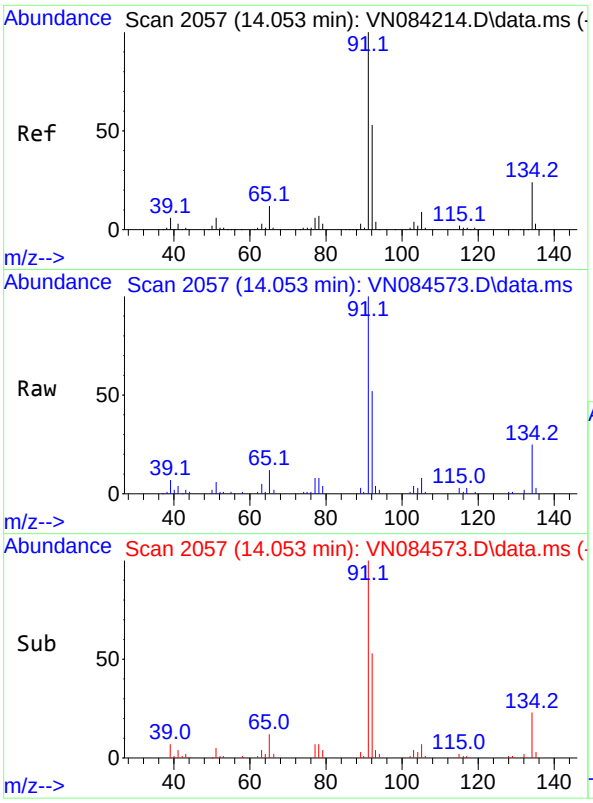


#88
1,4-Dichlorobenzene
Concen: 10.276 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



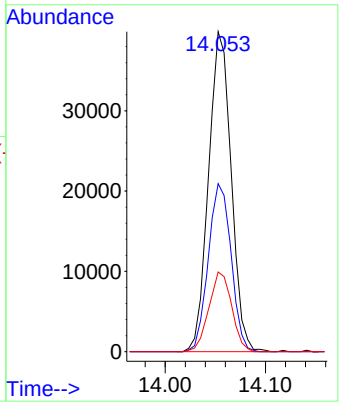


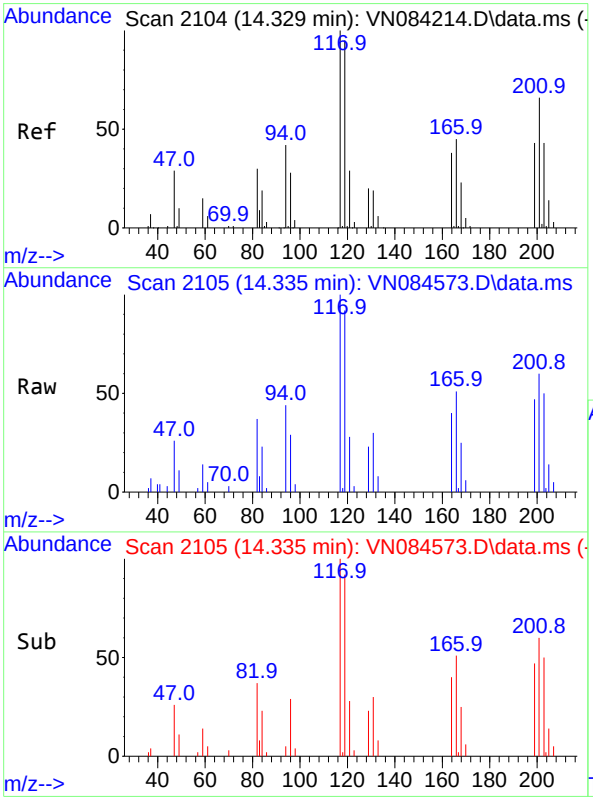
#89
n-Butylbenzene
Concen: 9.433 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

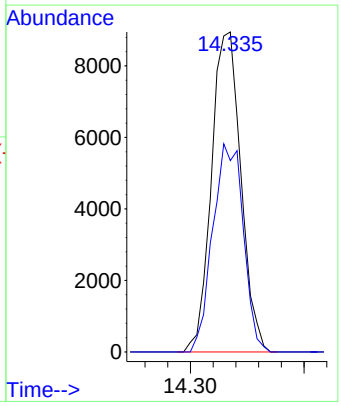


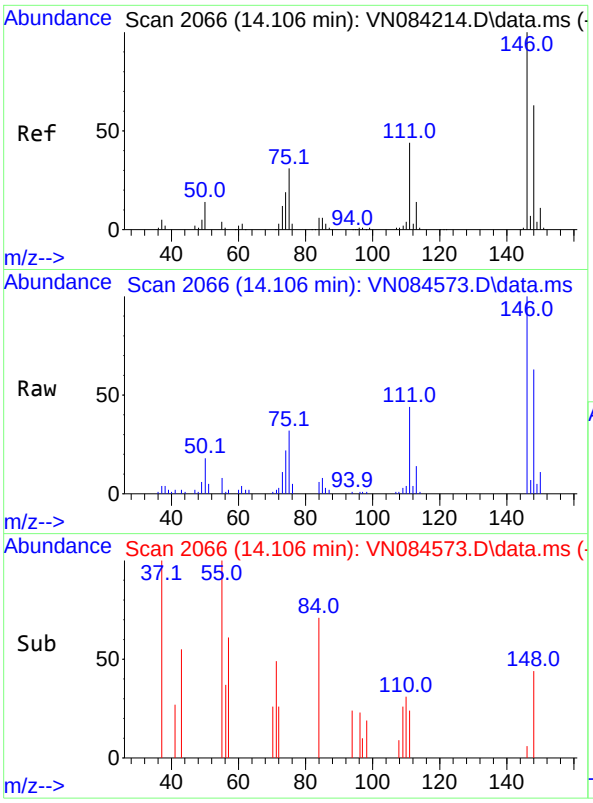


#90
Hexachloroethane
Concen: 10.194 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

Tgt Ion:117 Resp: 16100

Ion	Ratio	Lower	Upper
117	100		
201	67.4	34.4	103.2



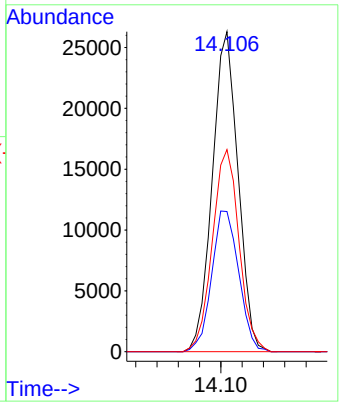


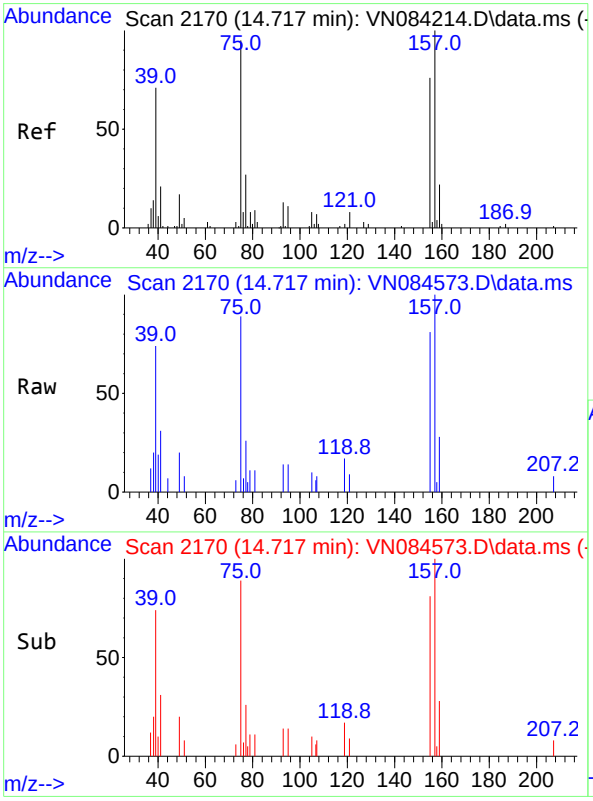
#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

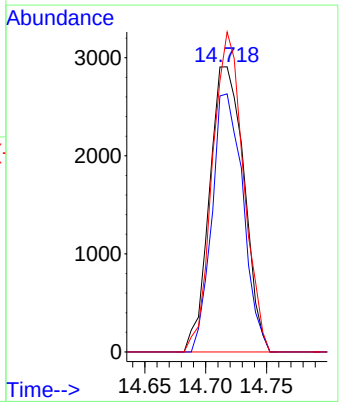


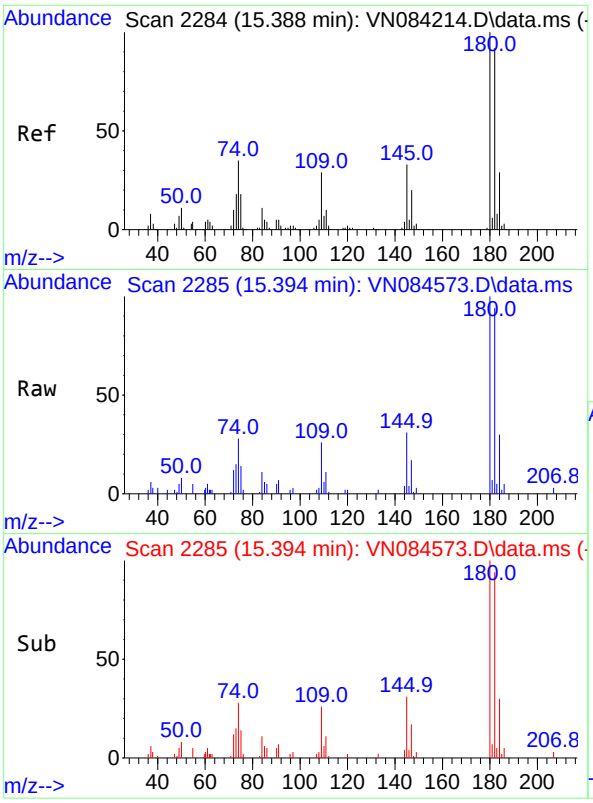


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.531 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



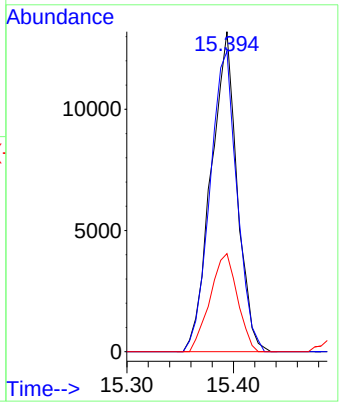


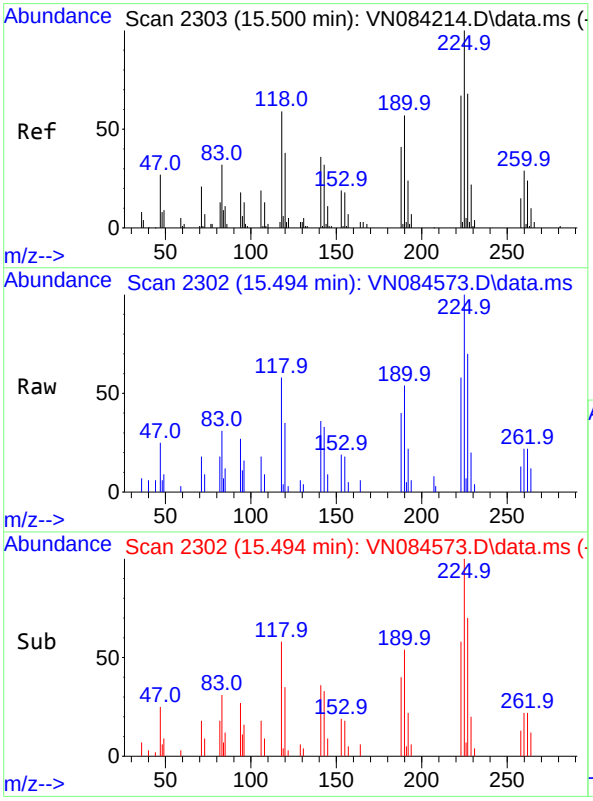
#93
1,2,4-Trichlorobenzene
Concen: 9.114 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

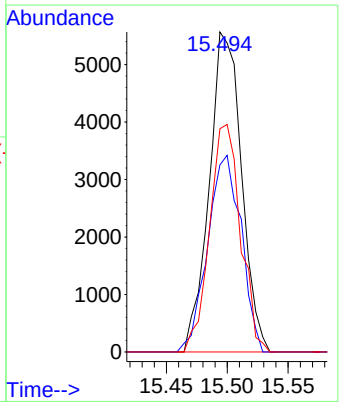


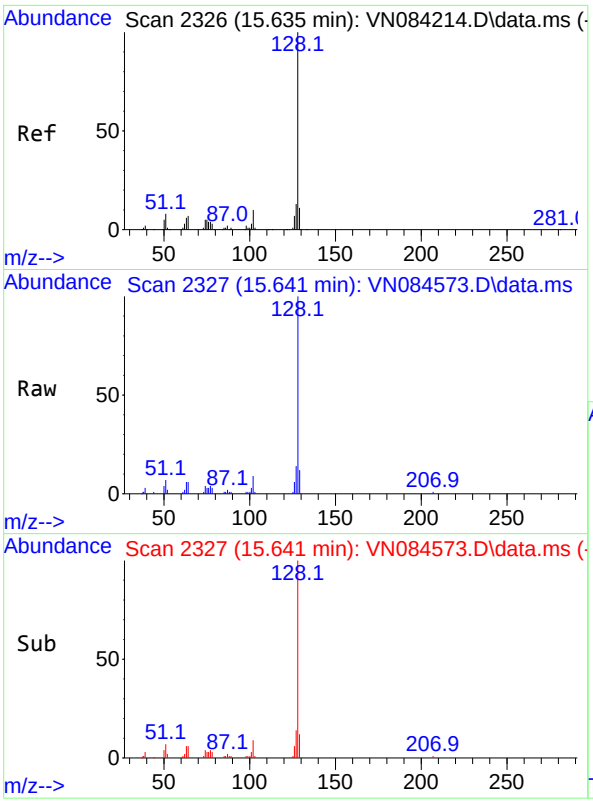


#94
Hexachlorobutadiene
Concen: 9.503 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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



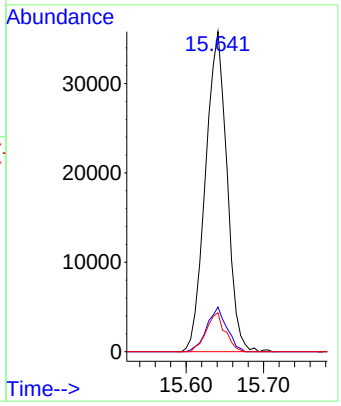


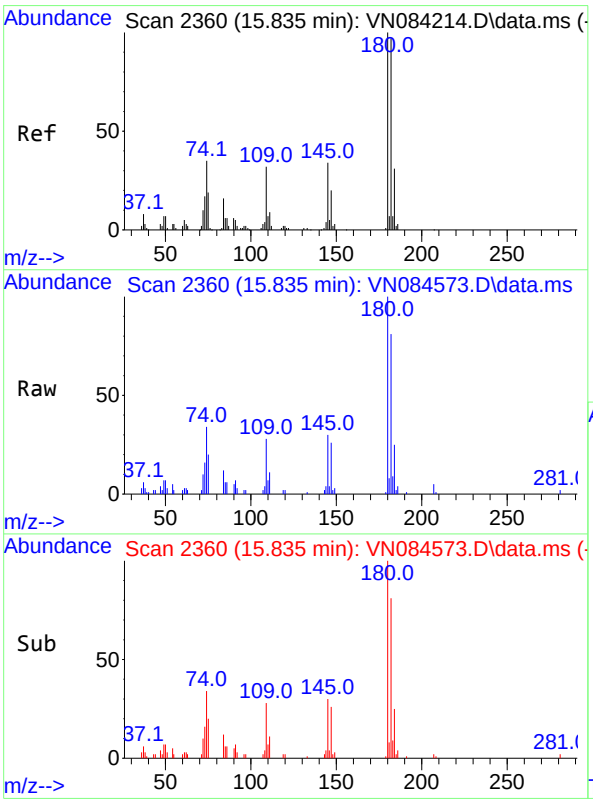
#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

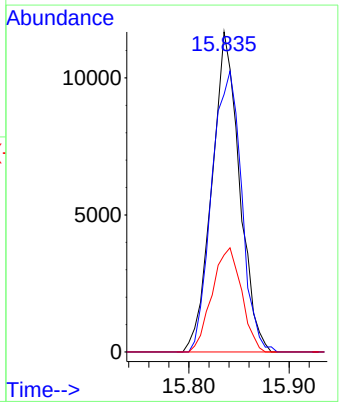




#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084573.D
Acq: 30 Oct 2024 12:57

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

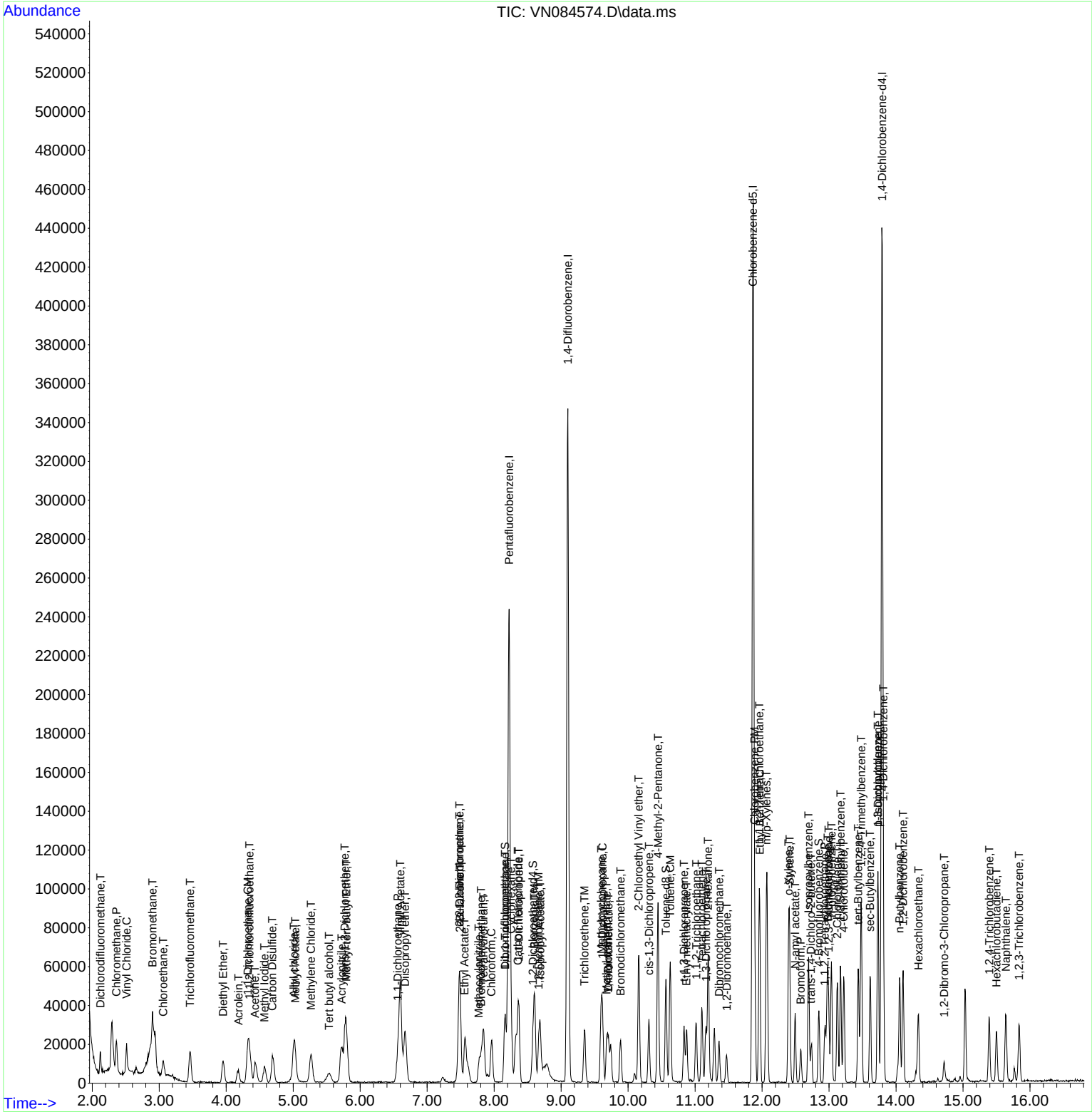
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

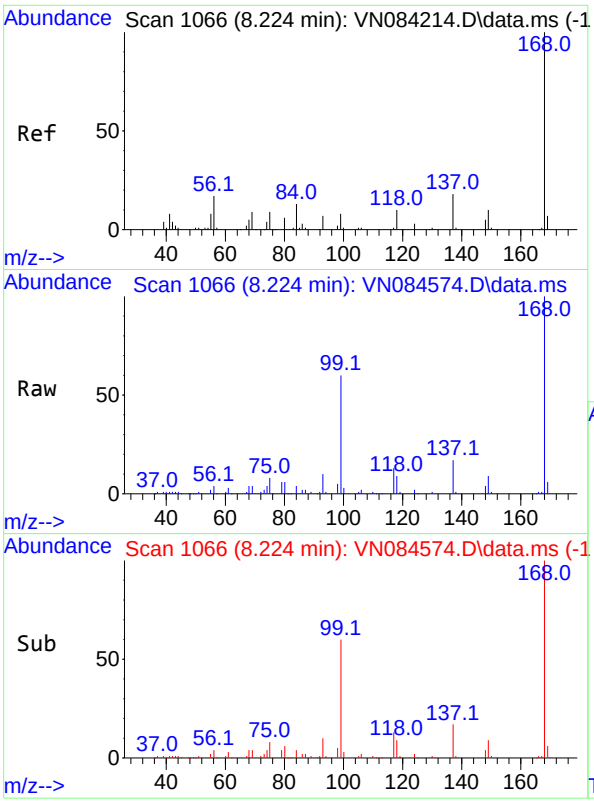
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



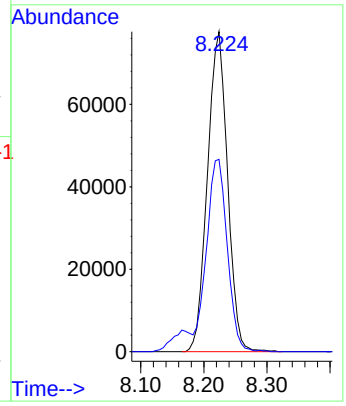


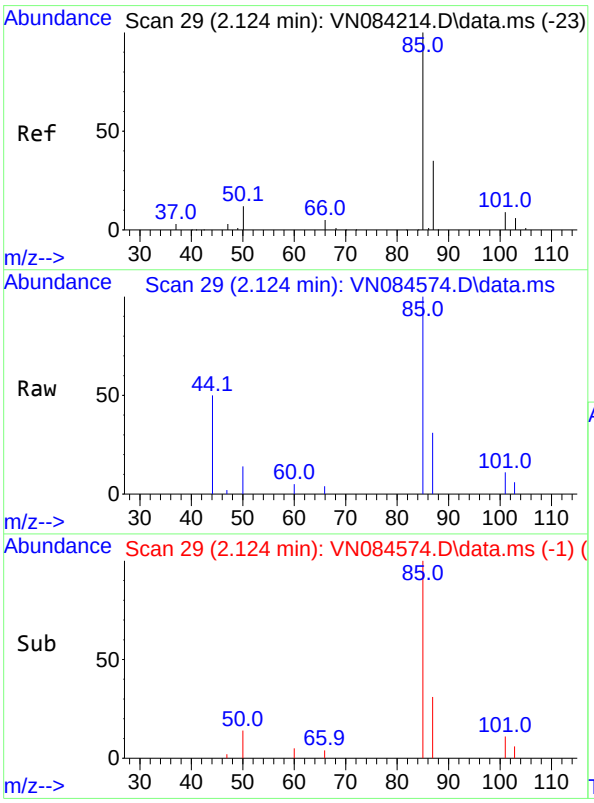
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 171598

Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2

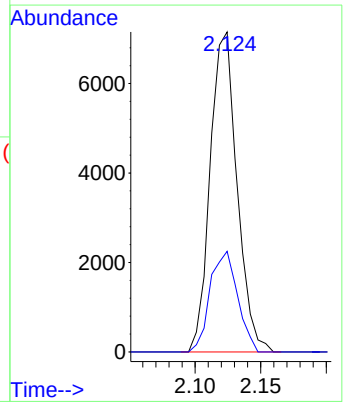


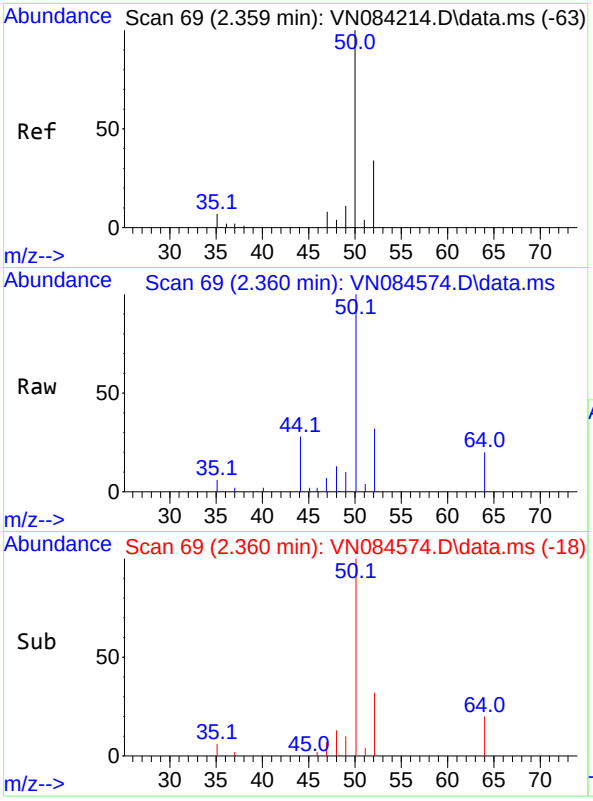


#2
Dichlorodifluoromethane
Concen: 5.167 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 85 Resp: 10192

Ion	Ratio	Lower	Upper
85	100		
87	31.5	17.6	52.9



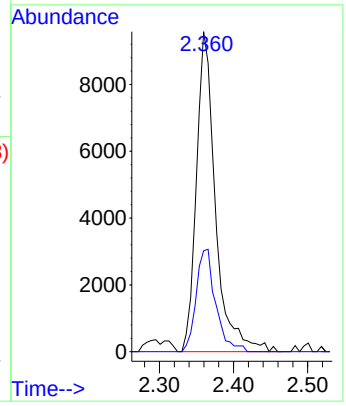


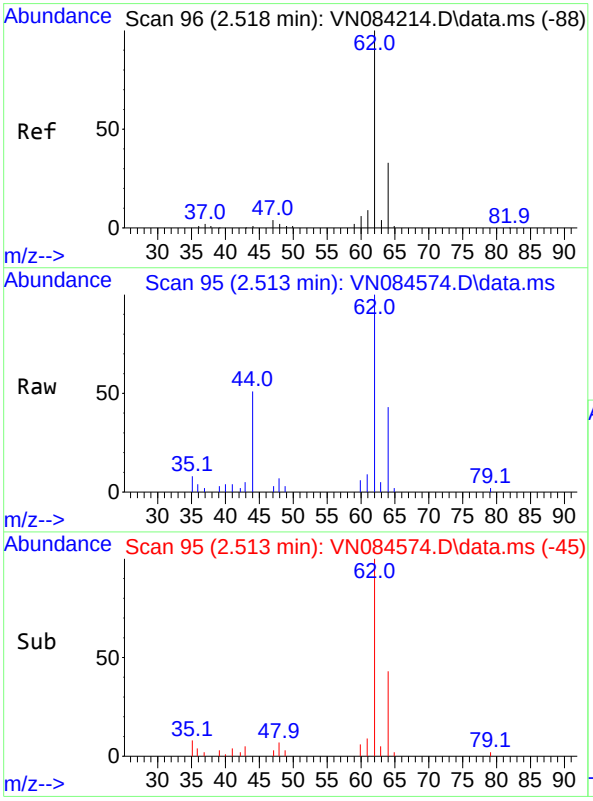
#3
Chloromethane
Concen: 5.115 ug/l
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 17076

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.8	40.2

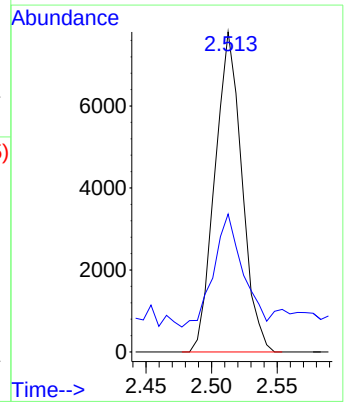


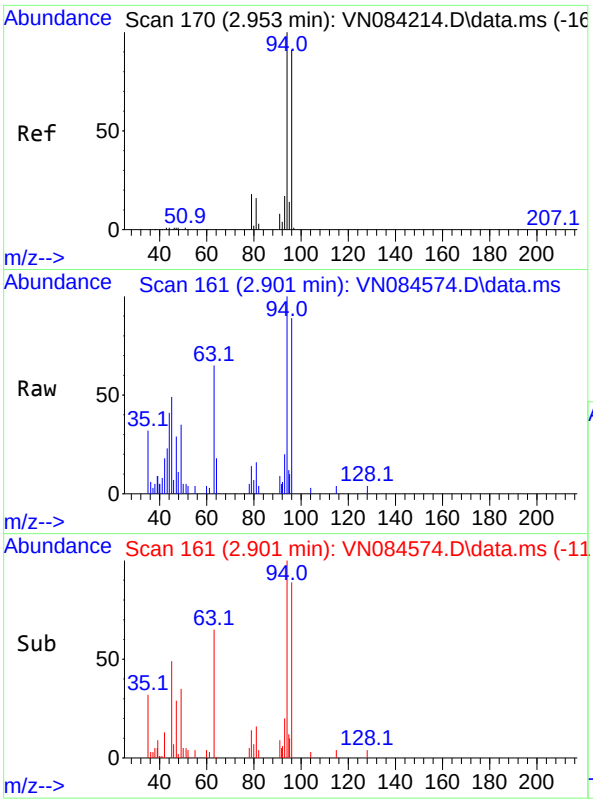


#4
Vinyl Chloride
Concen: 5.267 ug/l
RT: 2.513 min Scan# 95
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 11174

Ion	Ratio	Lower	Upper
62	100		
64	35.3	26.2	39.4



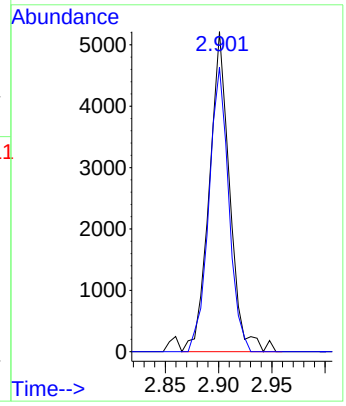


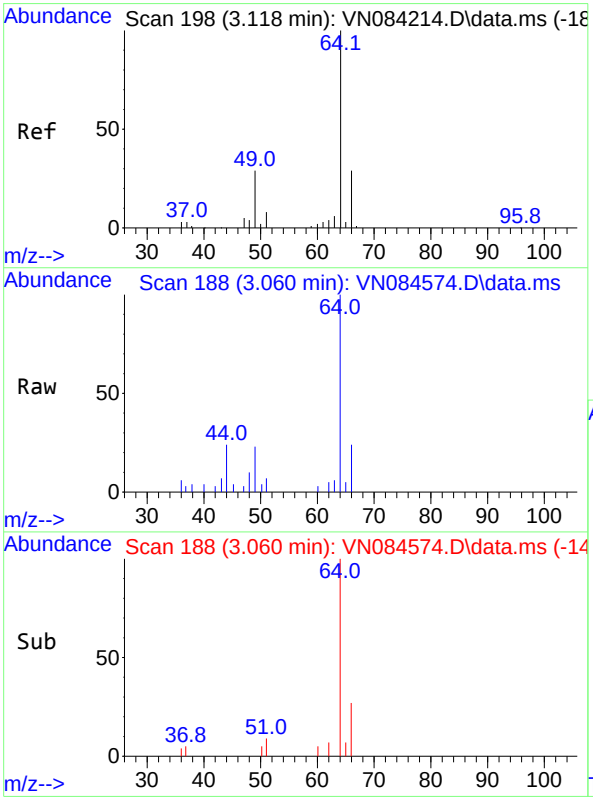
#5
Bromomethane
Concen: 6.177 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 6944

Ion	Ratio	Lower	Upper
94	100		
96	88.8	72.9	109.3

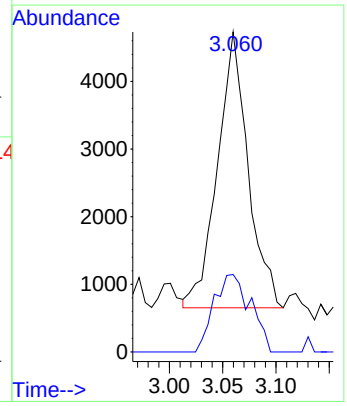


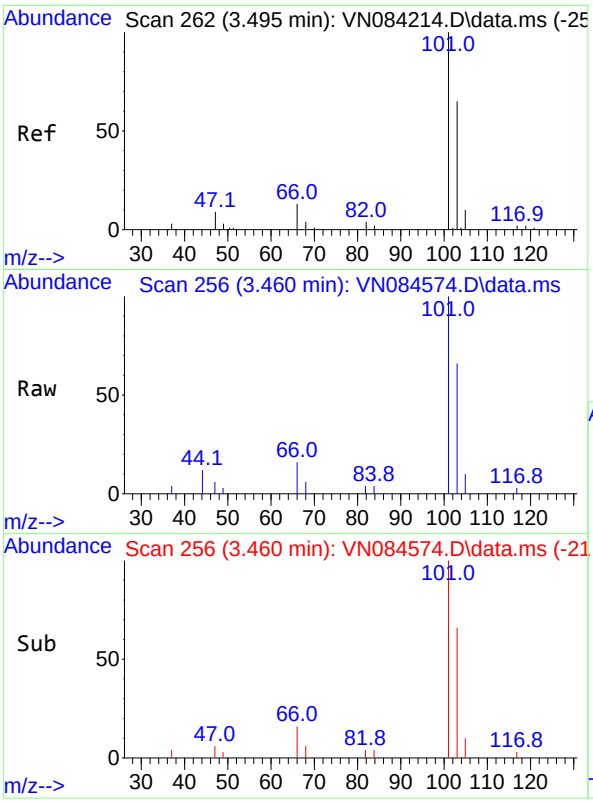


#6
Chloroethane
Concen: 4.946 ug/l
RT: 3.060 min Scan# 188
Delta R.T. -0.058 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 64 Resp: 8146

Ion	Ratio	Lower	Upper
64	100		
66	28.1	23.5	35.3



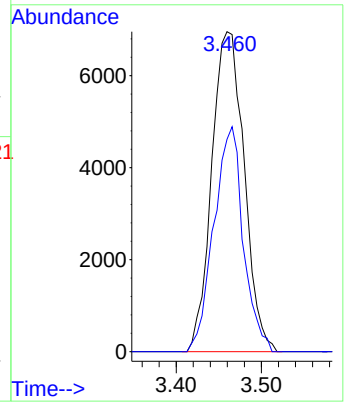


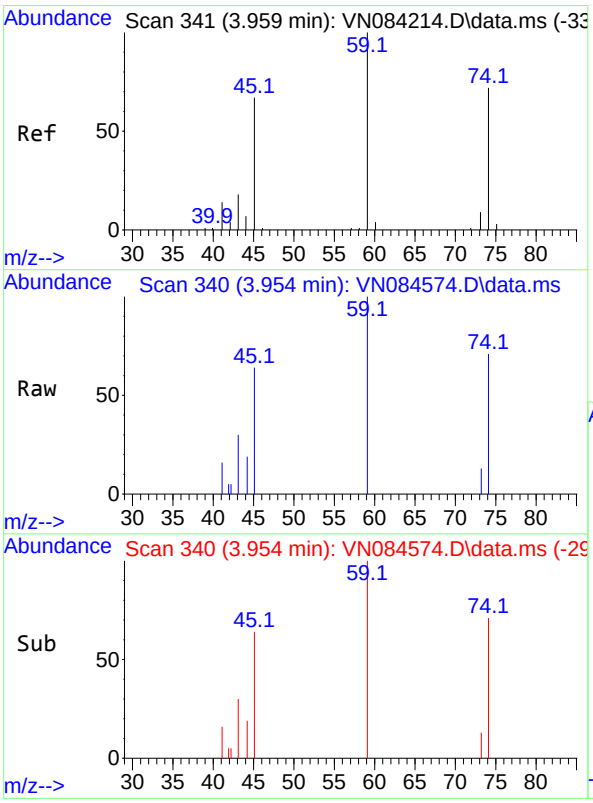
#7
Trichlorofluoromethane
Concen: 5.254 ug/l
RT: 3.460 min Scan# 2
Delta R.T. -0.035 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 18362

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6

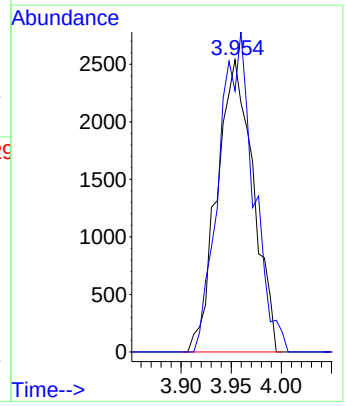


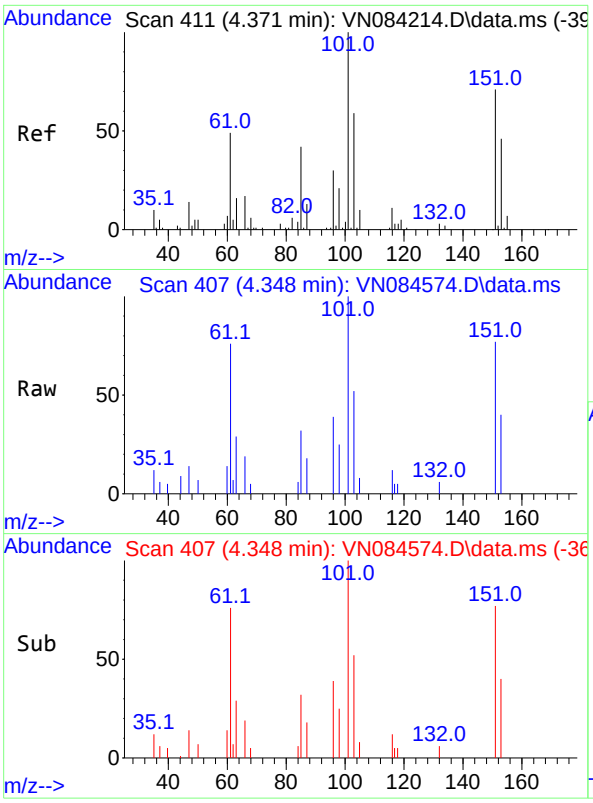


#8
Diethyl Ether
Concen: 5.168 ug/l
RT: 3.954 min Scan# 340
Delta R.T. -0.005 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 74 Resp: 6372

Ion	Ratio	Lower	Upper
74	100		
45	104.5	47.7	143.1



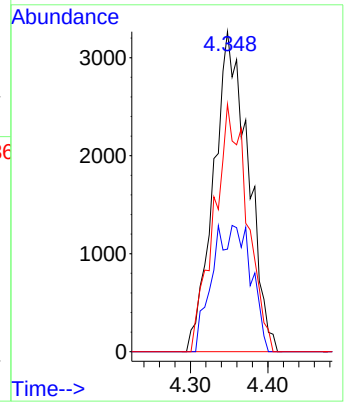


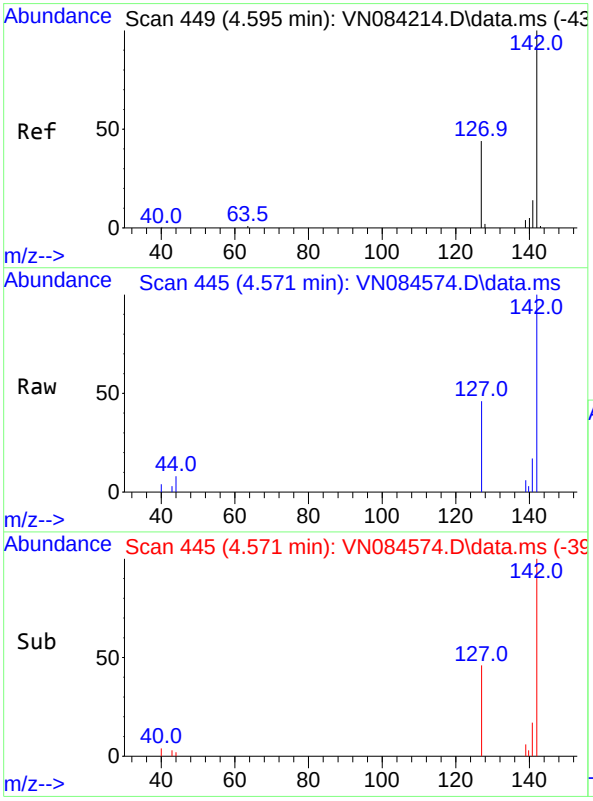
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.109 ug/l
RT: 4.348 min Scan# 4(
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

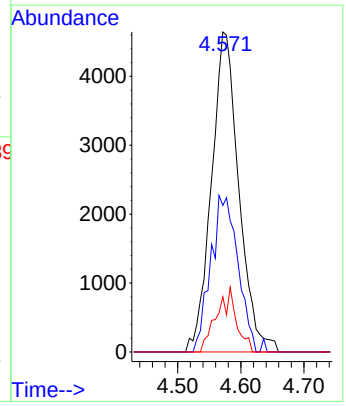


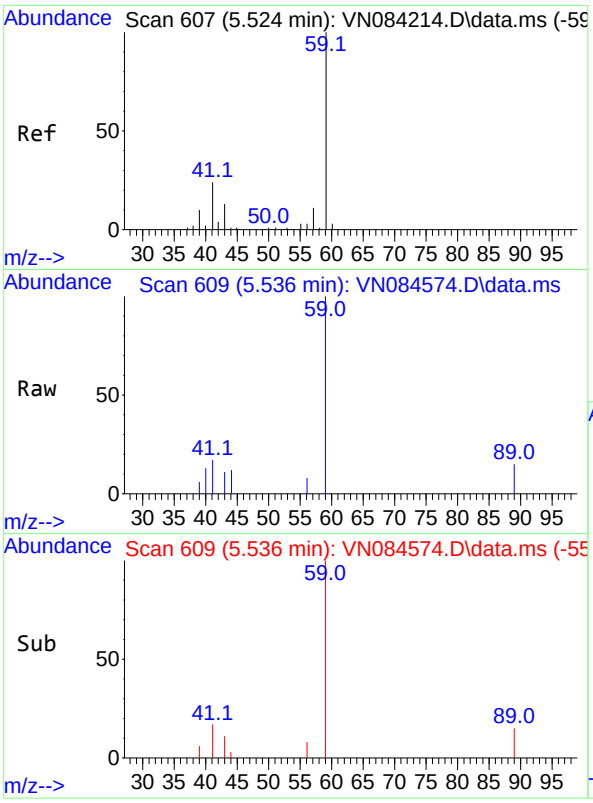


#10
Methyl Iodide
Concen: 5.312 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#



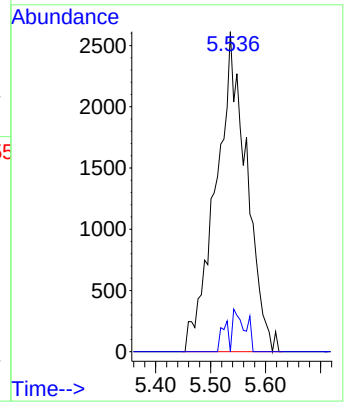


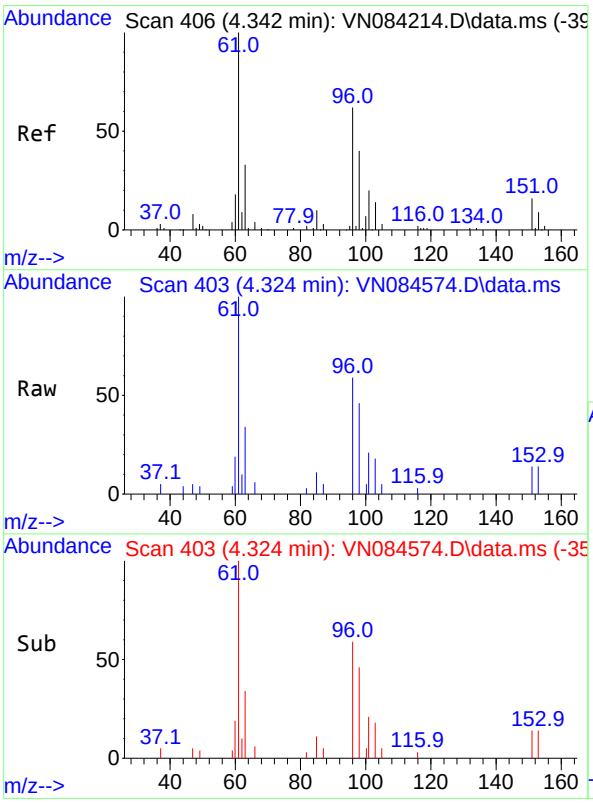
#11
Tert butyl alcohol
Concen: 31.035 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 10153

Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.2	12.2#

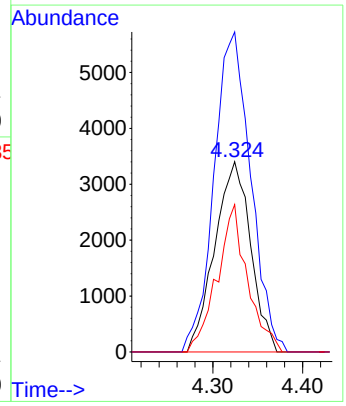


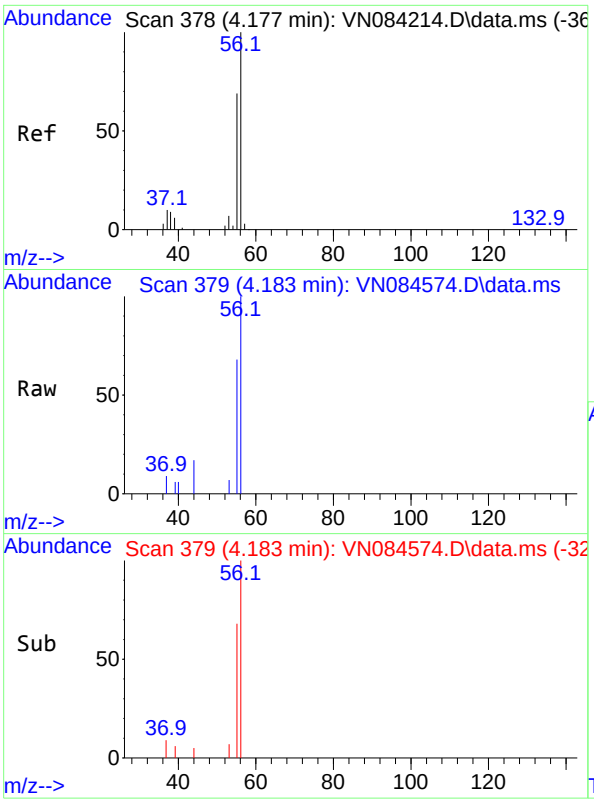


#12
1,1-Dichloroethene
Concen: 4.848 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



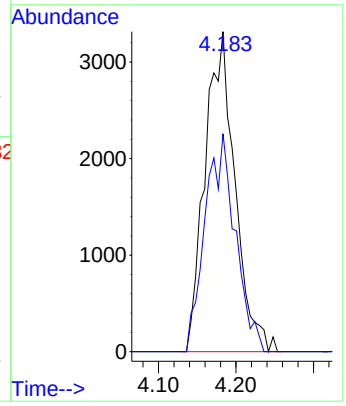


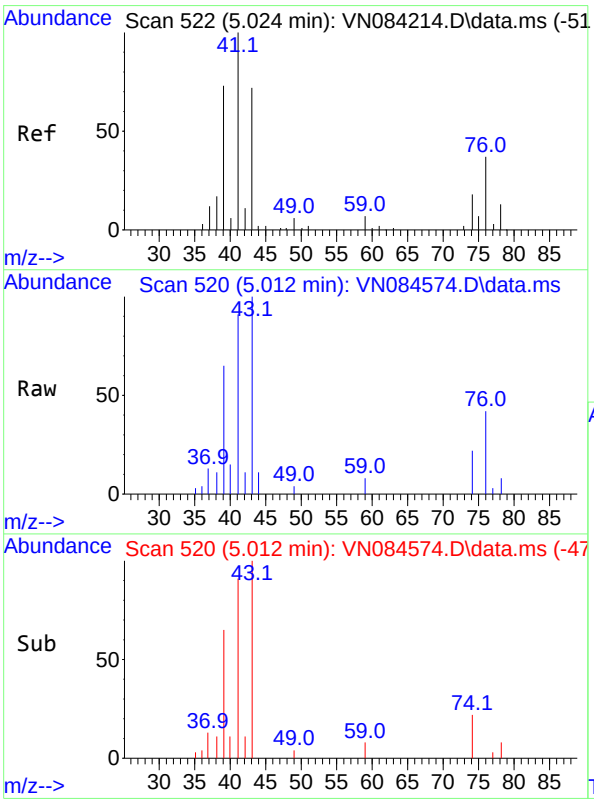
#13
Acrolein
Concen: 27.251 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8890

Ion	Ratio	Lower	Upper
56	100		
55	68.6	57.2	85.8

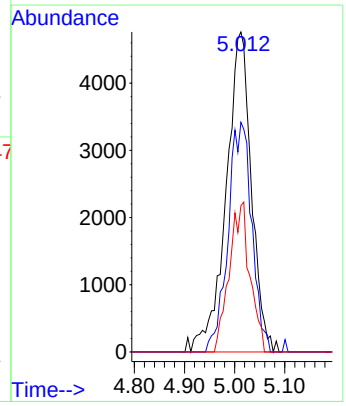


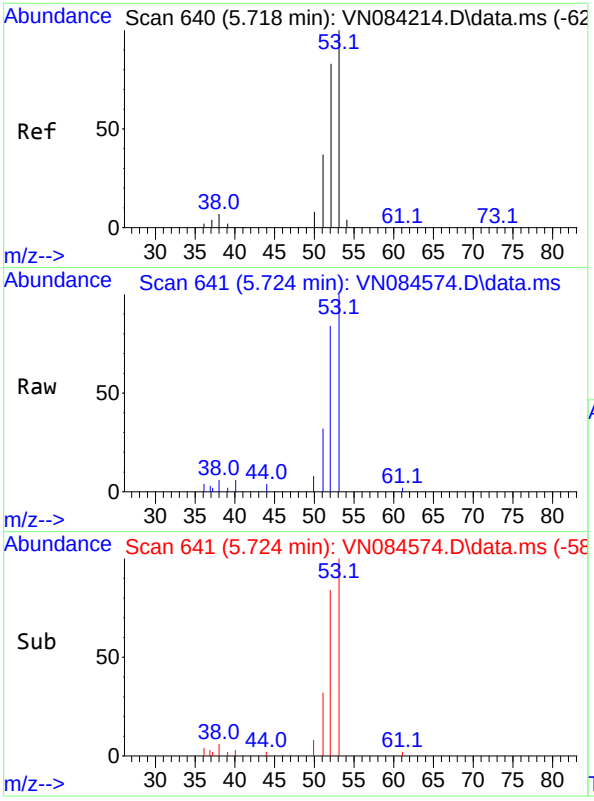


#14
Allyl chloride
Concen: 5.292 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



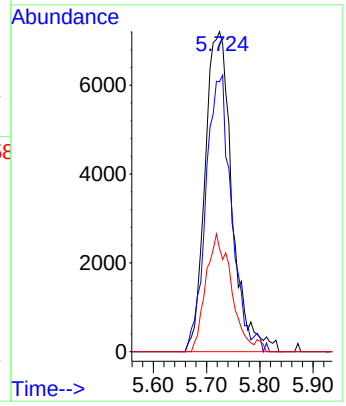


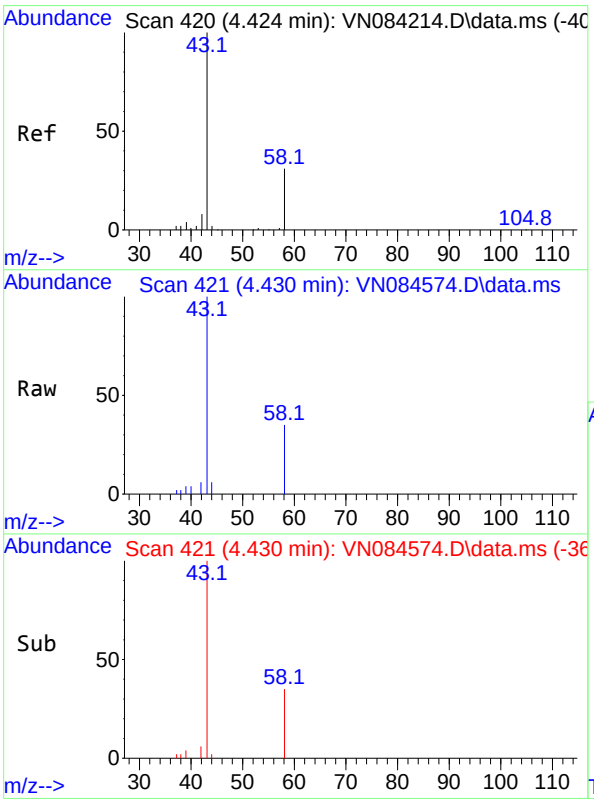
#15
Acrylonitrile
Concen: 26.621 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

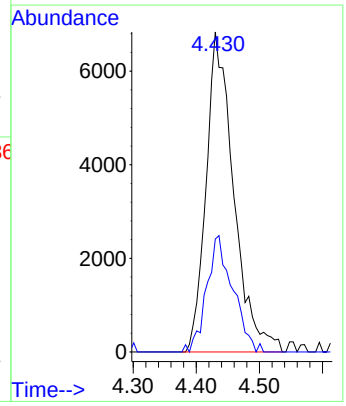


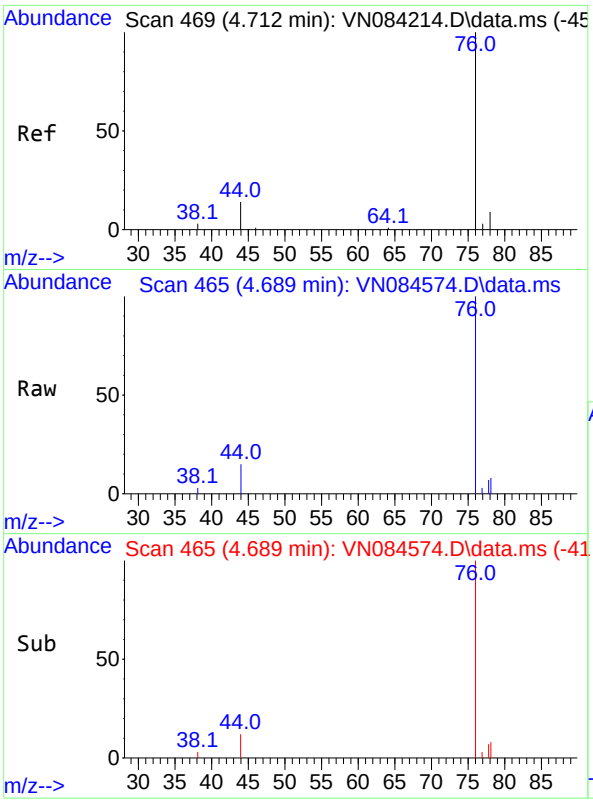


#16
Acetone
Concen: 26.370 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 20706

Ion	Ratio	Lower	Upper
43	100		
58	35.3	24.4	36.6



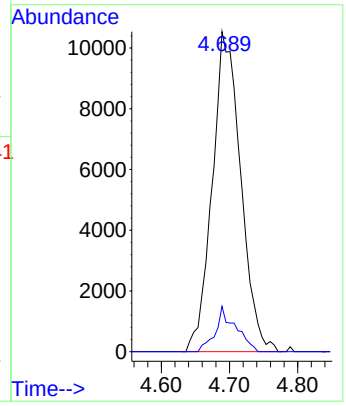


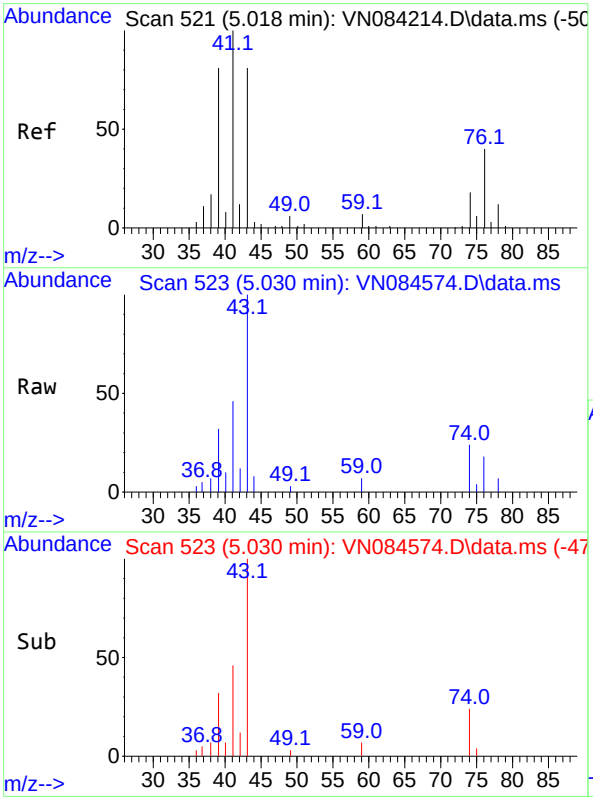
#17
Carbon Disulfide
Concen: 5.087 ug/l
RT: 4.689 min Scan# 4
Delta R.T. -0.023 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 30614

Ion	Ratio	Lower	Upper
76	100		
78	14.2	7.3	10.9#

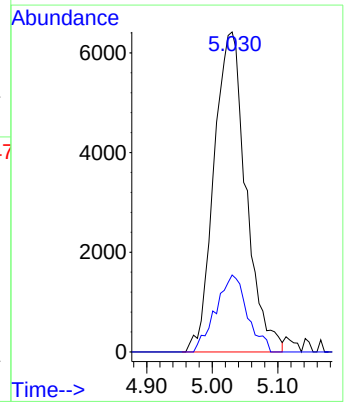


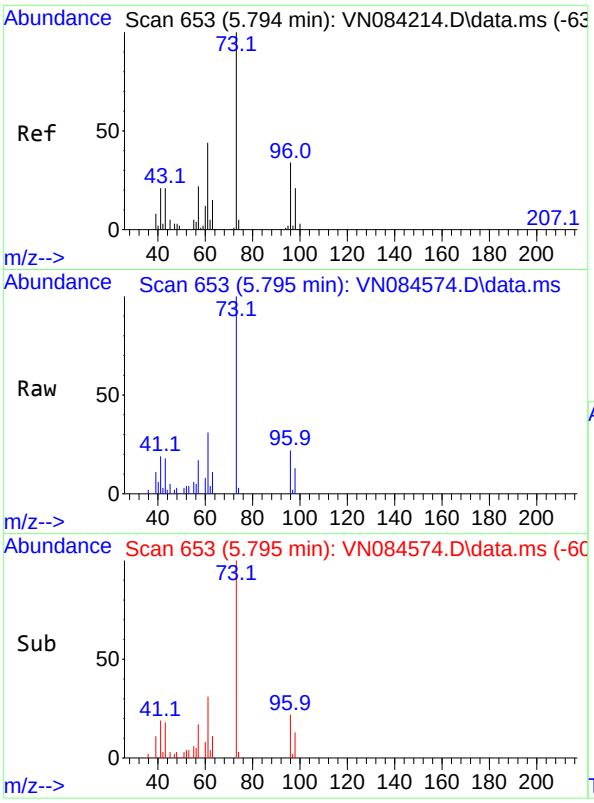


#18
Methyl Acetate
Concen: 4.691 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 43 Resp: 21727

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8



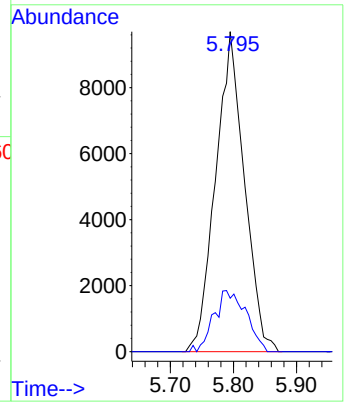


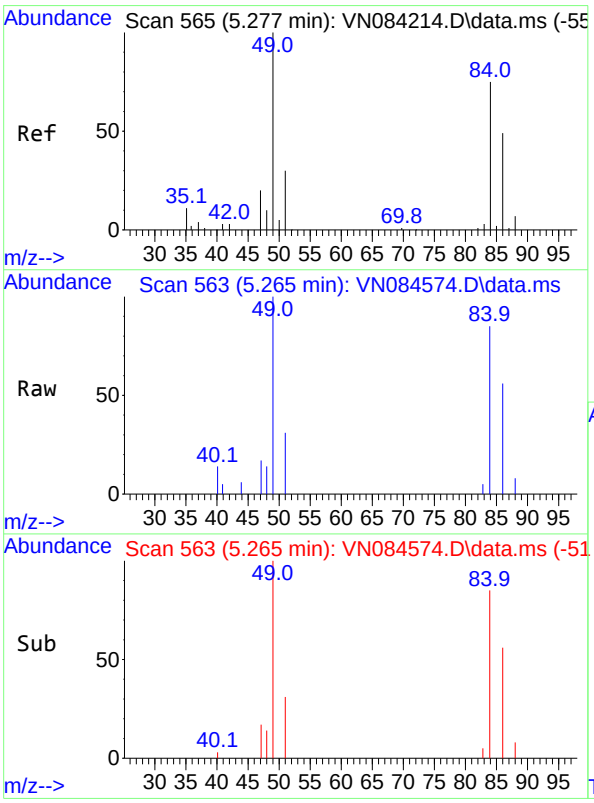
#19
Methyl tert-butyl Ether
Concen: 5.118 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 30655

Ion	Ratio	Lower	Upper
73	100		
57	16.7	17.7	26.5#

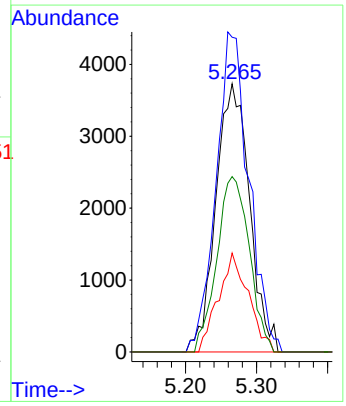


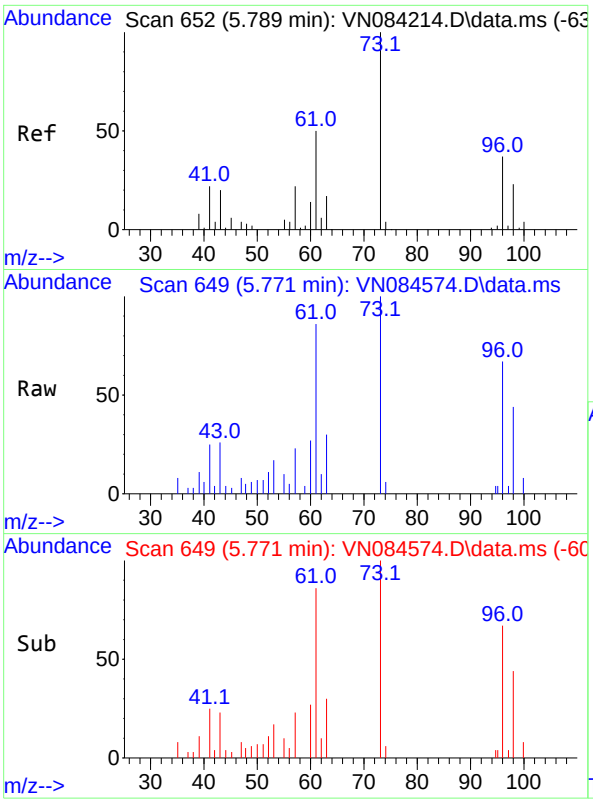


#20
Methylene Chloride
Concen: 5.623 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



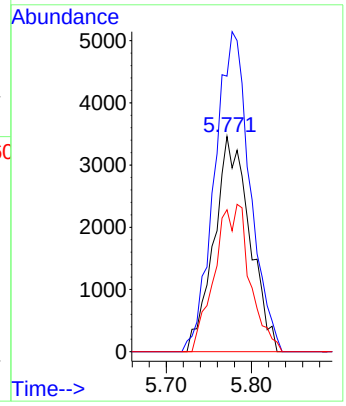


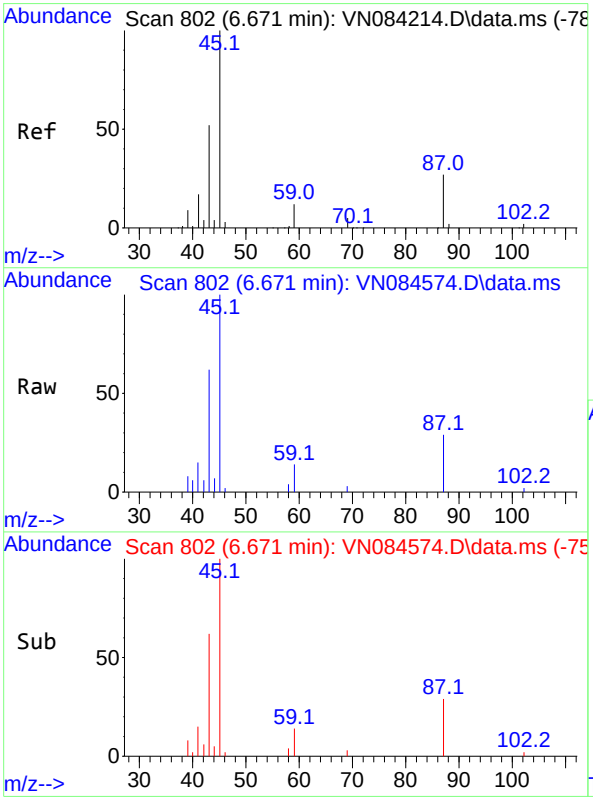
#21
trans-1,2-Dichloroethene
Concen: 4.996 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.017 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

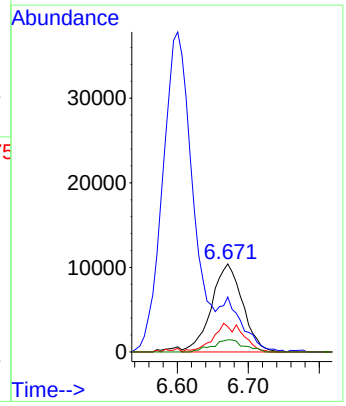


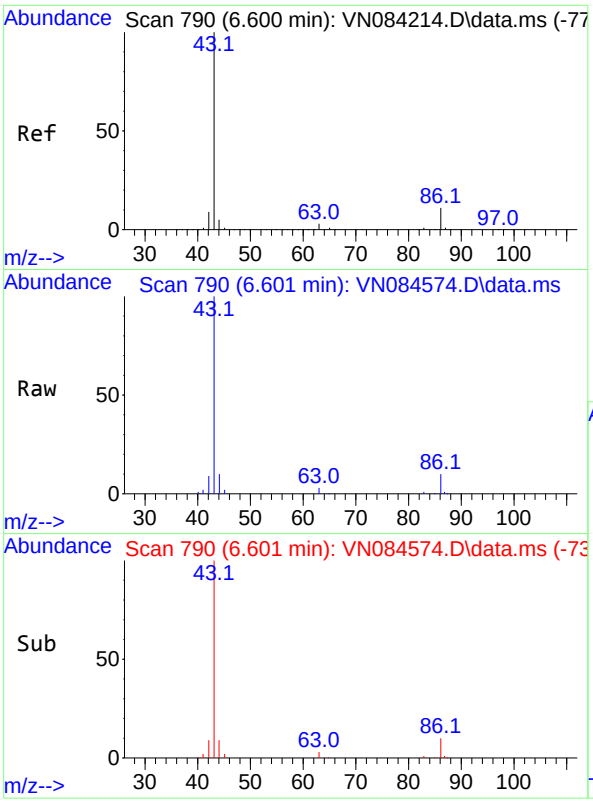


#22
Diisopropyl ether
Concen: 5.023 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



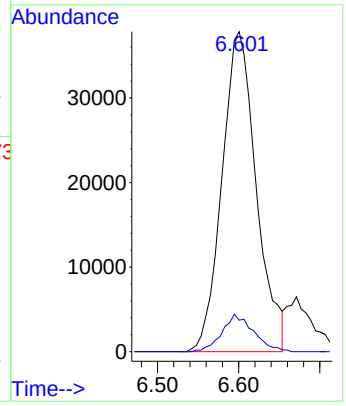


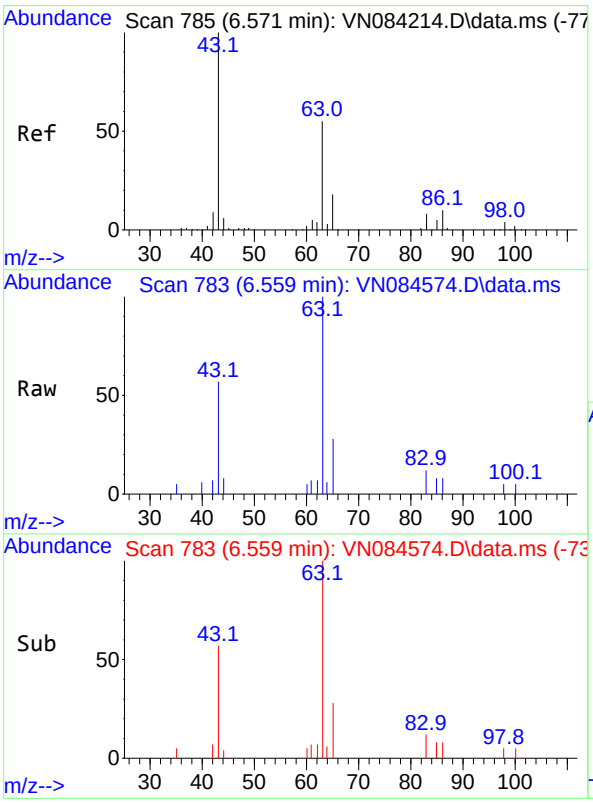
#23
Vinyl Acetate
Concen: 25.622 ug/l
RT: 6.601 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 111267

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.6	12.8

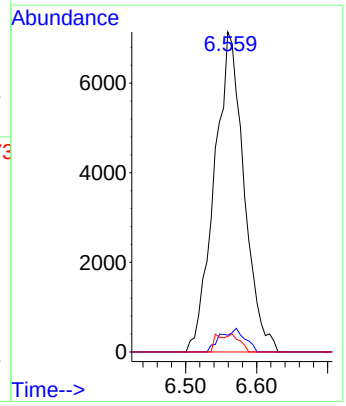


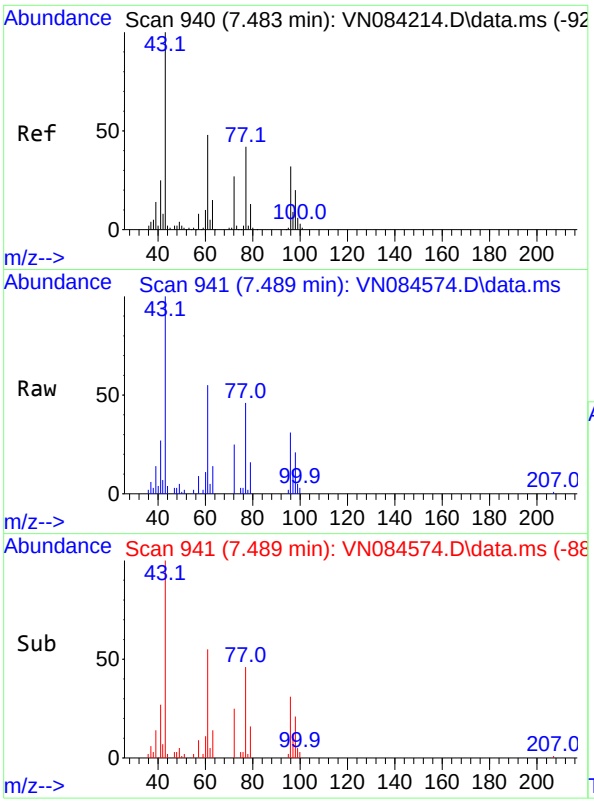


#24
1,1-Dichloroethane
Concen: 5.460 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.011 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



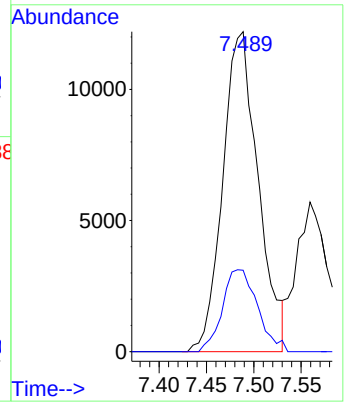


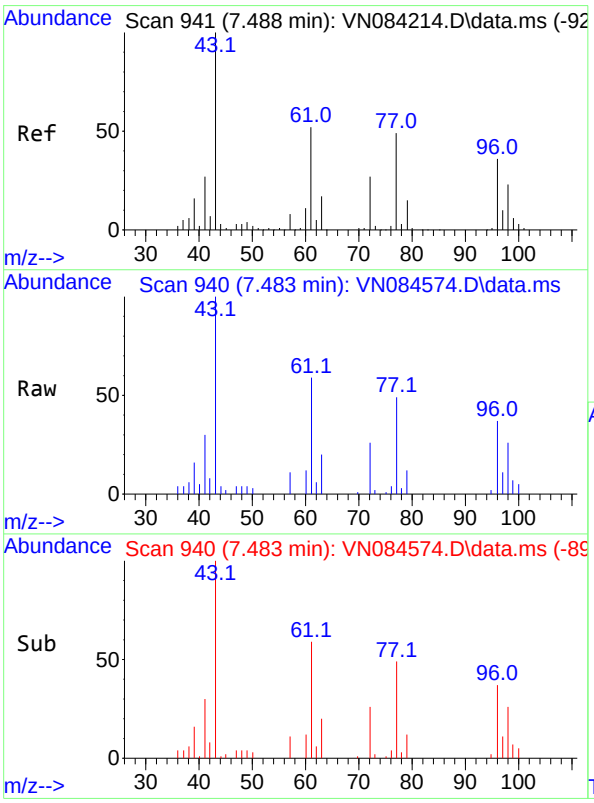
#25
2-Butanone
Concen: 27.452 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 31742

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.4	32.2

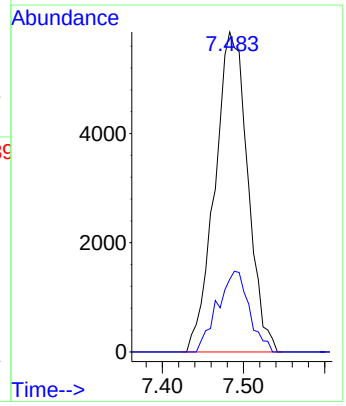


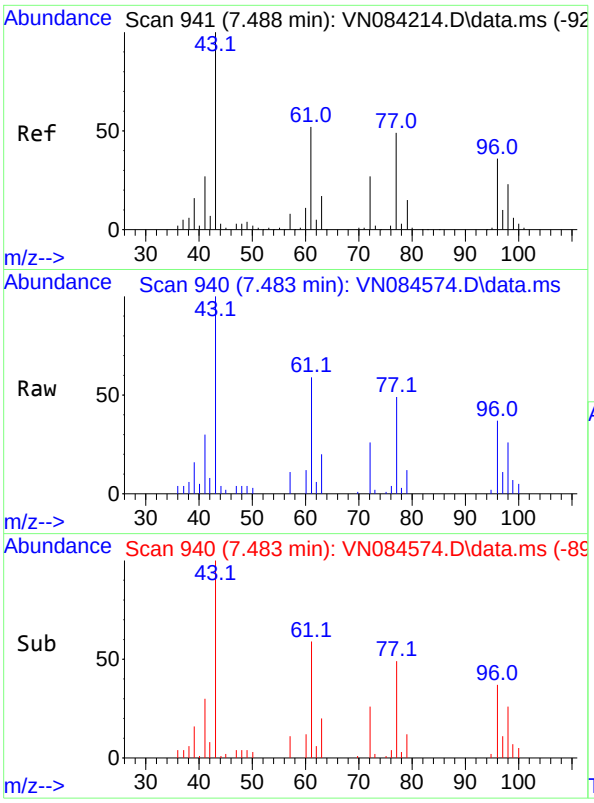


#26
2,2-Dichloropropane
Concen: 5.003 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 77 Resp: 16462

Ion	Ratio	Lower	Upper
77	100		
97	24.2	10.8	32.3



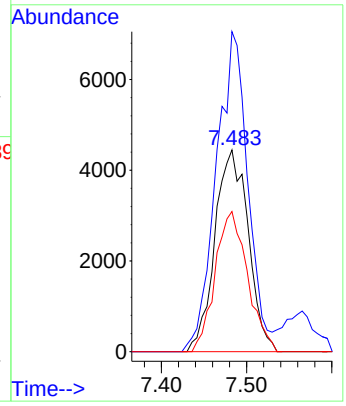


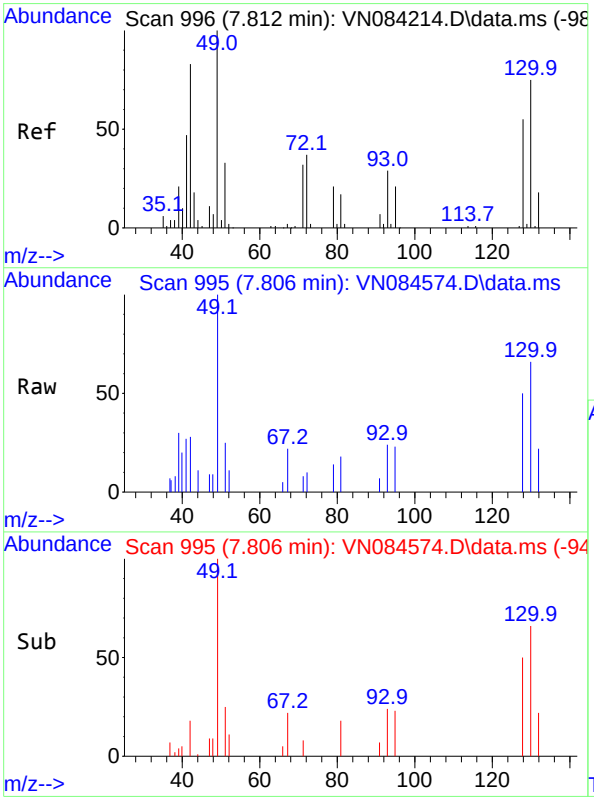
#27
cis-1,2-Dichloroethene
Concen: 5.167 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

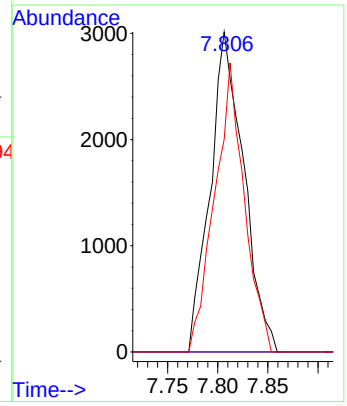


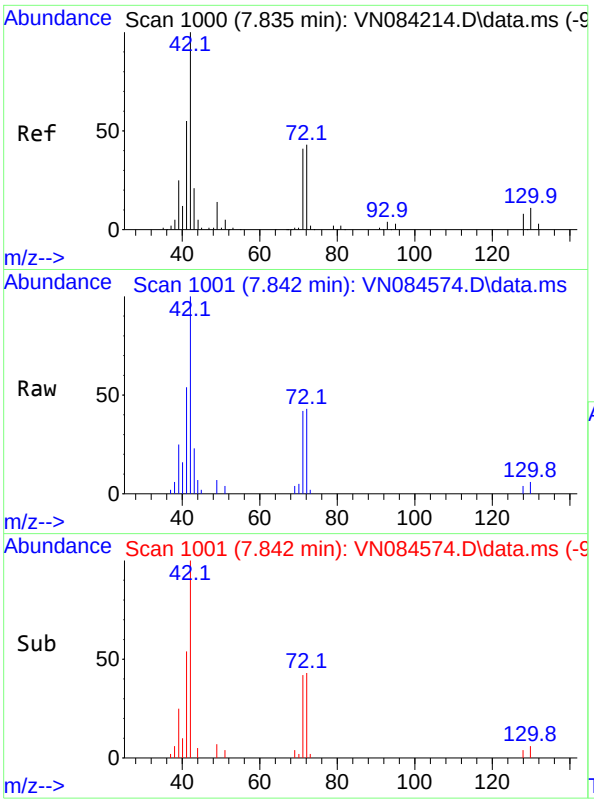


#28
Bromochloromethane
Concen: 4.649 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



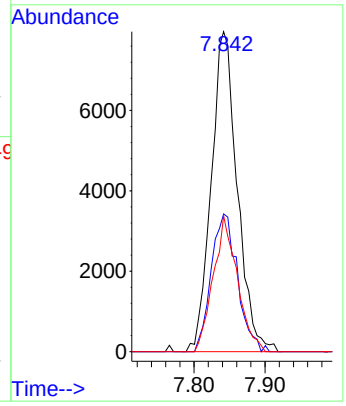


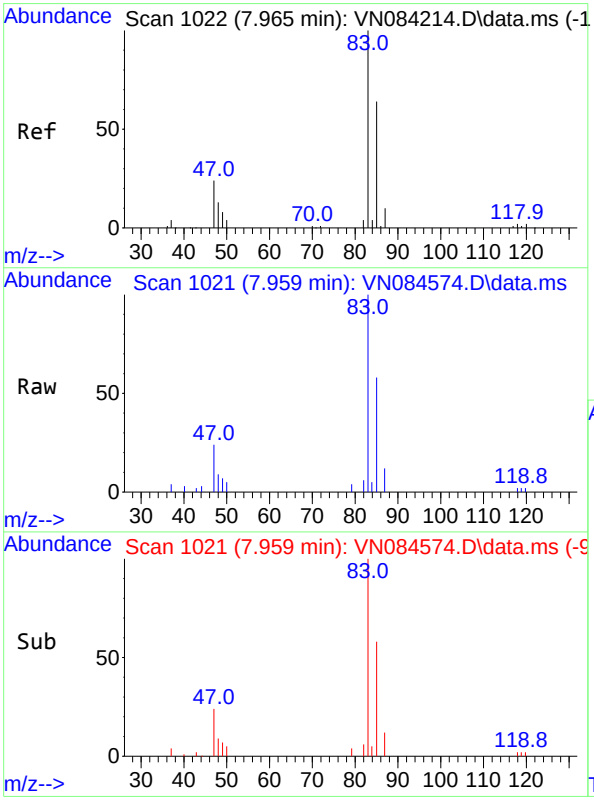
#29
Tetrahydrofuran
Concen: 26.385 ug/l
RT: 7.842 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

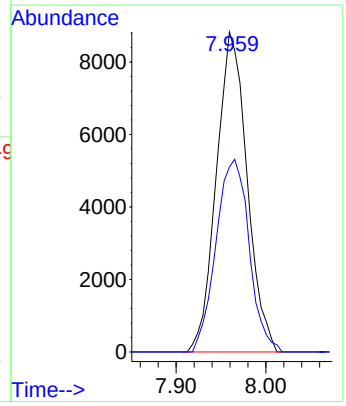


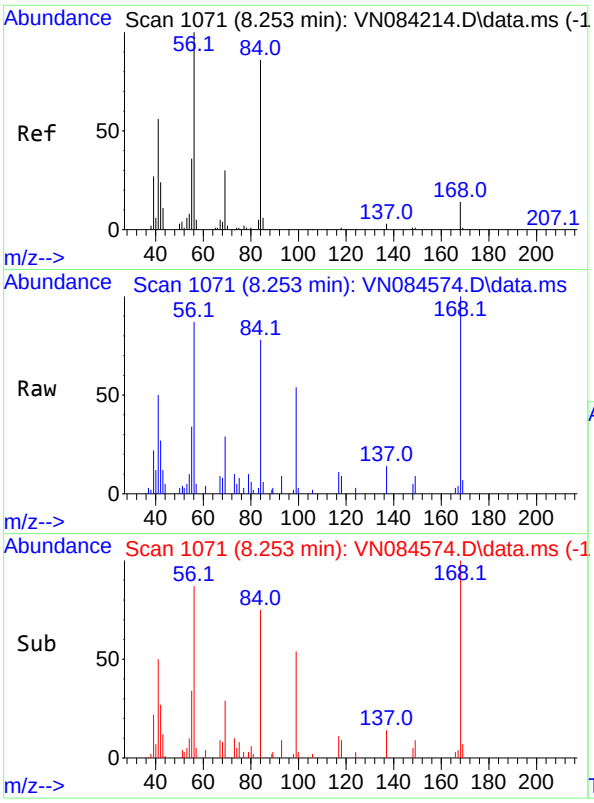


#30
Chloroform
Concen: 5.451 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 83 Resp: 20974

Ion	Ratio	Lower	Upper
83	100		
85	57.8	51.0	76.4



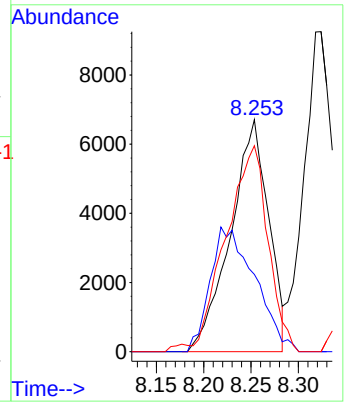


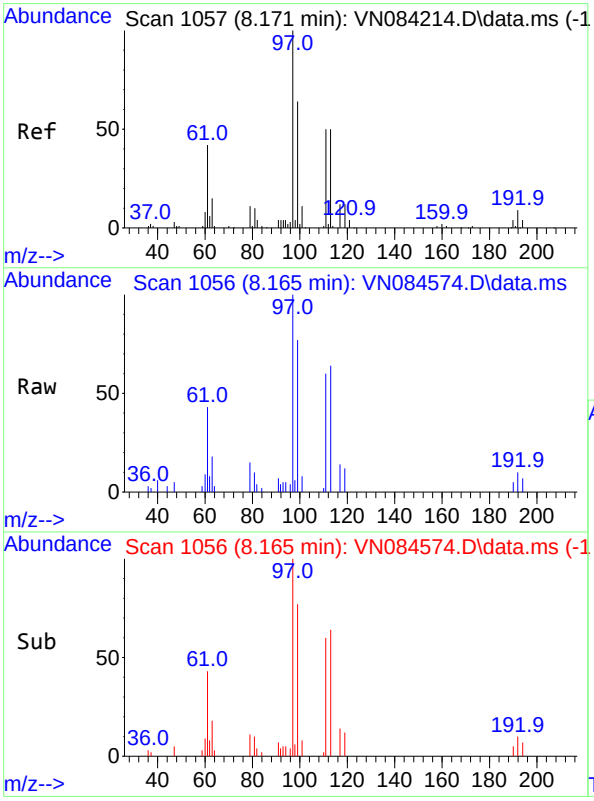
#31
Cyclohexane
Concen: 5.480 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

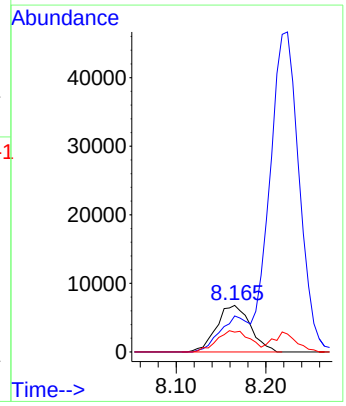


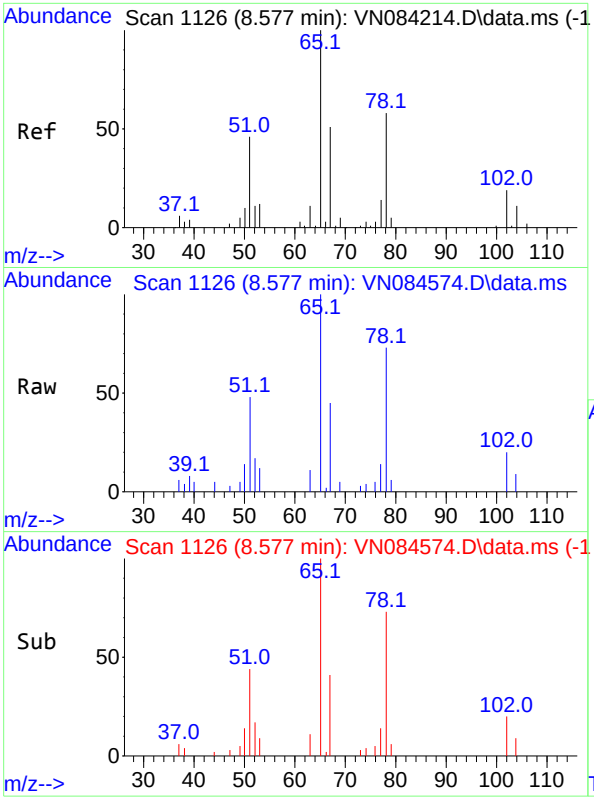


#32
1,1,1-Trichloroethane
Concen: 5.059 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



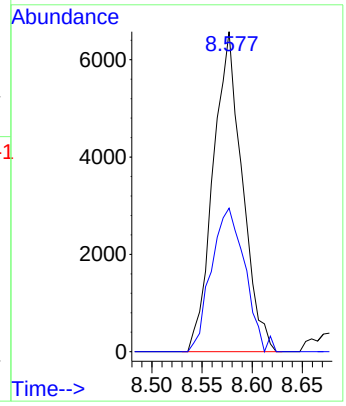


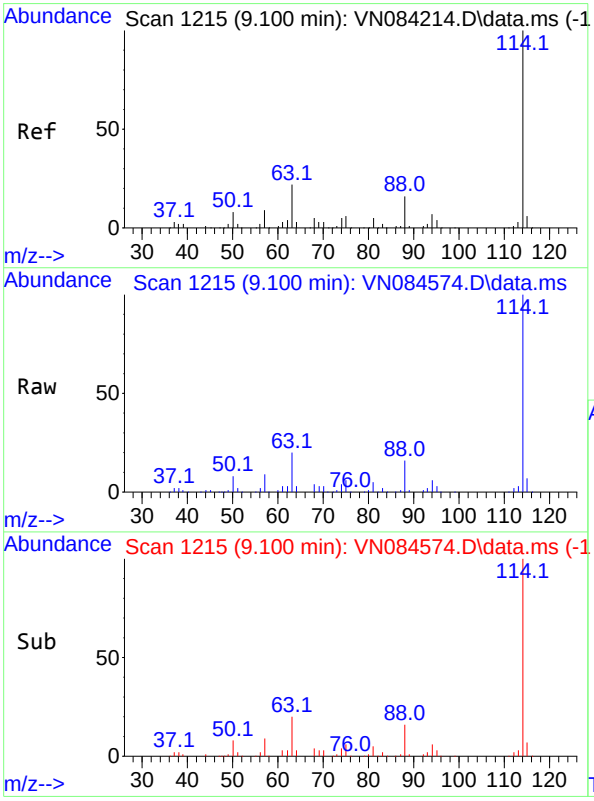
#33
1,2-Dichloroethane-d4
Concen: 5.337 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 13227

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

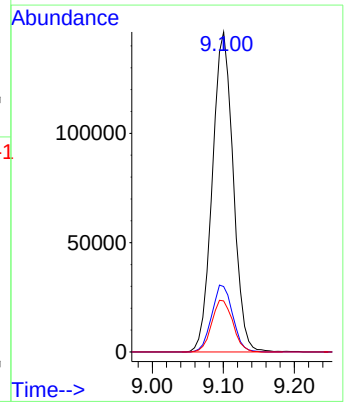


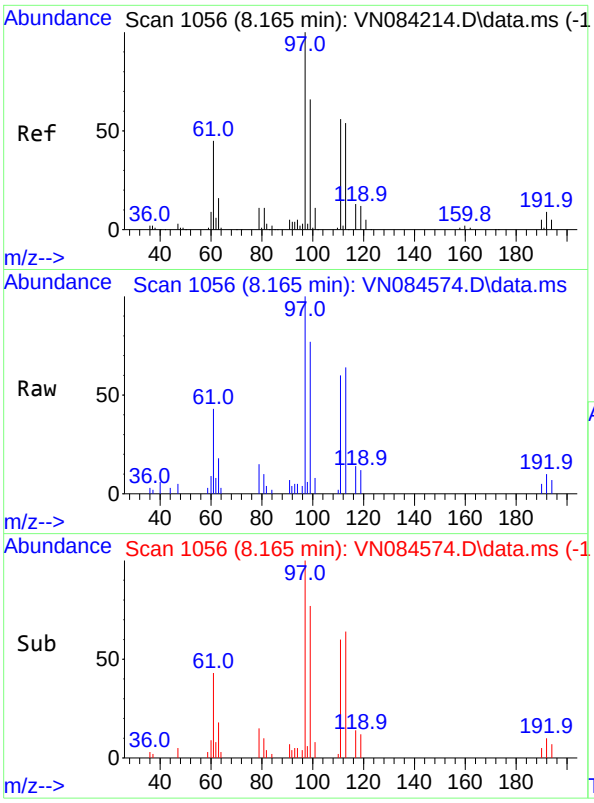


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



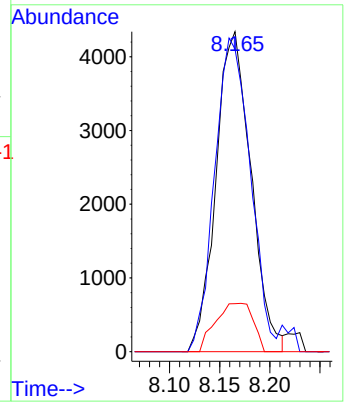


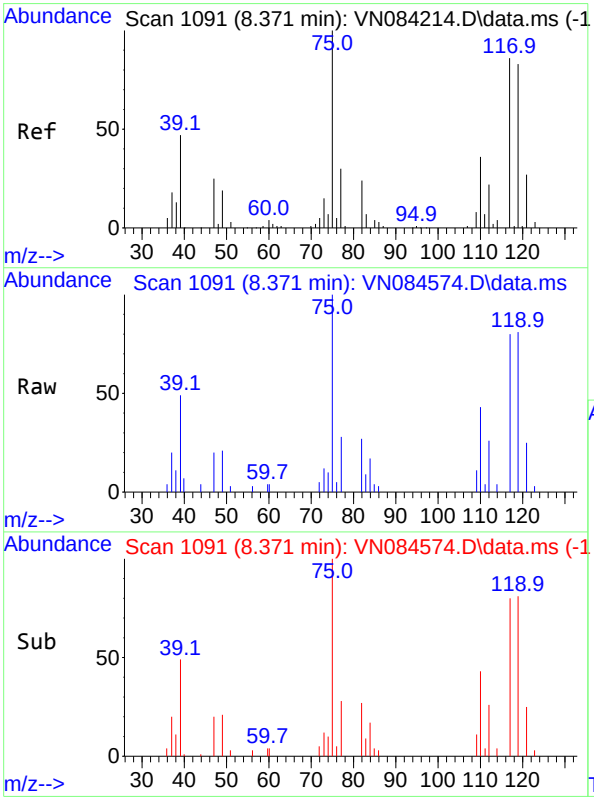
#35
Dibromofluoromethane
Concen: 5.215 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

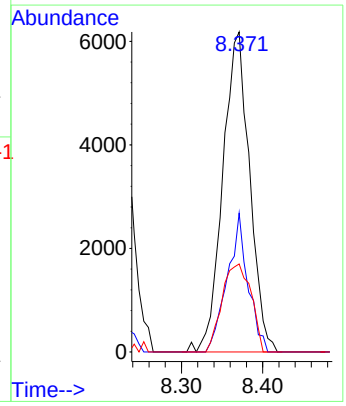


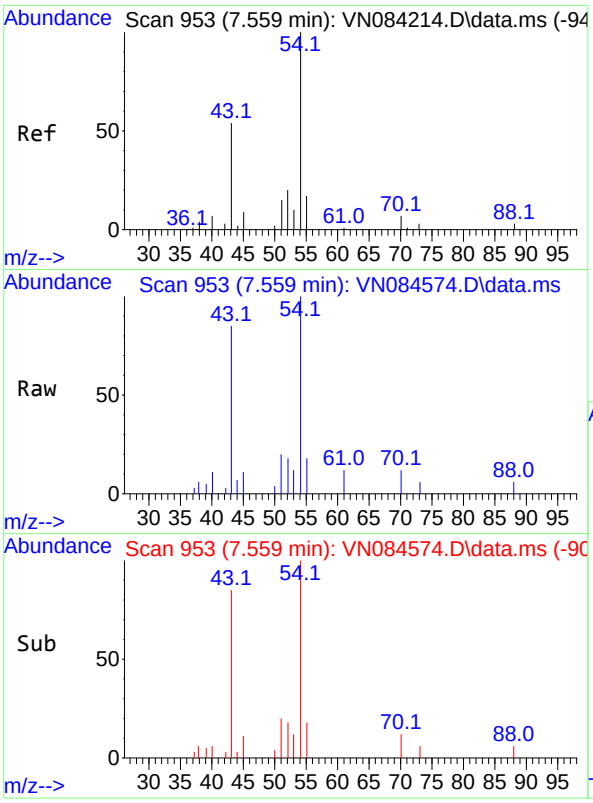


#36
1,1-Dichloropropene
Concen: 5.077 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



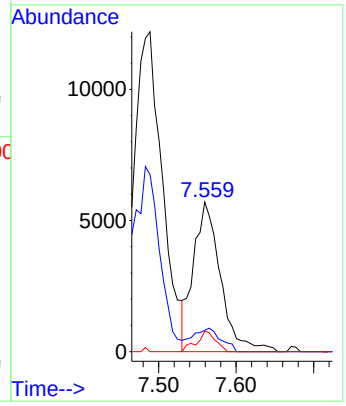


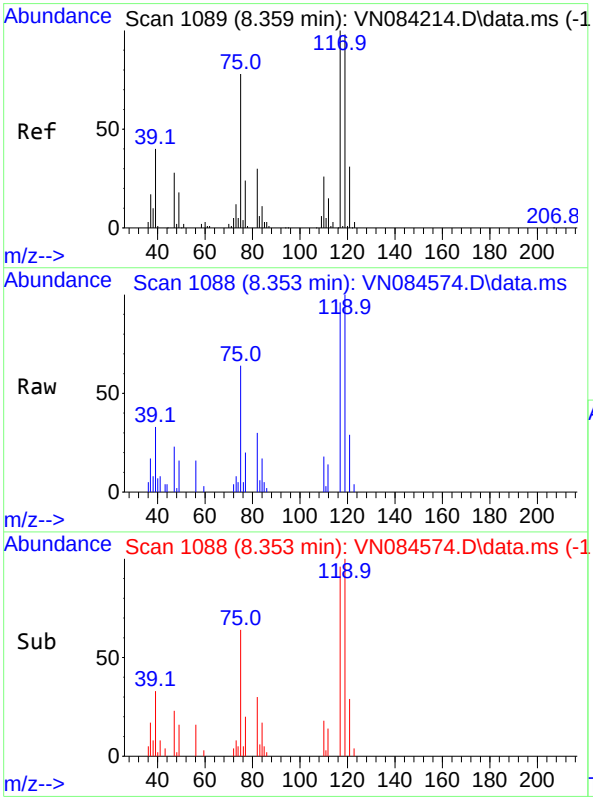
#37
Ethyl Acetate
Concen: 5.474 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

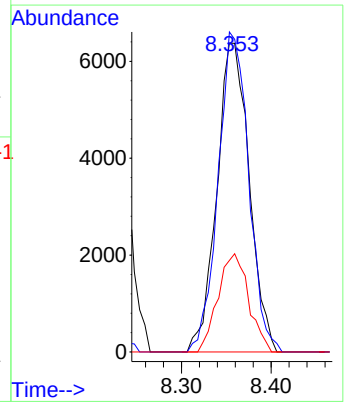


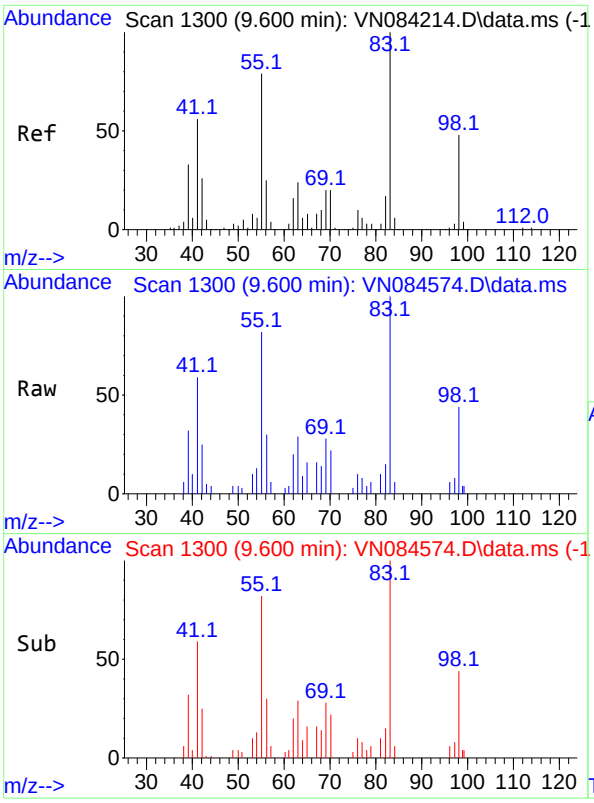


#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



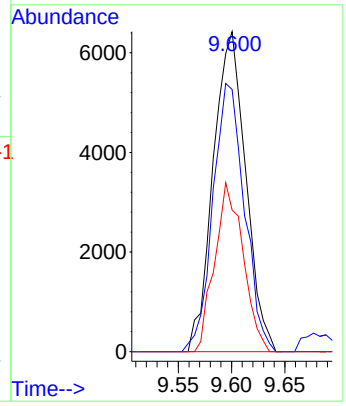


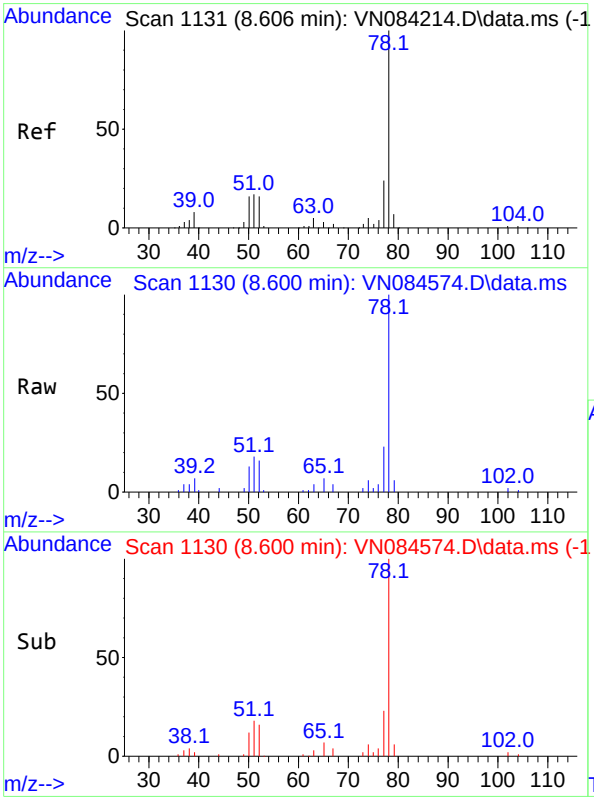
#39
Methylcyclohexane
Concen: 4.791 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

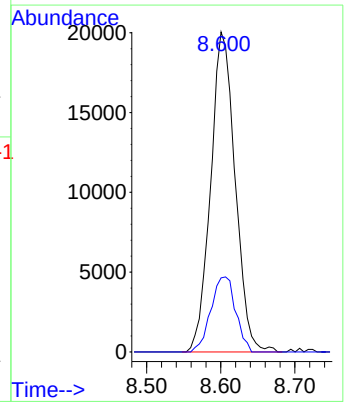


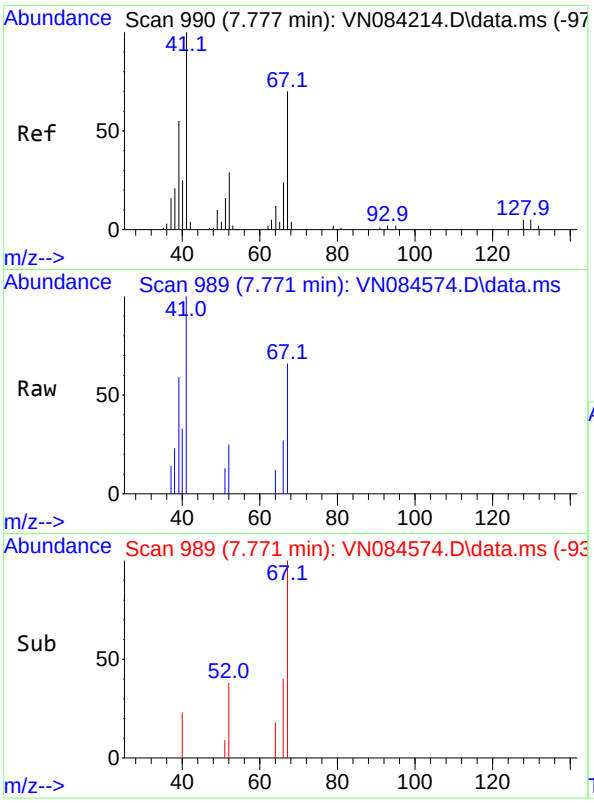


#40
Benzene
Concen: 5.129 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 78 Resp: 46044

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



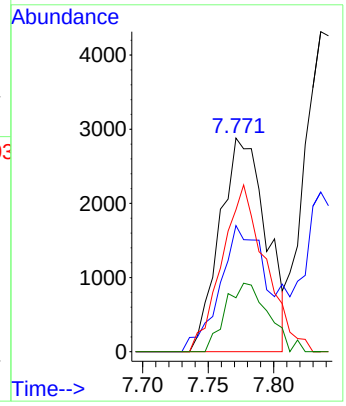


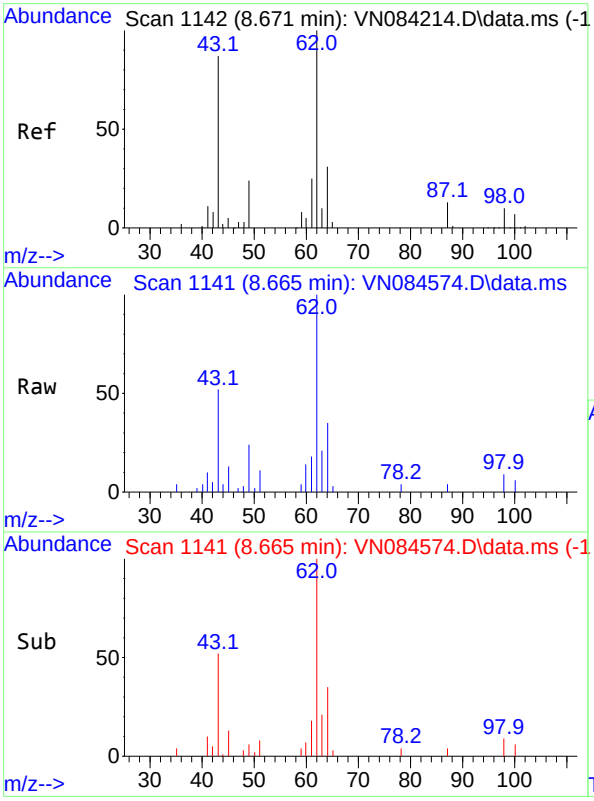
#41
Methacrylonitrile
Concen: 5.199 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

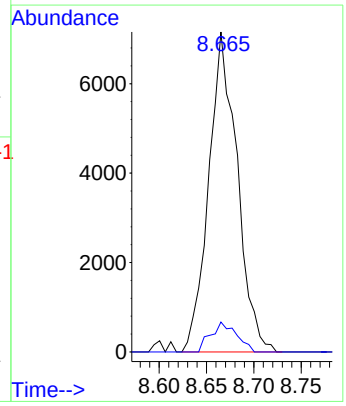


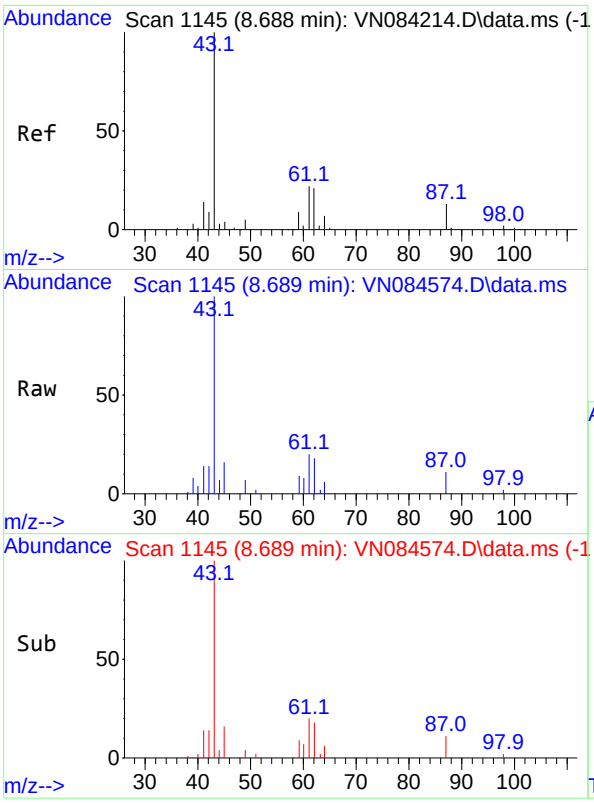


#42
1,2-Dichloroethane
Concen: 5.150 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 62 Resp: 14972

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



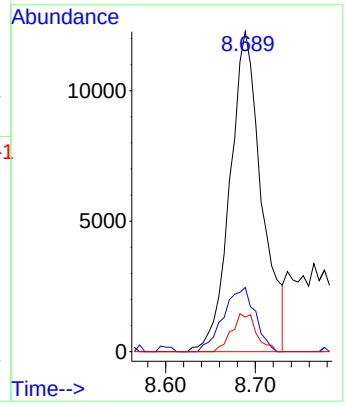


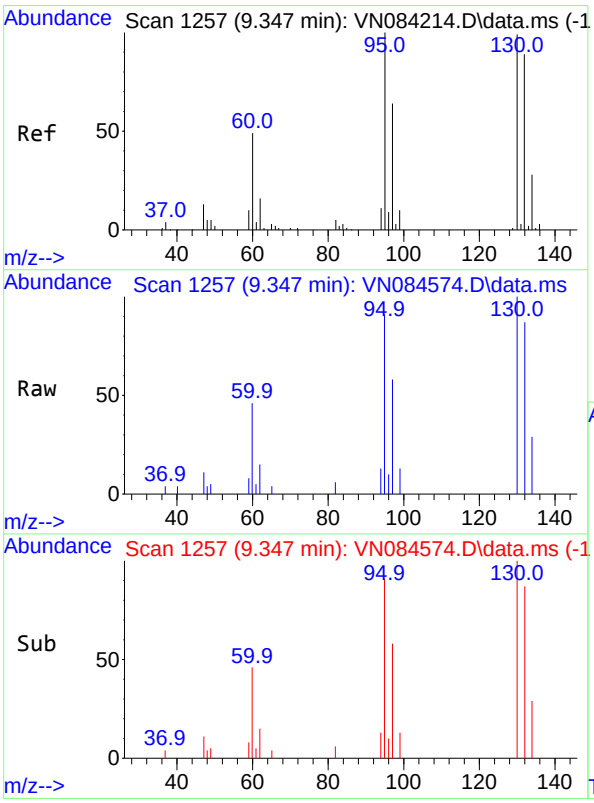
#43
Isopropyl Acetate
Concen: 5.554 ug/l
RT: 8.689 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#

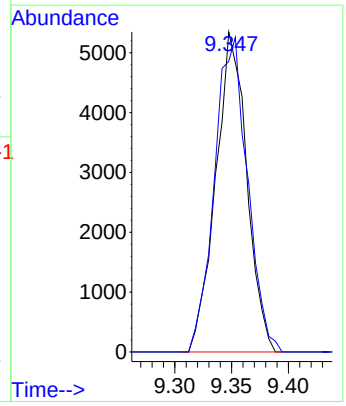


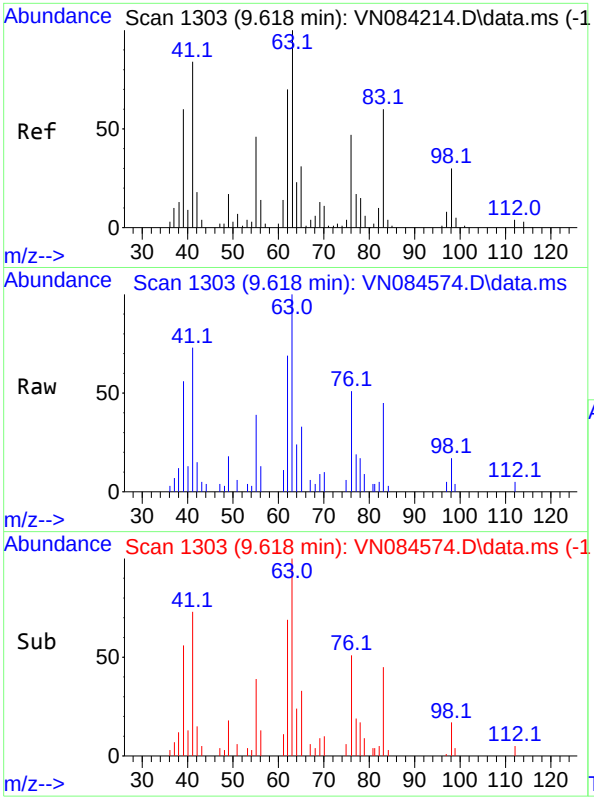


#44
Trichloroethene
Concen: 4.911 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:130 Resp: 10168

Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	203.0



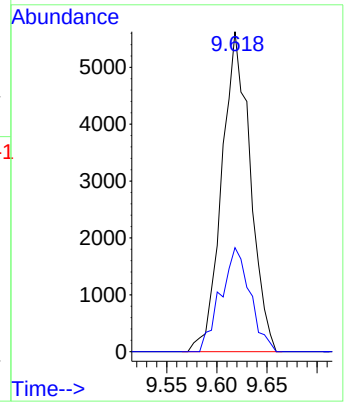


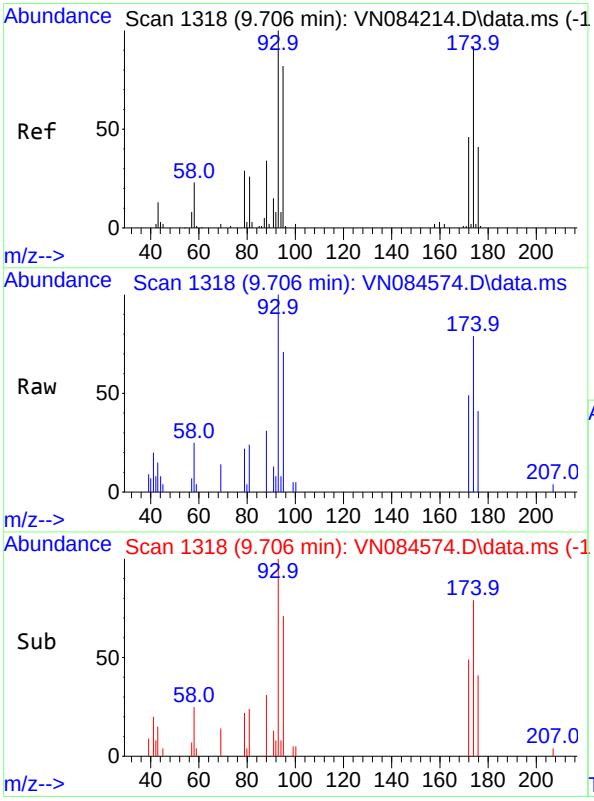
#45
1,2-Dichloropropane
Concen: 5.269 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 11095

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

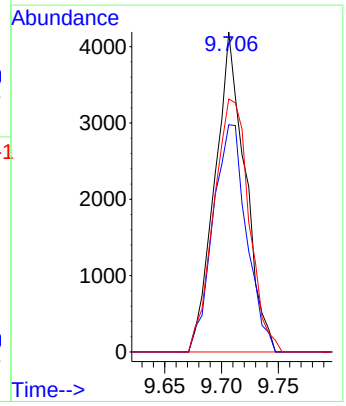


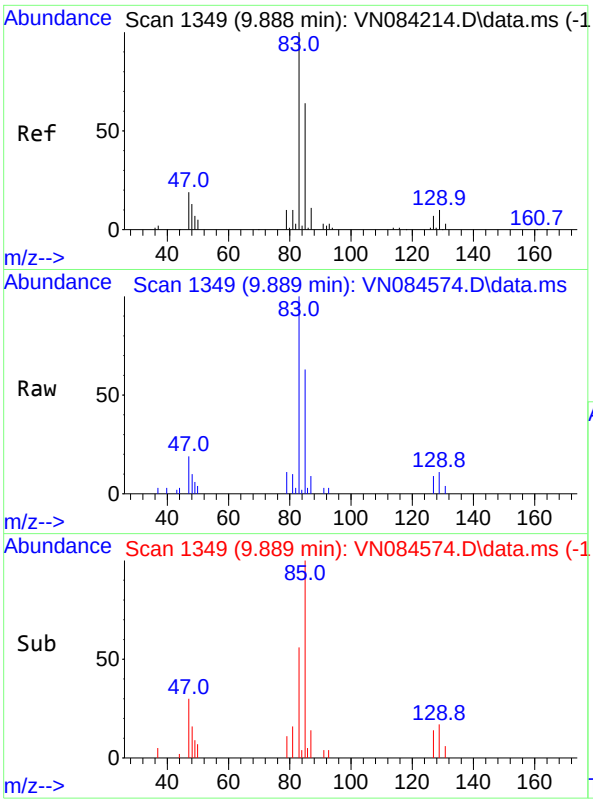


#46
Dibromomethane
Concen: 5.217 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



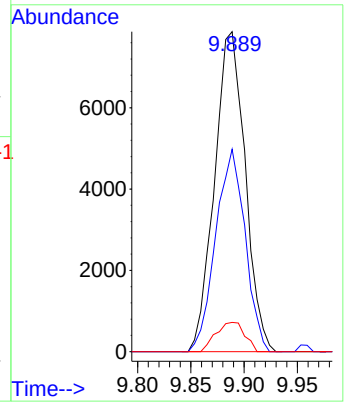


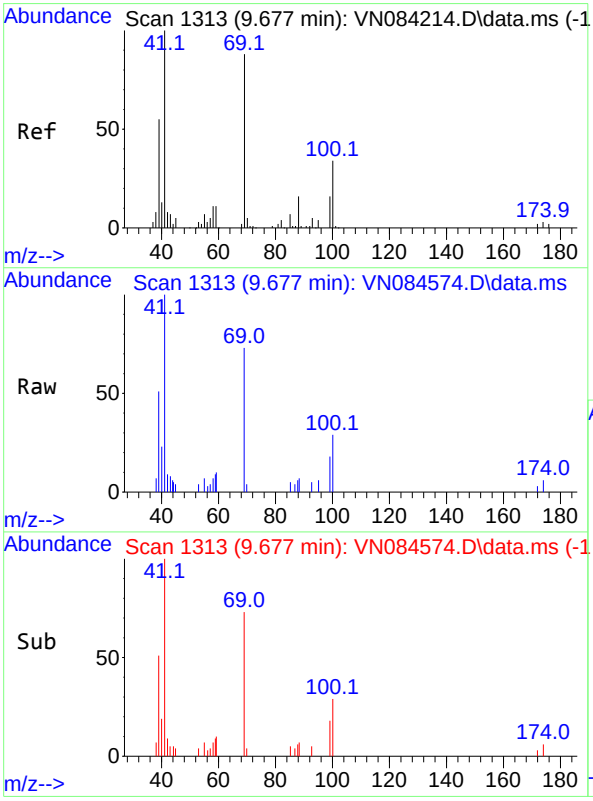
#47
Bromodichloromethane
Concen: 5.028 ug/l
RT: 9.889 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#

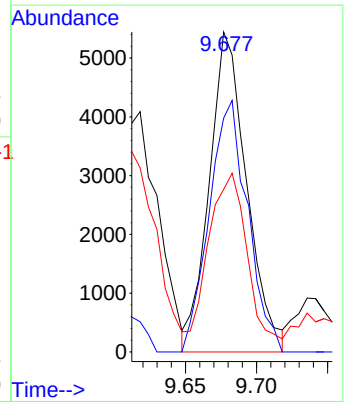


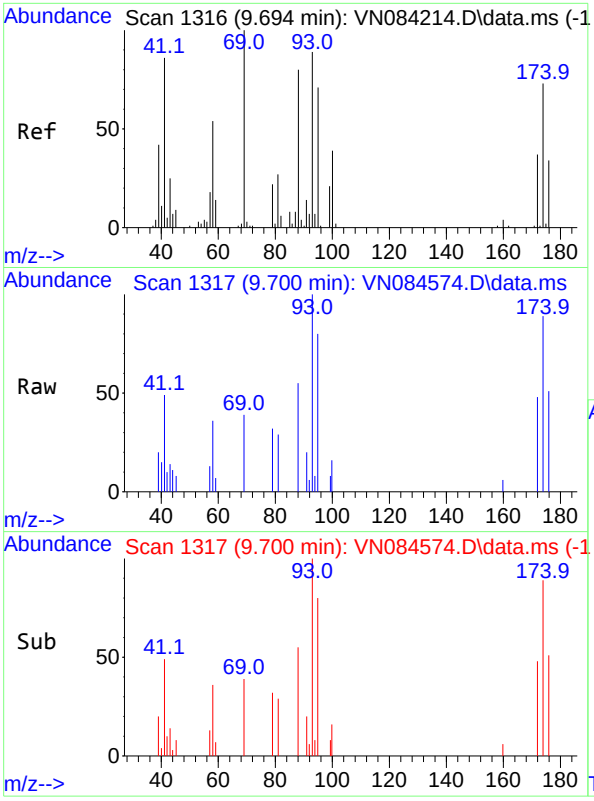


#48
Methyl methacrylate
Concen: 5.051 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



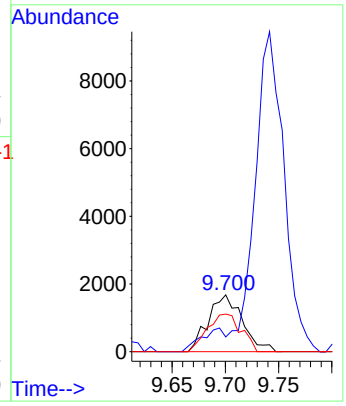


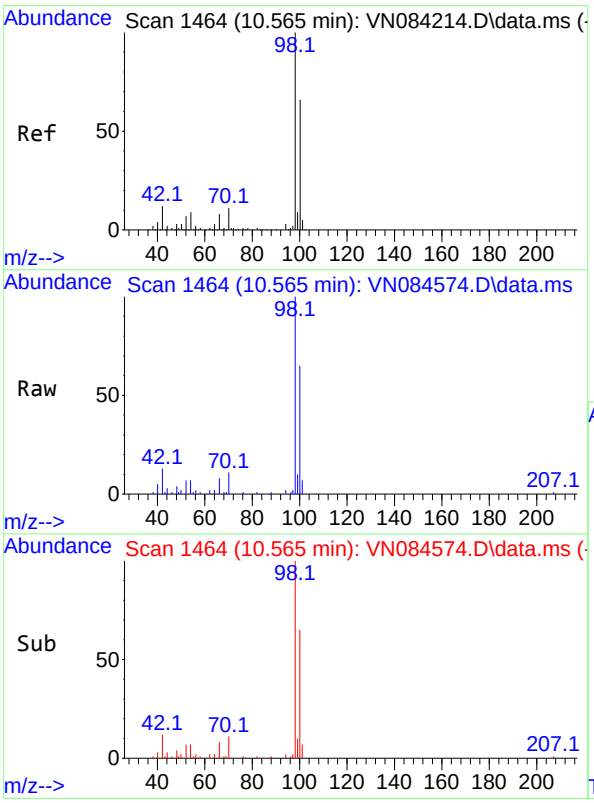
#49
1,4-Dioxane
Concen: 106.609 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

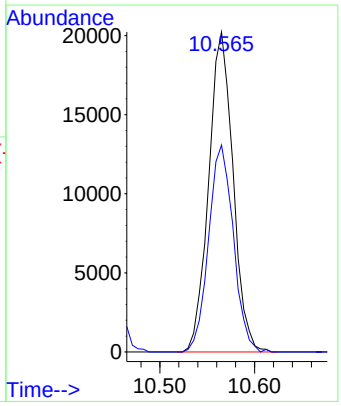


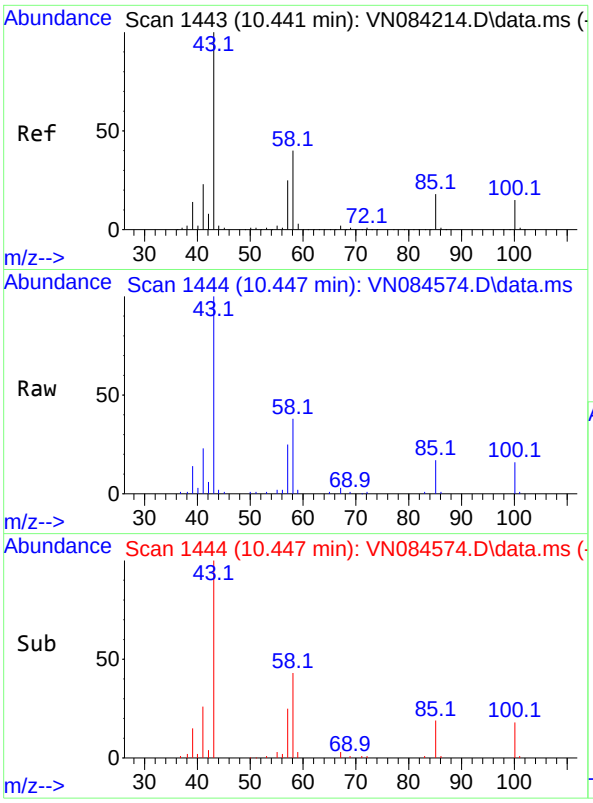


#50
Toluene-d8
Concen: 4.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 98 Resp: 36225

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1



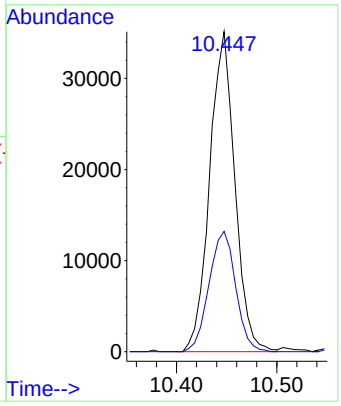


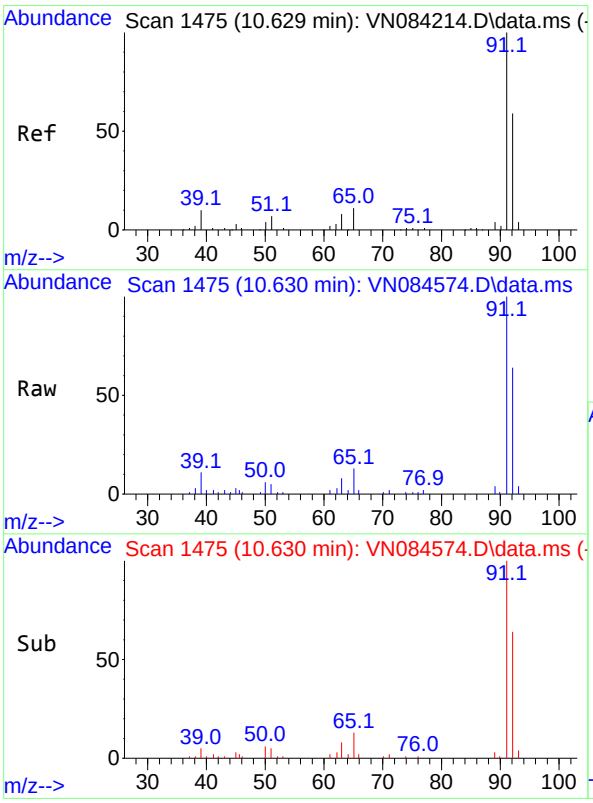
#51
4-Methyl-2-Pentanone
Concen: 25.367 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 61332

Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.6	47.4

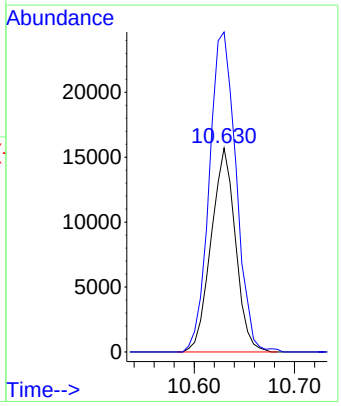


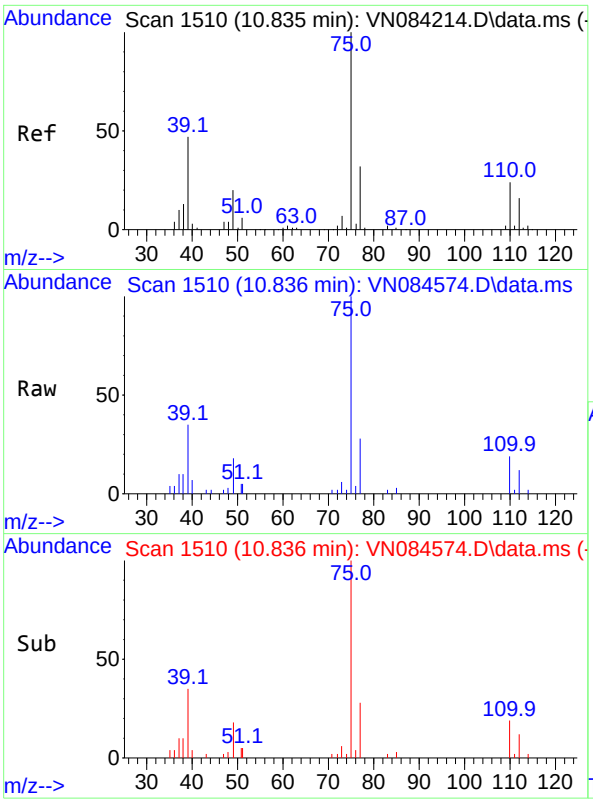


#52
Toluene
Concen: 5.051 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 92 Resp: 26518

Ion	Ratio	Lower	Upper
92	100		
91	172.5	137.3	205.9



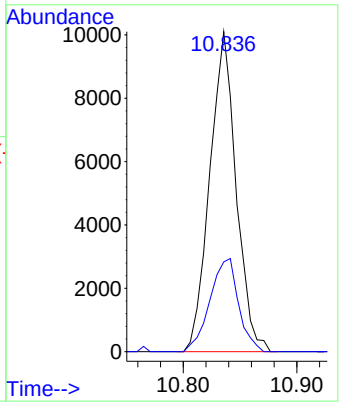


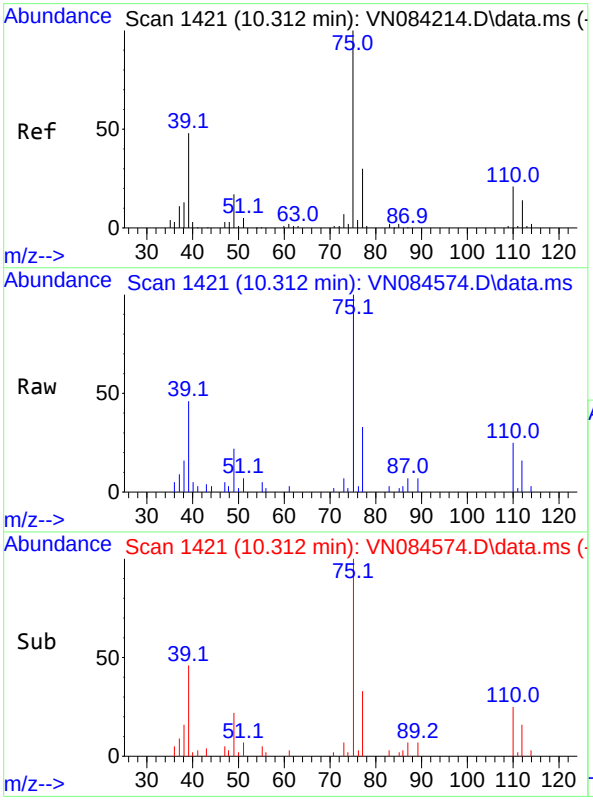
#53
t-1,3-Dichloropropene
Concen: 5.021 ug/l
RT: 10.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 16279

Ion	Ratio	Lower	Upper
75	100		
77	28.0	25.4	38.0

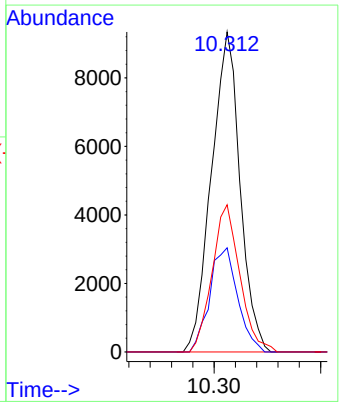


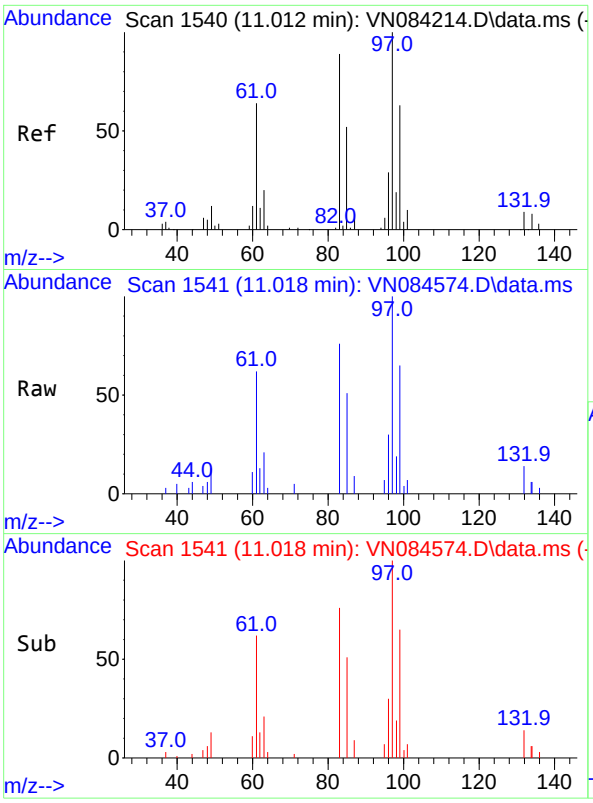


#54
cis-1,3-Dichloropropene
Concen: 5.069 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



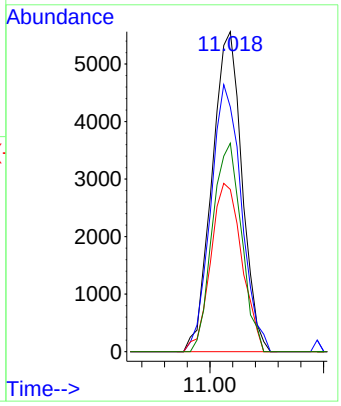


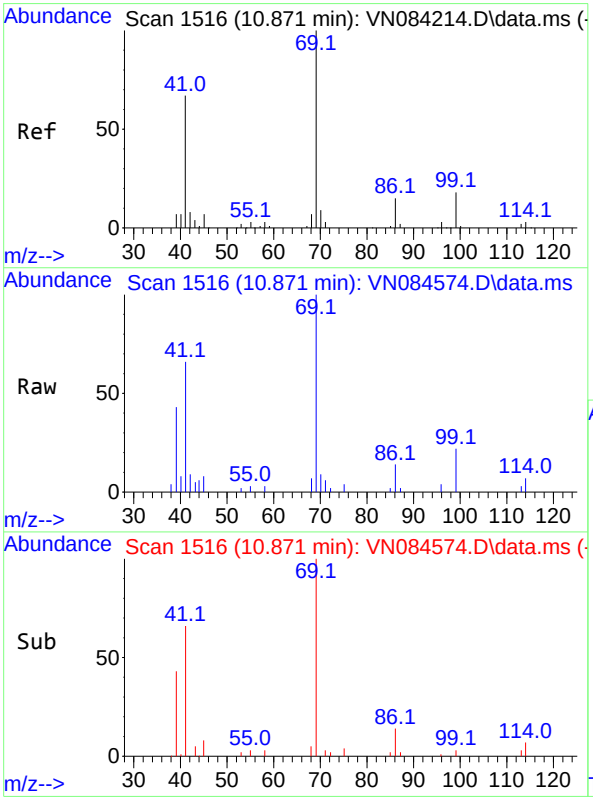
#55
1,1,2-Trichloroethane
Concen: 5.154 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

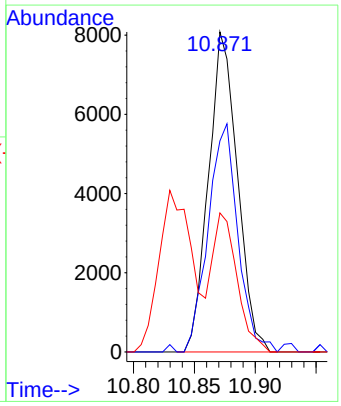


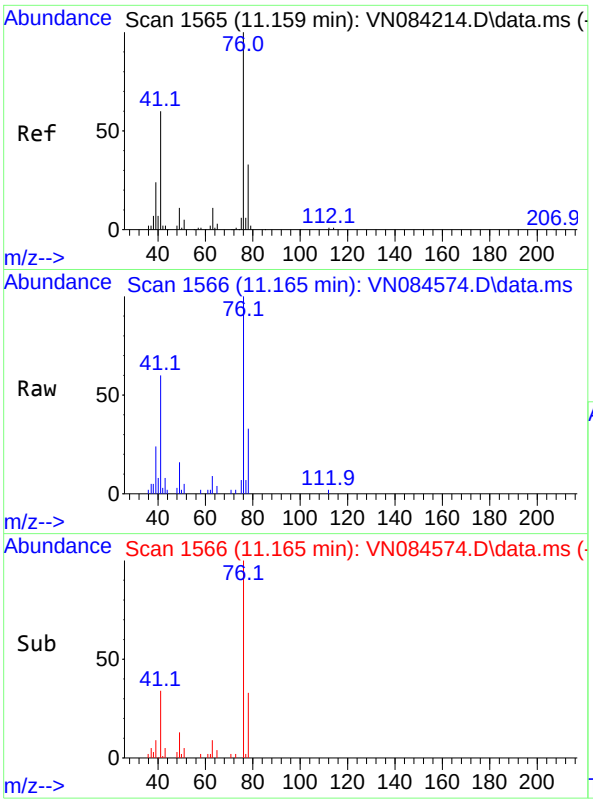


#56
Ethyl methacrylate
Concen: 4.671 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



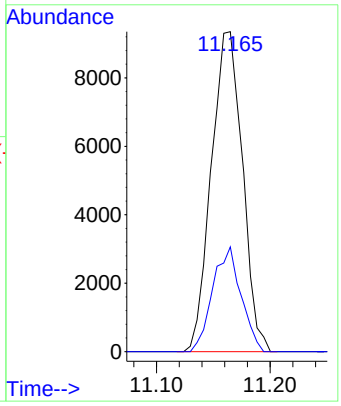


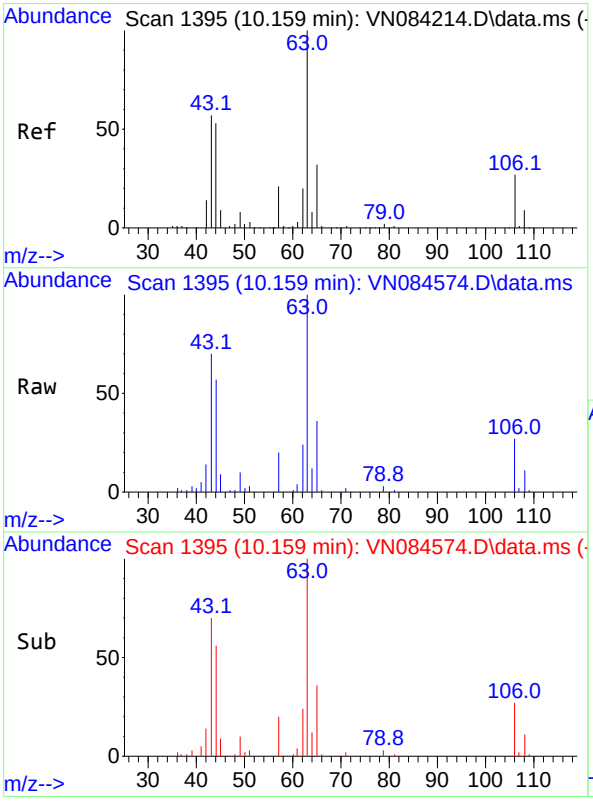
#57
1,3-Dichloropropane
Concen: 5.249 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 17816

Ion	Ratio	Lower	Upper
76	100		
78	29.8	25.8	38.6

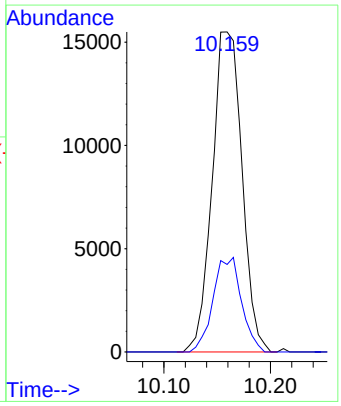


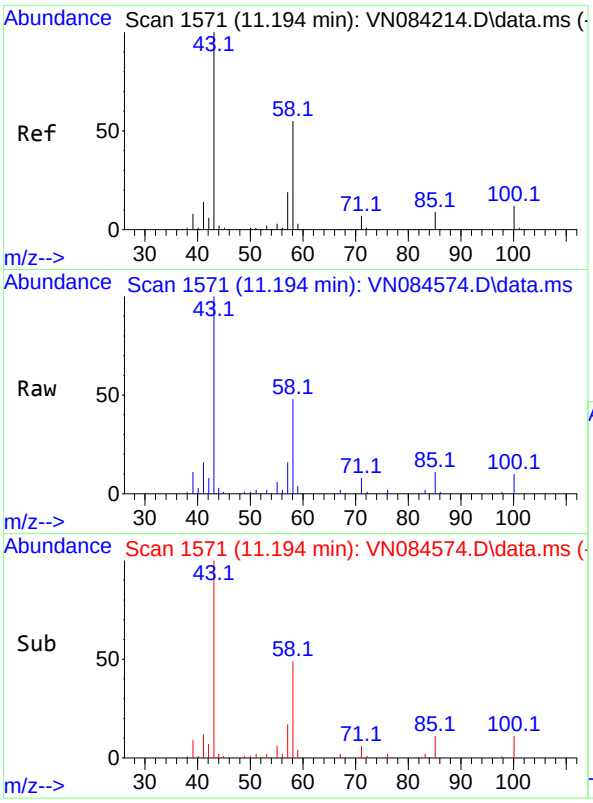


#58
2-Chloroethyl Vinyl ether
Concen: 22.477 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 63 Resp: 30088

Ion	Ratio	Lower	Upper
63	100		
106	28.1	21.8	32.6



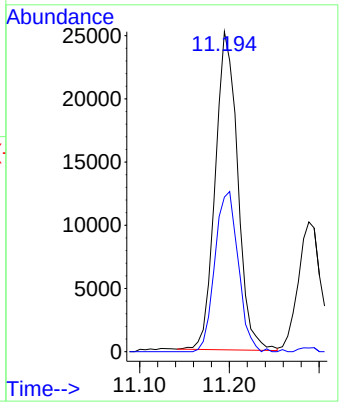


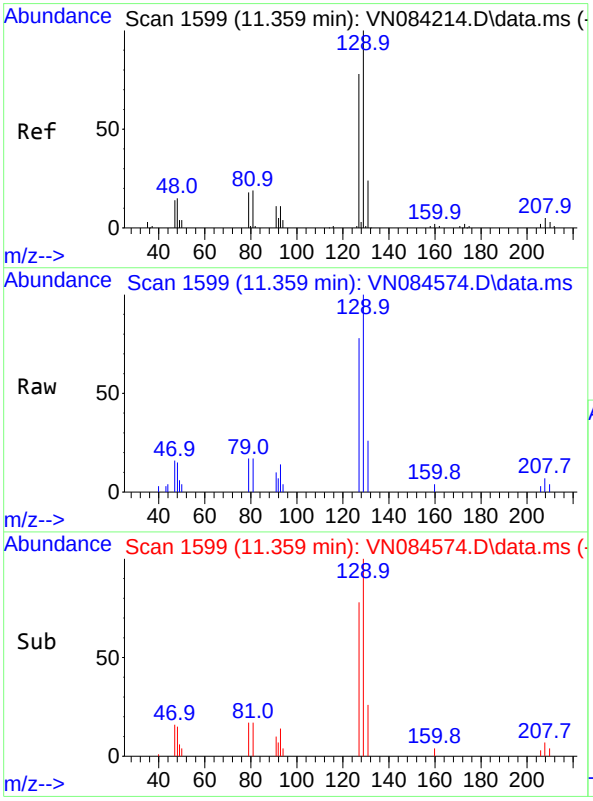
#59
2-Hexanone
Concen: 24.860 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 43750

Ion	Ratio	Lower	Upper
43	100		
58	52.3	27.3	81.8

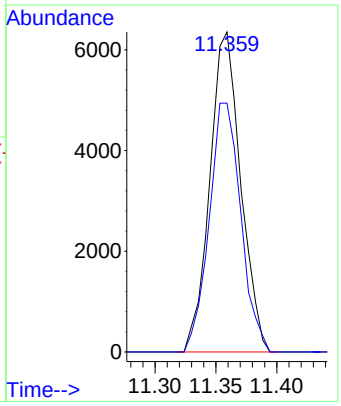


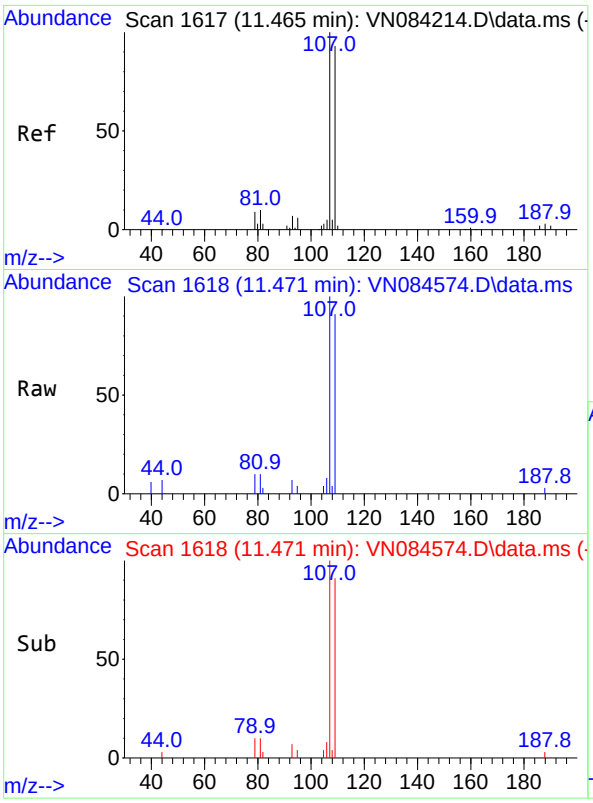


#60
Dibromochloromethane
Concen: 4.980 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:129 Resp: 11226

Ion	Ratio	Lower	Upper
129	100		
127	79.6	38.3	114.9



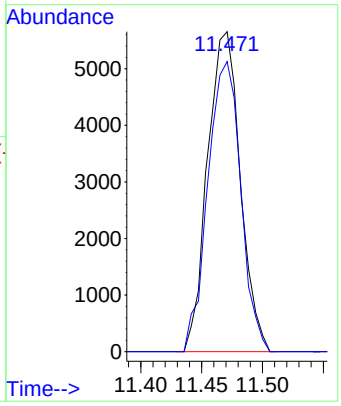


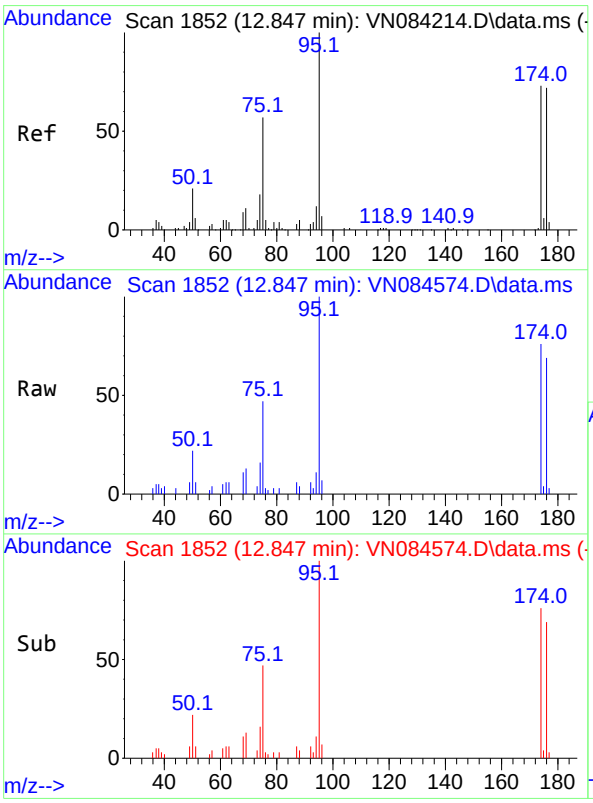
#61
1,2-Dibromoethane
Concen: 5.226 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 10584

Ion	Ratio	Lower	Upper
107	100		
109	91.2	75.4	113.0

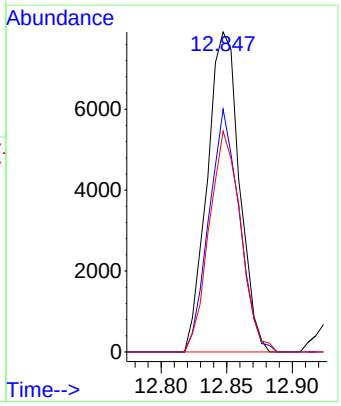


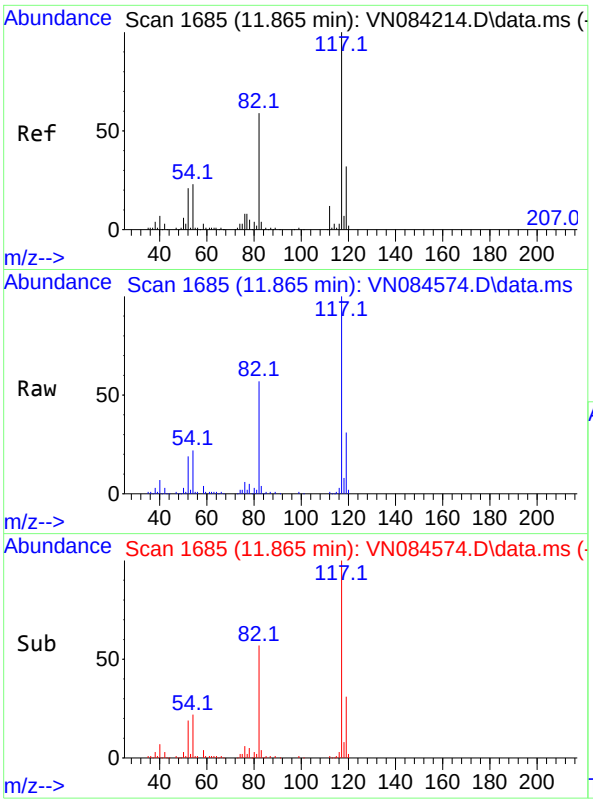


#62
4-Bromofluorobenzene
Concen: 4.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



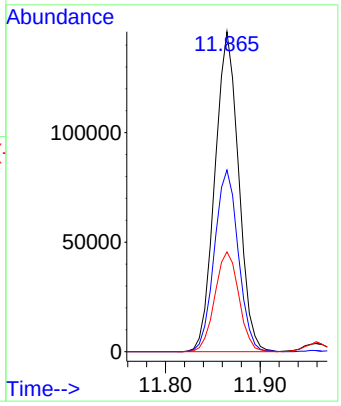


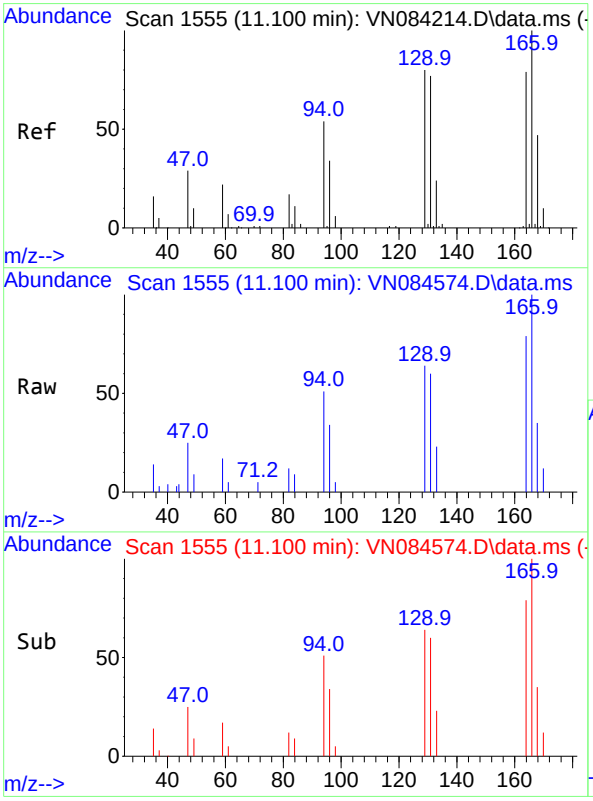
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

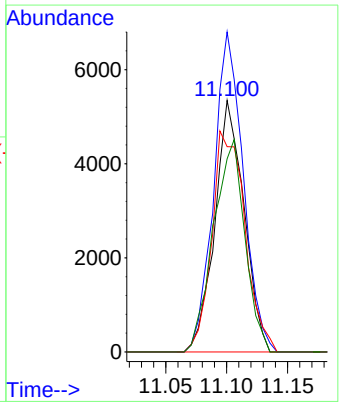


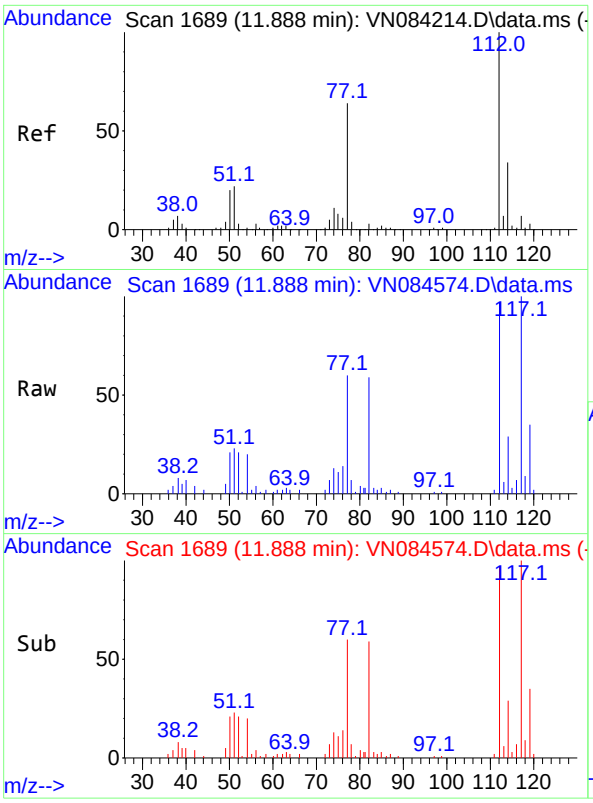


#64
Tetrachloroethene
Concen: 5.271 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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#



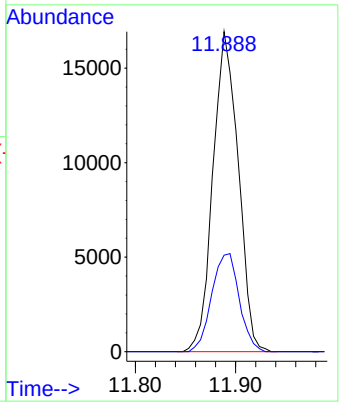


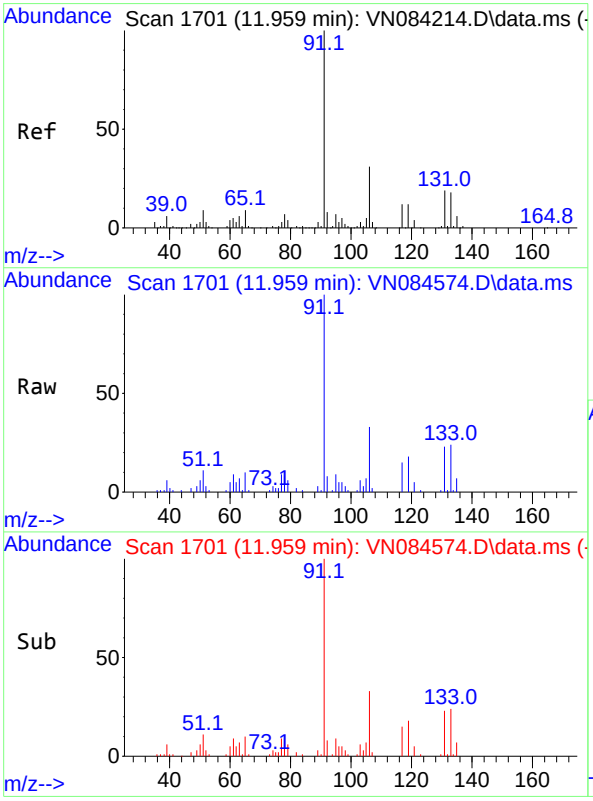
#65
Chlorobenzene
Concen: 5.205 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 29618

Ion	Ratio	Lower	Upper
112	100		
114	30.1	27.0	40.6

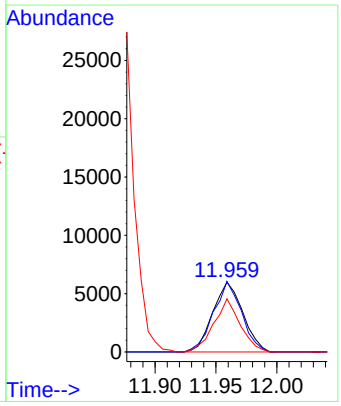


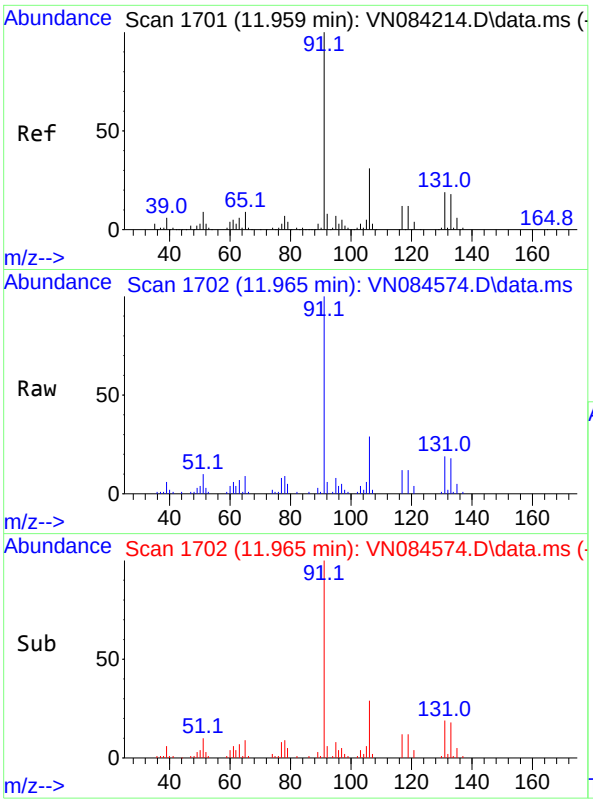


#66
1,1,1,2-Tetrachloroethane
Concen: 5.186 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



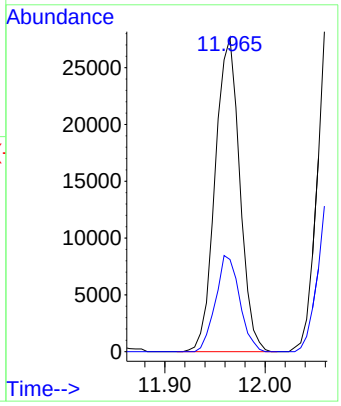


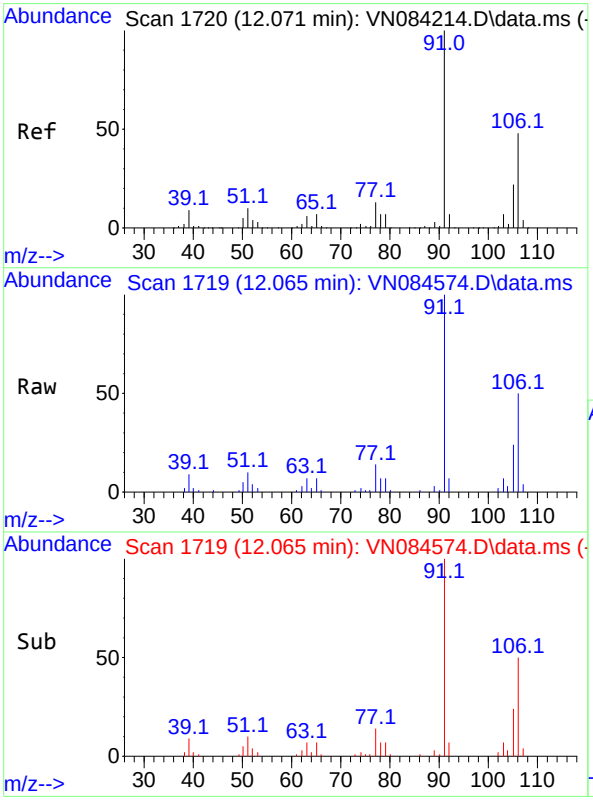
#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 47037

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.5	36.7

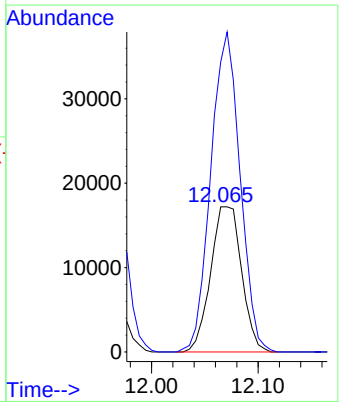


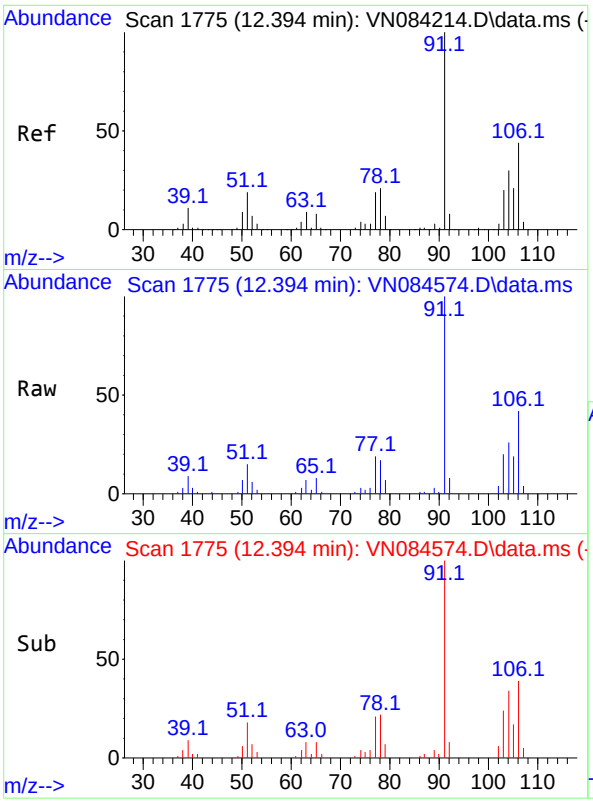


#68
m/p-Xylenes
Concen: 9.665 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:106 Resp: 34753

Ion	Ratio	Lower	Upper
106	100		
91	208.3	167.1	250.7



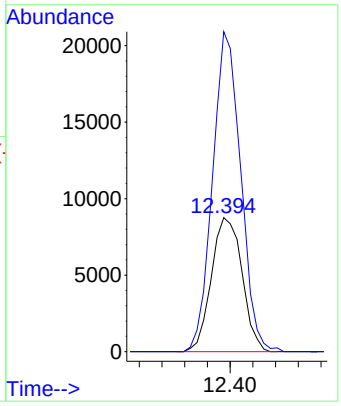


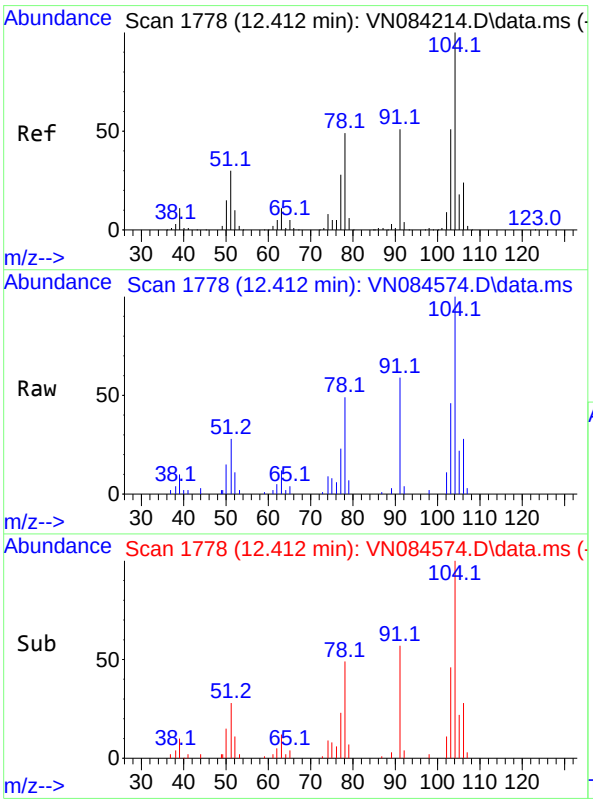
#69
o-Xylene
Concen: 4.873 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 16393

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.2	330.6

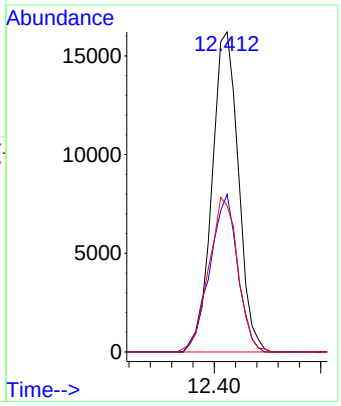


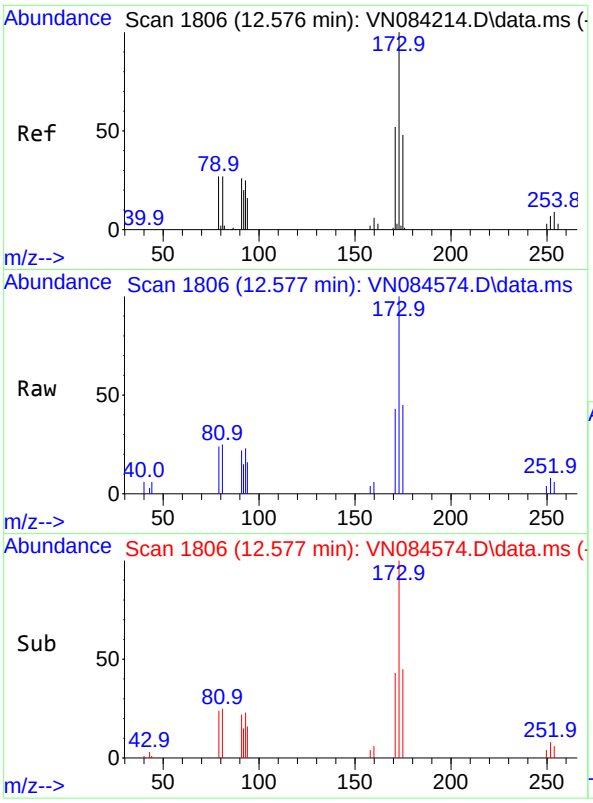


#70
Styrene
Concen: 4.739 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



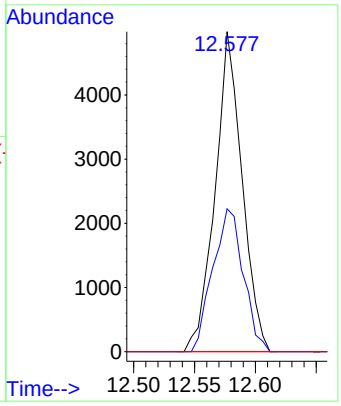


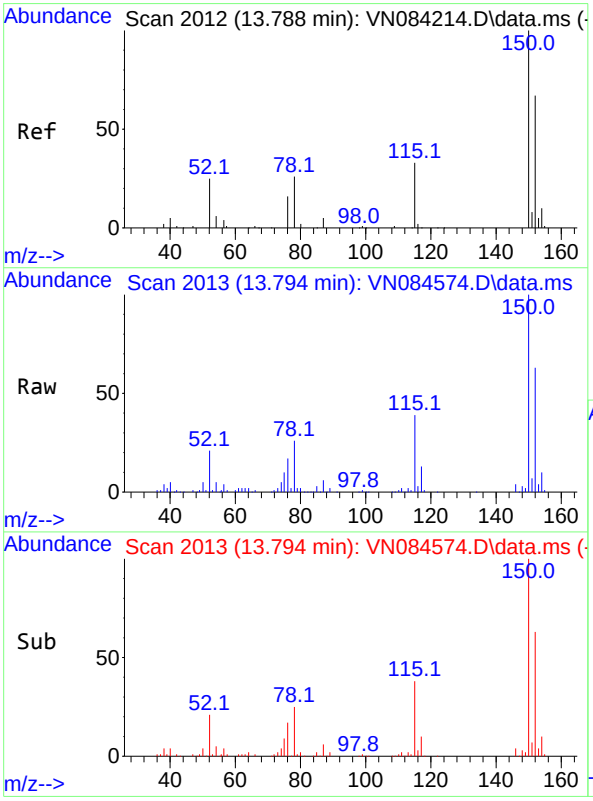
#71
Bromoform
Concen: 5.161 ug/l
RT: 12.577 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

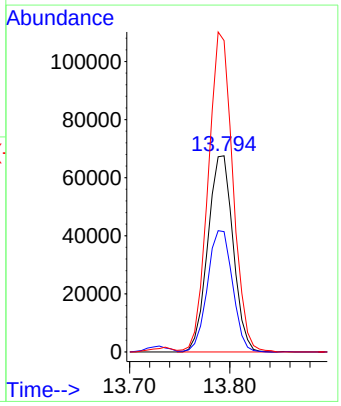


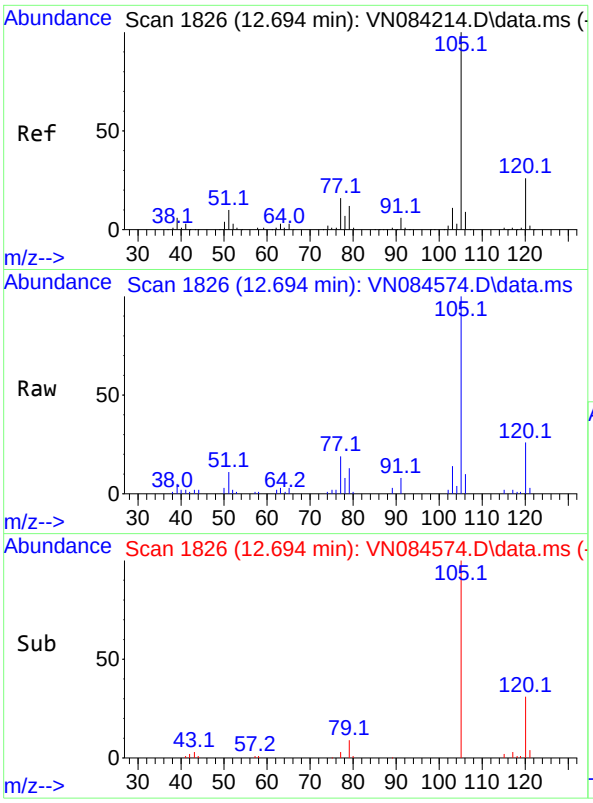


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



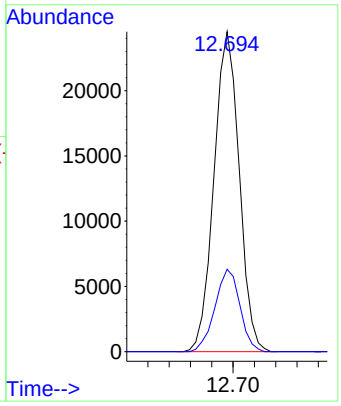


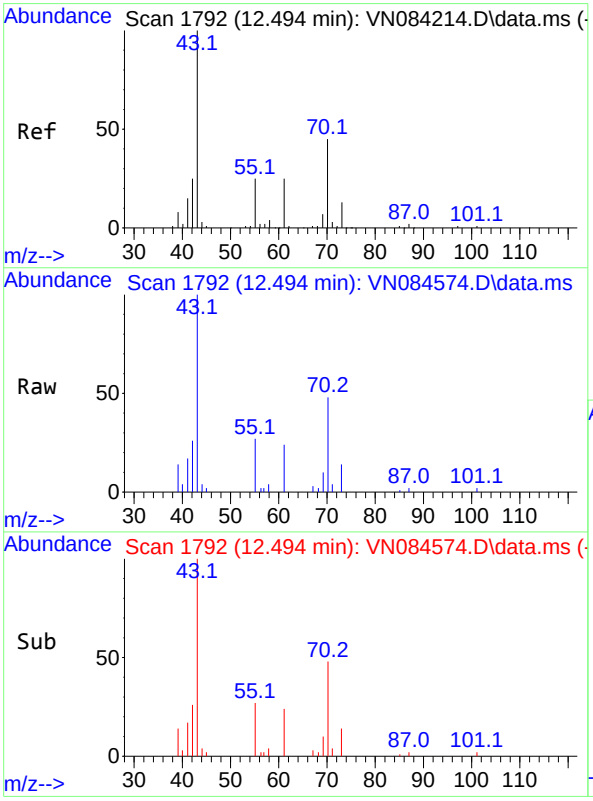
#73
Isopropylbenzene
Concen: 4.855 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 40223

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

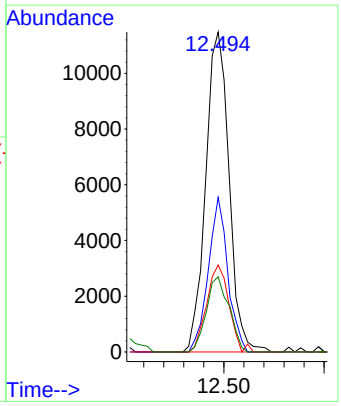


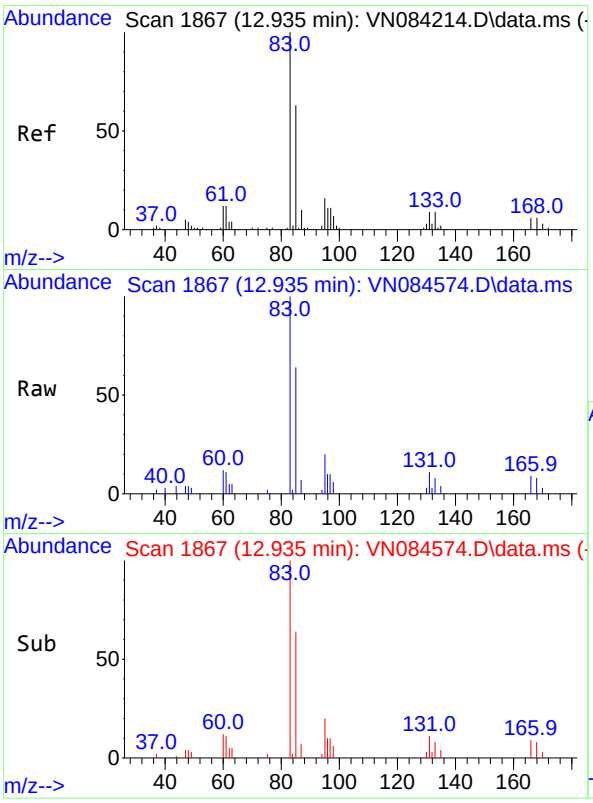


#74
N-amyl acetate
Concen: 5.270 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



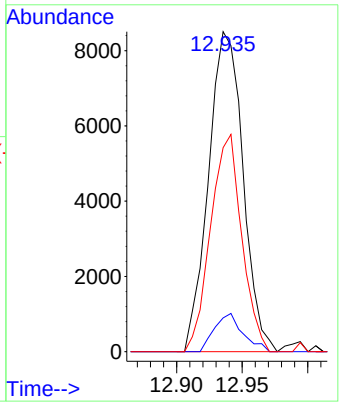


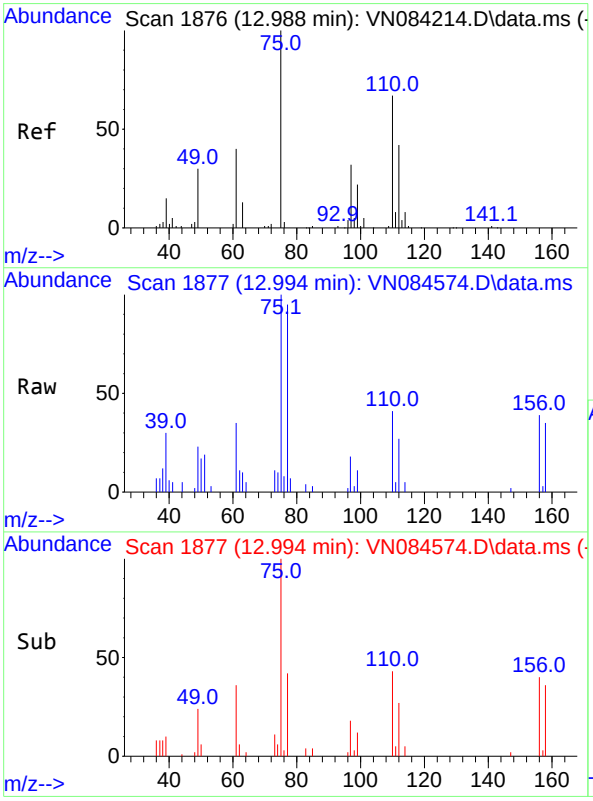
#75
1,1,2,2-Tetrachloroethane
Concen: 5.631 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

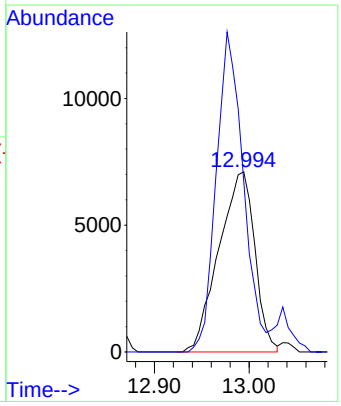


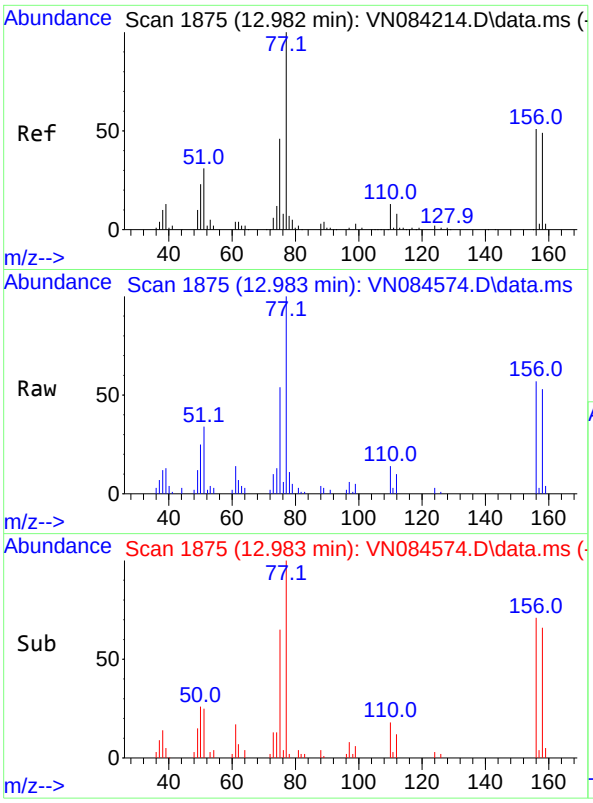


#76
1,2,3-Trichloropropane
Concen: 8.021 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 75 Resp: 18713

Ion	Ratio	Lower	Upper
75	100		
77	133.5	96.9	290.7



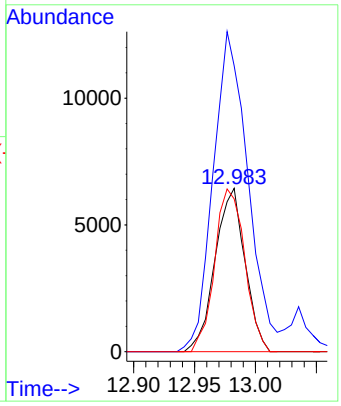


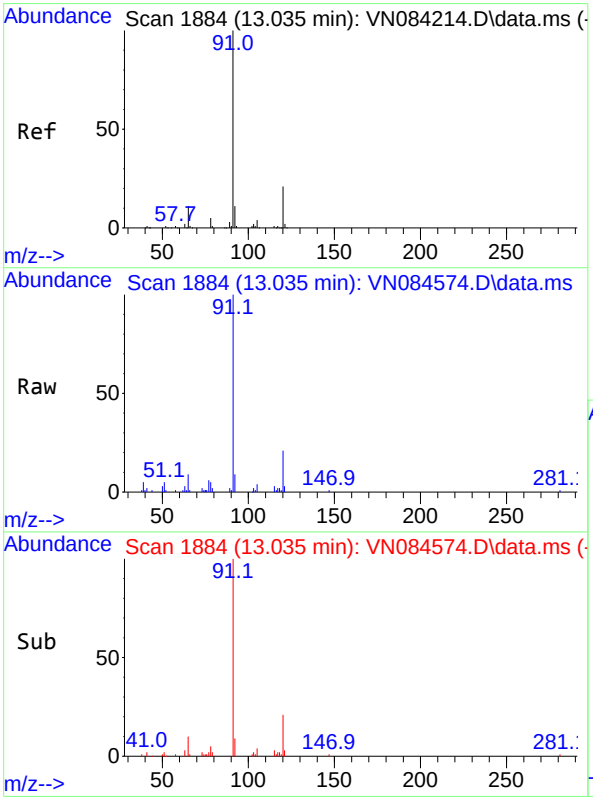
#77
Bromobenzene
Concen: 4.944 ug/l
RT: 12.983 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

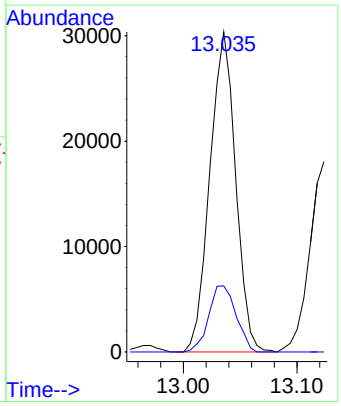


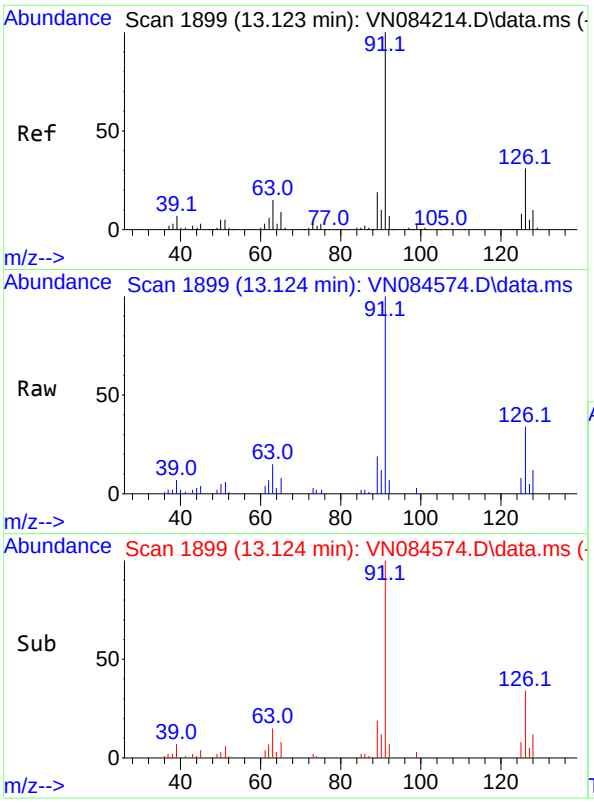


#78
n-propylbenzene
Concen: 4.921 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 47776

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.8	32.4



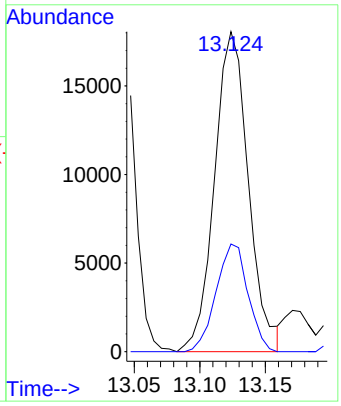


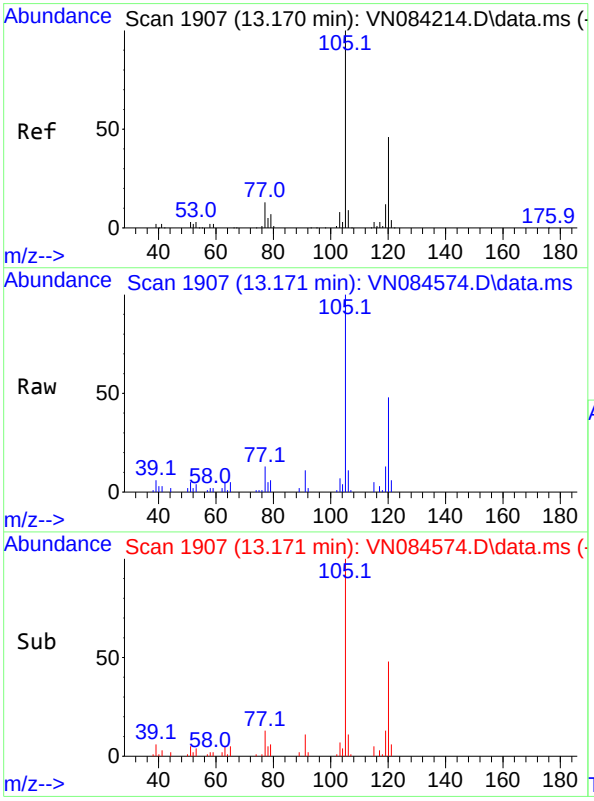
#79
2-Chlorotoluene
Concen: 5.117 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 32460

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

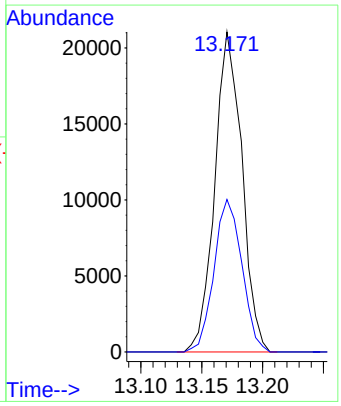


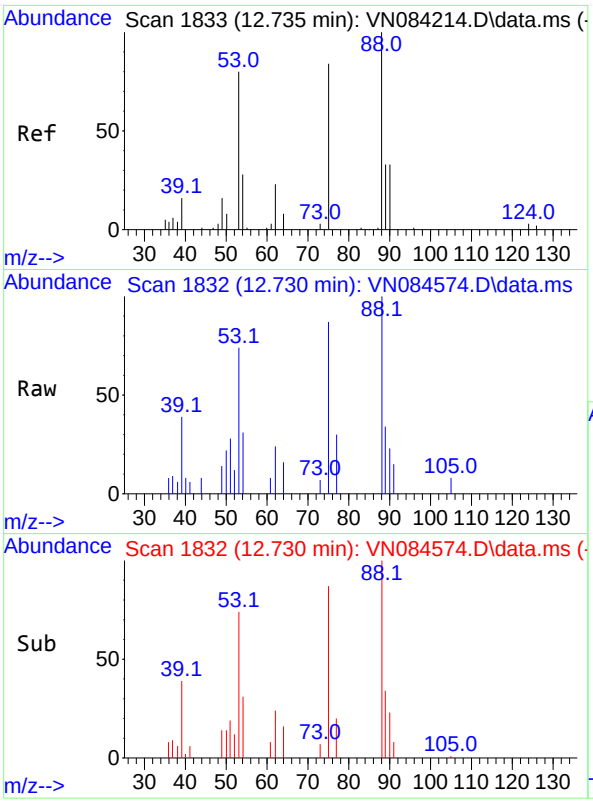


#80
1,3,5-Trimethylbenzene
Concen: 4.760 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32685

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.7	71.1



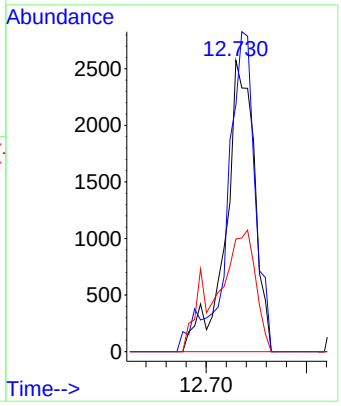


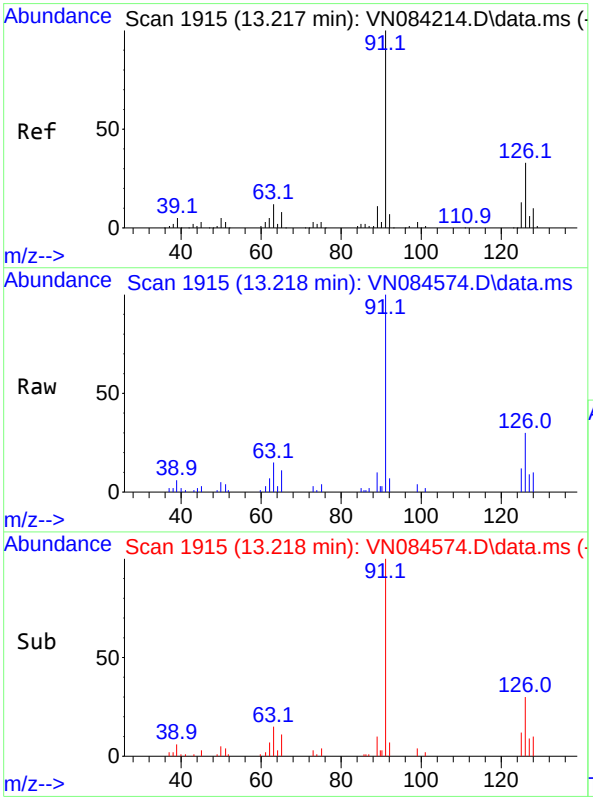
#81
trans-1,4-Dichloro-2-butene
Concen: 5.116 ug/l
RT: 12.730 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

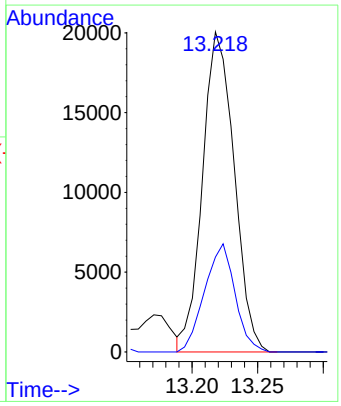


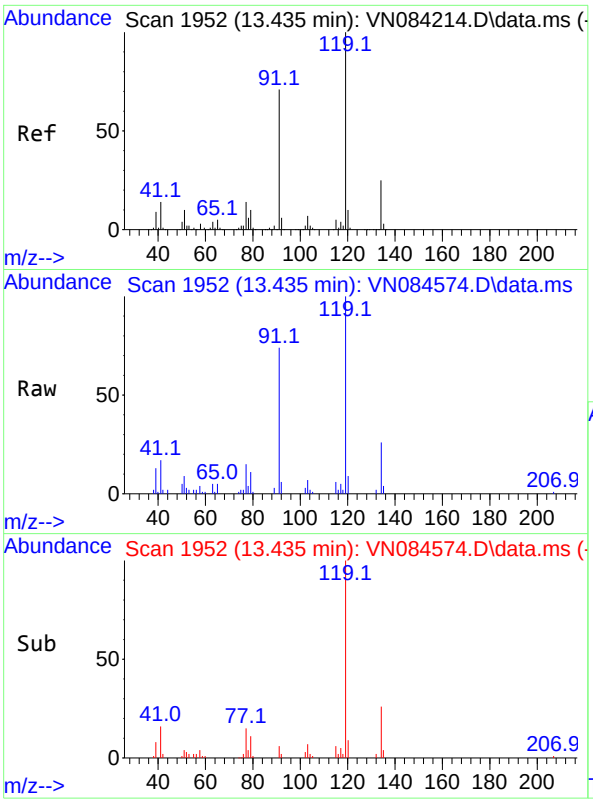


#82
4-Chlorotoluene
Concen: 5.044 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion: 91 Resp: 33672

Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.7	47.1



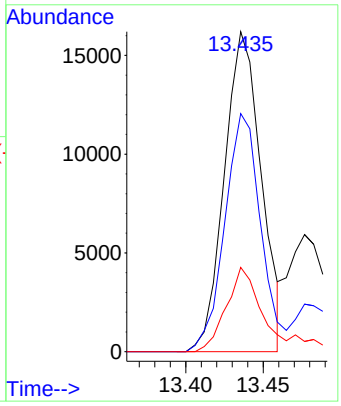


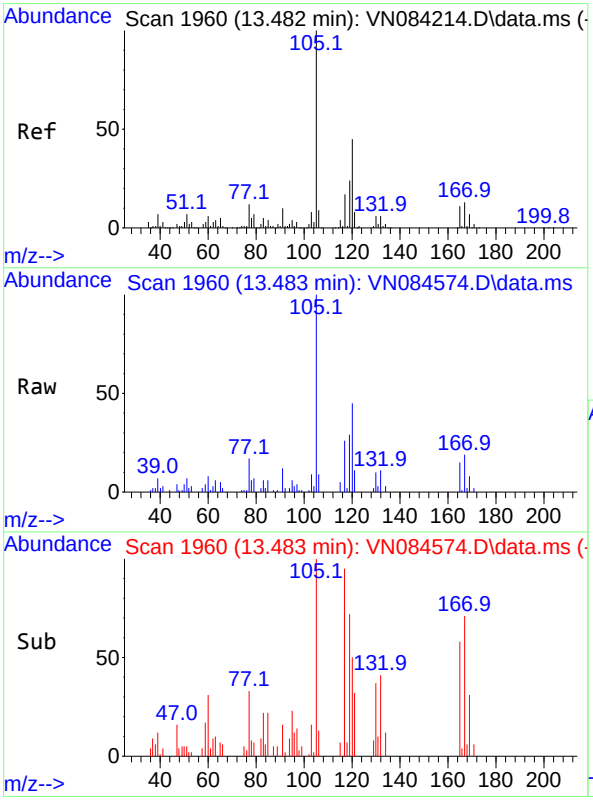
#83
tert-Butylbenzene
Concen: 4.724 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

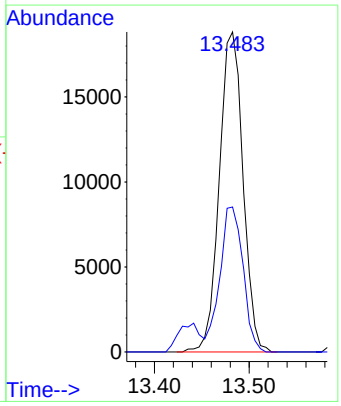


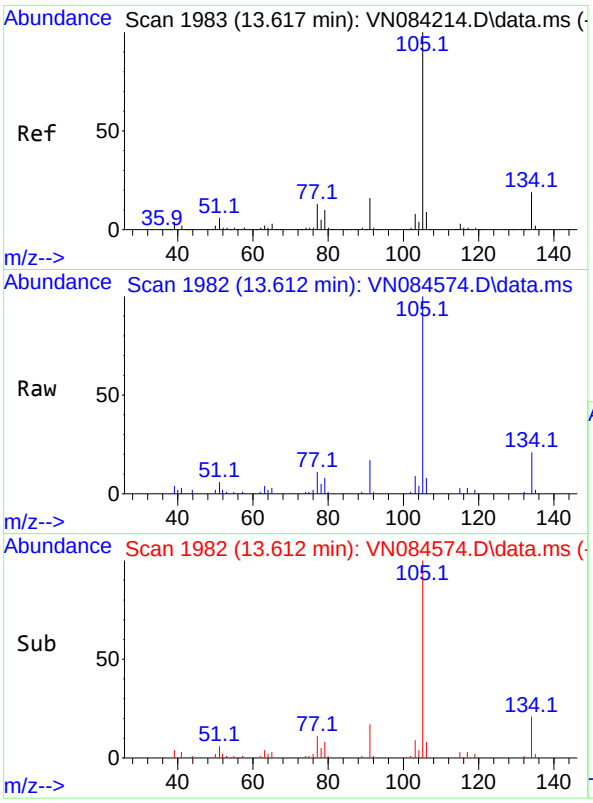


#84
1,2,4-Trimethylbenzene
Concen: 4.614 ug/l
RT: 13.483 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:105 Resp: 32703

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8



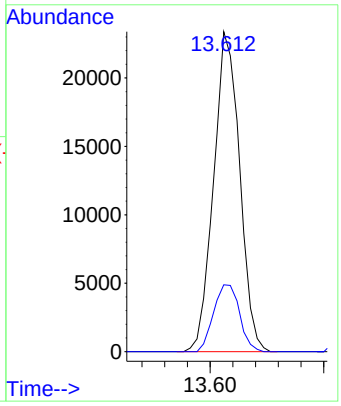


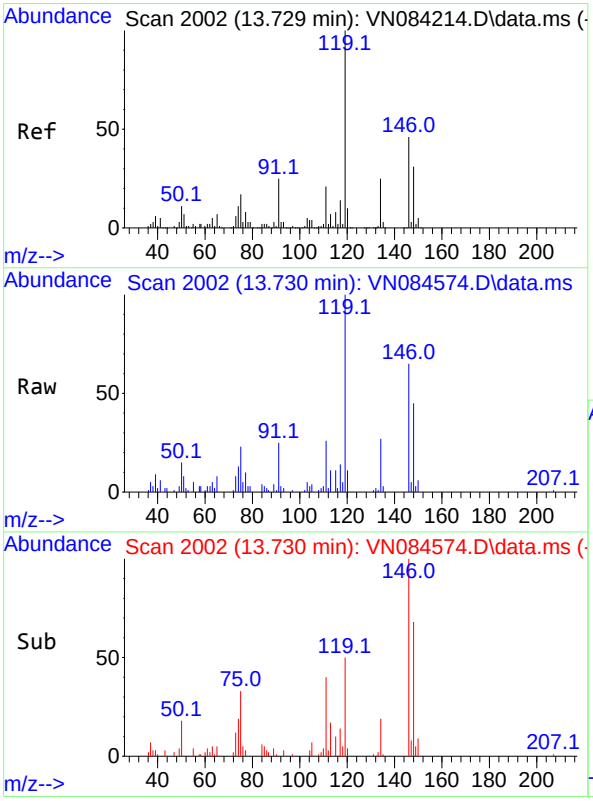
#85
sec-Butylbenzene
Concen: 4.632 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 37187

Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.8	29.4

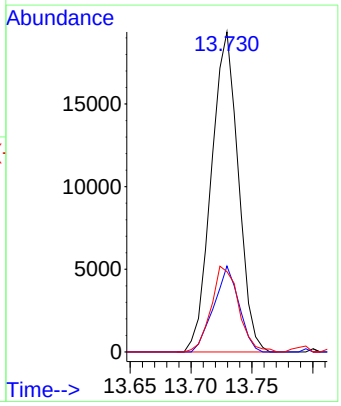


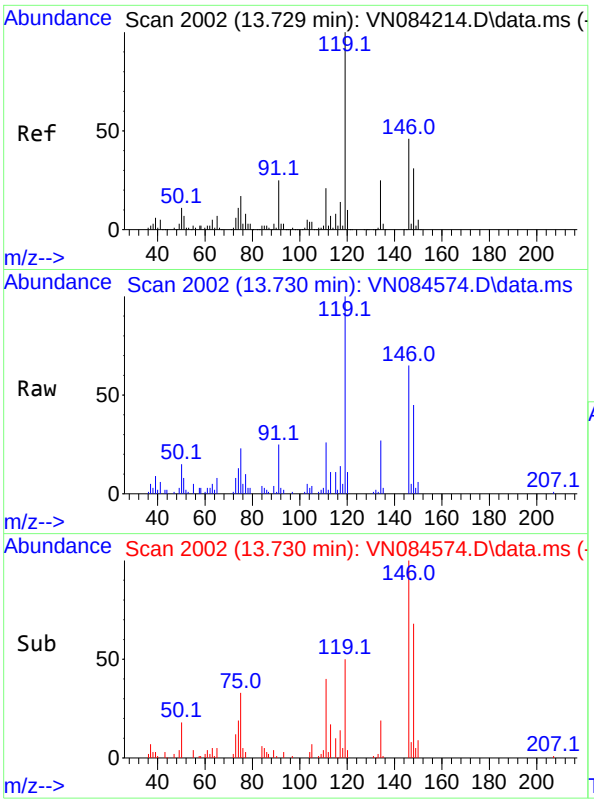


#86
p-Isopropyltoluene
Concen: 4.521 ug/l
RT: 13.730 min Scan# 2002
Delta R.T. 0.001 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



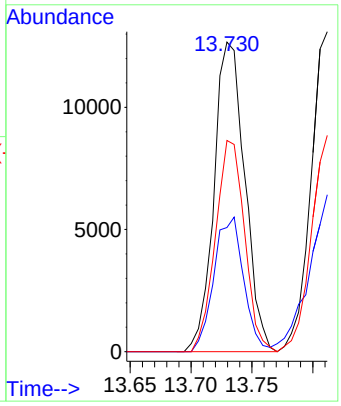


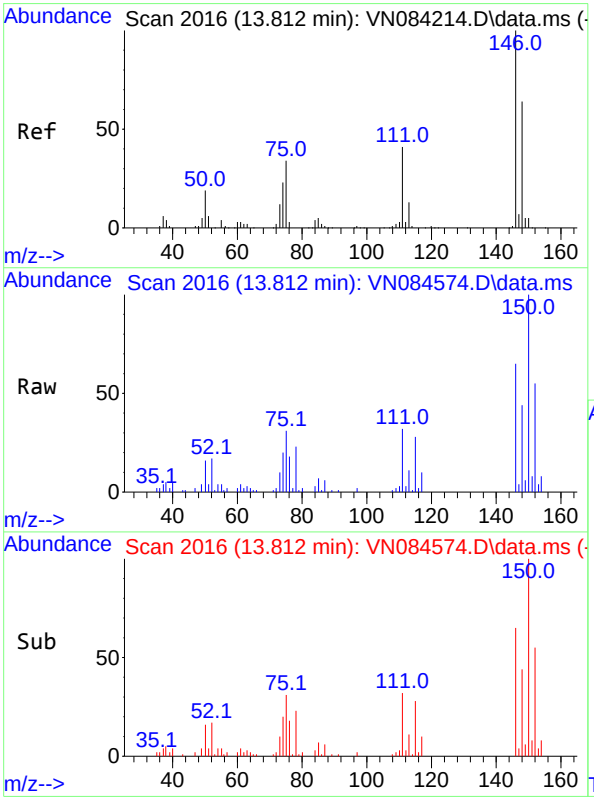
#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.730 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

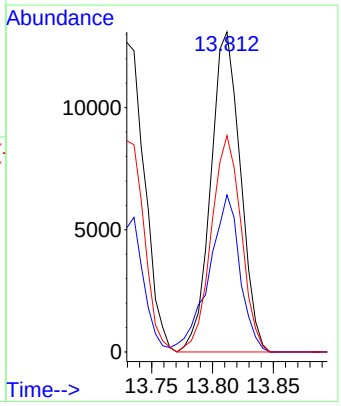


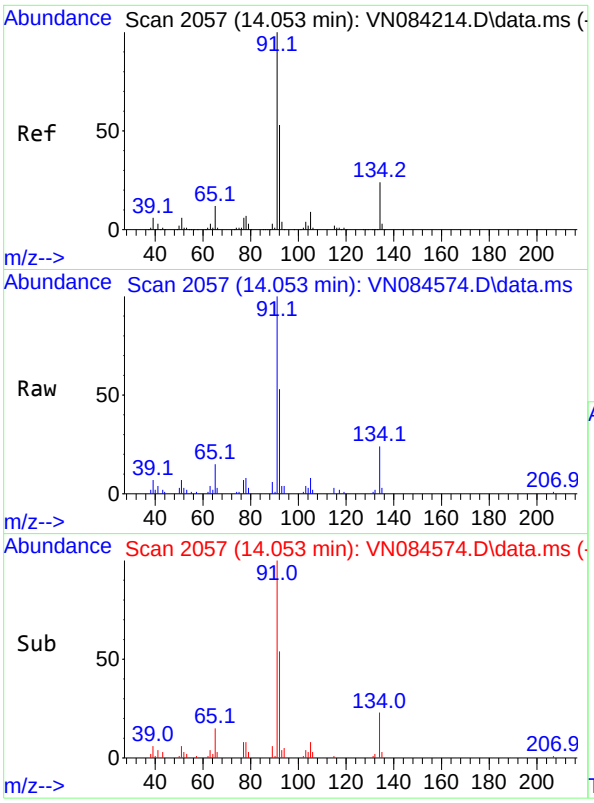


#88
1,4-Dichlorobenzene
Concen: 4.741 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



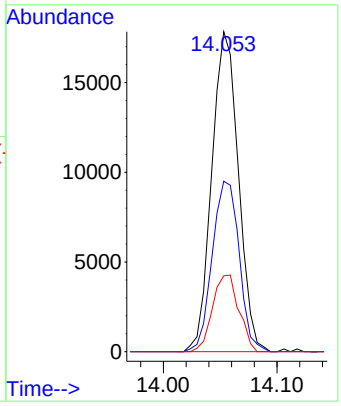


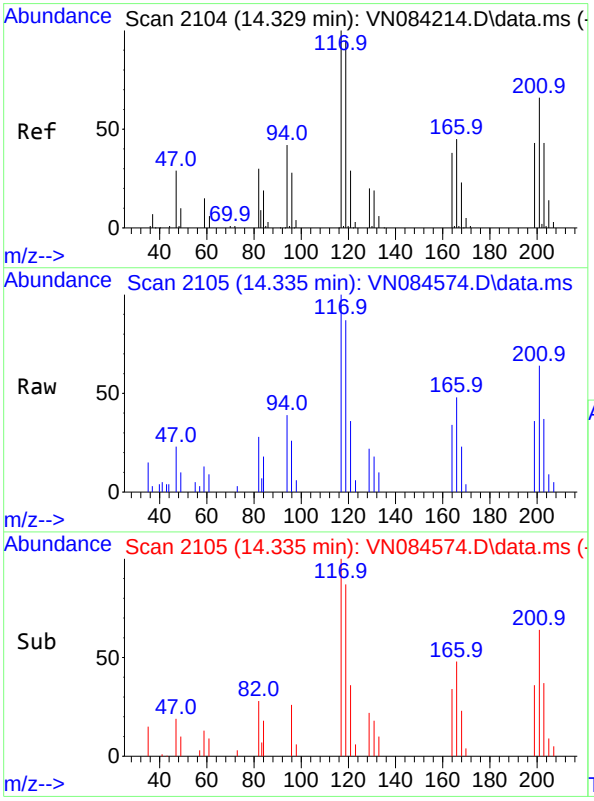
#89
n-Butylbenzene
Concen: 4.710 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

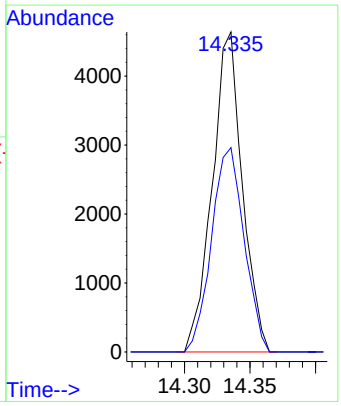


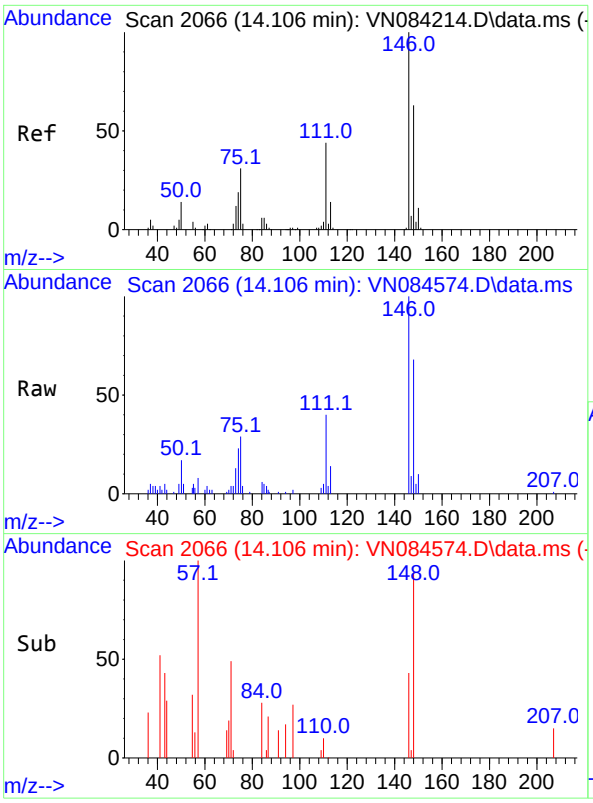


#90
Hexachloroethane
Concen: 5.043 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

Tgt Ion:117 Resp: 7404

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.4	103.2



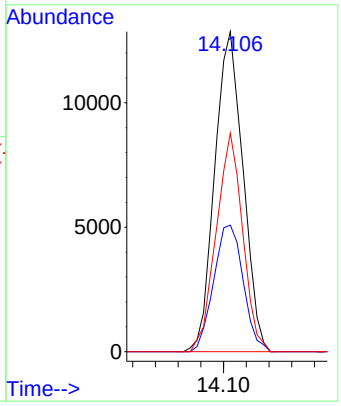


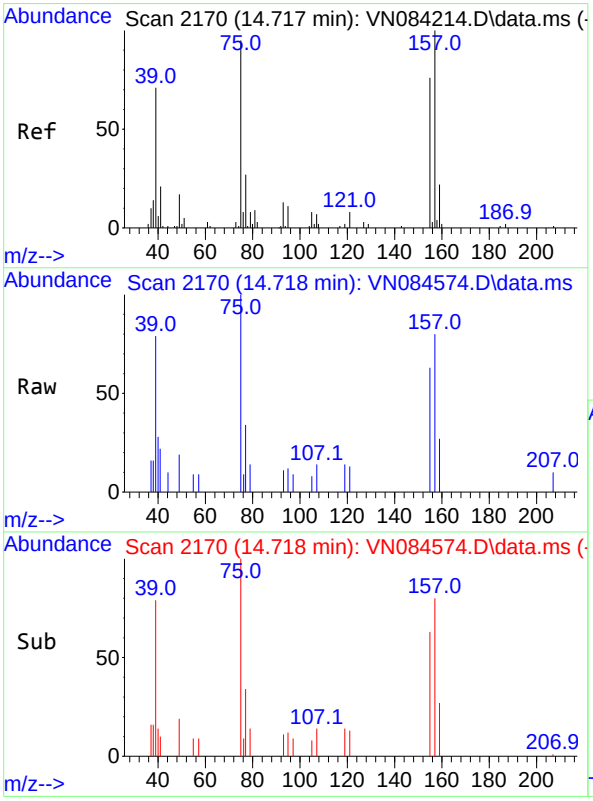
#91
1,2-Dichlorobenzene
Concen: 5.320 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

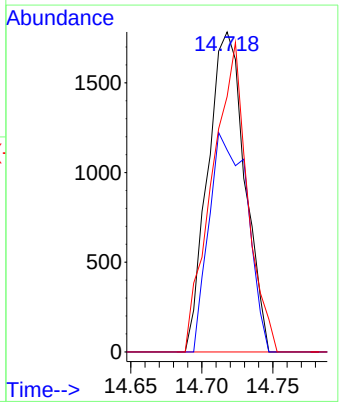


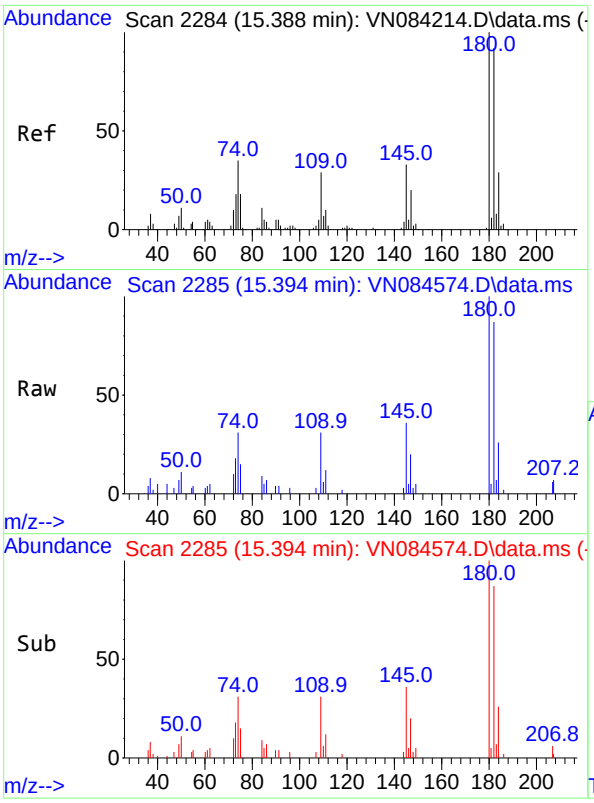


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.781 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



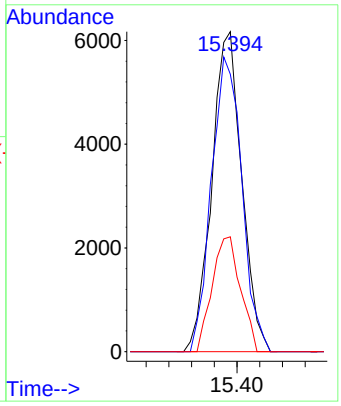


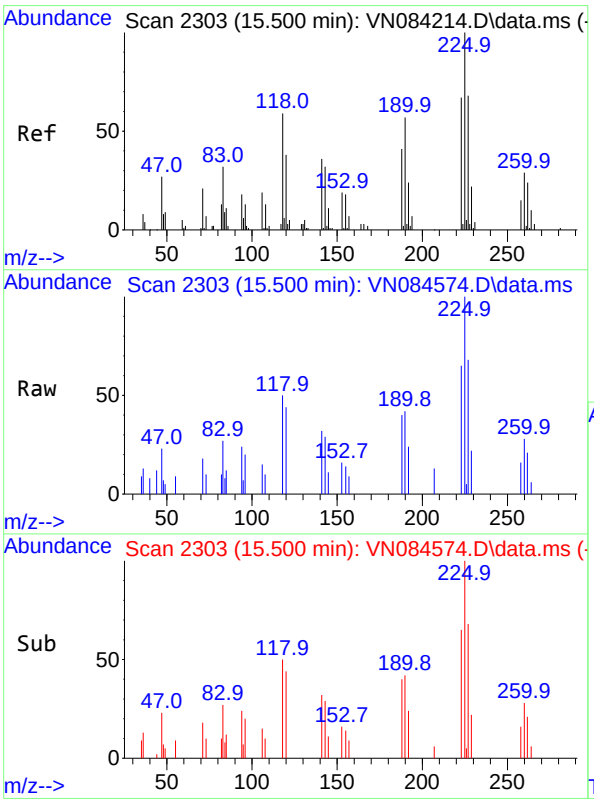
#93
1,2,4-Trichlorobenzene
Concen: 4.942 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

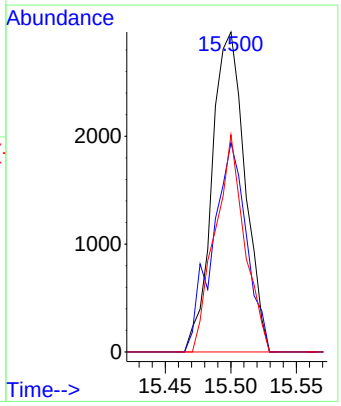


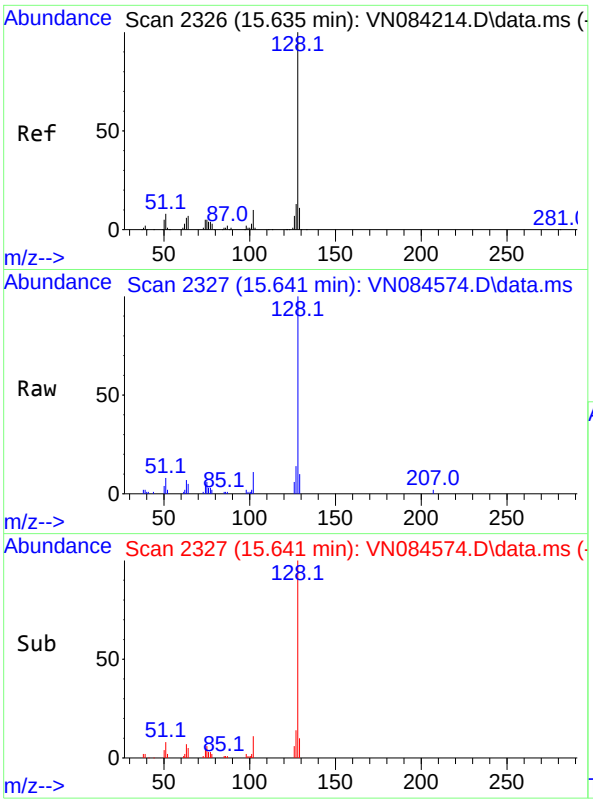


#94
Hexachlorobutadiene
Concen: 5.163 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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



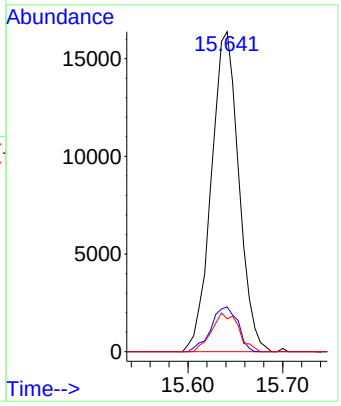


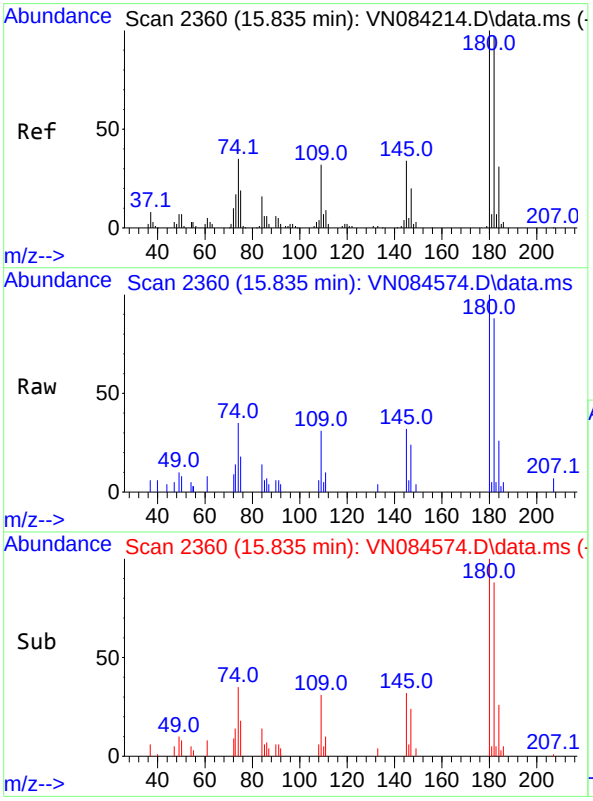
#95
Naphthalene
Concen: 4.817 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

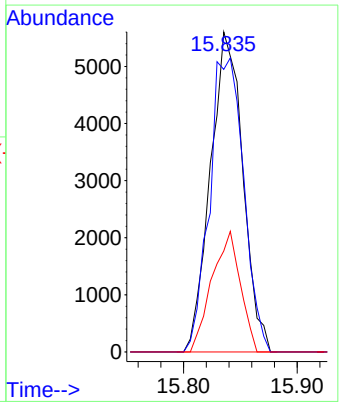




#96
1,2,3-Trichlorobenzene
Concen: 5.004 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084574.D
Acq: 30 Oct 2024 13:21

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

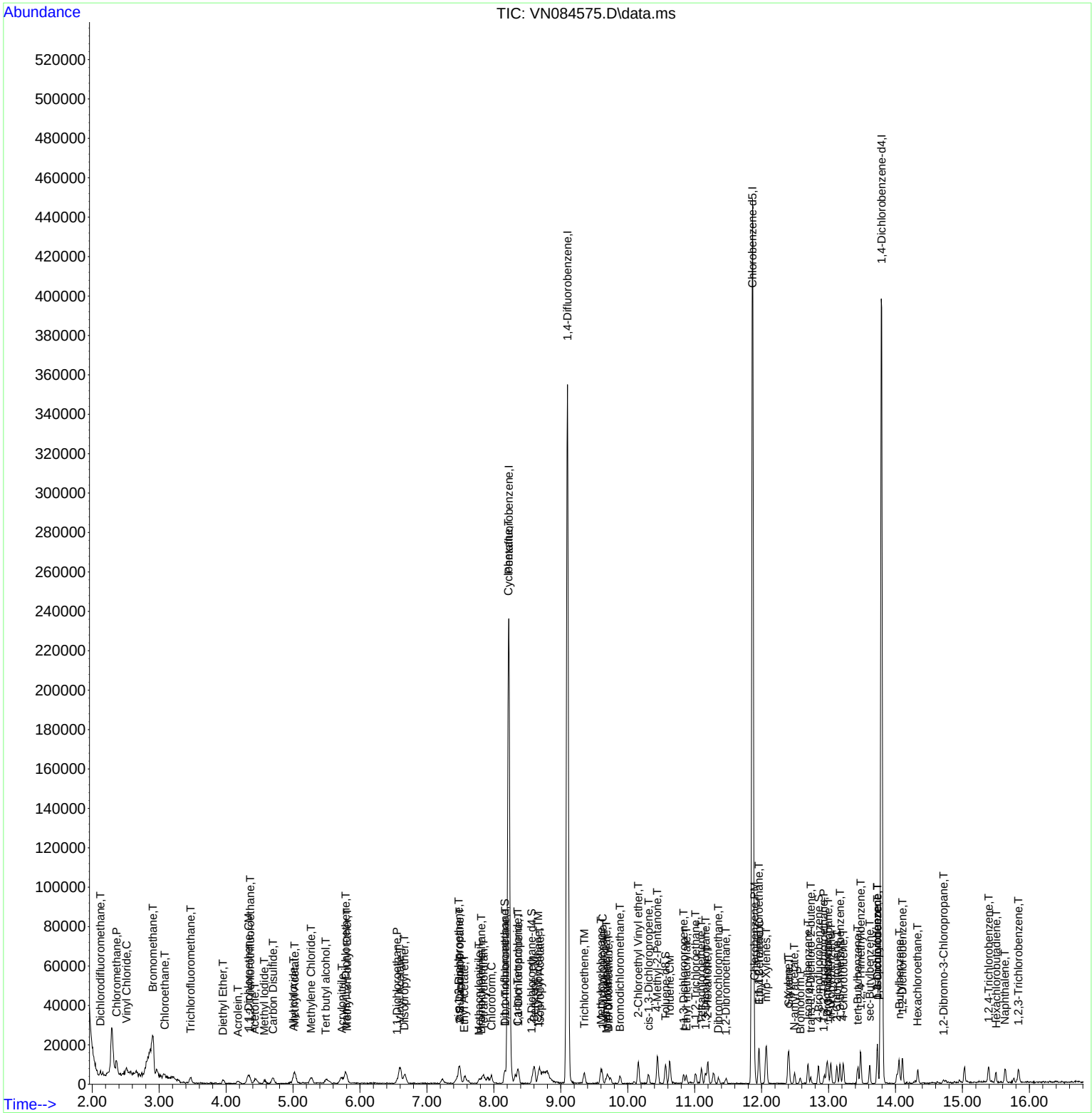
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

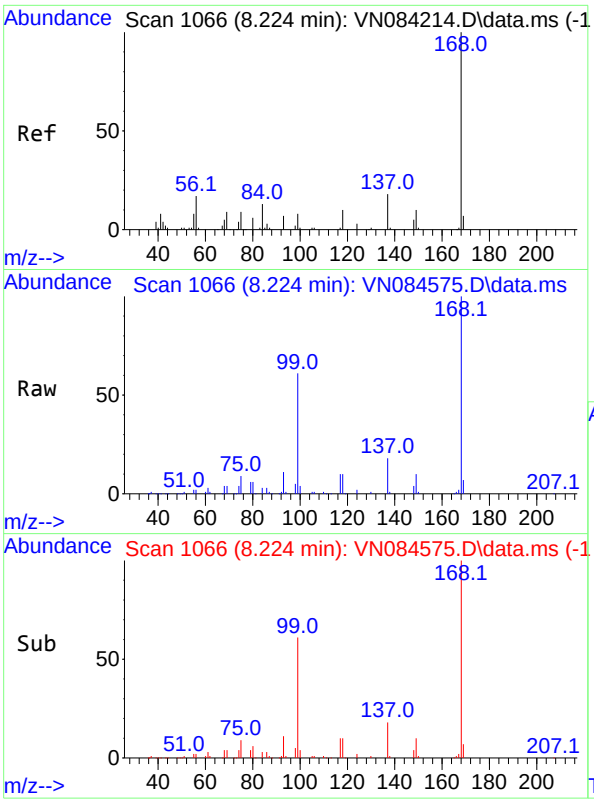
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



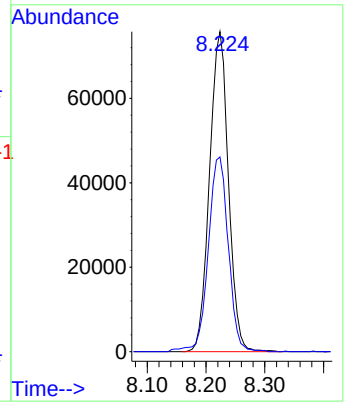


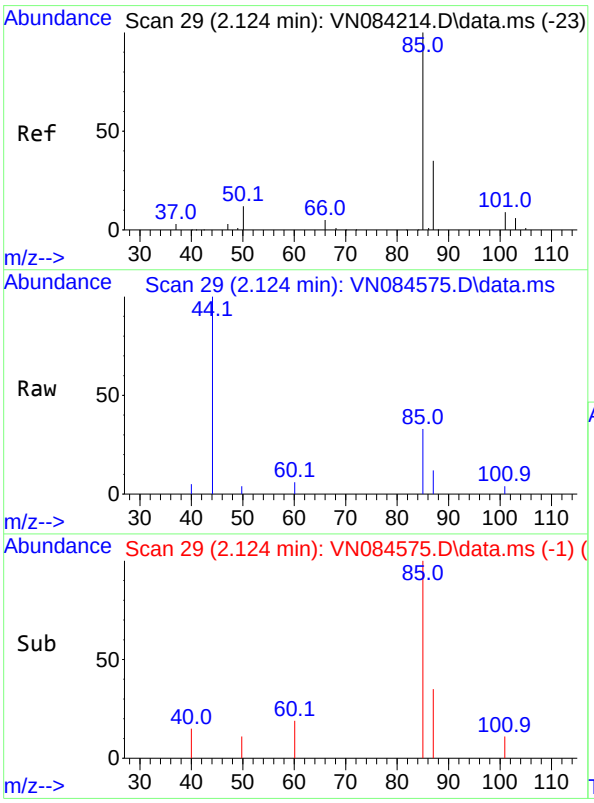
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 168991

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2

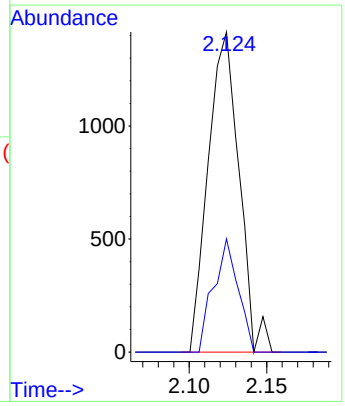


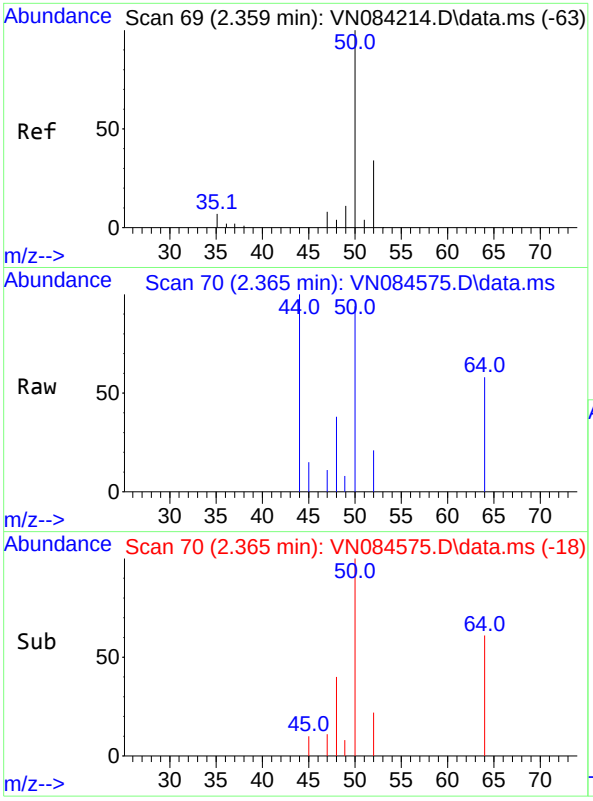


#2
Dichlorodifluoromethane
Concen: 1.011 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 85 Resp: 1964

Ion	Ratio	Lower	Upper
85	100		
87	35.4	17.6	52.9



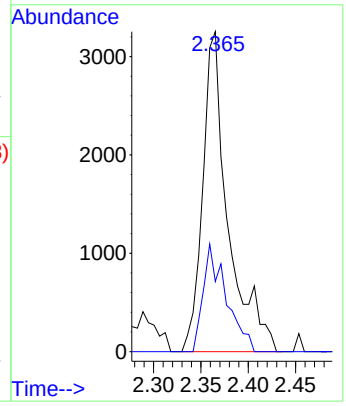


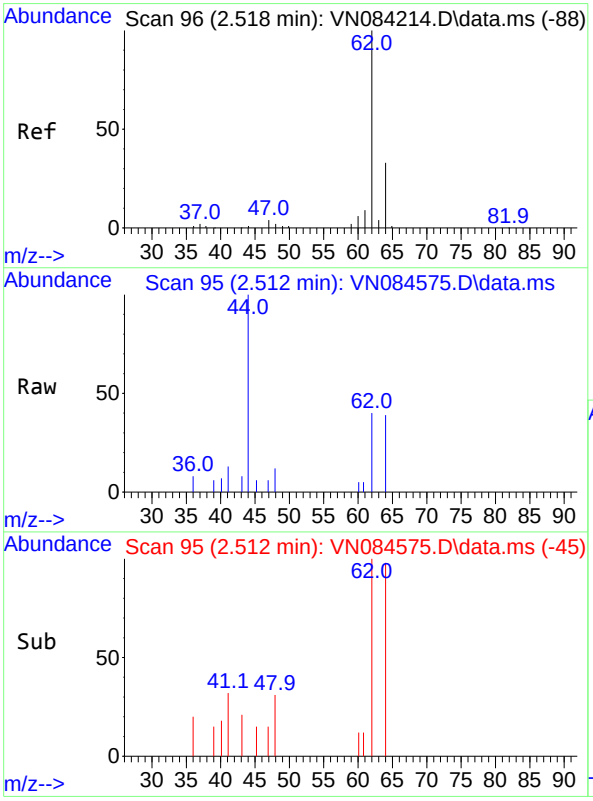
#3
Chloromethane
Concen: 1.880 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 6046

Ion	Ratio	Lower	Upper
50	100		
52	21.9	26.8	40.2#

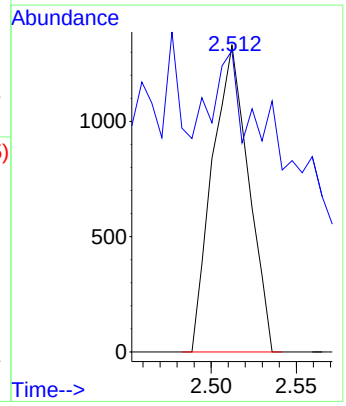


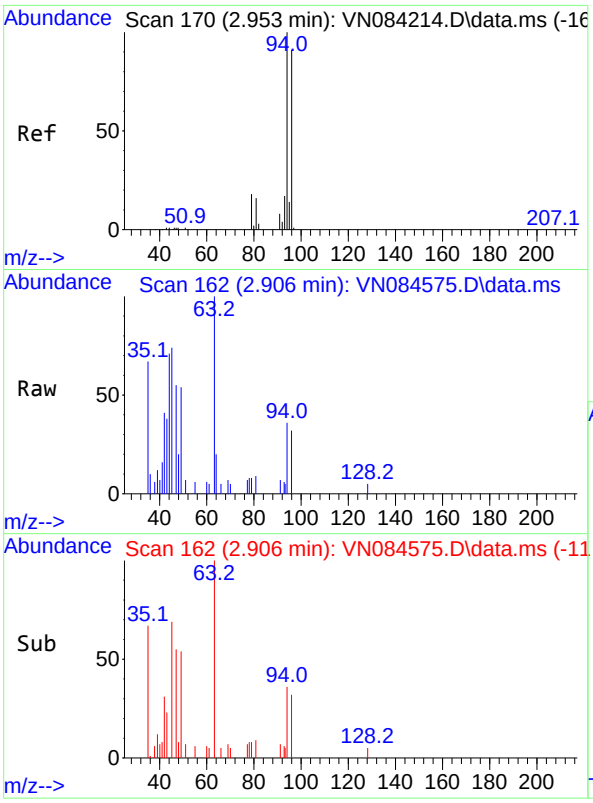


#4
Vinyl Chloride
Concen: 0.939 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 1963

Ion	Ratio	Lower	Upper
62	100		
64	38.9	26.2	39.4



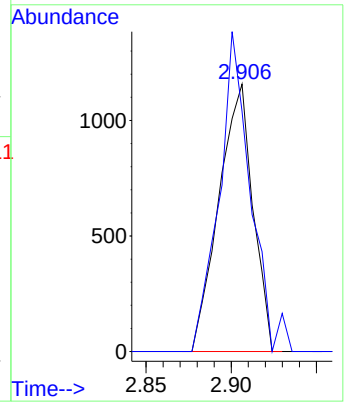


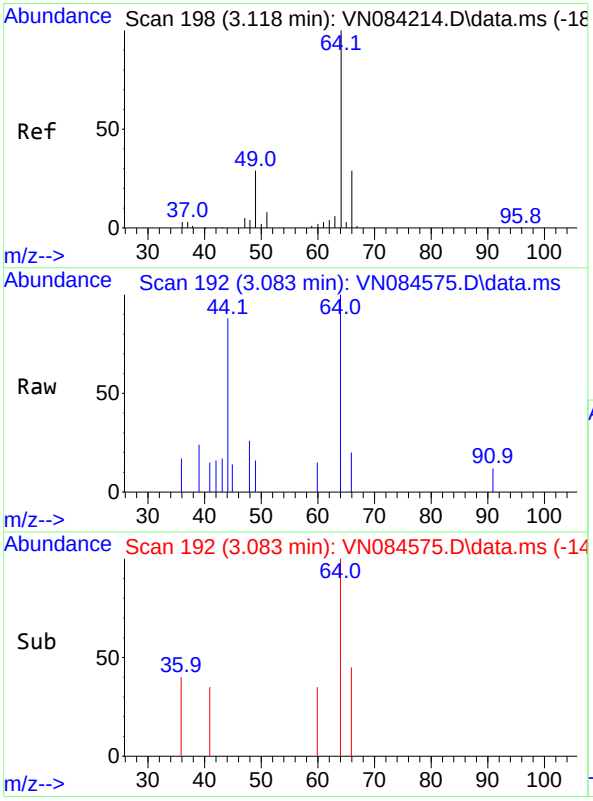
#5
Bromomethane
Concen: 1.454 ug/l
RT: 2.906 min Scan# 1
Delta R.T. -0.047 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1610

Ion	Ratio	Lower	Upper
94	100		
96	89.8	72.9	109.3

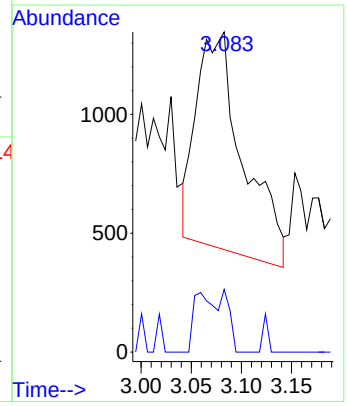


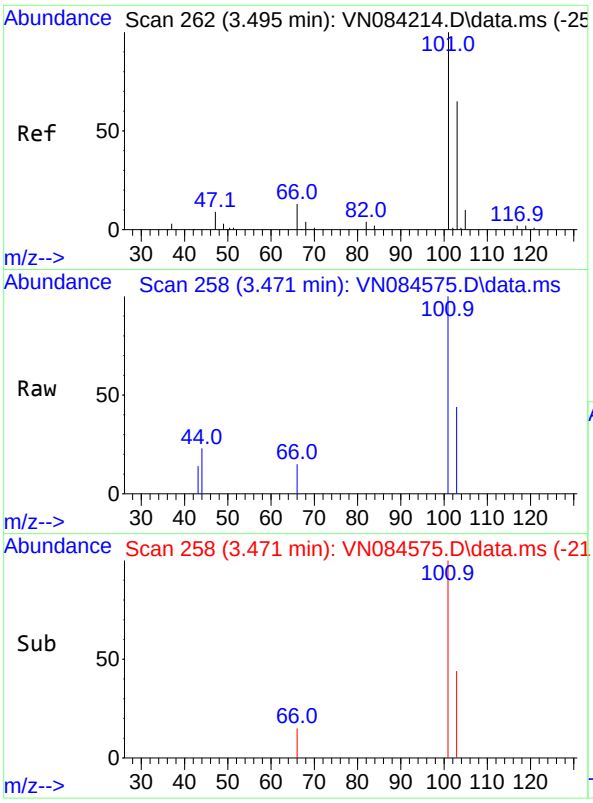


#6
Chloroethane
Concen: 0.885 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 64 Resp: 2917

Ion	Ratio	Lower	Upper
64	100		
66	30.6	23.5	35.3



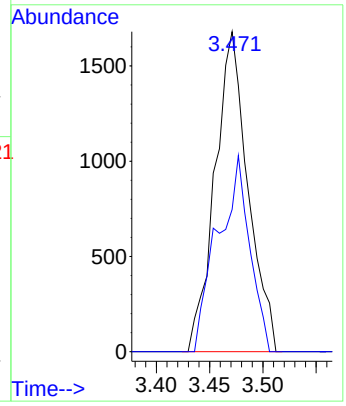


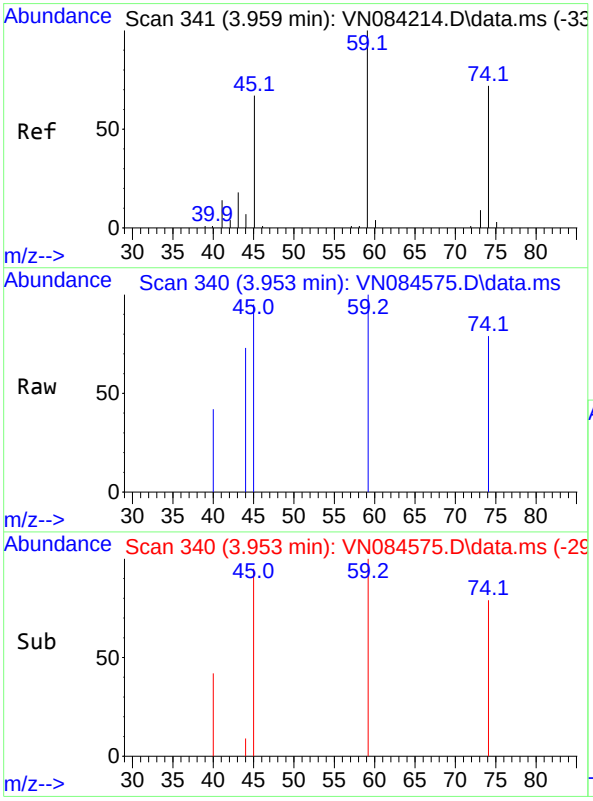
#7
Trichlorofluoromethane
Concen: 1.052 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3621

Ion	Ratio	Lower	Upper
101	100		
103	44.5	51.8	77.6#

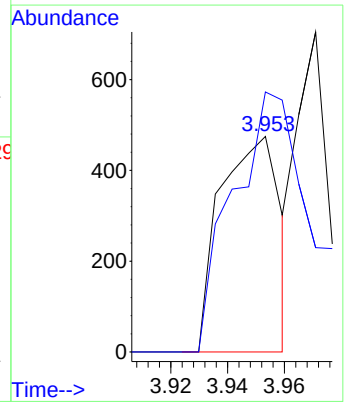


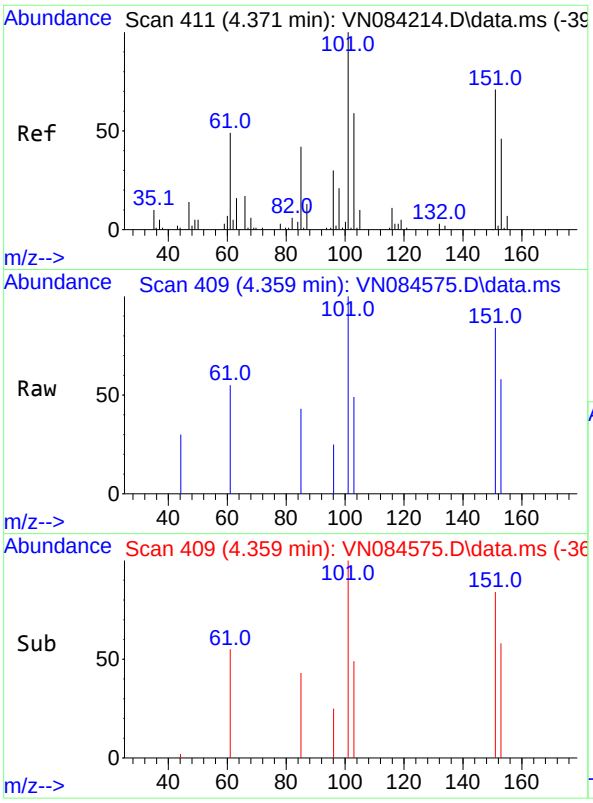


#8
Diethyl Ether
Concen: 0.570 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 74 Resp: 692

Ion	Ratio	Lower	Upper
74	100		
45	161.6	47.7	143.1#



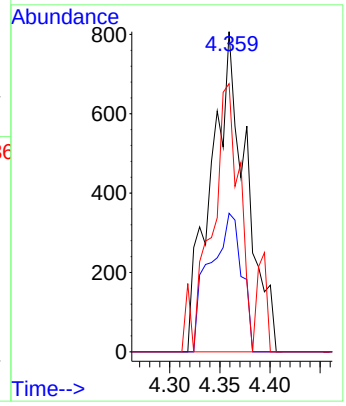


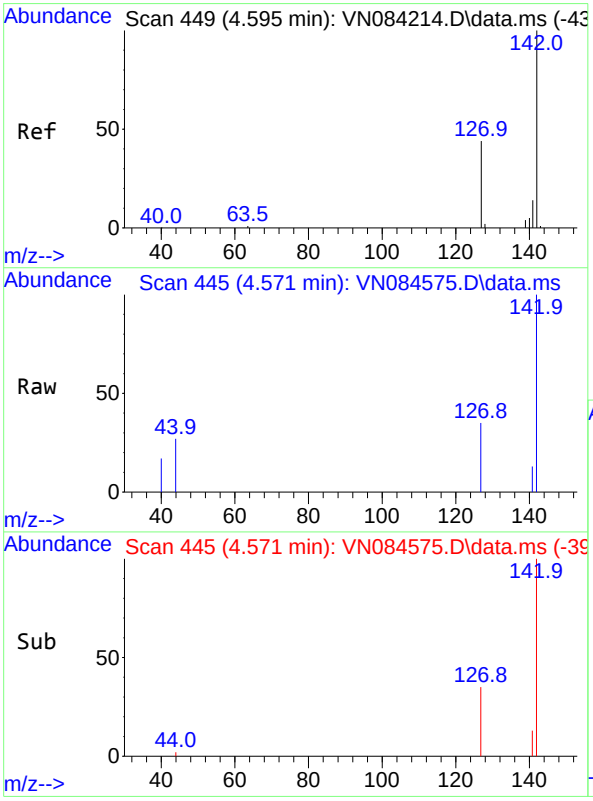
#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.019 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

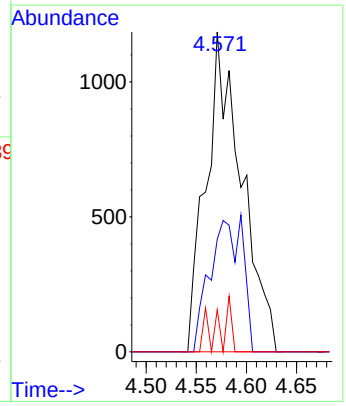


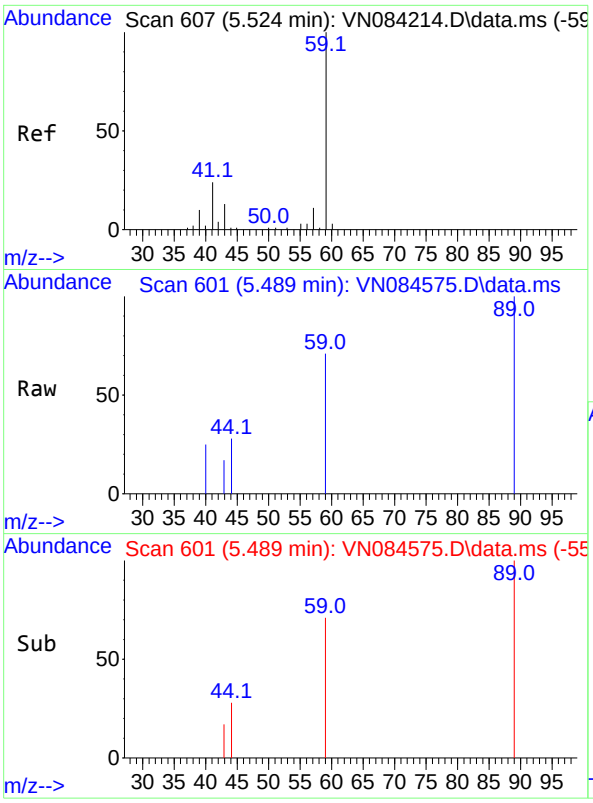


#10
Methyl Iodide
Concen: 1.121 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



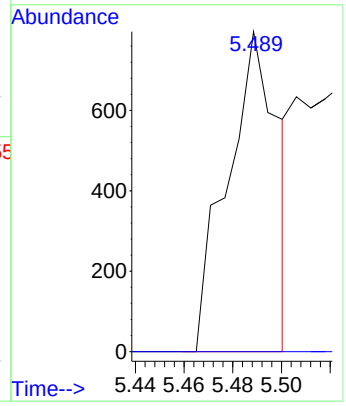


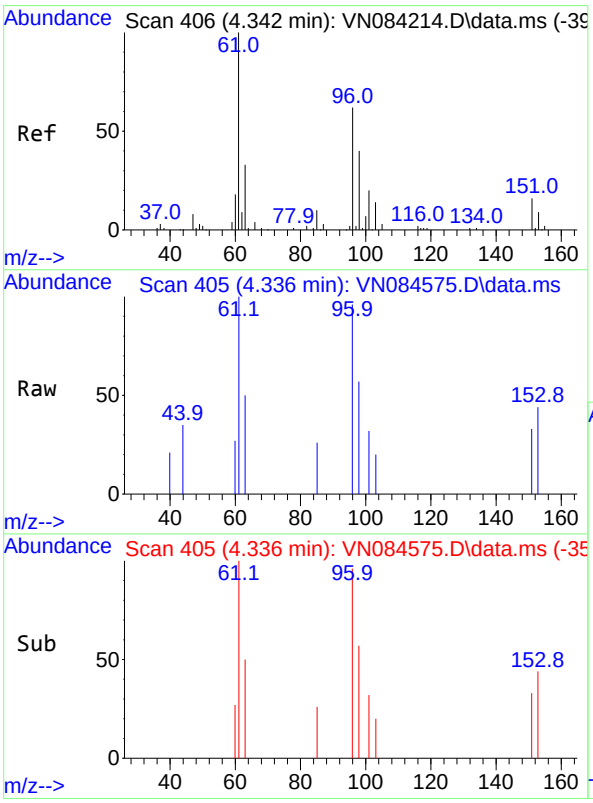
#11
Tert butyl alcohol
Concen: 3.557 ug/l
RT: 5.489 min Scan# 6
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1146

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

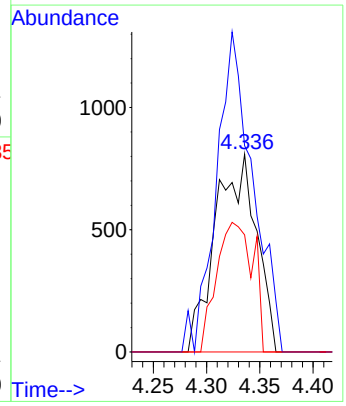


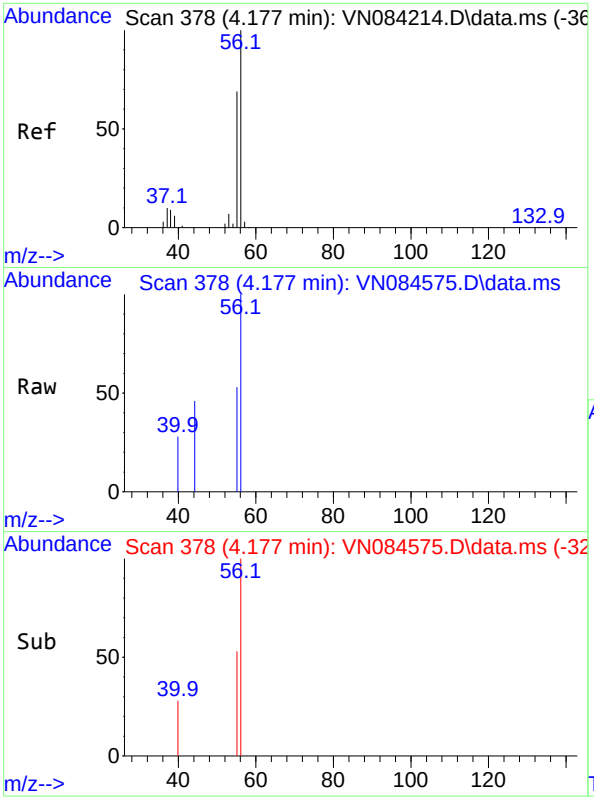


#12
1,1-Dichloroethene
Concen: 1.131 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



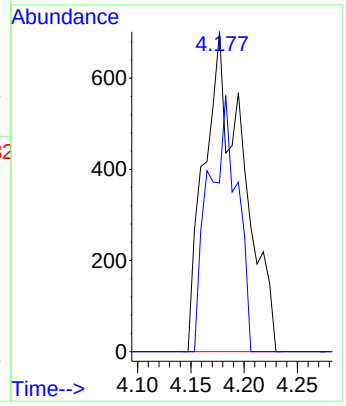


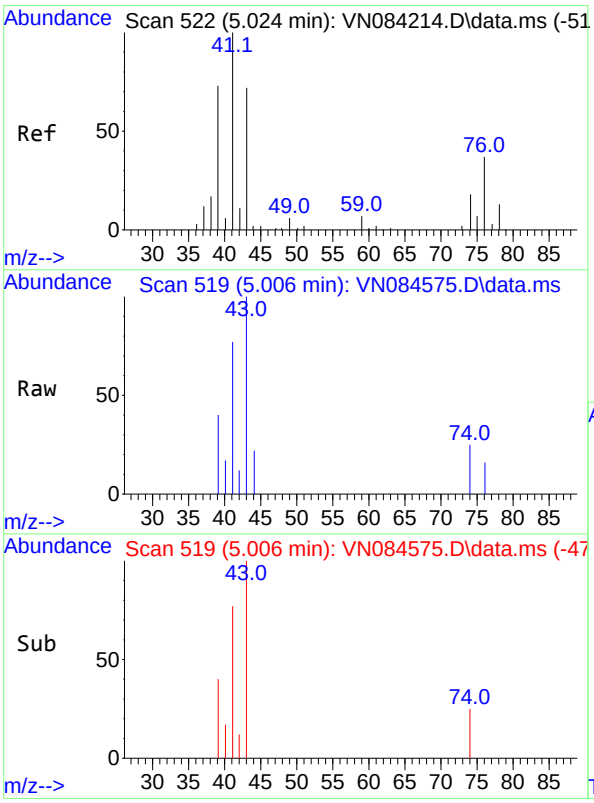
#13
Acrolein
Concen: 5.525 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1775

Ion	Ratio	Lower	Upper
56	100		
55	58.5	57.2	85.8

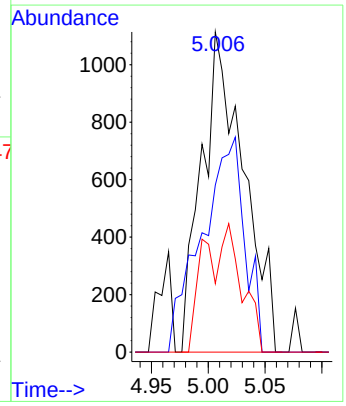


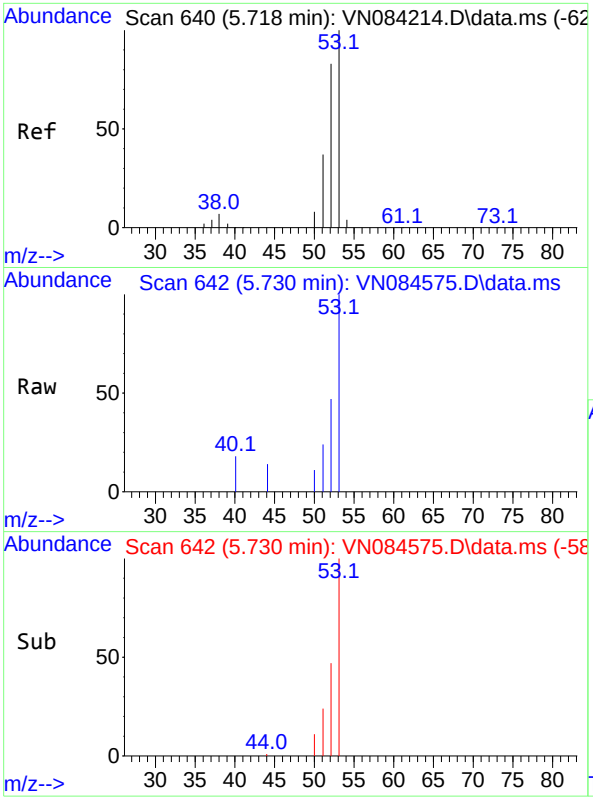


#14
Allyl chloride
Concen: 0.919 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



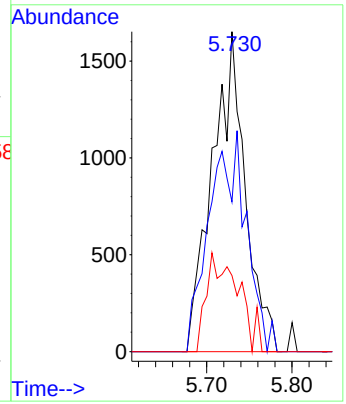


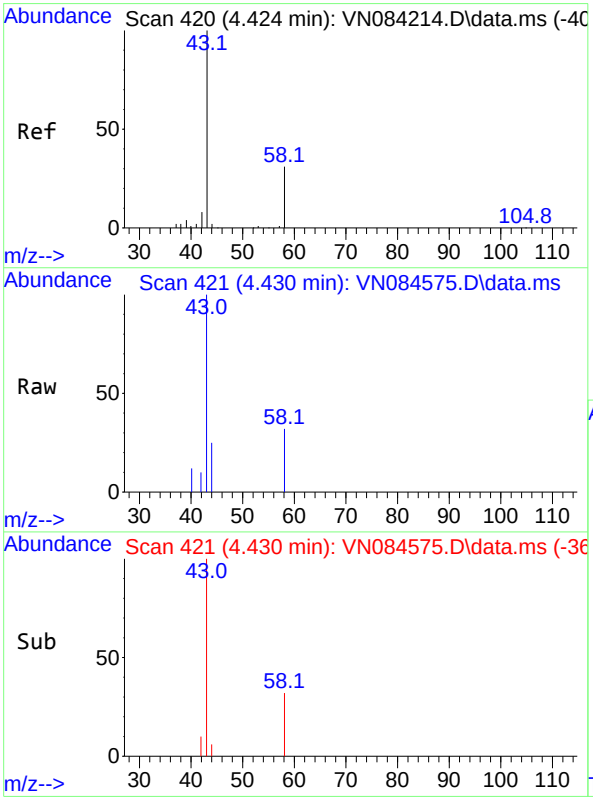
#15
Acrylonitrile
Concen: 4.764 ug/l
RT: 5.730 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

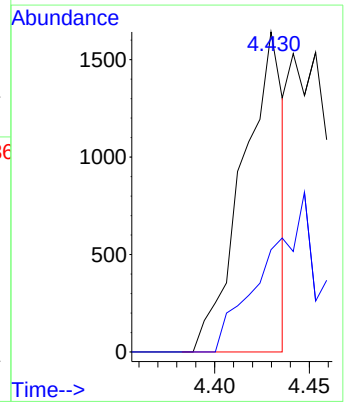


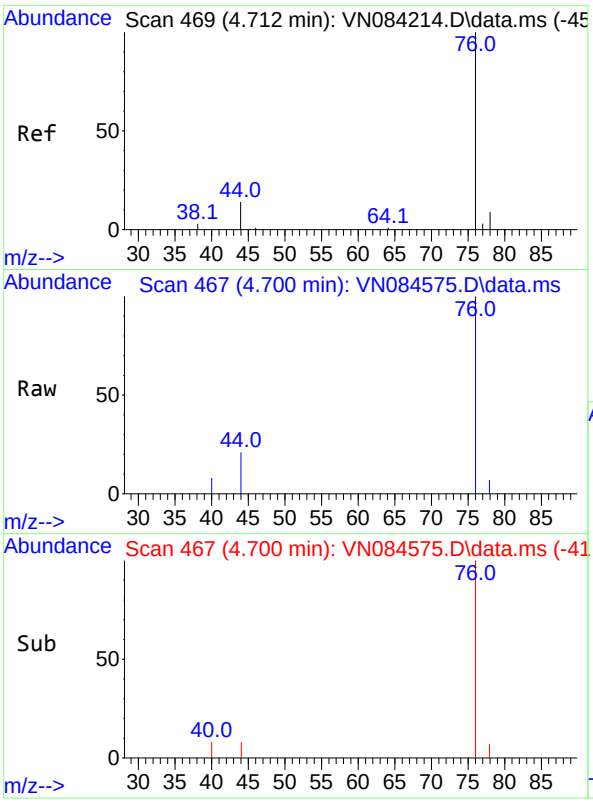


#16
Acetone
Concen: 0.614 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 2439

Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.4	36.6



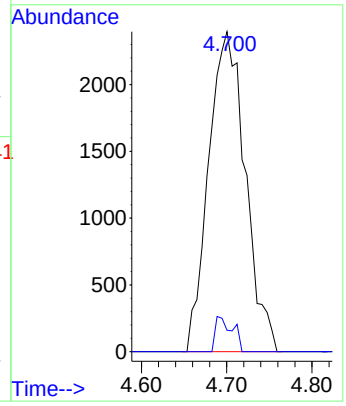


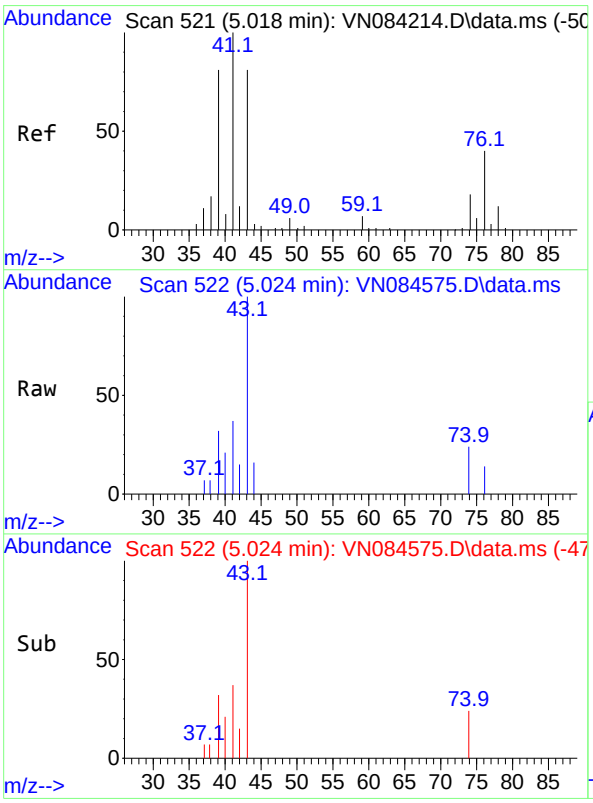
#17
Carbon Disulfide
Concen: 1.207 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 7155

Ion	Ratio	Lower	Upper
76	100		
78	6.7	7.3	10.9#

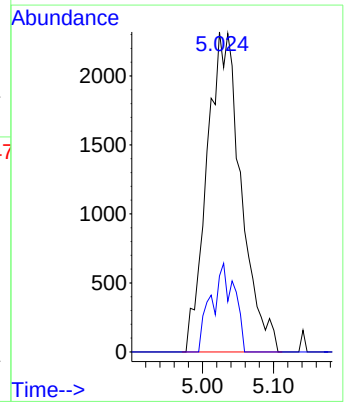


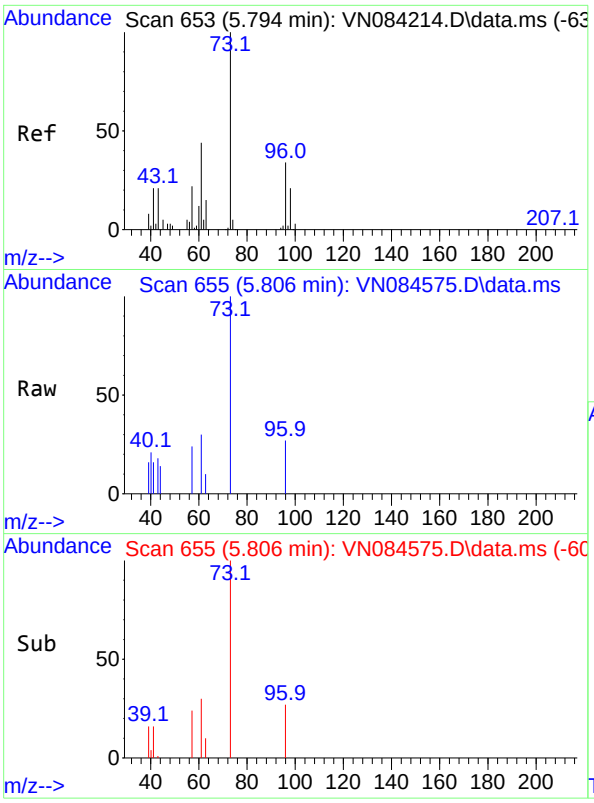


#18
Methyl Acetate
Concen: 1.954 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 43 Resp: 7743

Ion	Ratio	Lower	Upper
43	100		
74	18.6	19.2	28.8#



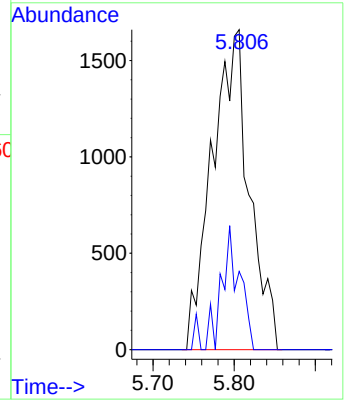


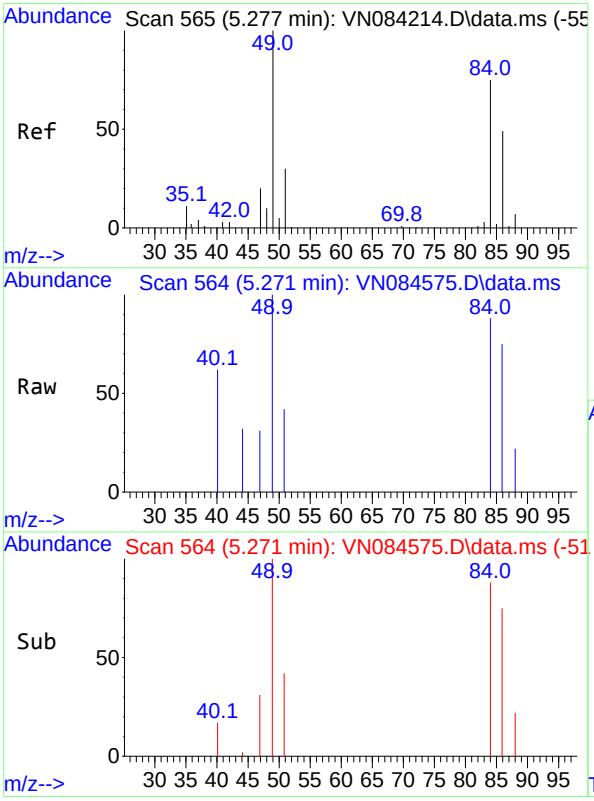
#19
Methyl tert-butyl Ether
Concen: 0.901 ug/l
RT: 5.806 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 5314

Ion	Ratio	Lower	Upper
73	100		
57	24.5	17.7	26.5

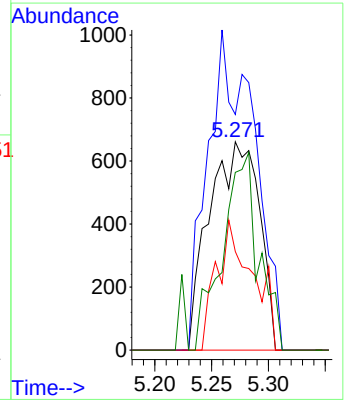


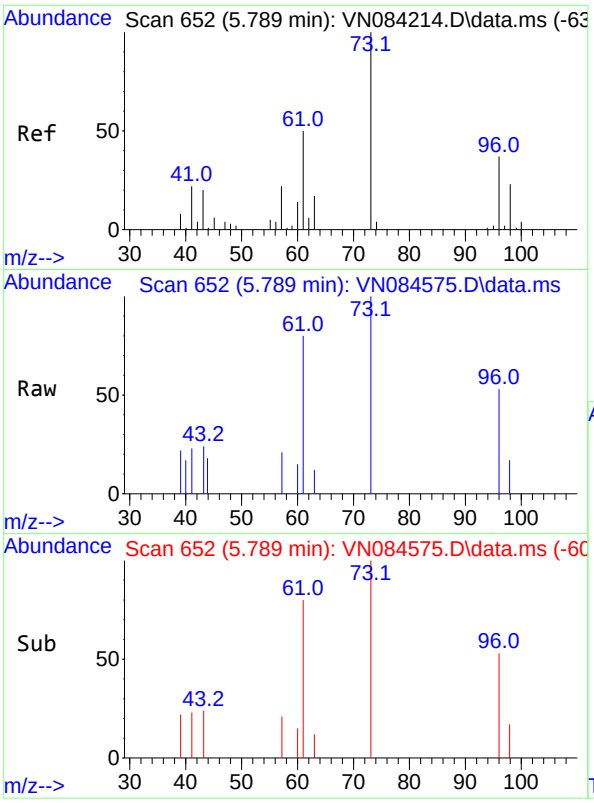


#20
Methylene Chloride
Concen: 0.945 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



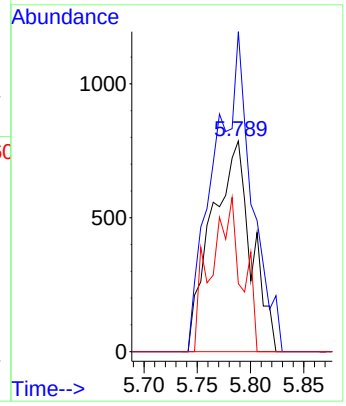


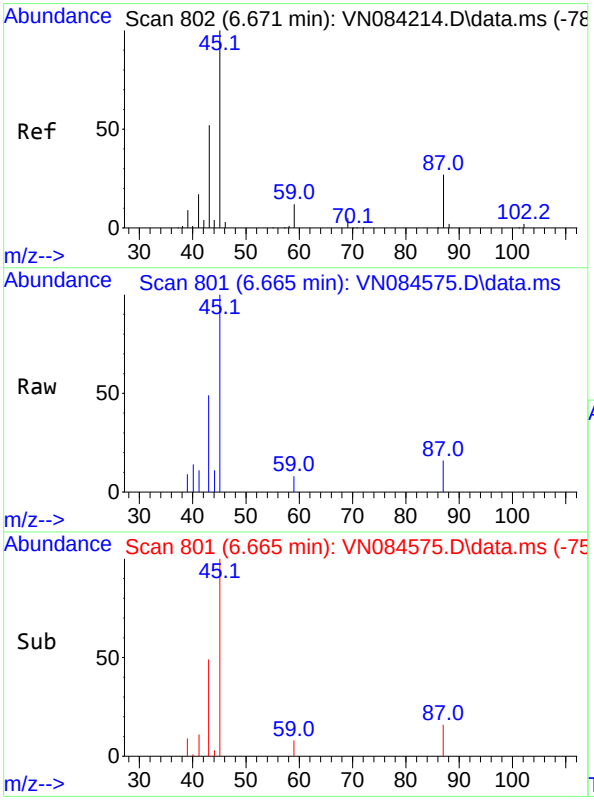
#21
trans-1,2-Dichloroethene
Concen: 1.027 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

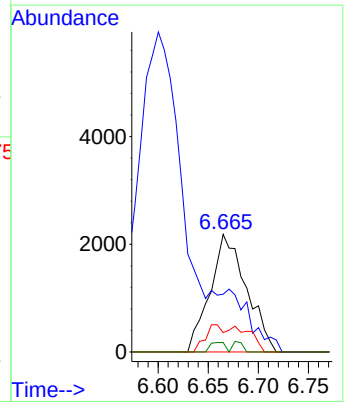


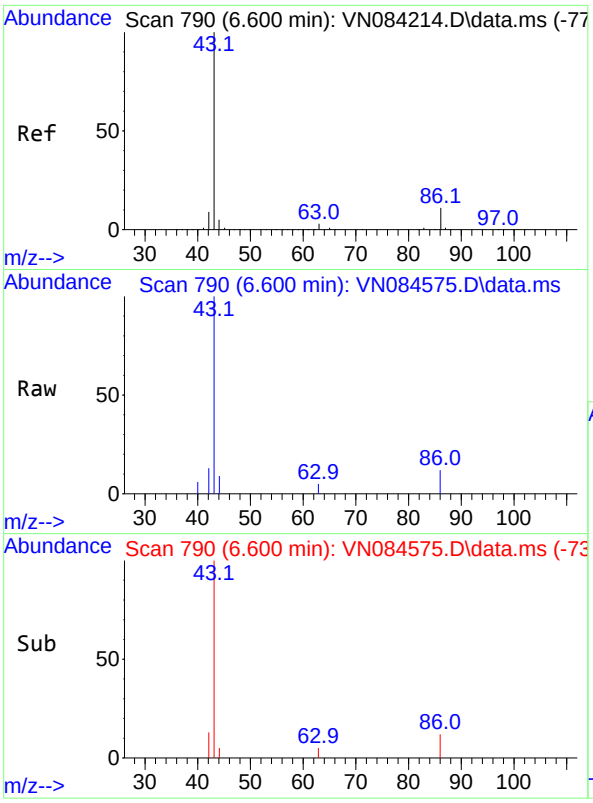


#22
Diisopropyl ether
Concen: 0.884 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



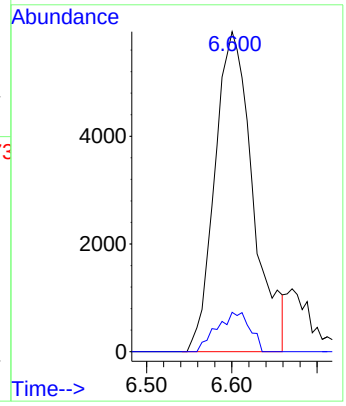


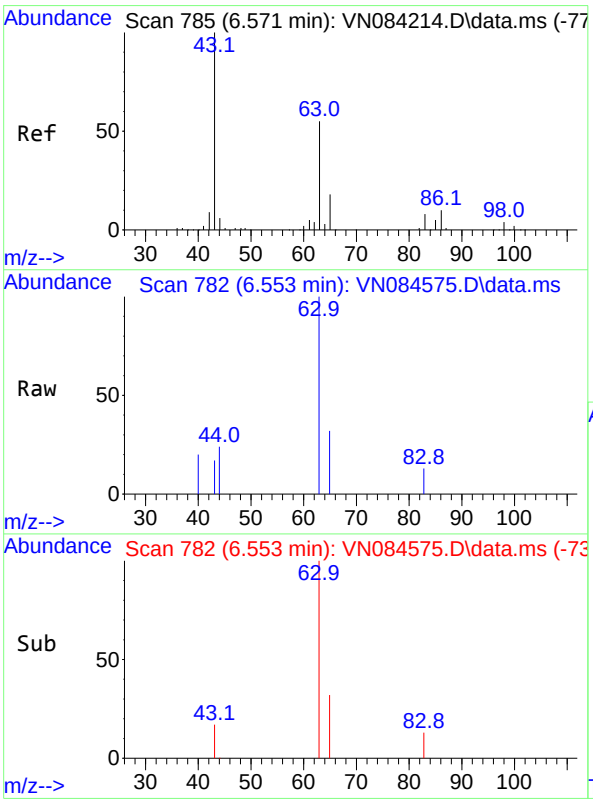
#23
Vinyl Acetate
Concen: 4.306 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 18413

Ion	Ratio	Lower	Upper
43	100		
86	12.3	8.6	12.8

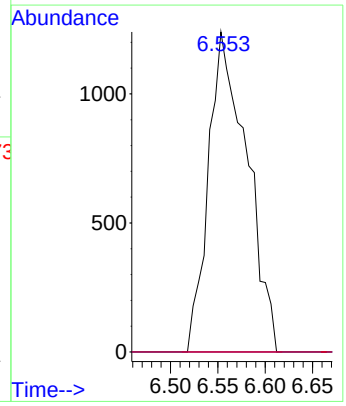


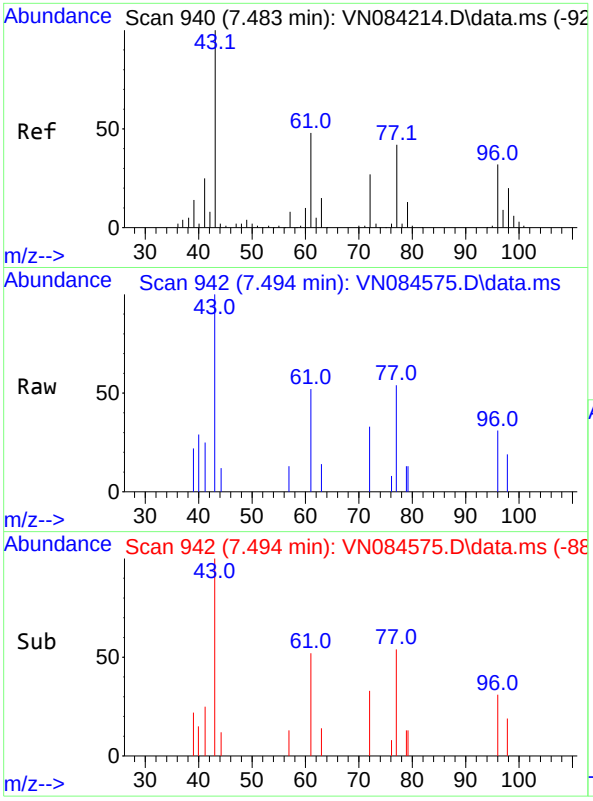


#24
1,1-Dichloroethane
Concen: 0.938 ug/l
RT: 6.553 min Scan# 782
Delta R.T. -0.018 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



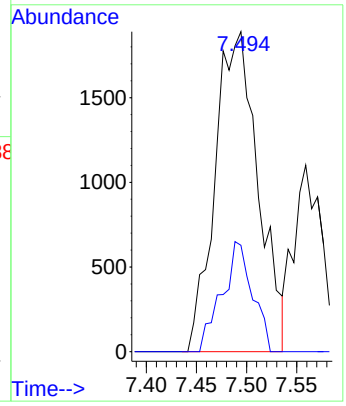


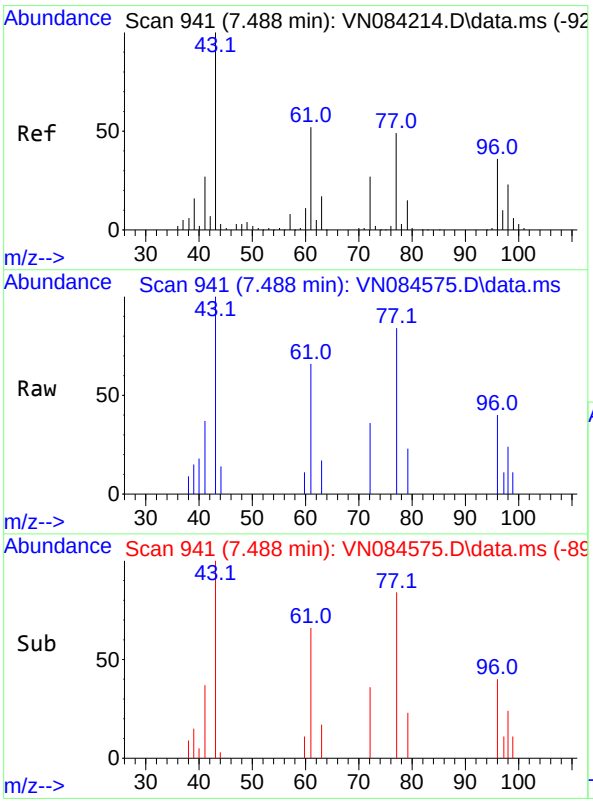
#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5644

Ion	Ratio	Lower	Upper
43	100		
72	33.2	21.4	32.2#

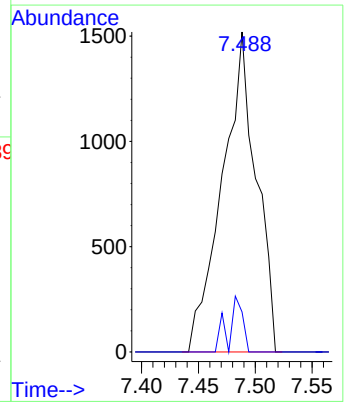


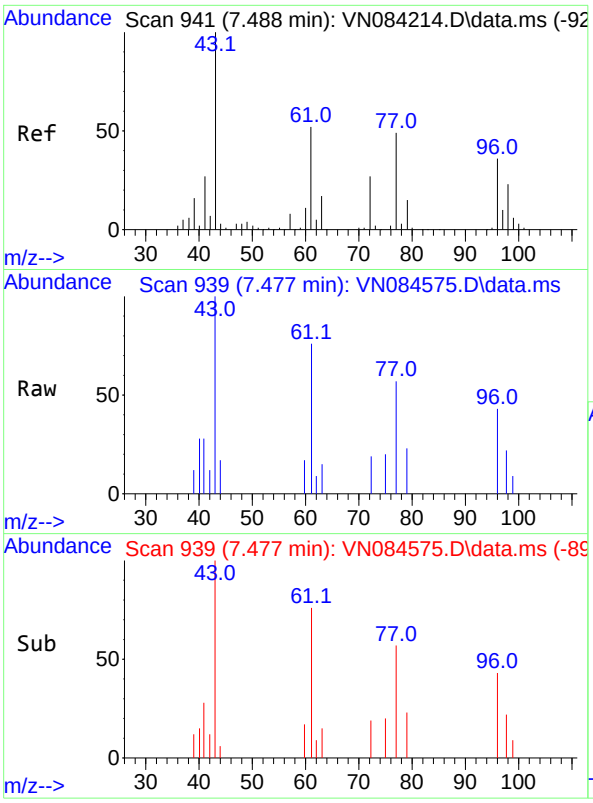


#26
2,2-Dichloropropane
Concen: 0.973 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 77 Resp: 3152

Ion	Ratio	Lower	Upper
77	100		
97	7.2	10.8	32.3#



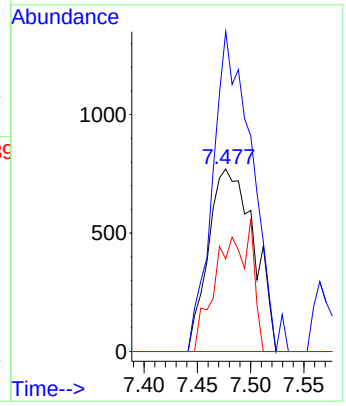


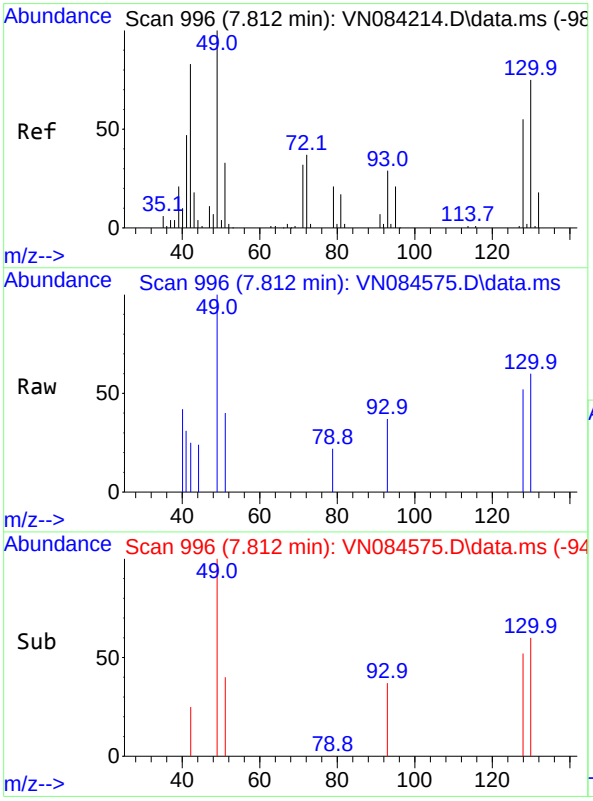
#27
cis-1,2-Dichloroethene
Concen: 0.986 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

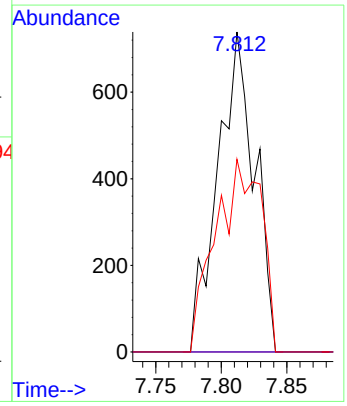


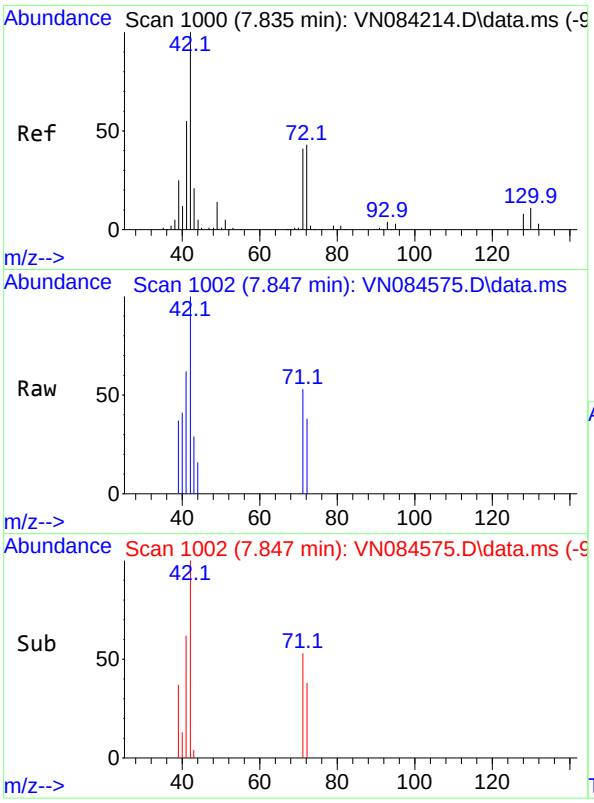


#28
Bromochloromethane
Concen: 0.978 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



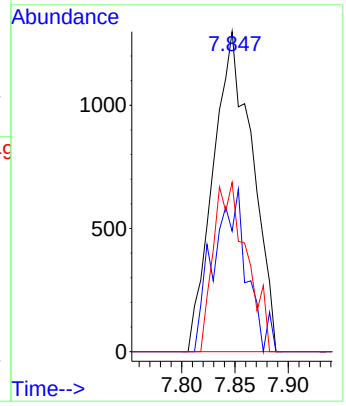


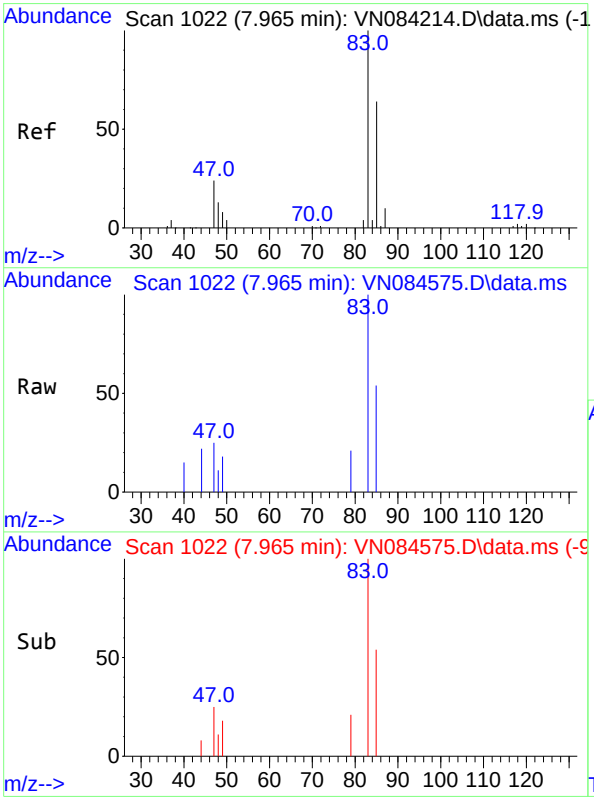
#29
Tetrahydrofuran
Concen: 4.396 ug/l
RT: 7.847 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

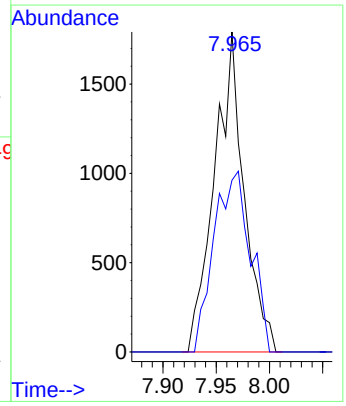


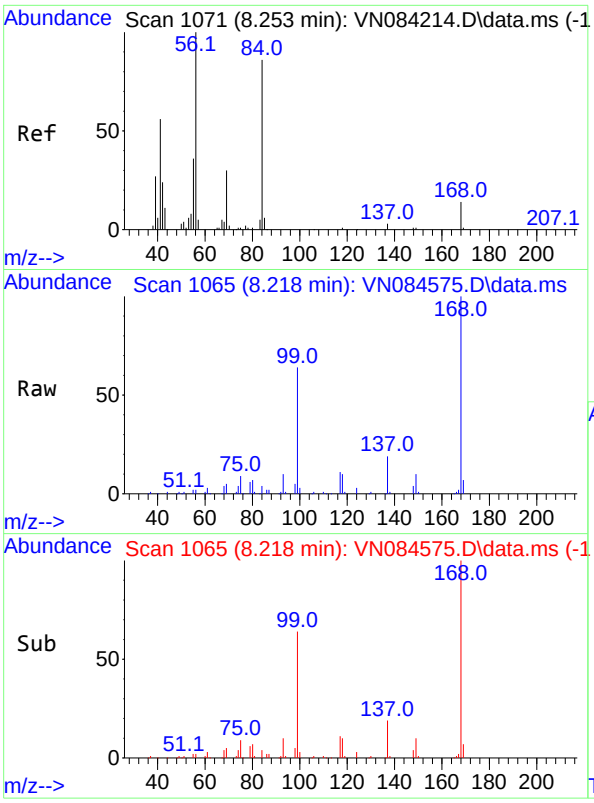


#30
Chloroform
Concen: 0.914 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 83 Resp: 3463

Ion	Ratio	Lower	Upper
83	100		
85	53.6	51.0	76.4



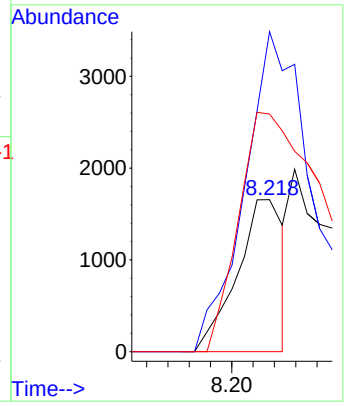


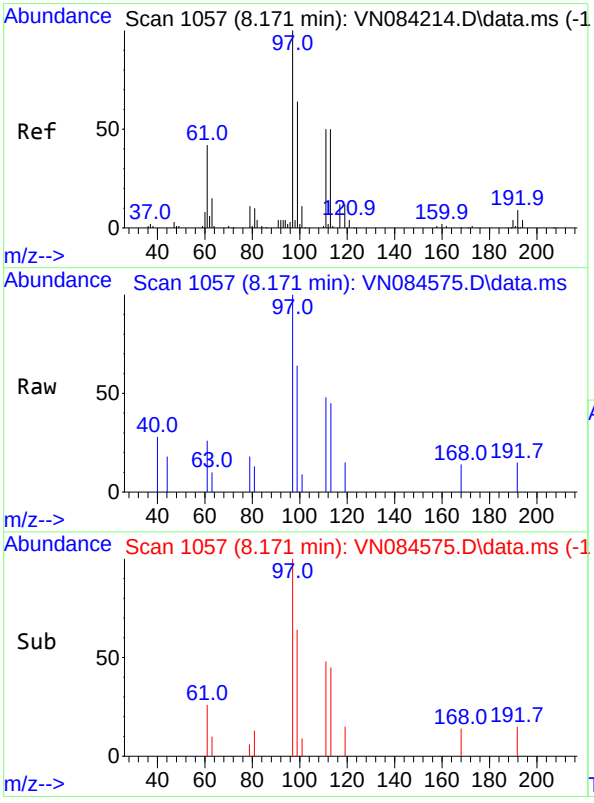
#31
Cyclohexane
Concen: 0.740 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

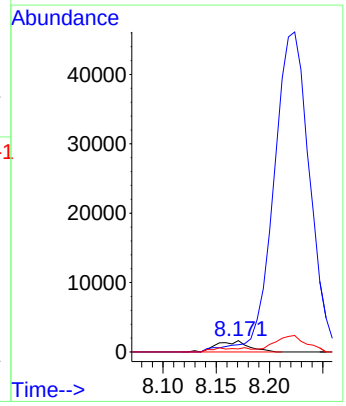


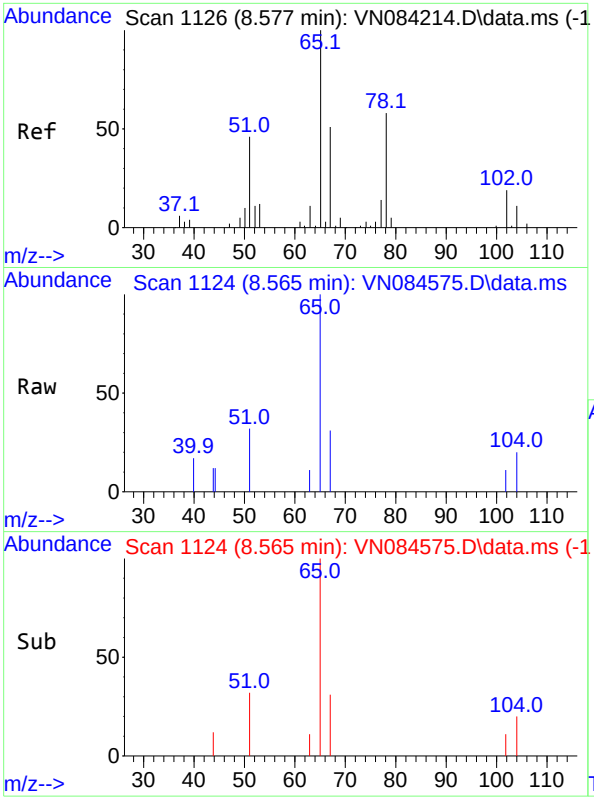


#32
1,1,1-Trichloroethane
Concen: 0.960 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



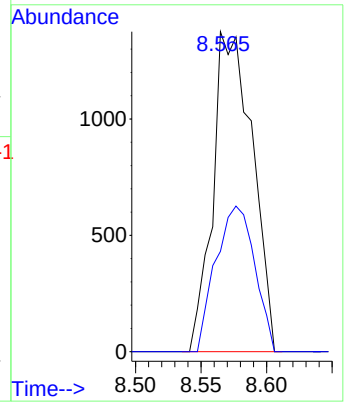


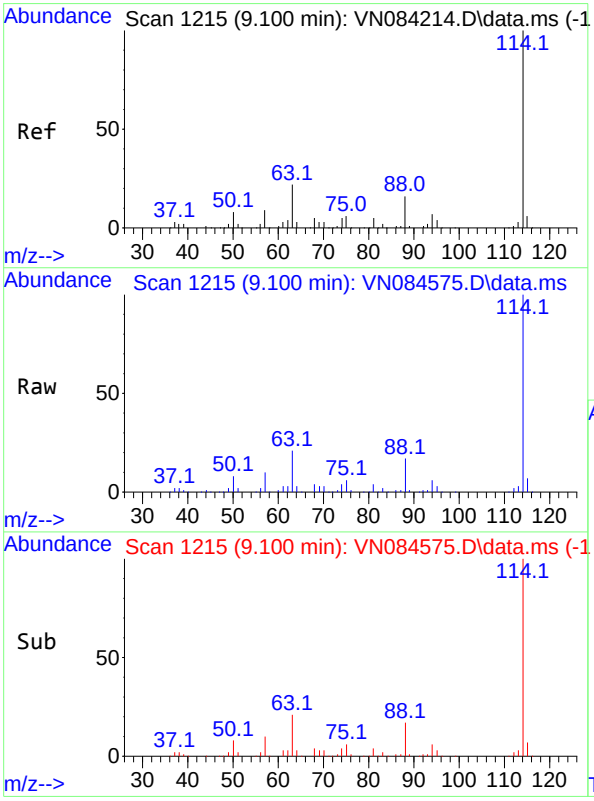
#33
1,2-Dichloroethane-d4
Concen: 1.177 ug/l
RT: 8.565 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2874

Ion	Ratio	Lower	Upper
65	100		
67	45.0	0.0	102.0

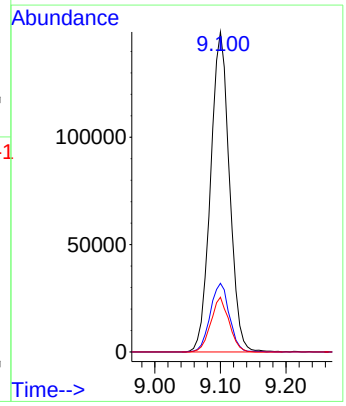


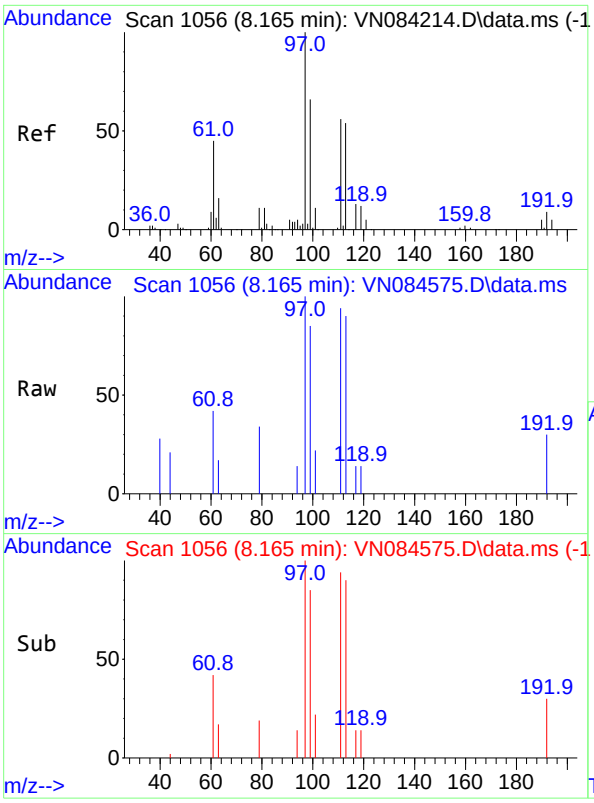


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



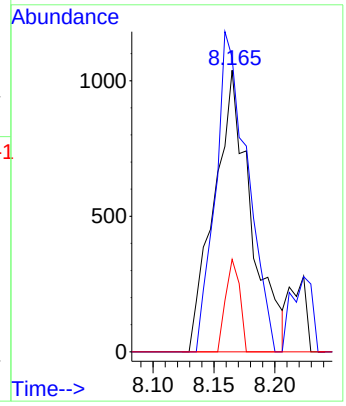


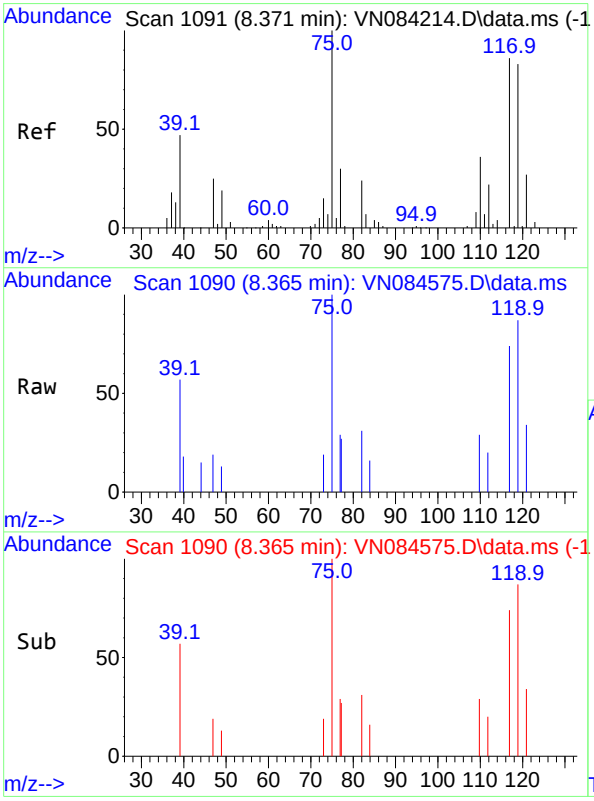
#35
Dibromofluoromethane
Concen: 1.083 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

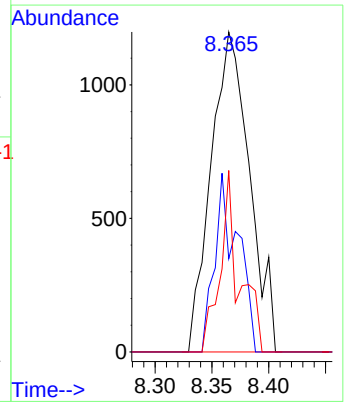


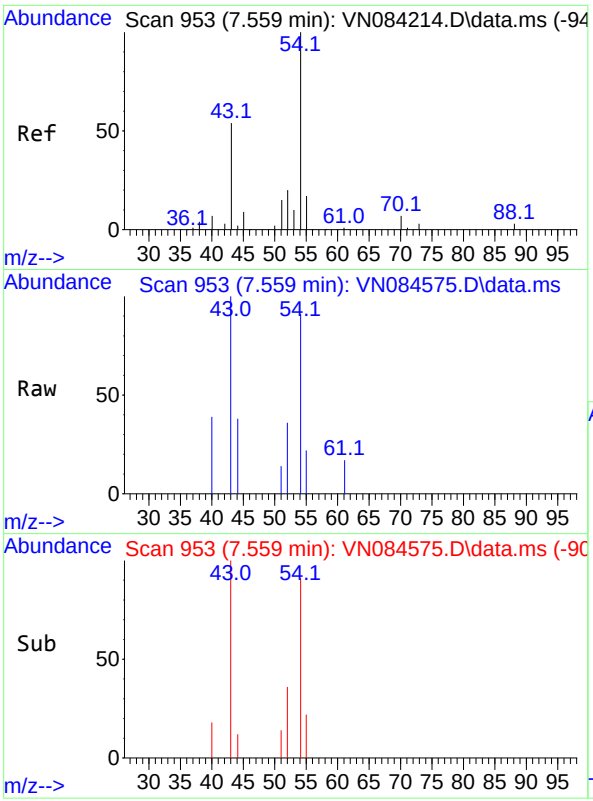


#36
1,1-Dichloropropene
Concen: 1.011 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



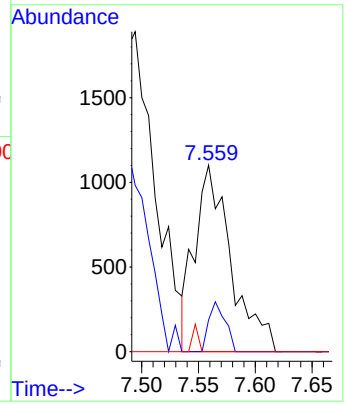


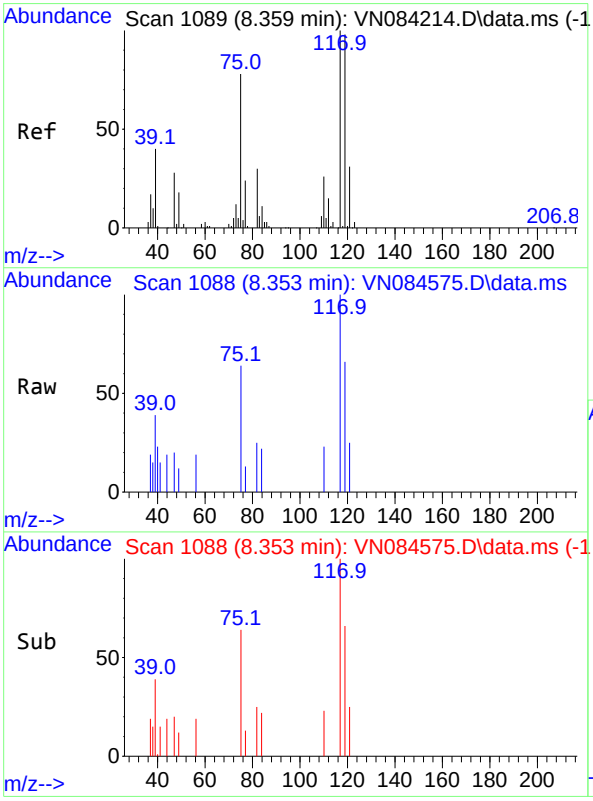
#37
Ethyl Acetate
Concen: 0.962 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

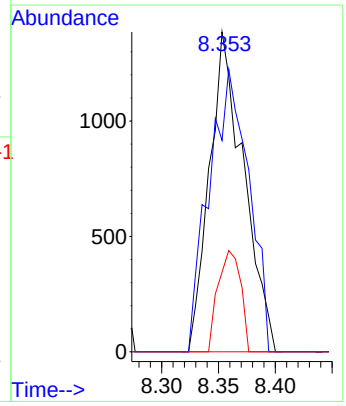


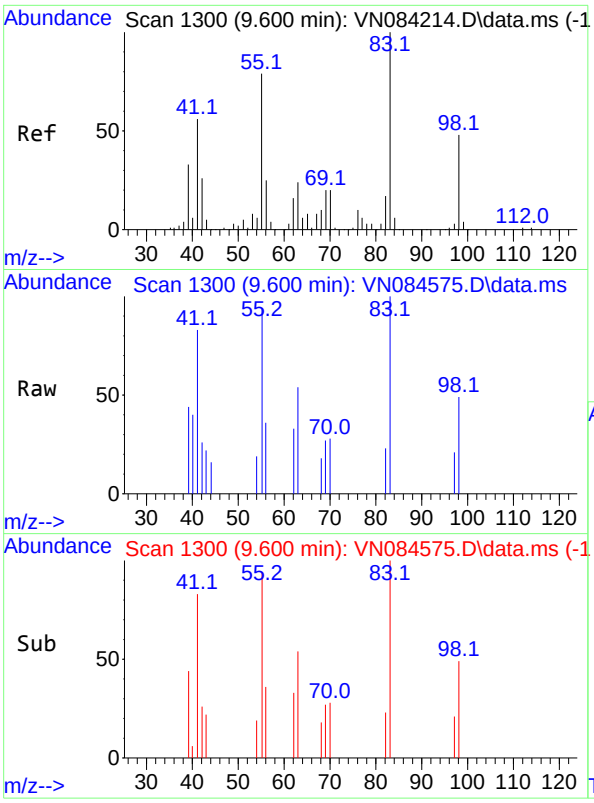


#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



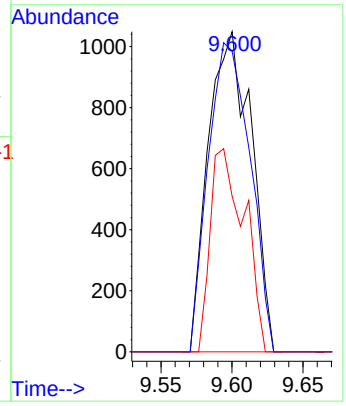


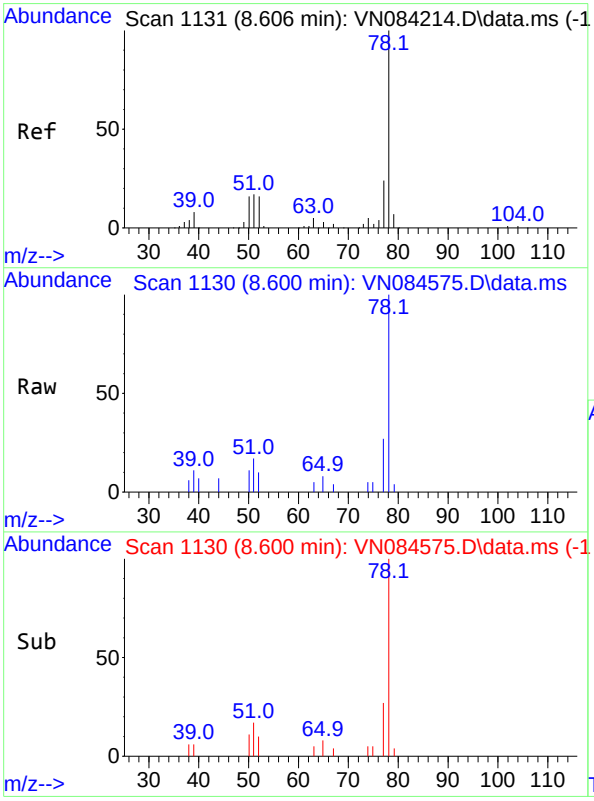
#39
Methylcyclohexane
Concen: 0.778 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

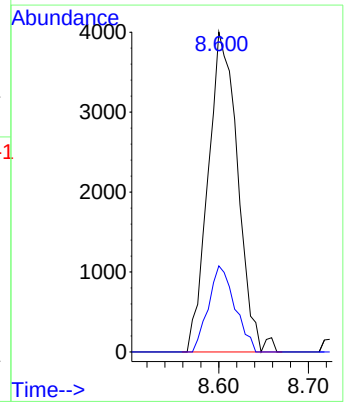


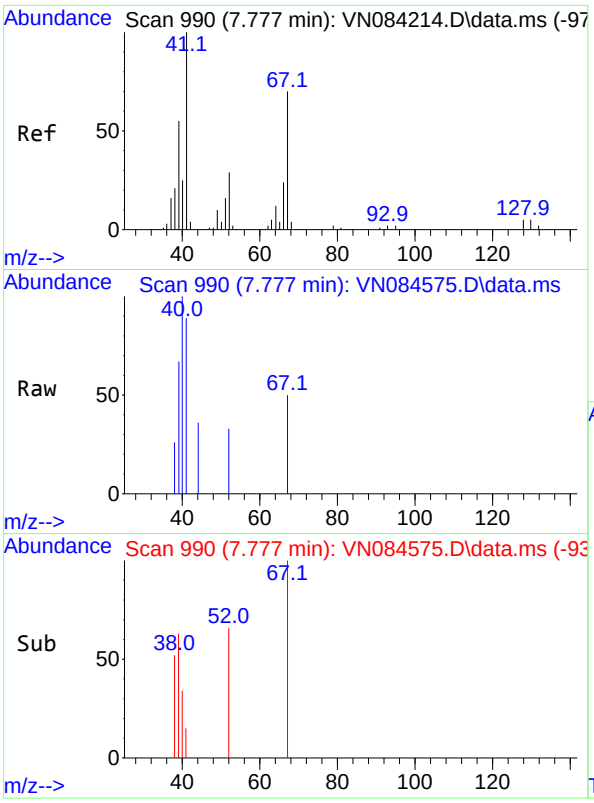


#40
Benzene
Concen: 1.021 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 78 Resp: 9169

Ion	Ratio	Lower	Upper
78	100		
77	26.9	19.1	28.7



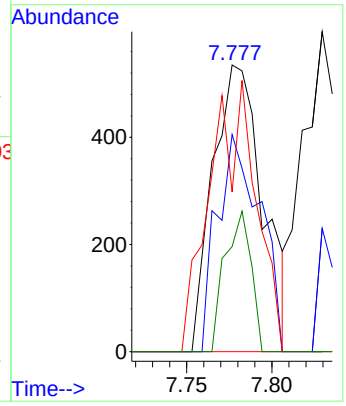


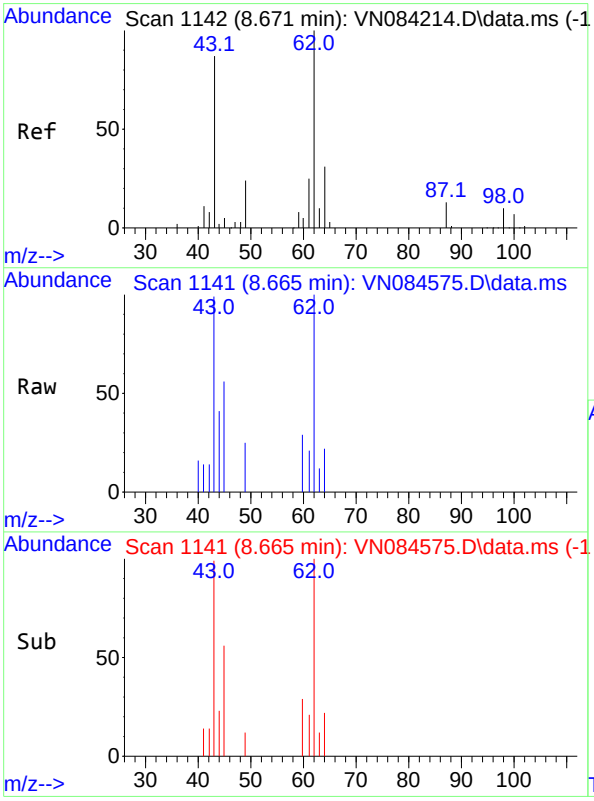
#41
Methacrylonitrile
Concen: 0.803 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

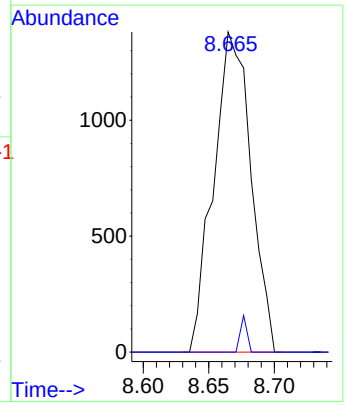


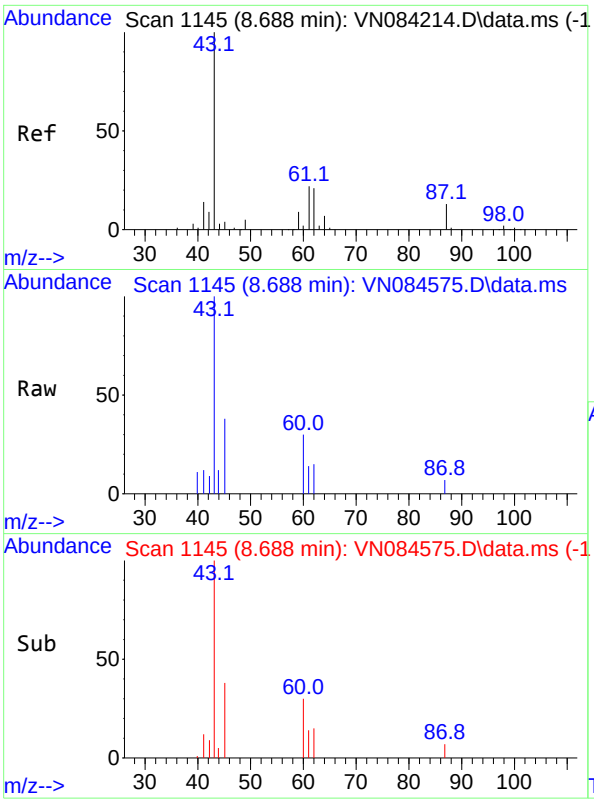


#42
1,2-Dichloroethane
Concen: 0.940 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 62 Resp: 2733

Ion	Ratio	Lower	Upper
62	100		
98	2.0	0.0	18.2



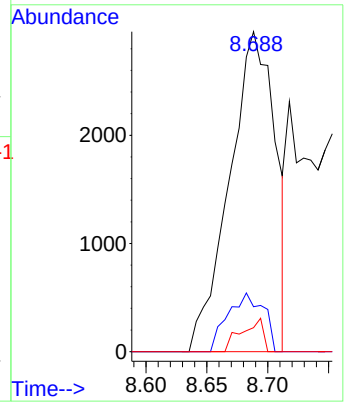


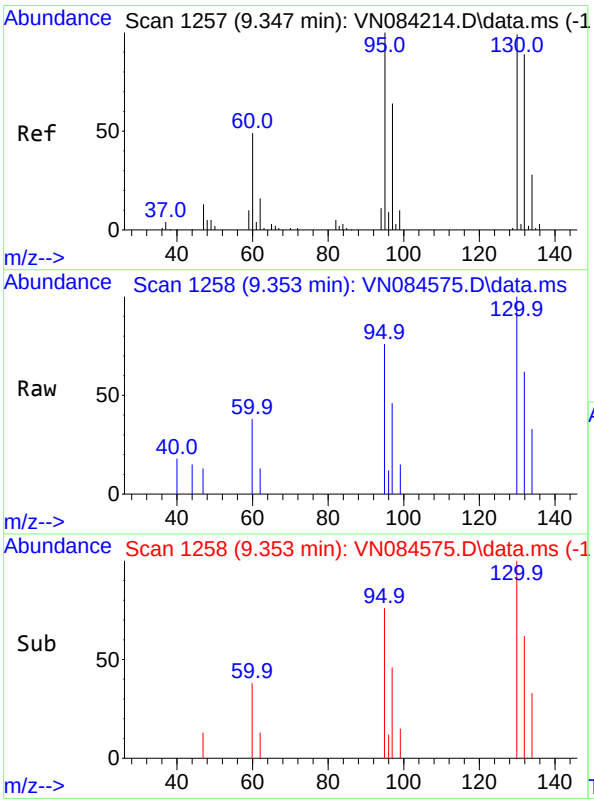
#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

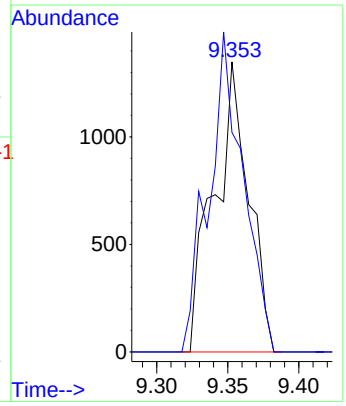


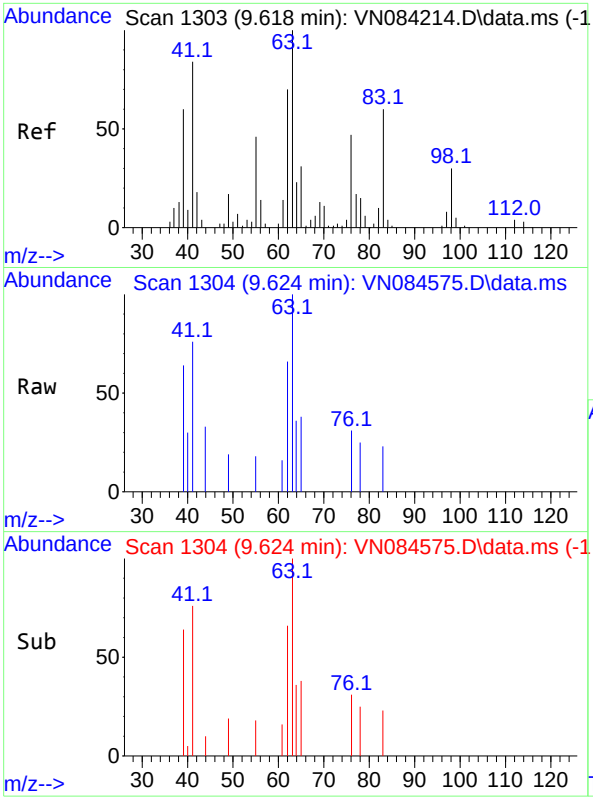


#44
Trichloroethene
Concen: 1.114 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:130 Resp: 2306

Ion	Ratio	Lower	Upper
130	100		
95	75.7	0.0	203.0



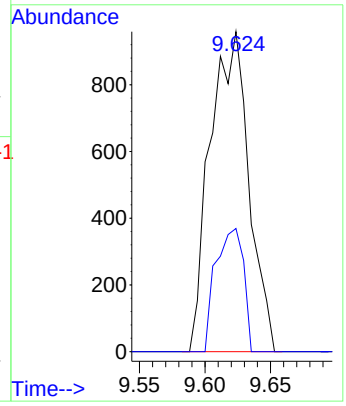


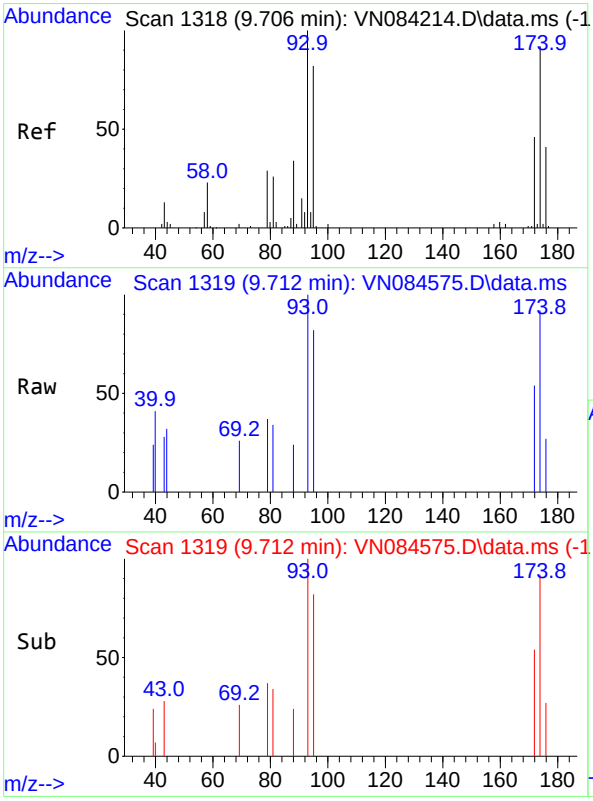
#45
1,2-Dichloropropane
Concen: 0.934 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1967

Ion	Ratio	Lower	Upper
63	100		
65	38.5	24.6	37.0#

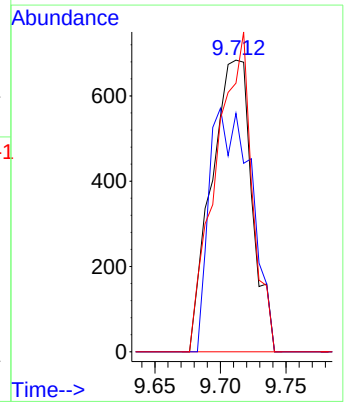


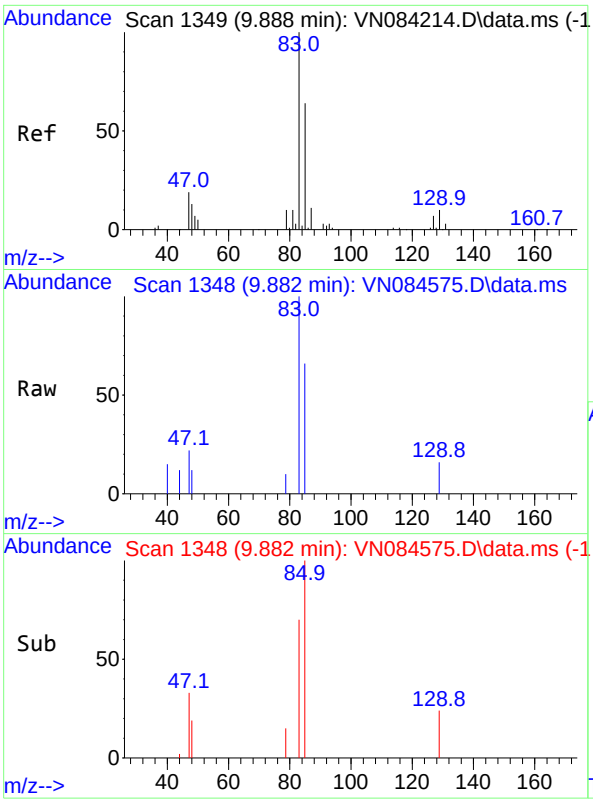


#46
Dibromomethane
Concen: 0.991 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



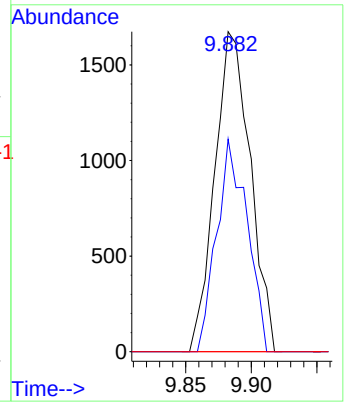


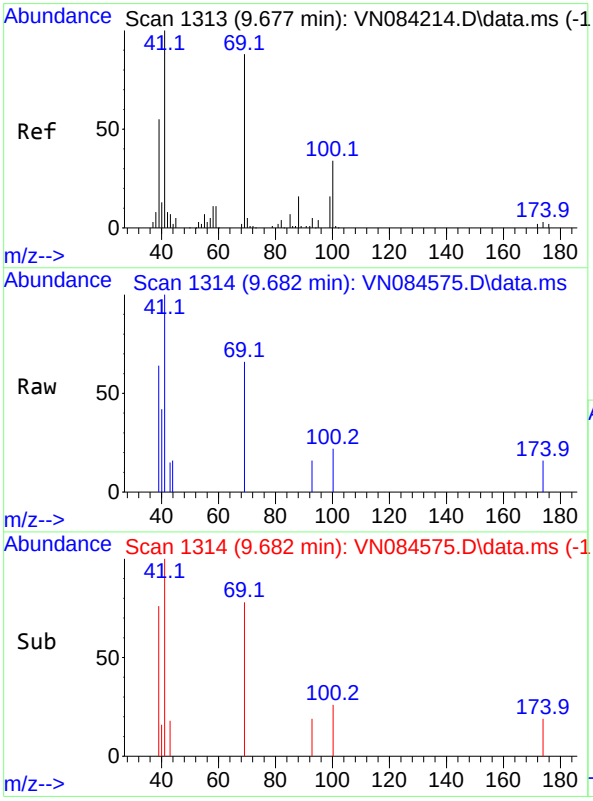
#47
Bromodichloromethane
Concen: 1.008 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

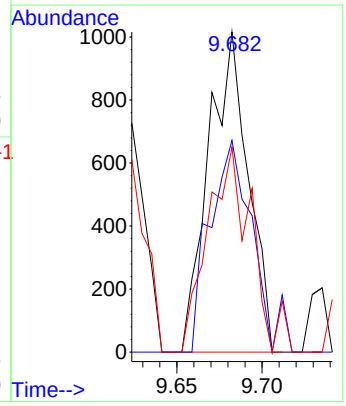


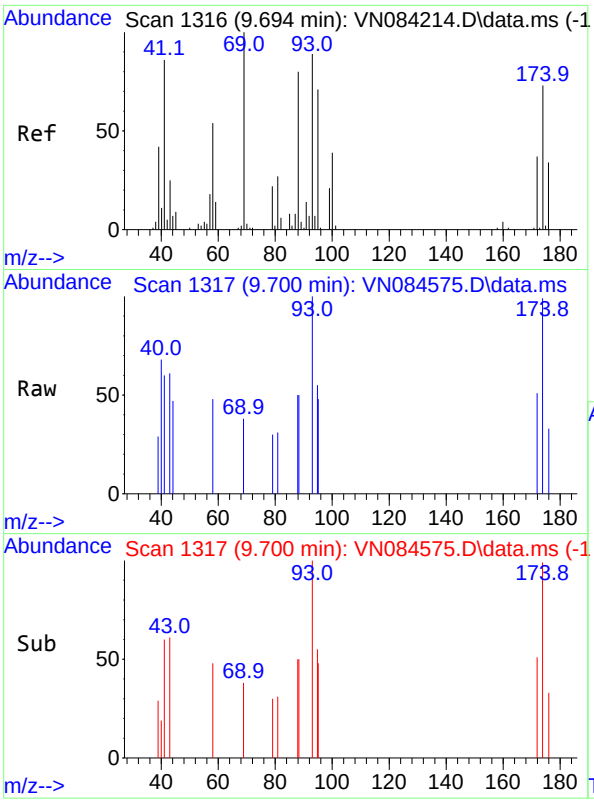


#48
Methyl methacrylate
Concen: 0.837 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



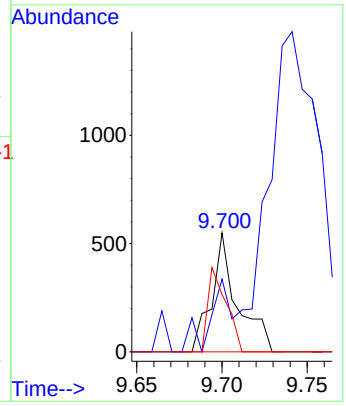


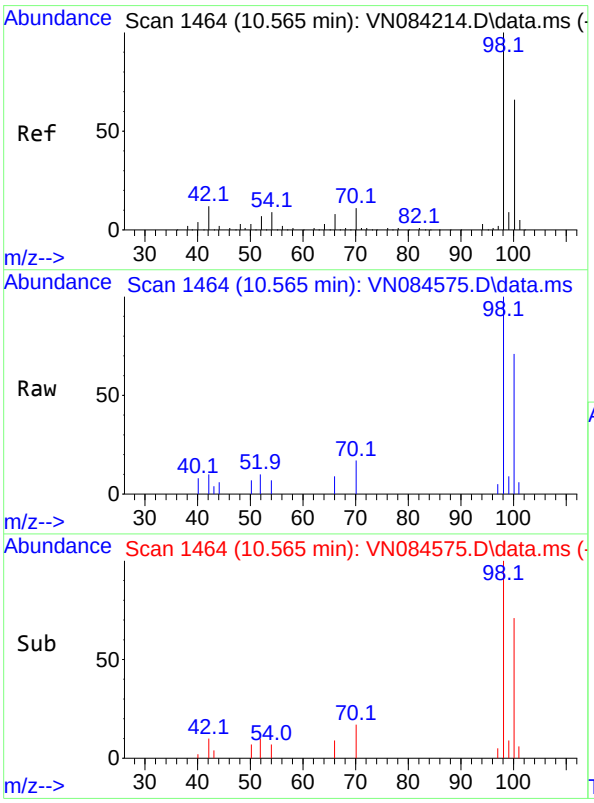
#49
1,4-Dioxane
Concen: 16.468 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

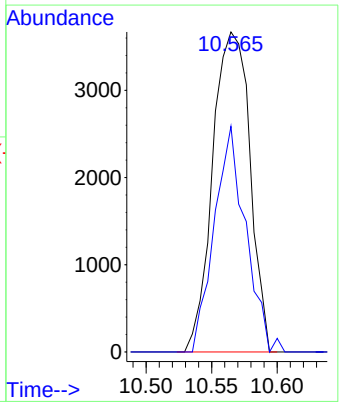


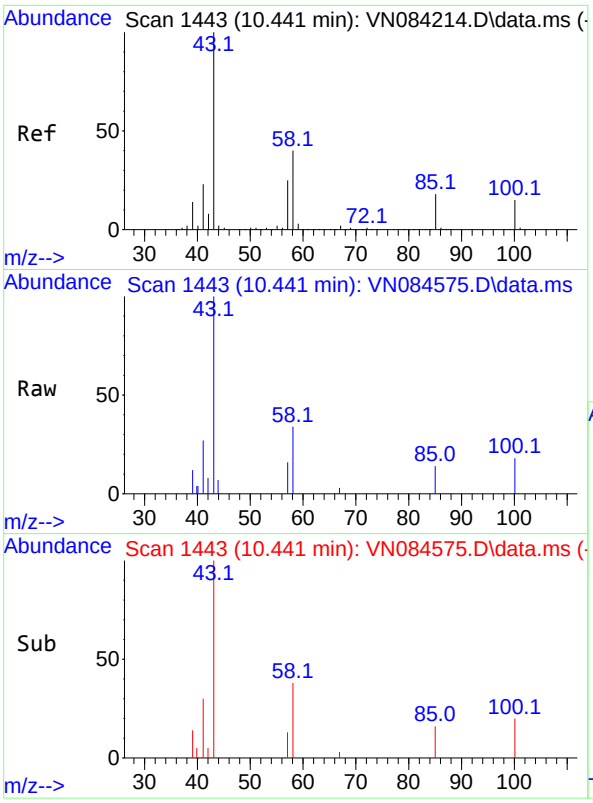


#50
Toluene-d8
Concen: 0.977 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 98 Resp: 7251

Ion	Ratio	Lower	Upper
98	100		
100	59.5	52.7	79.1



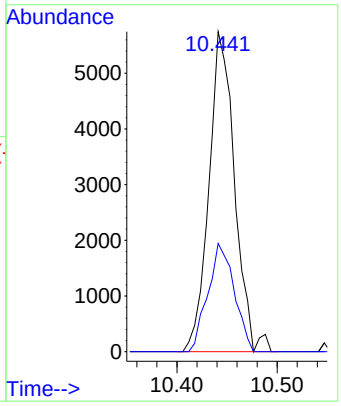


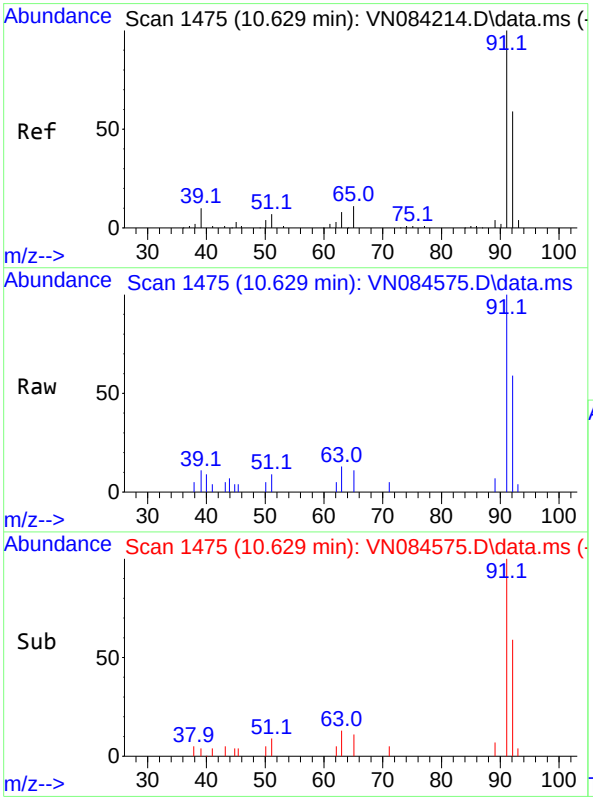
#51
4-Methyl-2-Pentanone
Concen: 4.234 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10237

Ion	Ratio	Lower	Upper
43	100		
58	34.7	31.6	47.4

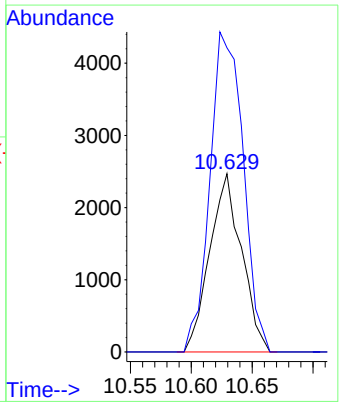


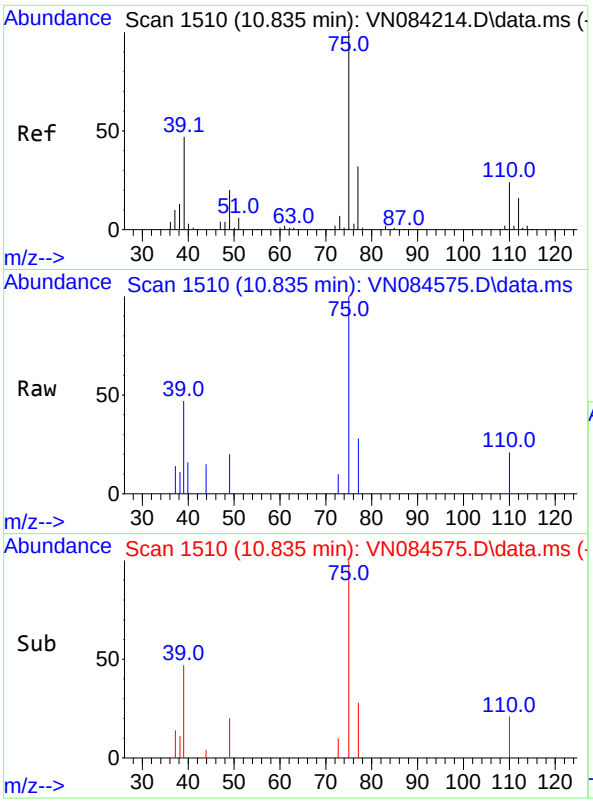


#52
Toluene
Concen: 0.858 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 92 Resp: 4507

Ion	Ratio	Lower	Upper
92	100		
91	187.2	137.3	205.9



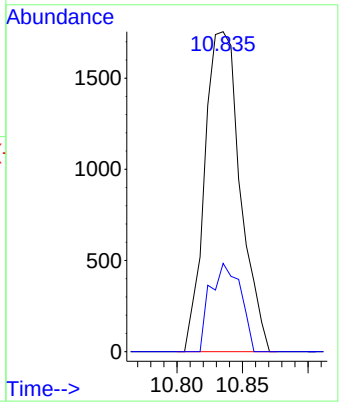


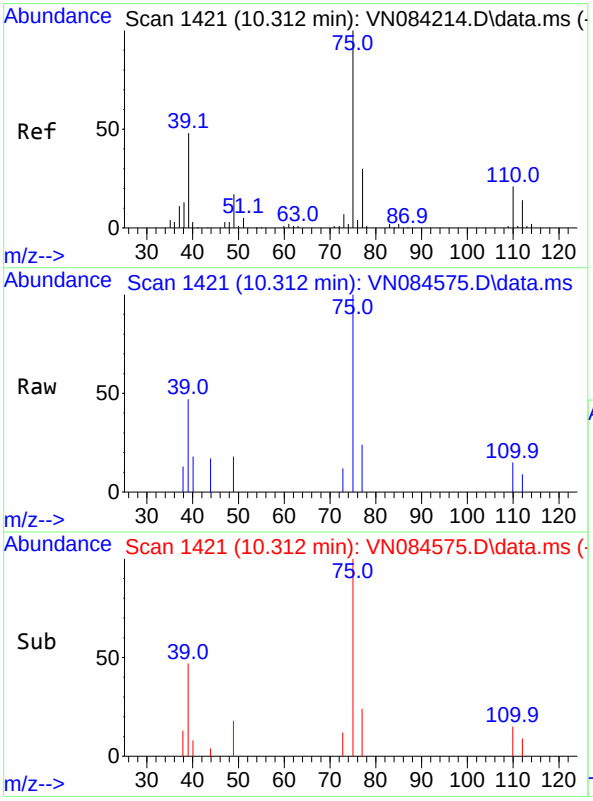
#53
t-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 3308

Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.4	38.0

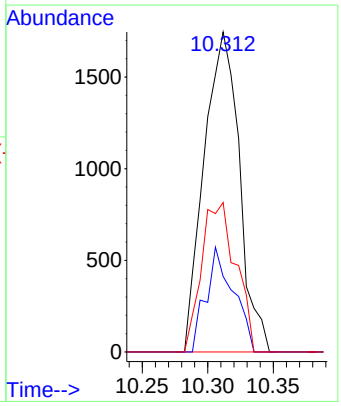


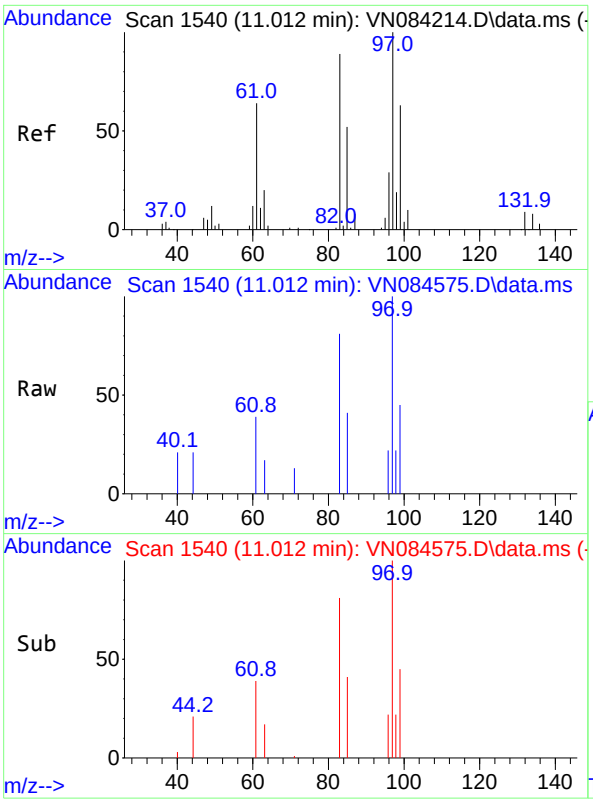


#54
cis-1,3-Dichloropropene
Concen: 0.952 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



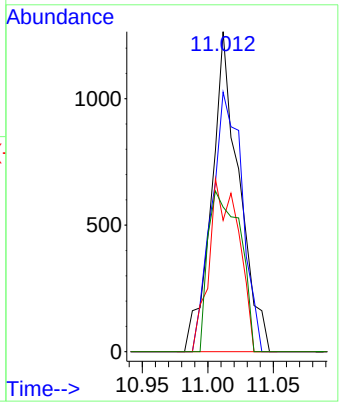


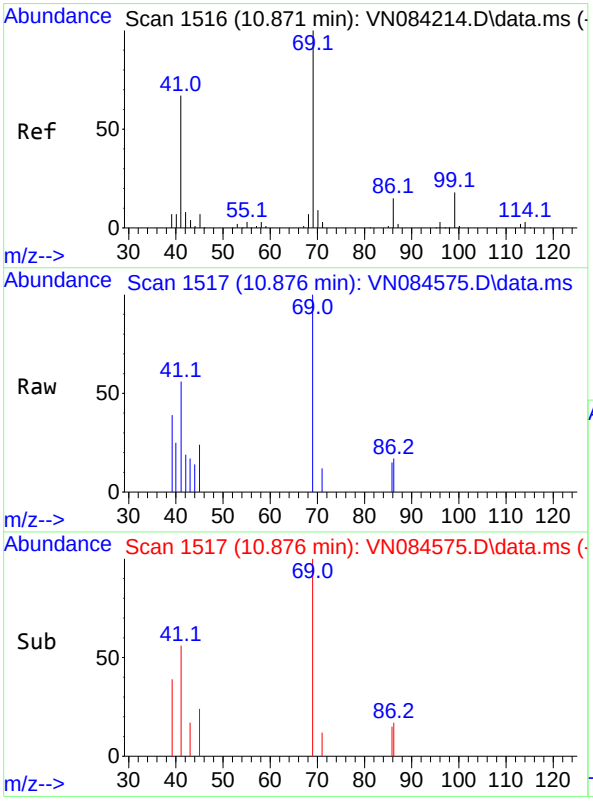
#55
1,1,2-Trichloroethane
Concen: 0.931 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#

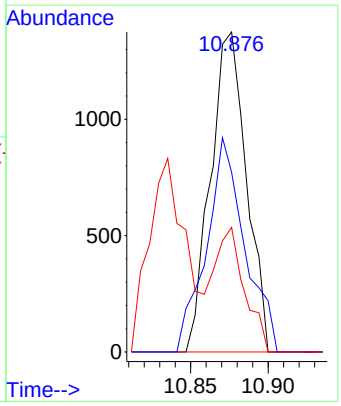


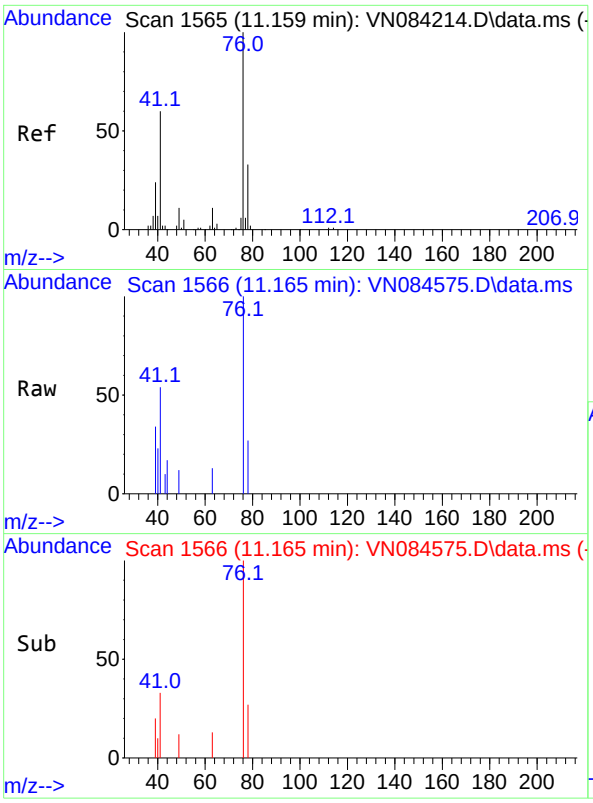


#56
Ethyl methacrylate
Concen: 0.773 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



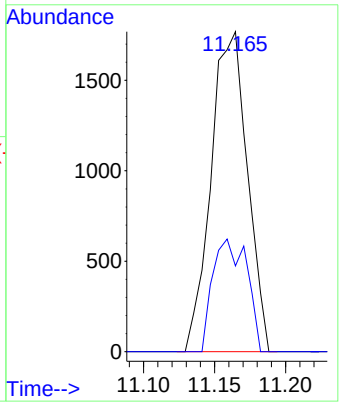


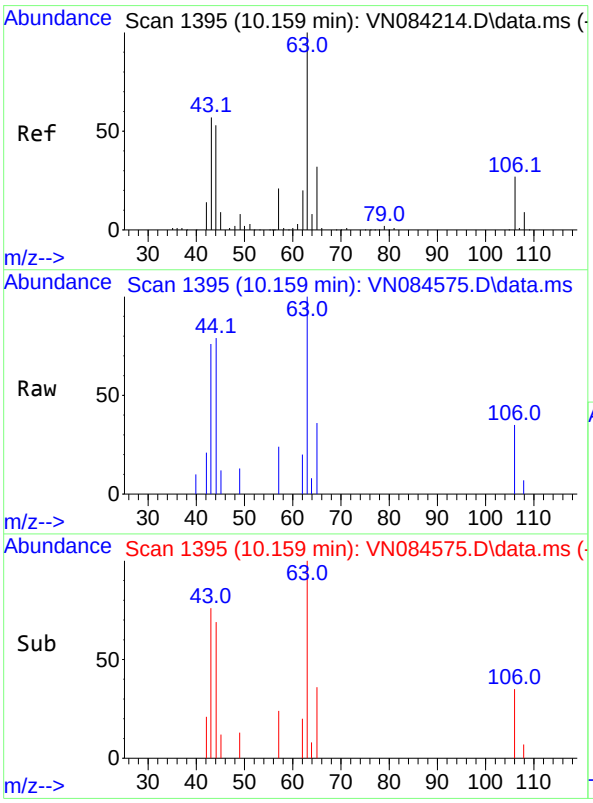
#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3139

Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

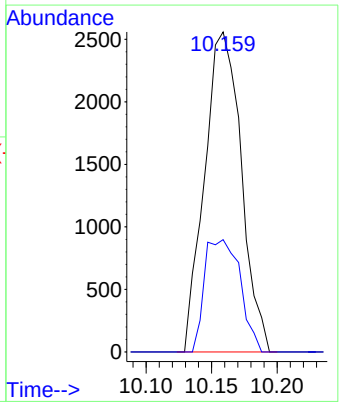


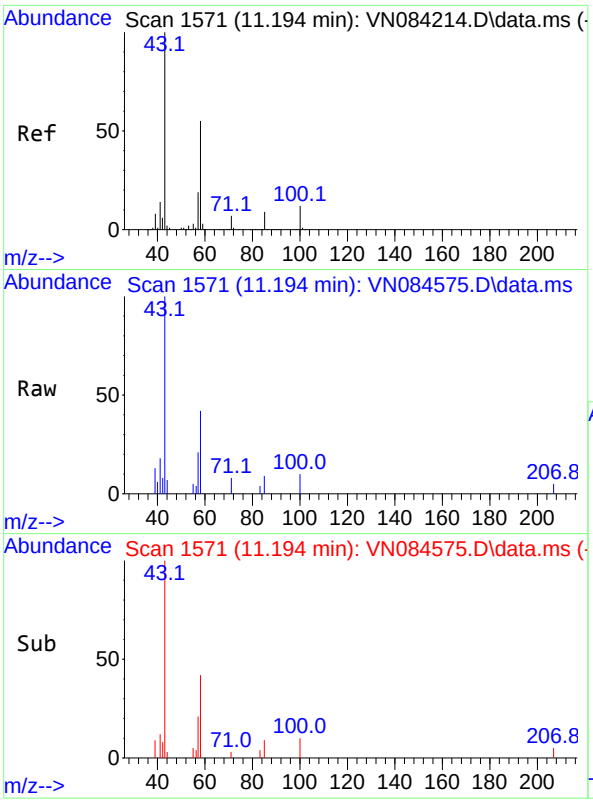


#58
2-Chloroethyl Vinyl ether
Concen: 3.720 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 63 Resp: 4979

Ion	Ratio	Lower	Upper
63	100		
106	34.0	21.8	32.6#



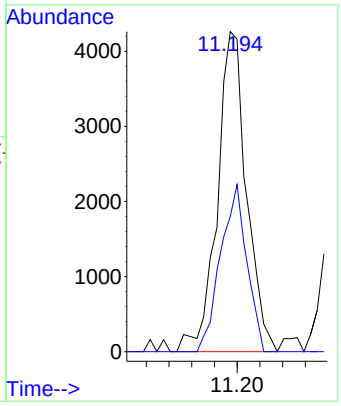


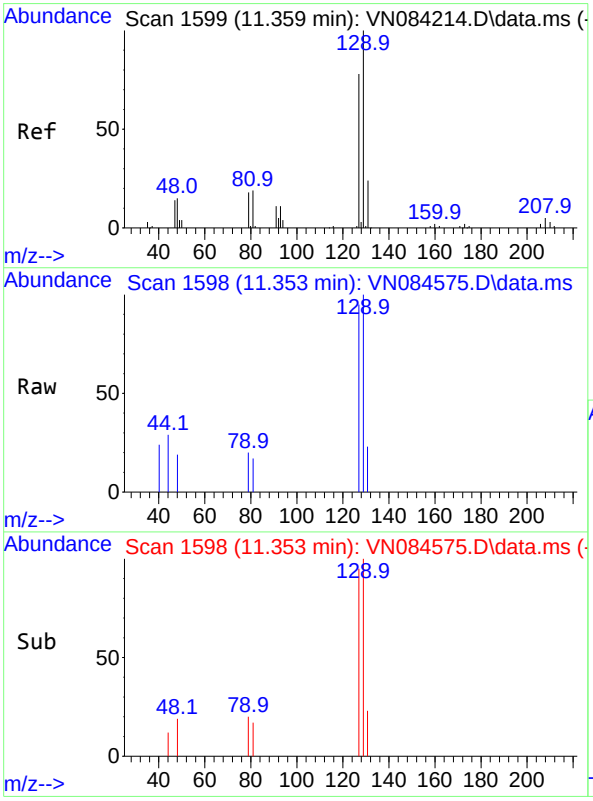
#59
2-Hexanone
Concen: 4.328 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 7617

Ion	Ratio	Lower	Upper
43	100		
58	46.7	27.3	81.8

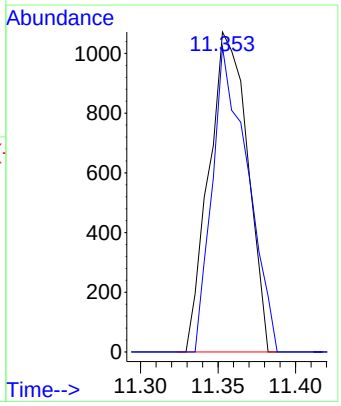


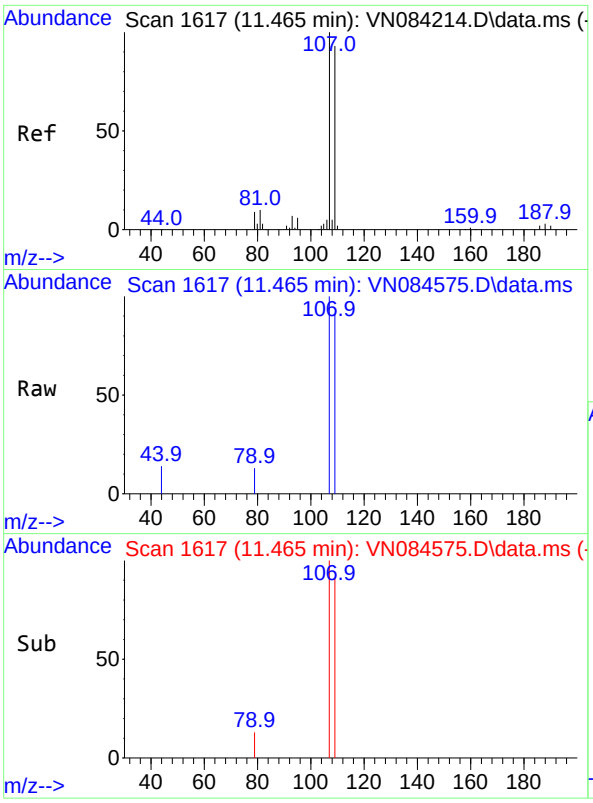


#60
Dibromochloromethane
Concen: 0.824 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:129 Resp: 1857

Ion	Ratio	Lower	Upper
129	100		
127	87.2	38.3	114.9



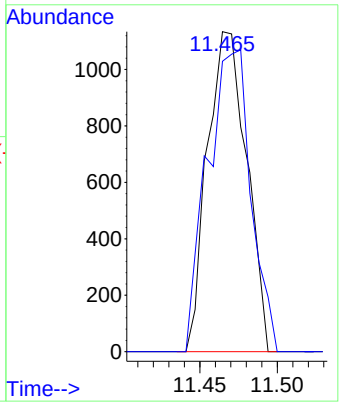


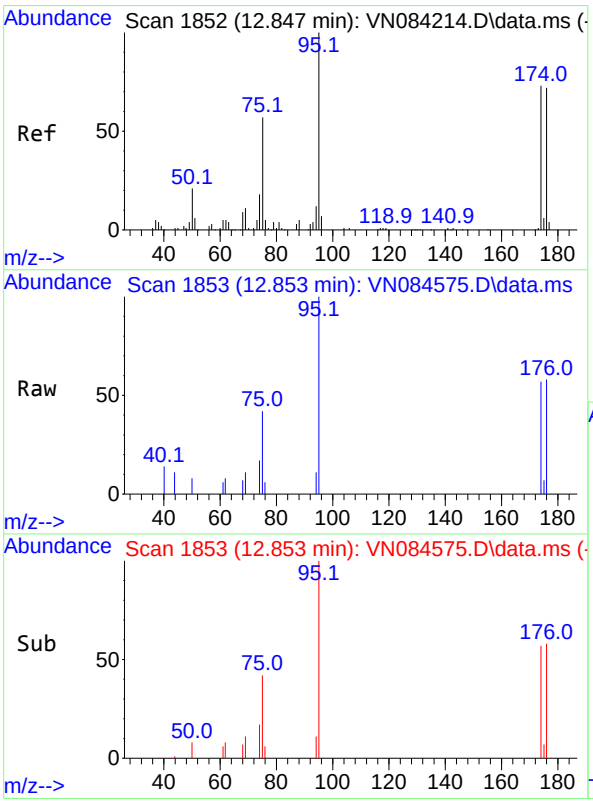
#61
1,2-Dibromoethane
Concen: 0.988 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 2001

Ion	Ratio	Lower	Upper
107	100		
109	104.4	75.4	113.0

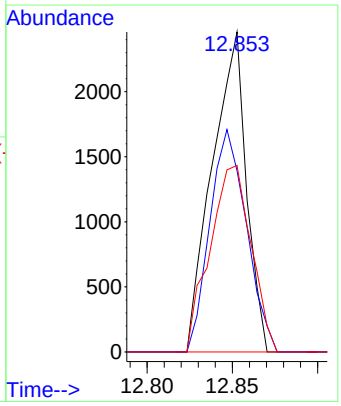


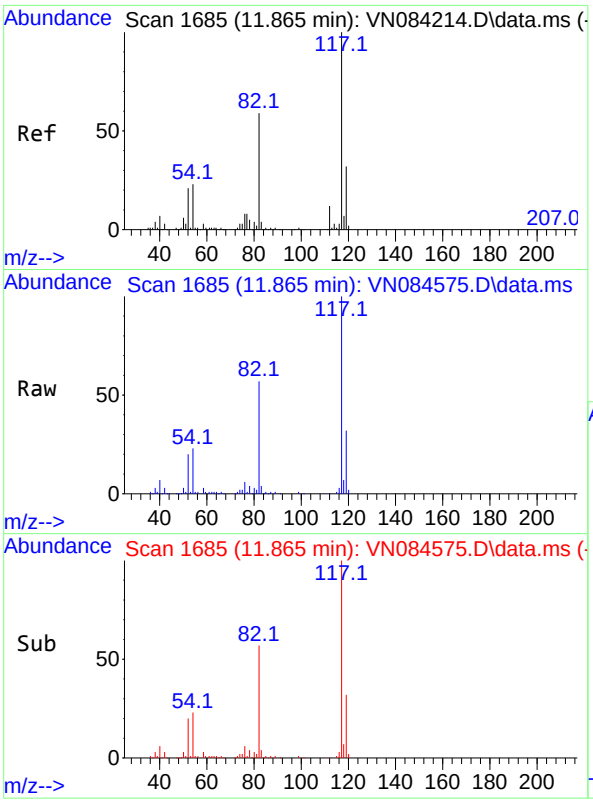


#62
4-Bromofluorobenzene
Concen: 1.233 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



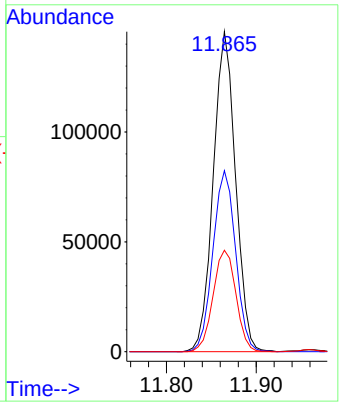


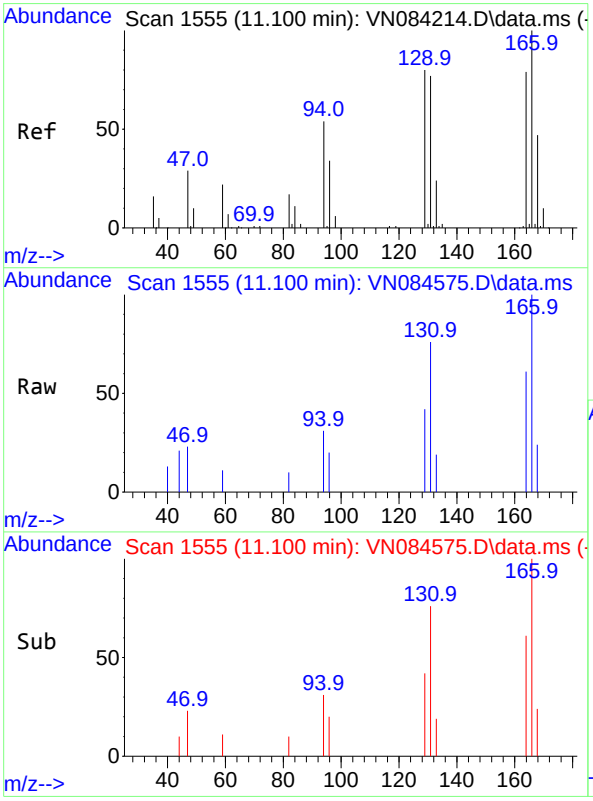
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

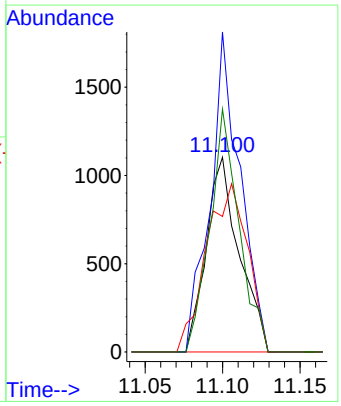


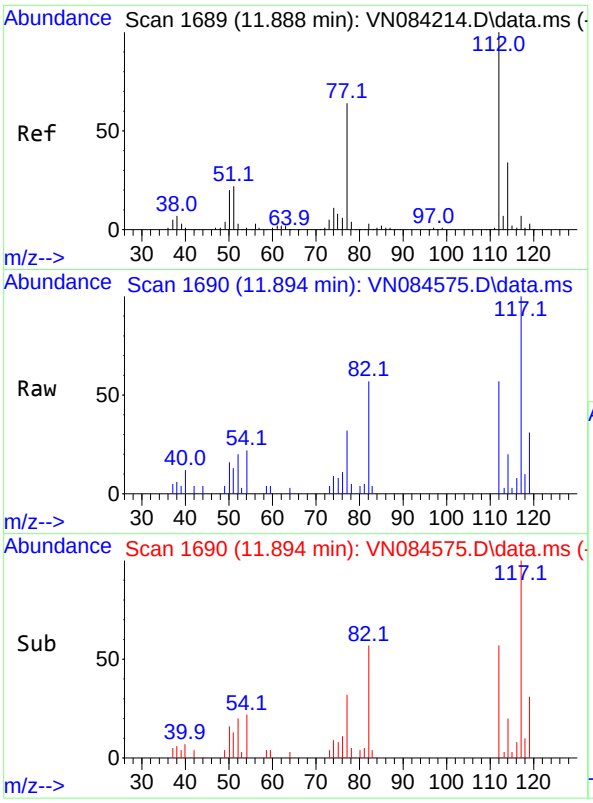


#64
Tetrachloroethene
Concen: 0.976 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



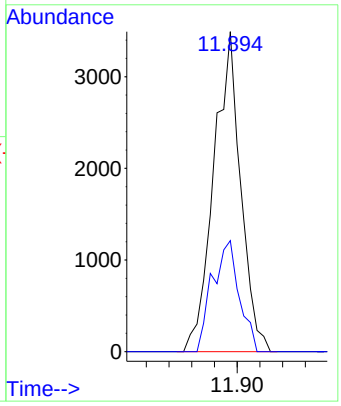


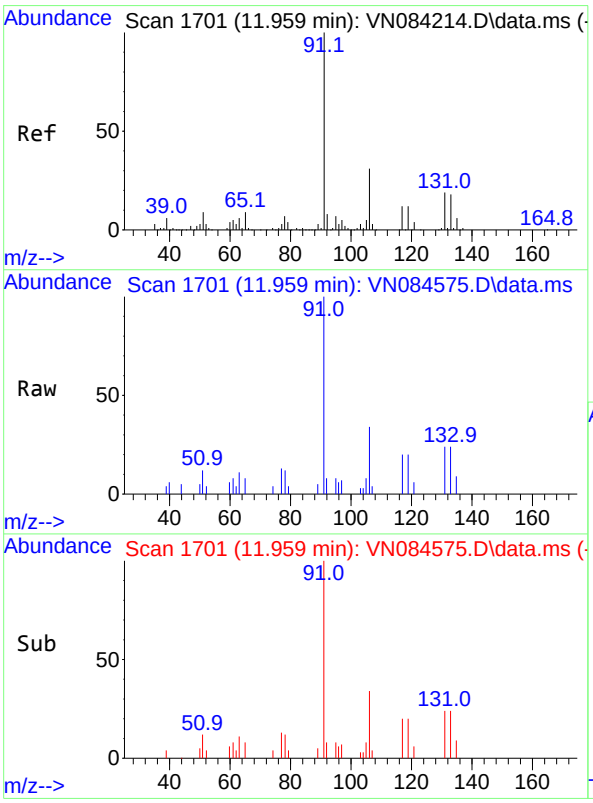
#65
Chlorobenzene
Concen: 1.025 ug/l
RT: 11.894 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 5753

Ion	Ratio	Lower	Upper
112	100		
114	34.7	27.0	40.6

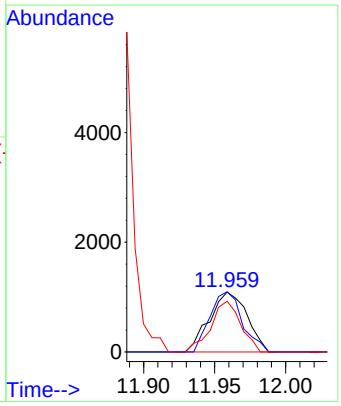


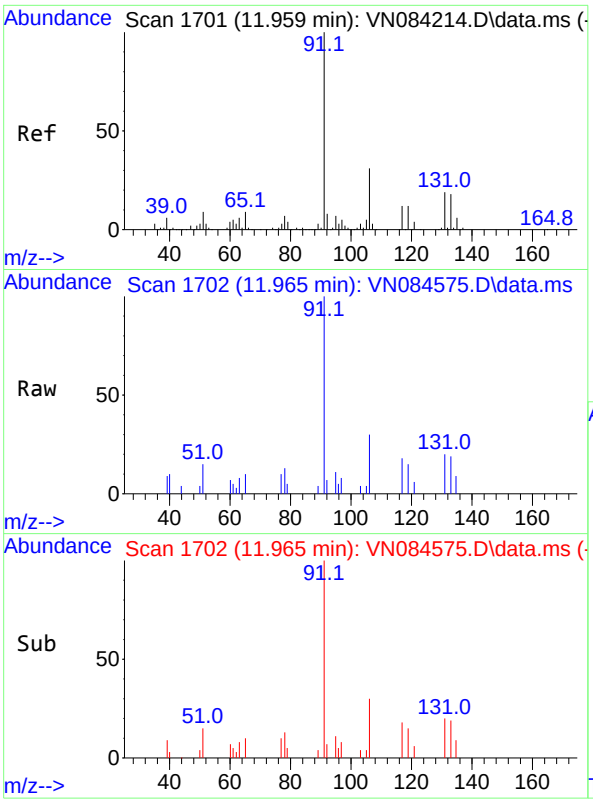


#66
1,1,1,2-Tetrachloroethane
Concen: 1.025 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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#



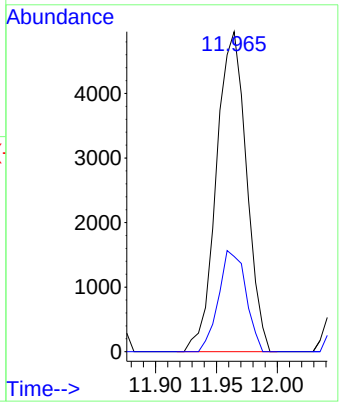


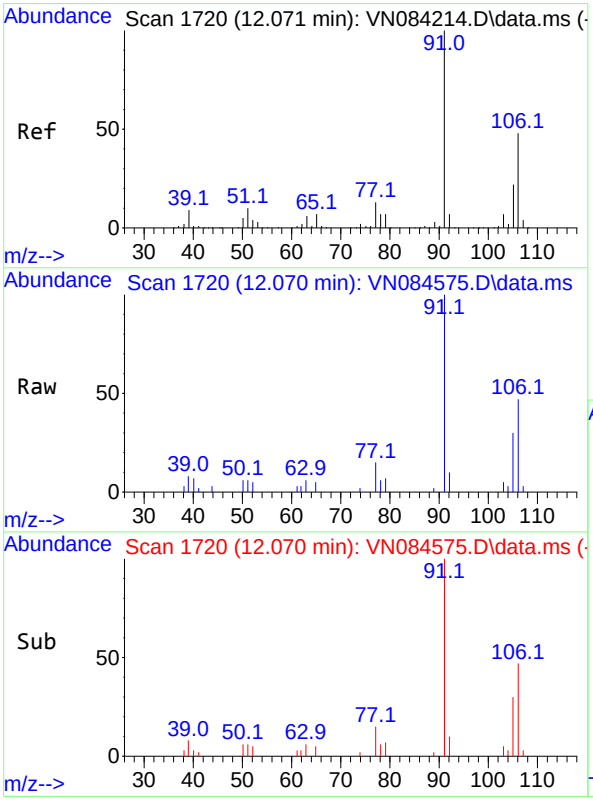
#67
Ethyl Benzene
Concen: 0.909 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 8520

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.5	36.7

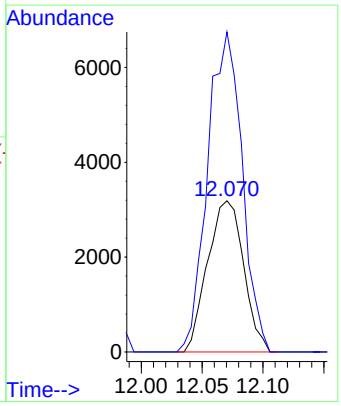


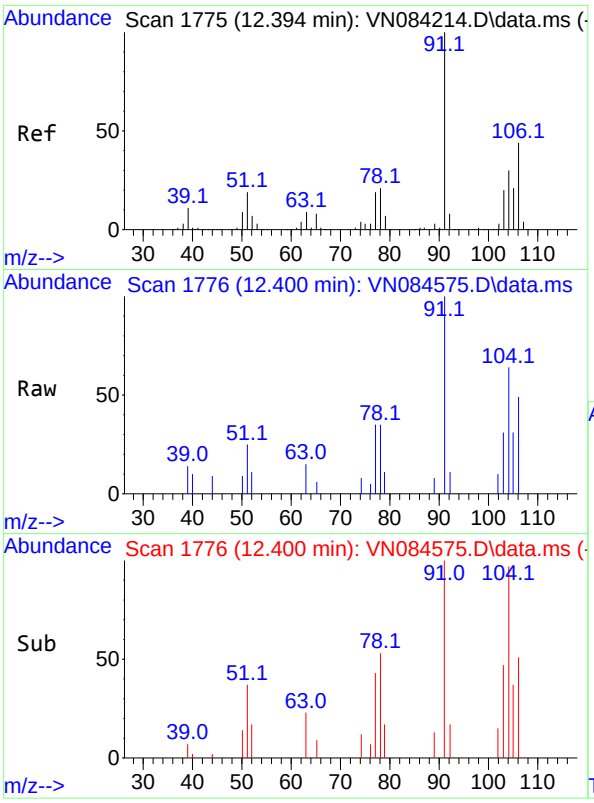


#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:106 Resp: 6568

Ion	Ratio	Lower	Upper
106	100		
91	202.9	167.1	250.7



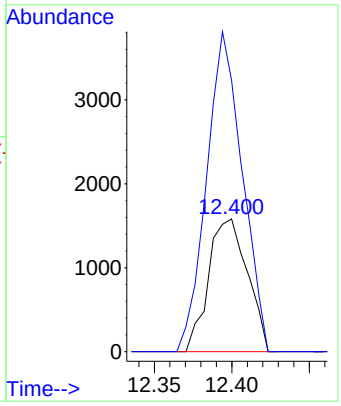


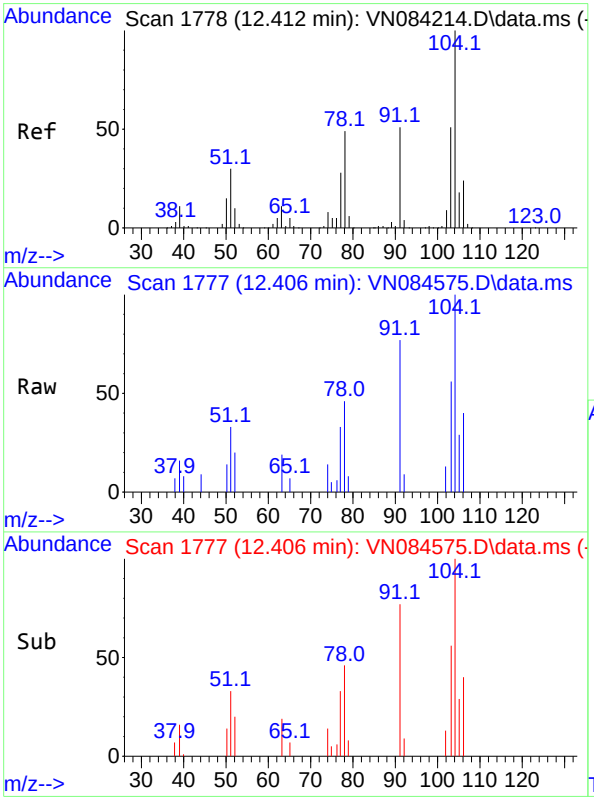
#69
o-Xylene
Concen: 0.831 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2759

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

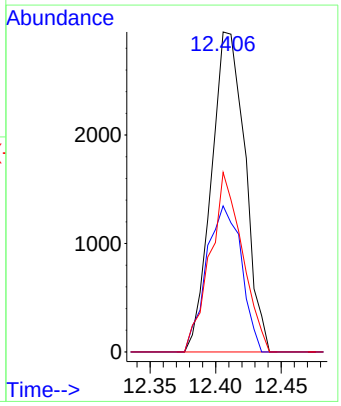


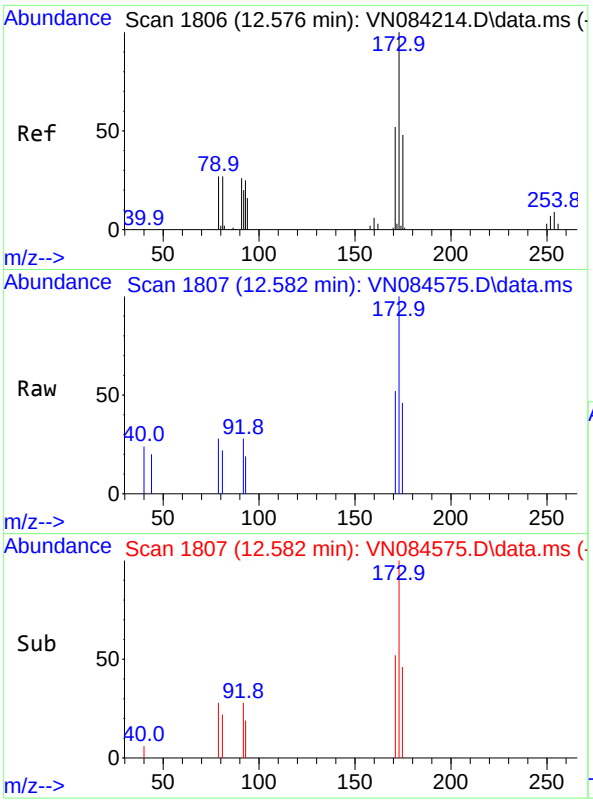


#70
Styrene
Concen: 0.910 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



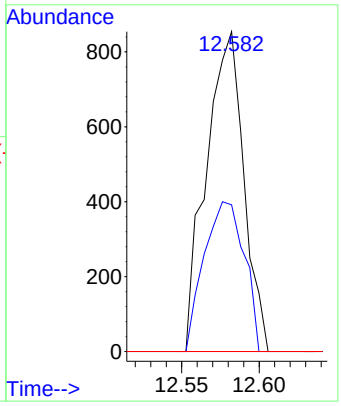


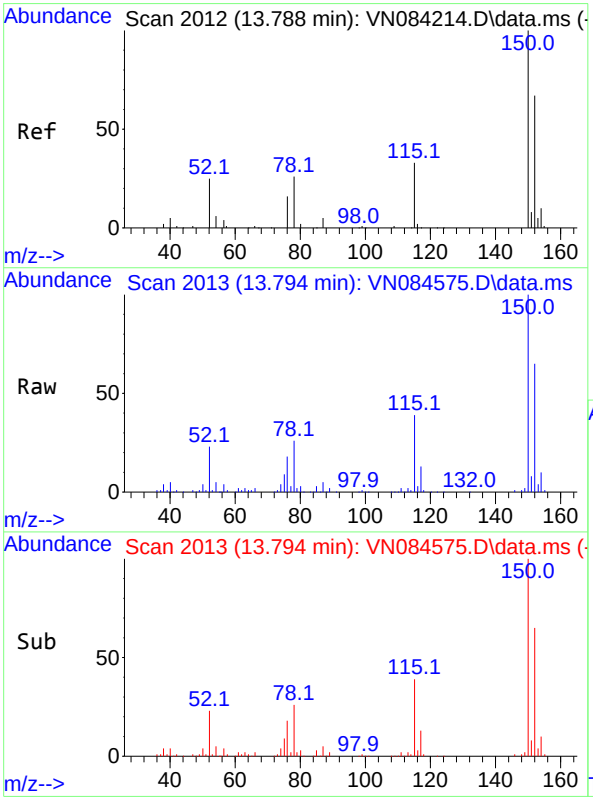
#71
Bromoform
Concen: 0.976 ug/l
RT: 12.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

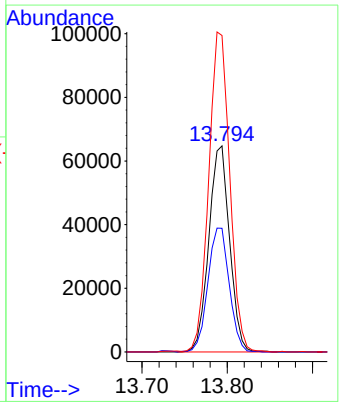


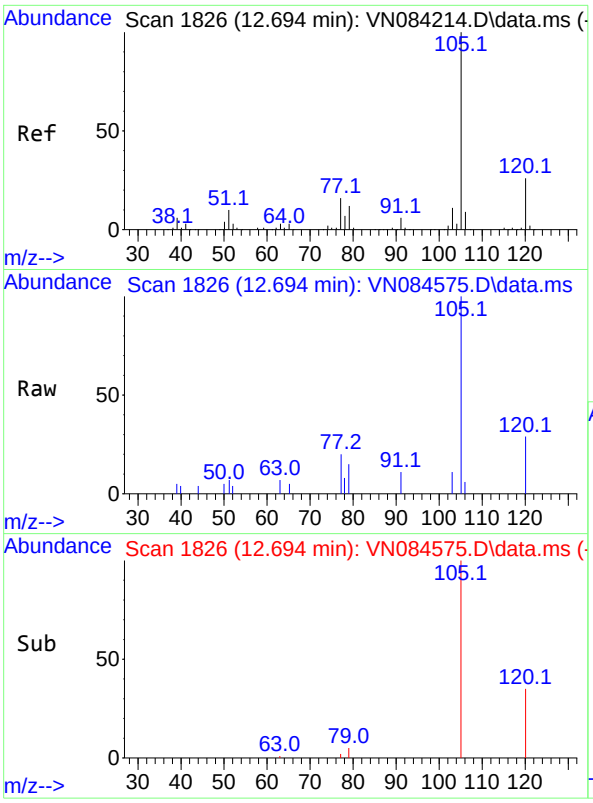


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



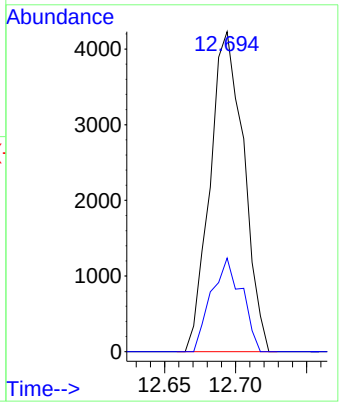


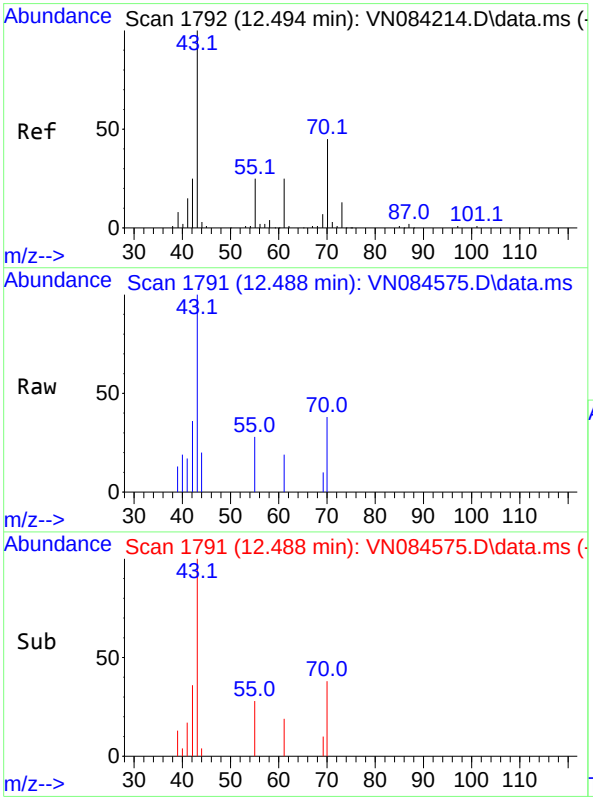
#73
Isopropylbenzene
Concen: 0.910 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6985

Ion	Ratio	Lower	Upper
105	100		
120	26.5	12.9	38.7

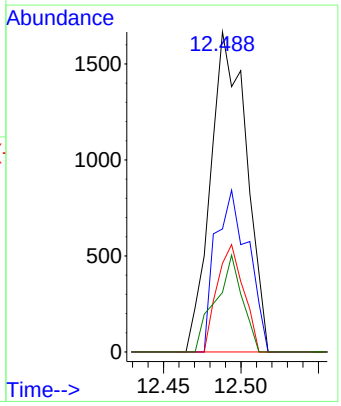


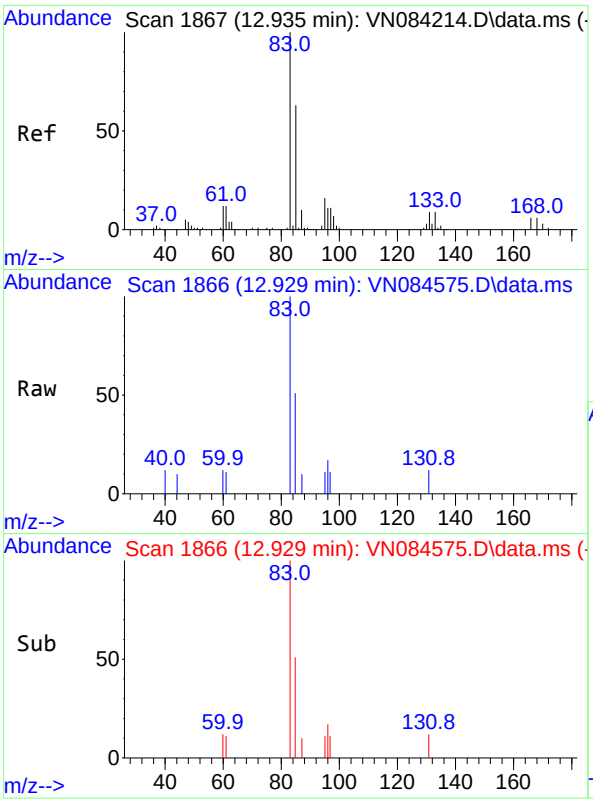


#74
N-amyl acetate
Concen: 0.820 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



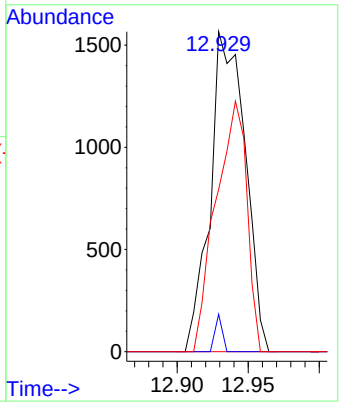


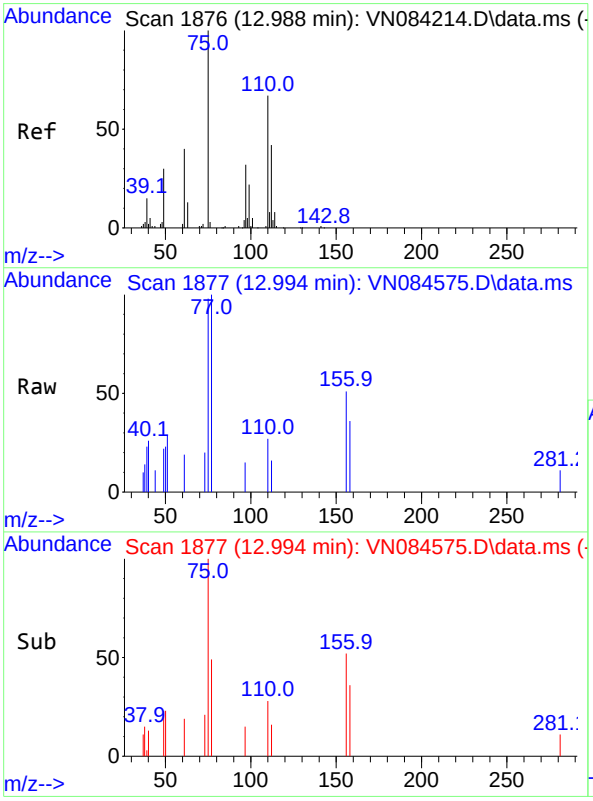
#75
1,1,2,2-Tetrachloroethane
Concen: 1.045 ug/l
RT: 12.929 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

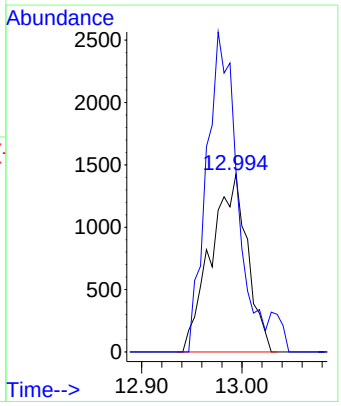


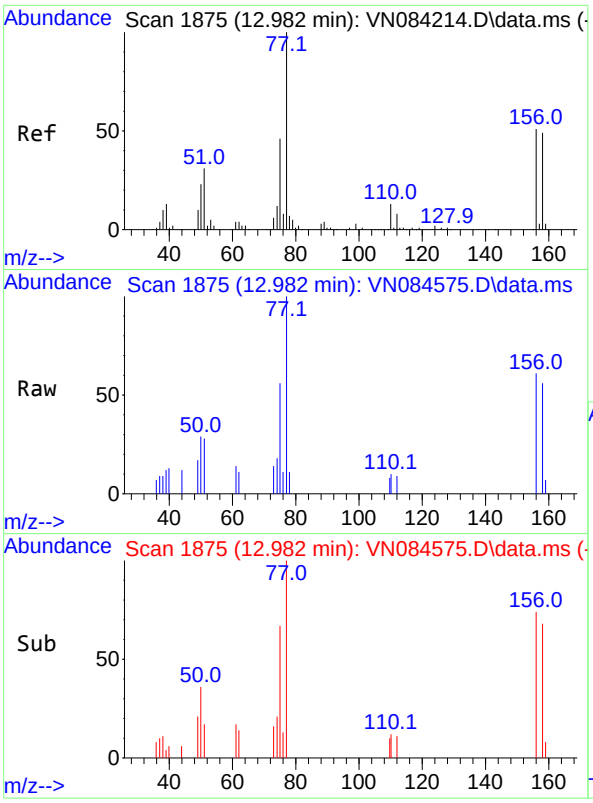


#76
1,2,3-Trichloropropane
Concen: 1.670 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 75 Resp: 3610

Ion	Ratio	Lower	Upper
75	100		
77	151.0	96.9	290.7



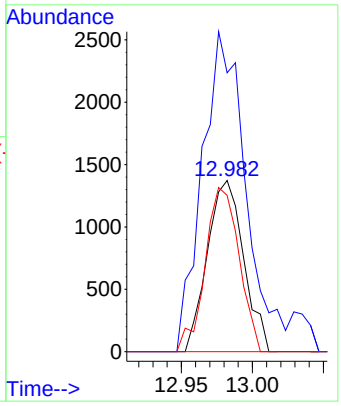


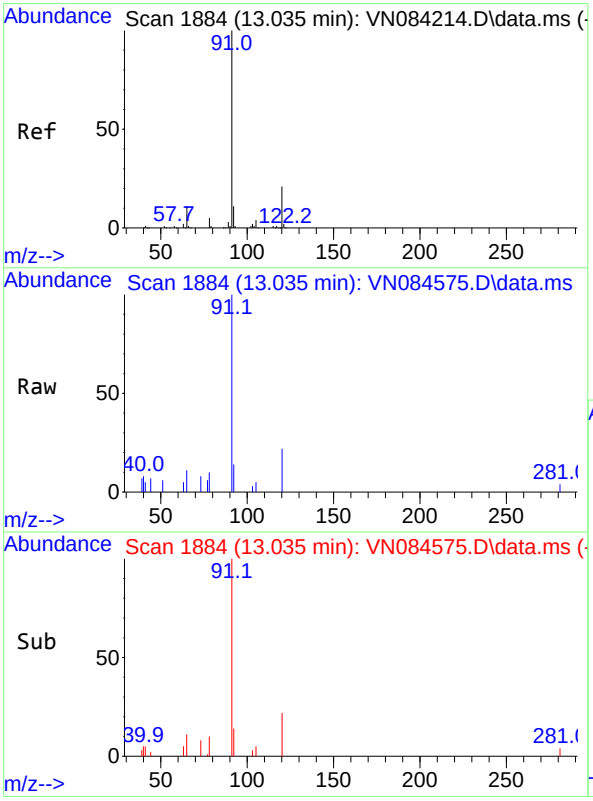
#77
Bromobenzene
Concen: 1.182 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

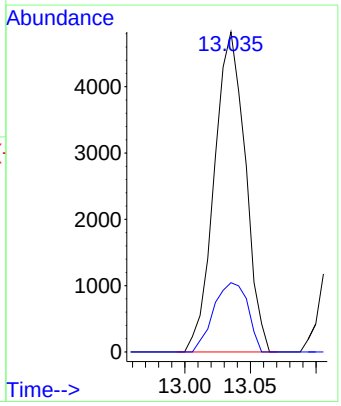


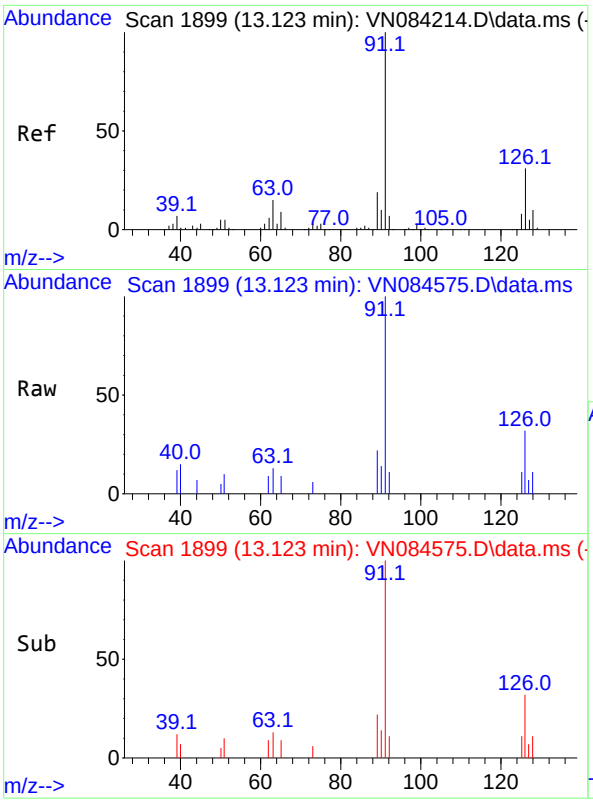


#78
n-propylbenzene
Concen: 0.882 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 7935

Ion	Ratio	Lower	Upper
91	100		
120	23.8	10.8	32.4



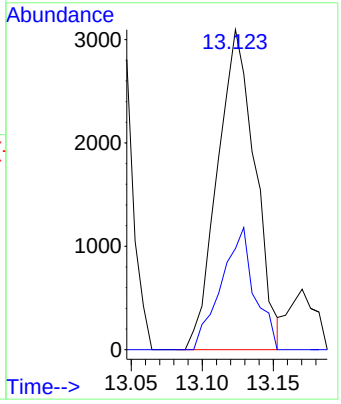


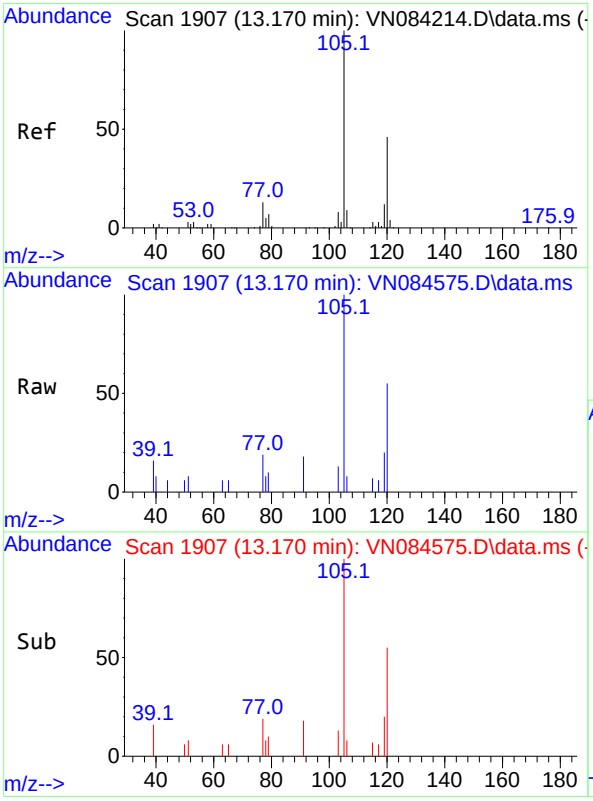
#79
2-Chlorotoluene
Concen: 0.969 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5699

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1

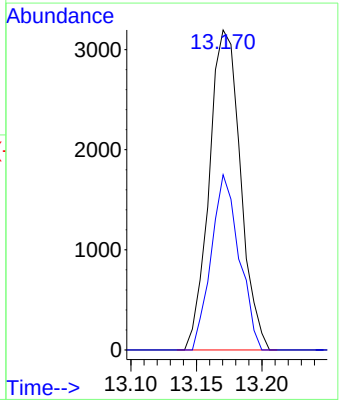


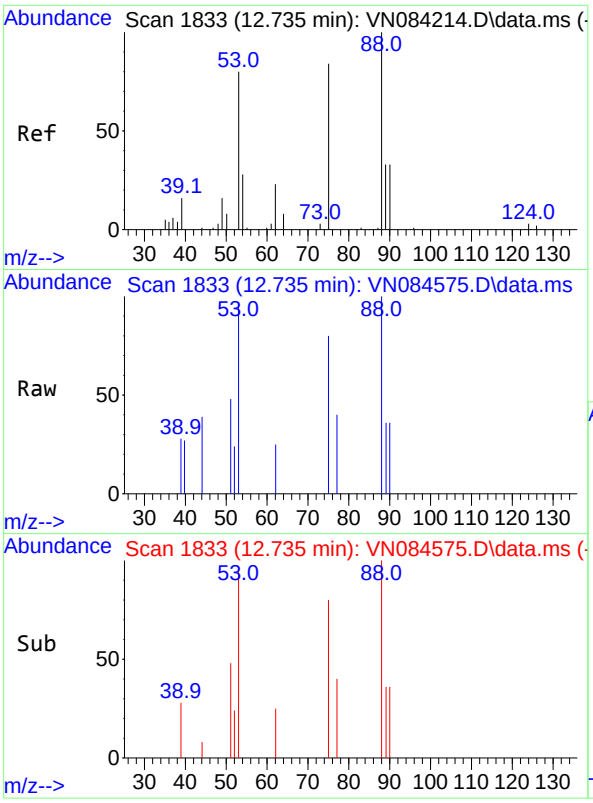


#80
1,3,5-Trimethylbenzene
Concen: 0.833 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5298

Ion	Ratio	Lower	Upper
105	100		
120	49.0	23.7	71.1



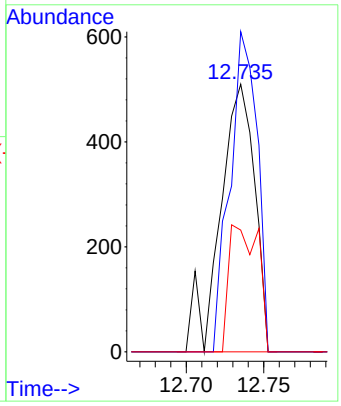


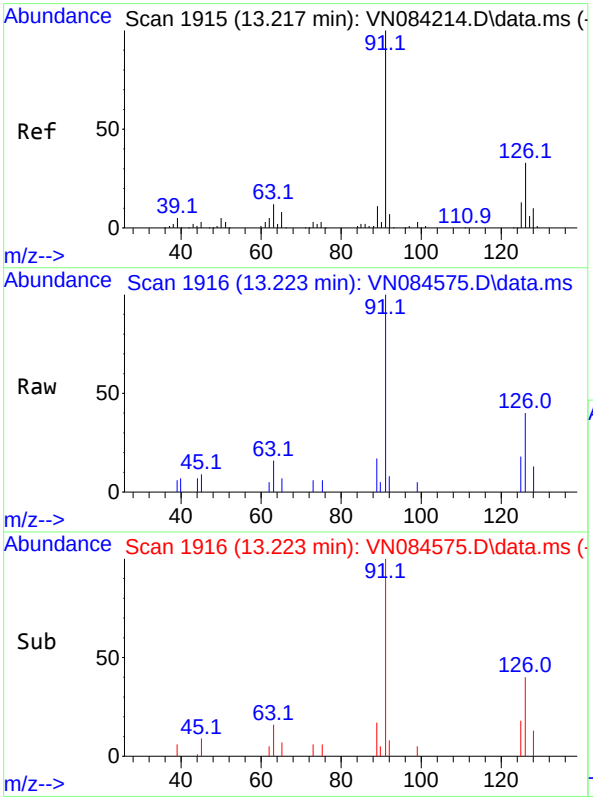
#81
trans-1,4-Dichloro-2-butene
Concen: 0.855 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

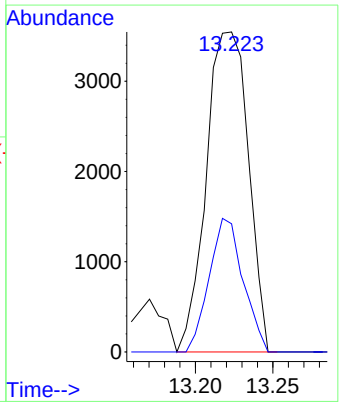


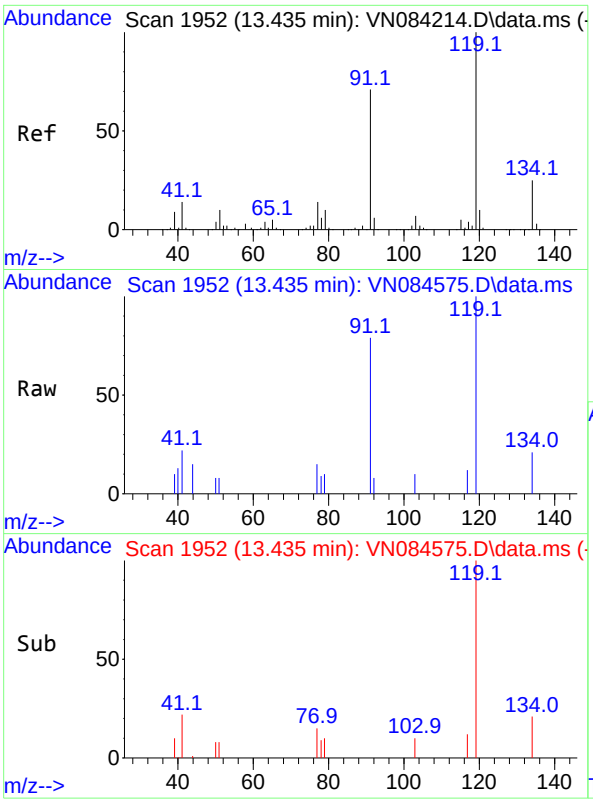


#82
4-Chlorotoluene
Concen: 1.080 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion: 91 Resp: 6682

Ion	Ratio	Lower	Upper
91	100		
126	33.7	15.7	47.1



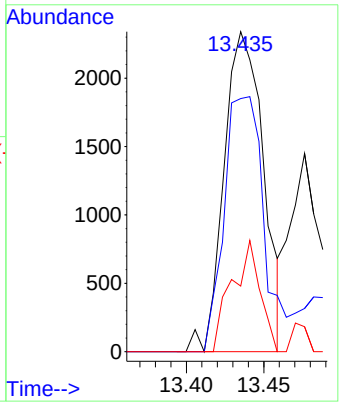


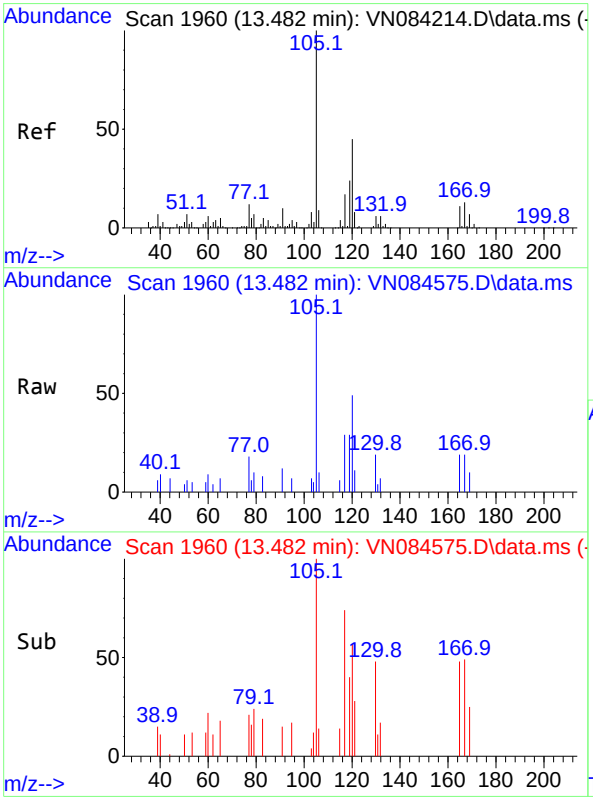
#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

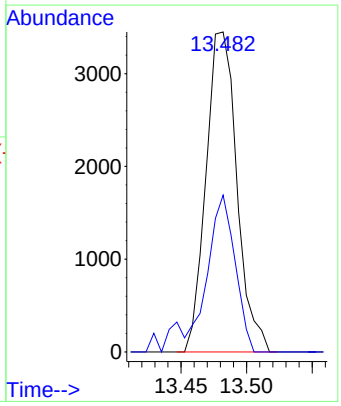


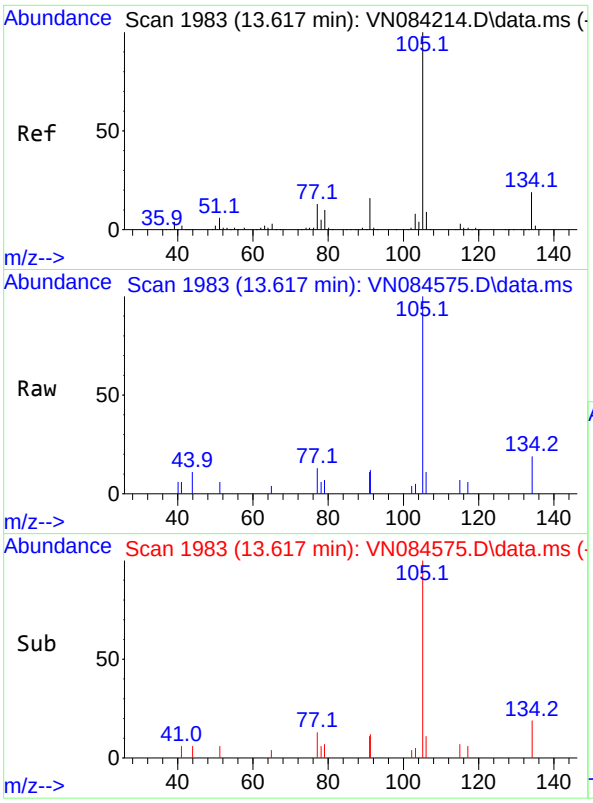


#84
1,2,4-Trimethylbenzene
Concen: 0.860 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:105 Resp: 5651

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



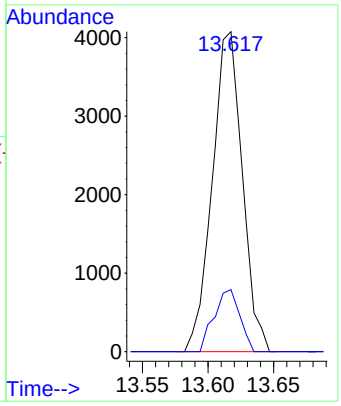


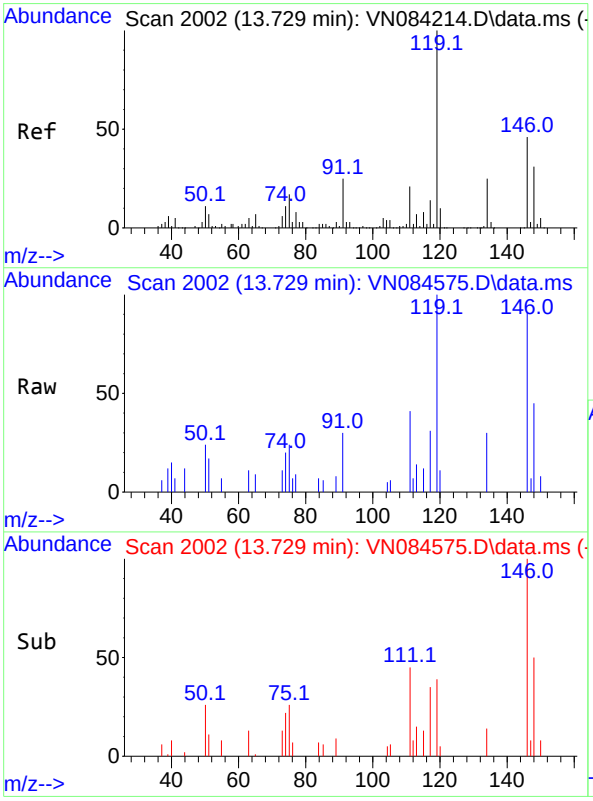
#85
sec-Butylbenzene
Concen: 0.872 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 6490

Ion	Ratio	Lower	Upper
105	100		
134	16.6	9.8	29.4

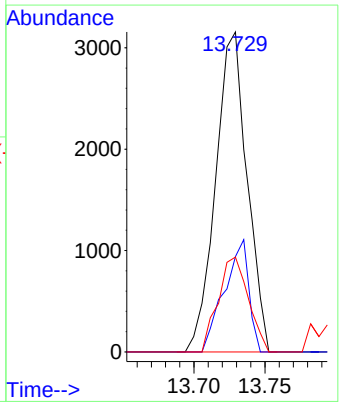


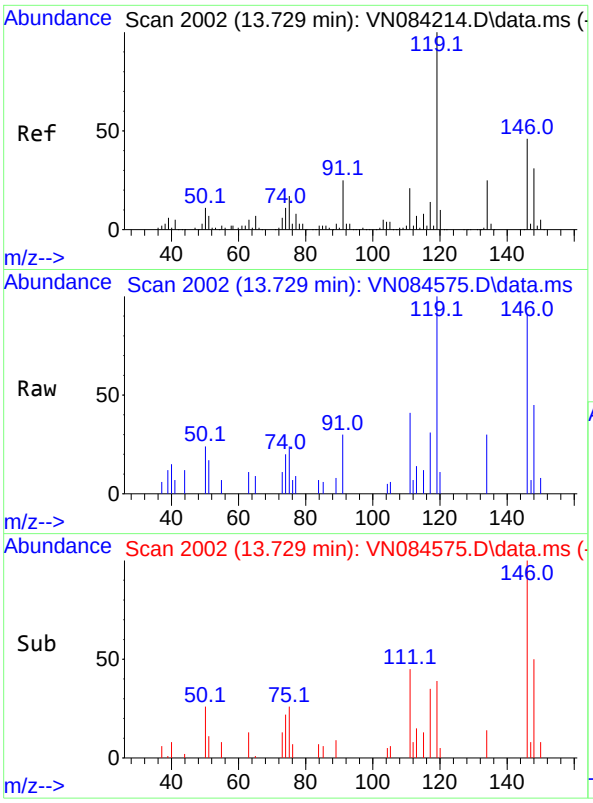


#86
p-Isopropyltoluene
Concen: 0.796 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



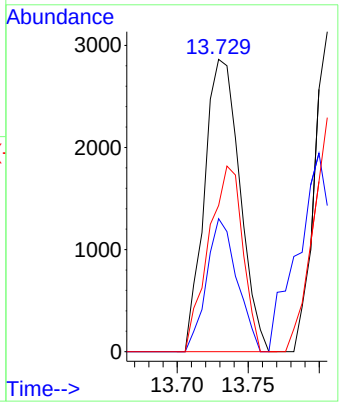


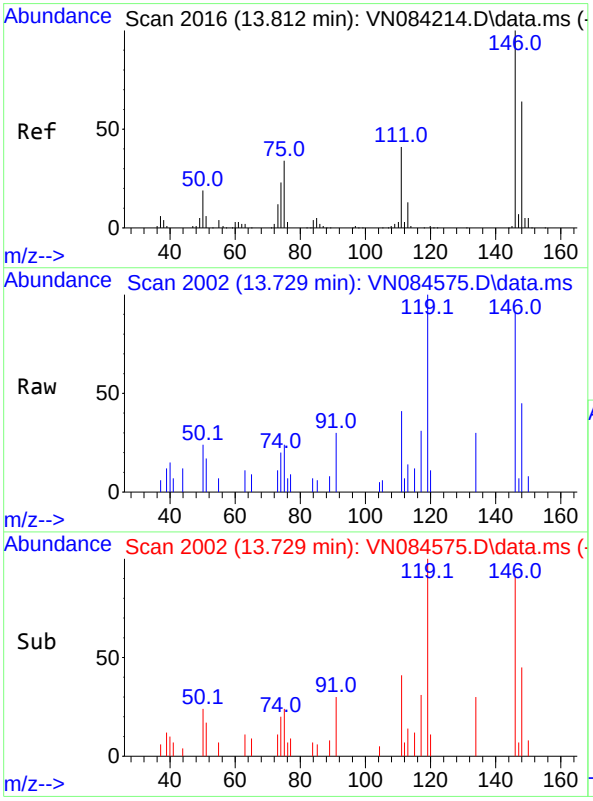
#87
1,3-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

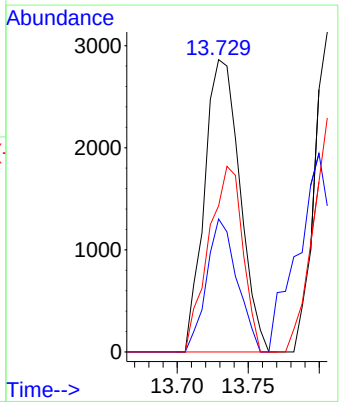


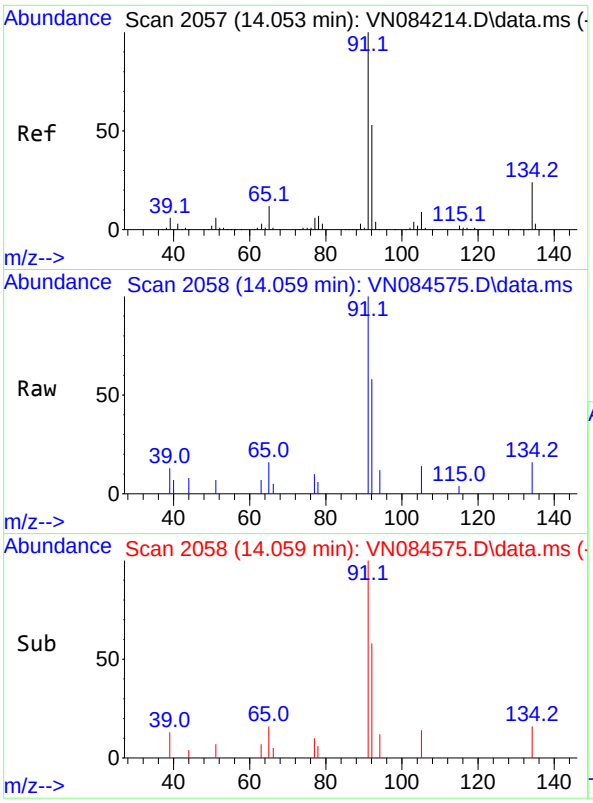


#88
1,4-Dichlorobenzene
Concen: 0.498 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



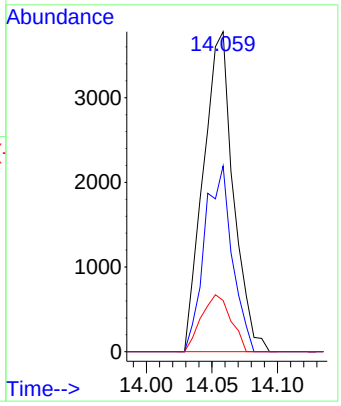


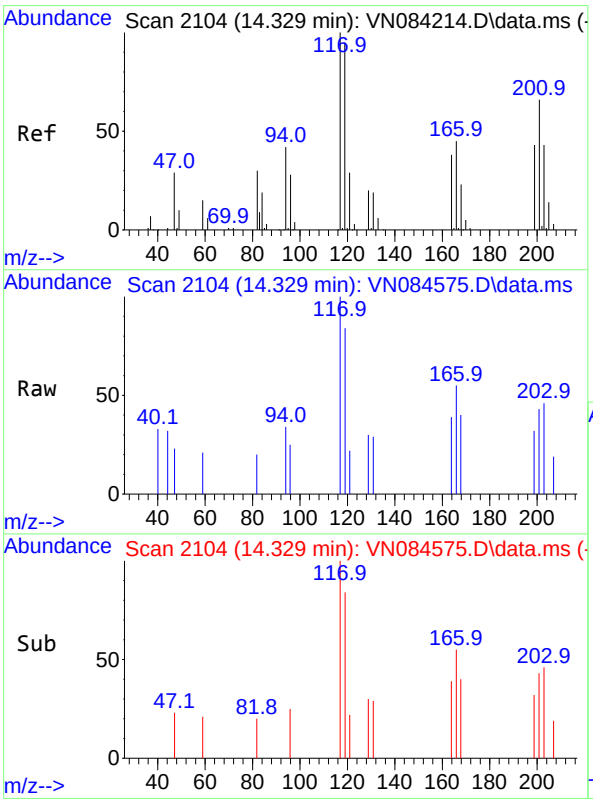
#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

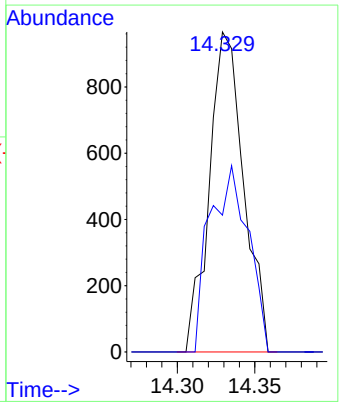


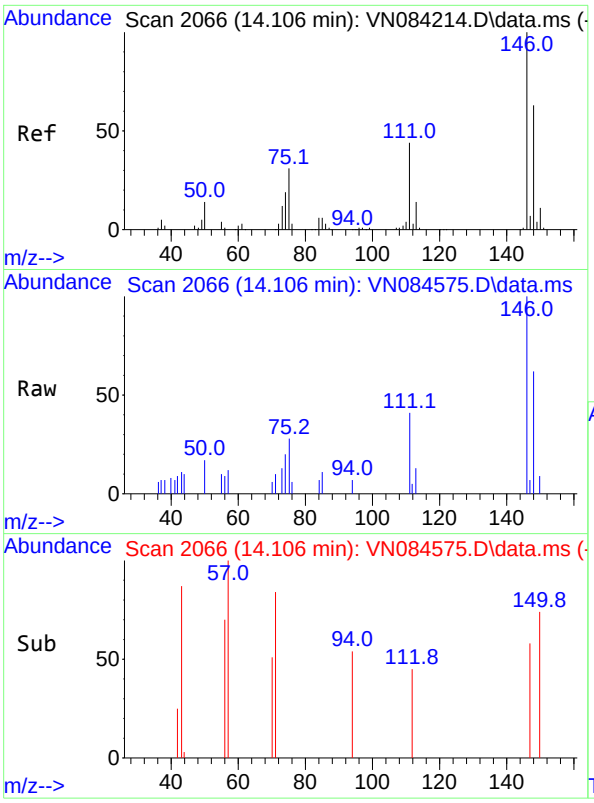


#90
Hexachloroethane
Concen: 1.097 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

Tgt Ion:117 Resp: 1493

Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.4	103.2



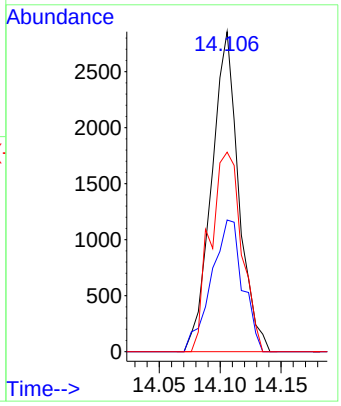


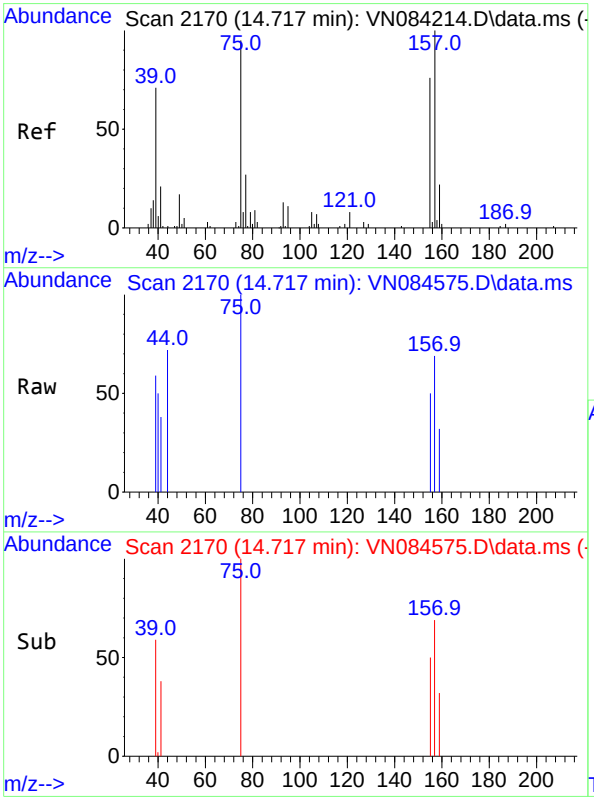
#91
1,2-Dichlorobenzene
Concen: 1.144 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

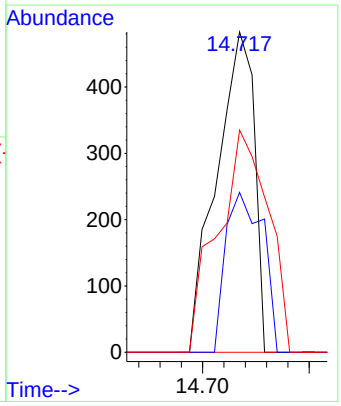


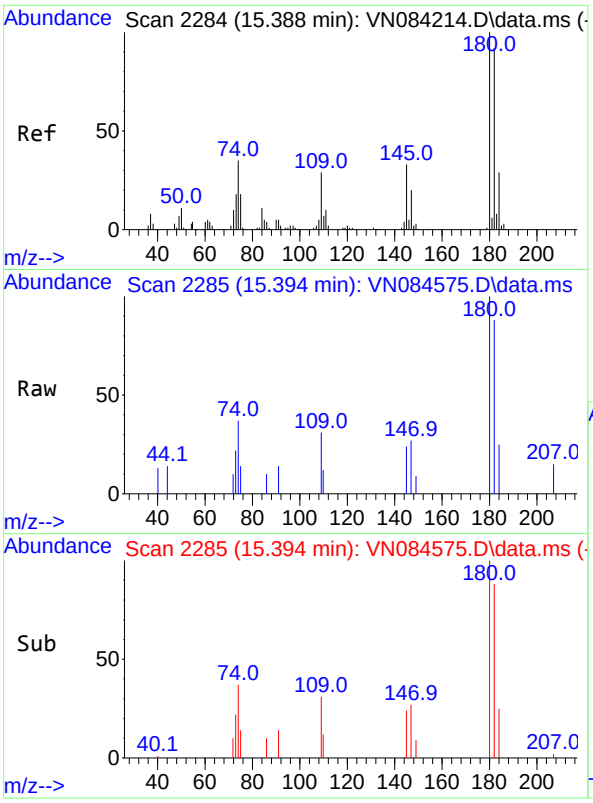


#92
1,2-Dibromo-3-Chloropropane
Concen: 1.146 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



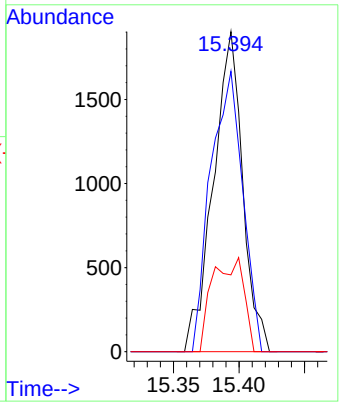


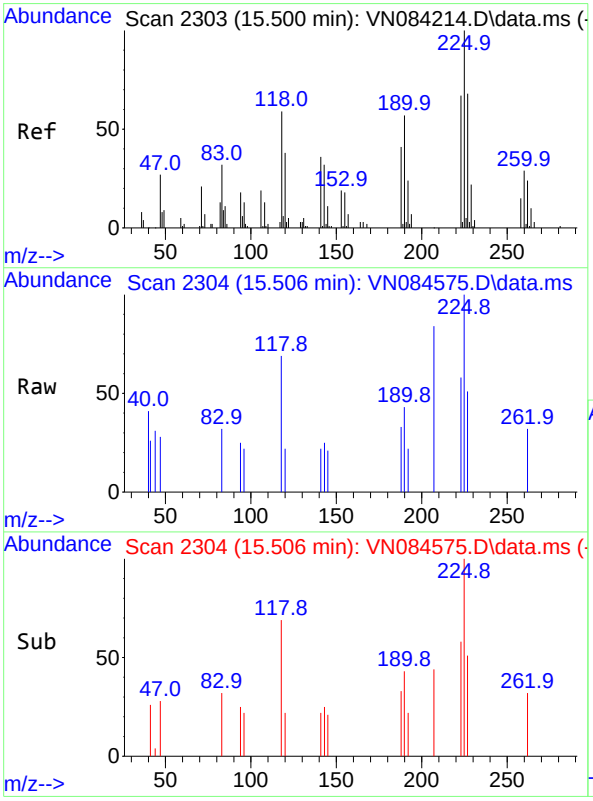
#93
1,2,4-Trichlorobenzene
Concen: 1.399 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

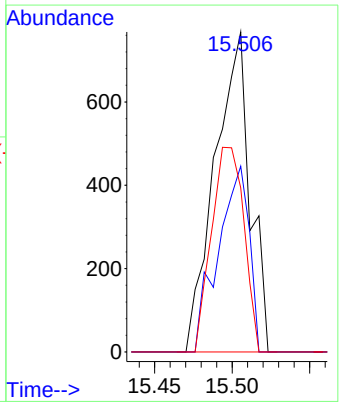


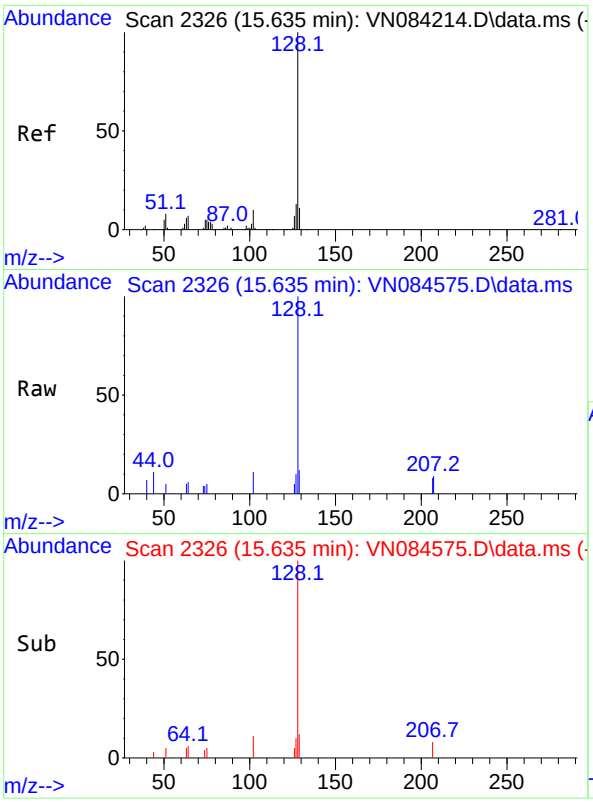


#94
Hexachlorobutadiene
Concen: 1.298 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.005 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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



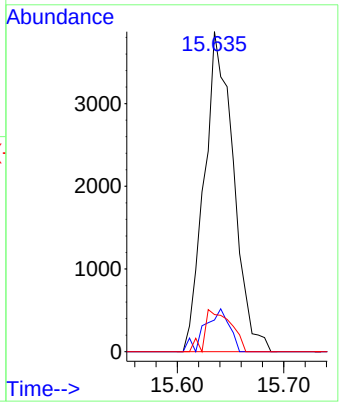


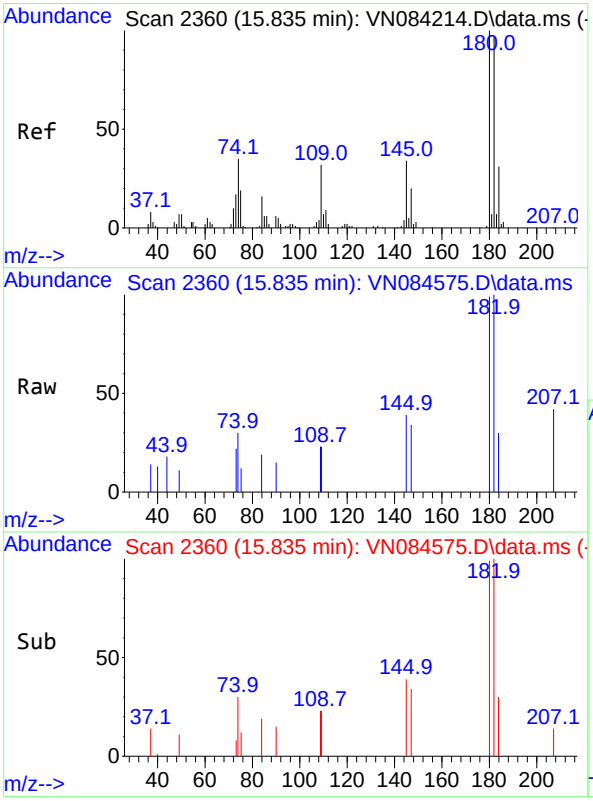
#95
Naphthalene
Concen: 1.159 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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

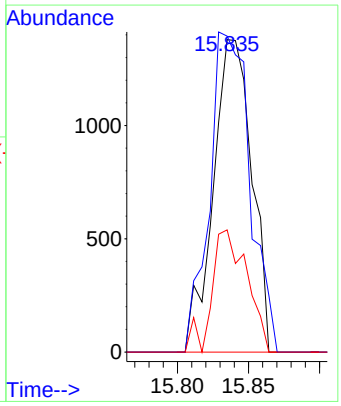




#96
1,2,3-Trichlorobenzene
Concen: 1.267 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084575.D
Acq: 30 Oct 2024 13:45

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)

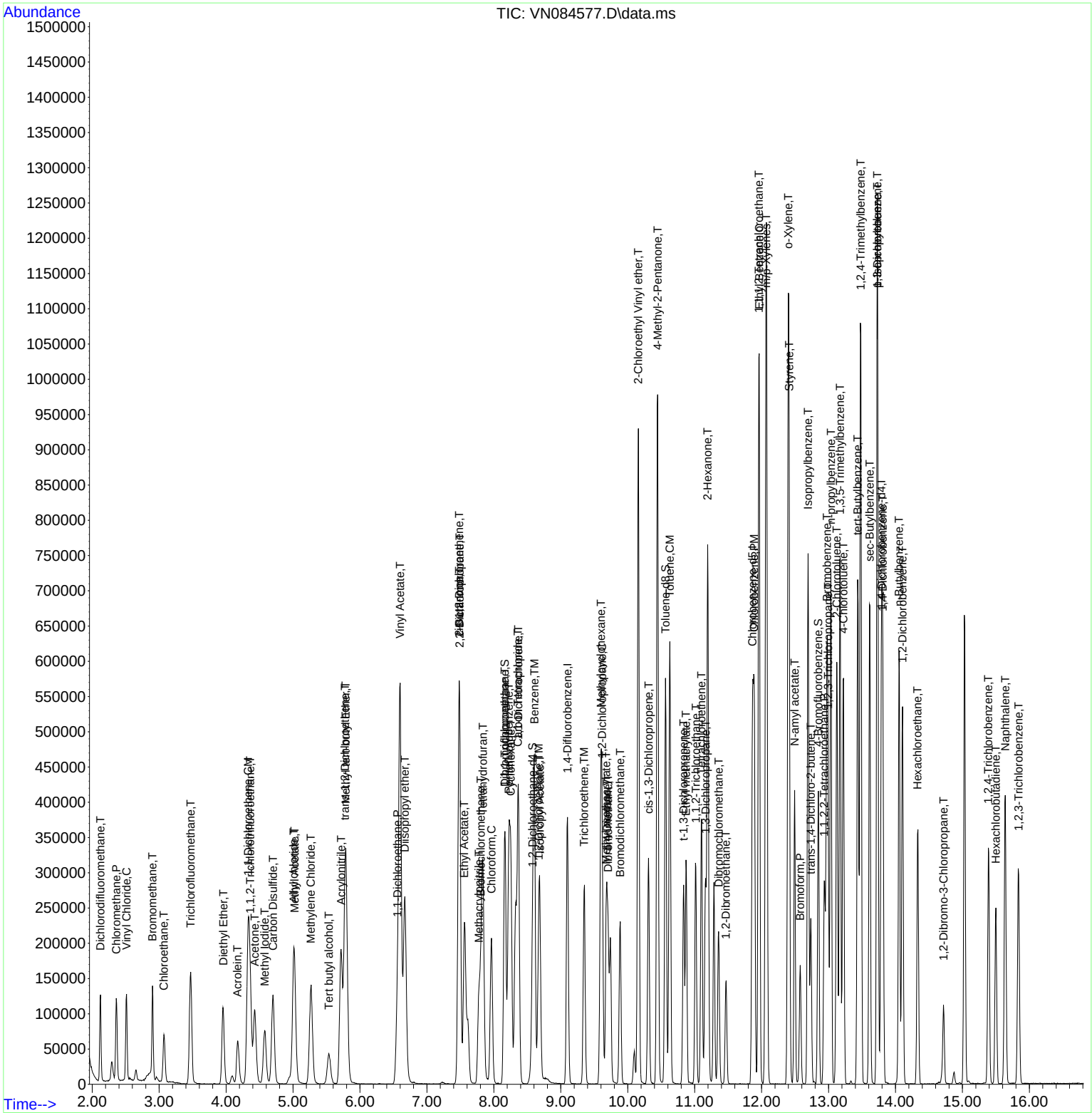
(#) = qualifier out of range (m) = manual integration (+) = signals summed

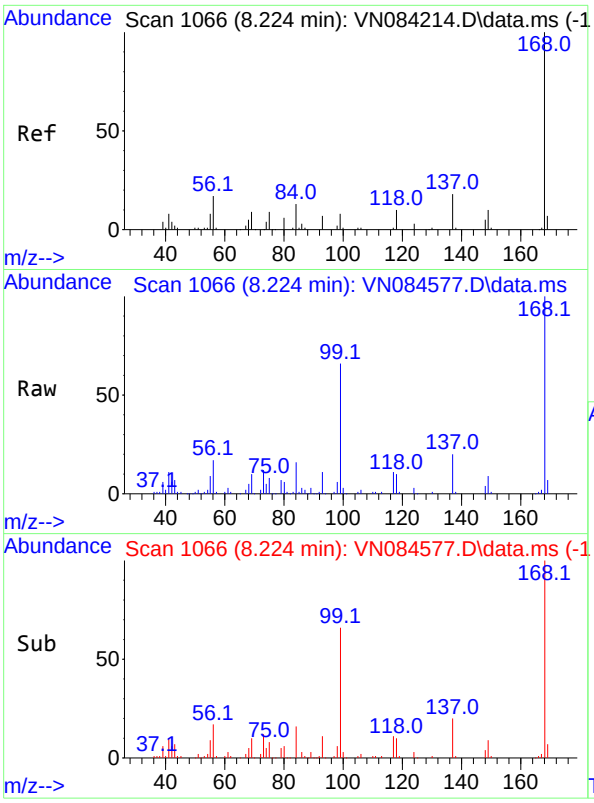
Quantitation Report (Not Reviewed)

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



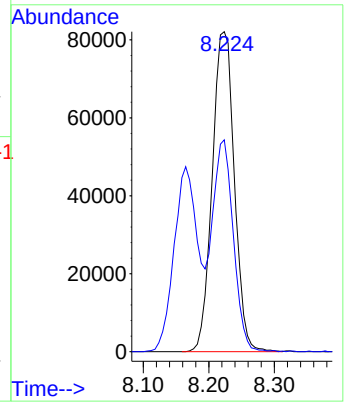


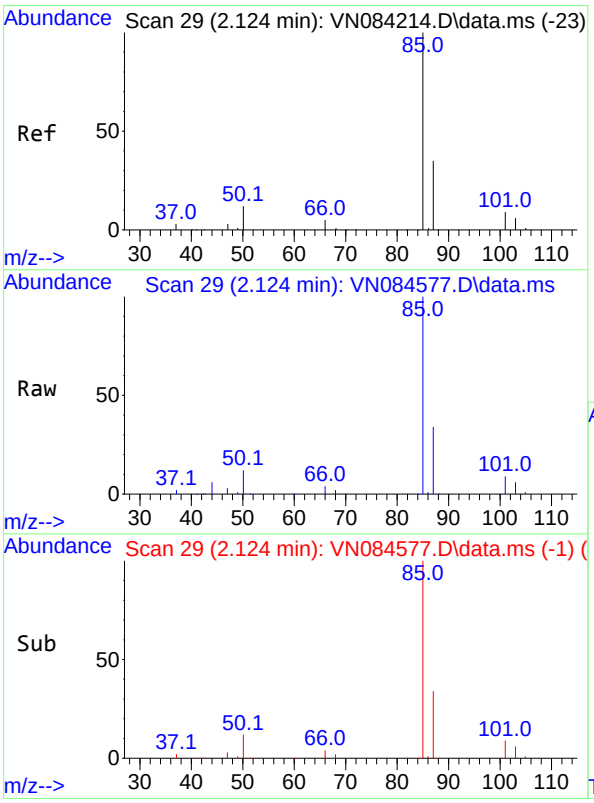
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:168 Resp: 192202

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2

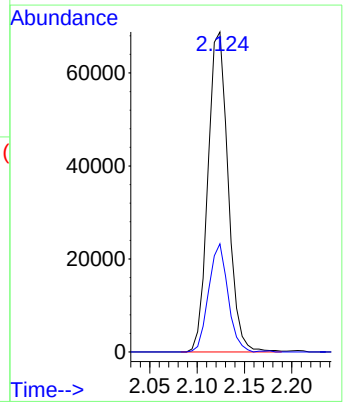


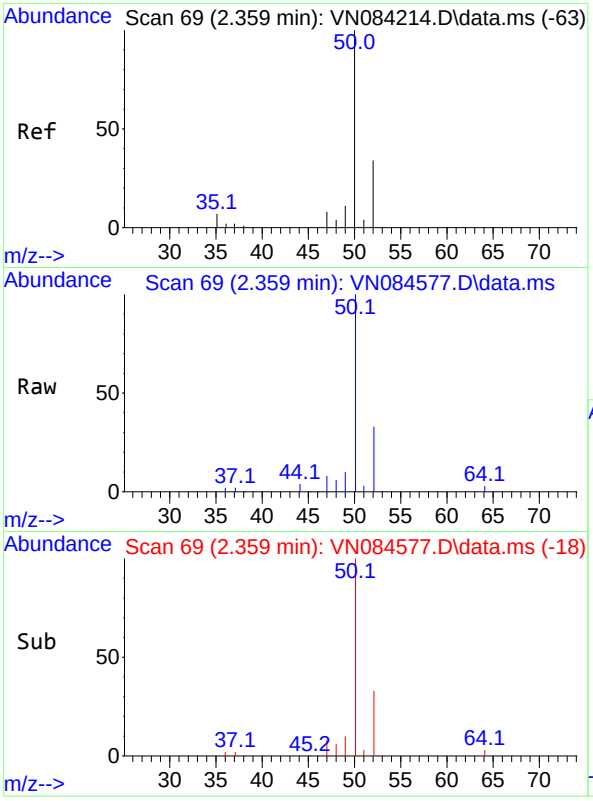


#2
Dichlorodifluoromethane
Concen: 45.985 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 85 Resp: 101605

Ion	Ratio	Lower	Upper
85	100		
87	33.8	17.6	52.9



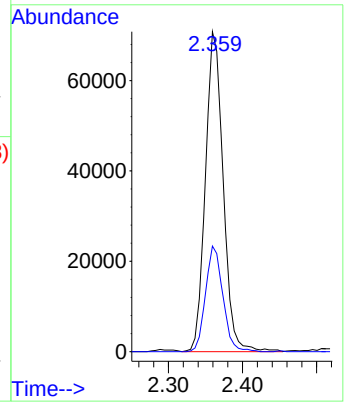


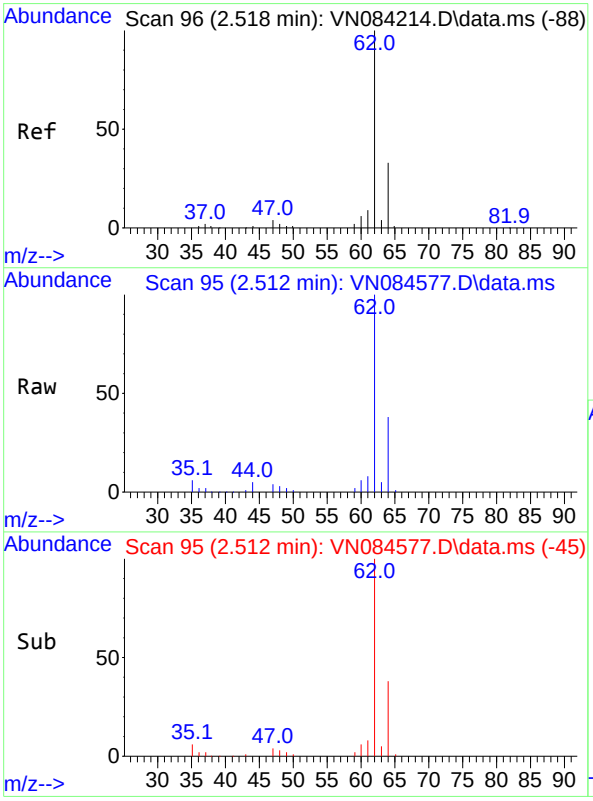
#3
Chloromethane
Concen: 45.299 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 50 Resp: 118060

Ion	Ratio	Lower	Upper
50	100		
52	33.0	26.8	40.2

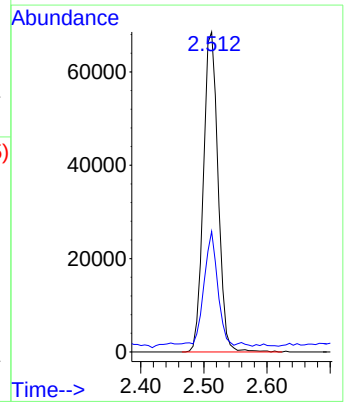


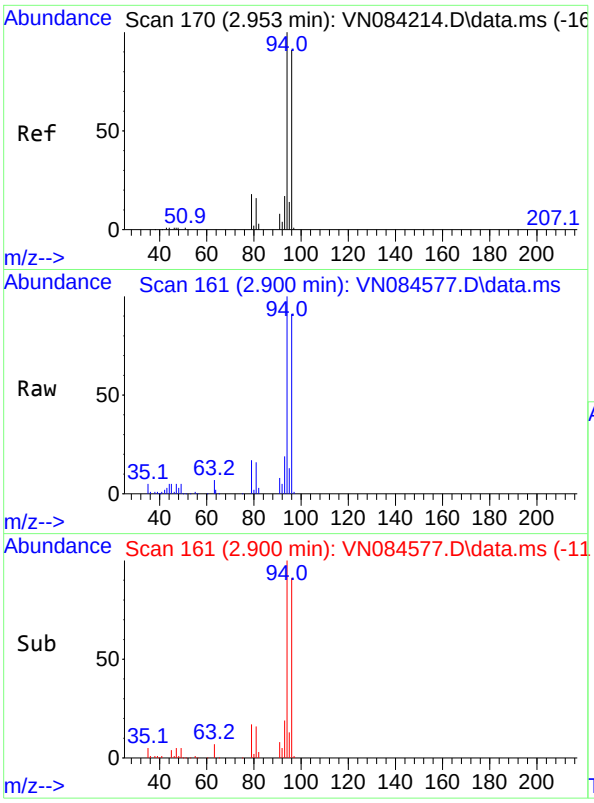


#4
Vinyl Chloride
Concen: 46.430 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 110340

Ion	Ratio	Lower	Upper
62	100		
64	35.6	26.2	39.4



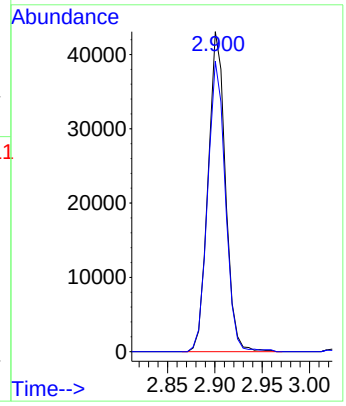


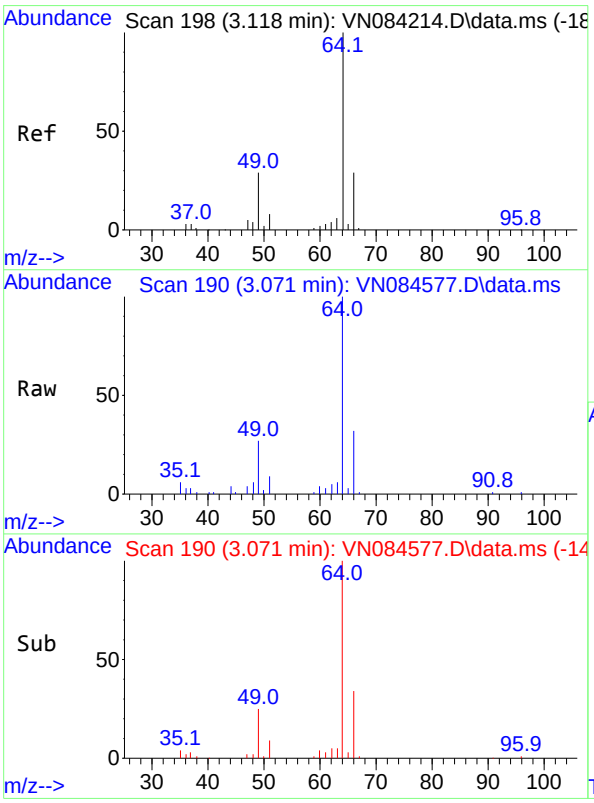
#5
Bromomethane
Concen: 43.494 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 94 Resp: 54764

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.9	109.3

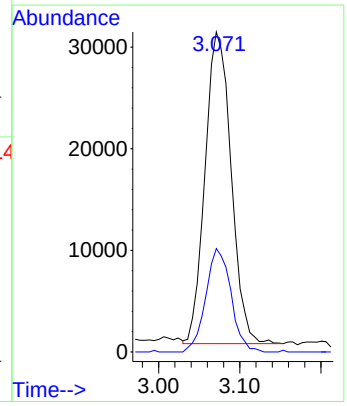


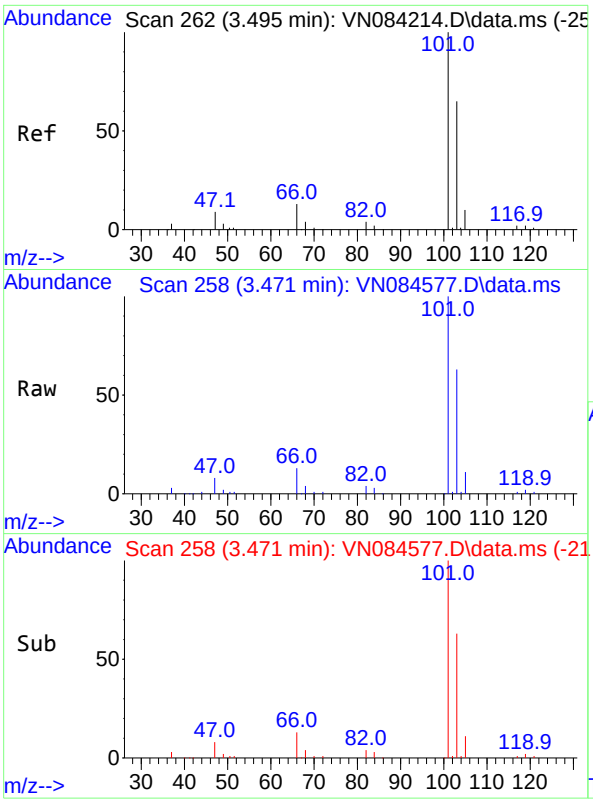


#6
Chloroethane
Concen: 46.348 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 64 Resp: 68330

Ion	Ratio	Lower	Upper
64	100		
66	33.2	23.5	35.3



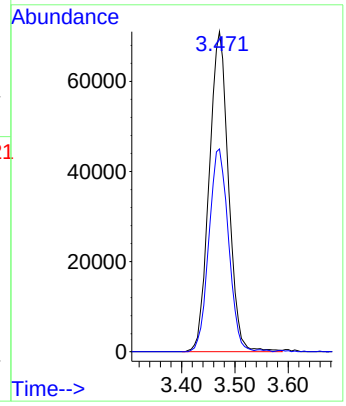


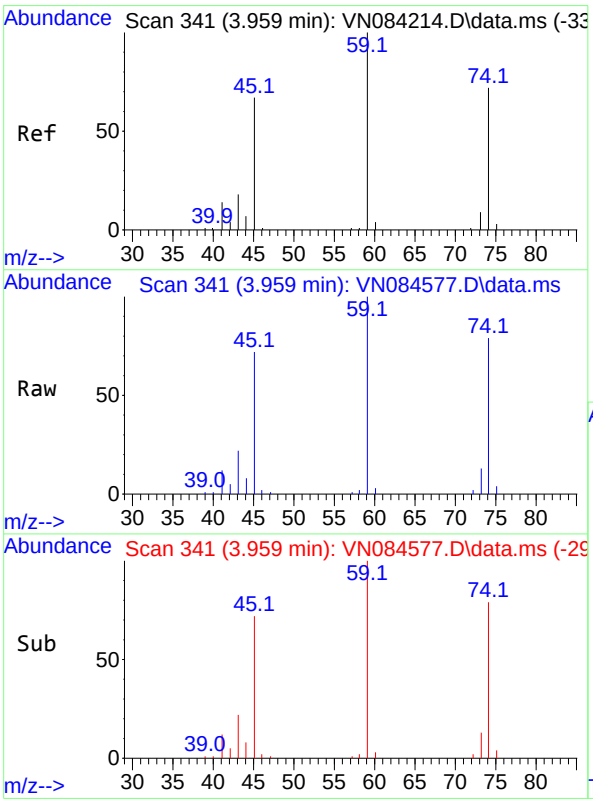
#7
Trichlorofluoromethane
Concen: 45.644 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:101 Resp: 178683

Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

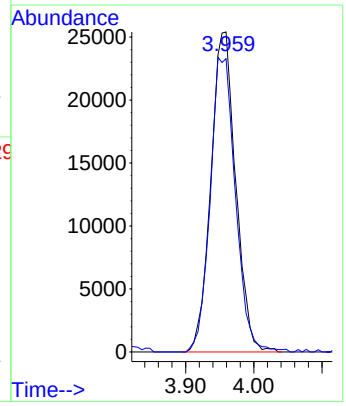


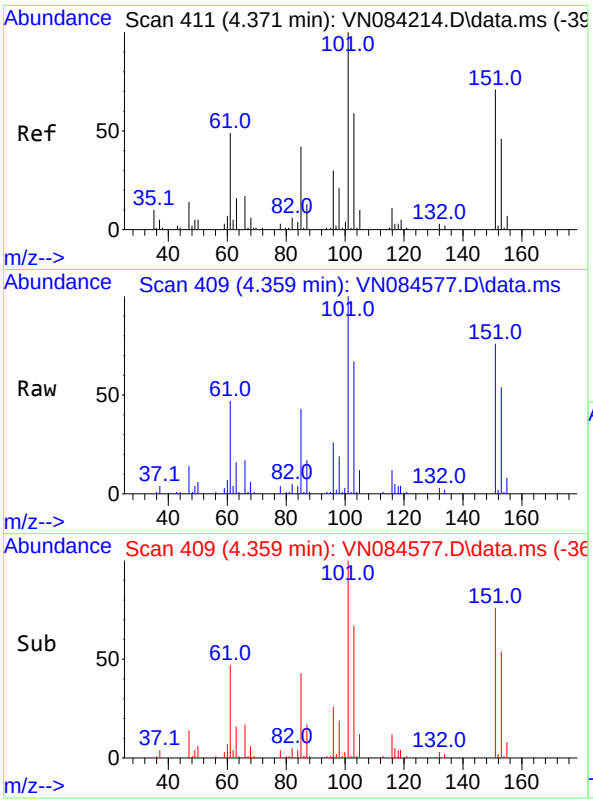


#8
Diethyl Ether
Concen: 46.640 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 74 Resp: 64407

Ion	Ratio	Lower	Upper
74	100		
45	93.7	47.7	143.1



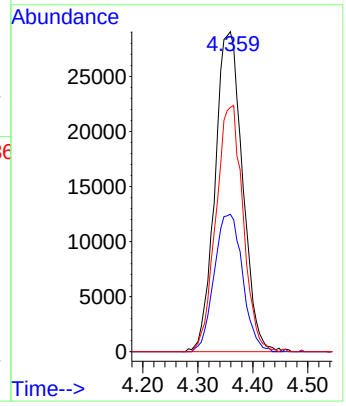


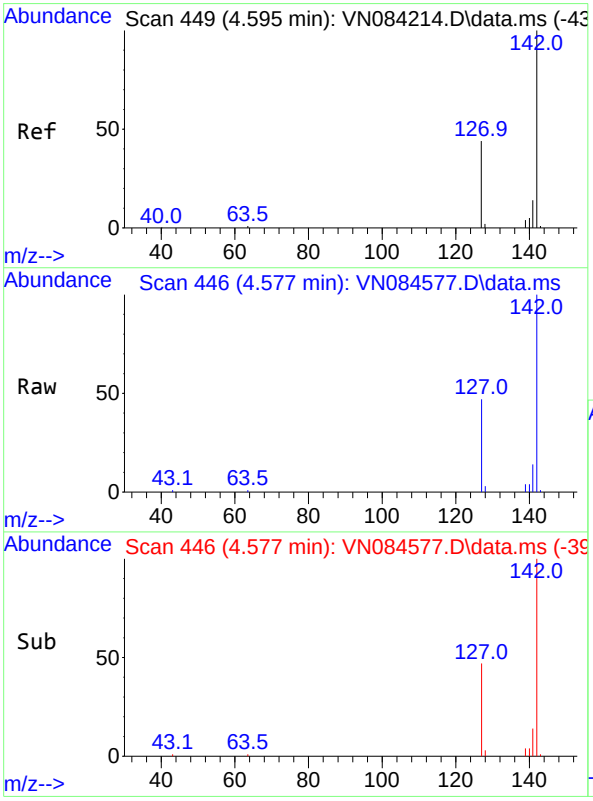
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.702 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

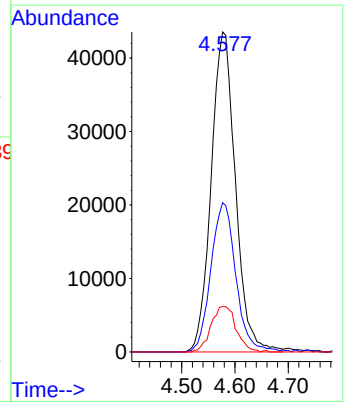


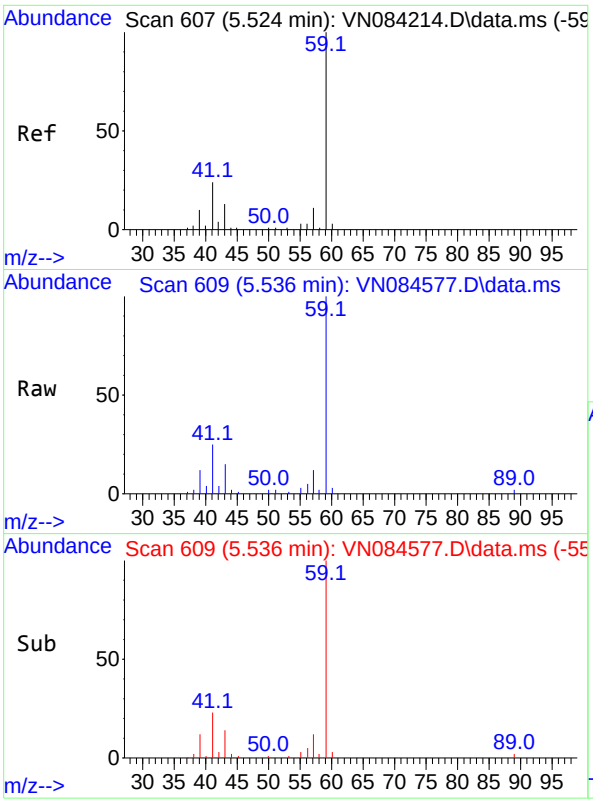


#10
Methyl Iodide
Concen: 46.542 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



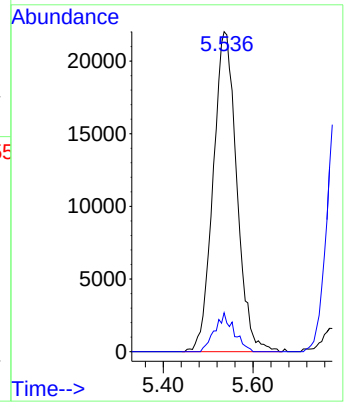


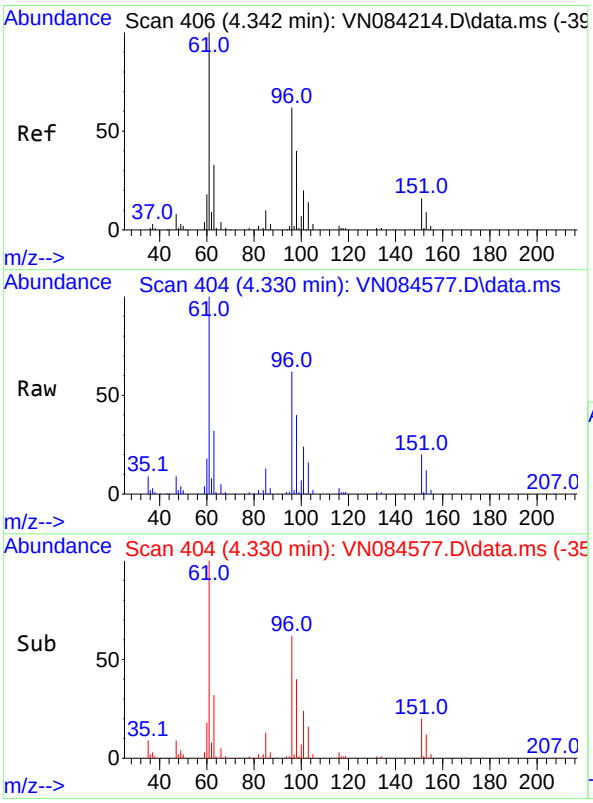
#11
Tert butyl alcohol
Concen: 219.840 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 59 Resp: 80556

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.2

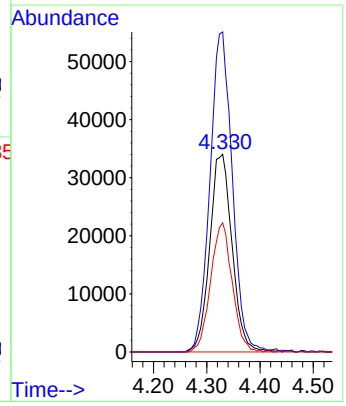


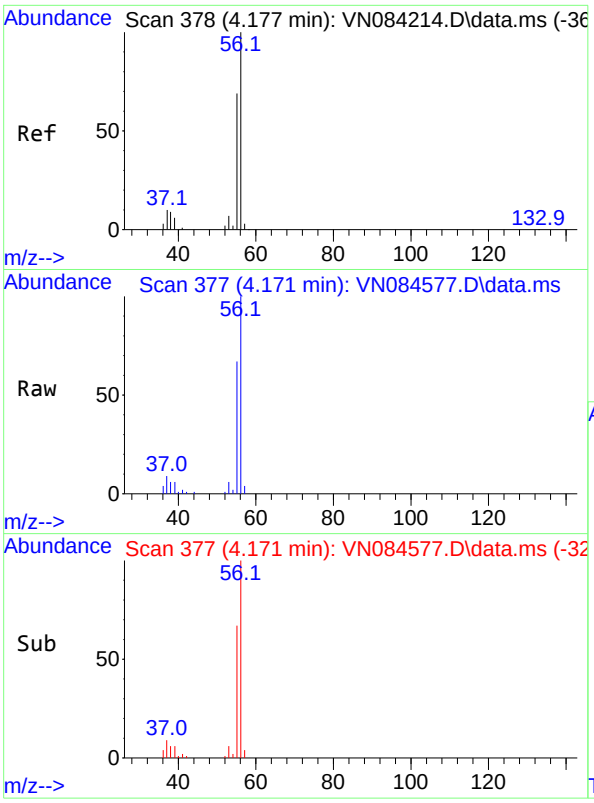


#12
1,1-Dichloroethene
Concen: 45.338 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



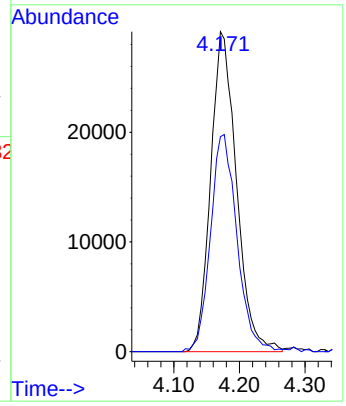


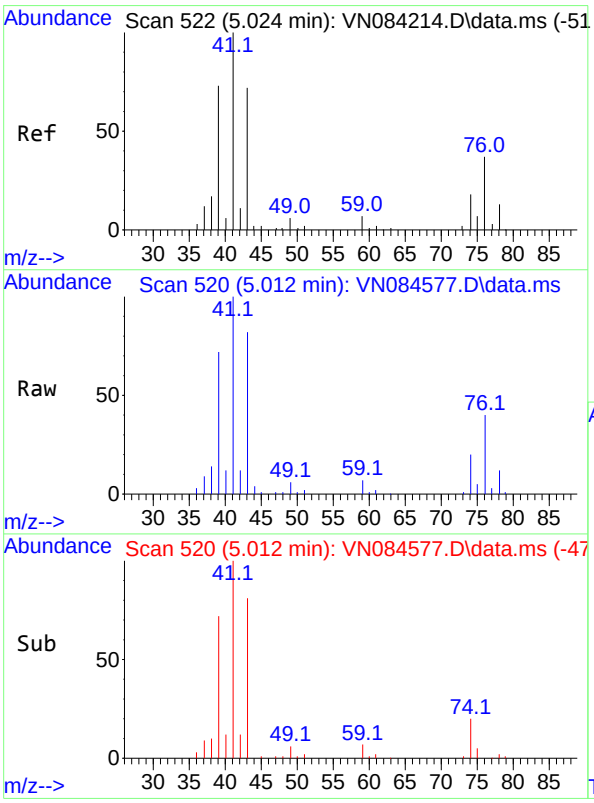
#13
Acrolein
Concen: 218.362 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 56 Resp: 79788

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.2	85.8

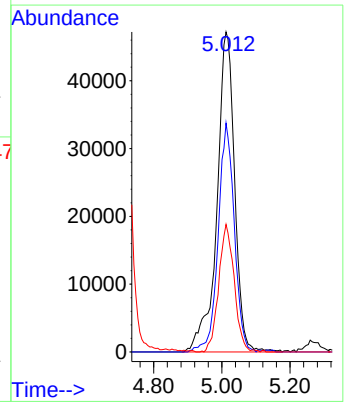


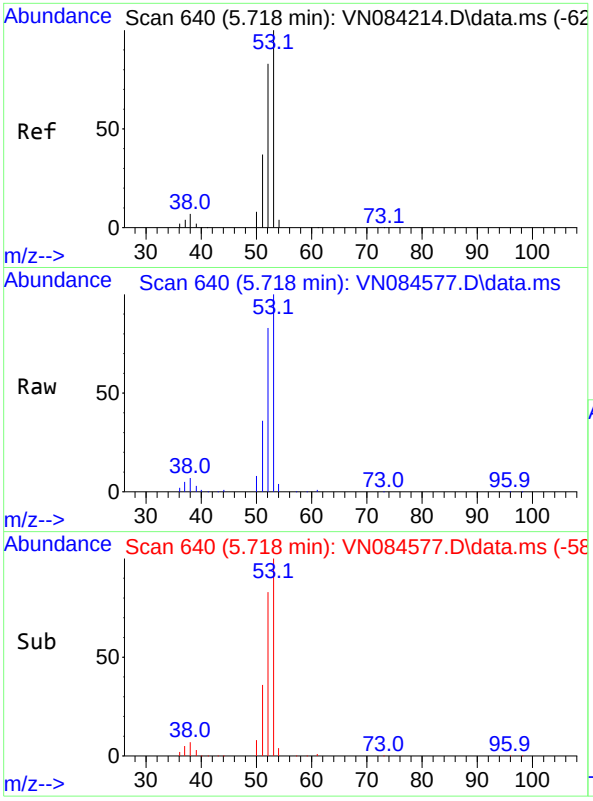


#14
Allyl chloride
Concen: 47.975 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



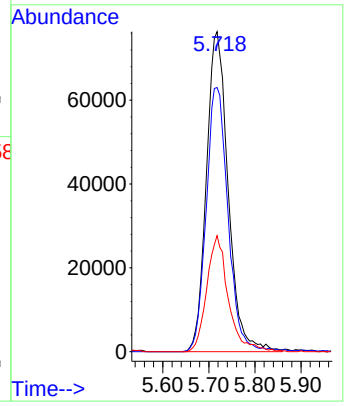


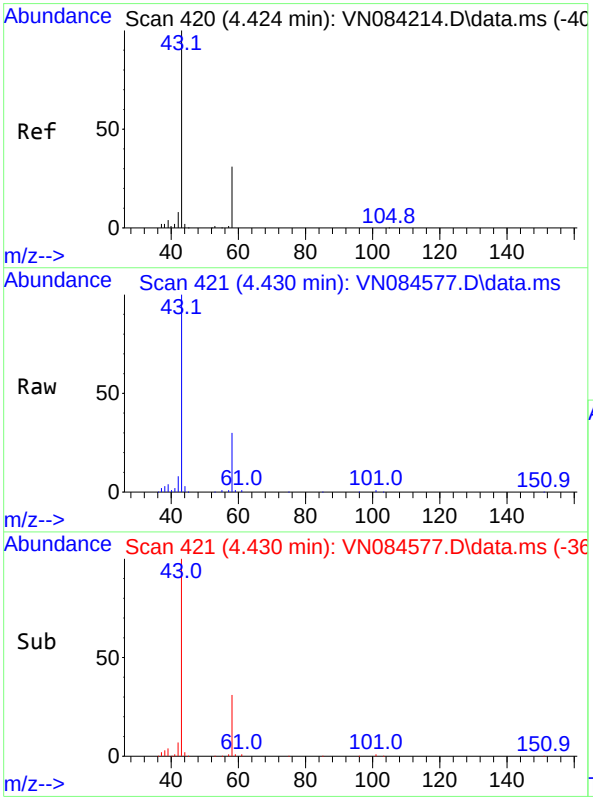
#15
Acrylonitrile
Concen: 236.747 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

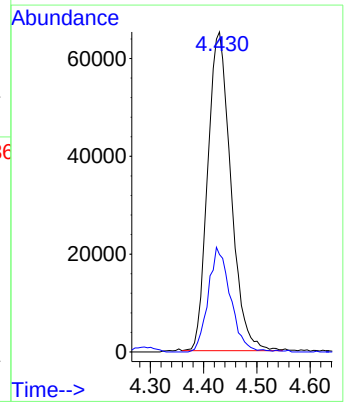


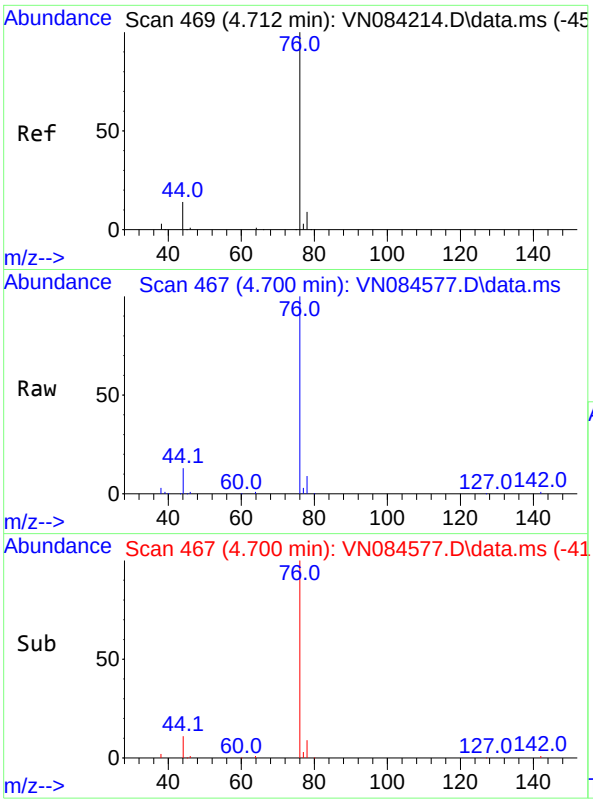


#16
Acetone
Concen: 244.445 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 196070

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.4	36.6



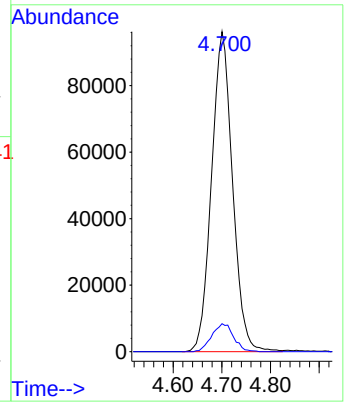


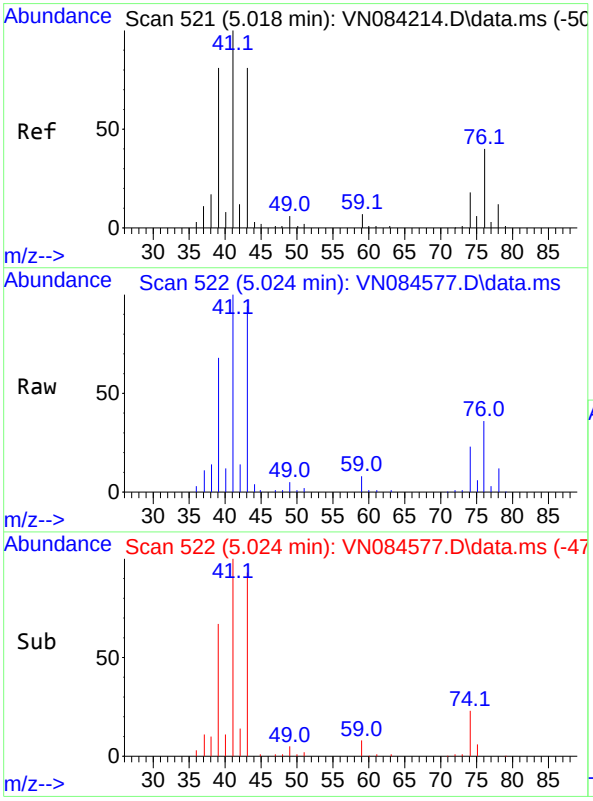
#17
Carbon Disulfide
Concen: 42.682 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 287697

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

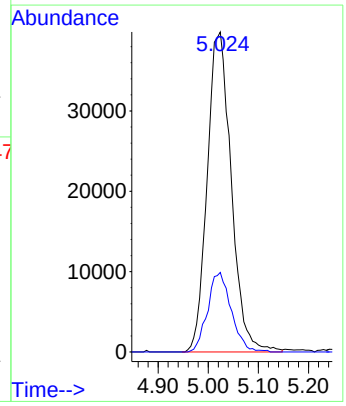


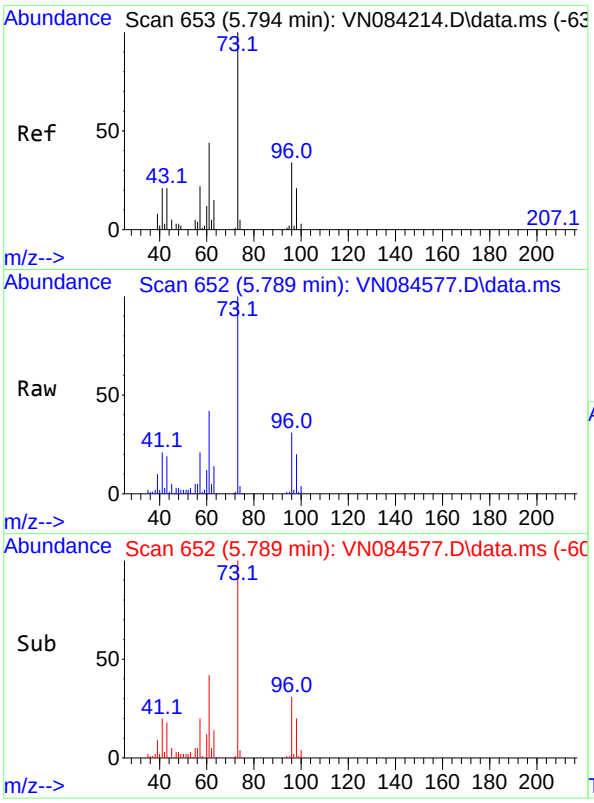


#18
Methyl Acetate
Concen: 44.944 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 43 Resp: 132834

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



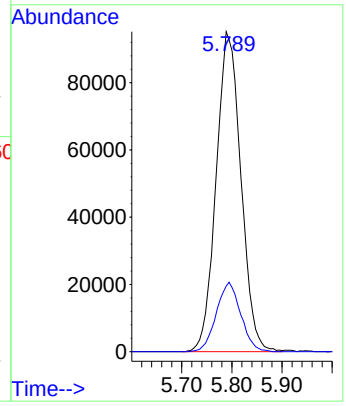


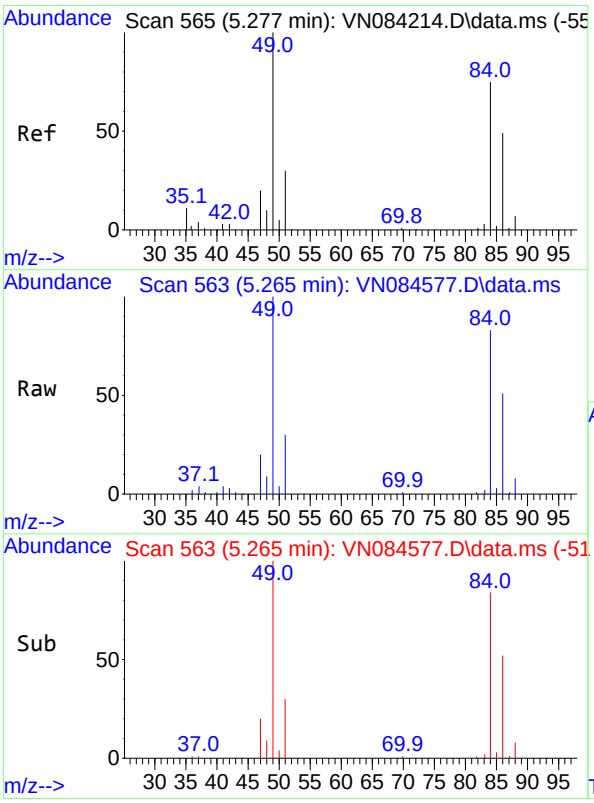
#19
Methyl tert-butyl Ether
Concen: 48.603 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 73 Resp: 326067

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

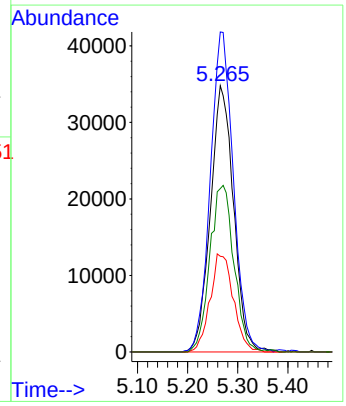


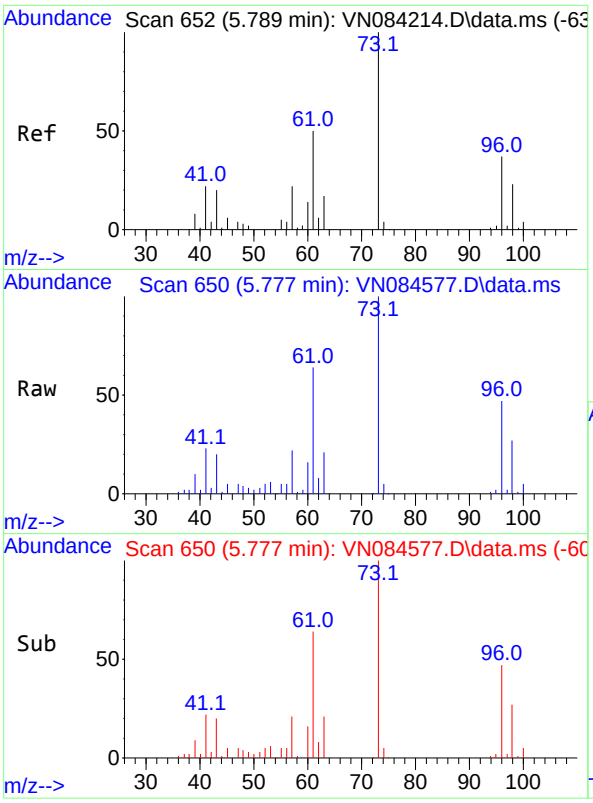


#20
Methylene Chloride
Concen: 45.716 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



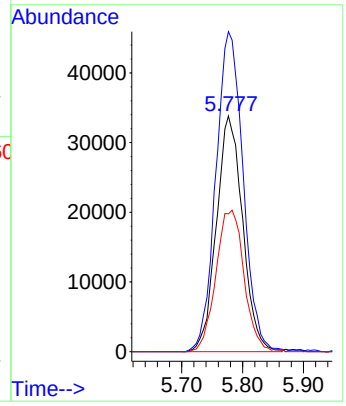


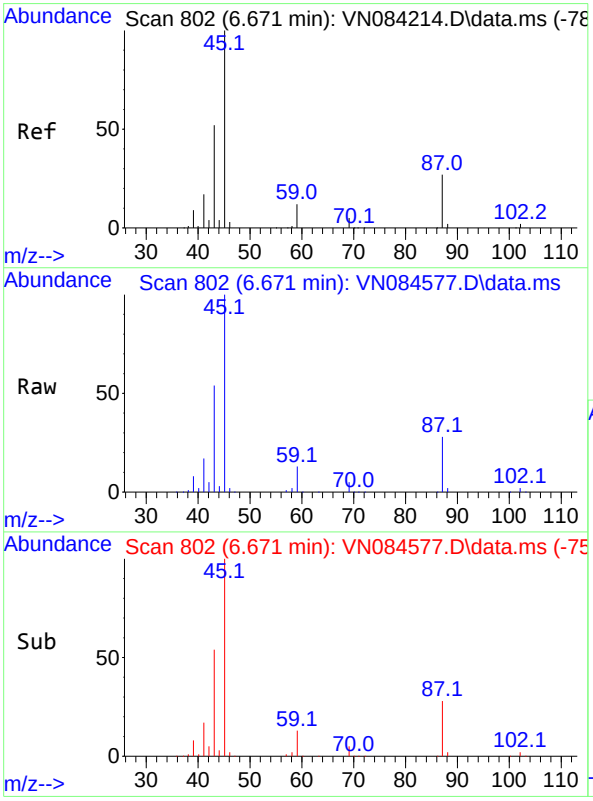
#21
trans-1,2-Dichloroethene
Concen: 45.019 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

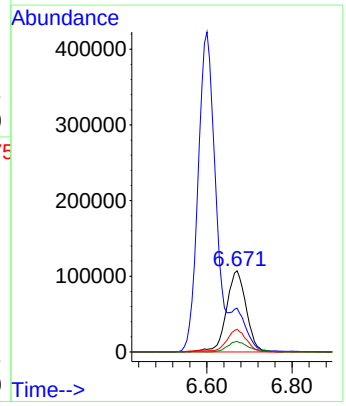


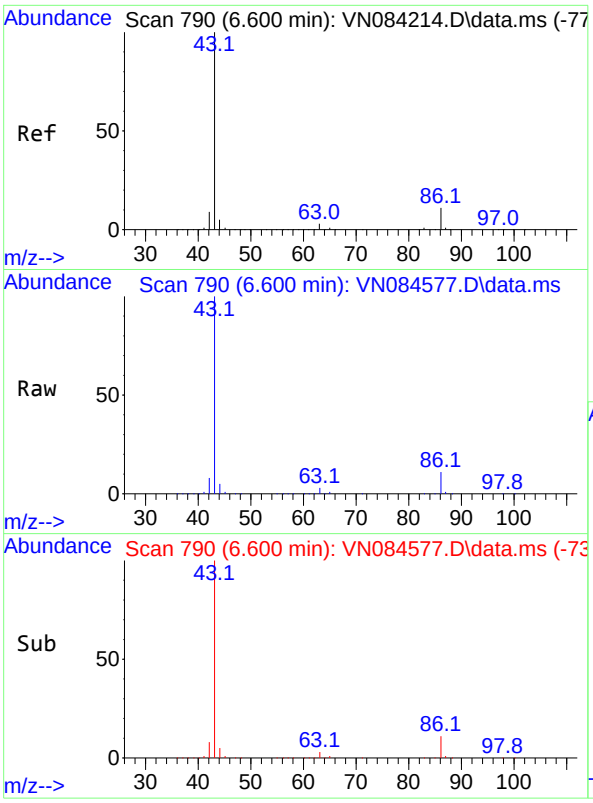


#22
Diisopropyl ether
Concen: 48.739 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



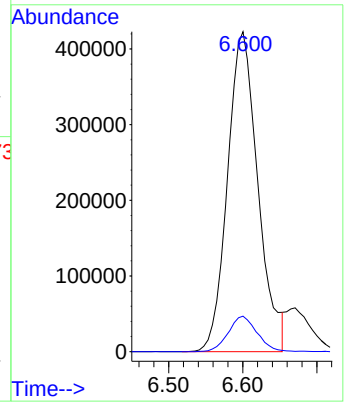


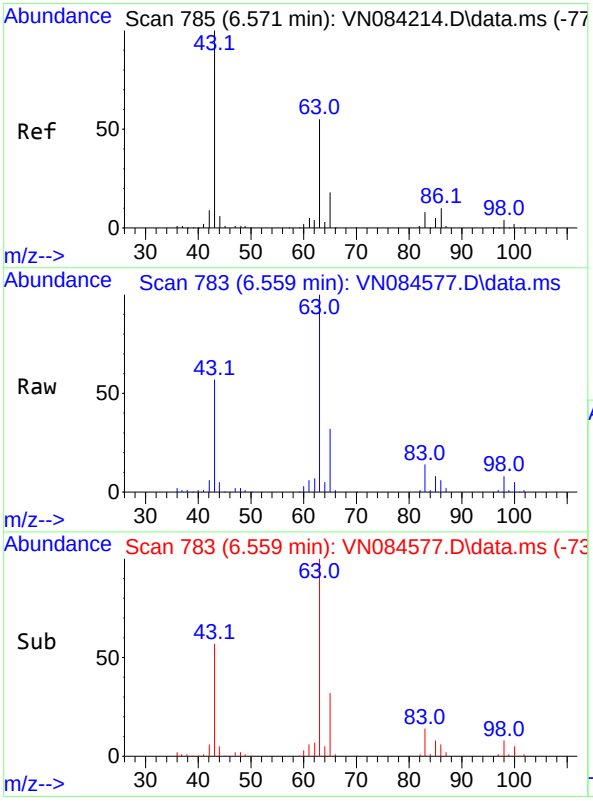
#23
Vinyl Acetate
Concen: 247.614 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 1204384

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

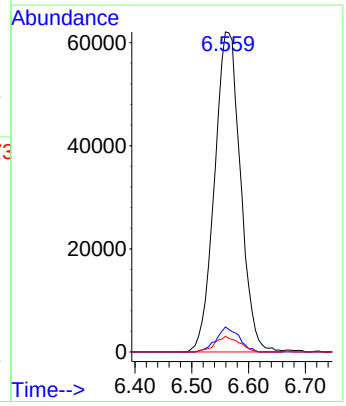


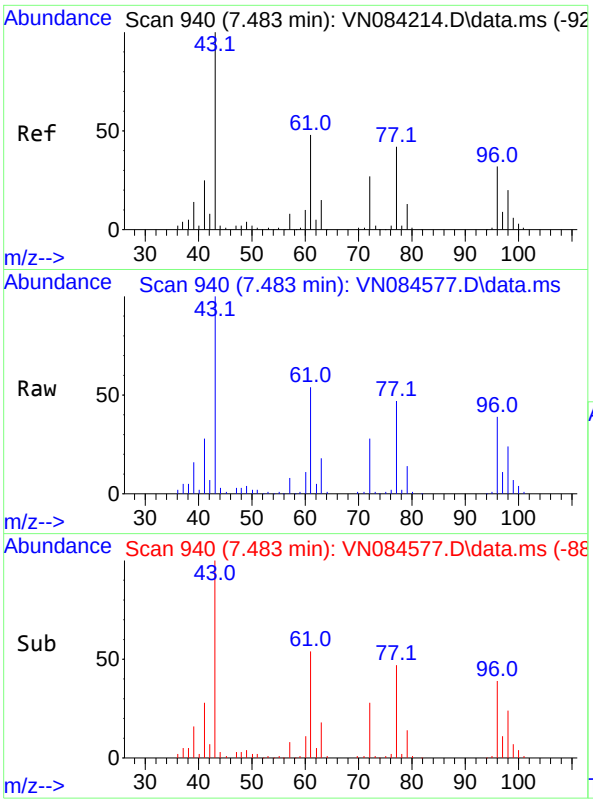


#24
1,1-Dichloroethane
Concen: 46.408 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



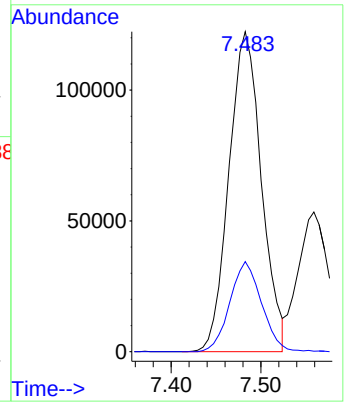


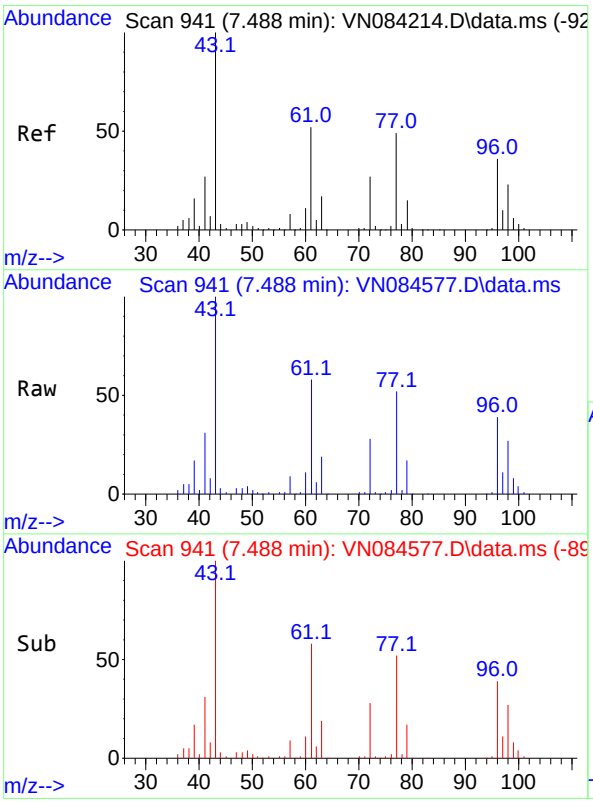
#25
2-Butanone
Concen: 237.635 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 307765

Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.4	32.2

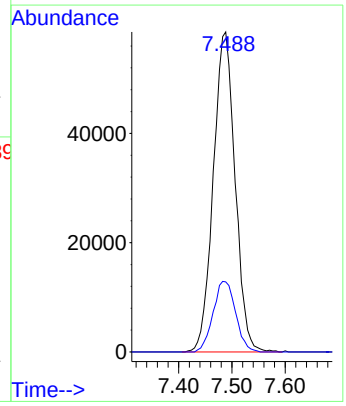


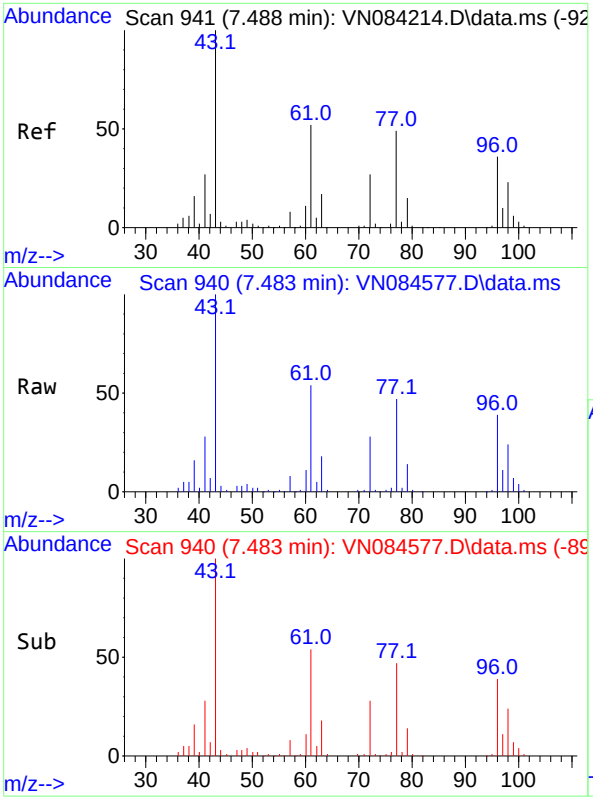


#26
2,2-Dichloropropane
Concen: 45.103 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 77 Resp: 166234

Ion	Ratio	Lower	Upper
77	100		
97	22.8	10.8	32.3



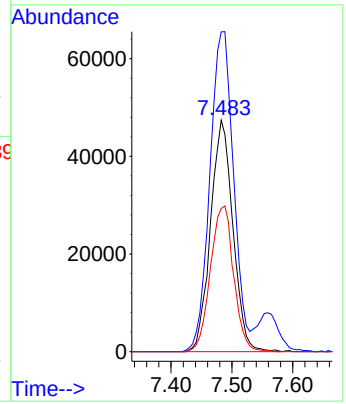


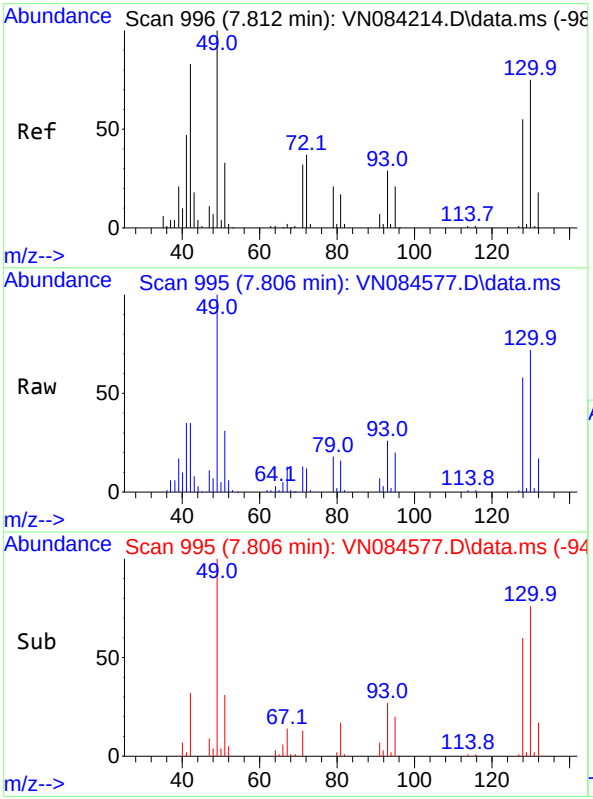
#27
cis-1,2-Dichloroethene
Concen: 46.214 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

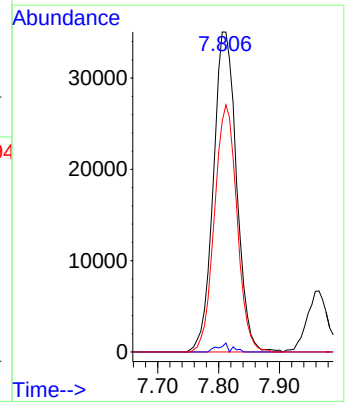


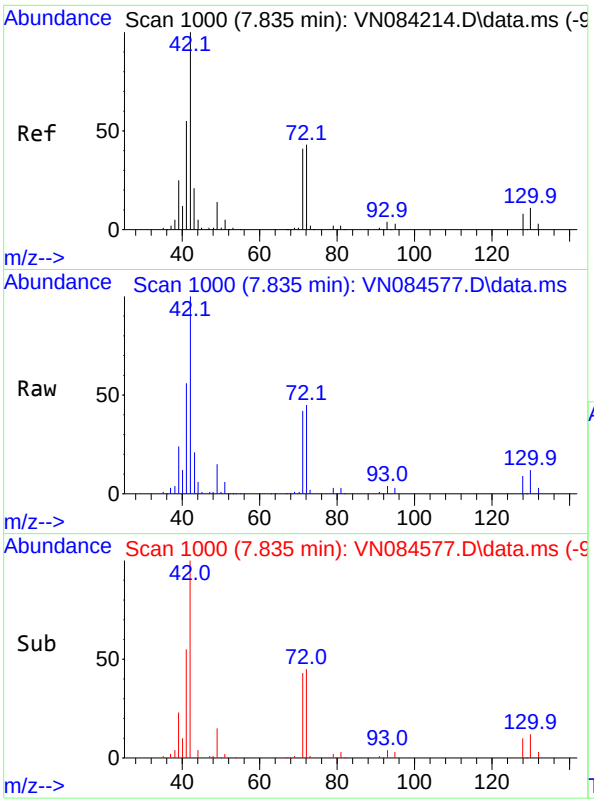


#28
Bromochloromethane
Concen: 54.971 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



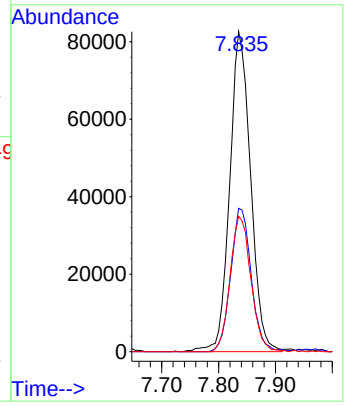


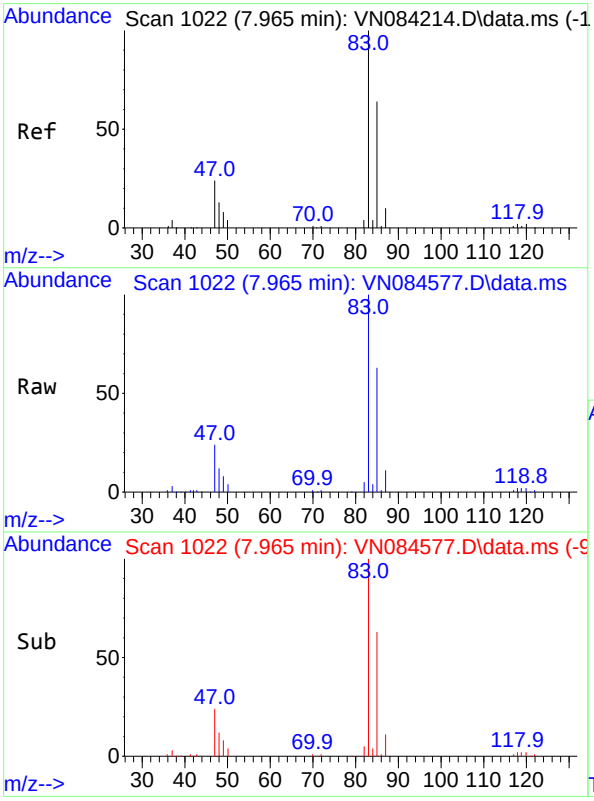
#29
Tetrahydrofuran
Concen: 245.822 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

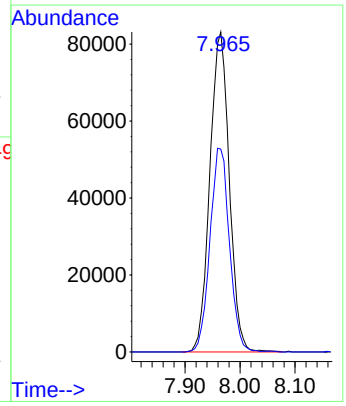


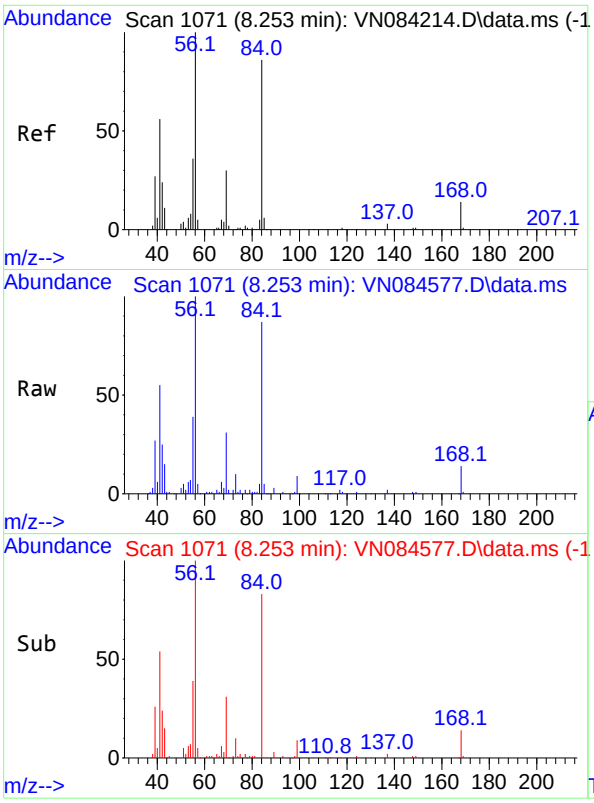


#30
Chloroform
Concen: 47.316 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 83 Resp: 203935

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.4



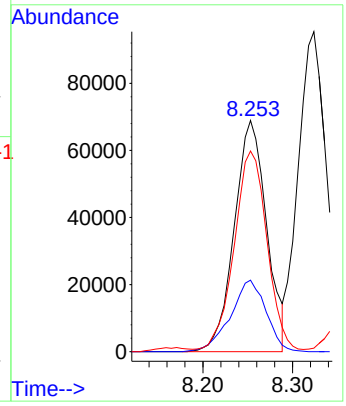


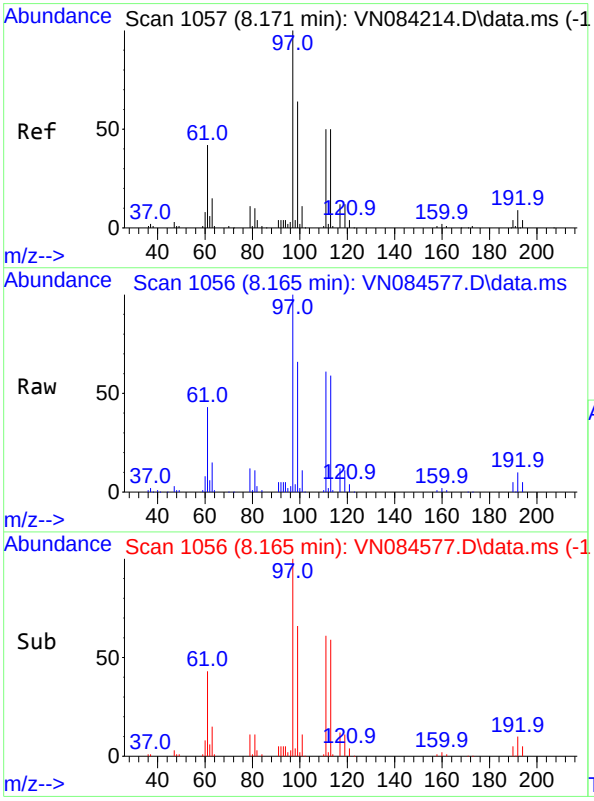
#31
Cyclohexane
Concen: 45.053 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

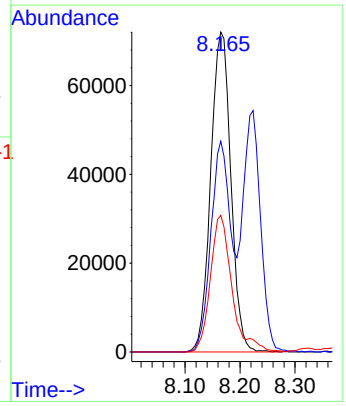


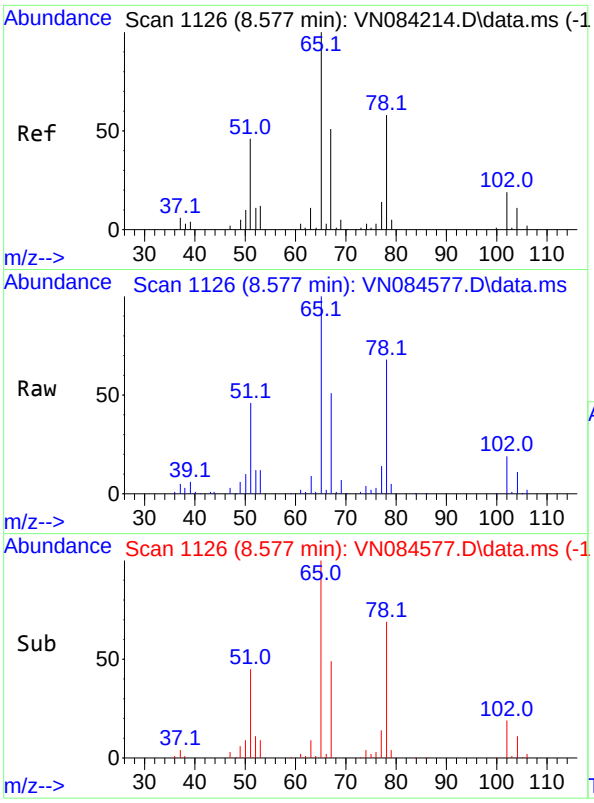


#32
1,1,1-Trichloroethane
Concen: 46.774 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



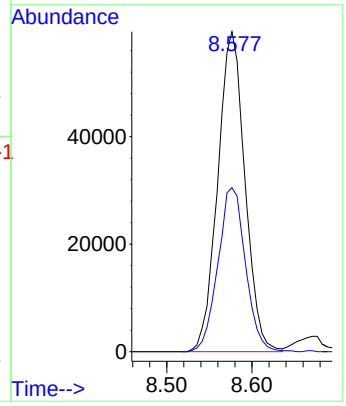


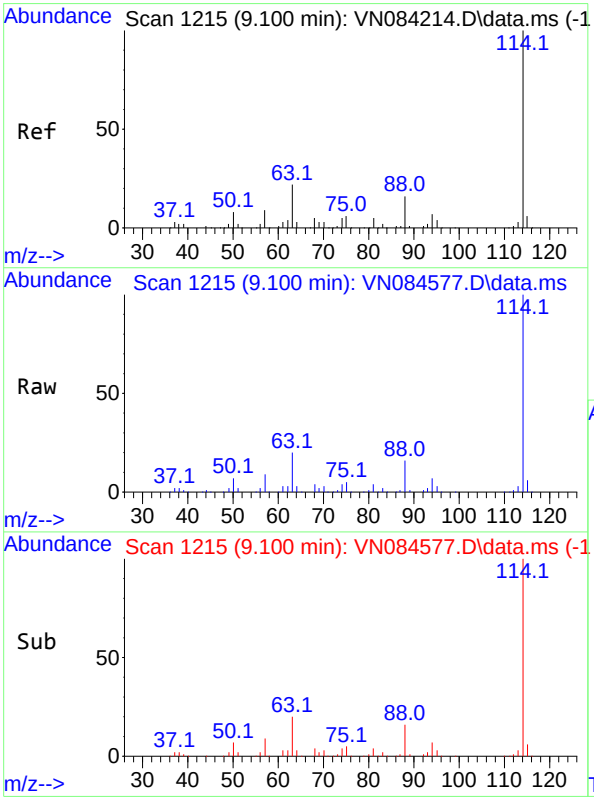
#33
1,2-Dichloroethane-d4
Concen: 47.560 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 65 Resp: 132029

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0

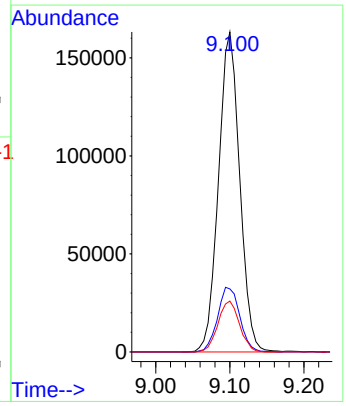


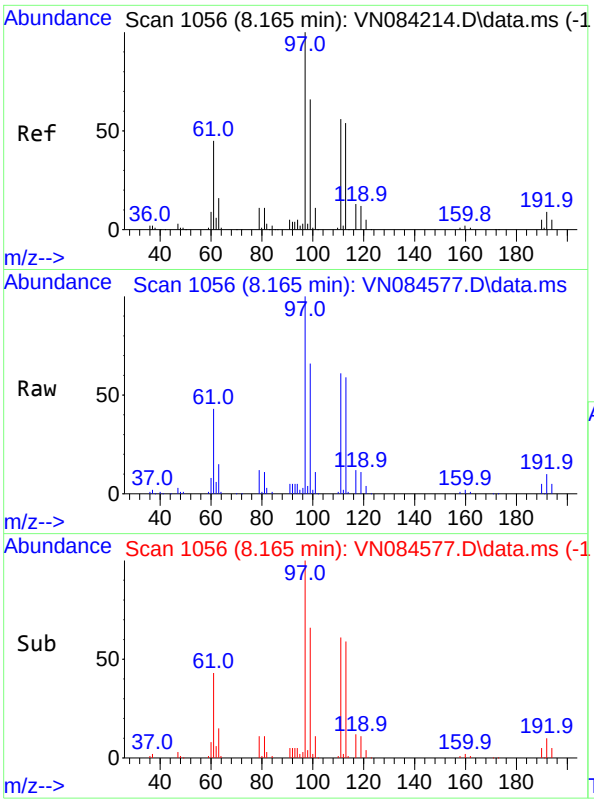


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



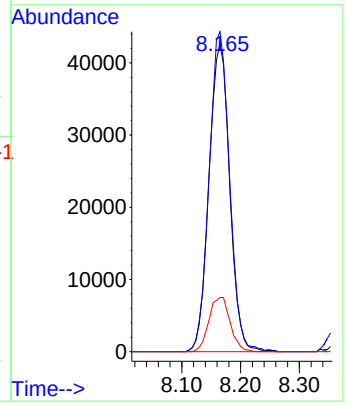


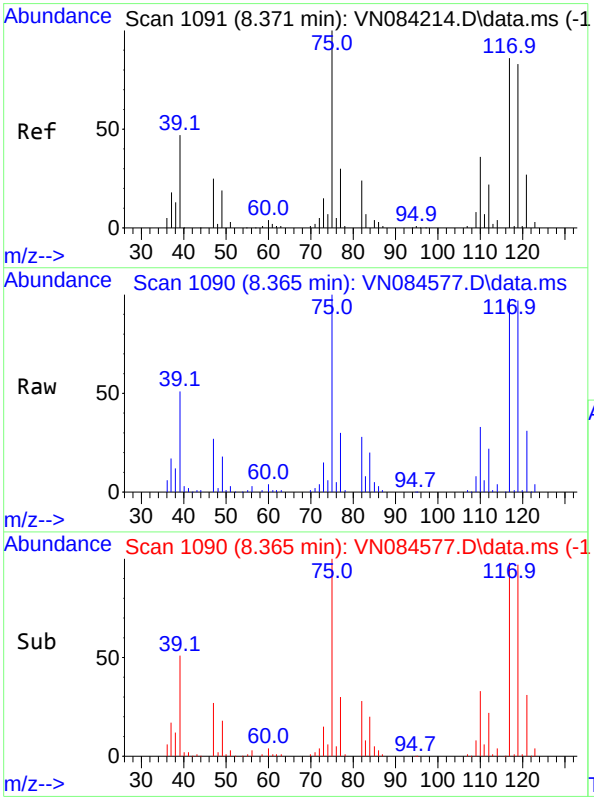
#35
Dibromofluoromethane
Concen: 47.522 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

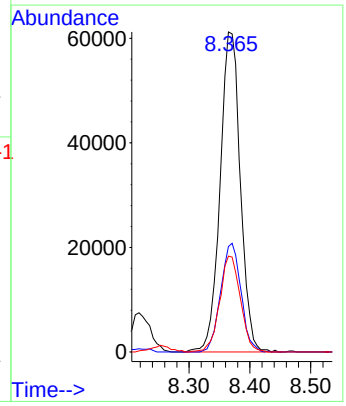


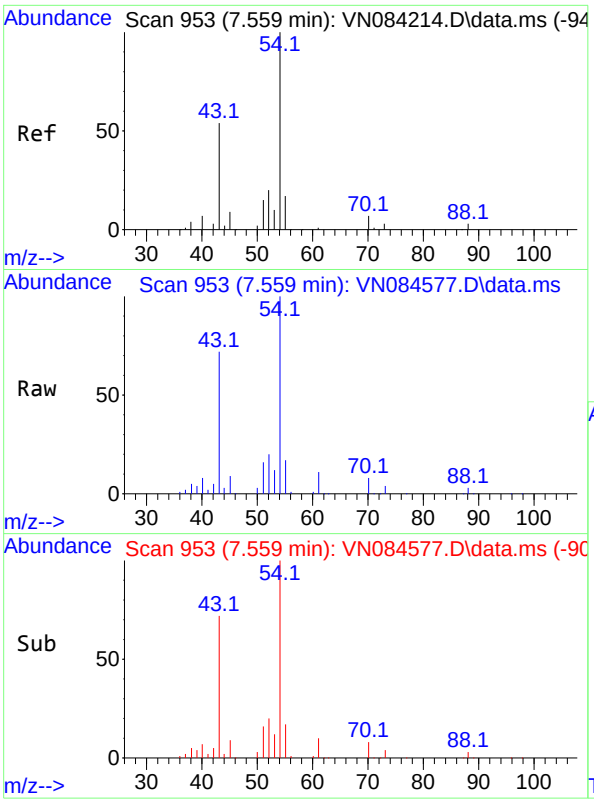


#36
1,1-Dichloropropene
Concen: 46.370 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



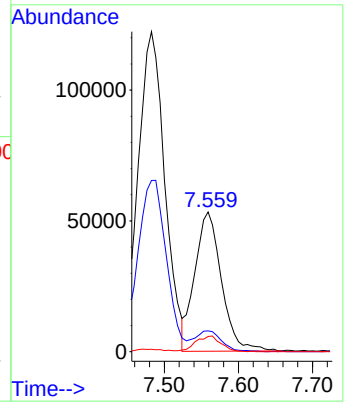


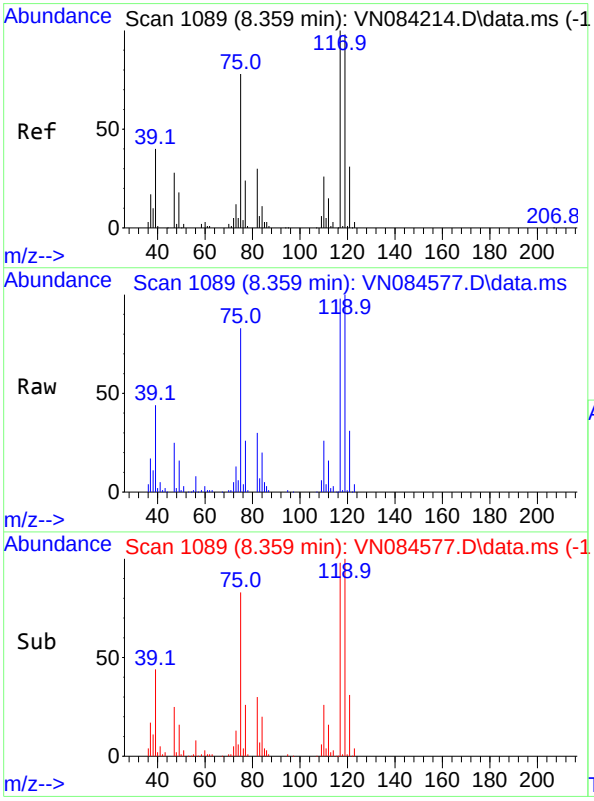
#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

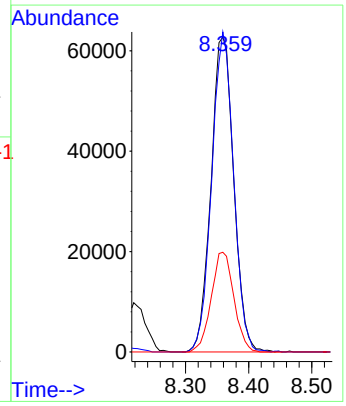


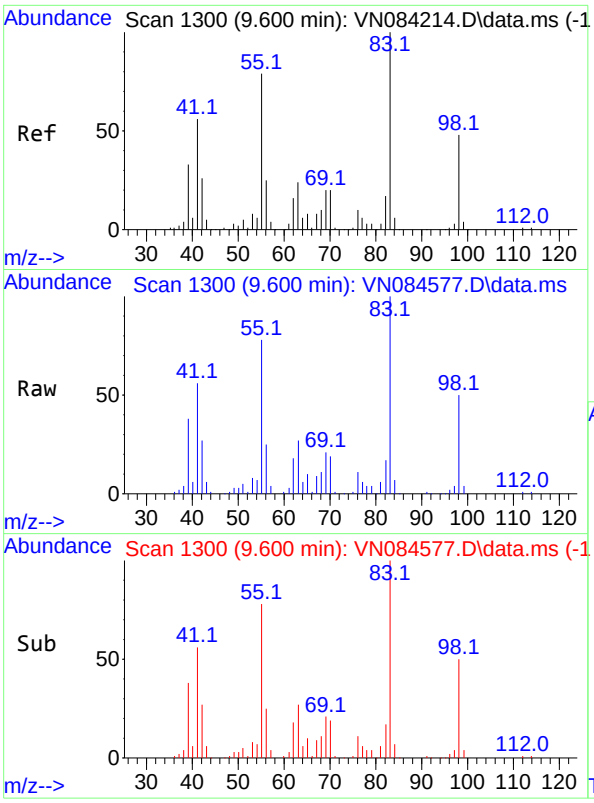


#38
Carbon Tetrachloride
Concen: 46.145 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



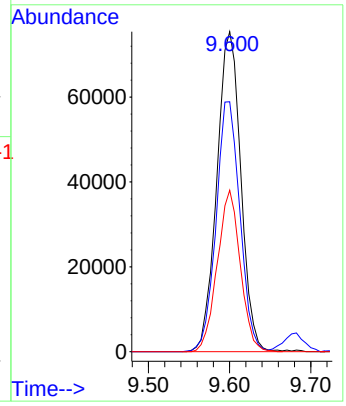


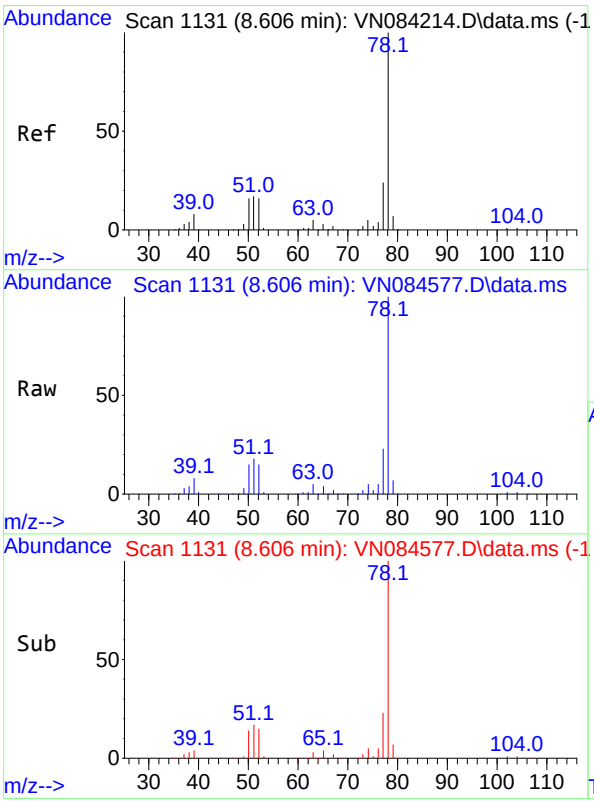
#39
Methylcyclohexane
Concen: 49.969 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

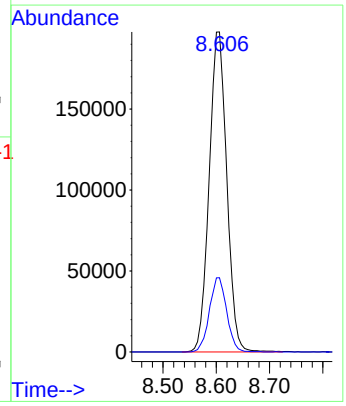


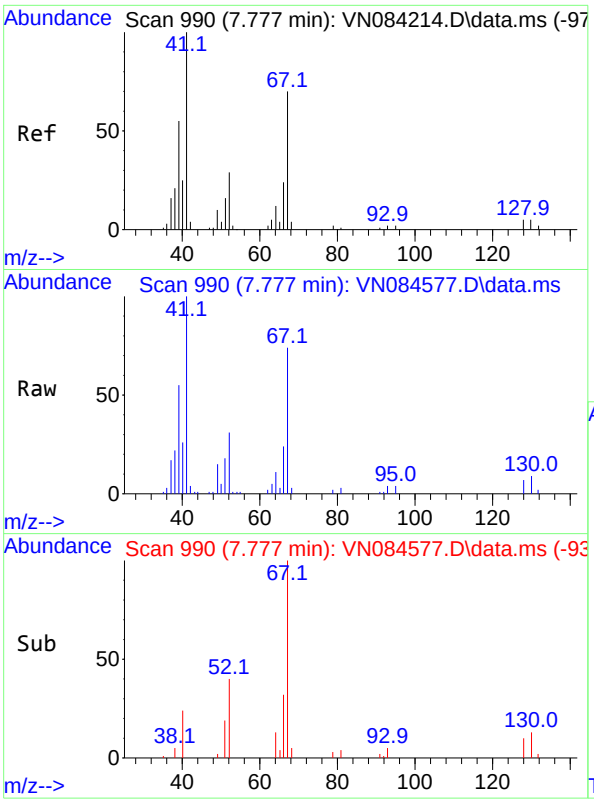


#40
Benzene
Concen: 46.273 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 78 Resp: 452351

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



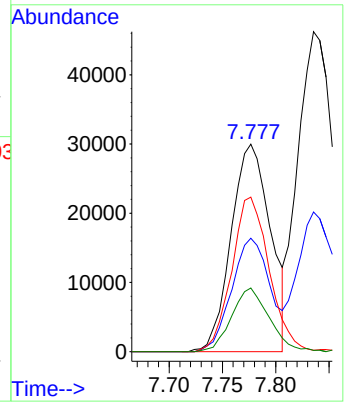


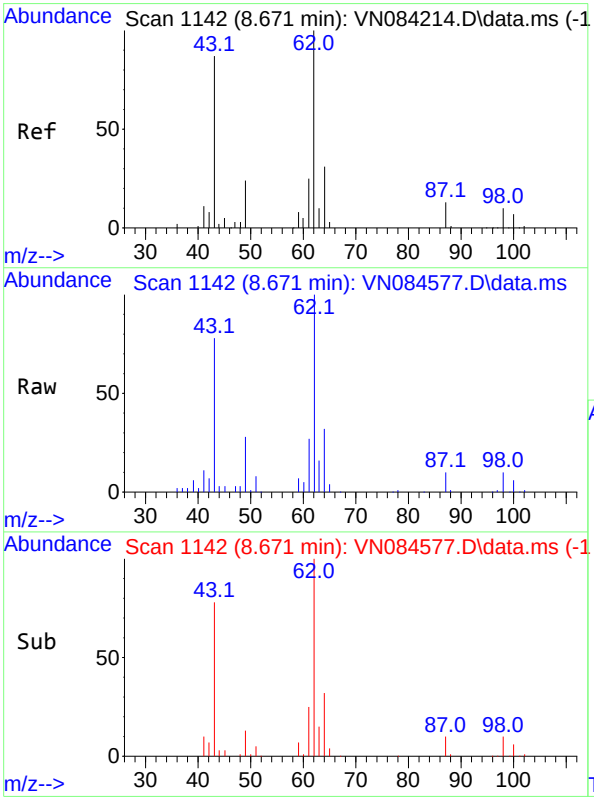
#41
Methacrylonitrile
Concen: 51.964 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

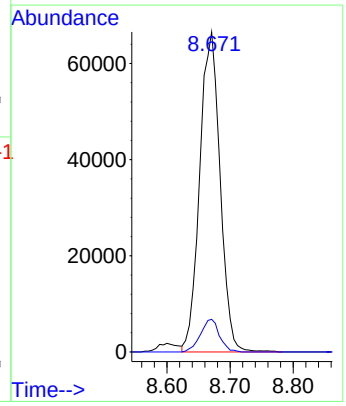


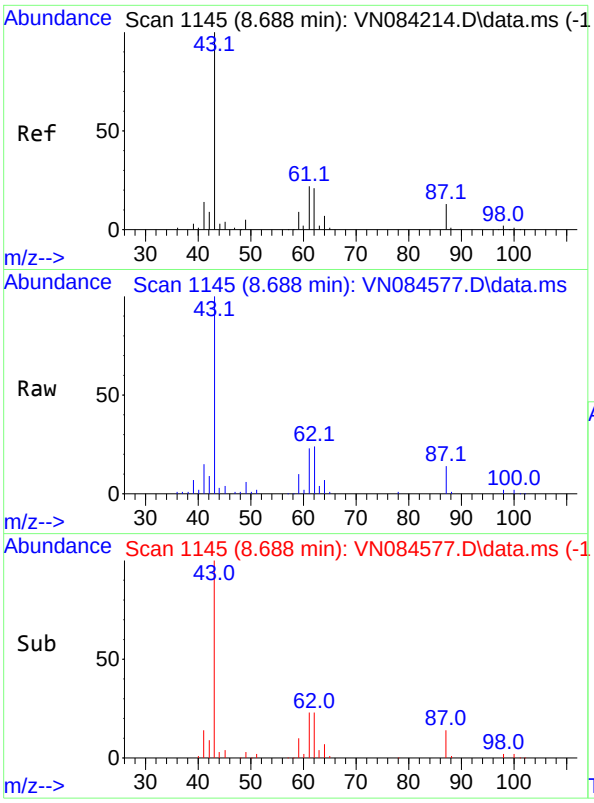


#42
1,2-Dichloroethane
Concen: 47.118 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 62 Resp: 149173

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



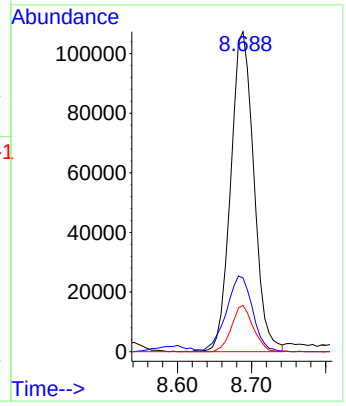


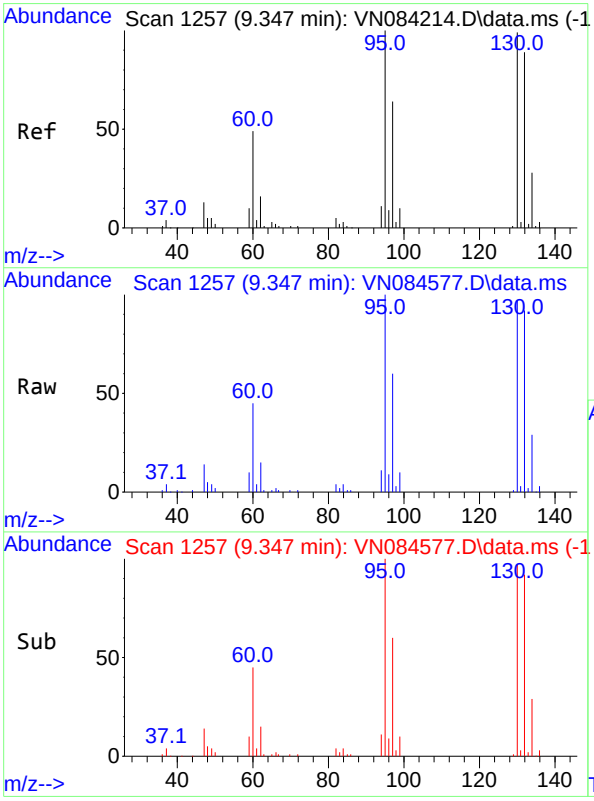
#43
Isopropyl Acetate
Concen: 45.492 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

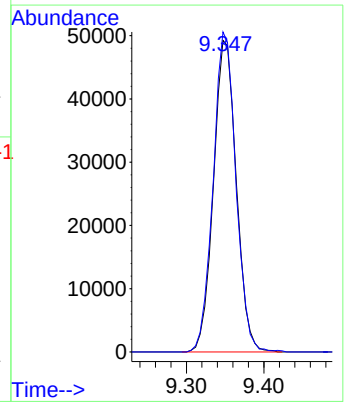


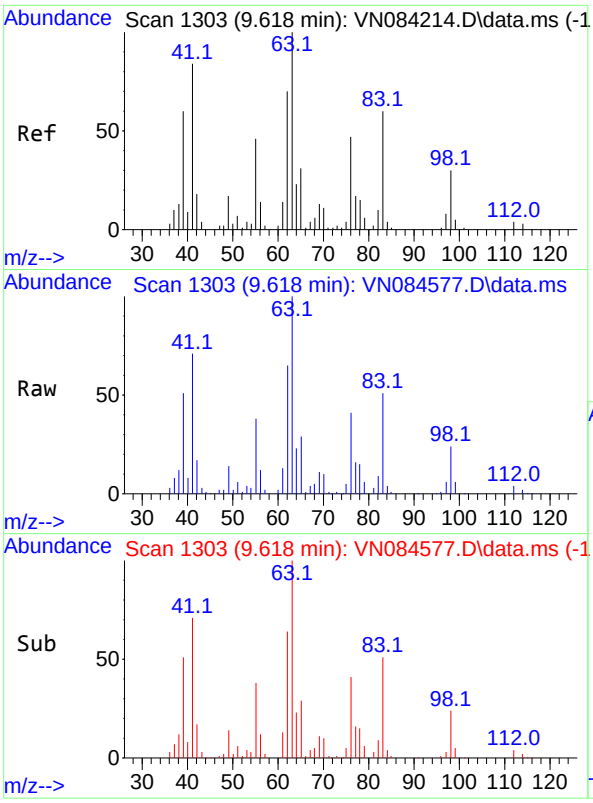


#44
Trichloroethene
Concen: 44.732 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:130 Resp: 100849

Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.0



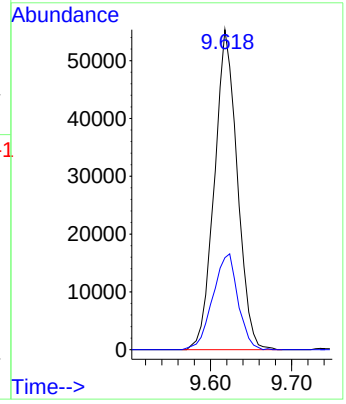


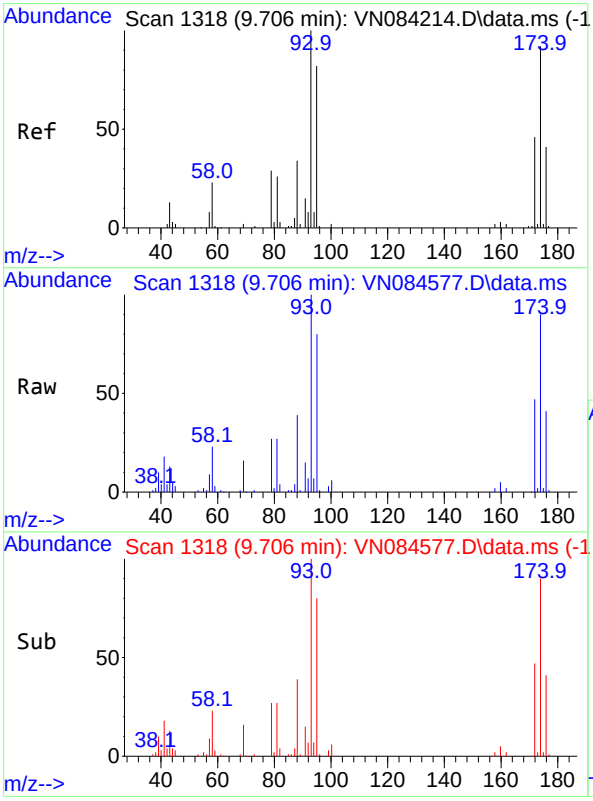
#45
1,2-Dichloropropane
Concen: 47.196 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 63 Resp: 108229

Ion	Ratio	Lower	Upper
63	100		
65	28.8	24.6	37.0

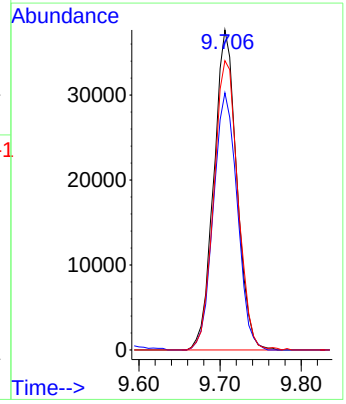


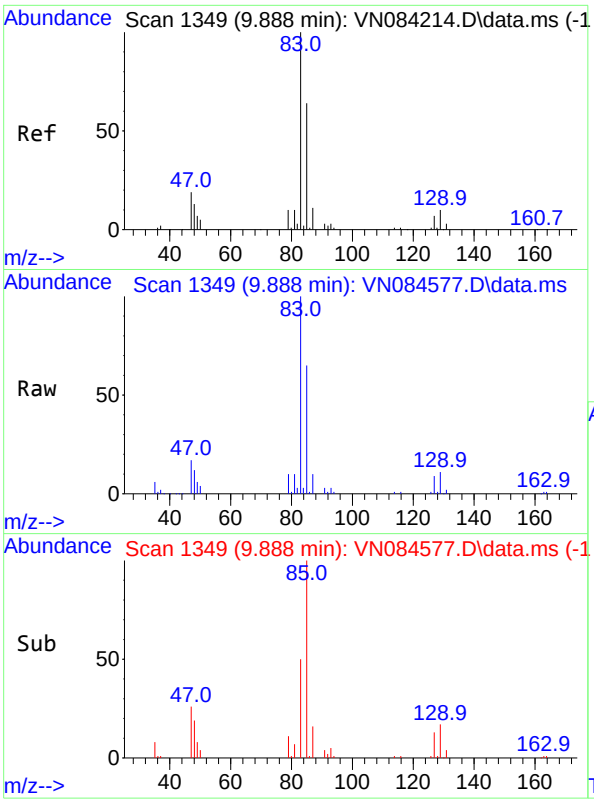


#46
Dibromomethane
Concen: 45.911 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



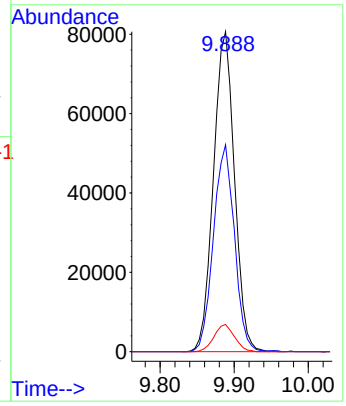


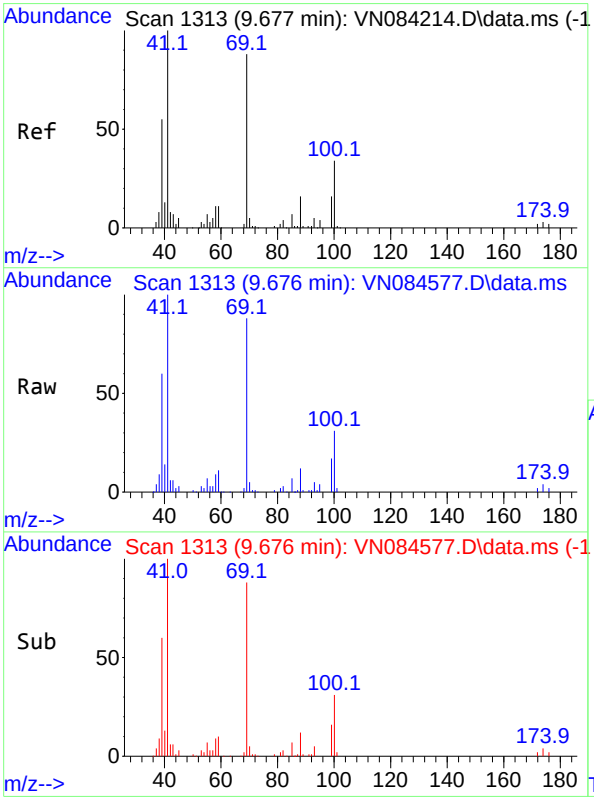
#47
Bromodichloromethane
Concen: 46.560 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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#

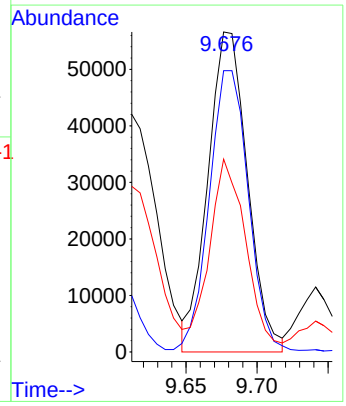


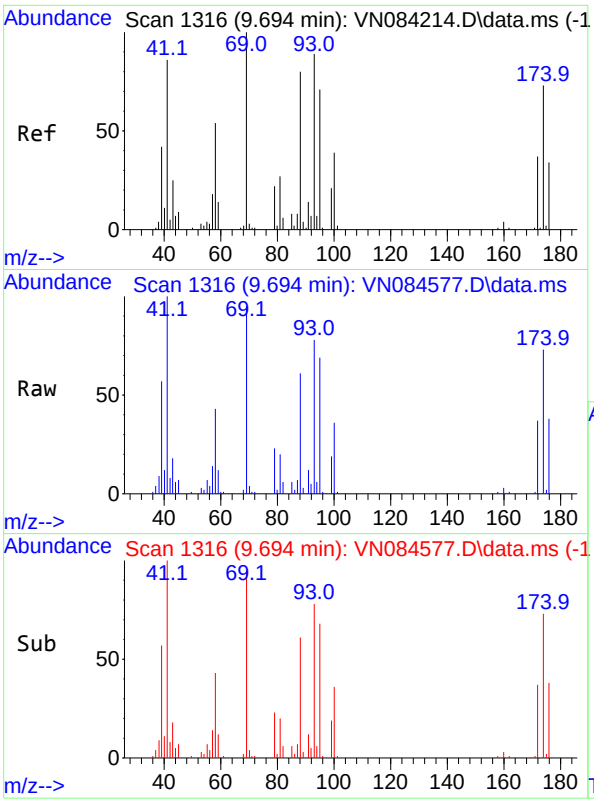


#48
Methyl methacrylate
Concen: 51.057 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



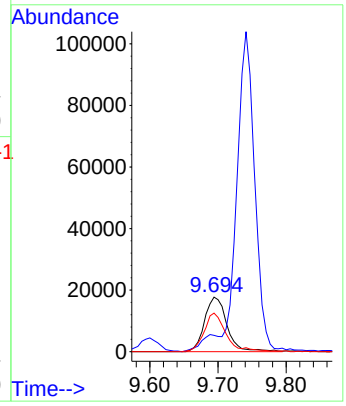


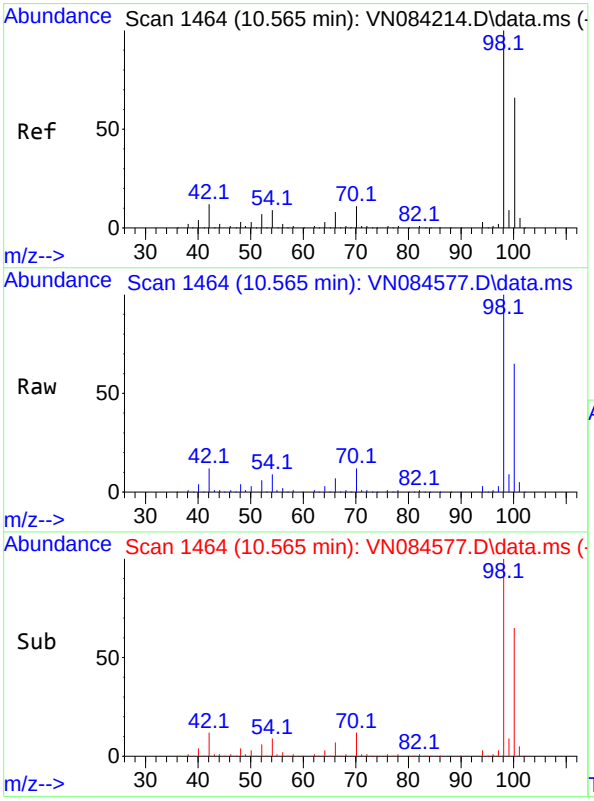
#49
1,4-Dioxane
Concen: 1063.992 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

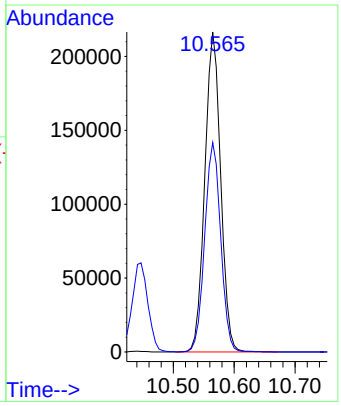


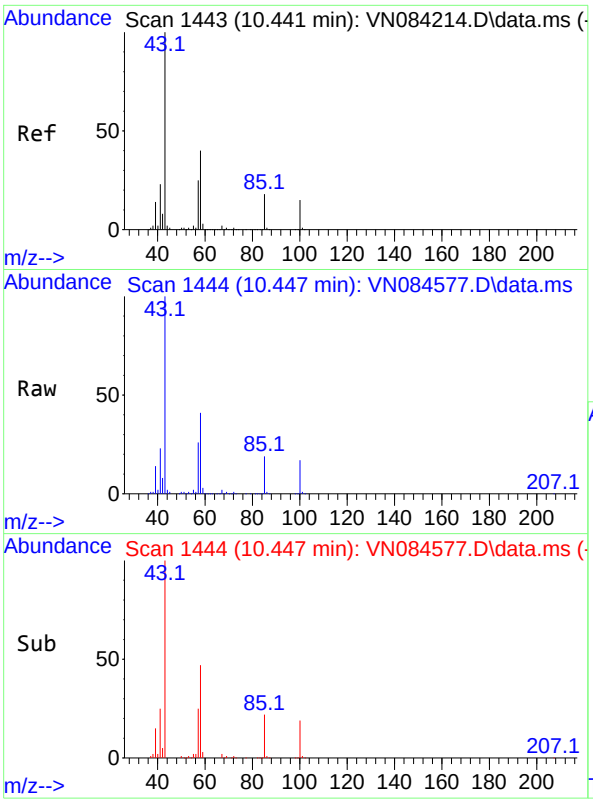


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 98 Resp: 390989

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1



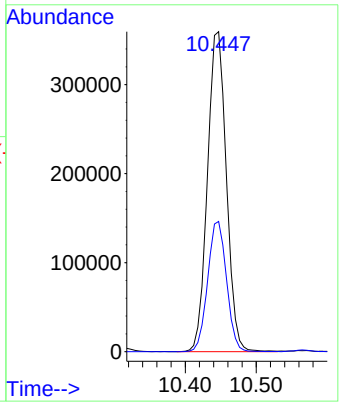


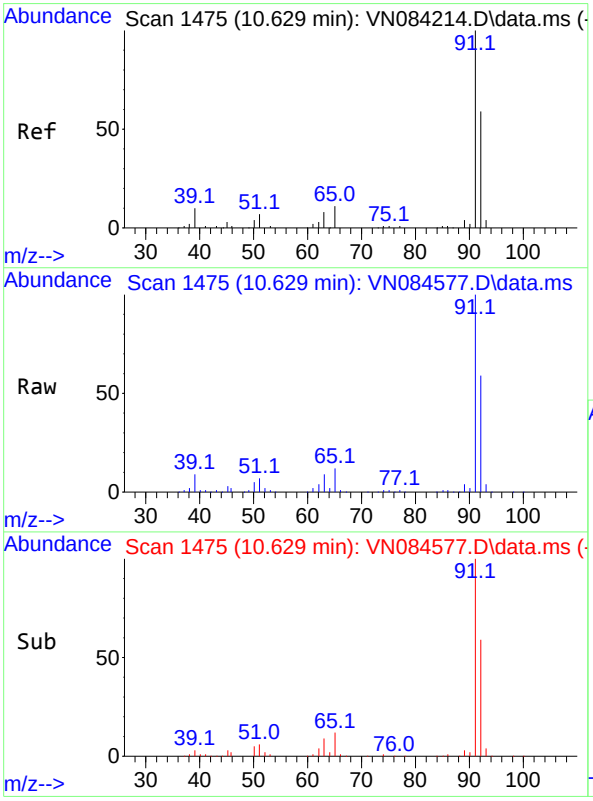
#51
4-Methyl-2-Pentanone
Concen: 252.729 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 665397

Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.6	47.4

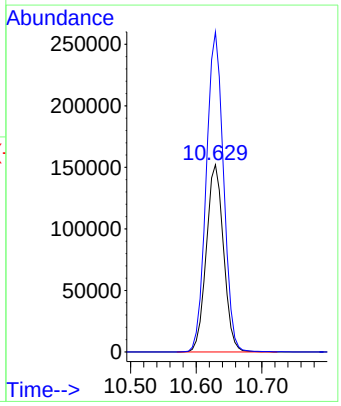


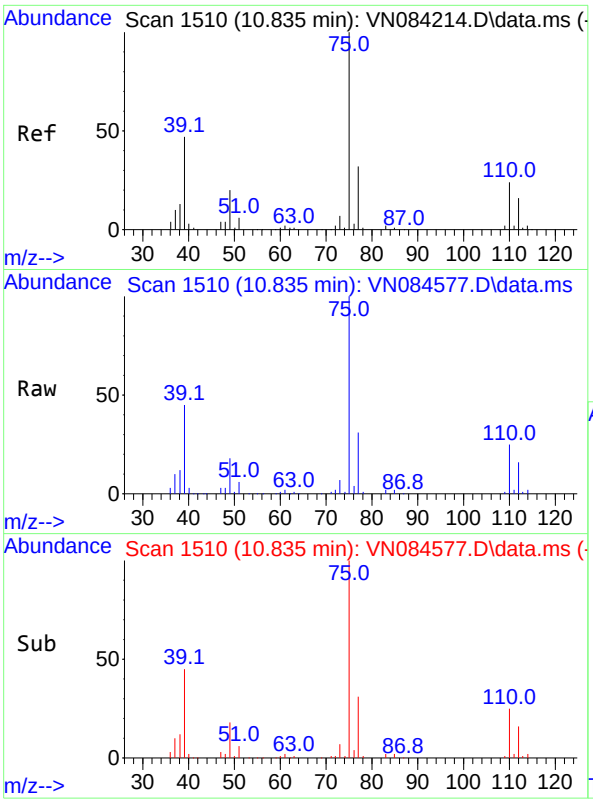


#52
Toluene
Concen: 48.616 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 92 Resp: 277957

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.3	205.9



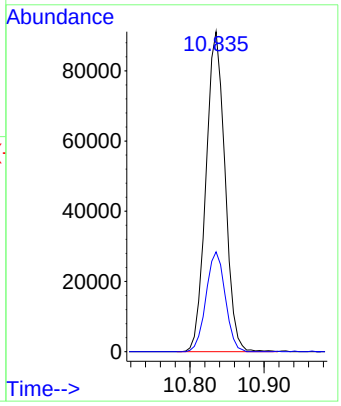


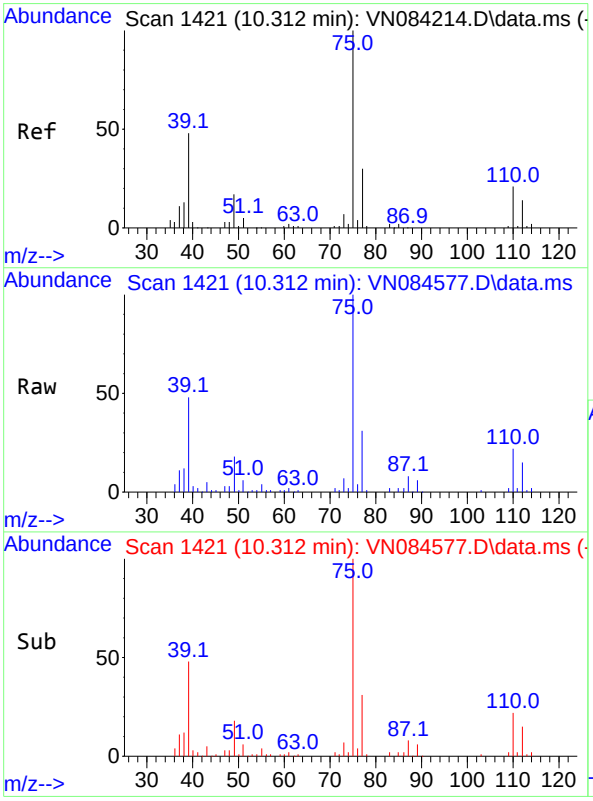
#53
t-1,3-Dichloropropene
Concen: 45.911 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 75 Resp: 162100

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.0

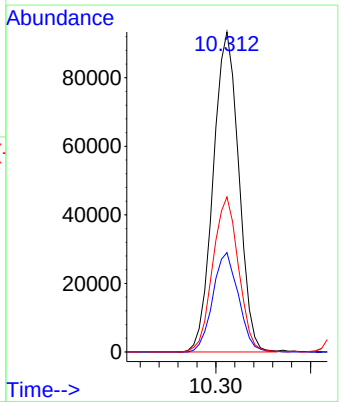


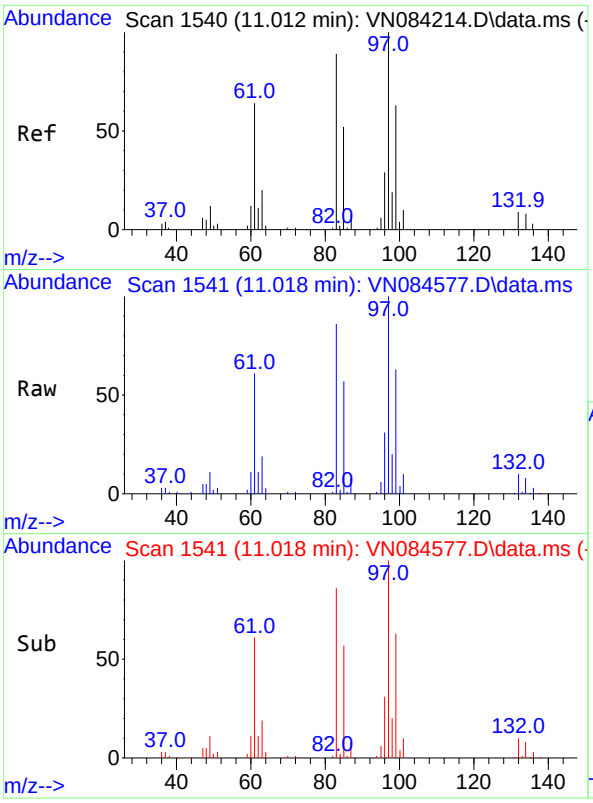


#54
cis-1,3-Dichloropropene
Concen: 46.832 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



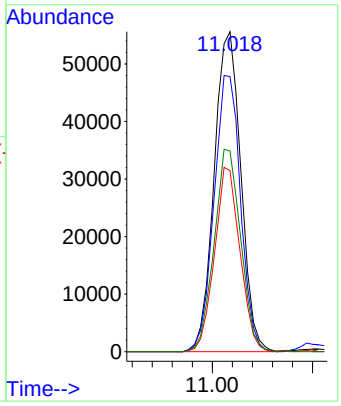


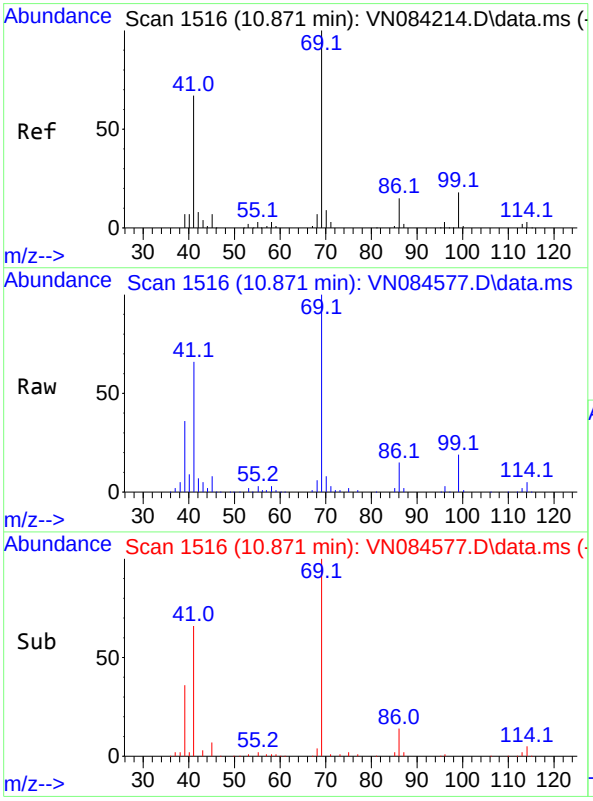
#55
1,1,2-Trichloroethane
Concen: 47.618 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

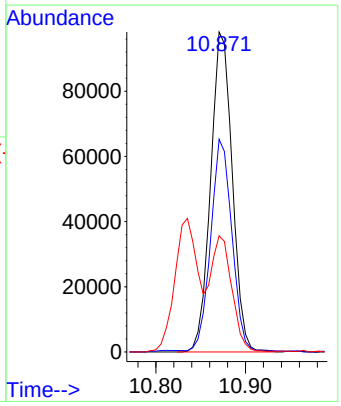


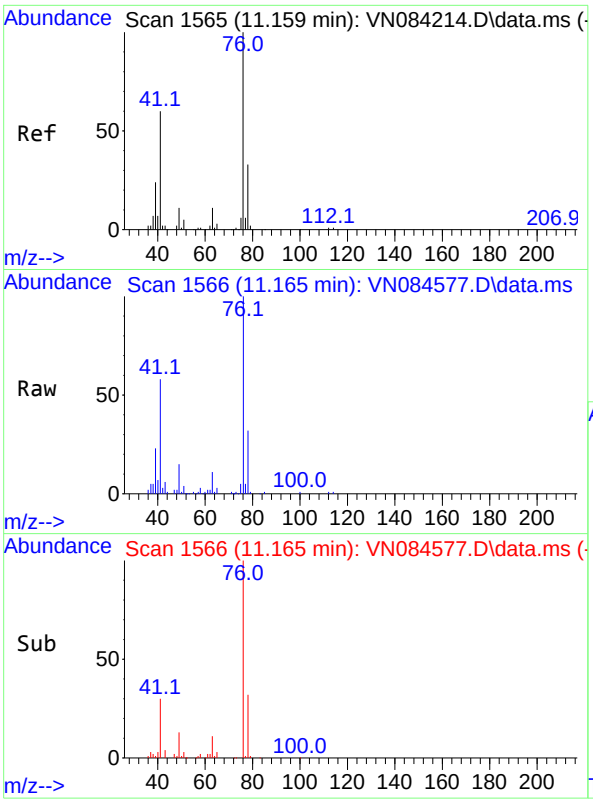


#56
Ethyl methacrylate
Concen: 52.764 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



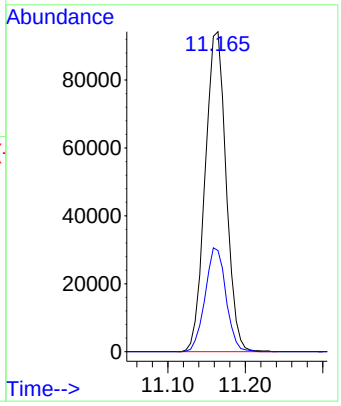


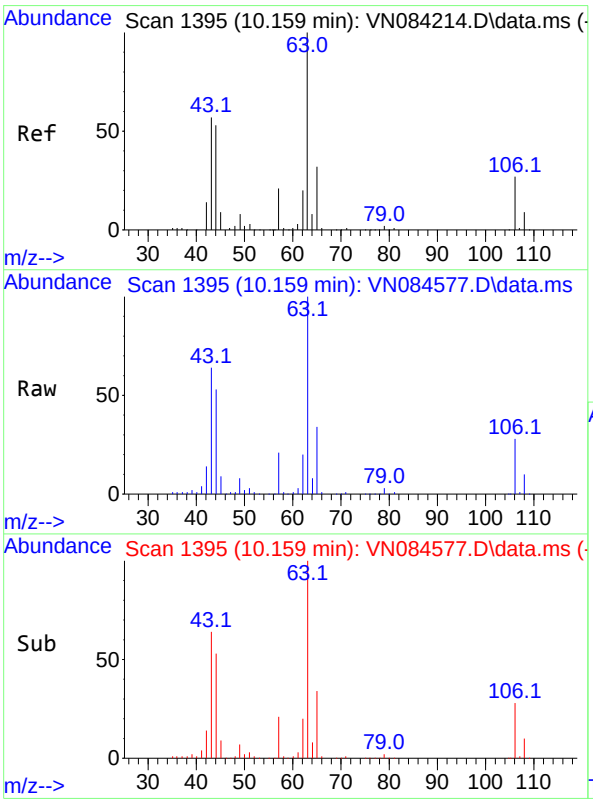
#57
1,3-Dichloropropane
Concen: 47.765 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 76 Resp: 176546

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

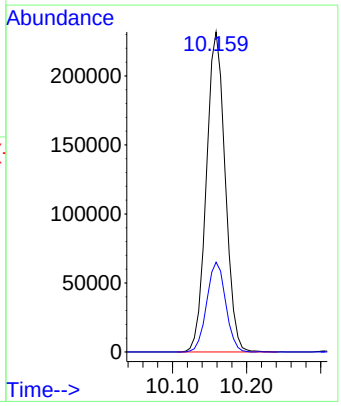


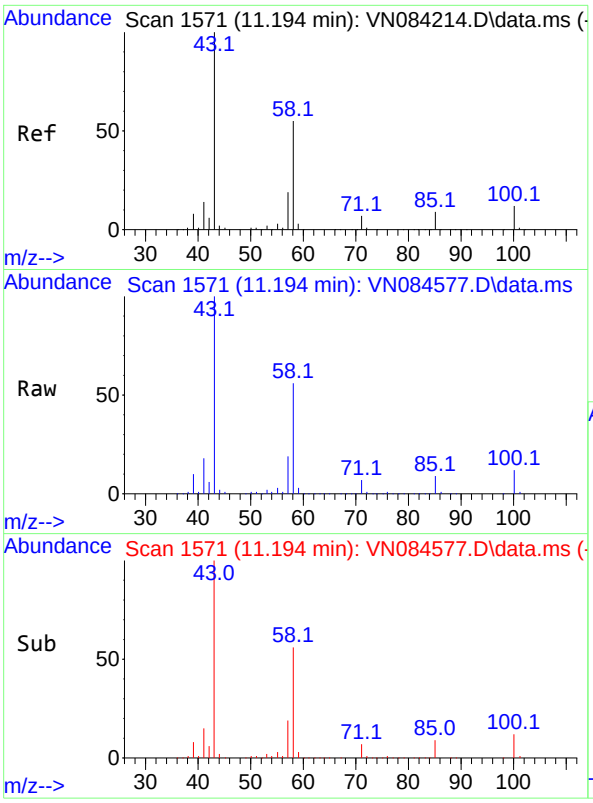


#58
2-Chloroethyl Vinyl ether
Concen: 280.013 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 63 Resp: 408174

Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6



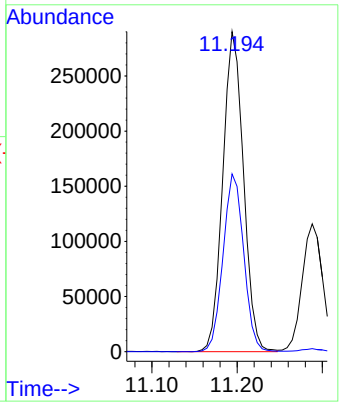


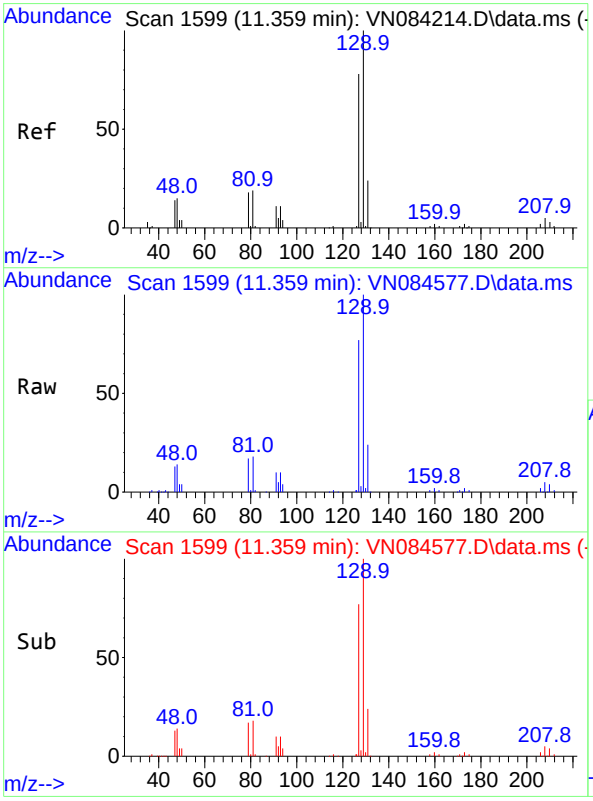
#59
2-Hexanone
Concen: 255.570 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 43 Resp: 489776

Ion	Ratio	Lower	Upper
43	100		
58	55.4	27.3	81.8

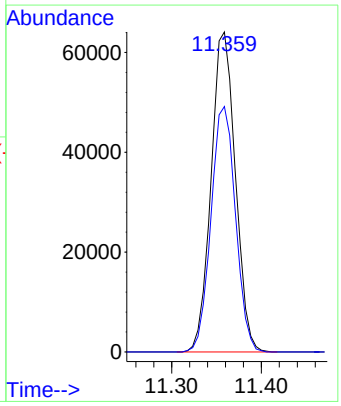


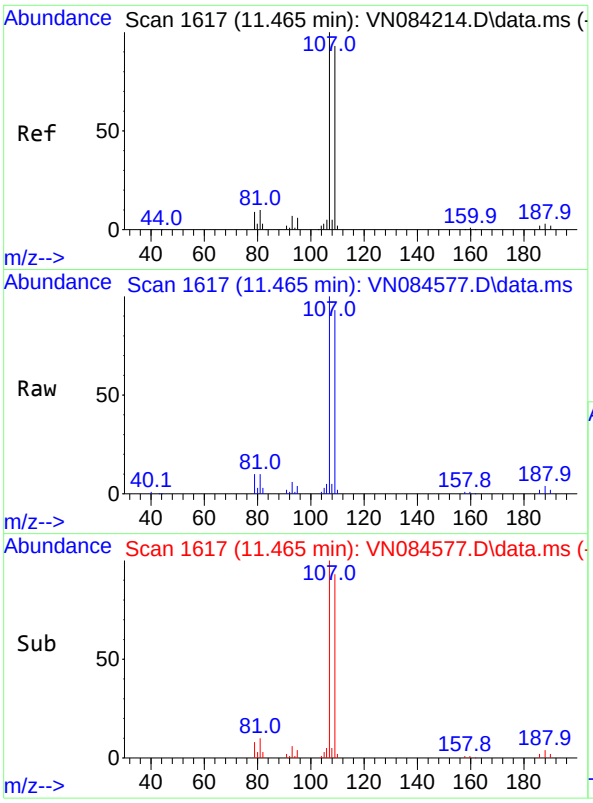


#60
Dibromochloromethane
Concen: 49.079 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:129 Resp: 120465

Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.3	114.9



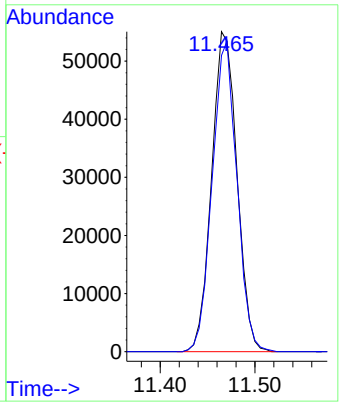


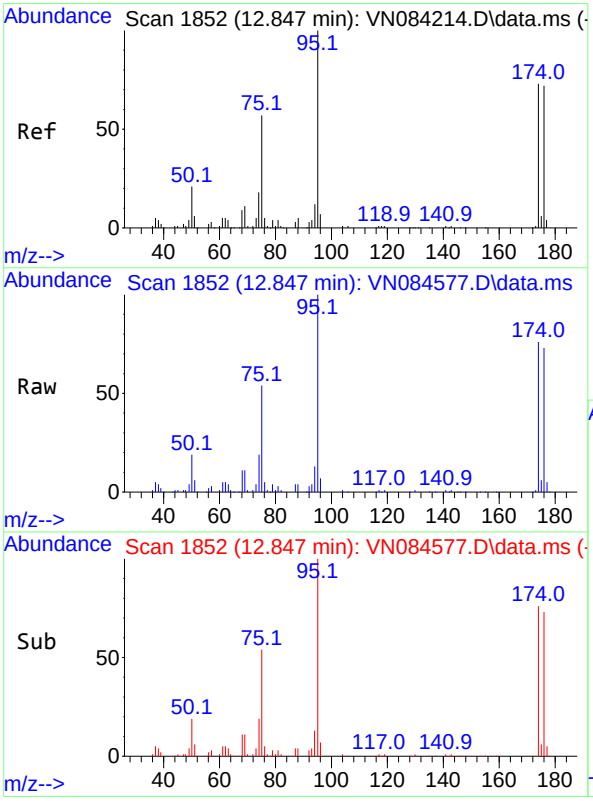
#61
1,2-Dibromoethane
Concen: 46.393 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:107 Resp: 102316

Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

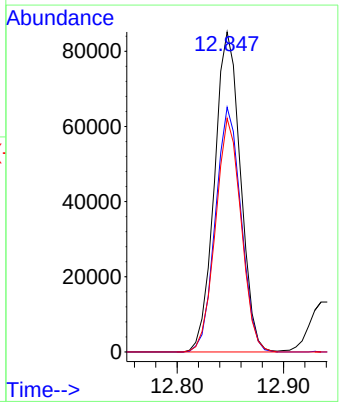


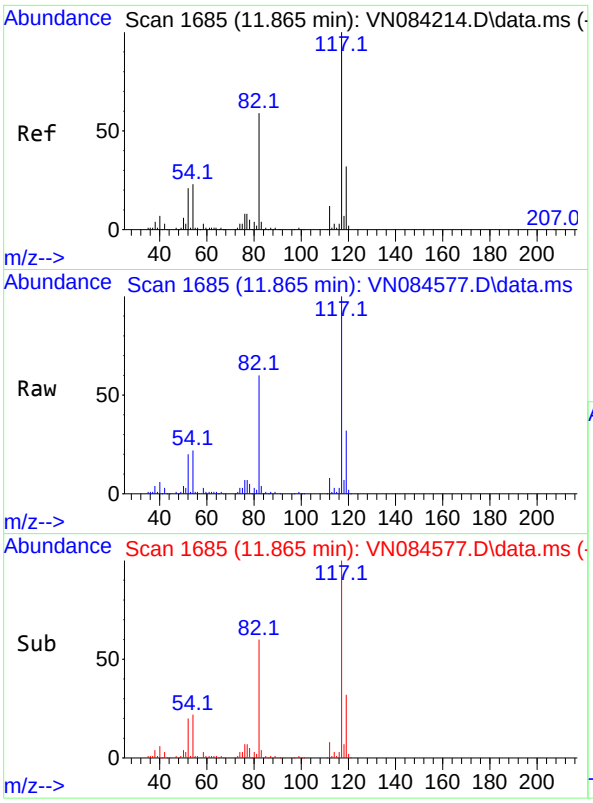


#62
4-Bromofluorobenzene
Concen: 47.715 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



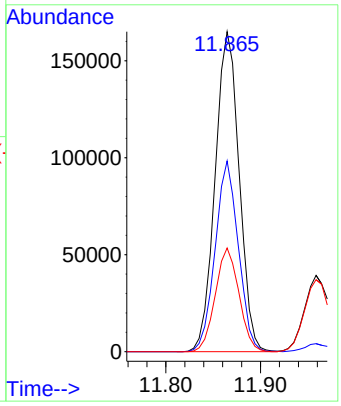


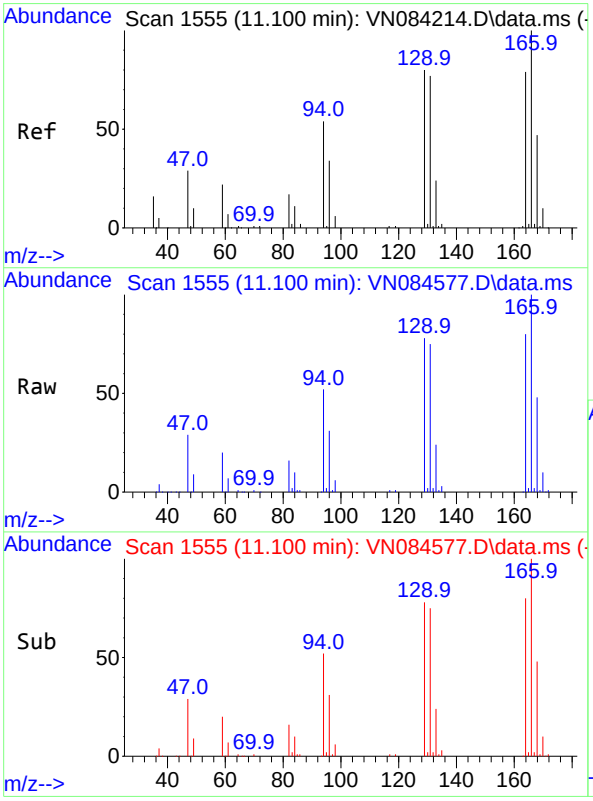
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

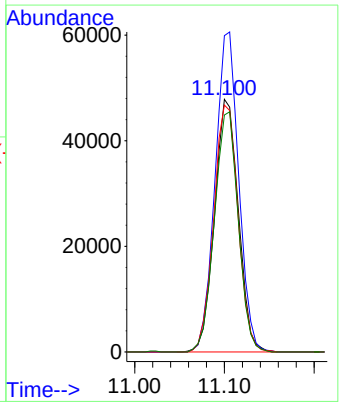


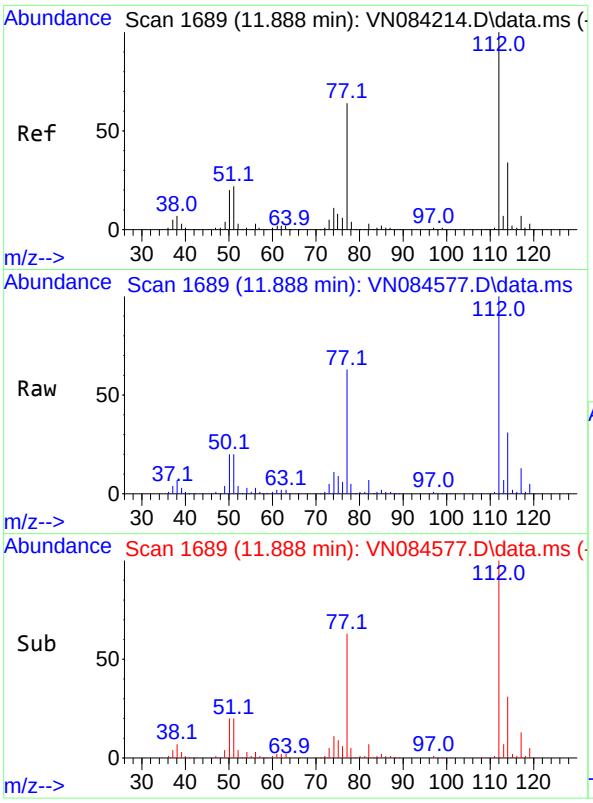


#64
Tetrachloroethene
Concen: 45.436 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



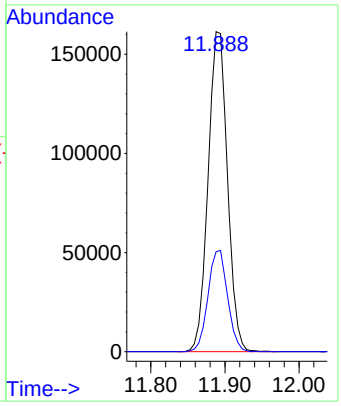


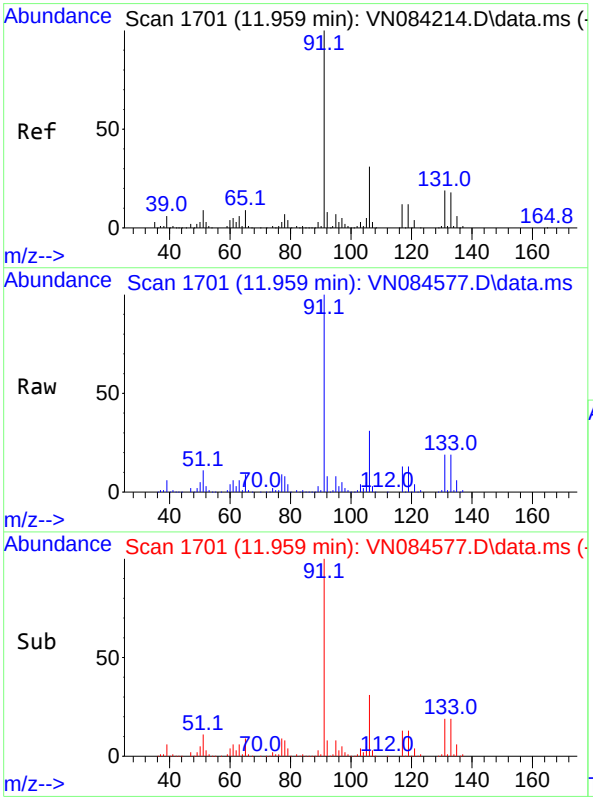
#65
Chlorobenzene
Concen: 44.872 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:112 Resp: 292713

Ion	Ratio	Lower	Upper
112	100		
114	31.2	27.0	40.6

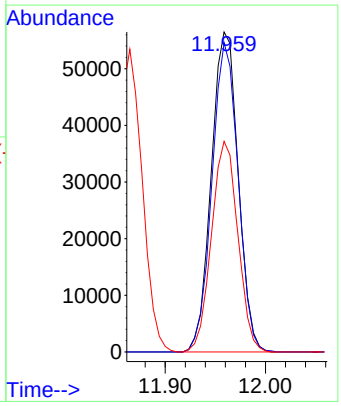


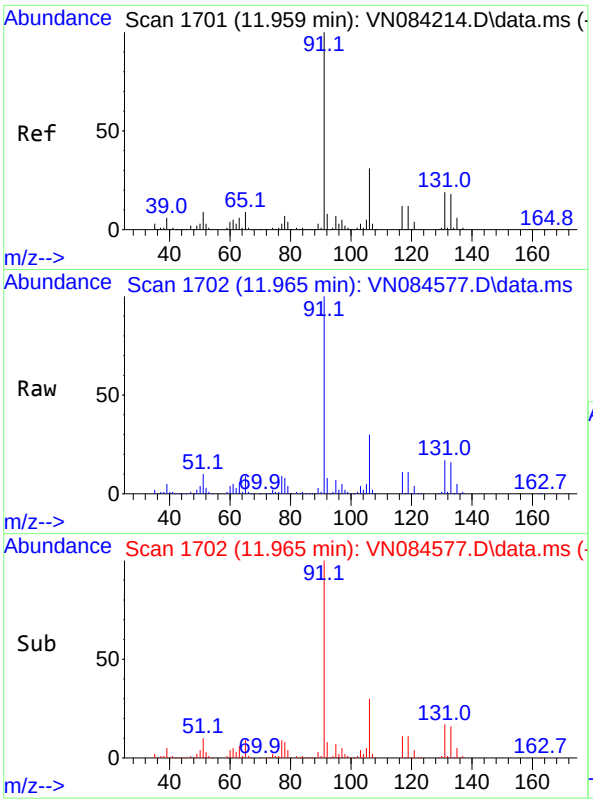


#66
1,1,1,2-Tetrachloroethane
Concen: 46.323 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



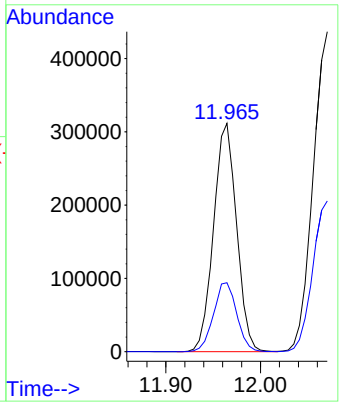


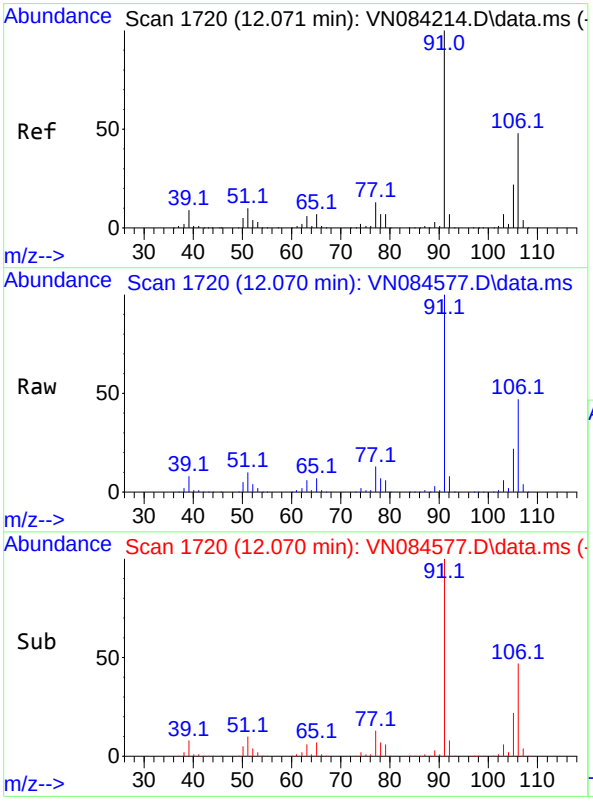
#67
Ethyl Benzene
Concen: 48.319 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 526140

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

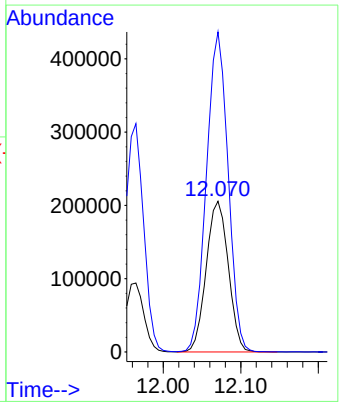


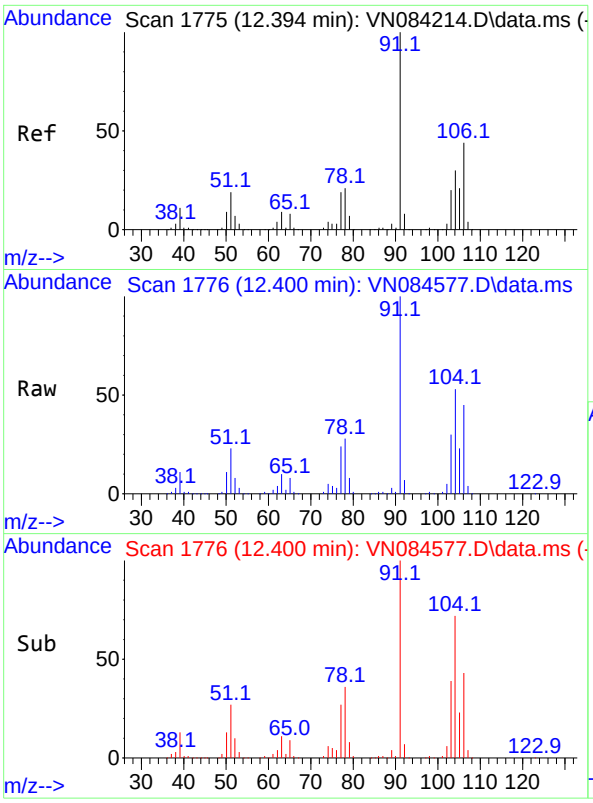


#68
m/p-Xylenes
Concen: 98.979 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:106 Resp: 408029

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



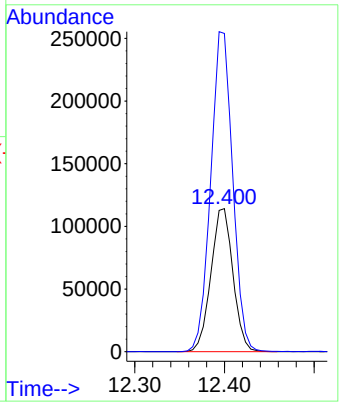


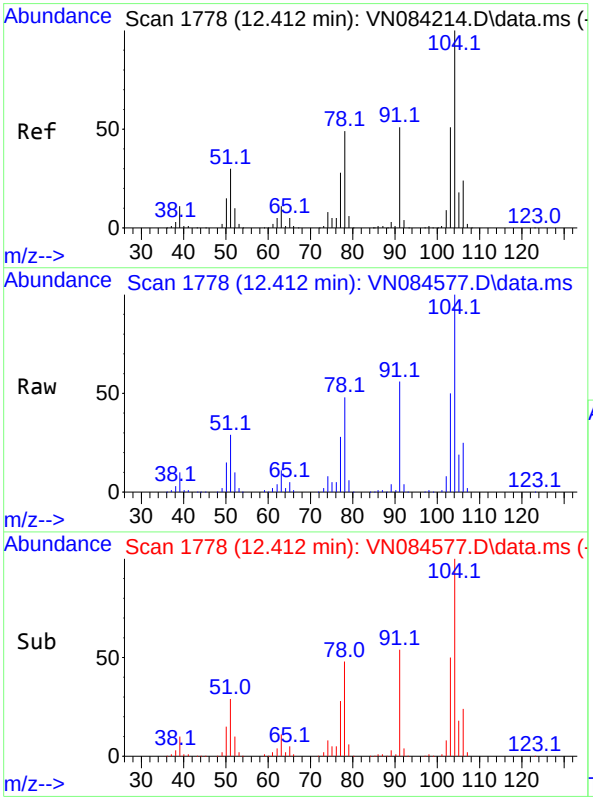
#69
o-Xylene
Concen: 50.538 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:106 Resp: 194895

Ion	Ratio	Lower	Upper
106	100		
91	222.7	110.2	330.6

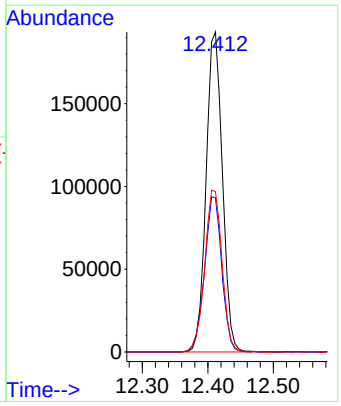


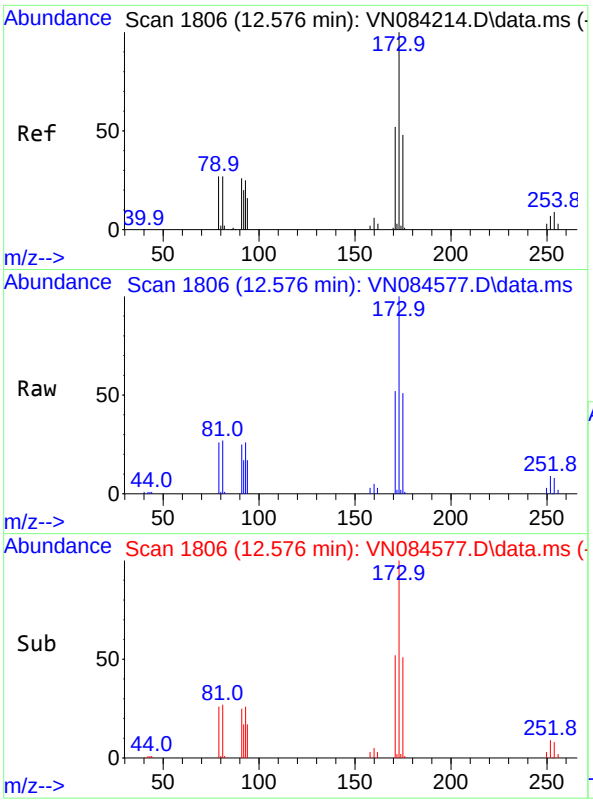


#70
Styrene
Concen: 49.600 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



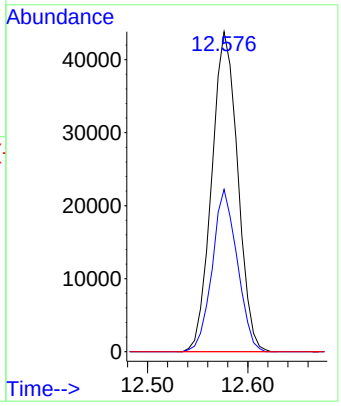


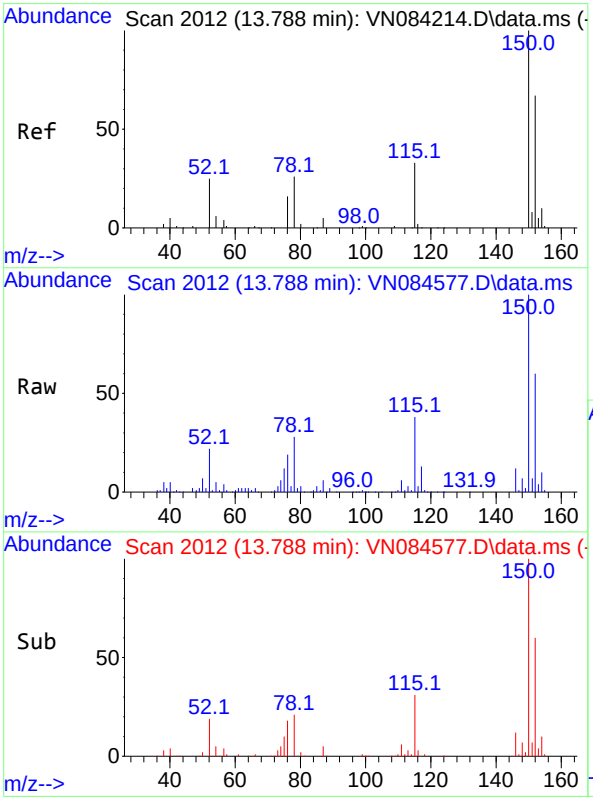
#71
Bromoform
Concen: 46.166 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

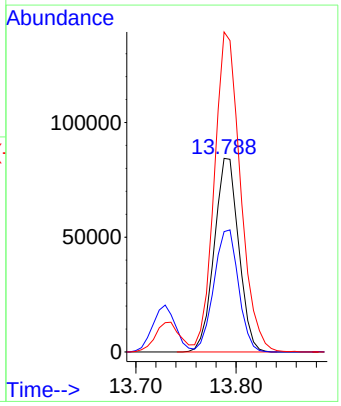


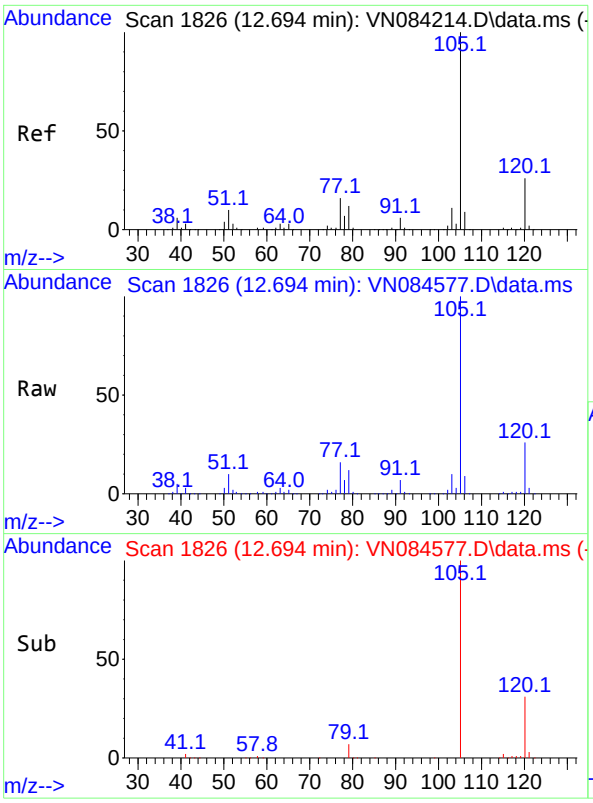


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



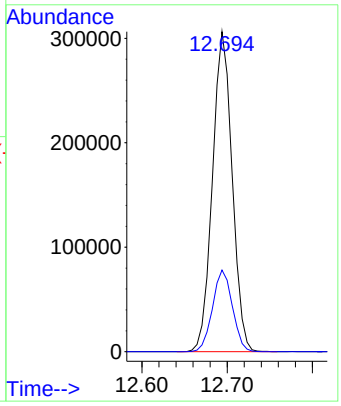


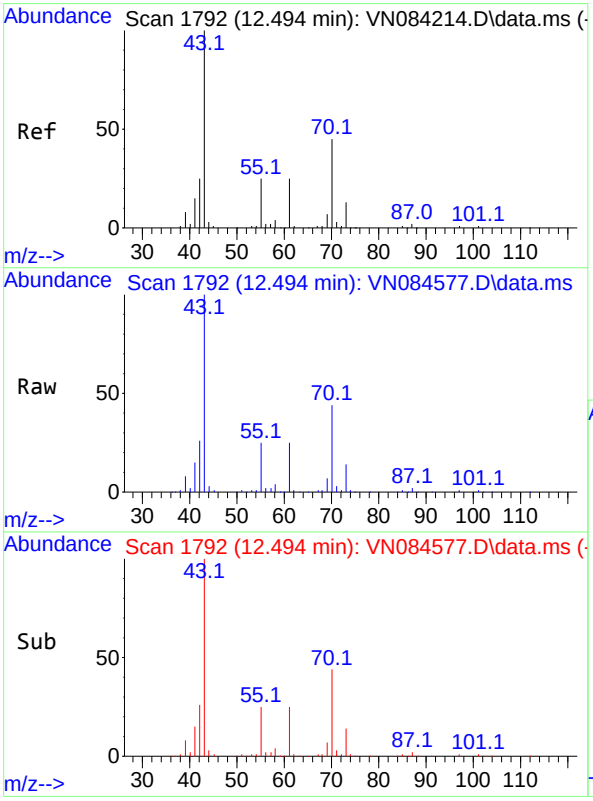
#73
Isopropylbenzene
Concen: 49.063 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 491033

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

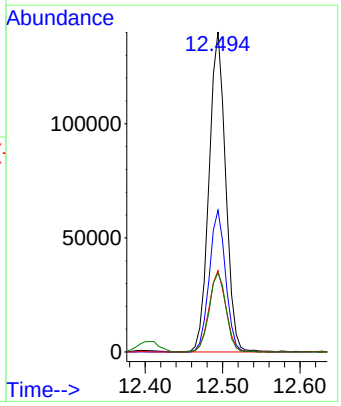


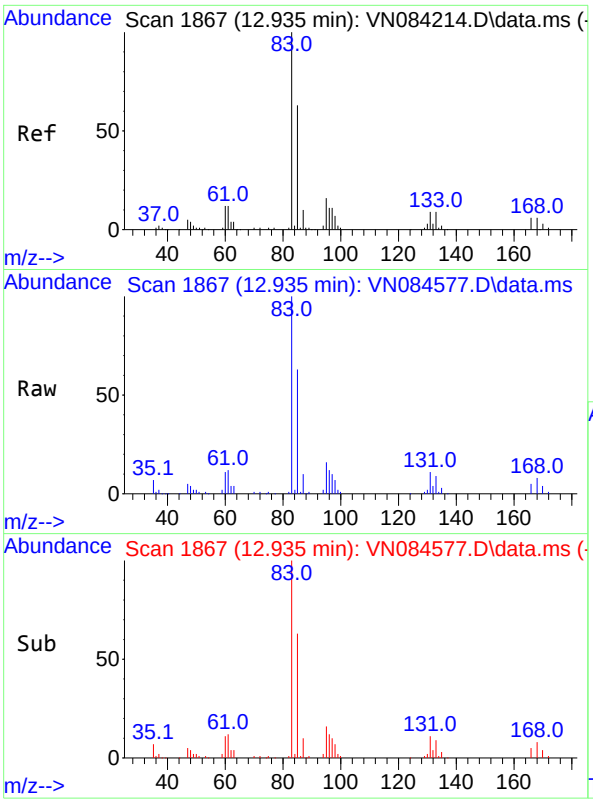


#74
N-amyl acetate
Concen: 49.076 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



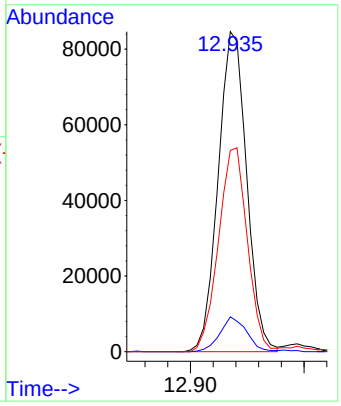


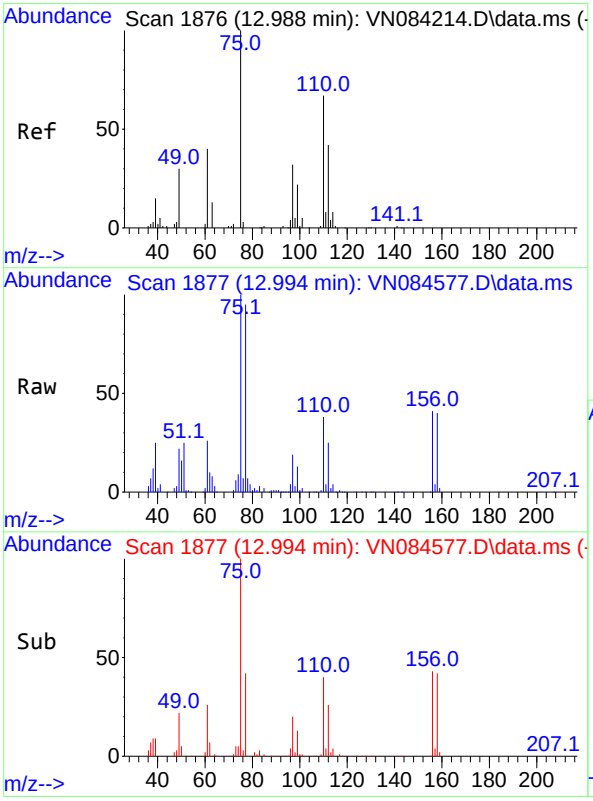
#75
1,1,2,2-Tetrachloroethane
Concen: 44.058 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

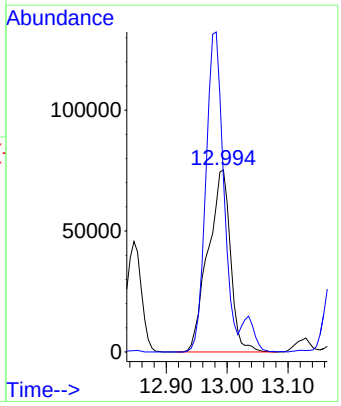


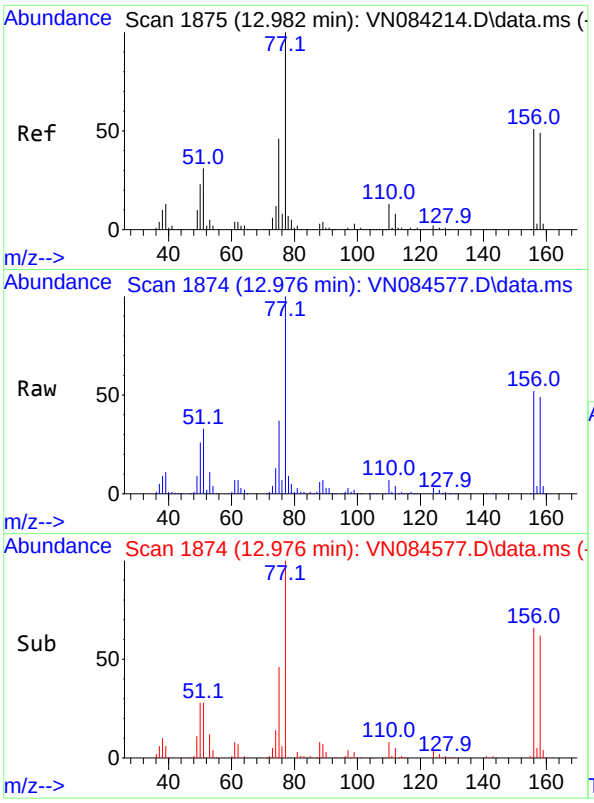


#76
1,2,3-Trichloropropane
Concen: 67.490 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 75 Resp: 192674

Ion	Ratio	Lower	Upper
75	100		
77	138.7	96.9	290.7



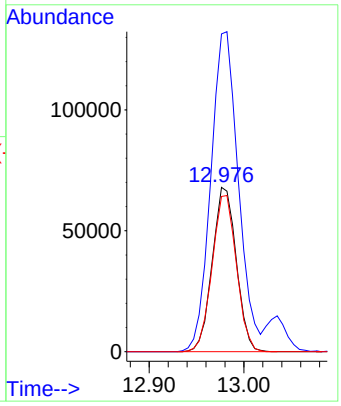


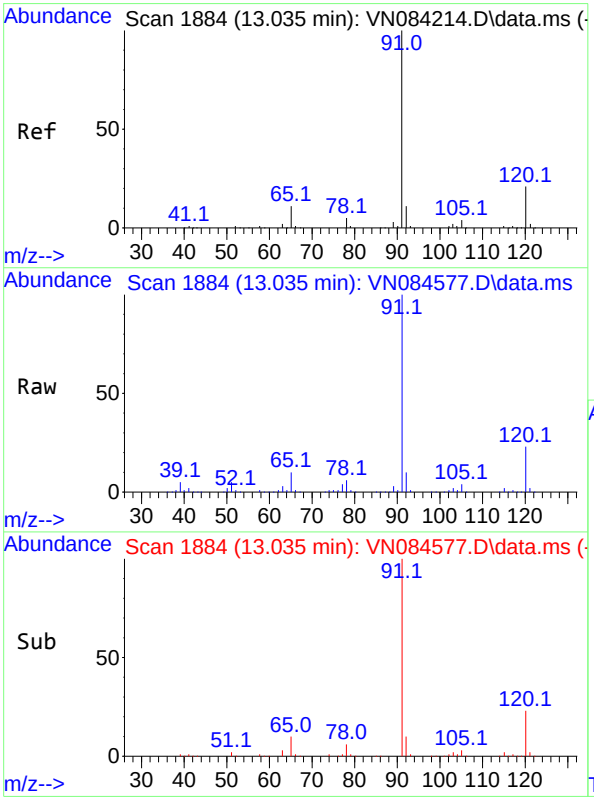
#77
Bromobenzene
Concen: 44.500 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

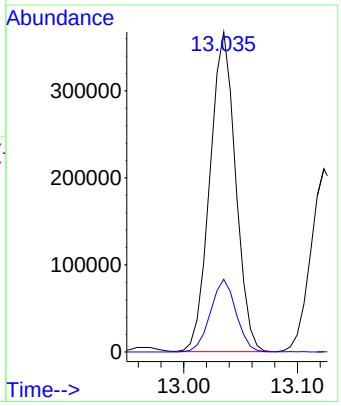


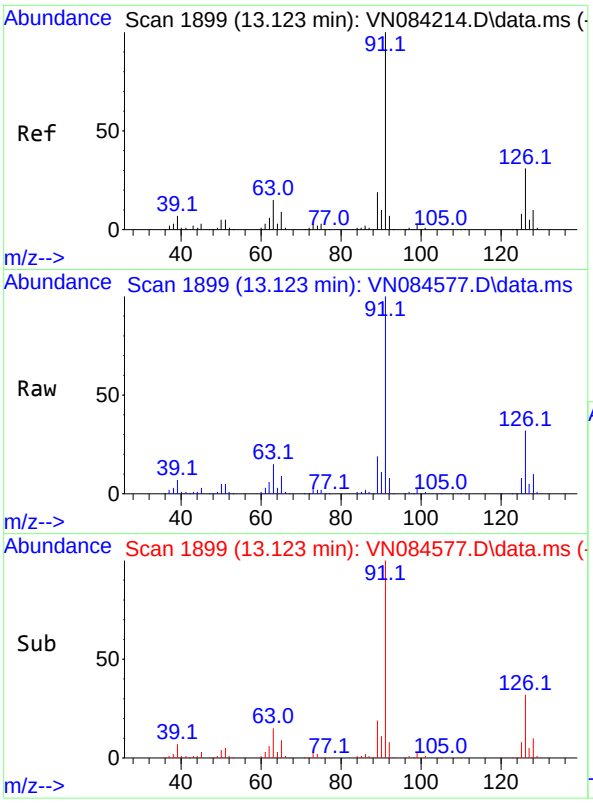


#78
n-propylbenzene
Concen: 49.156 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 576495

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



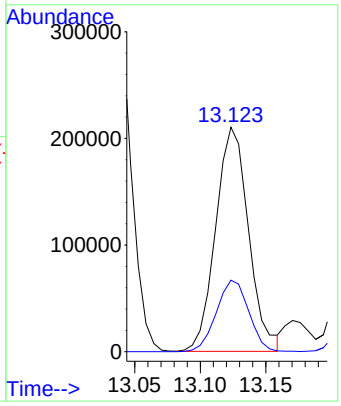


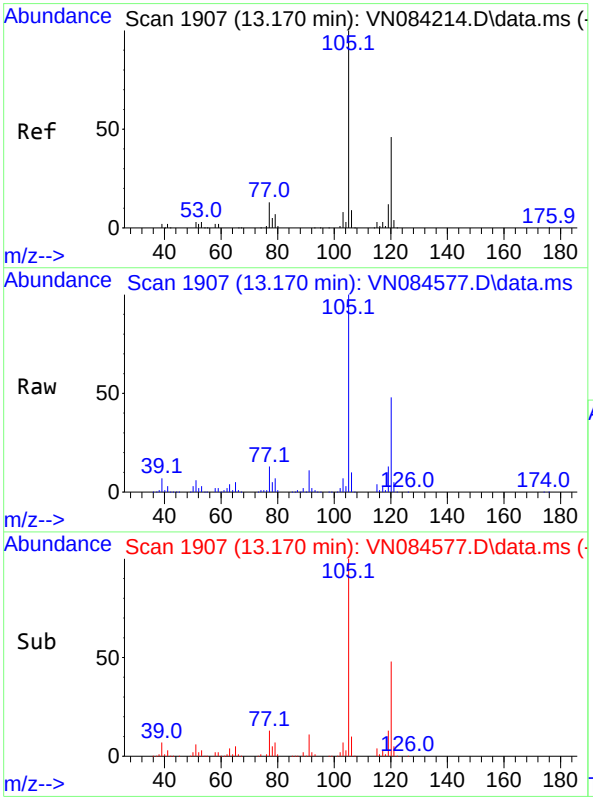
#79
2-Chlorotoluene
Concen: 47.930 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion: 91 Resp: 367294

Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1

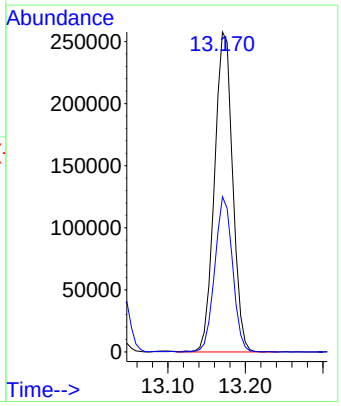


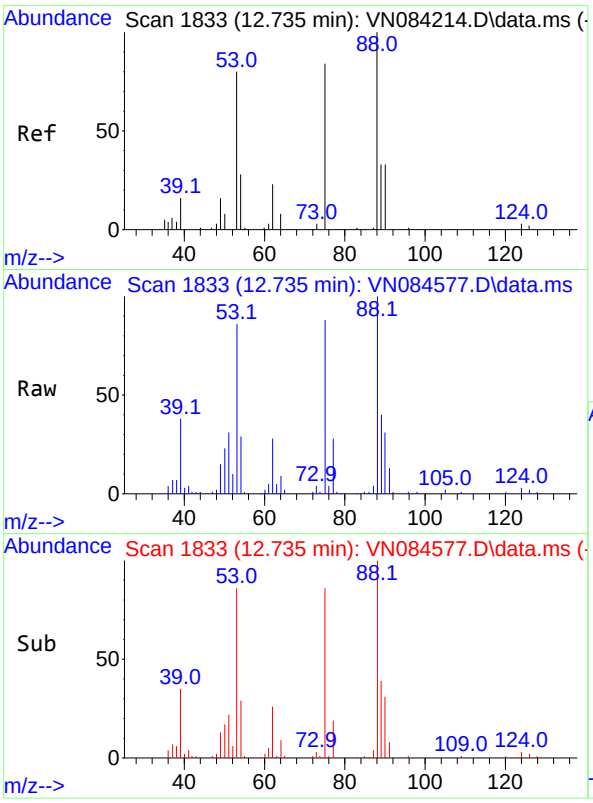


#80
1,3,5-Trimethylbenzene
Concen: 50.714 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 420675

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.7	71.1



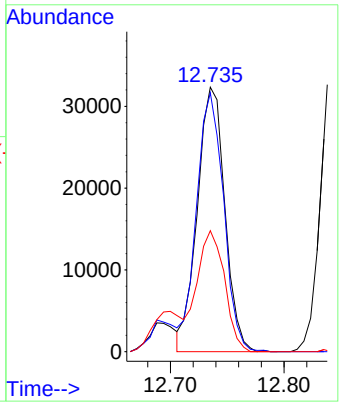


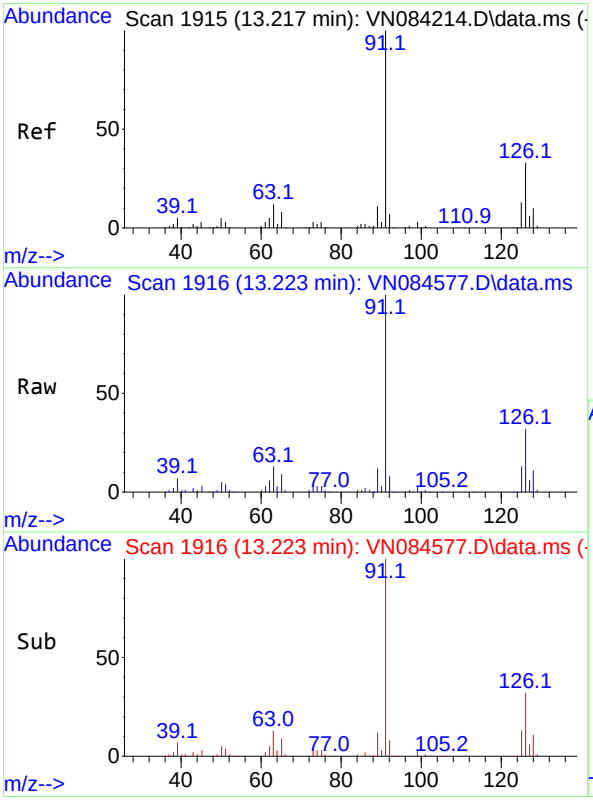
#81
trans-1,4-Dichloro-2-butene
Concen: 45.300 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

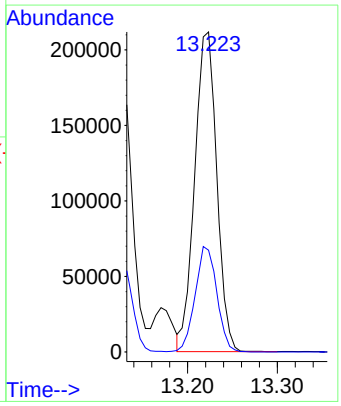


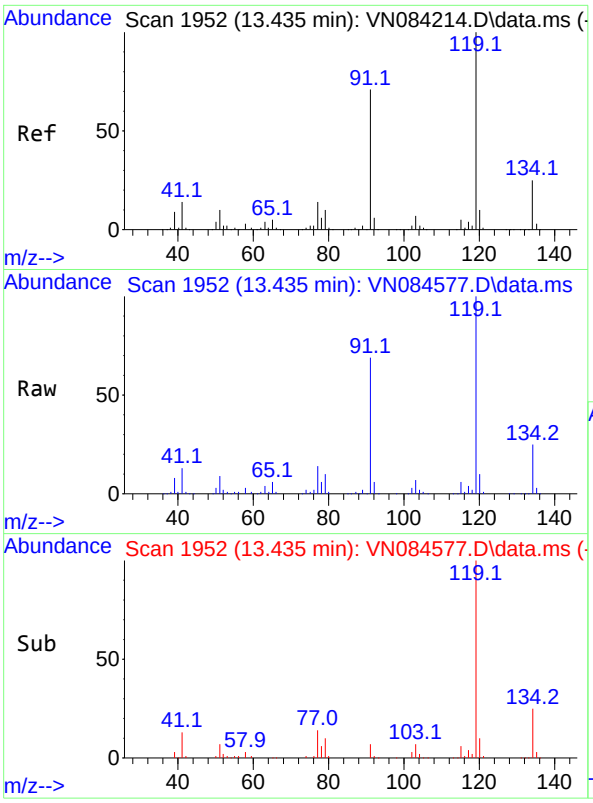


#82
4-Chlorotoluene
Concen: 44.837 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion: 91 Resp: 361596

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1



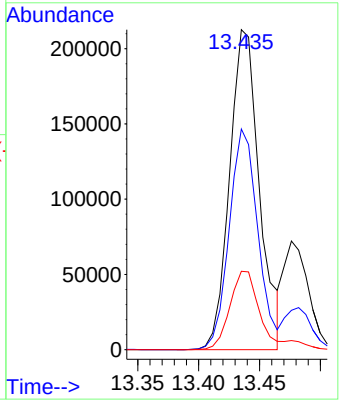


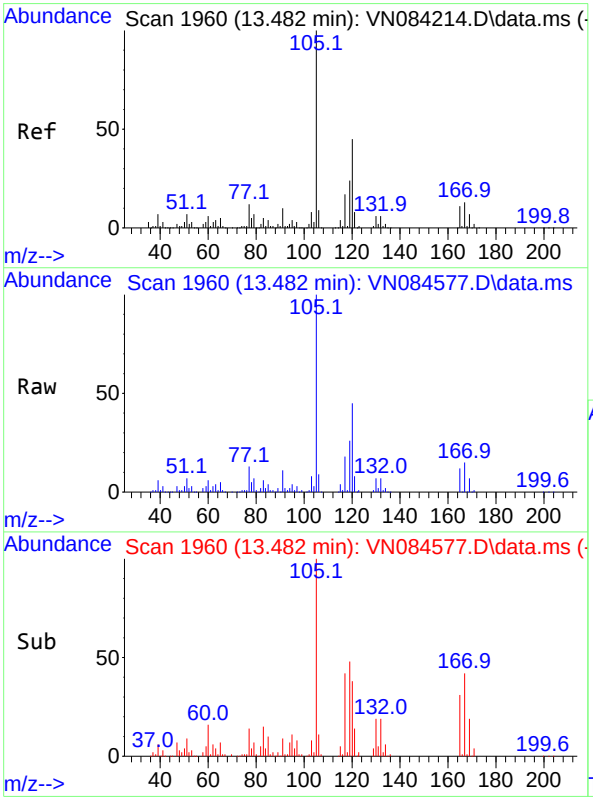
#83
tert-Butylbenzene
Concen: 52.701 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

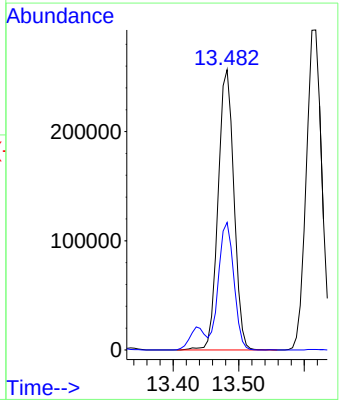


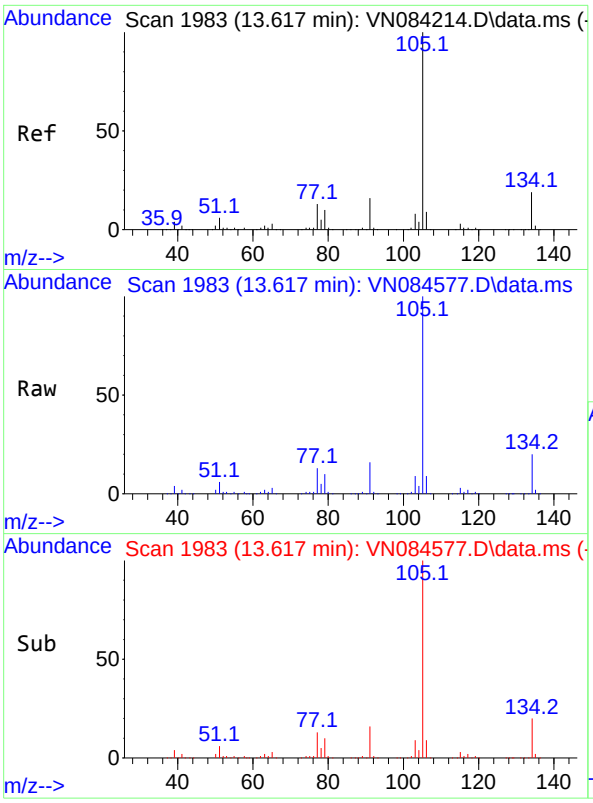


#84
1,2,4-Trimethylbenzene
Concen: 50.053 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:105 Resp: 428517

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



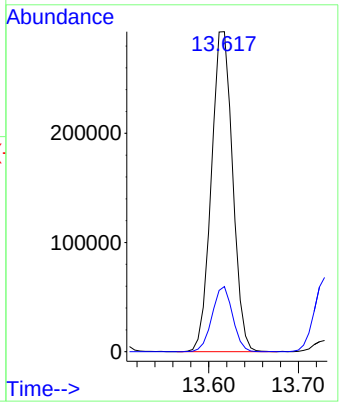


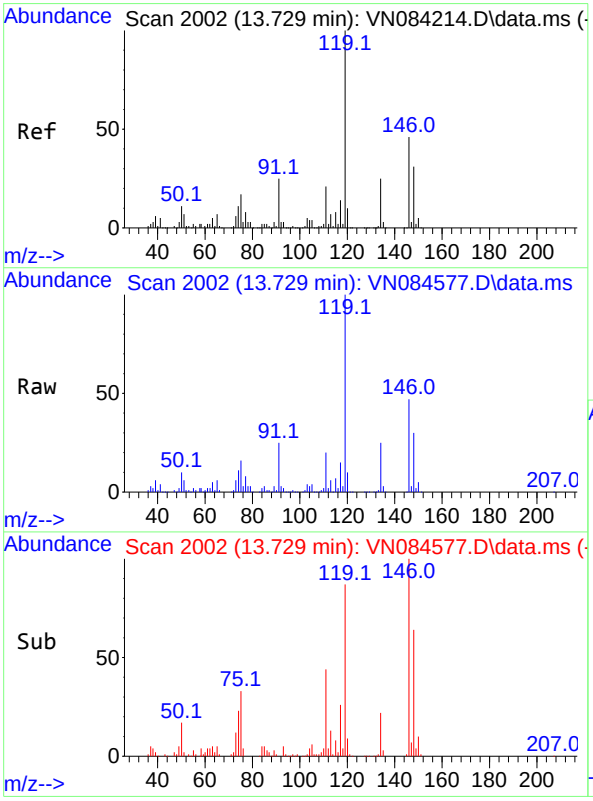
#85
sec-Butylbenzene
Concen: 49.829 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Tgt Ion:105 Resp: 483212

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

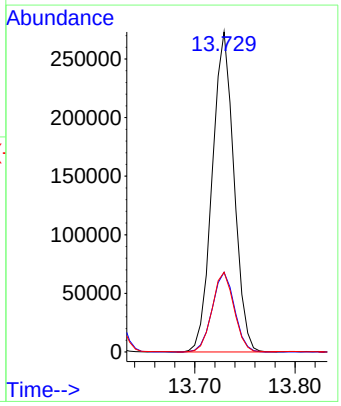


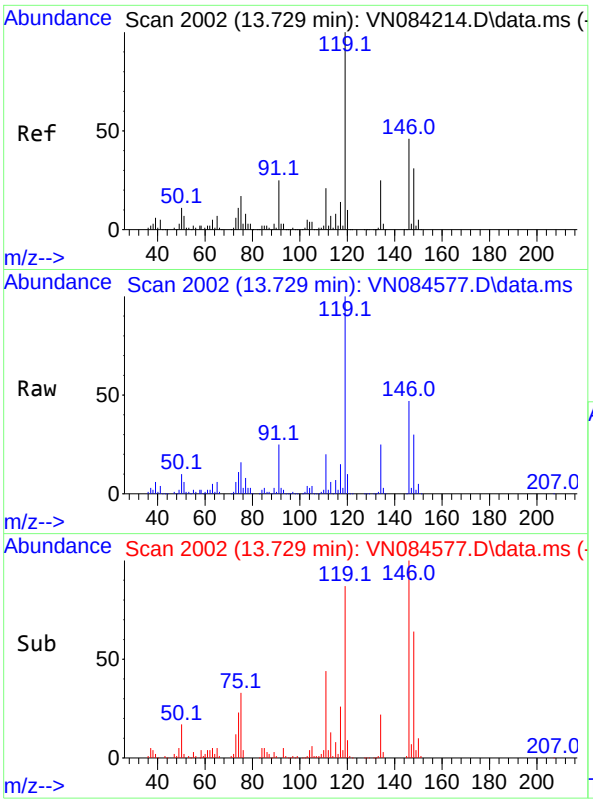


#86
p-Isopropyltoluene
Concen: 51.568 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



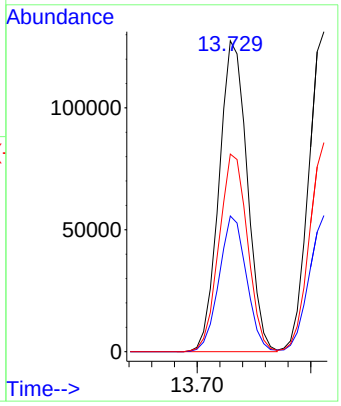


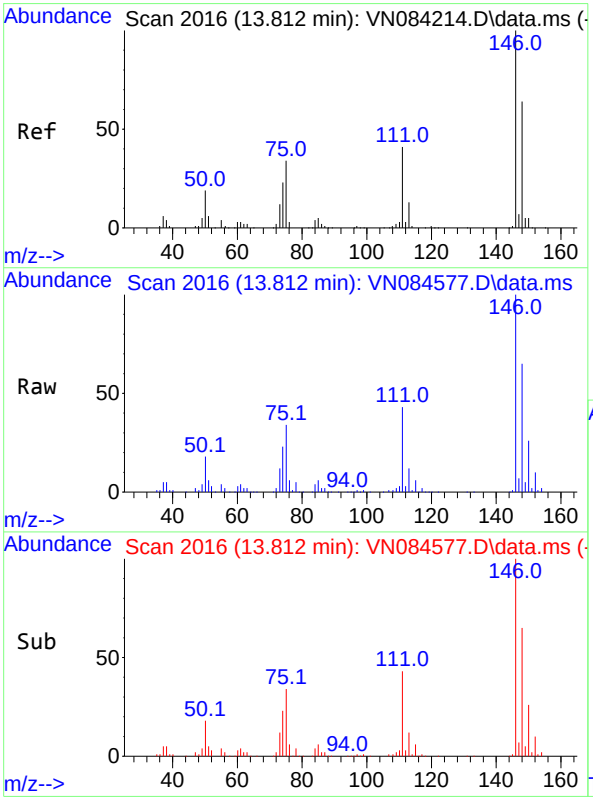
#87
1,3-Dichlorobenzene
Concen: 41.852 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

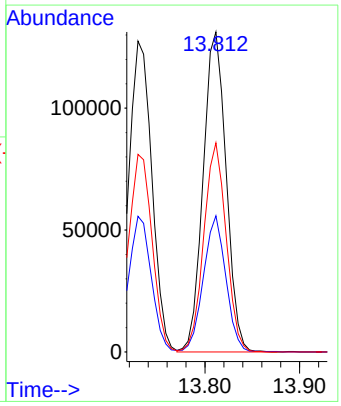


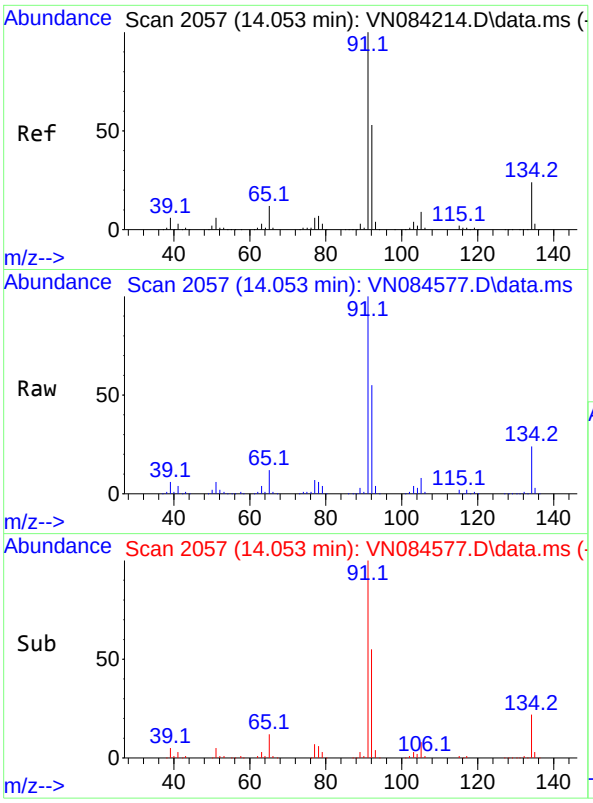


#88
1,4-Dichlorobenzene
Concen: 45.904 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



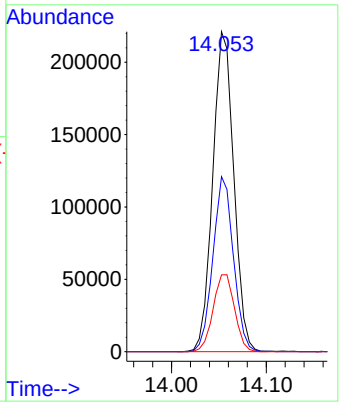


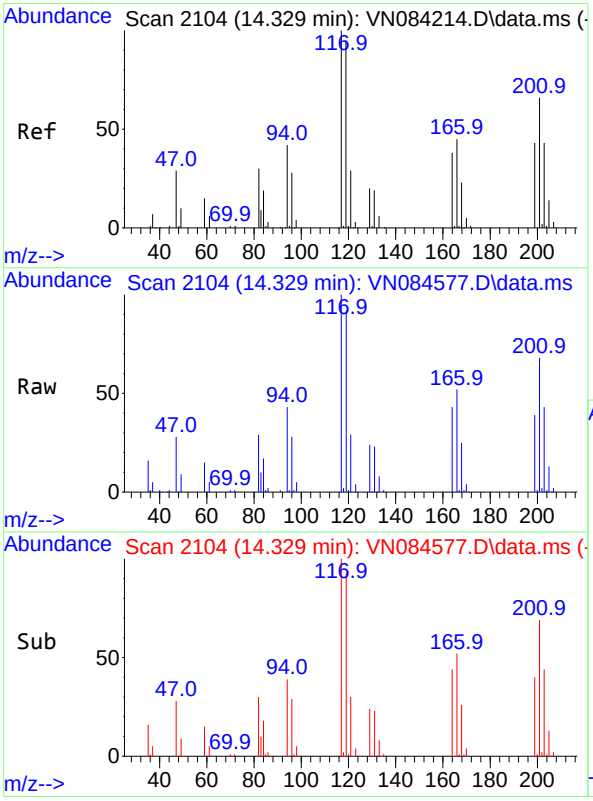
#89
n-Butylbenzene
Concen: 45.941 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

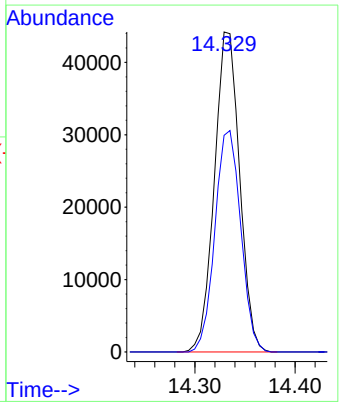


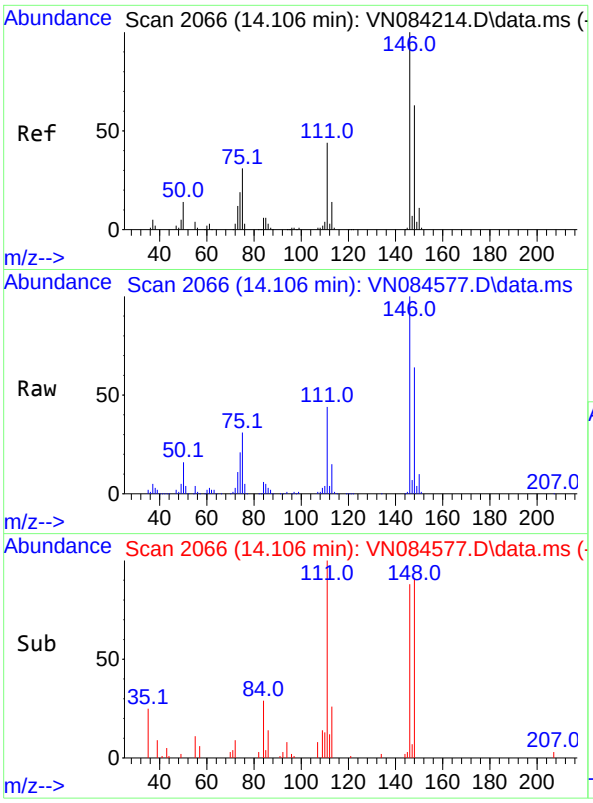


#90
Hexachloroethane
Concen: 43.597 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

Tgt Ion:117 Resp: 77324

Ion	Ratio	Lower	Upper
117	100		
201	70.8	34.4	103.2



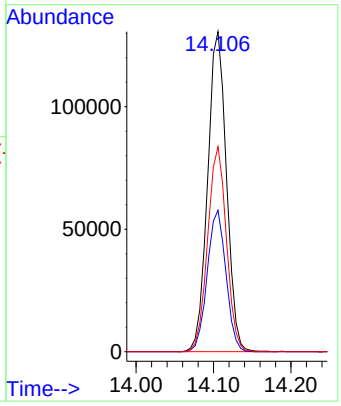


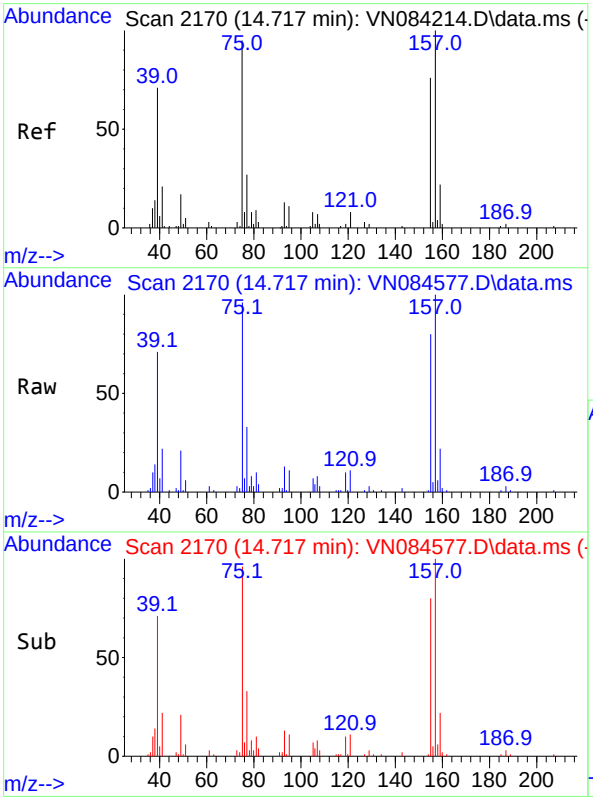
#91
1,2-Dichlorobenzene
Concen: 43.765 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

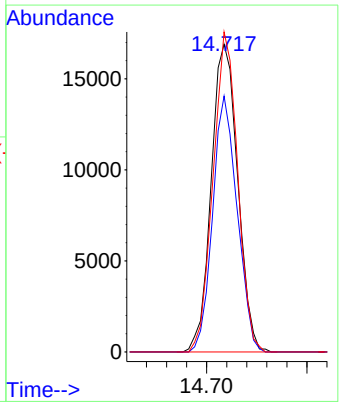


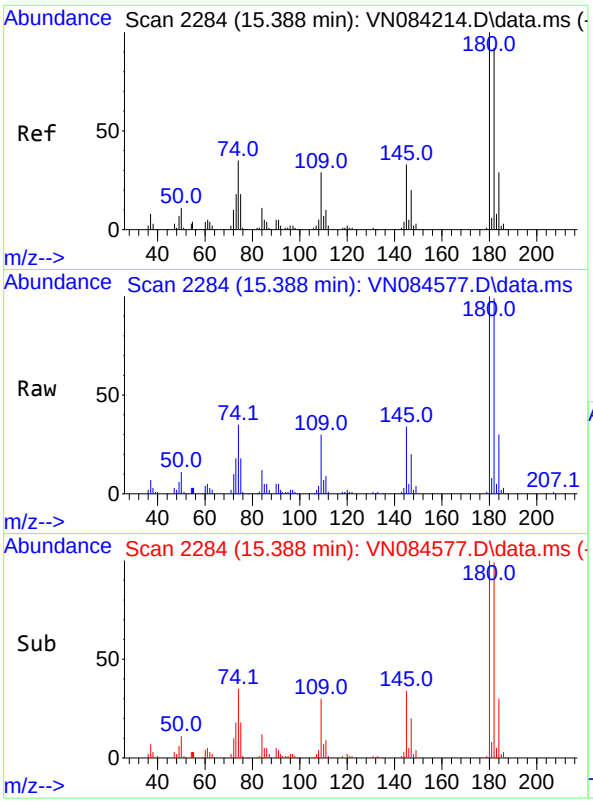


#92
1,2-Dibromo-3-Chloropropane
Concen: 45.651 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



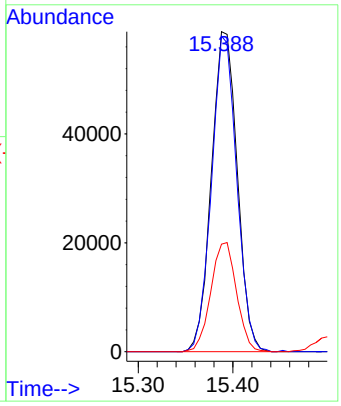


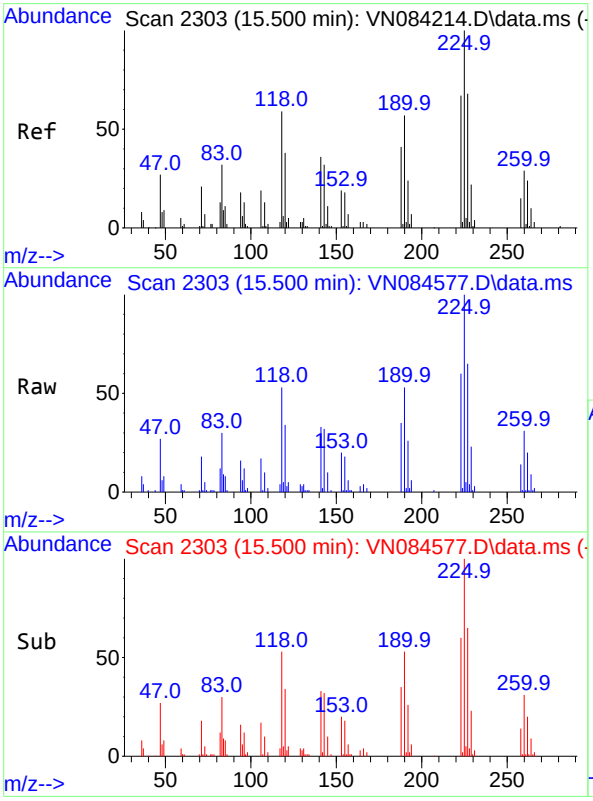
#93
1,2,4-Trichlorobenzene
Concen: 40.290 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

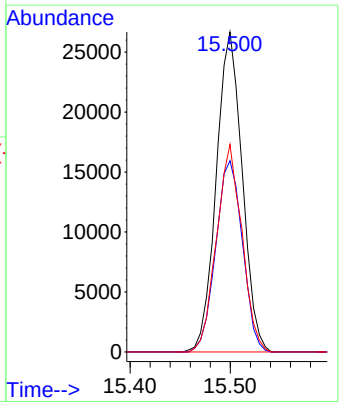


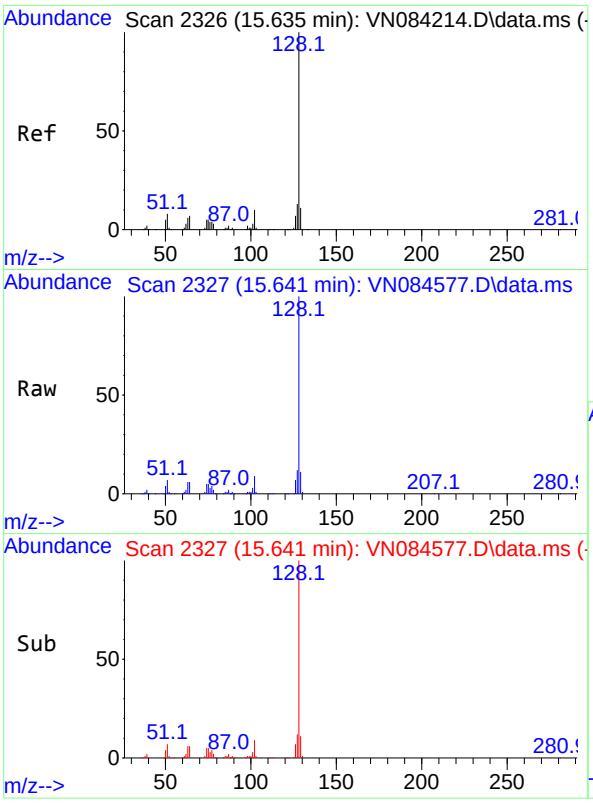


#94
Hexachlorobutadiene
Concen: 39.544 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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



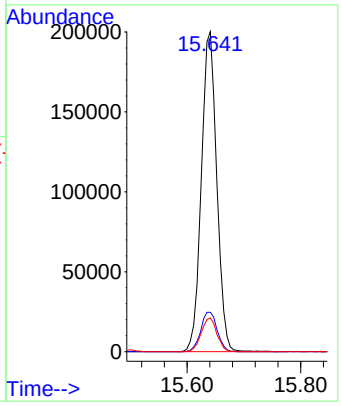


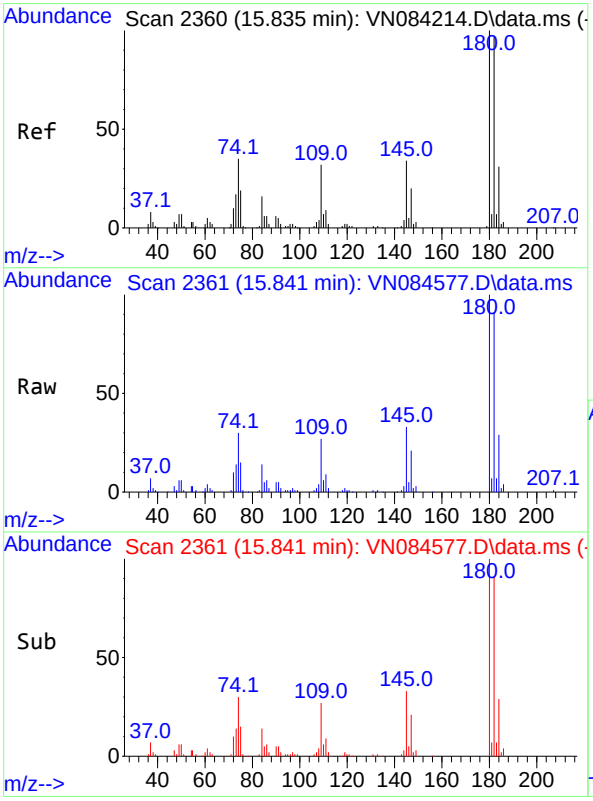
#95
Naphthalene
Concen: 45.408 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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

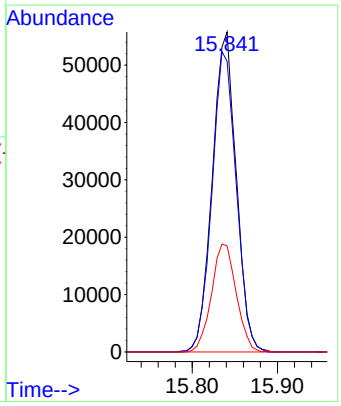




#96
1,2,3-Trichlorobenzene
Concen: 40.595 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084577.D
Acq: 30 Oct 2024 15:06

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\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	184180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118600	44.583	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.160%		
35) Dibromofluoromethane	8.159	113	97295	47.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.980%		
50) Toluene-d8	10.565	98	355060	47.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.080%		
62) 4-Bromofluorobenzene	12.847	95	135136	48.418	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	99144	46.826	ug/l	91
3) Chloromethane	2.359	50	107183	42.778	ug/l	98
4) Vinyl Chloride	2.512	62	104274	45.789	ug/l	97
5) Bromomethane	2.900	94	53126	44.031	ug/l	96
6) Chloroethane	3.065	64	66956	47.426	ug/l	95
7) Trichlorofluoromethane	3.465	101	173945	46.369	ug/l	97
8) Diethyl Ether	3.953	74	62657	47.349	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101057	47.675	ug/l	99
10) Methyl Iodide	4.577	142	130086	45.919	ug/l	99
11) Tert butyl alcohol	5.536	59	73446	209.166	ug/l	99
12) 1,1-Dichloroethene	4.324	96	92527	44.115	ug/l	97
13) Acrolein	4.171	56	93401	266.751	ug/l	98
14) Allyl chloride	5.012	41	159256	46.819	ug/l	92
15) Acrylonitrile	5.718	53	245055	241.071	ug/l	99
16) Acetone	4.424	43	188254	244.929	ug/l	93
17) Carbon Disulfide	4.700	76	272518	42.191	ug/l	96
18) Methyl Acetate	5.018	43	127182	44.902	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	316868	49.289	ug/l	99
20) Methylene Chloride	5.265	84	110189	47.096	ug/l	88
21) trans-1,2-Dichloroethene	5.777	96	99799	46.339	ug/l	100
22) Diisopropyl ether	6.665	45	334786	49.533	ug/l	98
23) Vinyl Acetate	6.600	43	1167096	250.398	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192812	47.516	ug/l	96
25) 2-Butanone	7.482	43	300076	241.790	ug/l	97
26) 2,2-Dichloropropane	7.488	77	171112	48.449	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	120101	47.758	ug/l	96
28) Bromochloromethane	7.812	49	90567	56.020	ug/l	96
29) Tetrahydrofuran	7.835	42	203801	247.530	ug/l	97
30) Chloroform	7.959	83	198531	48.069	ug/l	98
31) Cyclohexane	8.253	56	161647	44.014	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	178041	47.362	ug/l	98
36) 1,1-Dichloropropene	8.365	75	134844	47.960	ug/l	99
37) Ethyl Acetate	7.559	43	128683	50.445	ug/l	99
38) Carbon Tetrachloride	8.359	117	153837	48.951	ug/l	96
39) Methylcyclohexane	9.600	83	146769	51.312	ug/l	97
40) Benzene	8.600	78	436290	48.319	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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	73571	53.631	ug/l		97
42) 1,2-Dichloroethane	8.671	62	145026	49.594	ug/l		99
43) Isopropyl Acetate	8.688	43	218643	46.323	ug/l		98
44) Trichloroethene	9.347	130	97430	46.787	ug/l		94
45) 1,2-Dichloropropane	9.618	63	106599	50.327	ug/l		97
46) Dibromomethane	9.706	93	75062	50.221	ug/l		98
47) Bromodichloromethane	9.888	83	156271	49.601	ug/l		99
48) Methyl methacrylate	9.676	41	105317	53.047	ug/l		99
49) 1,4-Dioxane	9.694	88	37747	1072.921	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.447	43	643803	264.740	ug/l		99
52) Toluene	10.629	92	271189	51.353	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	154705	47.438	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	169654	49.152	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	99093	49.815	ug/l		95
56) Ethyl methacrylate	10.876	69	157649	54.790	ug/l		97
57) 1,3-Dichloropropane	11.165	76	172023	50.388	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	394841	293.256	ug/l		96
59) 2-Hexanone	11.194	43	473287	267.380	ug/l		97
60) Dibromochloromethane	11.359	129	120058	52.956	ug/l		99
61) 1,2-Dibromoethane	11.470	107	101240	49.699	ug/l		97
64) Tetrachloroethene	11.106	164	88769	49.207	ug/l		96
65) Chlorobenzene	11.888	112	281585	46.410	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	101931	48.299	ug/l		99
67) Ethyl Benzene	11.965	91	501636	49.531	ug/l		99
68) m/p-Xylenes	12.070	106	390896	101.948	ug/l		98
69) o-Xylene	12.400	106	184603	51.466	ug/l		99
70) Styrene	12.412	104	320232	51.179	ug/l		99
71) Bromoform	12.576	173	79820	50.263	ug/l	#	96
73) Isopropylbenzene	12.694	105	473125	49.514	ug/l		100
74) N-amyl acetate	12.494	43	198462	48.799	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	147150	46.136	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	187445	68.770	ug/l		60
77) Bromobenzene	12.982	156	119190	46.399	ug/l		91
78) n-propylbenzene	13.035	91	554194	49.493	ug/l		98
79) 2-Chlorotoluene	13.123	91	352750	48.213	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	402880	50.871	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	52289	45.512	ug/l		99
82) 4-Chlorotoluene	13.223	91	354928	46.096	ug/l		99
83) tert-Butylbenzene	13.441	119	340435	51.939	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	418264	51.171	ug/l		100
85) sec-Butylbenzene	13.617	105	462789	49.984	ug/l		100
86) p-Isopropyltoluene	13.729	119	394941	52.012	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	220467	43.977	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	221013	48.021	ug/l		99
89) n-Butylbenzene	14.059	91	330406	46.517	ug/l		99
90) Hexachloroethane	14.335	117	77615	45.835	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	220854	45.845	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28485	44.085	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	108547	41.167	ug/l		99
94) Hexachlorobutadiene	15.500	225	46422	40.091	ug/l		97
95) Naphthalene	15.641	128	347756	44.063	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	106880	41.757	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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

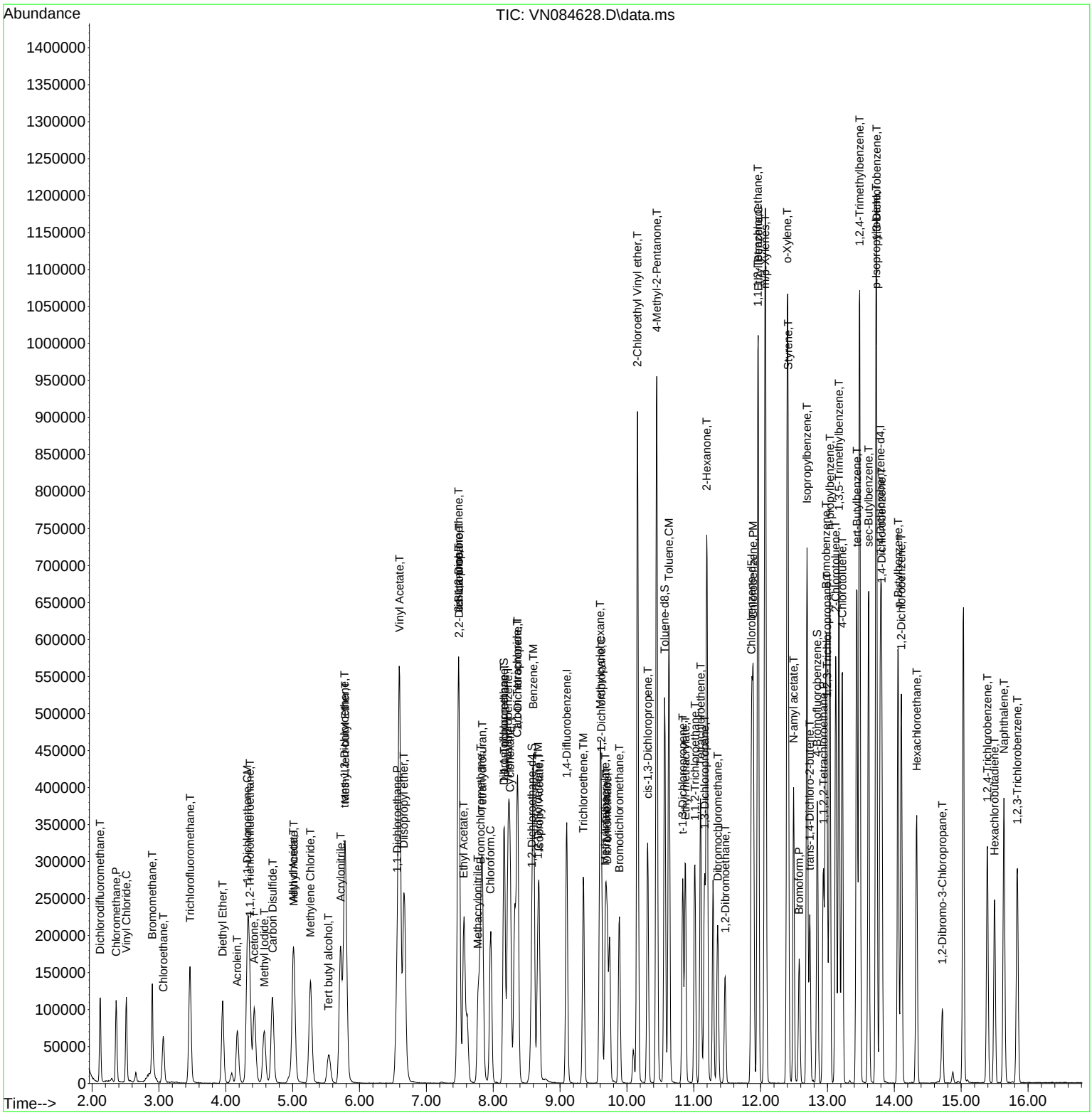
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

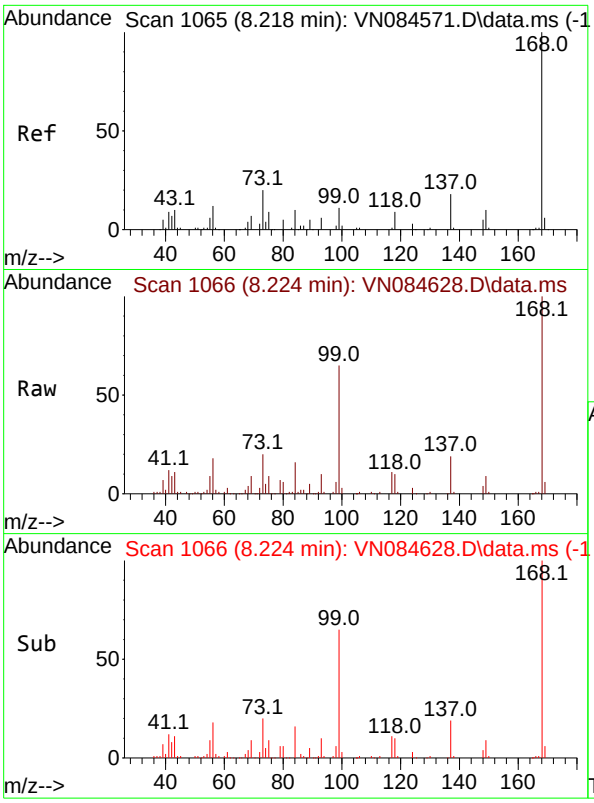
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084628.D
Acq On : 01 Nov 2024 10:22
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 04 04:22:04 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



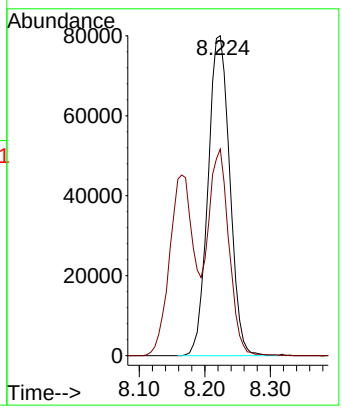


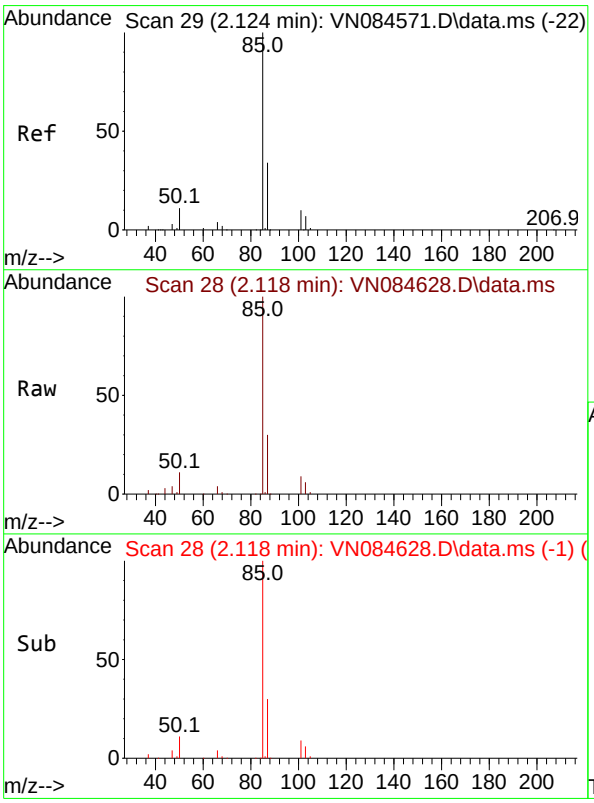
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 184180

Ion	Ratio	Lower	Upper
168	100		
99	64.3	54.2	81.2

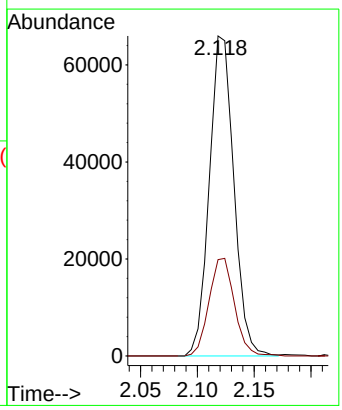


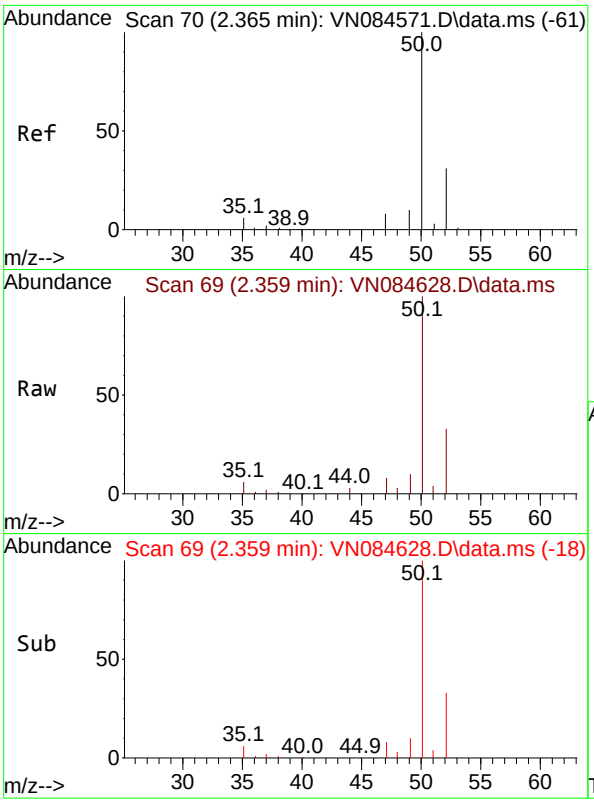


#2
Dichlorodifluoromethane
Concen: 46.826 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 85 Resp: 99144

Ion	Ratio	Lower	Upper
85	100		
87	30.1	17.6	52.9



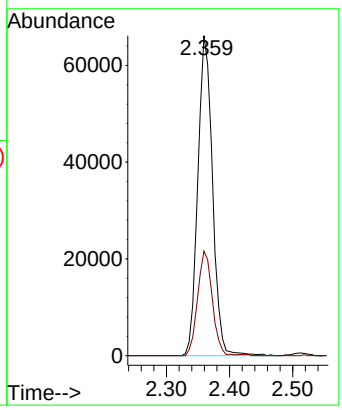


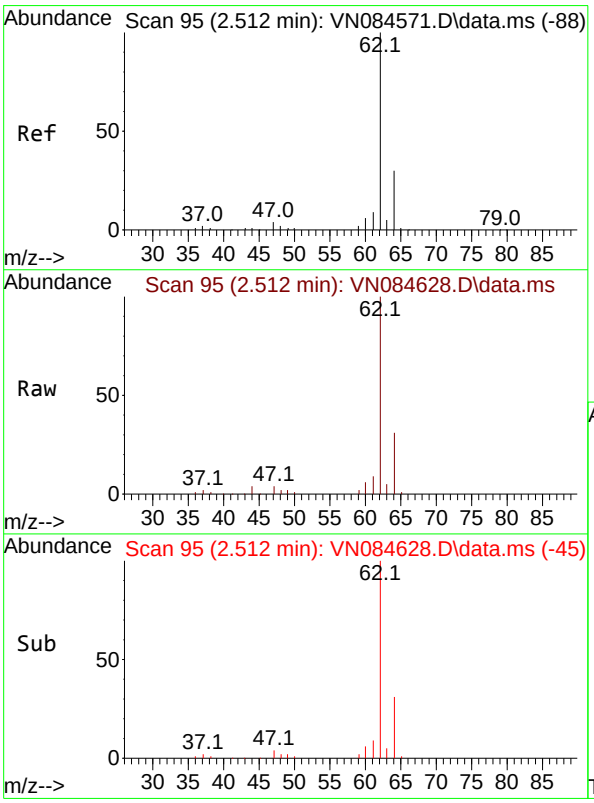
#3
Chloromethane
Concen: 42.778 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 107183

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.8	40.2

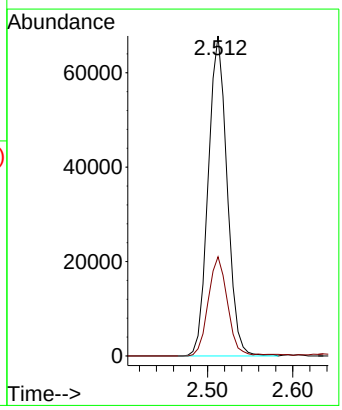


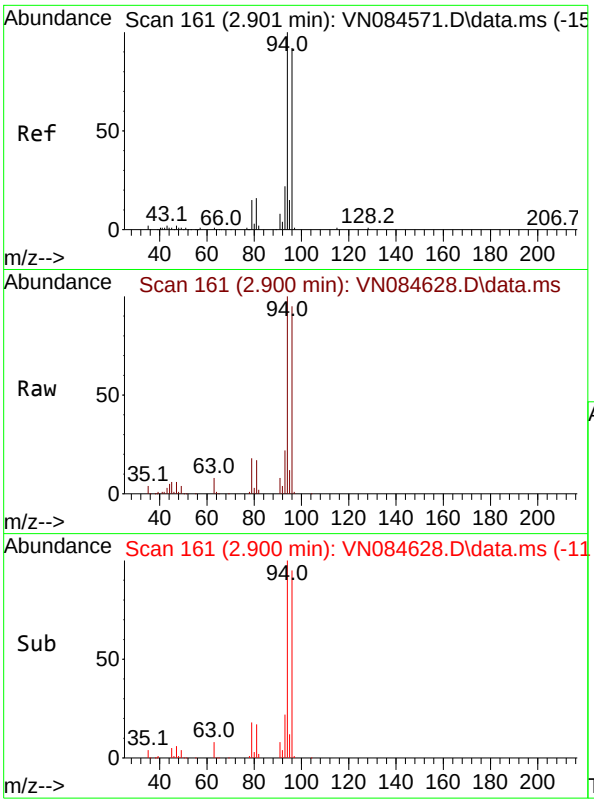


#4
Vinyl Chloride
Concen: 45.789 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 62 Resp: 104274

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4



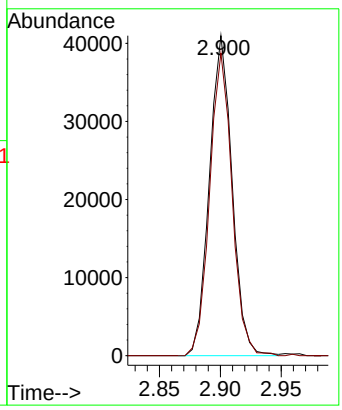


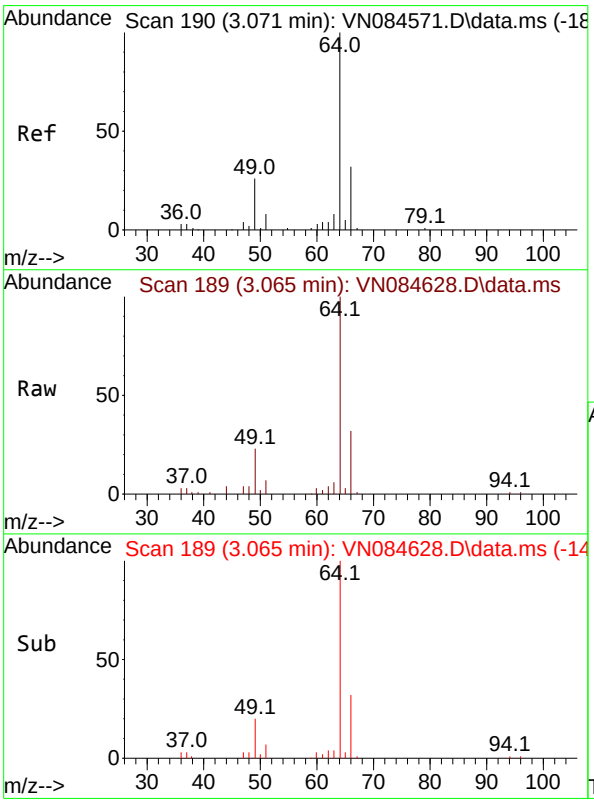
#5
Bromomethane
Concen: 44.031 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 53126

Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.9	109.3

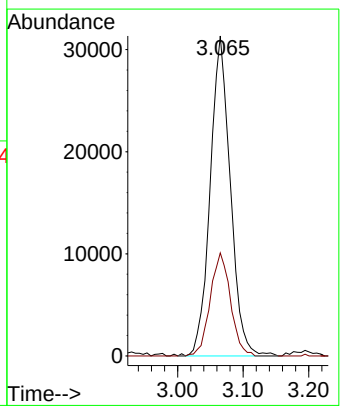


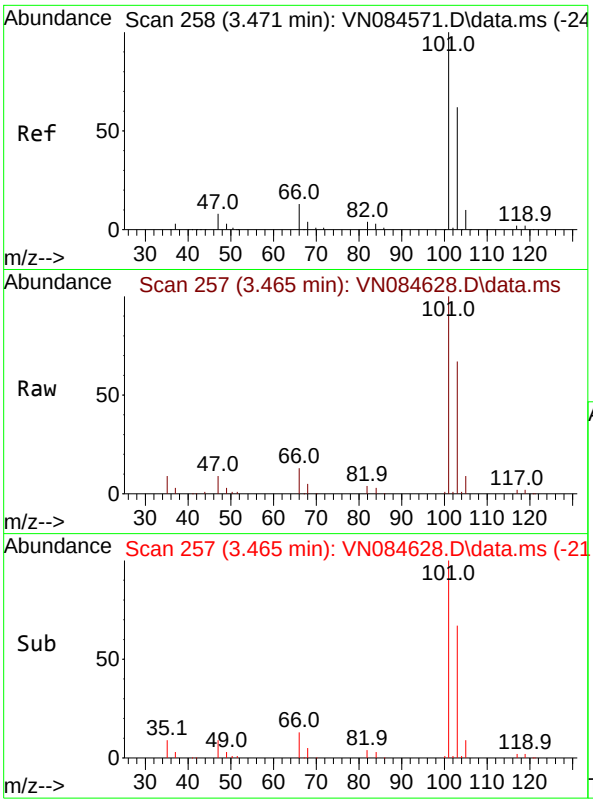


#6
Chloroethane
Concen: 47.426 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 64 Resp: 66956

Ion	Ratio	Lower	Upper
64	100		
66	32.2	23.5	35.3



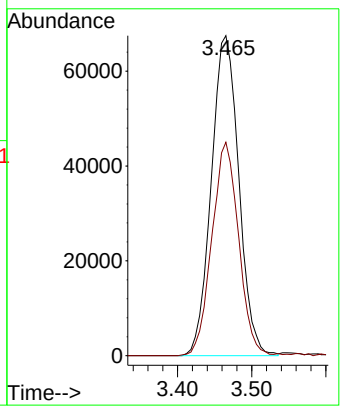


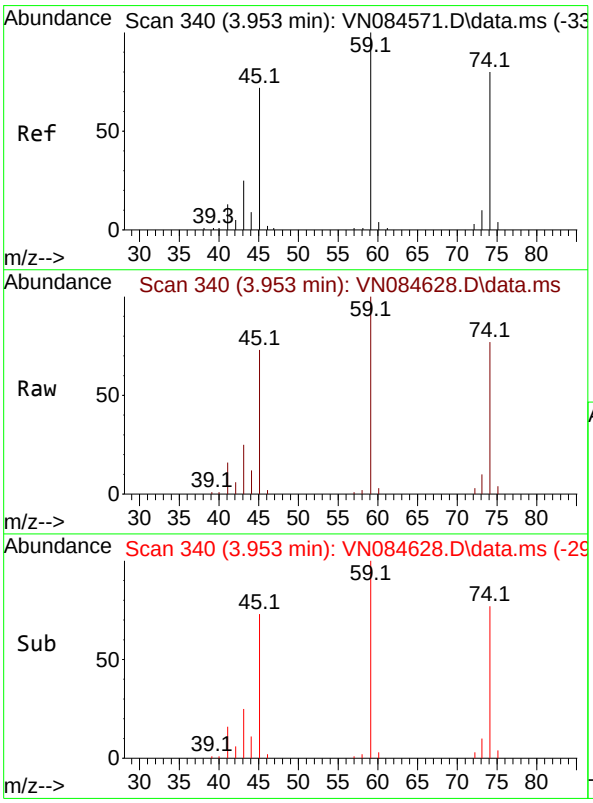
#7
Trichlorofluoromethane
Concen: 46.369 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 173945

Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.8	77.6

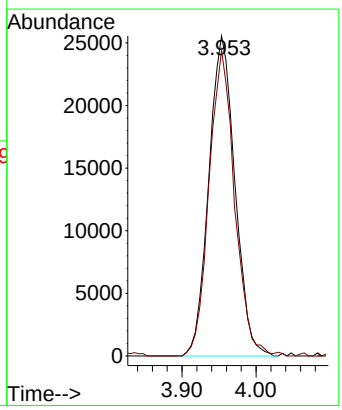


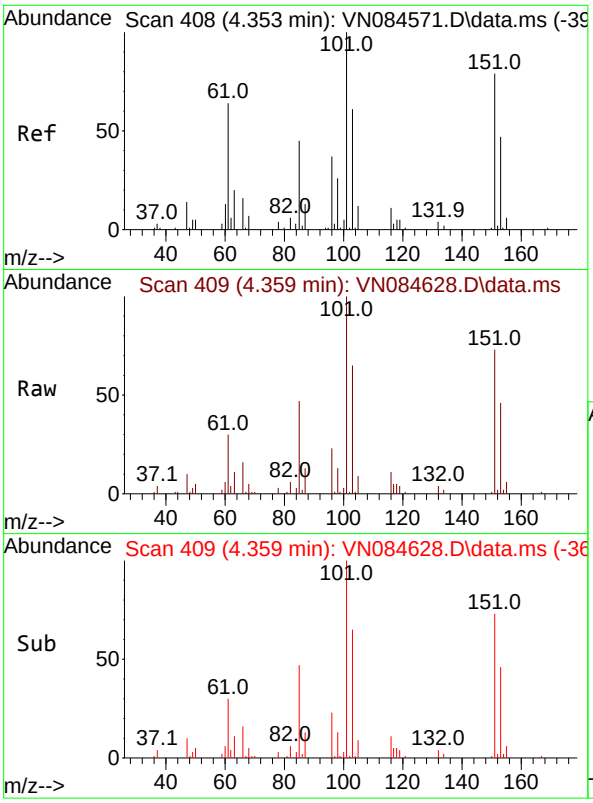


#8
Diethyl Ether
Concen: 47.349 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 74 Resp: 62657

Ion	Ratio	Lower	Upper
74	100		
45	93.3	47.7	143.1



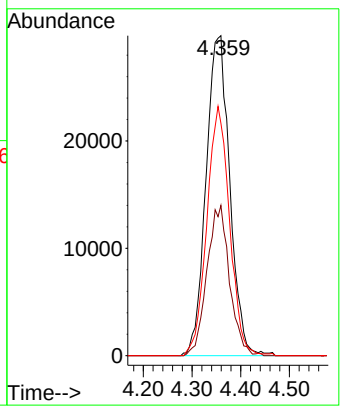


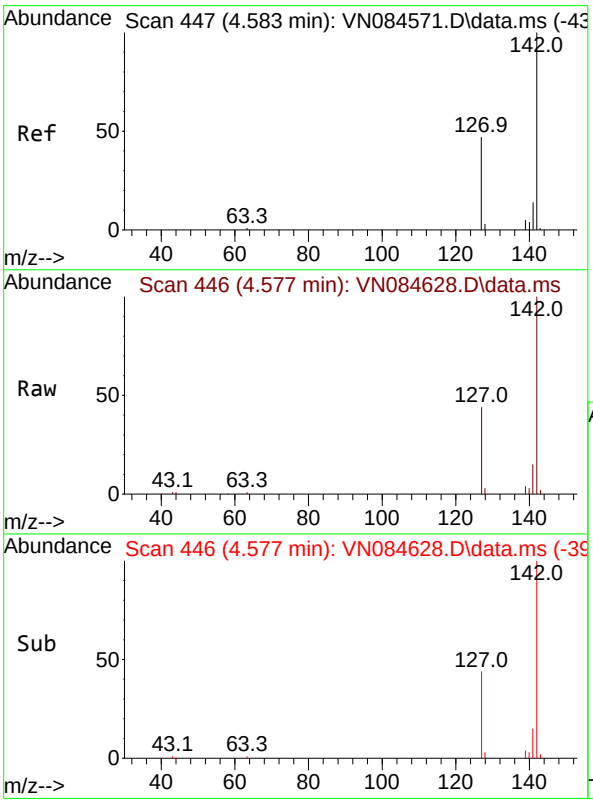
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.675 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 101057

Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.2	54.4
151	74.5	59.3	88.9

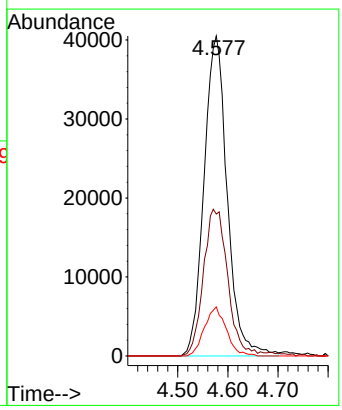


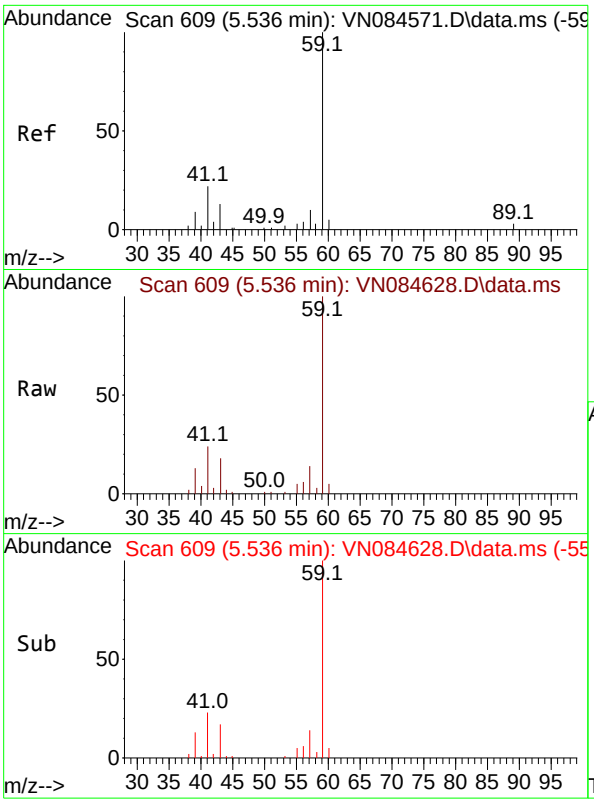


#10
Methyl Iodide
Concen: 45.919 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:142 Resp: 130086

Ion	Ratio	Lower	Upper
142	100		
127	44.4	35.3	52.9
141	15.4	11.0	16.6



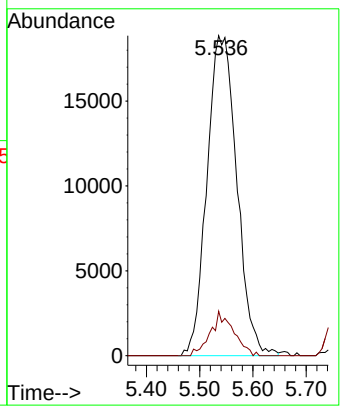


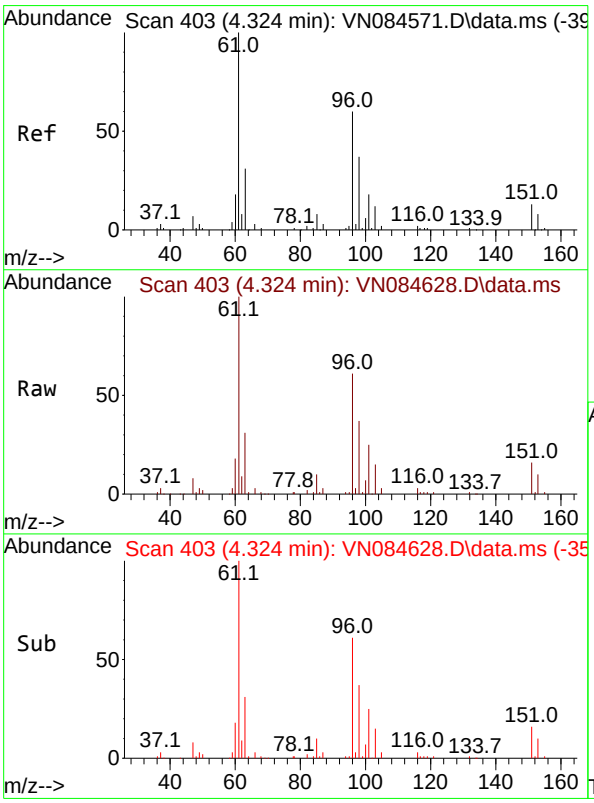
#11
Tert butyl alcohol
Concen: 209.166 ug/l
RT: 5.536 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 73446

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

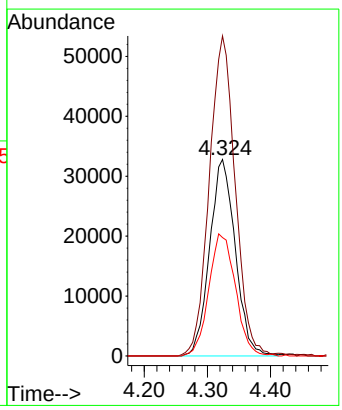


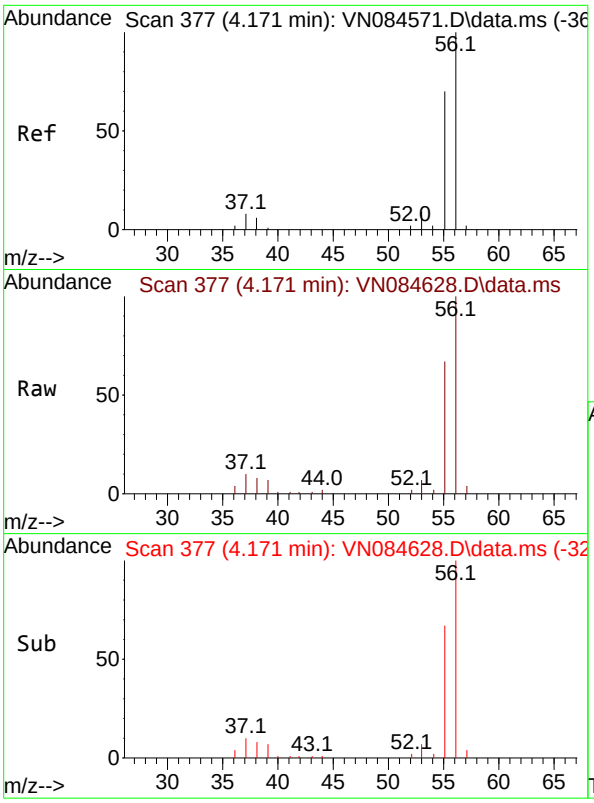


#12
1,1-Dichloroethene
Concen: 44.115 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 96 Resp: 92527

Ion	Ratio	Lower	Upper
96	100		
61	162.9	128.6	192.8
98	60.3	51.7	77.5



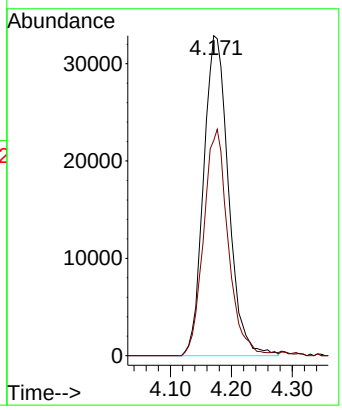


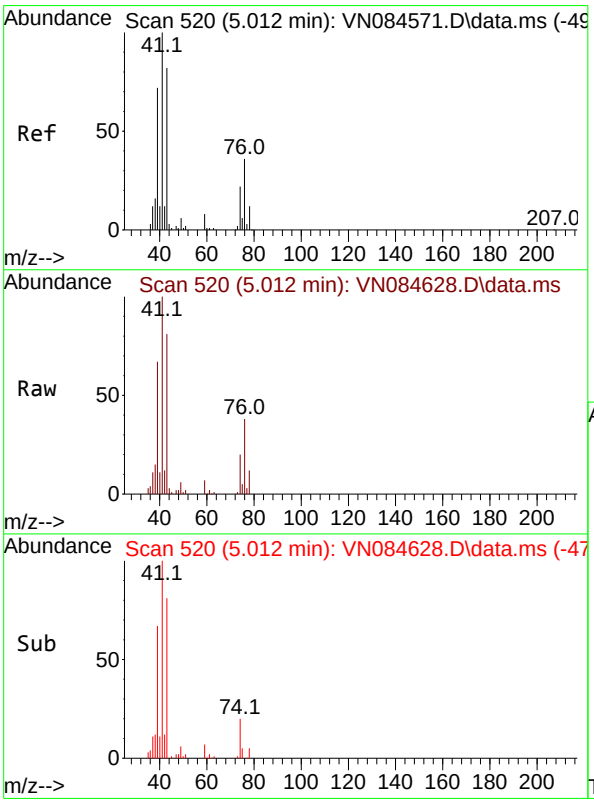
#13
Acrolein
Concen: 266.751 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 93401

Ion	Ratio	Lower	Upper
56	100		
55	69.5	57.2	85.8

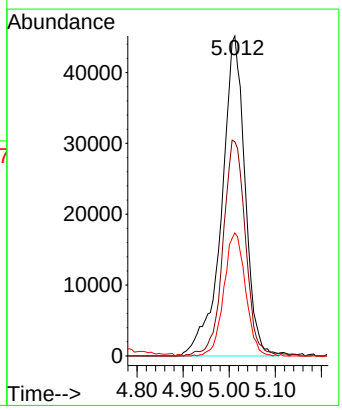


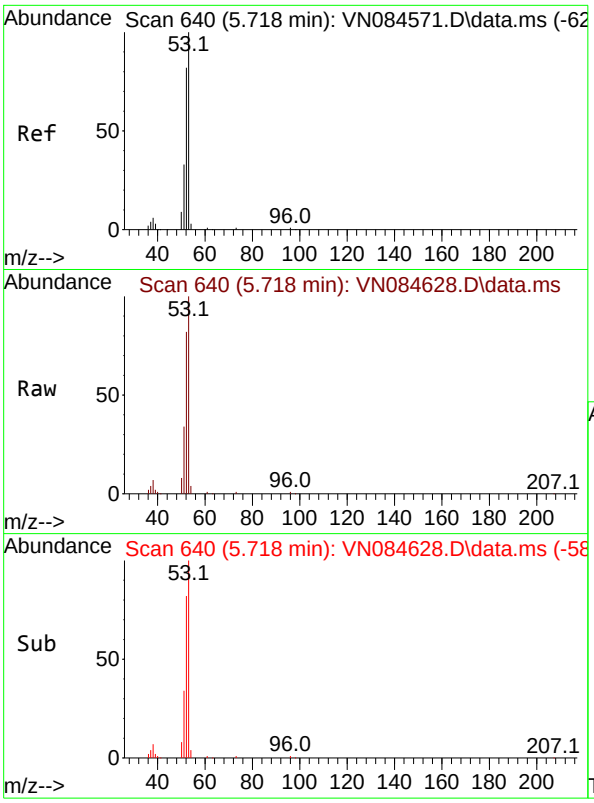


#14
Allyl chloride
Concen: 46.819 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 41 Resp: 159256

Ion	Ratio	Lower	Upper
41	100		
39	64.4	59.0	88.6
76	35.5	29.8	44.6



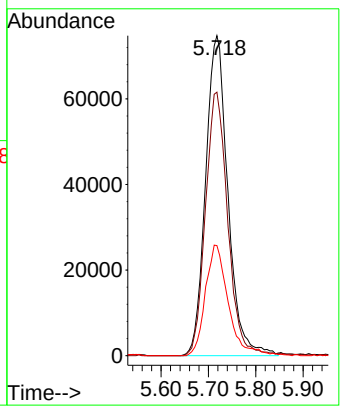


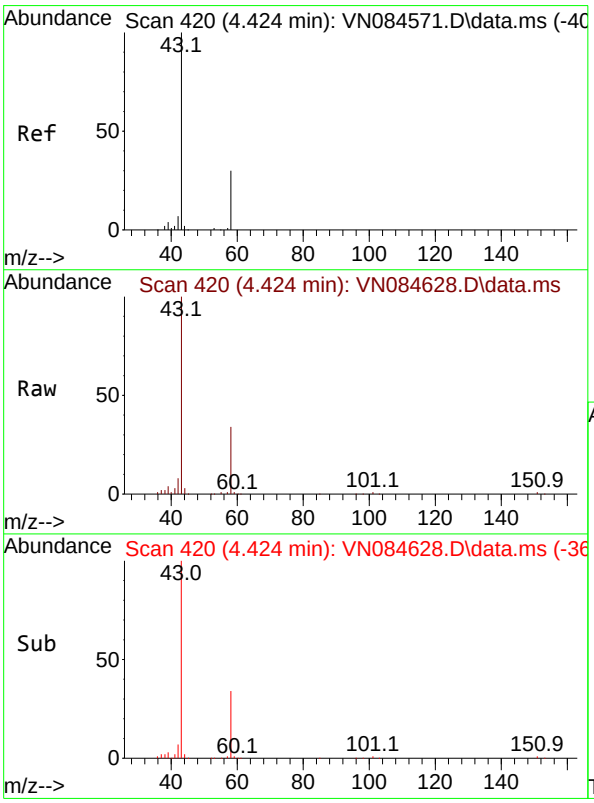
#15
Acrylonitrile
Concen: 241.071 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 245055

Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.4
51	35.5	28.8	43.2

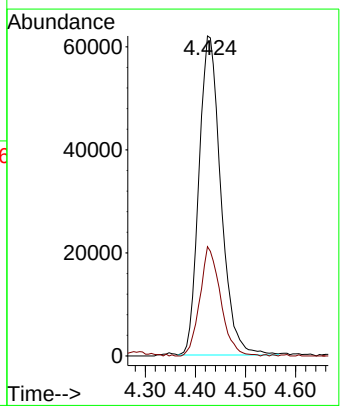


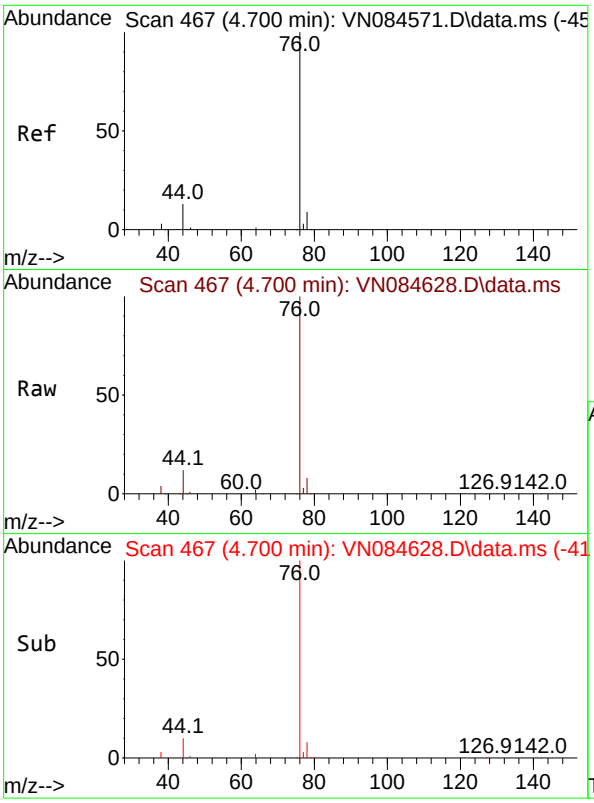


#16
Acetone
Concen: 244.929 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 188254

Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6



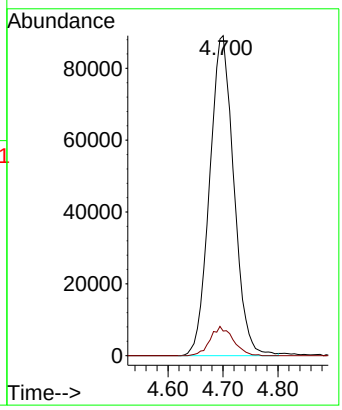


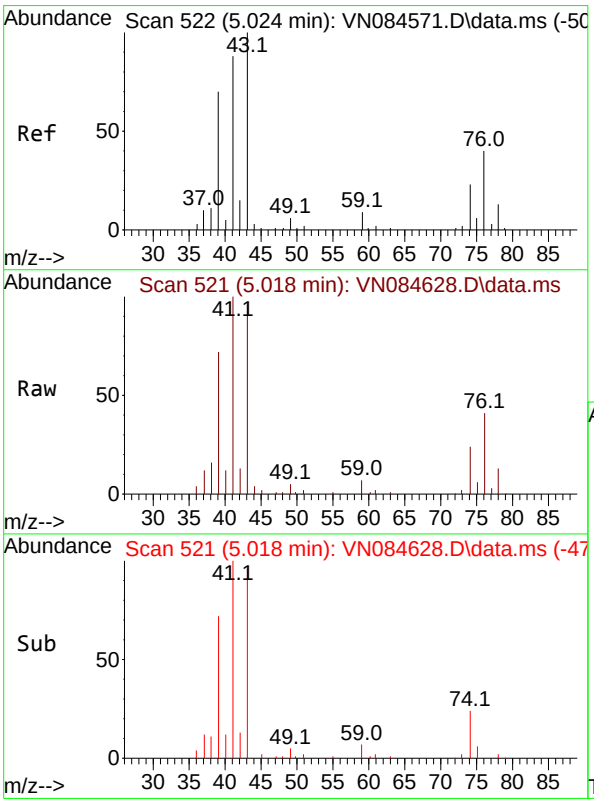
#17
Carbon Disulfide
Concen: 42.191 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 272518

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.3	10.9

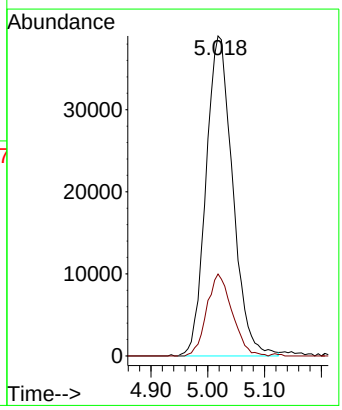


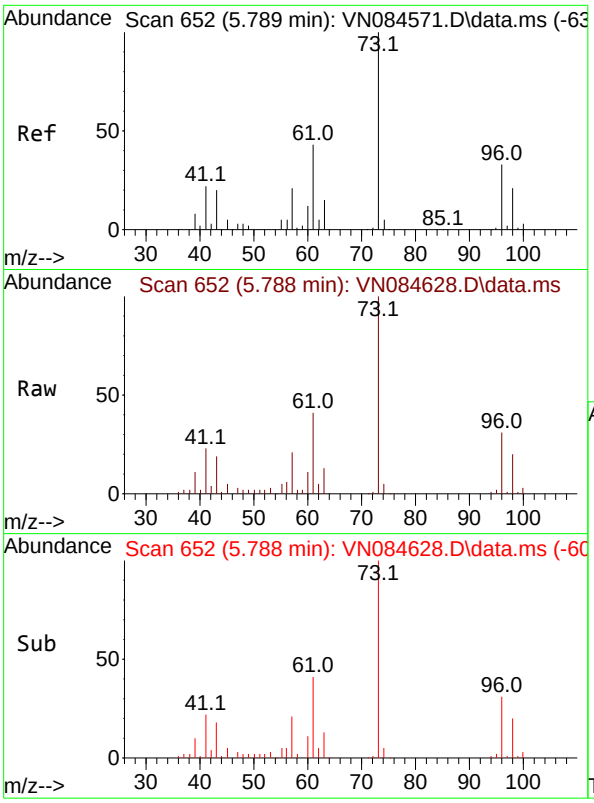


#18
Methyl Acetate
Concen: 44.902 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 127182

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



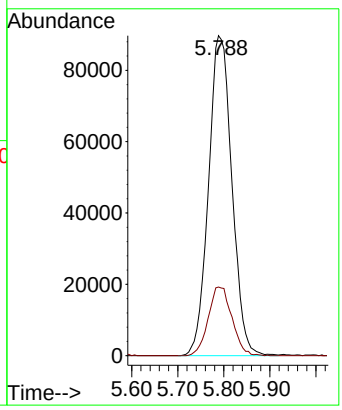


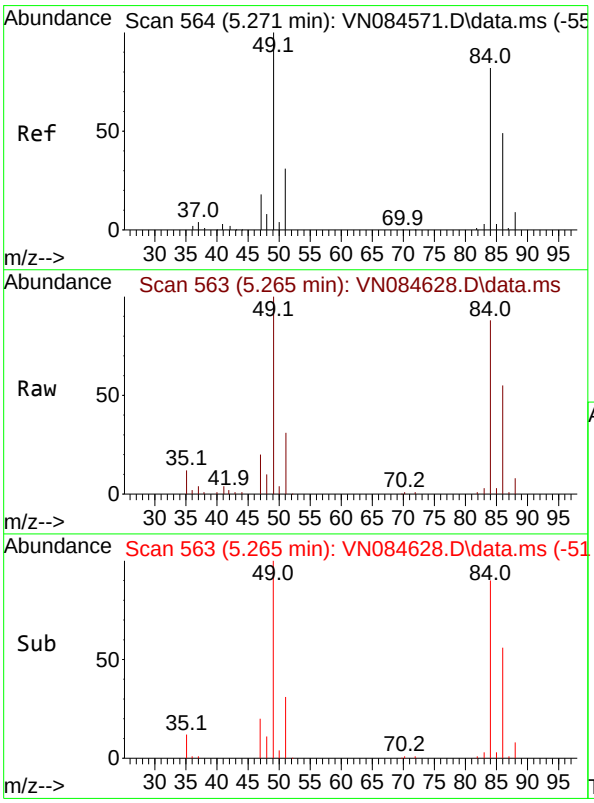
#19
Methyl tert-butyl Ether
Concen: 49.289 ug/l
RT: 5.788 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 316868

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.7	26.5

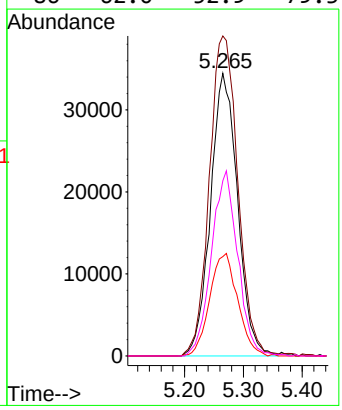


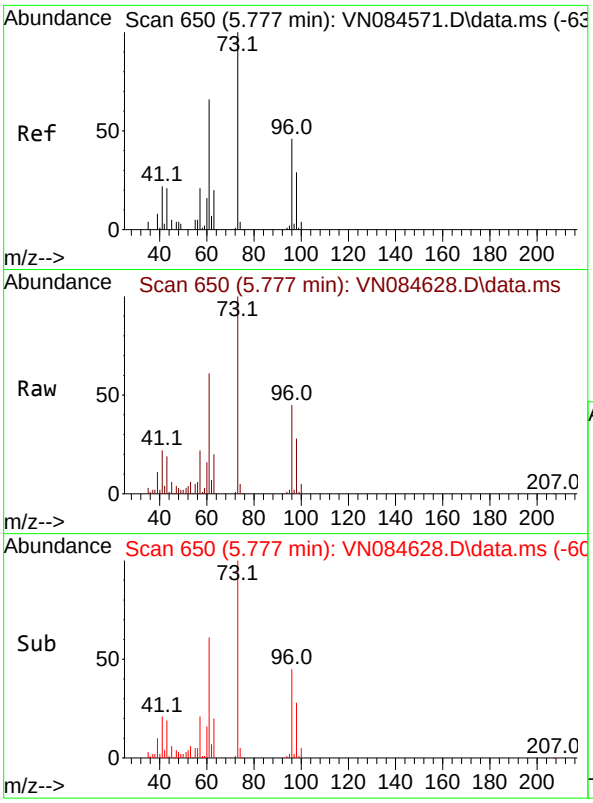


#20
Methylene Chloride
Concen: 47.096 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 84 Resp: 110189

Ion	Ratio	Lower	Upper
84	100		
49	113.2	107.2	160.8
51	35.2	31.8	47.8
86	62.0	52.9	79.3



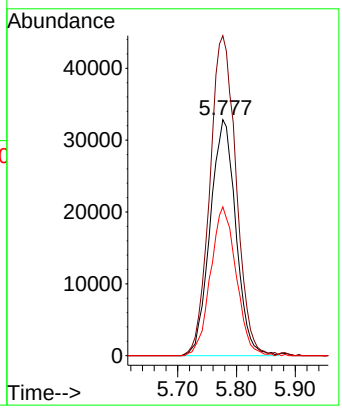


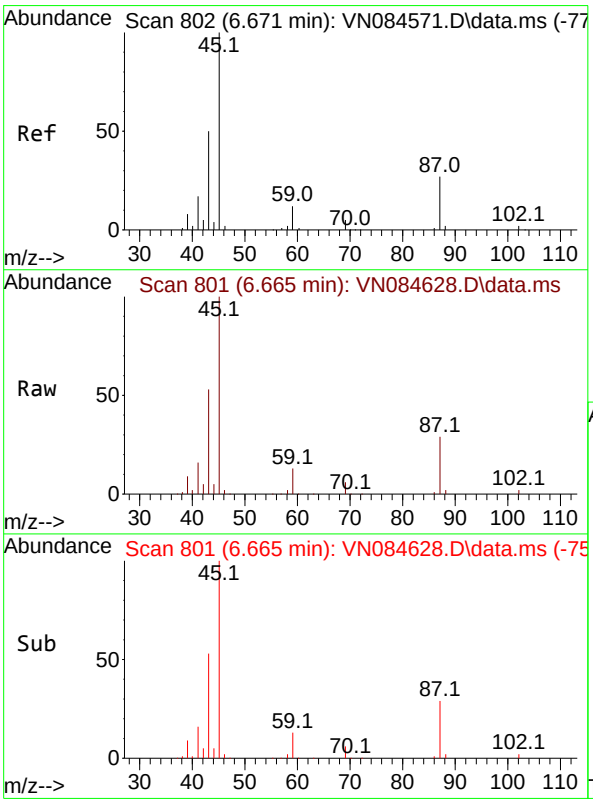
#21
trans-1,2-Dichloroethene
Concen: 46.339 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 99799

Ion	Ratio	Lower	Upper
96	100		
61	135.6	108.4	162.6
98	63.0	49.8	74.8

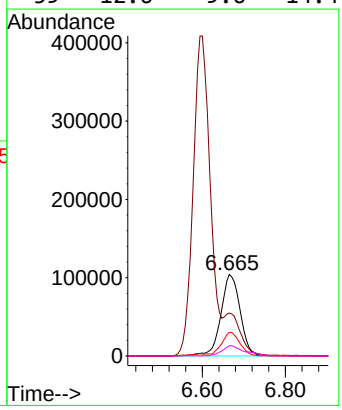


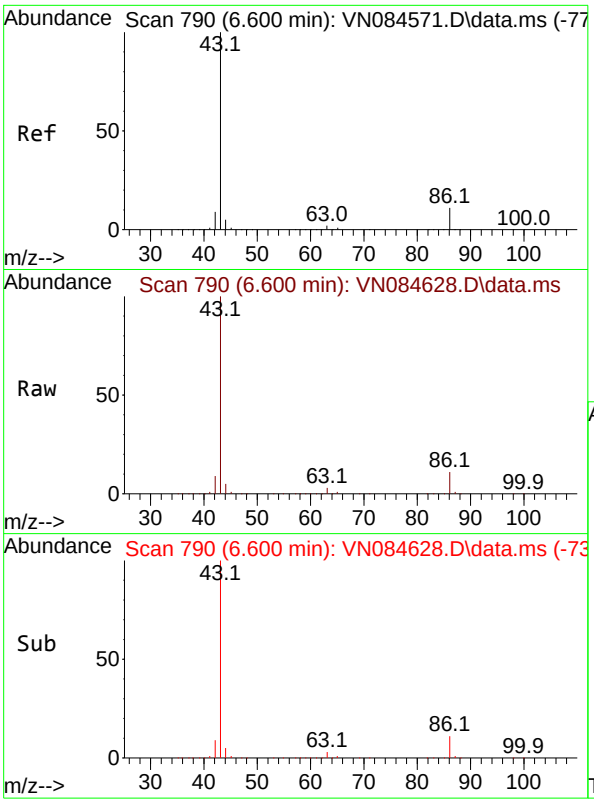


#22
Diisopropyl ether
Concen: 49.533 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 45 Resp: 334786

Ion	Ratio	Lower	Upper
45	100		
43	51.6	42.3	63.5
87	28.9	21.8	32.6
59	12.6	9.6	14.4



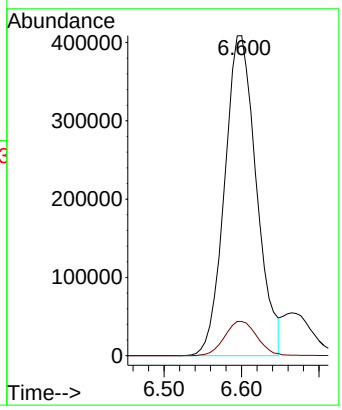


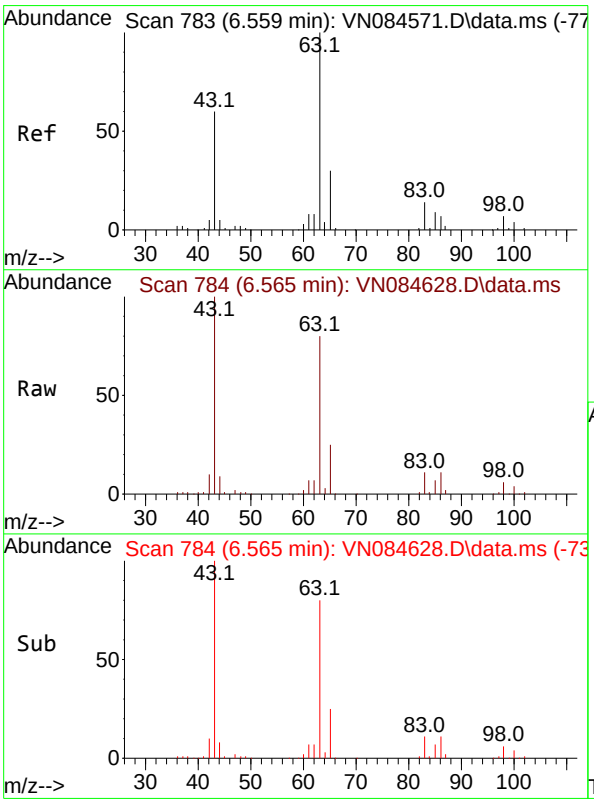
#23
Vinyl Acetate
Concen: 250.398 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1167096

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.6	12.8

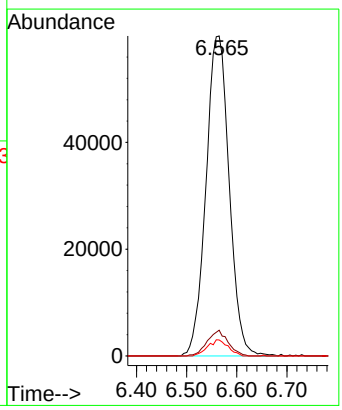


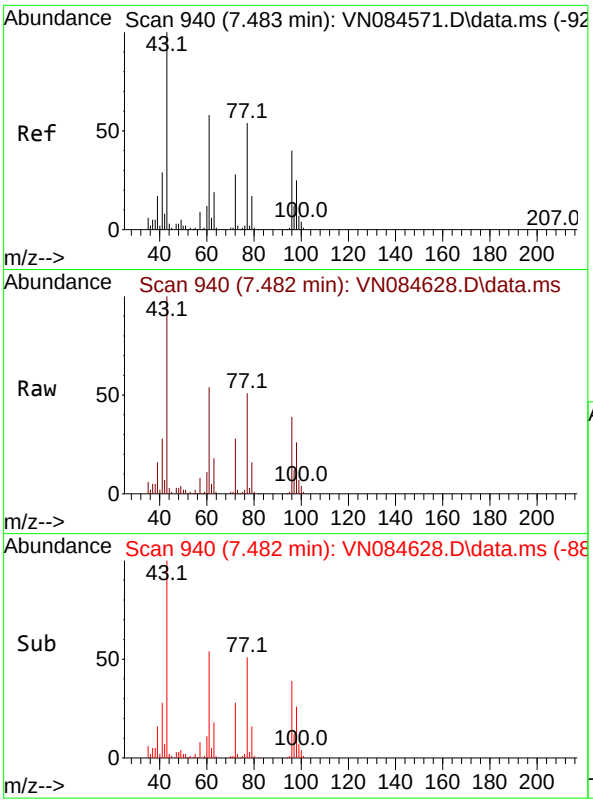


#24
1,1-Dichloroethane
Concen: 47.516 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 63 Resp: 192812

Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.4	10.2
100	5.0	2.0	5.8



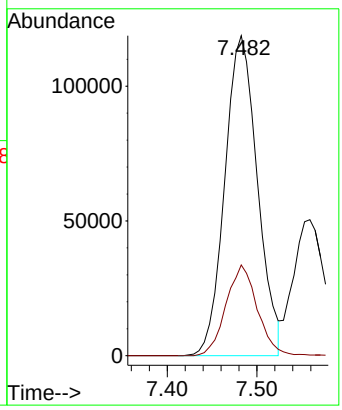


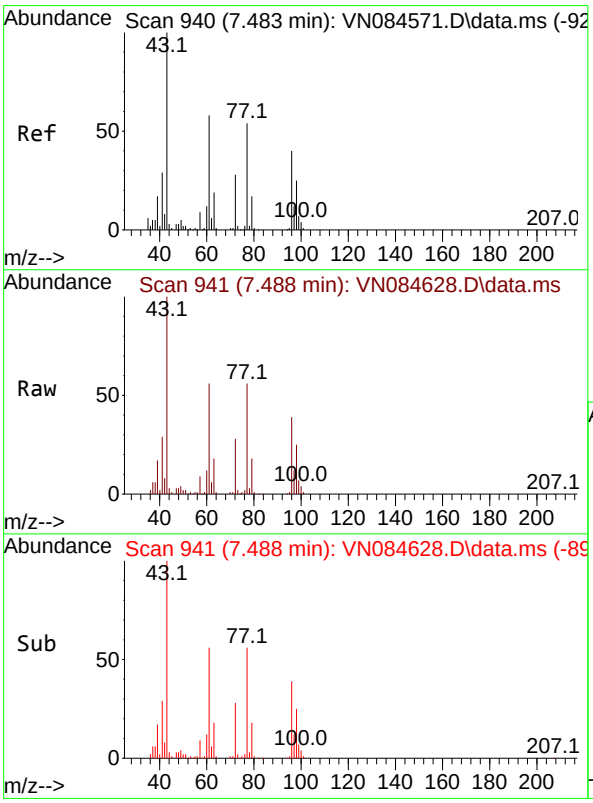
#25
2-Butanone
Concen: 241.790 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 300076

Ion	Ratio	Lower	Upper
43	100		
72	28.3	21.4	32.2

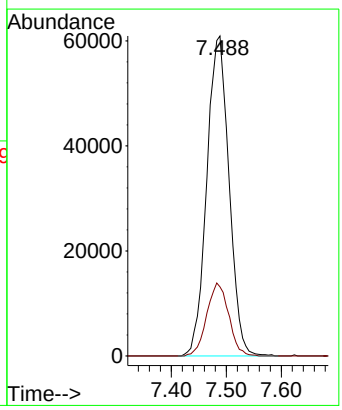


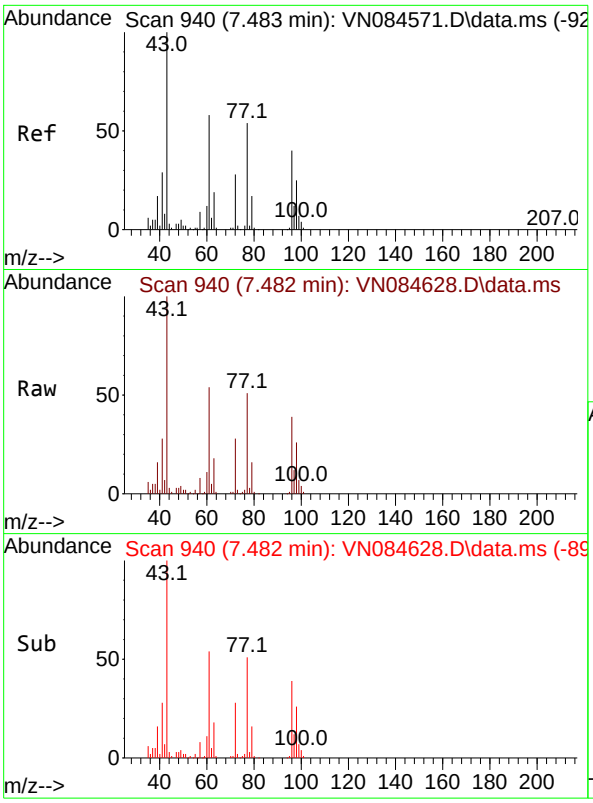


#26
2,2-Dichloropropane
Concen: 48.449 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 77 Resp: 171112

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3



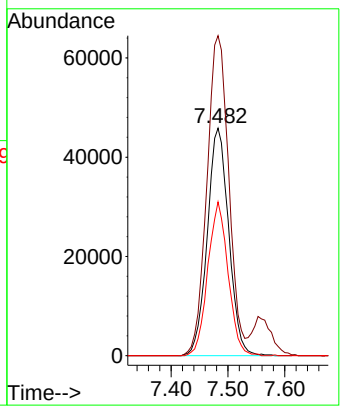


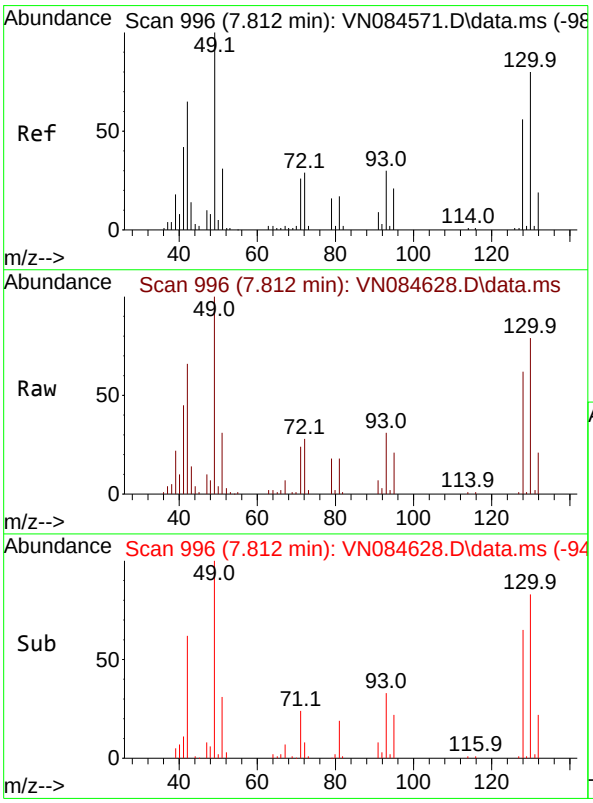
#27
cis-1,2-Dichloroethene
Concen: 47.758 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 120101

Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	301.8
98	64.0	0.0	128.2

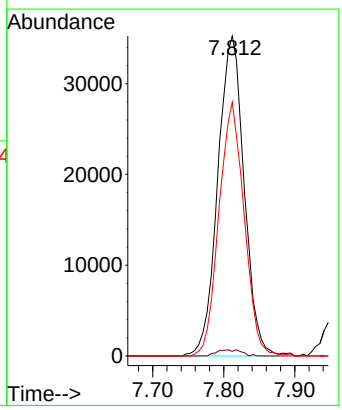


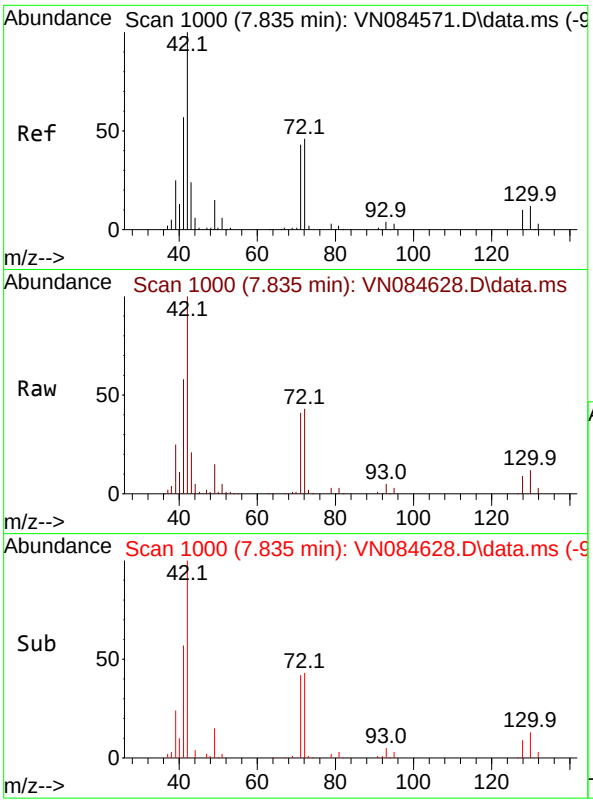


#28
Bromochloromethane
Concen: 56.020 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 49 Resp: 90567

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	76.1	58.0	87.0



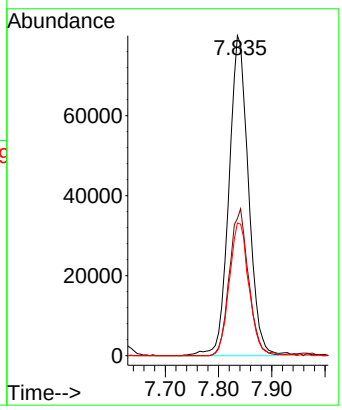


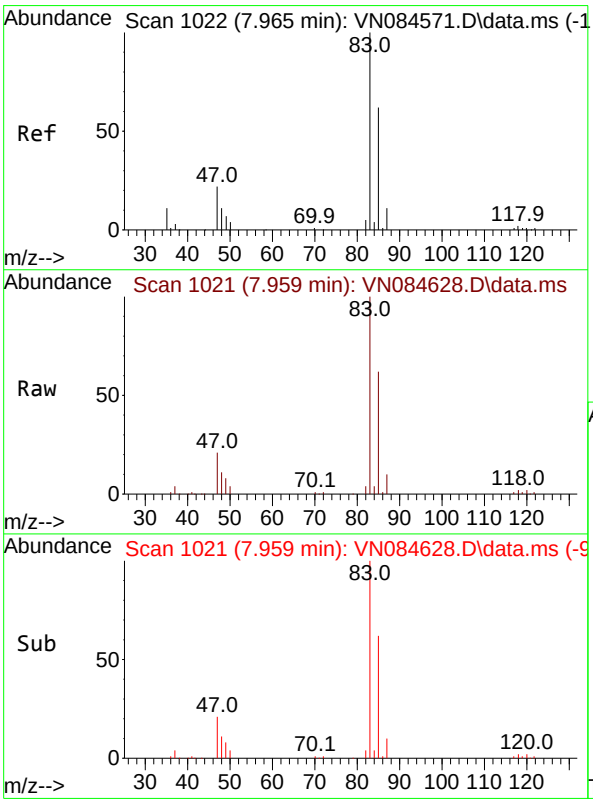
#29
Tetrahydrofuran
Concen: 247.530 ug/l
RT: 7.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 203801

Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	41.8	32.2	48.4

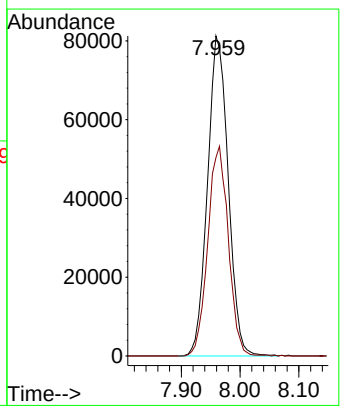


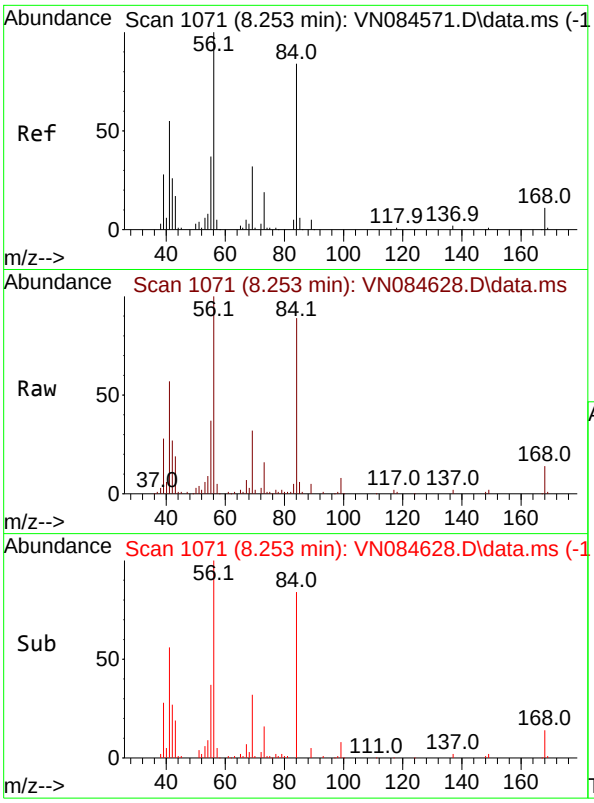


#30
Chloroform
Concen: 48.069 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 83 Resp: 198531

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.0	76.4



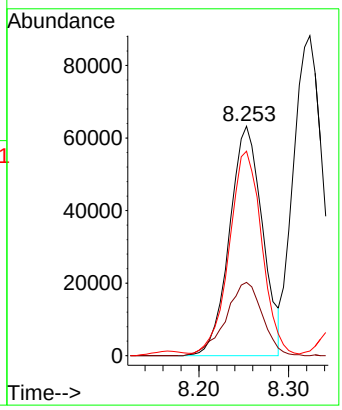


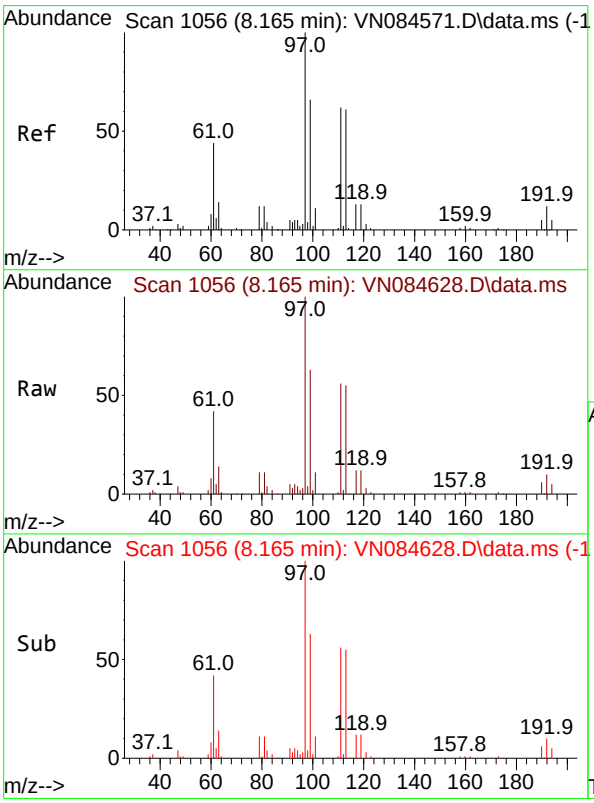
#31
Cyclohexane
Concen: 44.014 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 161647

Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.8	35.6
84	87.5	68.8	103.2

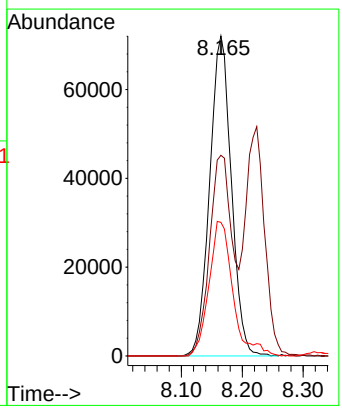


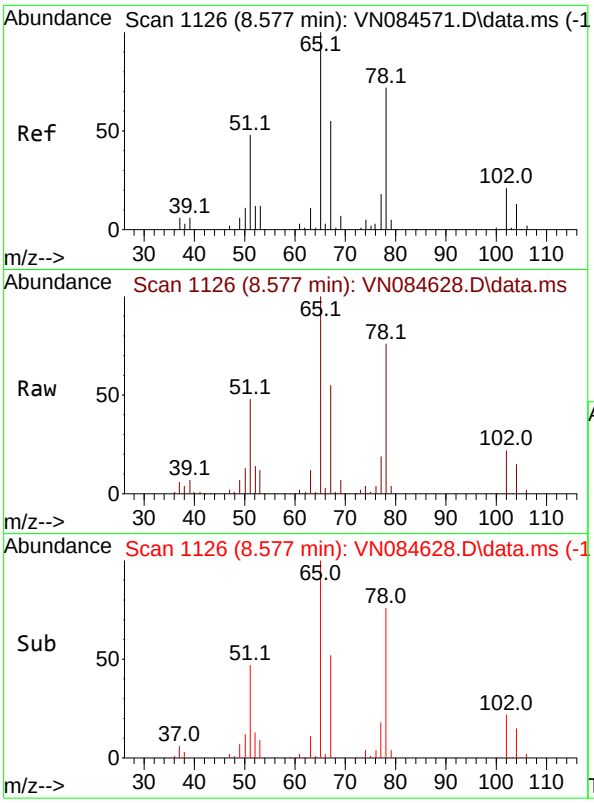


#32
1,1,1-Trichloroethane
Concen: 47.362 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 97 Resp: 178041

Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.2	76.8
61	46.4	37.5	56.3



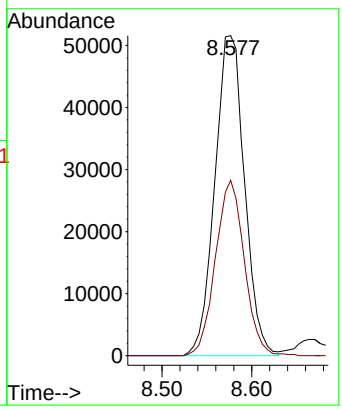


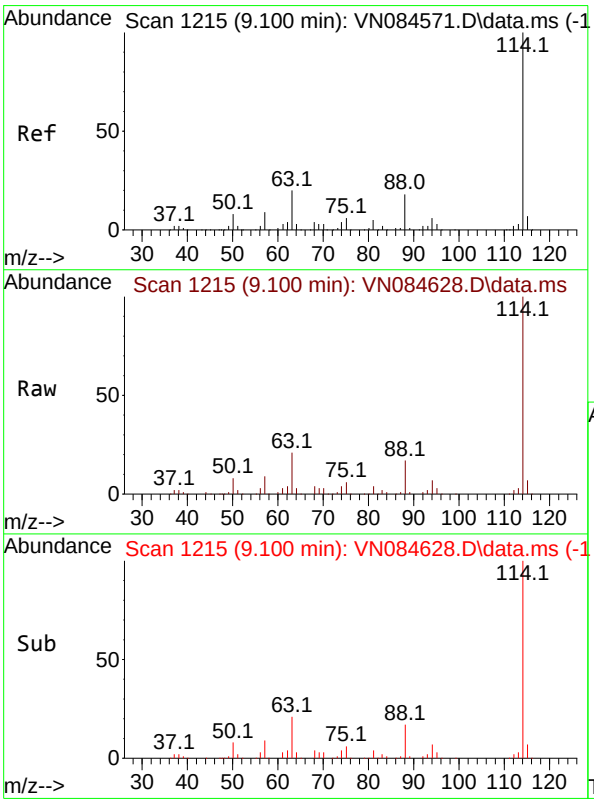
#33
1,2-Dichloroethane-d4
Concen: 44.583 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 118600

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	102.0

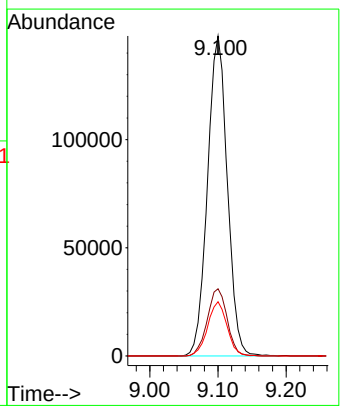


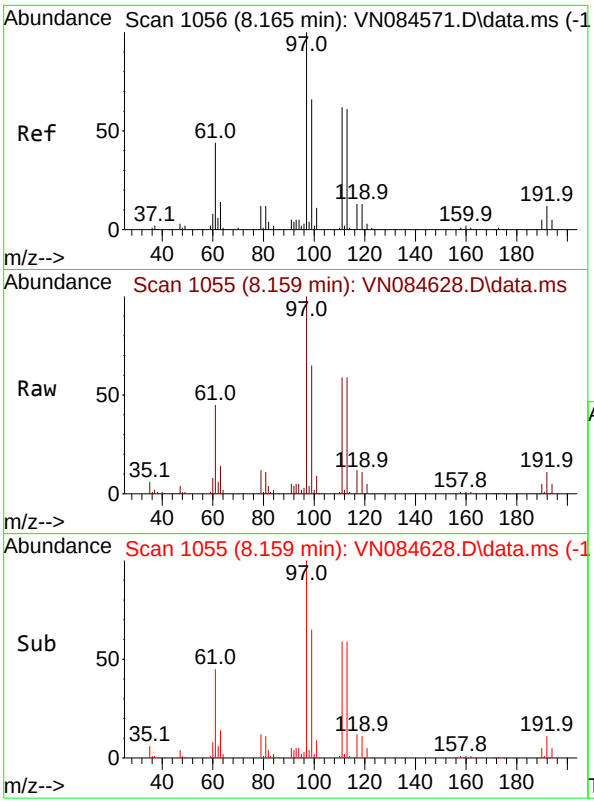


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:114 Resp: 299507

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	16.9	0.0	31.6



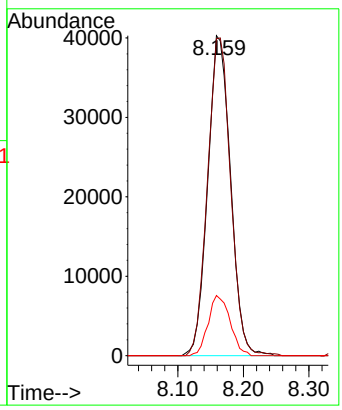


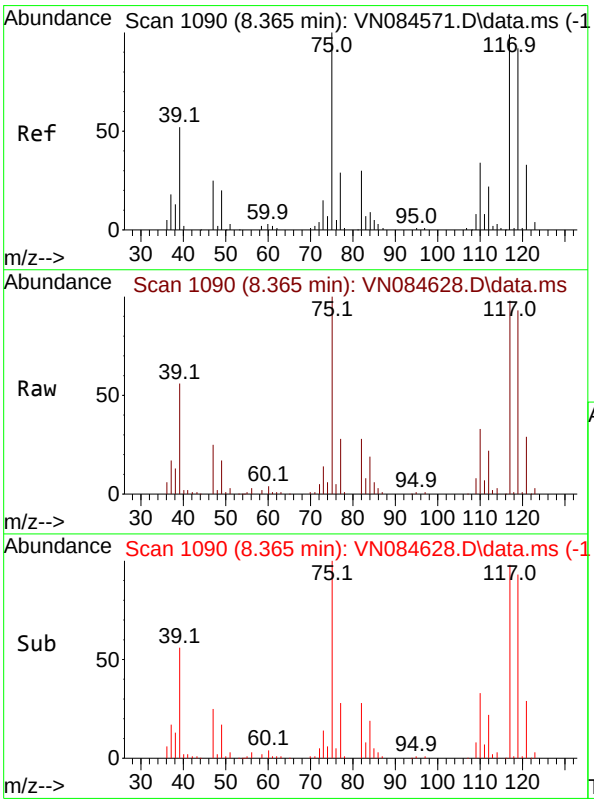
#35
Dibromofluoromethane
Concen: 47.992 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 97295

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	18.1	13.5	20.3

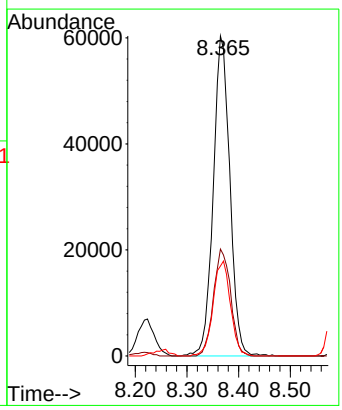


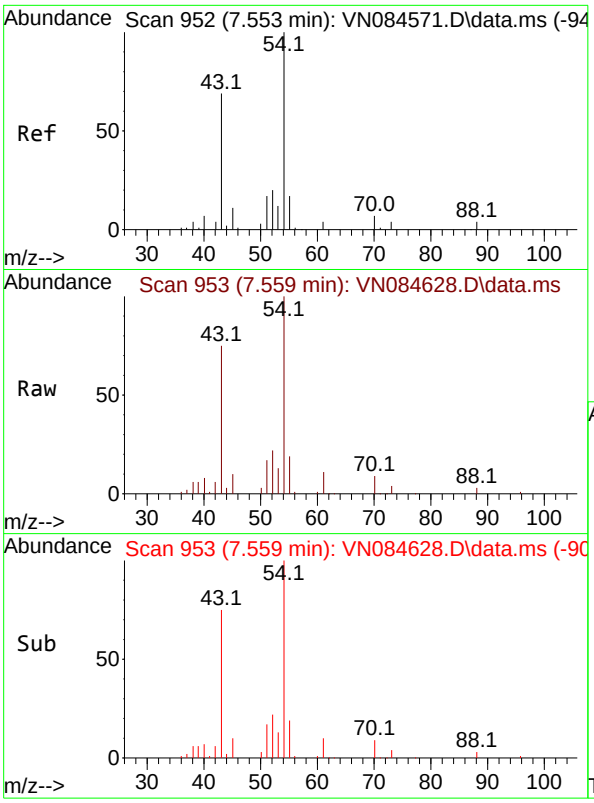


#36
1,1-Dichloropropene
Concen: 47.960 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 134844

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.9	50.7
77	31.0	24.7	37.1



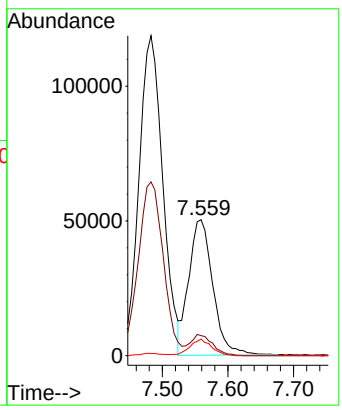


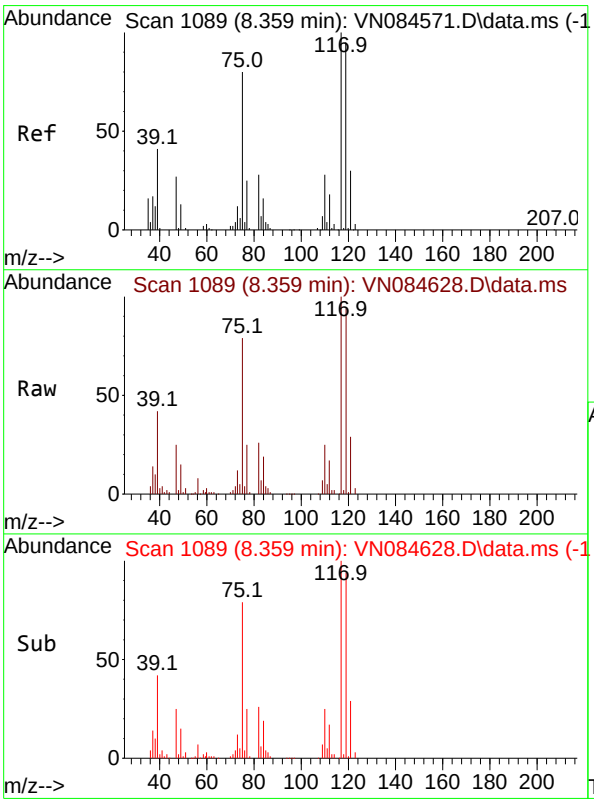
#37
Ethyl Acetate
Concen: 50.445 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 128683

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.0	8.8	13.2

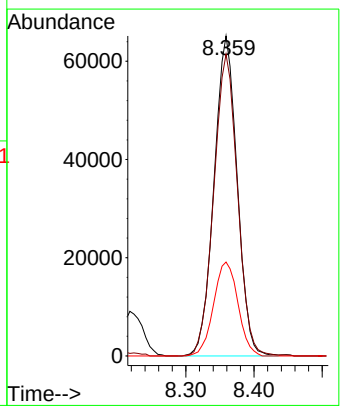


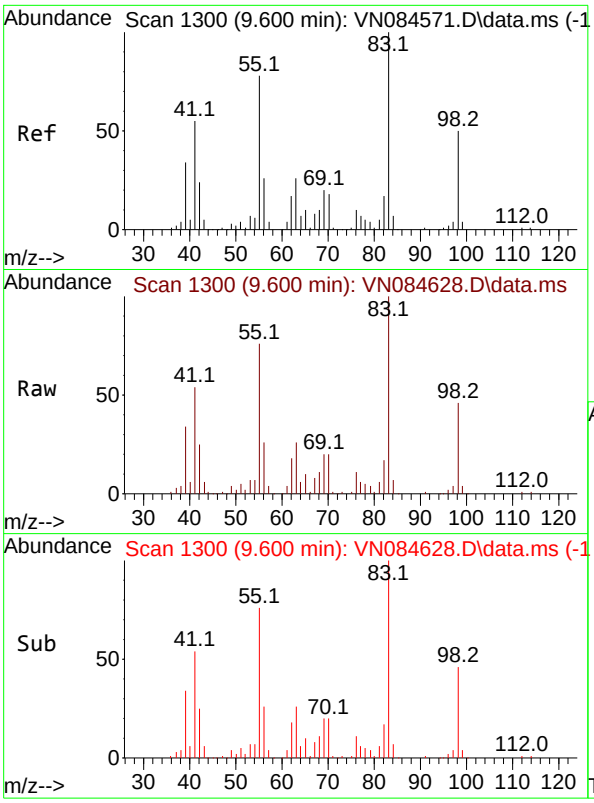


#38
Carbon Tetrachloride
Concen: 48.951 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:117 Resp: 153837

Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.7	118.1
121	29.4	24.4	36.6



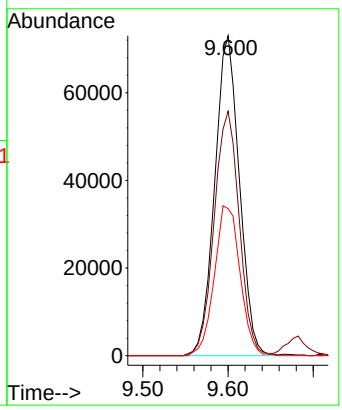


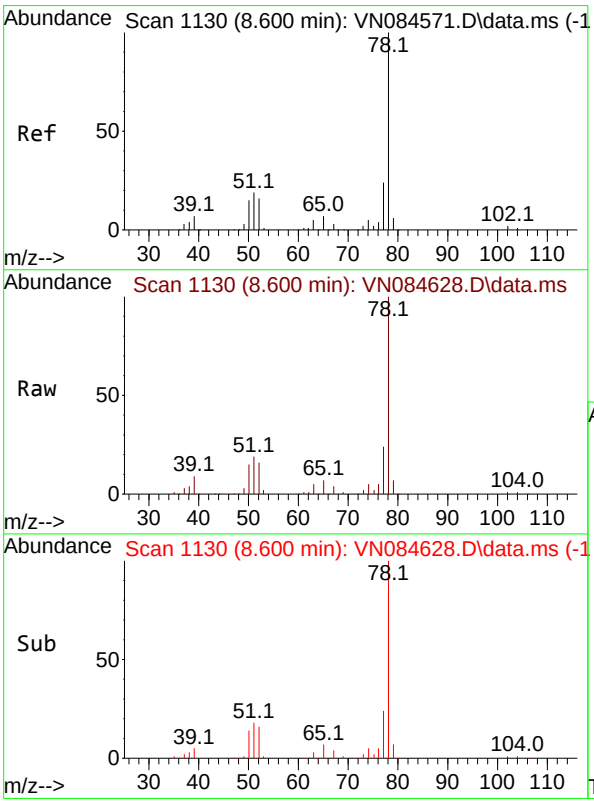
#39
Methylcyclohexane
Concen: 51.312 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 146769

Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.8	94.2
98	46.0	38.8	58.2

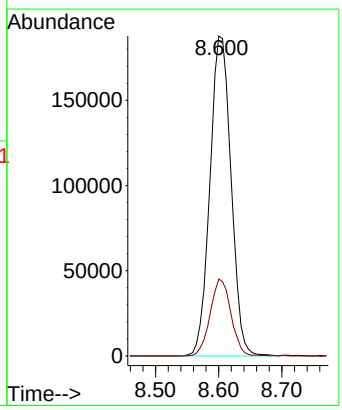


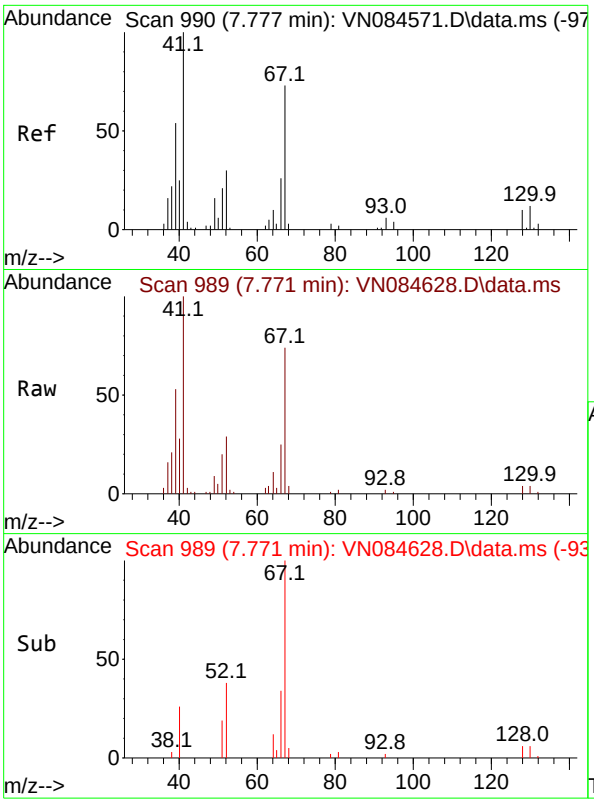


#40
Benzene
Concen: 48.319 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 78 Resp: 436290

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7



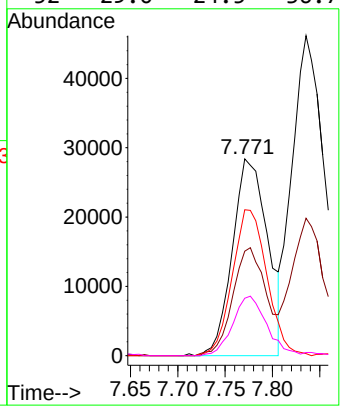


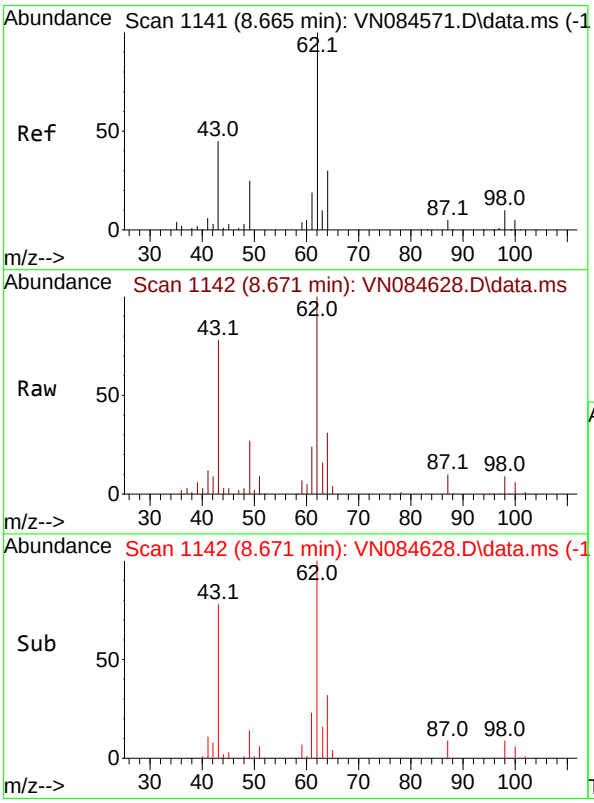
#41
Methacrylonitrile
Concen: 53.631 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 73571

Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.3	64.9
67	72.9	56.1	84.1
52	29.0	24.5	36.7

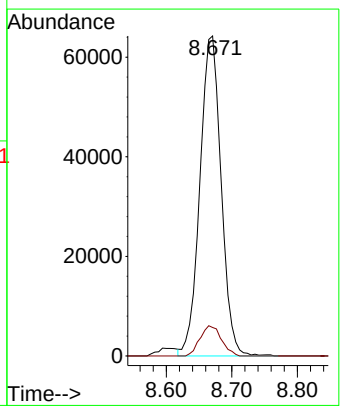


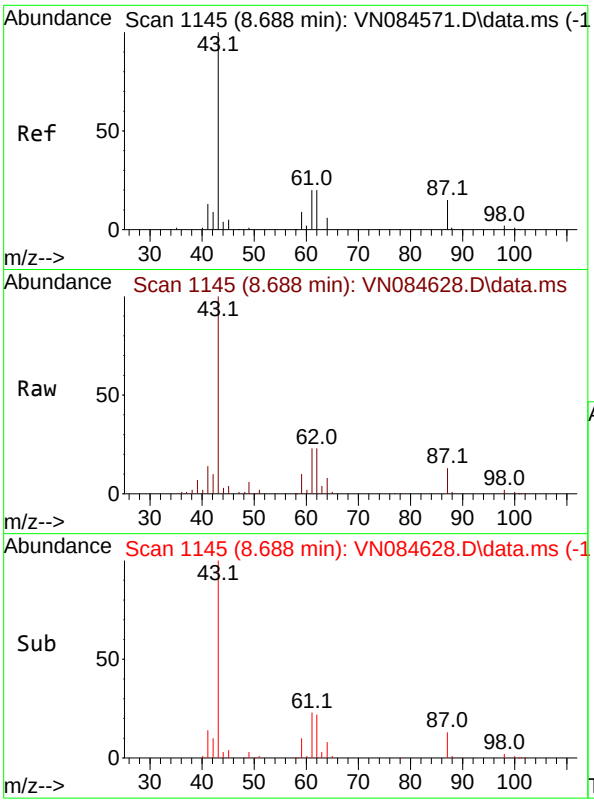


#42
1,2-Dichloroethane
Concen: 49.594 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 62 Resp: 145026

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.2



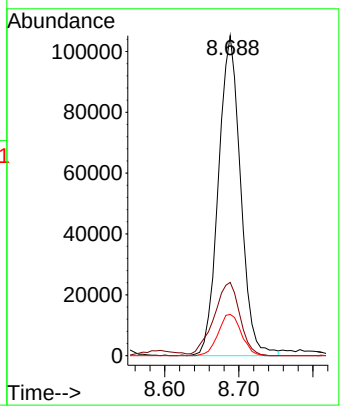


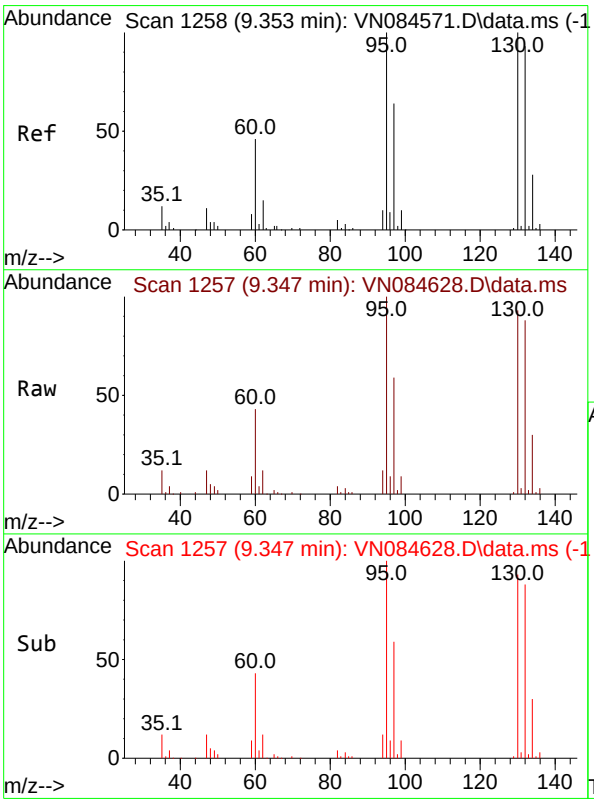
#43
Isopropyl Acetate
Concen: 46.323 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 218643

Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.4	30.6
87	13.4	10.3	15.5

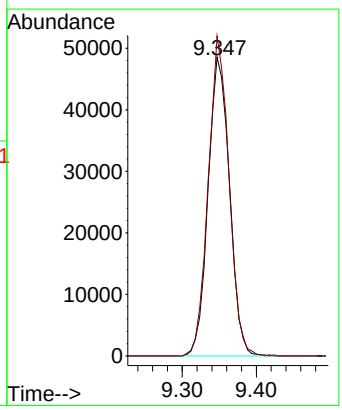


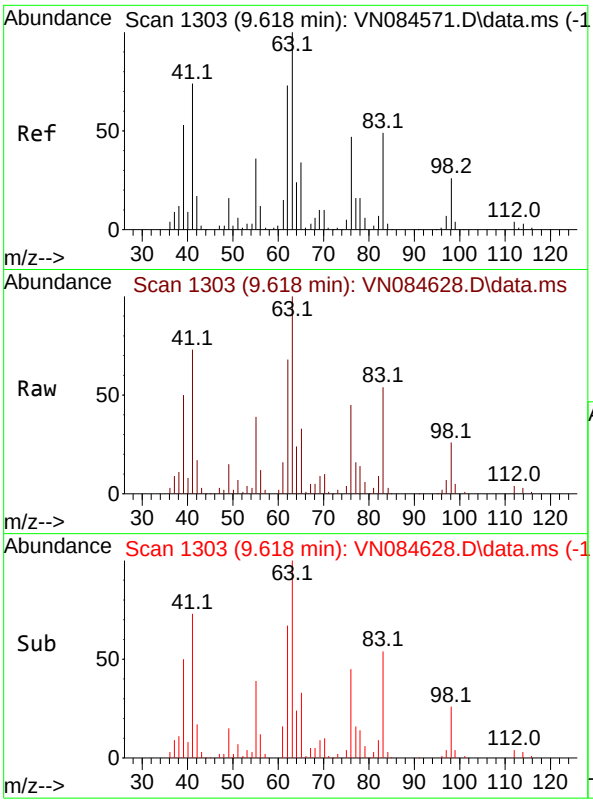


#44
Trichloroethene
Concen: 46.787 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:130 Resp: 97430

Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	203.0



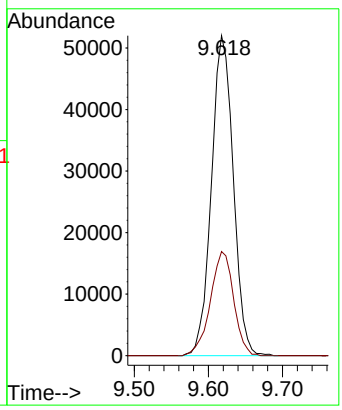


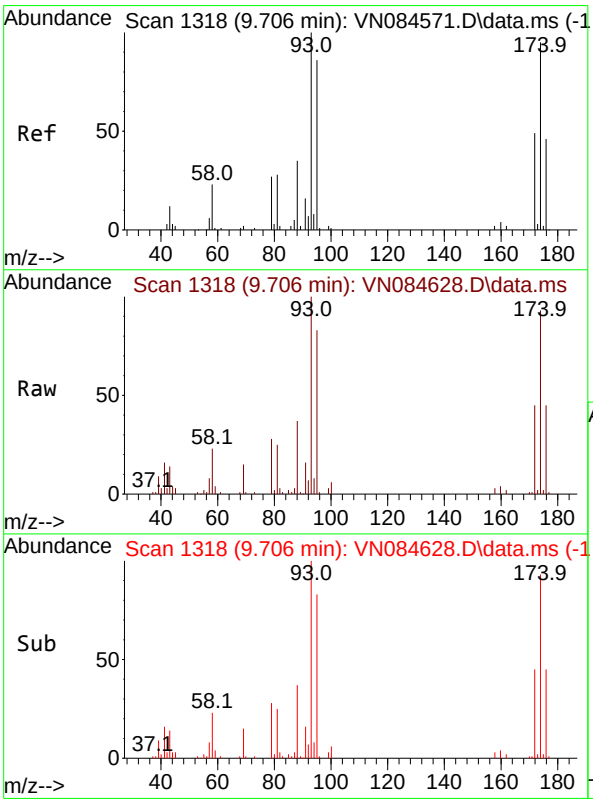
#45
1,2-Dichloropropane
Concen: 50.327 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 106599

Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.6	37.0

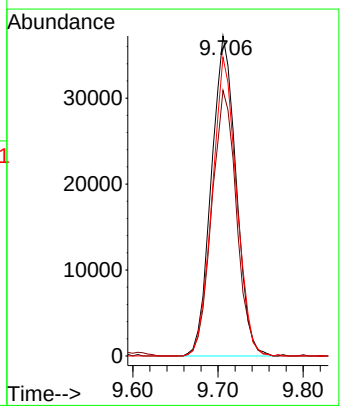


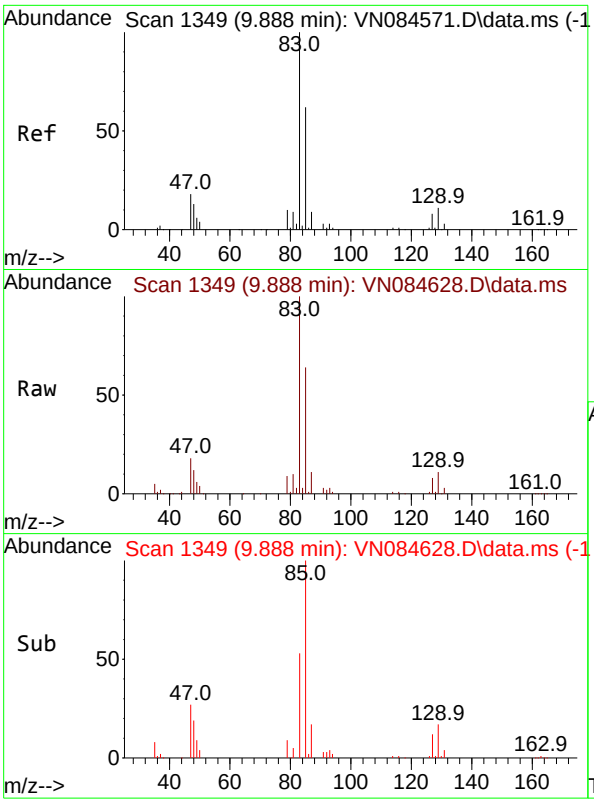


#46
Dibromomethane
Concen: 50.221 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 93 Resp: 75062

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.0	97.4
174	91.9	71.8	107.8



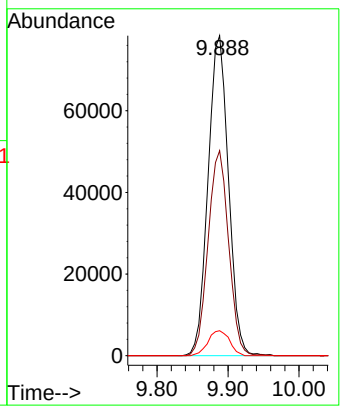


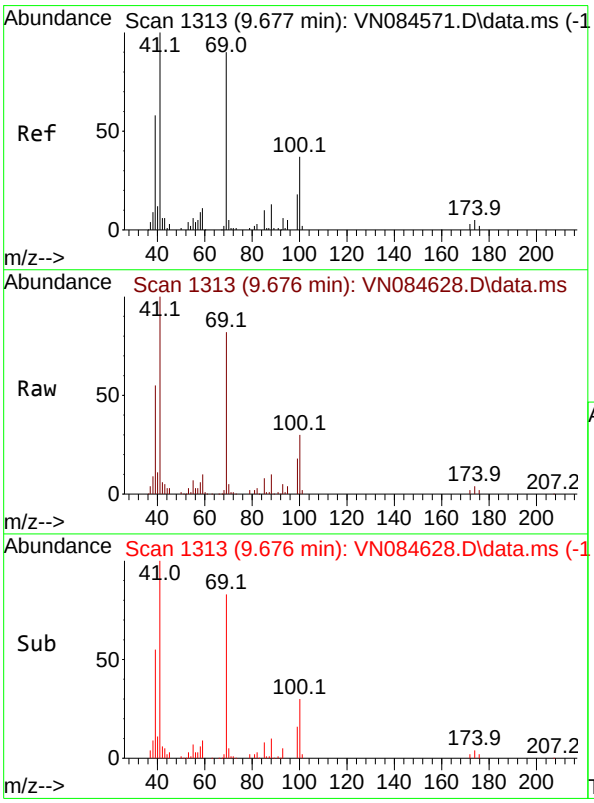
#47
Bromodichloromethane
Concen: 49.601 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 156271

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3
127	7.8	5.7	8.5

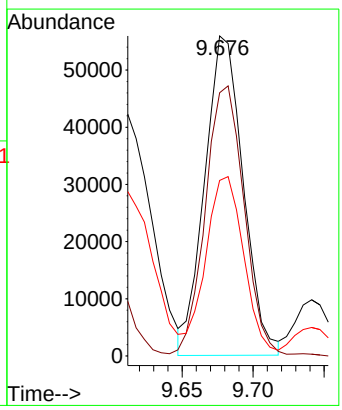


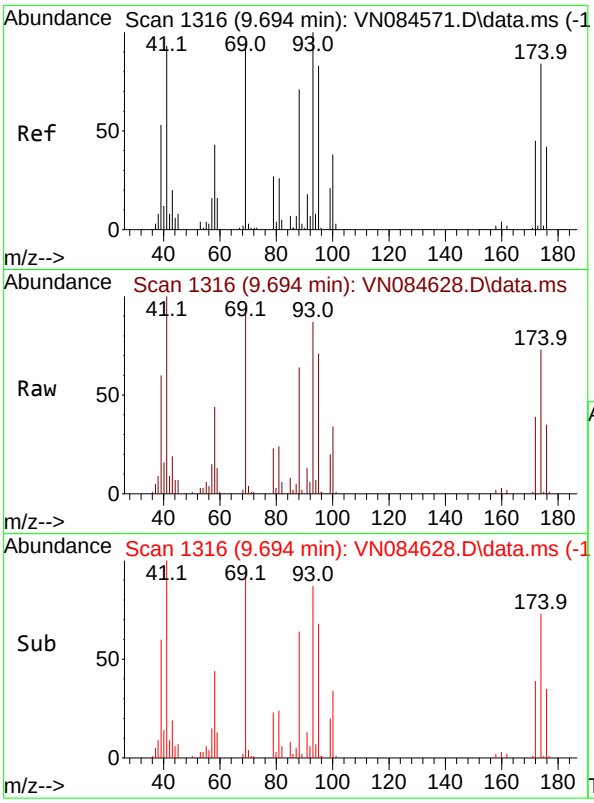


#48
Methyl methacrylate
Concen: 53.047 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 41 Resp: 105317

Ion	Ratio	Lower	Upper
41	100		
69	85.5	67.1	100.7
39	56.5	45.8	68.6



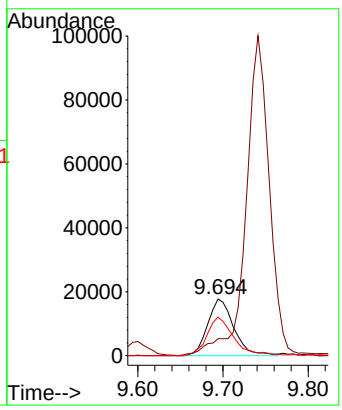


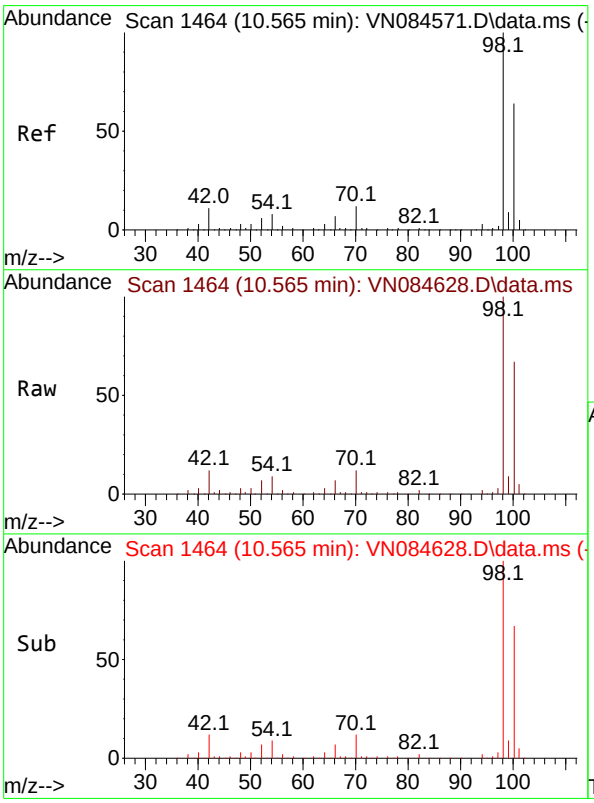
#49
1,4-Dioxane
Concen: 1072.921 ug/l
RT: 9.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 37747

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	70.8	56.4	84.6

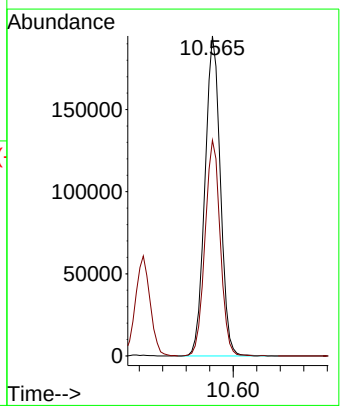


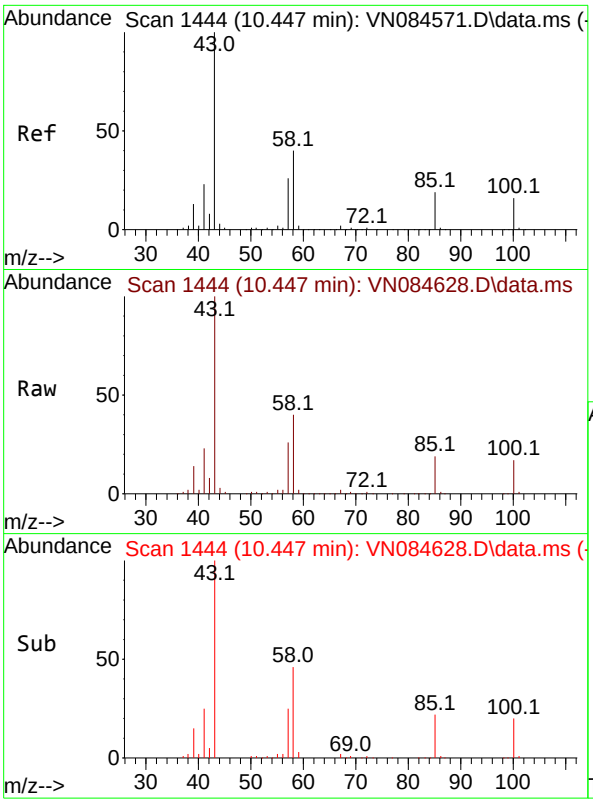


#50
Toluene-d8
Concen: 47.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 98 Resp: 355060

Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.7	79.1



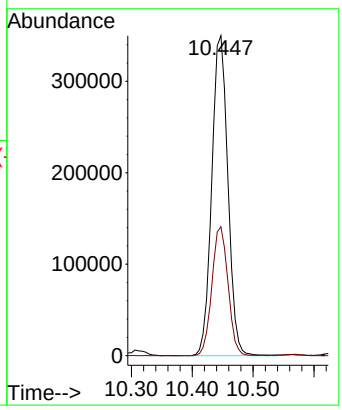


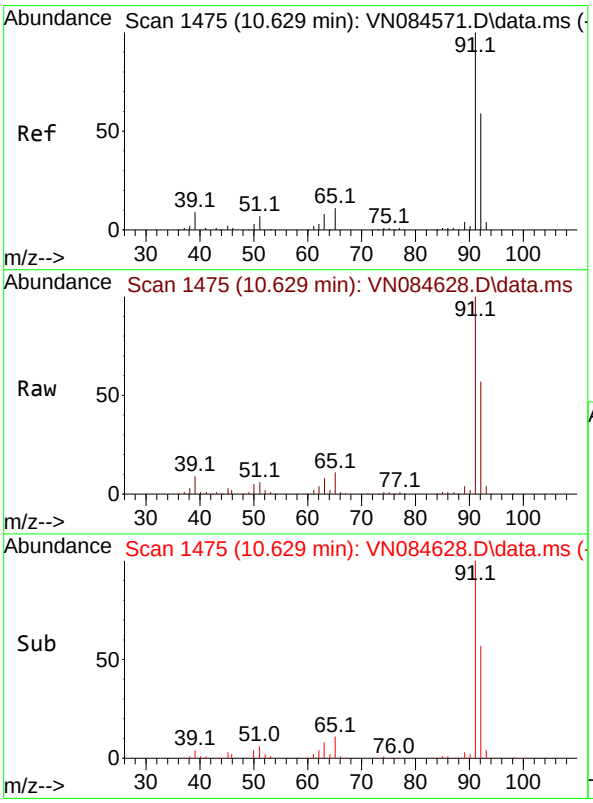
#51
4-Methyl-2-Pentanone
Concen: 264.740 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 643803

Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.6	47.4

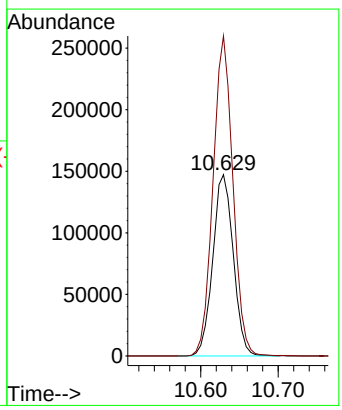


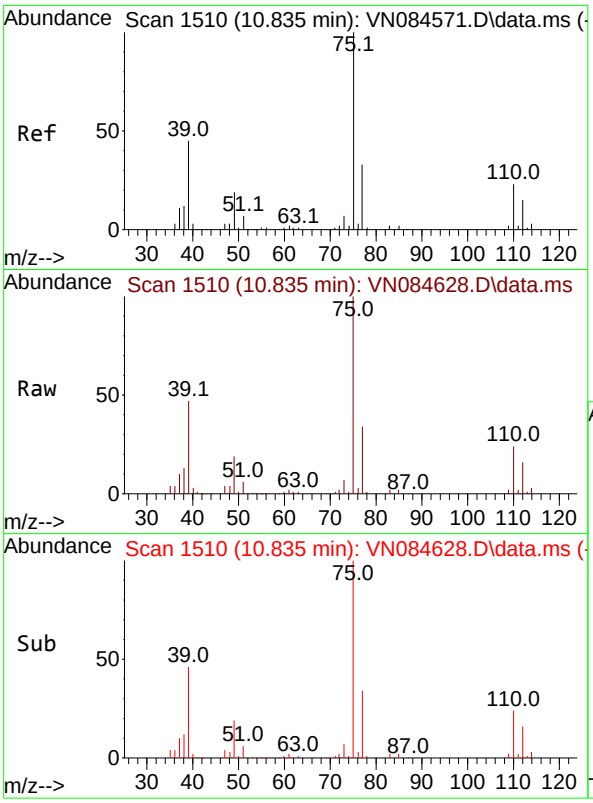


#52
Toluene
Concen: 51.353 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 92 Resp: 271189

Ion	Ratio	Lower	Upper
92	100		
91	170.9	137.3	205.9



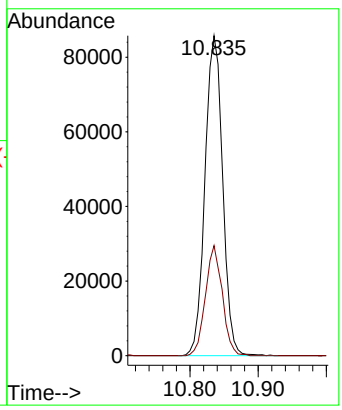


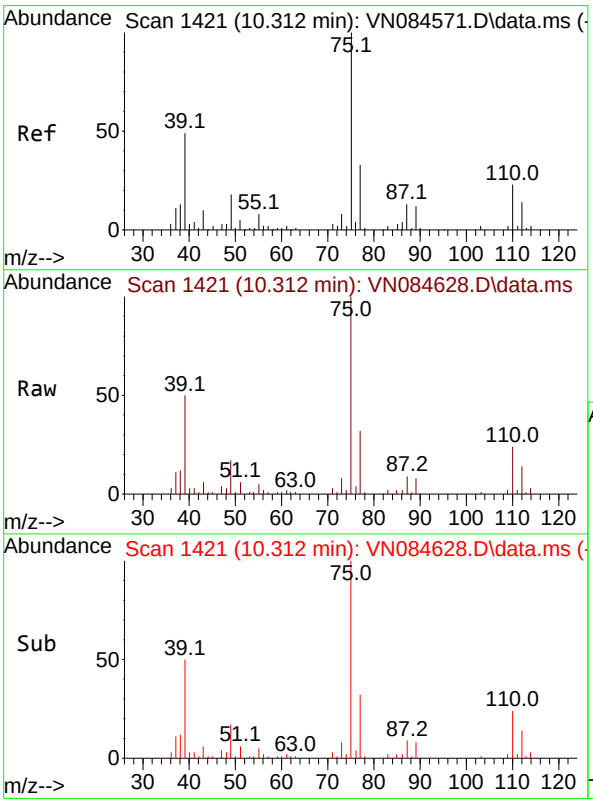
#53
t-1,3-Dichloropropene
Concen: 47.438 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 154705

Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.4	38.0

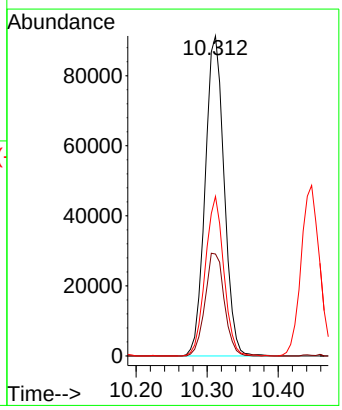


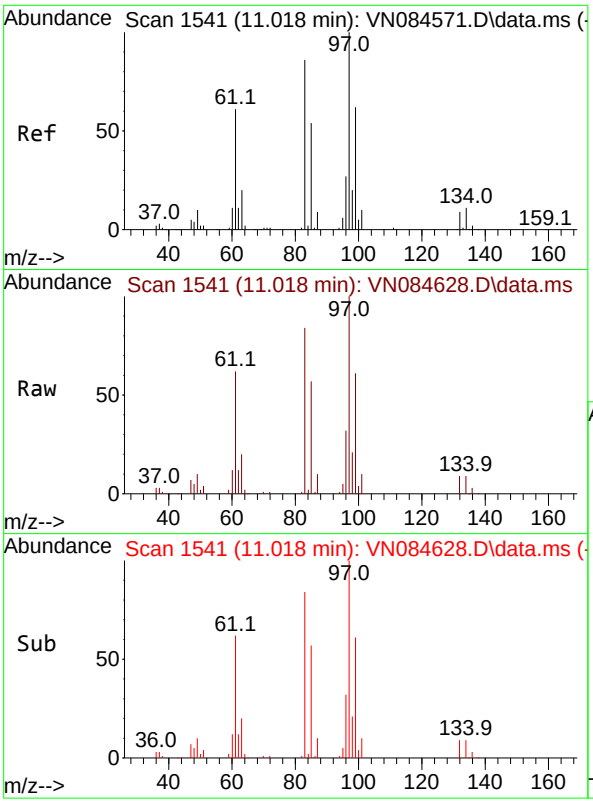


#54
cis-1,3-Dichloropropene
Concen: 49.152 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 169654

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.2	36.2
39	49.9	38.7	58.1



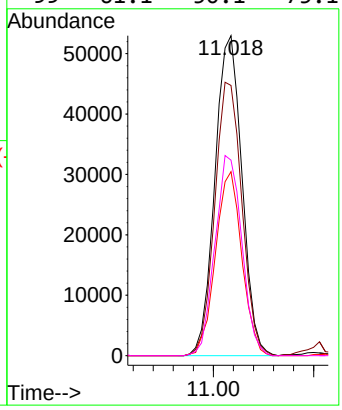


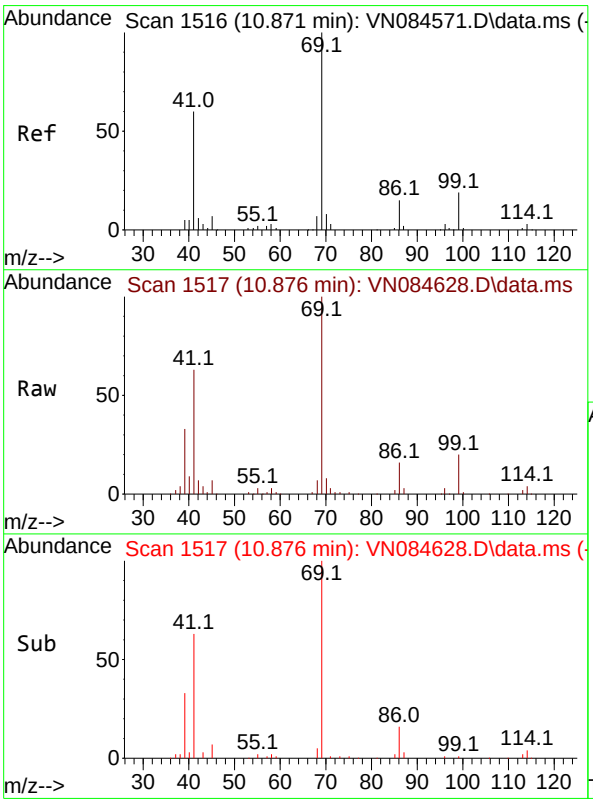
#55
1,1,2-Trichloroethane
Concen: 49.815 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 99093

Ion	Ratio	Lower	Upper
97	100		
83	84.4	71.0	106.4
85	57.5	41.7	62.5
99	61.1	50.1	75.1

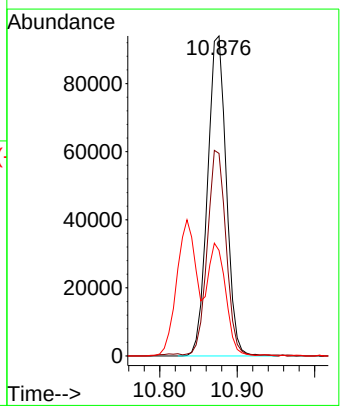


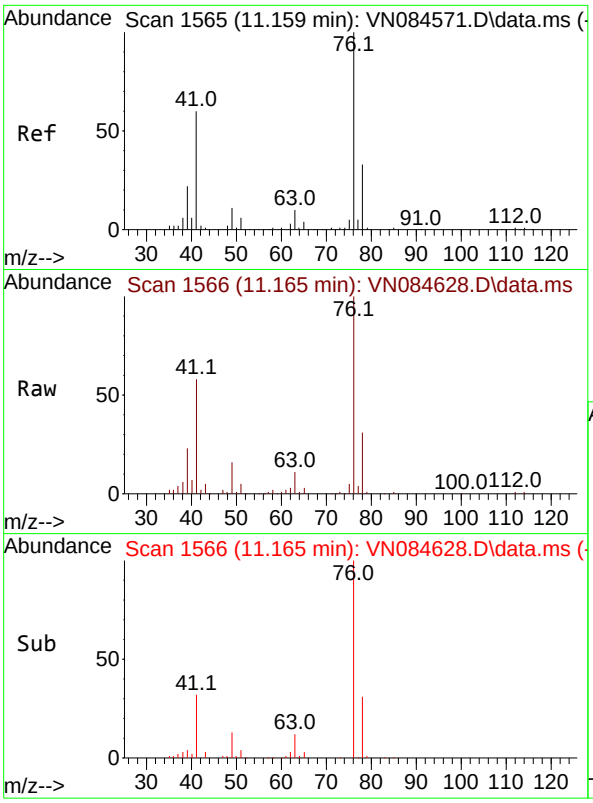


#56
Ethyl methacrylate
Concen: 54.790 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 69 Resp: 157649

Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.3	79.9
39	34.5	28.8	43.2



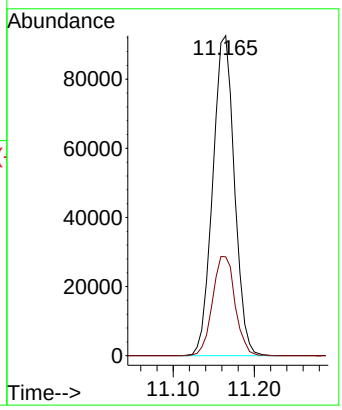


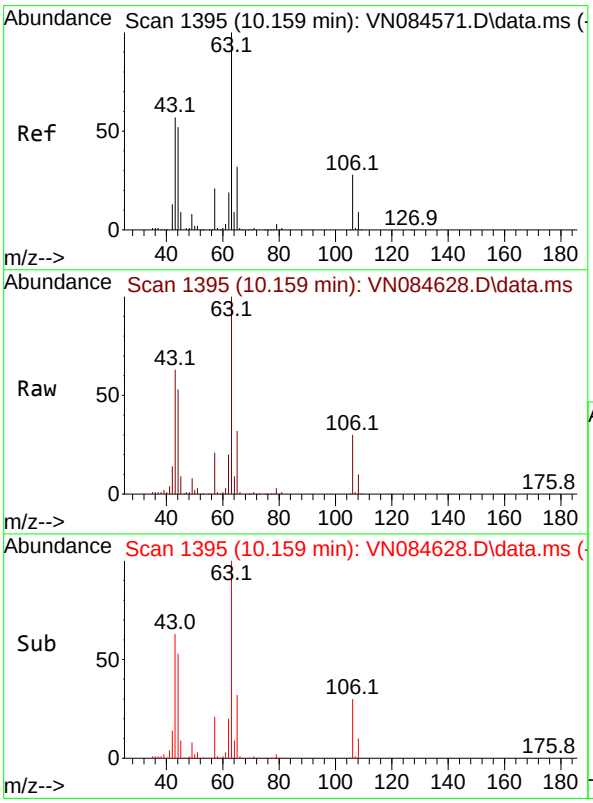
#57
1,3-Dichloropropane
Concen: 50.388 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 172023

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

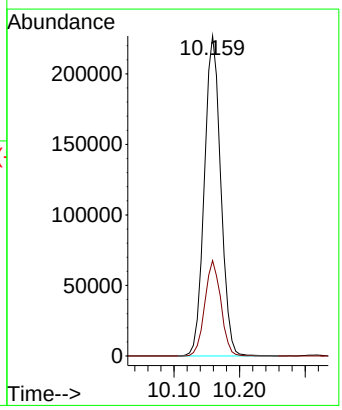


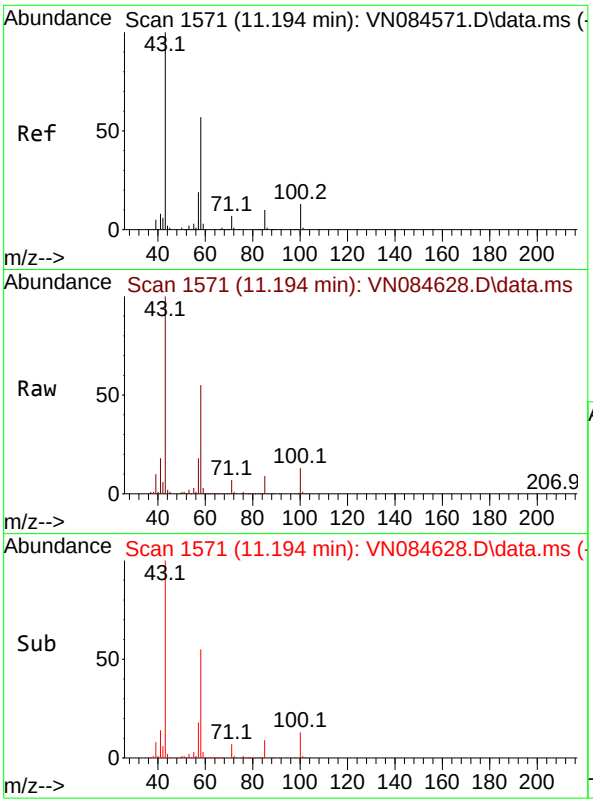


#58
2-Chloroethyl Vinyl ether
Concen: 293.256 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 63 Resp: 394841

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.8	32.6



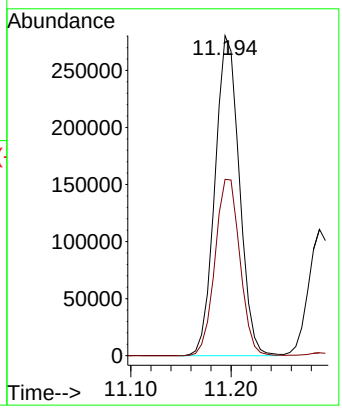


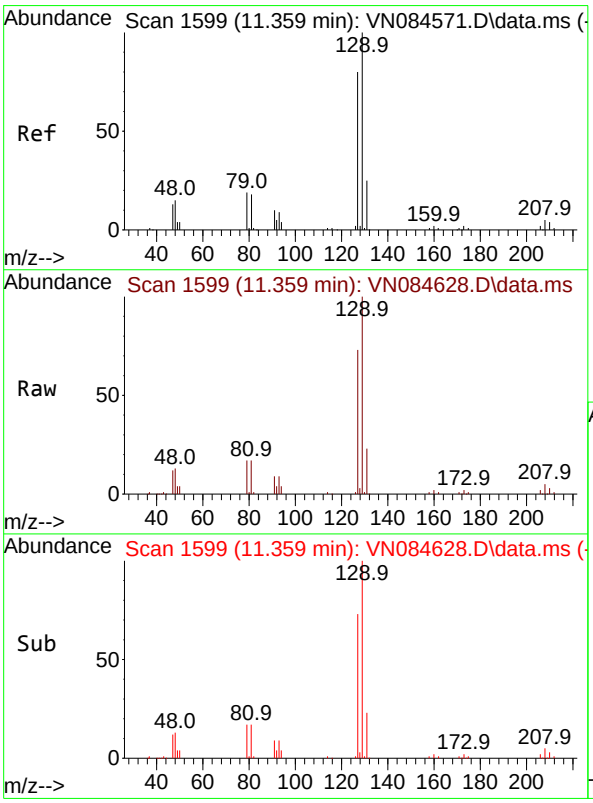
#59
2-Hexanone
Concen: 267.380 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 473287

Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.3	81.8

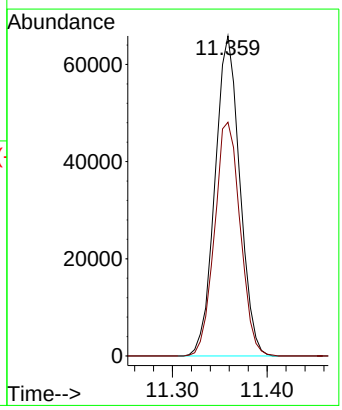


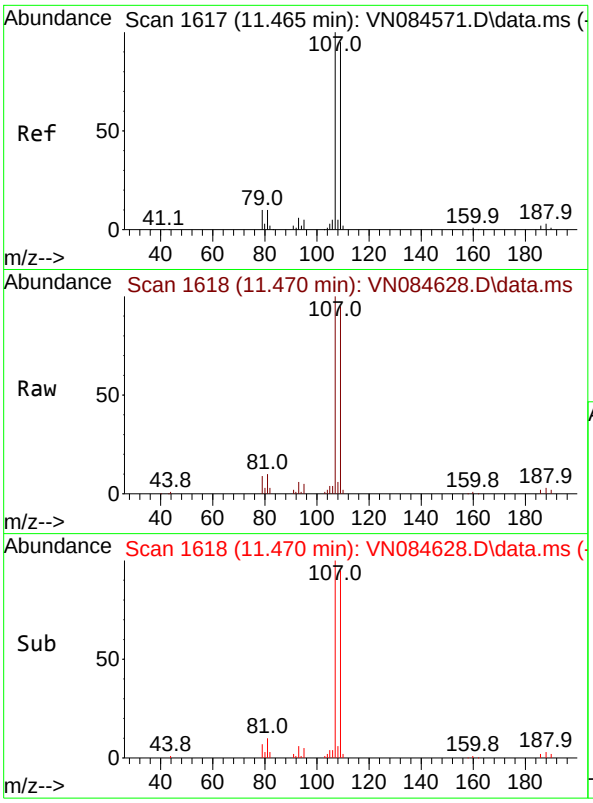


#60
Dibromochloromethane
Concen: 52.956 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:129 Resp: 120058

Ion	Ratio	Lower	Upper
129	100		
127	75.5	38.3	114.9



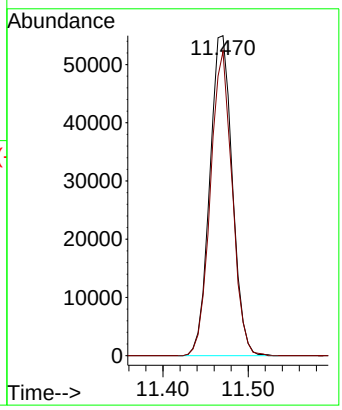


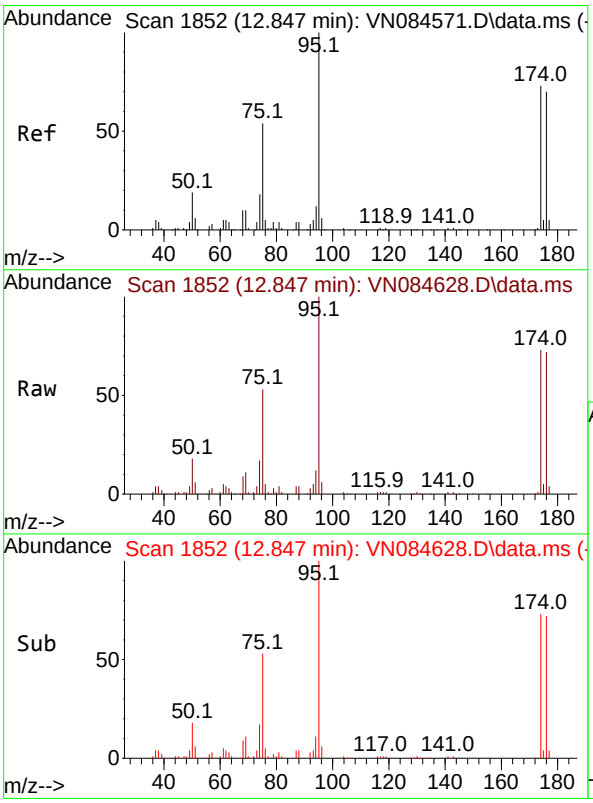
#61
1,2-Dibromoethane
Concen: 49.699 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 101240

Ion	Ratio	Lower	Upper
107	100		
109	91.4	75.4	113.0

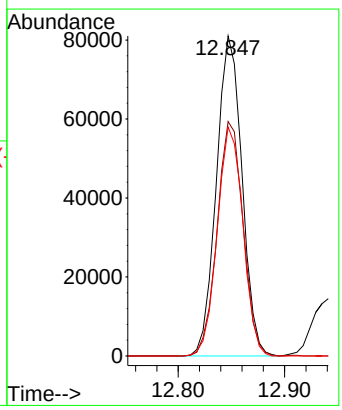


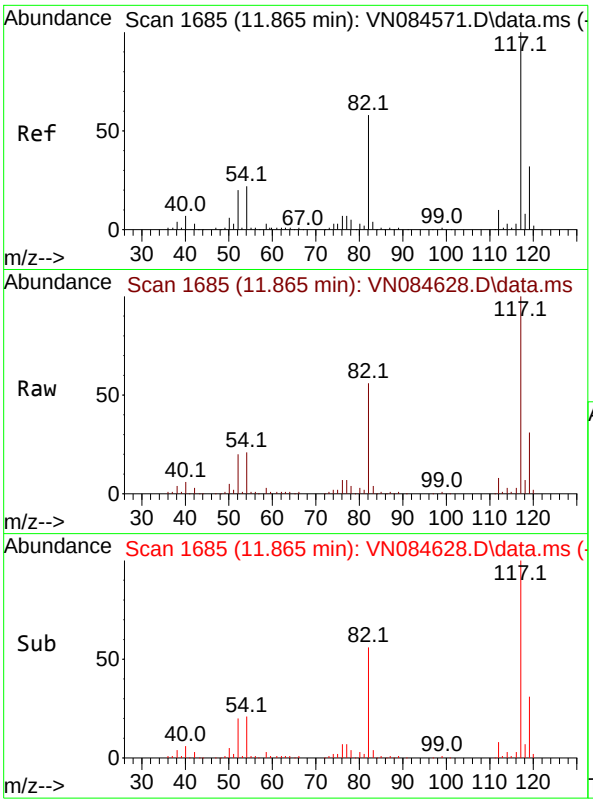


#62
4-Bromofluorobenzene
Concen: 48.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 95 Resp: 135136

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.8	0.0	140.0



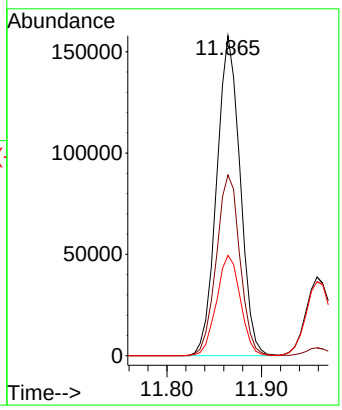


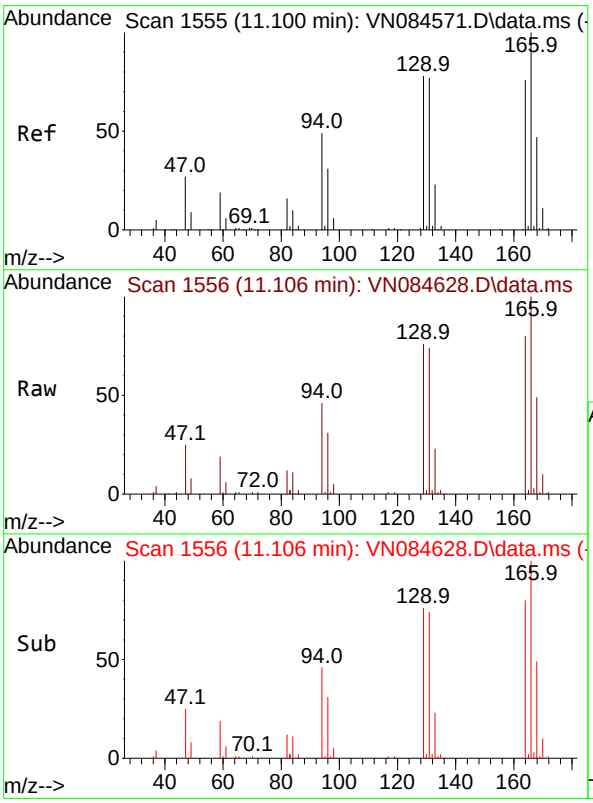
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 271207

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.2	70.8
119	31.4	25.4	38.0

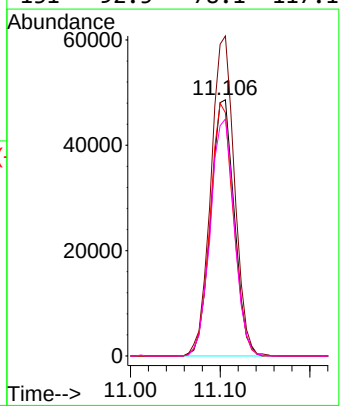


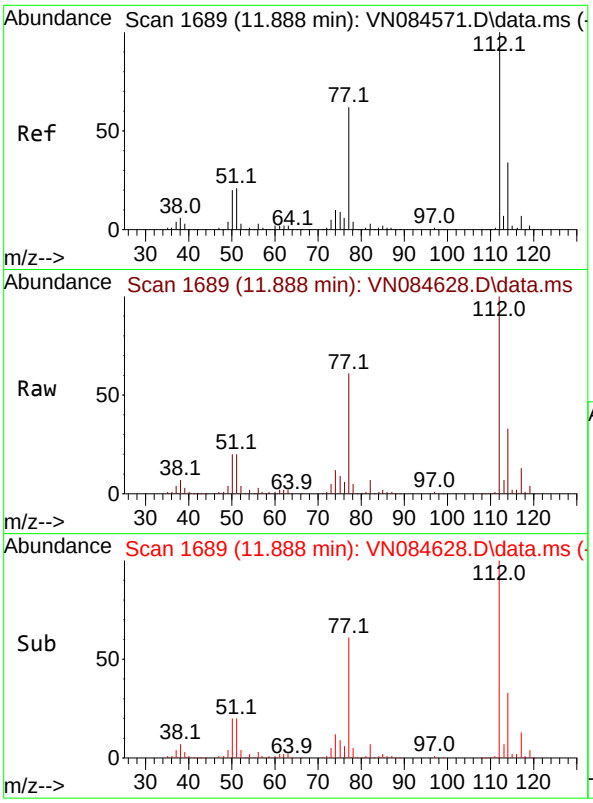


#64
Tetrachloroethene
Concen: 49.207 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:164 Resp: 88769

Ion	Ratio	Lower	Upper
164	100		
166	124.9	101.0	151.4
129	95.0	80.8	121.2
131	92.5	78.1	117.1



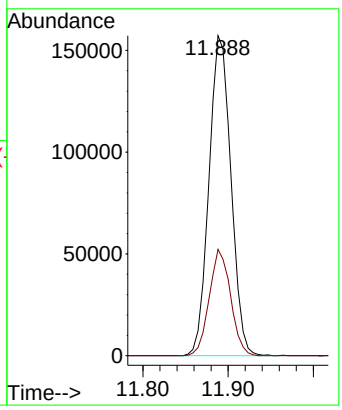


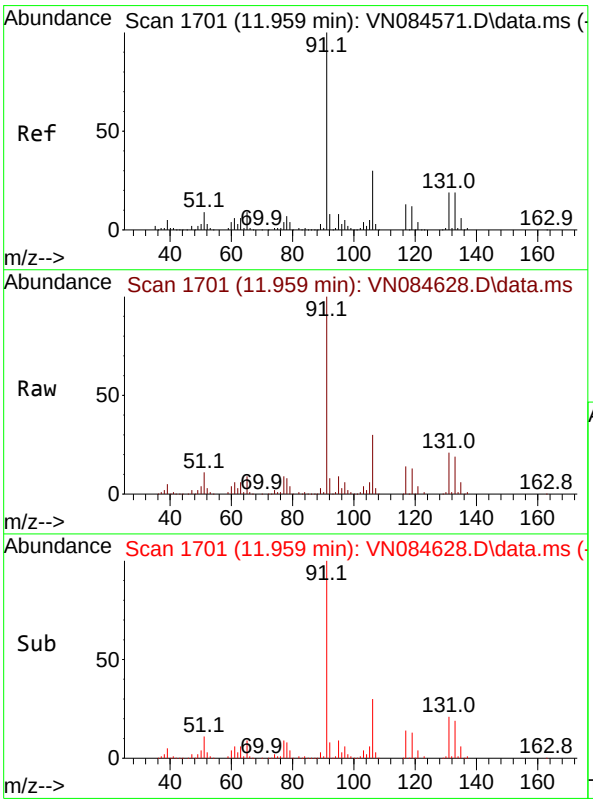
#65
Chlorobenzene
Concen: 46.410 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 281585

Ion	Ratio	Lower	Upper
112	100		
114	33.2	27.0	40.6

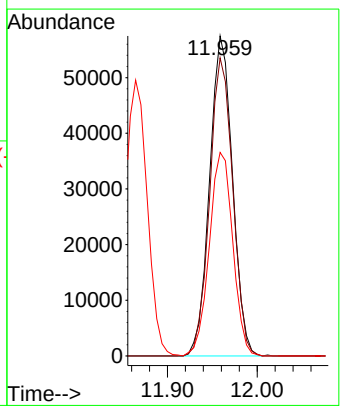


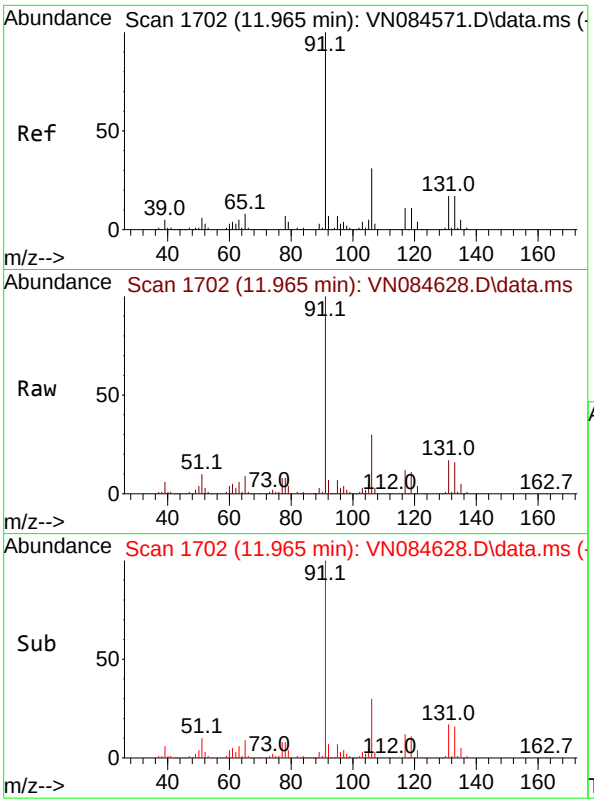


#66
1,1,1,2-Tetrachloroethane
Concen: 48.299 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:131 Resp: 101931

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	65.2	32.8	98.3



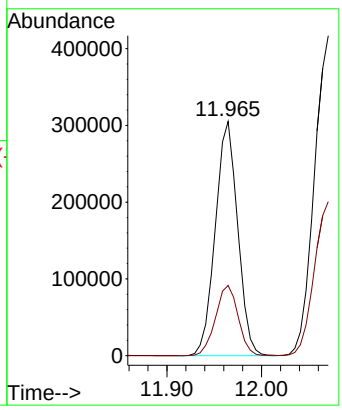


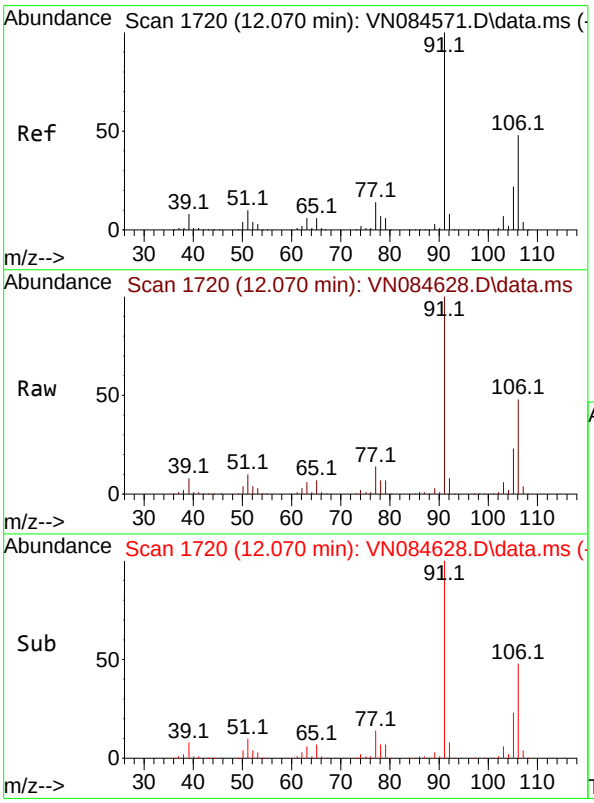
#67
Ethyl Benzene
Concen: 49.531 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 501636

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.5	36.7

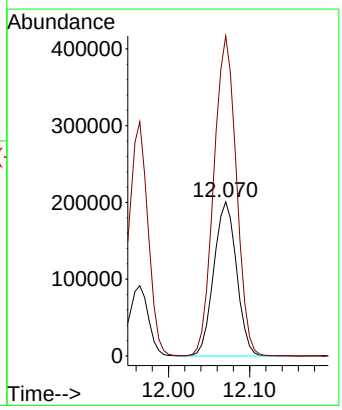


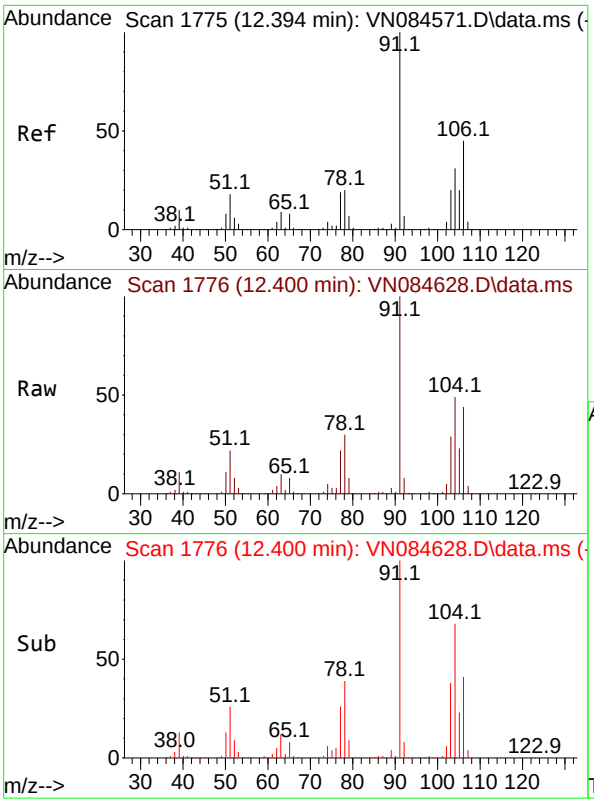


#68
m/p-Xylenes
Concen: 101.948 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:106 Resp: 390896

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.1	250.7



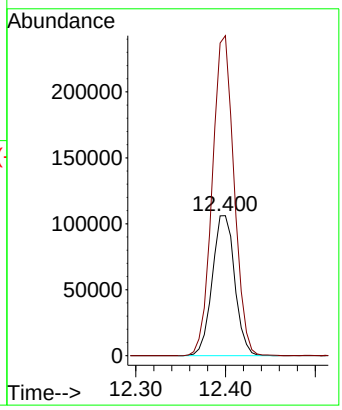


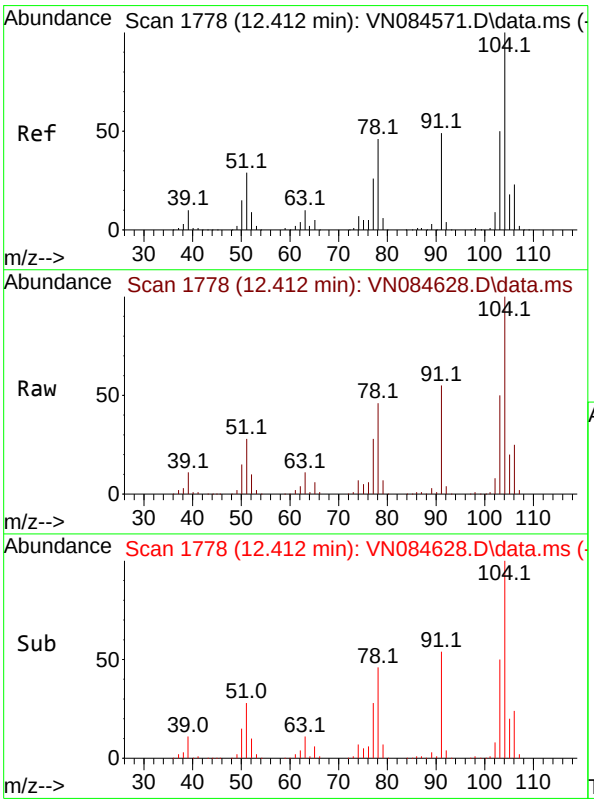
#69
o-Xylene
Concen: 51.466 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 184603

Ion	Ratio	Lower	Upper
106	100		
91	221.6	110.2	330.6

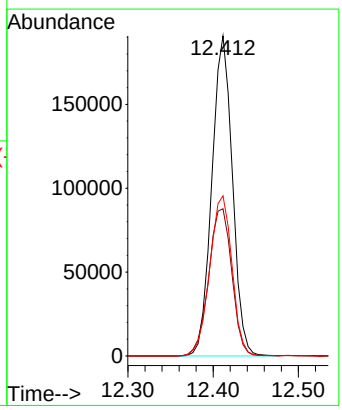


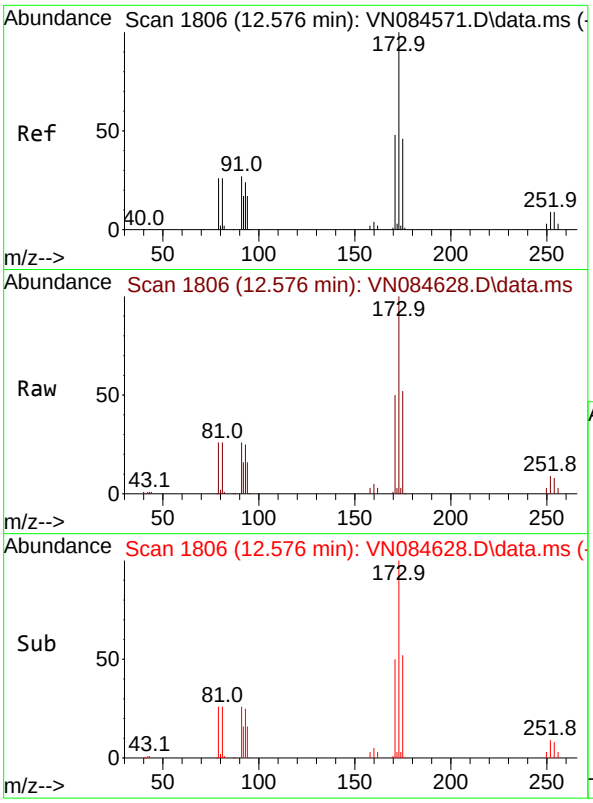


#70
Styrene
Concen: 51.179 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:104 Resp: 320232

Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.7	64.1
103	54.3	43.6	65.4



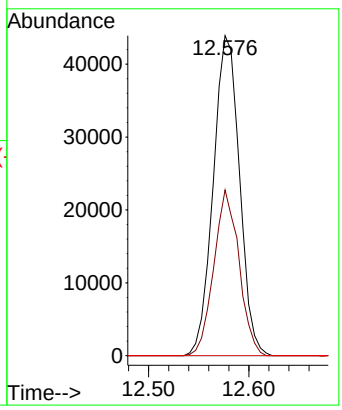


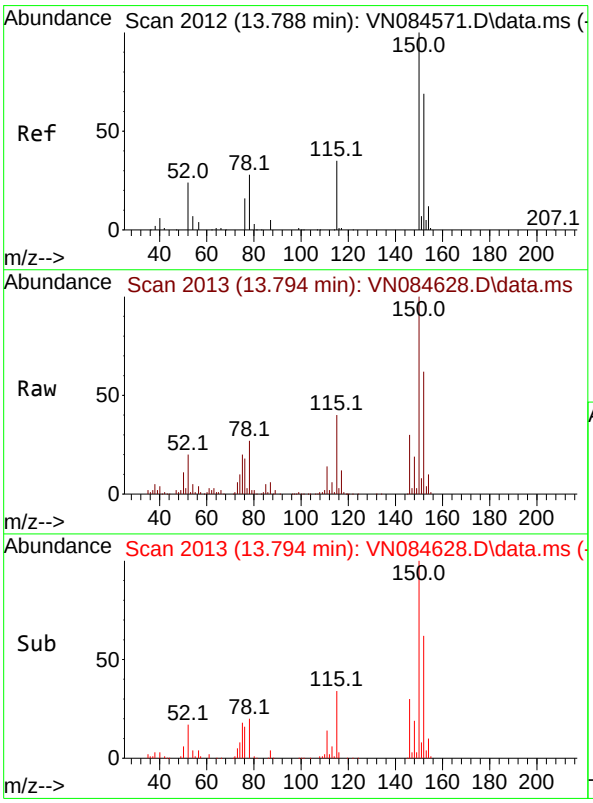
#71
Bromoform
Concen: 50.263 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 79820

Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.5	70.6
254	0.0	0.0	0.0

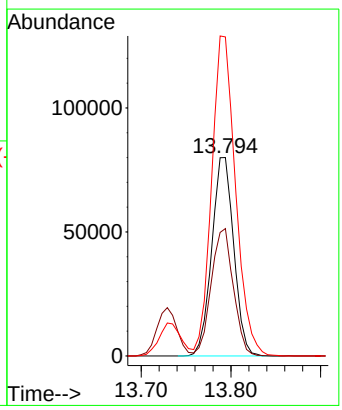


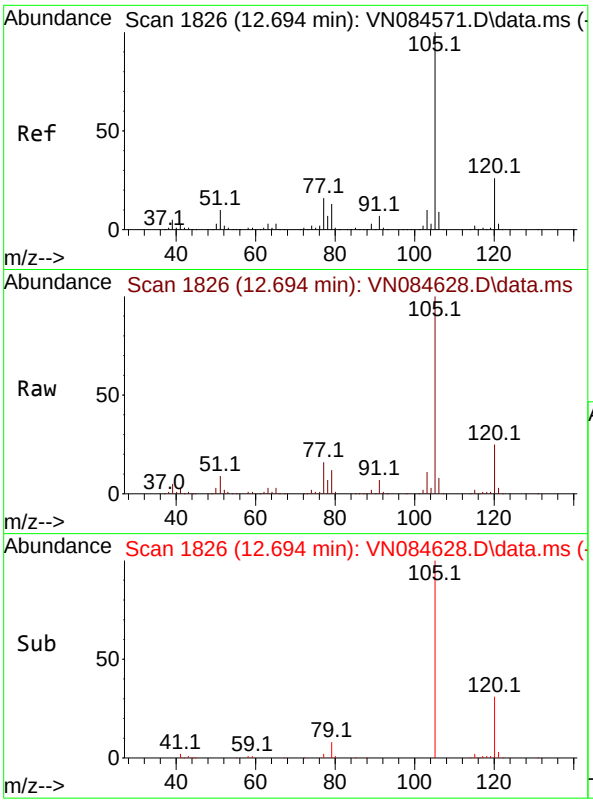


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:152 Resp: 136355

Ion	Ratio	Lower	Upper
152	100		
115	64.4	31.3	93.9
150	174.9	0.0	349.8



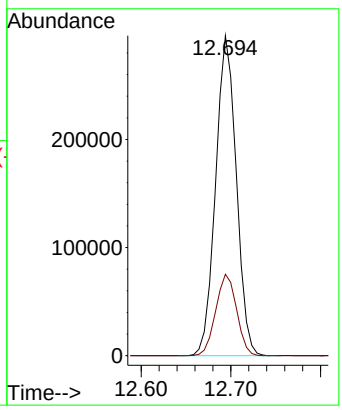


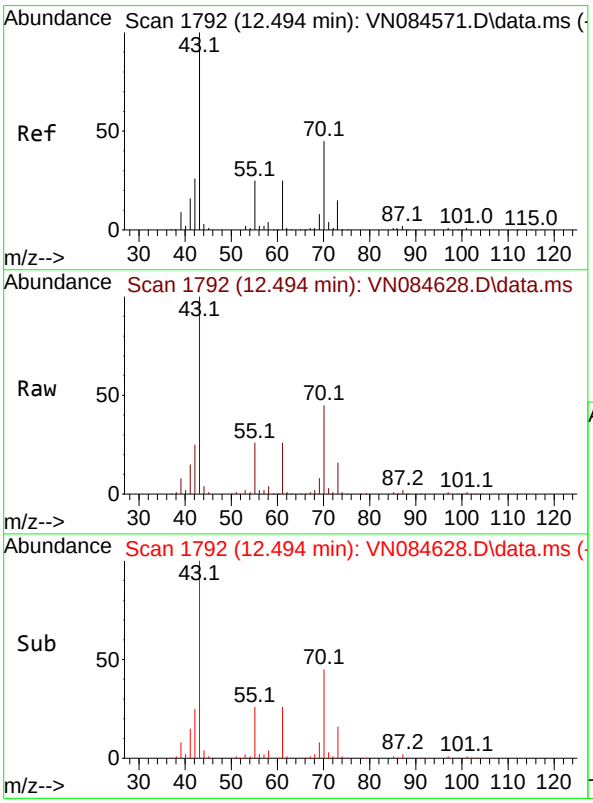
#73
Isopropylbenzene
Concen: 49.514 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 473125

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.9	38.7

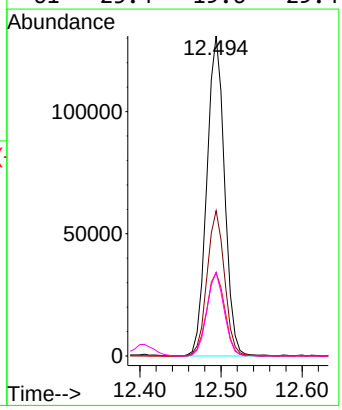


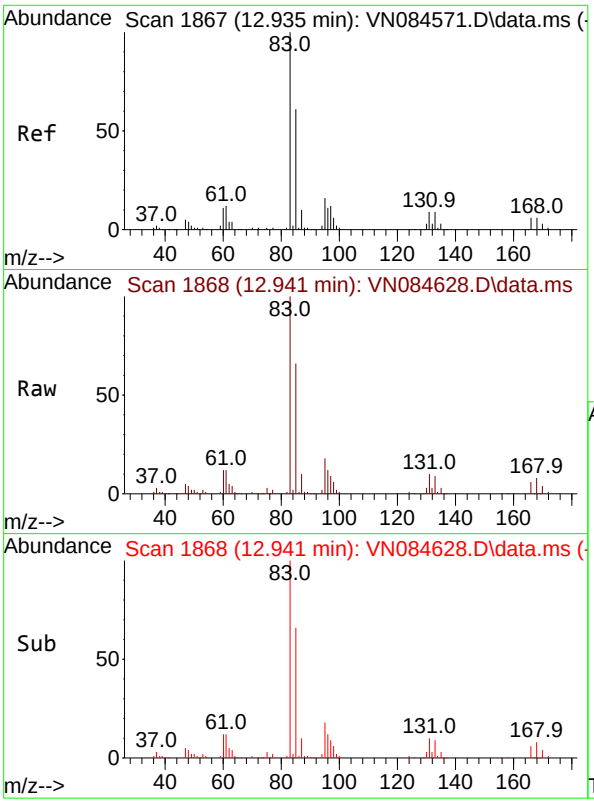


#74
N-amyl acetate
Concen: 48.799 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 43 Resp: 198462

Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.4	51.6
55	26.8	19.6	29.4
61	25.4	19.6	29.4



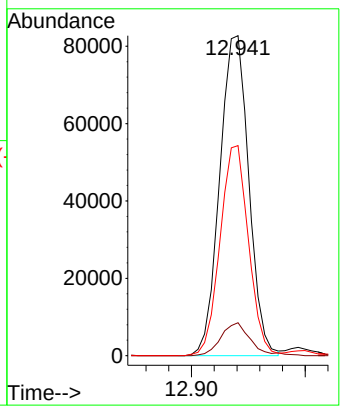


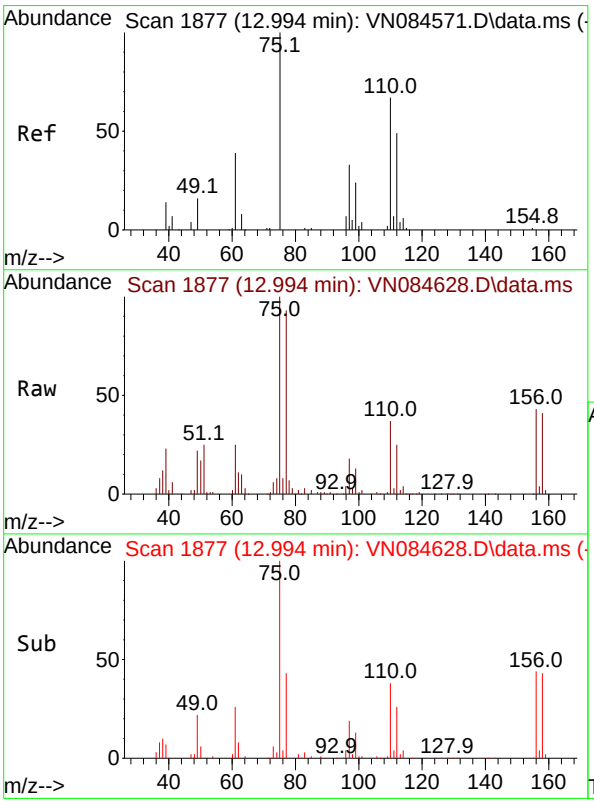
#75
1,1,2,2-Tetrachloroethane
Concen: 46.136 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 147150

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.7
85	64.1	31.9	95.7

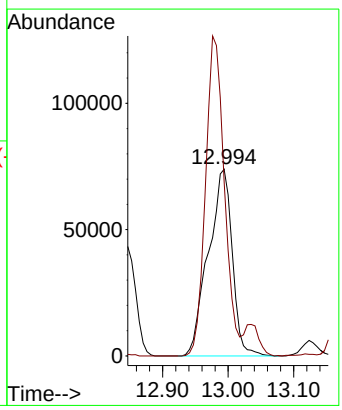


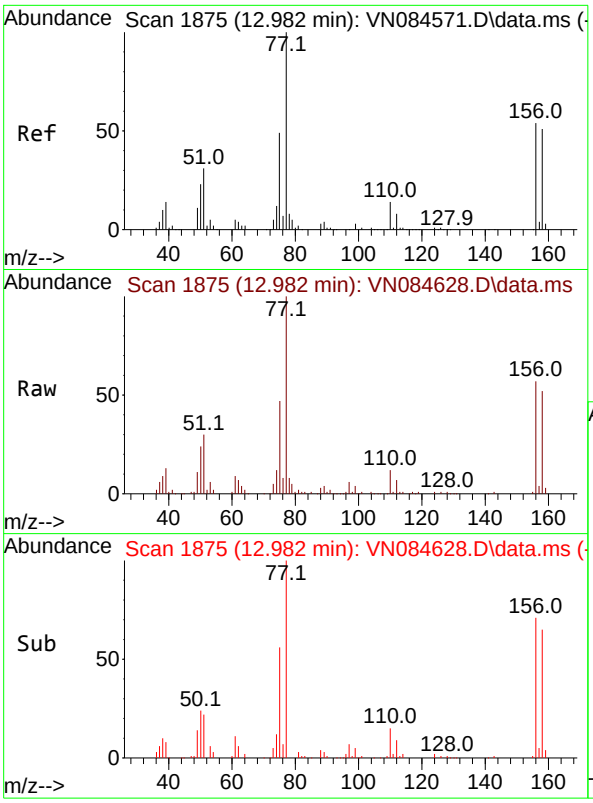


#76
1,2,3-Trichloropropane
Concen: 68.770 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 187445

Ion	Ratio	Lower	Upper
75	100		
77	134.8	96.9	290.7



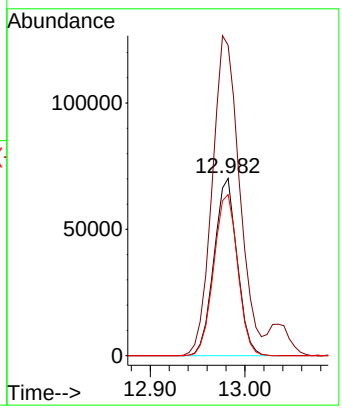


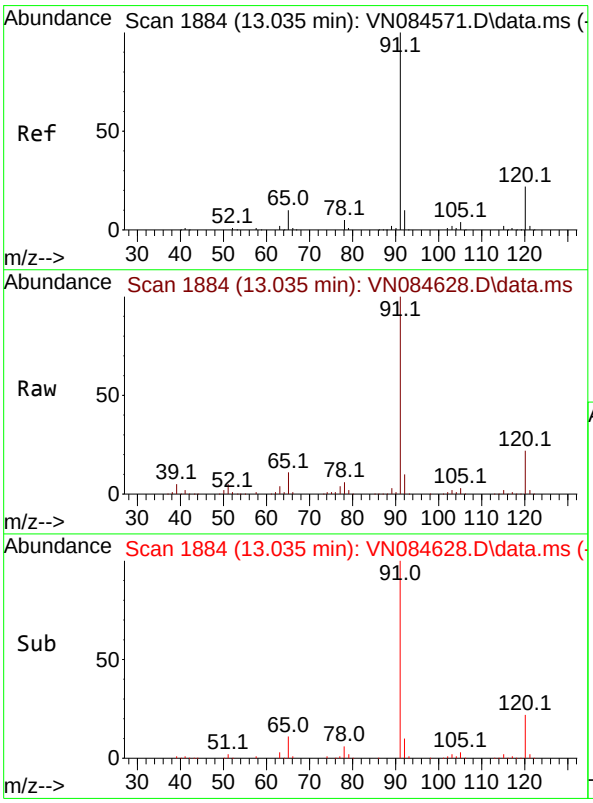
#77
Bromobenzene
Concen: 46.399 ug/l
RT: 12.982 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 119190

Ion	Ratio	Lower	Upper
156	100		
77	212.0	115.1	345.3
158	93.9	48.9	146.8

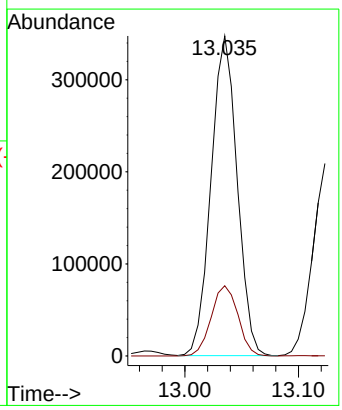


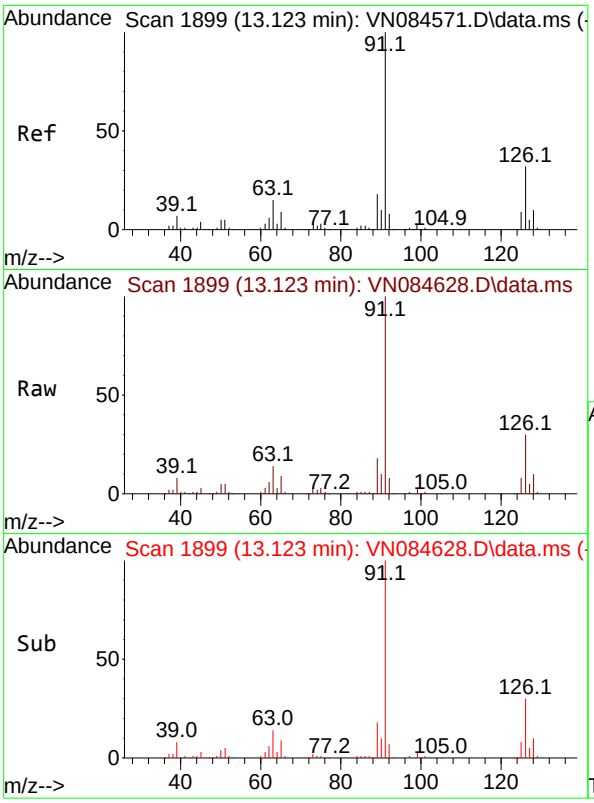


#78
n-propylbenzene
Concen: 49.493 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 554194

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4



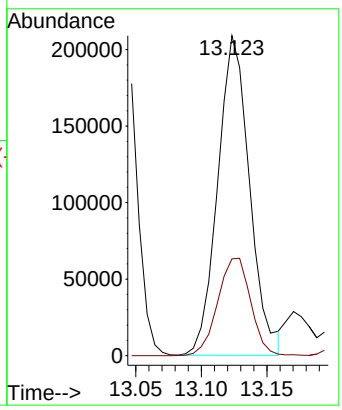


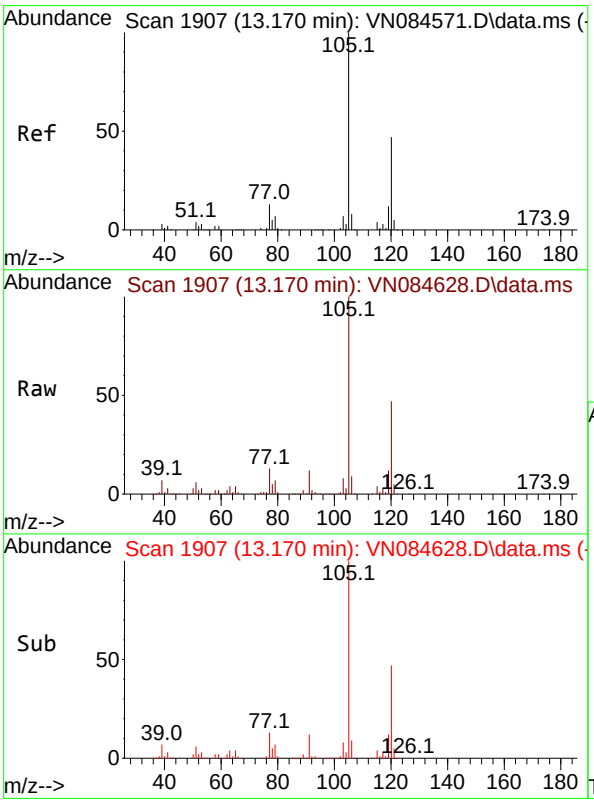
#79
2-Chlorotoluene
Concen: 48.213 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 352750

Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1

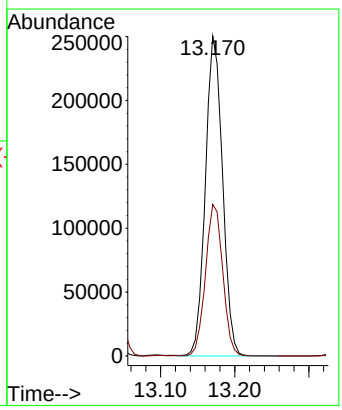


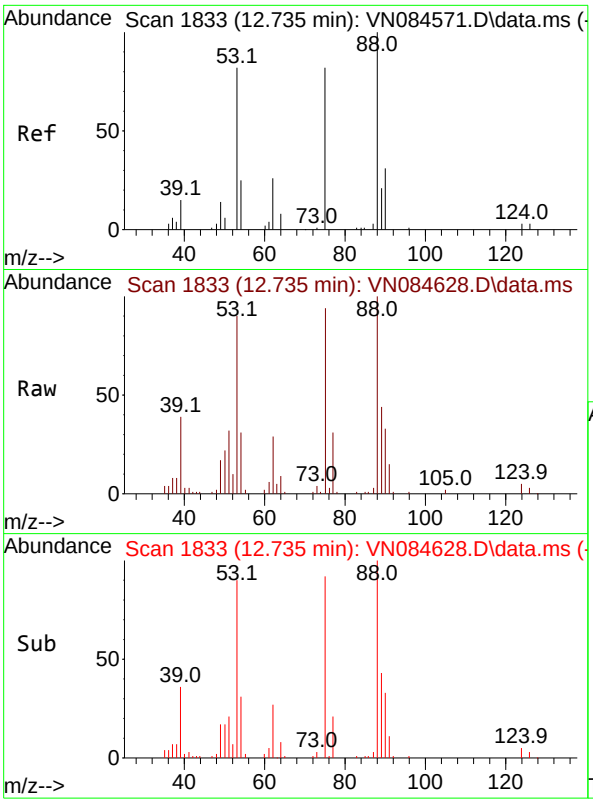


#80
1,3,5-Trimethylbenzene
Concen: 50.871 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 402880

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.7	71.1



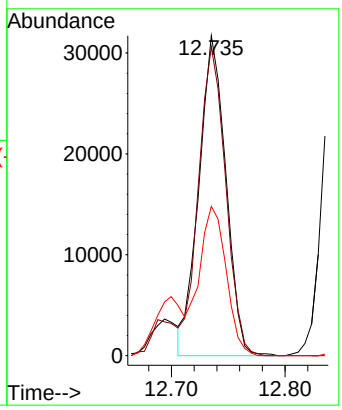


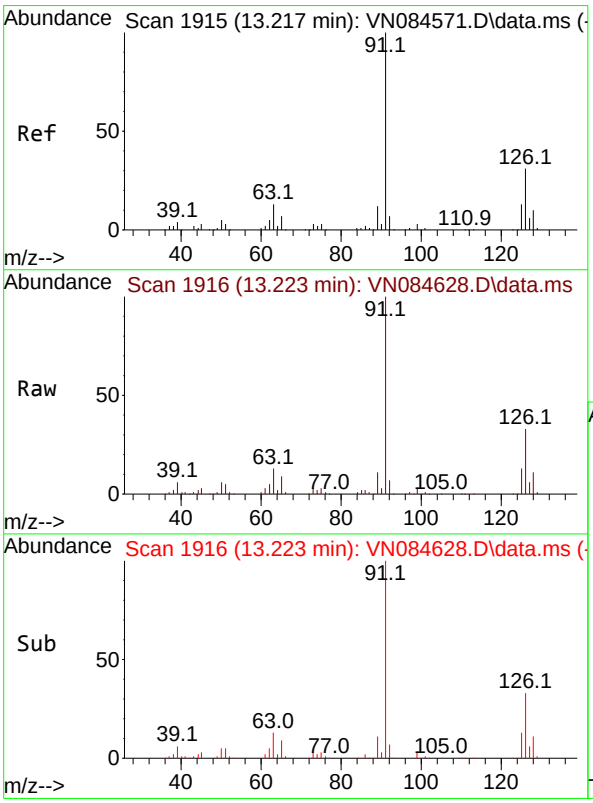
#81
trans-1,4-Dichloro-2-butene
Concen: 45.512 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 52289

Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.0	117.0
89	47.2	35.5	53.3

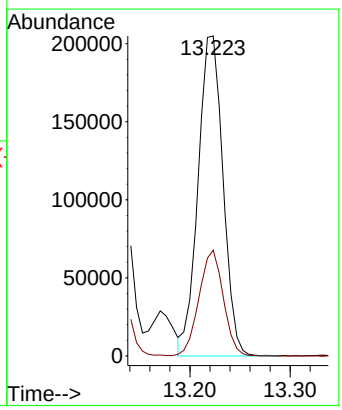


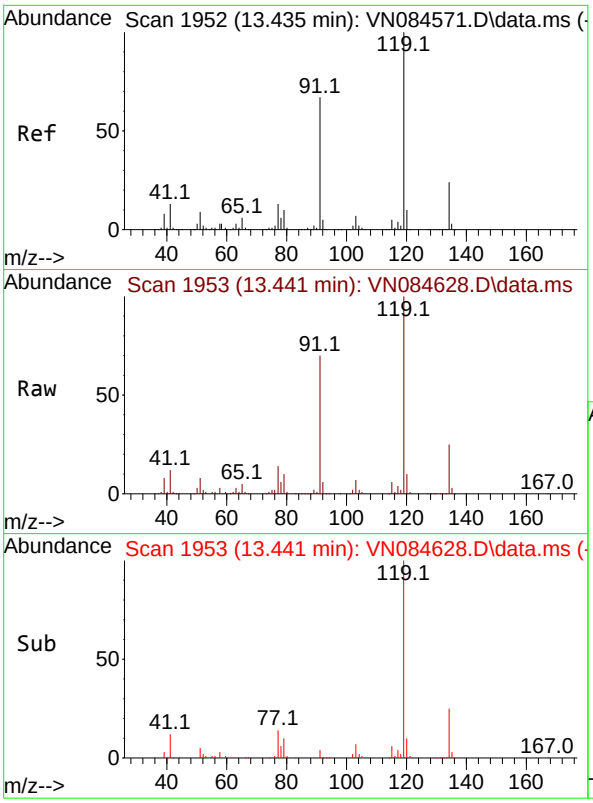


#82
4-Chlorotoluene
Concen: 46.096 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 91 Resp: 354928

Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.7	47.1



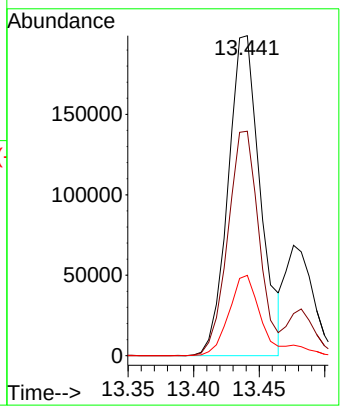


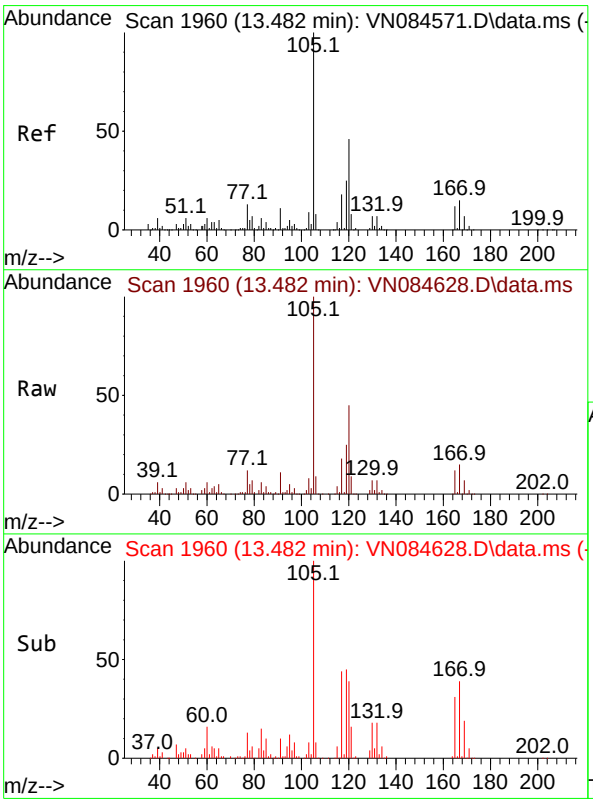
#83
tert-Butylbenzene
Concen: 51.939 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 340435

Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	26.5	12.8	38.4

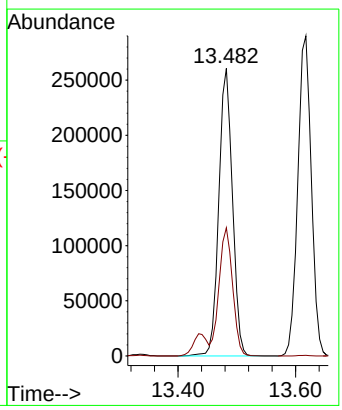


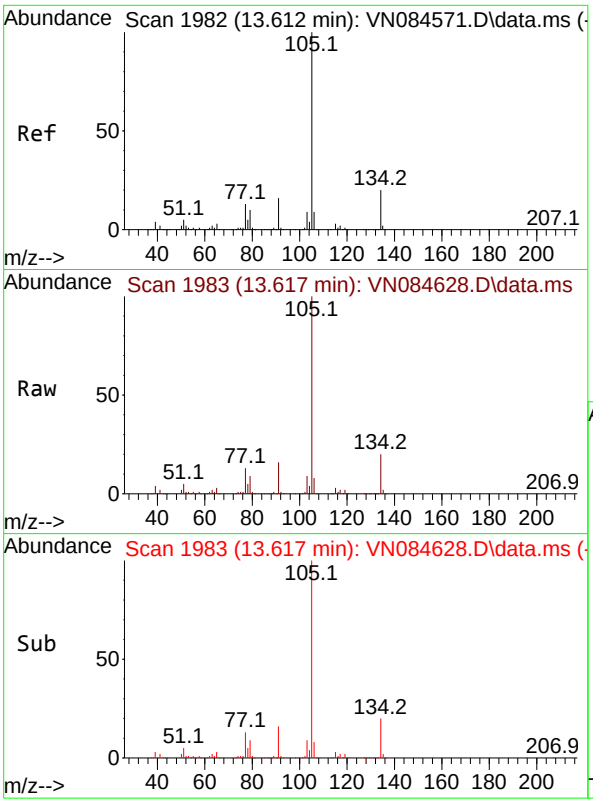


#84
1,2,4-Trimethylbenzene
Concen: 51.171 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:105 Resp: 418264

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.8



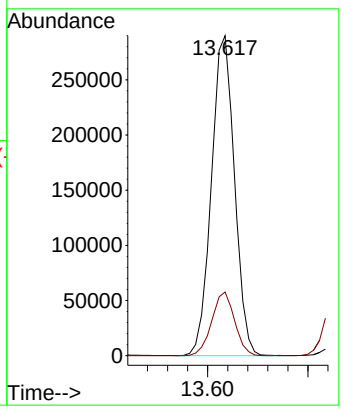


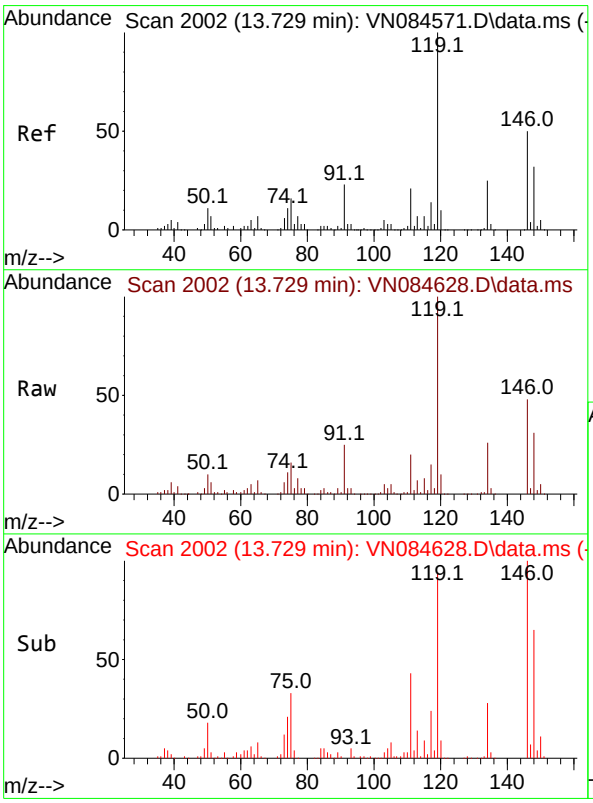
#85
sec-Butylbenzene
Concen: 49.984 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 462789

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

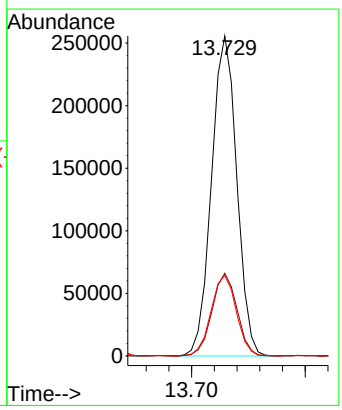


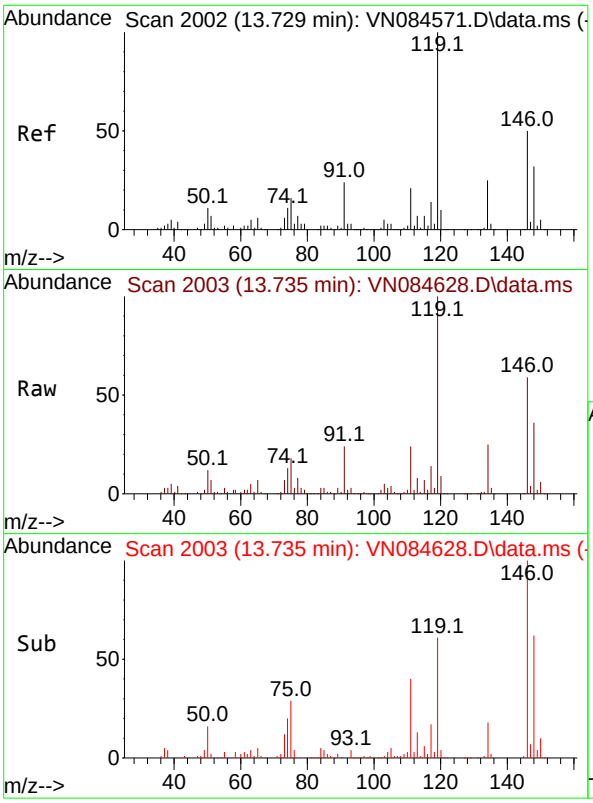


#86
p-Isopropyltoluene
Concen: 52.012 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:119 Resp: 394941

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	25.2	12.4	37.2



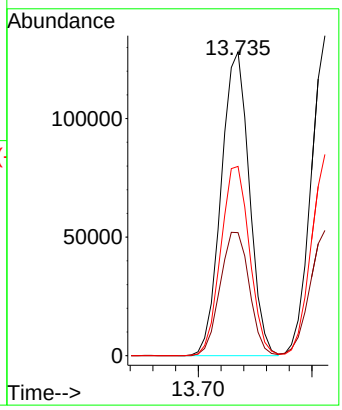


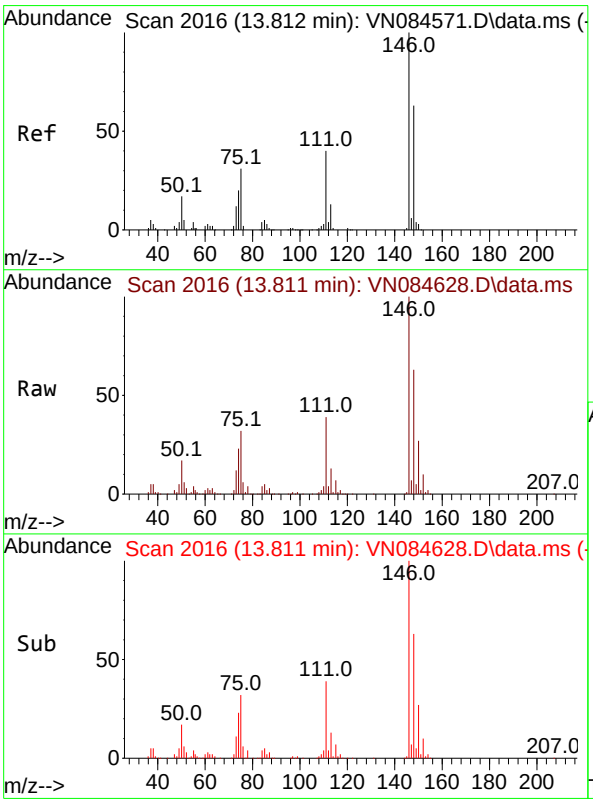
#87
1,3-Dichlorobenzene
Concen: 43.977 ug/l
RT: 13.735 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 220467

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	63.8	31.9	95.7

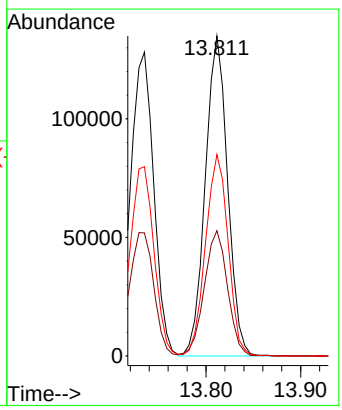


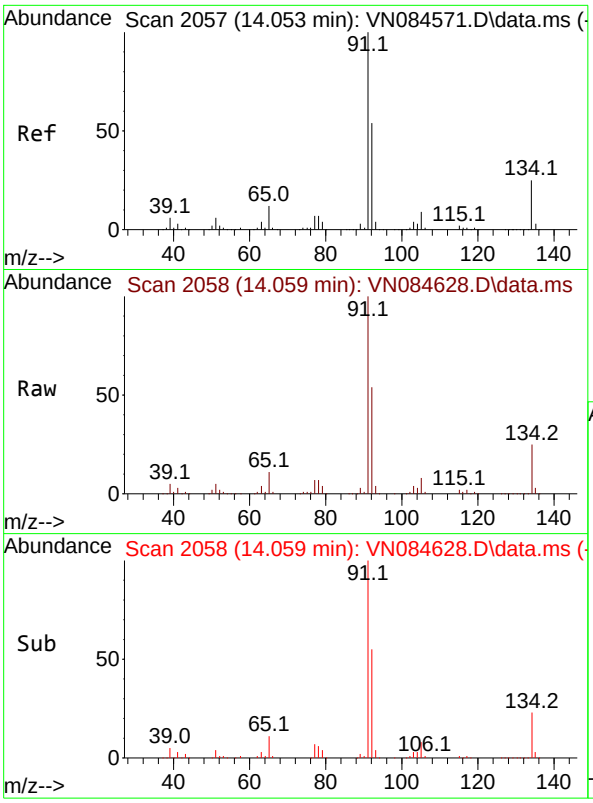


#88
1,4-Dichlorobenzene
Concen: 48.021 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:146 Resp: 221013

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.2	63.6
148	63.5	31.9	95.9



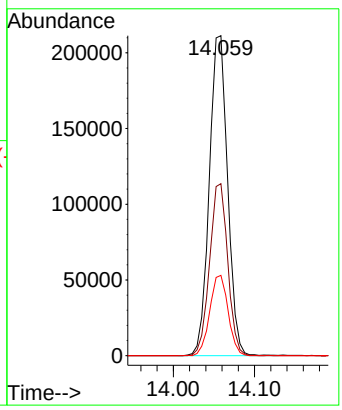


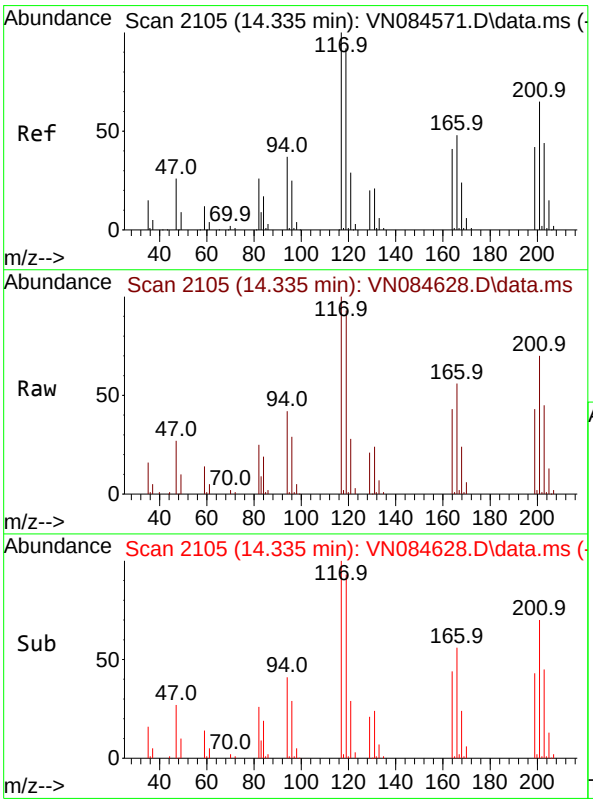
#89
n-Butylbenzene
Concen: 46.517 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 330406

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.7
134	25.2	12.3	36.9

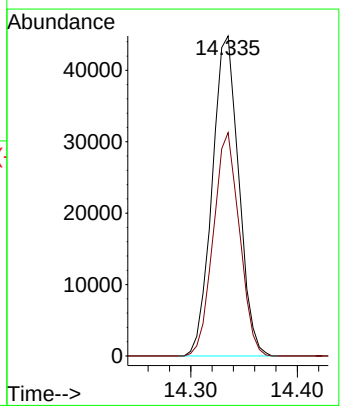


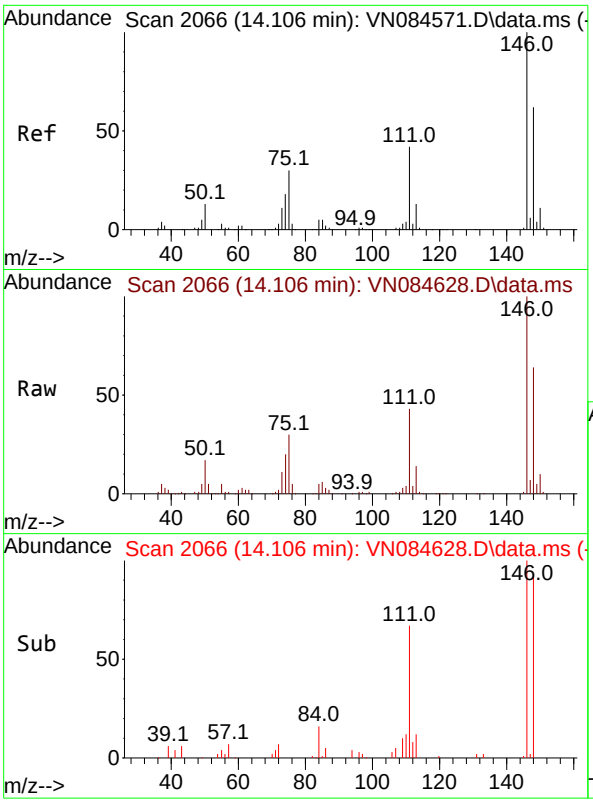


#90
Hexachloroethane
Concen: 45.835 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:117 Resp: 77615

Ion	Ratio	Lower	Upper
117	100		
201	68.6	34.4	103.2



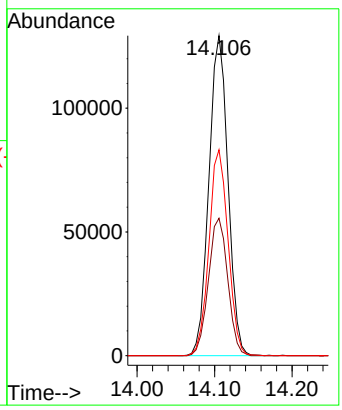


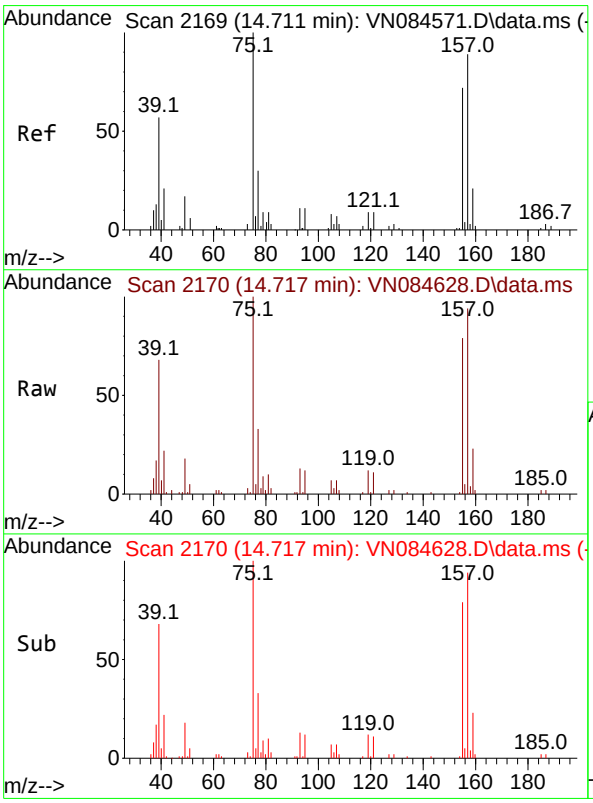
#91
1,2-Dichlorobenzene
Concen: 45.845 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 220854

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.0	66.0
148	64.5	32.1	96.3

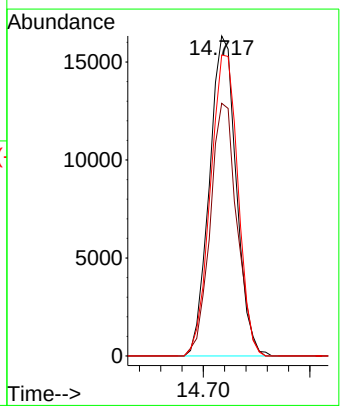


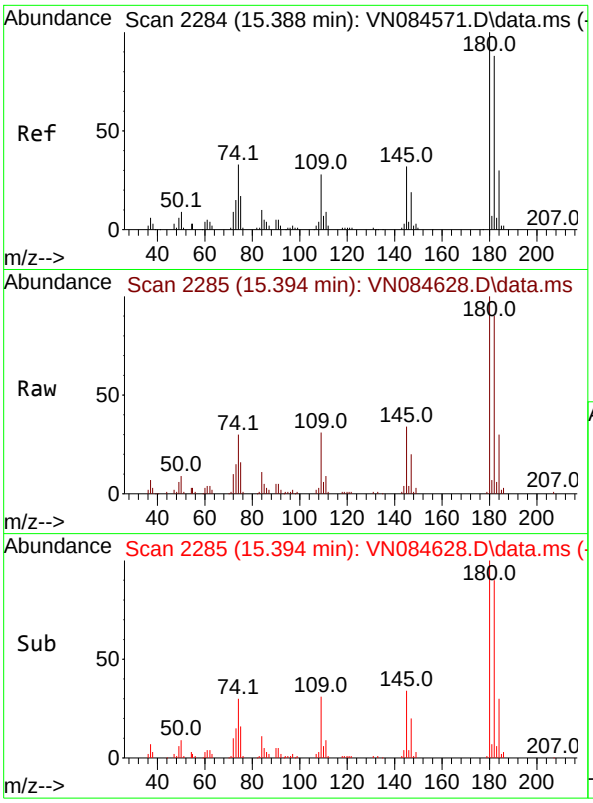


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.085 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion: 75 Resp: 28485

Ion	Ratio	Lower	Upper
75	100		
155	78.7	38.1	114.5
157	96.7	49.6	149.0



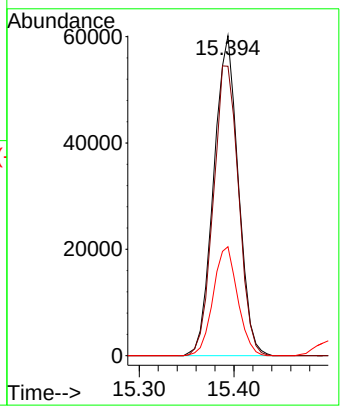


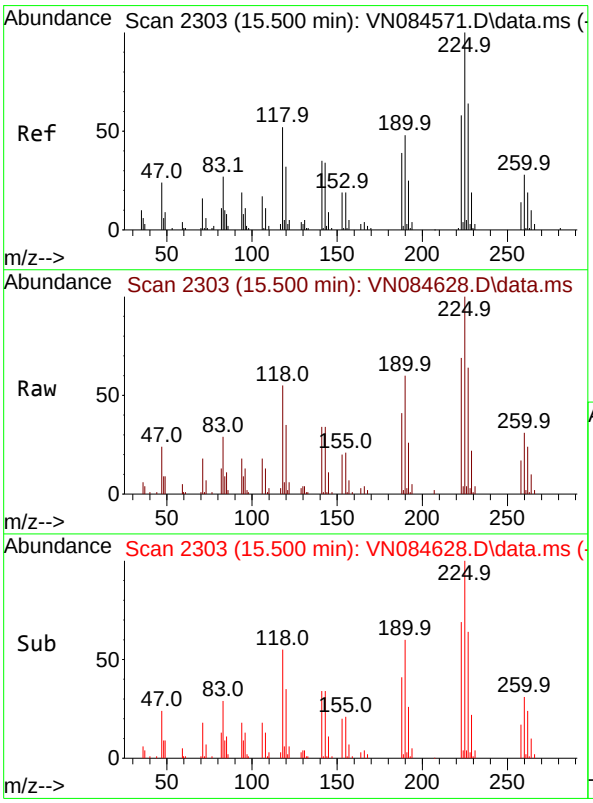
#93
1,2,4-Trichlorobenzene
Concen: 41.167 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 108547

Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.0	141.0
145	33.9	16.4	49.4

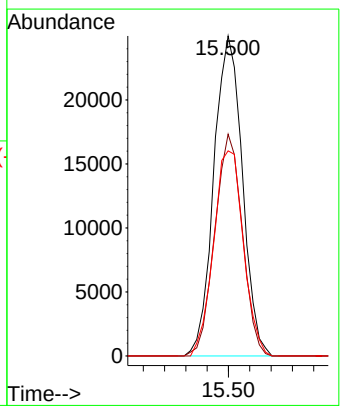


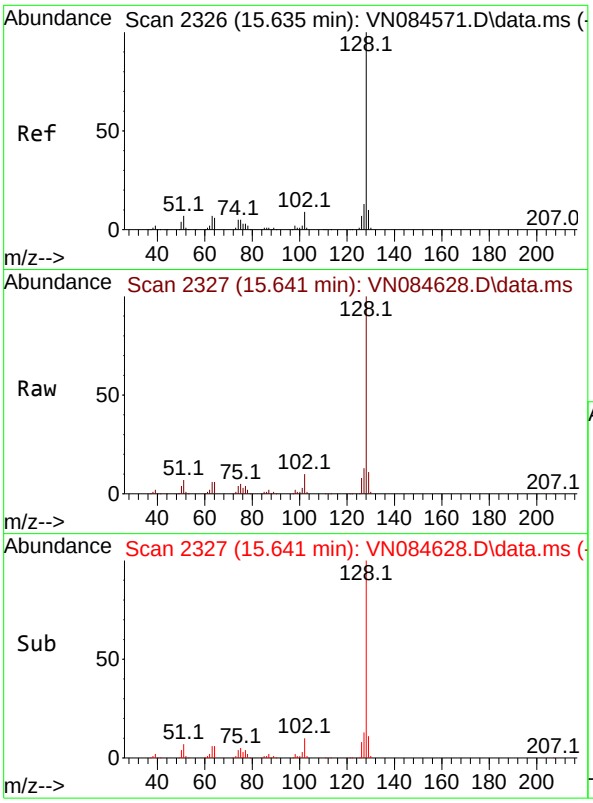


#94
Hexachlorobutadiene
Concen: 40.091 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:225 Resp: 46422

Ion	Ratio	Lower	Upper
225	100		
223	66.9	32.4	97.2
227	67.0	32.4	97.0



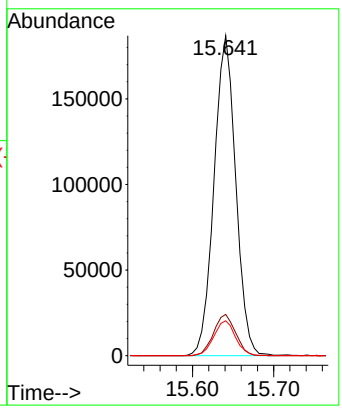


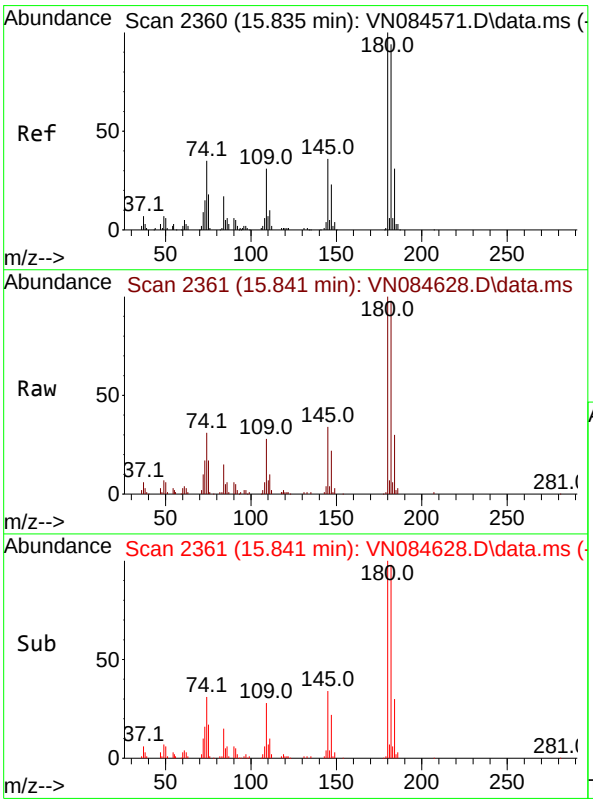
#95
Naphthalene
Concen: 44.063 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 347756

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

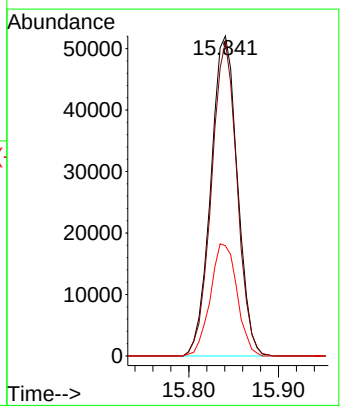




#96
1,2,3-Trichlorobenzene
Concen: 41.757 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084628.D
Acq: 01 Nov 2024 10:22

Tgt Ion:180 Resp: 106880

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.2	144.6
145	35.3	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Quant Time: Nov 04 04:24:13 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	8.224	168	190995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	320452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122248	44.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.640%		
35) Dibromofluoromethane	8.165	113	97927	45.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.300%		
50) Toluene-d8	10.565	98	368236	46.086	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.180%		
62) 4-Bromofluorobenzene	12.847	95	140490	47.047	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	42141	19.193	ug/l	100
3) Chloromethane	2.359	50	46710	16.439	ug/l	100
4) Vinyl Chloride	2.507	62	44544	18.862	ug/l	97
5) Bromomethane	2.901	94	22475	17.963	ug/l	97
6) Chloroethane	3.077	64	27854	18.166	ug/l	99
7) Trichlorofluoromethane	3.471	101	73135	18.800	ug/l	91
8) Diethyl Ether	3.959	74	24492	17.848	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	42530	19.348	ug/l	97
10) Methyl Iodide	4.583	142	53226	18.118	ug/l	96
11) Tert butyl alcohol	5.542	59	31560	86.672	ug/l	97
12) 1,1-Dichloroethene	4.330	96	38487	17.695	ug/l	98
13) Acrolein	4.177	56	36832	101.438	ug/l	98
14) Allyl chloride	5.018	41	65987	18.707	ug/l	91
15) Acrylonitrile	5.718	53	103209	97.908	ug/l	98
16) Acetone	4.436	43	77869	95.962	ug/l	97
17) Carbon Disulfide	4.700	76	112044	16.728	ug/l	98
18) Methyl Acetate	5.024	43	54615	16.052	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	127569	19.135	ug/l	94
20) Methylene Chloride	5.271	84	46004	18.961	ug/l	82
21) trans-1,2-Dichloroethene	5.777	96	41275	18.481	ug/l	96
22) Diisopropyl ether	6.671	45	136454	19.469	ug/l	98
23) Vinyl Acetate	6.600	43	469366	97.108	ug/l	97
24) 1,1-Dichloroethane	6.565	63	80215	19.063	ug/l	98
25) 2-Butanone	7.477	43	124468	96.713	ug/l	98
26) 2,2-Dichloropropane	7.489	77	70266	19.185	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	48039	18.421	ug/l	98
28) Bromochloromethane	7.806	49	36023	21.487	ug/l	93
29) Tetrahydrofuran	7.836	42	84907	99.446	ug/l	97
30) Chloroform	7.965	83	83941	19.599	ug/l	97
31) Cyclohexane	8.253	56	69789	18.324	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	75478	19.362	ug/l	98
36) 1,1-Dichloropropene	8.365	75	54975	18.275	ug/l	99
37) Ethyl Acetate	7.559	43	55210	20.228	ug/l	97
38) Carbon Tetrachloride	8.359	117	66382	19.742	ug/l	98
39) Methylcyclohexane	9.600	83	56415	18.434	ug/l	98
40) Benzene	8.606	78	181197	18.756	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Quant Time: Nov 04 04:24:13 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)
41) Methacrylonitrile	7.777	41	30555	20.818	ug/l		97
42) 1,2-Dichloroethane	8.665	62	60923	19.472	ug/l		100
43) Isopropyl Acetate	8.688	43	91436	17.507	ug/l		97
44) Trichloroethene	9.347	130	41099	18.446	ug/l		100
45) 1,2-Dichloropropane	9.618	63	43224	19.073	ug/l		99
46) Dibromomethane	9.706	93	30391	19.005	ug/l		96
47) Bromodichloromethane	9.888	83	64821	19.230	ug/l	#	96
48) Methyl methacrylate	9.677	41	42680	20.092	ug/l		98
49) 1,4-Dioxane	9.694	88	15461	410.740	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	272747	104.826	ug/l		99
52) Toluene	10.630	92	113778	20.137	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	61679	17.677	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	69008	18.686	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	42540	19.987	ug/l		95
56) Ethyl methacrylate	10.877	69	62329	20.246	ug/l		97
57) 1,3-Dichloropropane	11.159	76	71264	19.510	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137645	95.550	ug/l		99
59) 2-Hexanone	11.194	43	201434	106.361	ug/l		99
60) Dibromochloromethane	11.359	129	49329	20.336	ug/l		100
61) 1,2-Dibromoethane	11.465	107	41441	19.014	ug/l		100
64) Tetrachloroethene	11.106	164	35660	18.628	ug/l		99
65) Chlorobenzene	11.888	112	117685	18.278	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	42403	18.934	ug/l		99
67) Ethyl Benzene	11.965	91	202367	18.829	ug/l		98
68) m/p-Xylenes	12.071	106	158415	38.934	ug/l		99
69) o-Xylene	12.394	106	75949	19.953	ug/l		98
70) Styrene	12.412	104	128771	19.394	ug/l		99
71) Bromoform	12.576	173	31965	18.968	ug/l	#	97
73) Isopropylbenzene	12.694	105	190126	18.450	ug/l		99
74) N-amyl acetate	12.494	43	79438	18.112	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	62261	18.101	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	78842	26.822	ug/l		60
77) Bromobenzene	12.982	156	48929	17.662	ug/l		93
78) n-propylbenzene	13.035	91	220072	18.224	ug/l		98
79) 2-Chlorotoluene	13.123	91	145506	18.441	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	164177	19.222	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	24782	20.001	ug/l	#	84
82) 4-Chlorotoluene	13.218	91	146733	17.670	ug/l		98
83) tert-Butylbenzene	13.435	119	138949	19.657	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169251	19.200	ug/l		99
85) sec-Butylbenzene	13.618	105	185297	18.558	ug/l		100
86) p-Isopropyltoluene	13.729	119	157950	19.288	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	91095	16.849	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	89211	17.266	ug/l		99
89) n-Butylbenzene	14.059	91	126030	16.453	ug/l		99
90) Hexachloroethane	14.335	117	31832	17.431	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	88346	17.005	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12487	17.920	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	41786	14.695	ug/l		98
94) Hexachlorobutadiene	15.500	225	19729	15.799	ug/l		98
95) Naphthalene	15.641	128	130709	15.357	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	42159	15.273	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Quant Time: Nov 04 04:24:13 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)

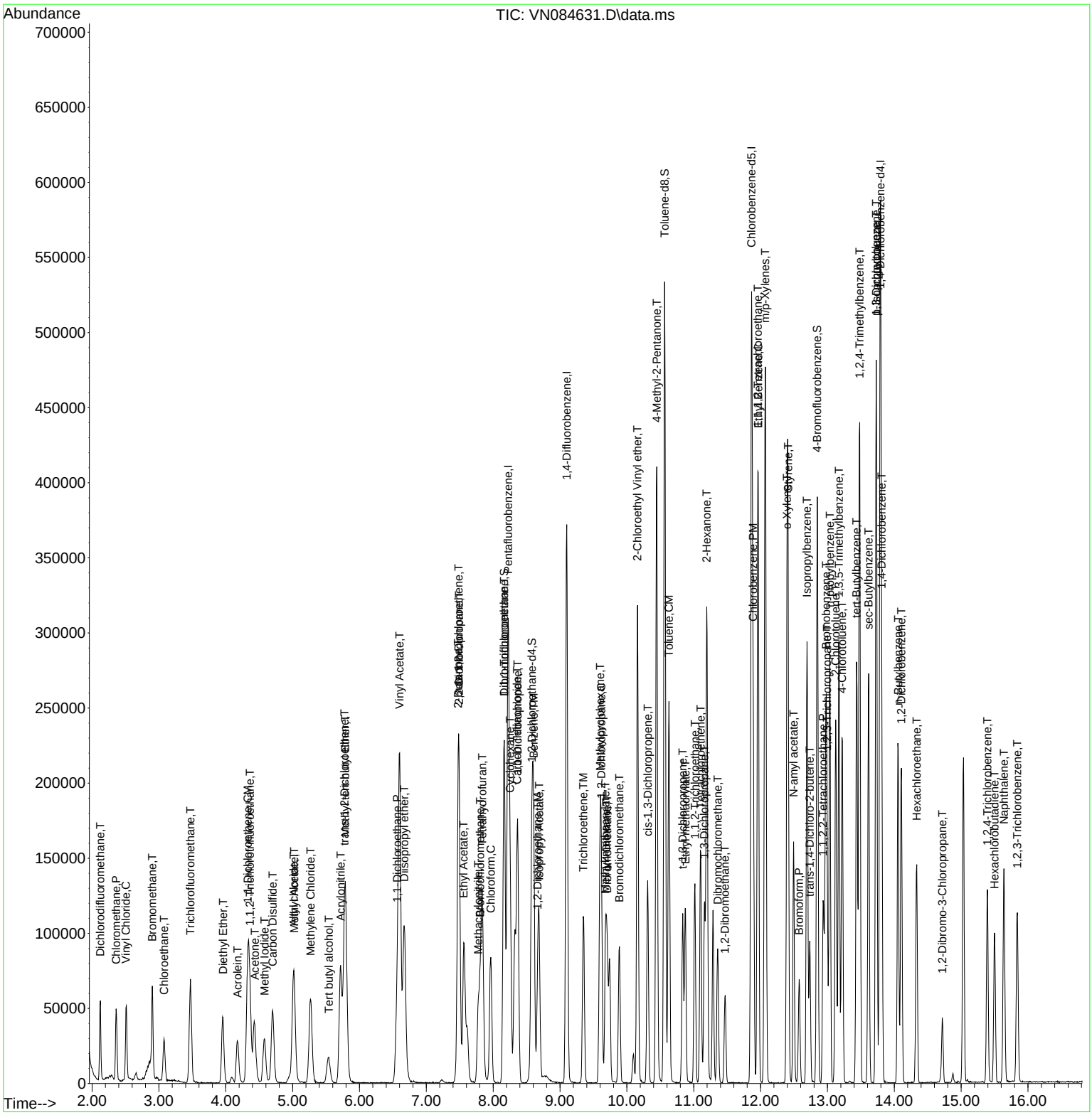
(#) = qualifier out of range (m) = manual integration (+) = signals summed

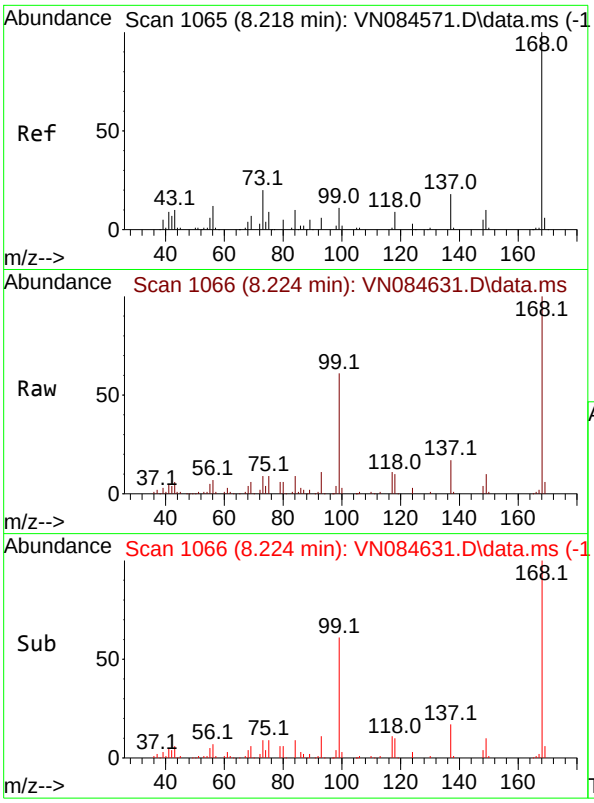
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084631.D
Acq On : 01 Nov 2024 12:08
Operator : JC\MD
Sample : VN1101WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Quant Time: Nov 04 04:24:13 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



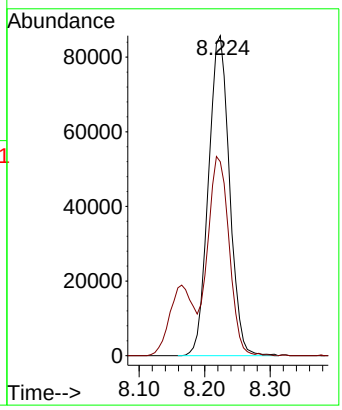


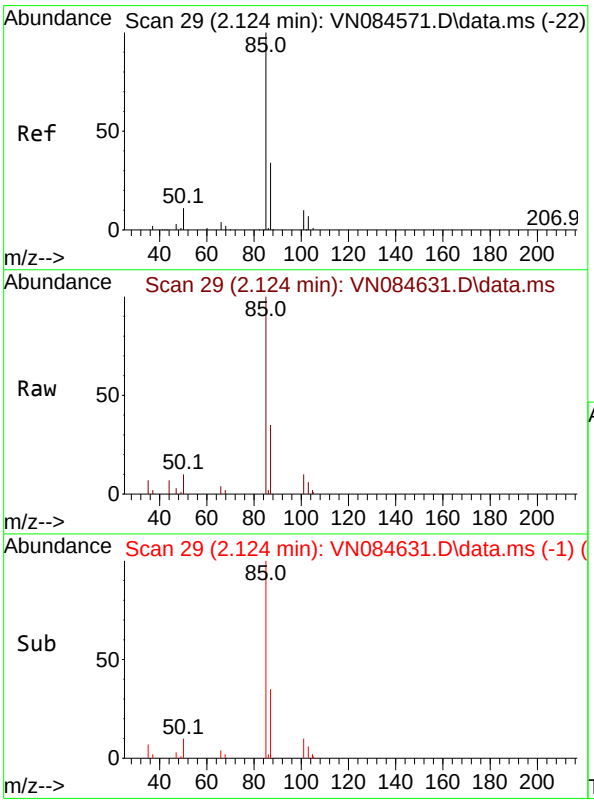
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:168 Resp: 190995

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

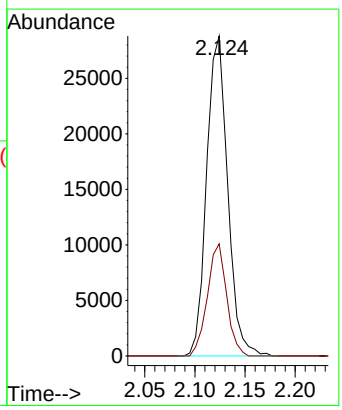


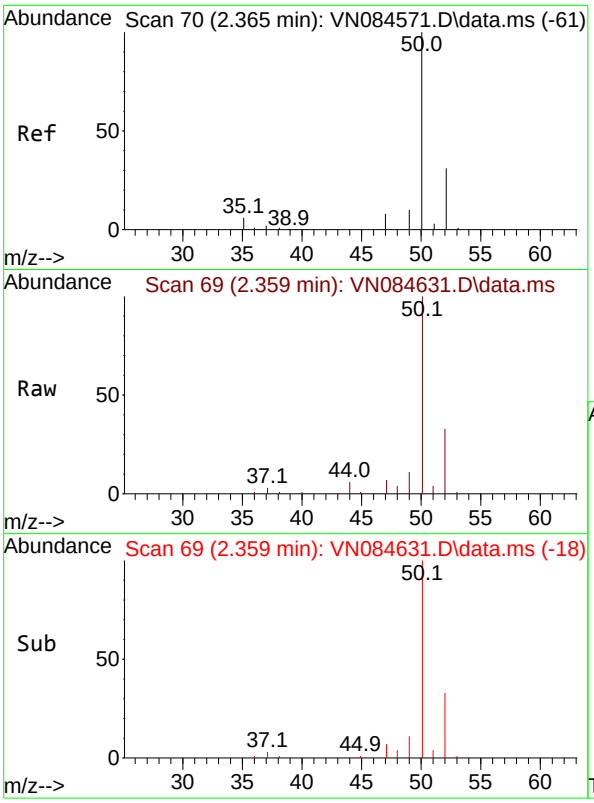


#2
Dichlorodifluoromethane
Concen: 19.193 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 85 Resp: 42141

Ion	Ratio	Lower	Upper
85	100		
87	35.1	17.6	52.9



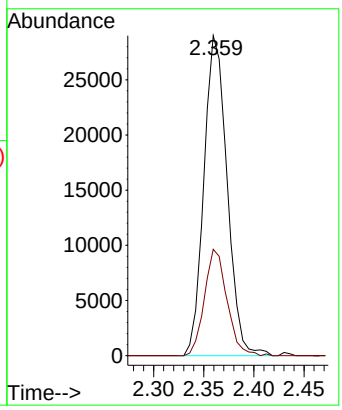


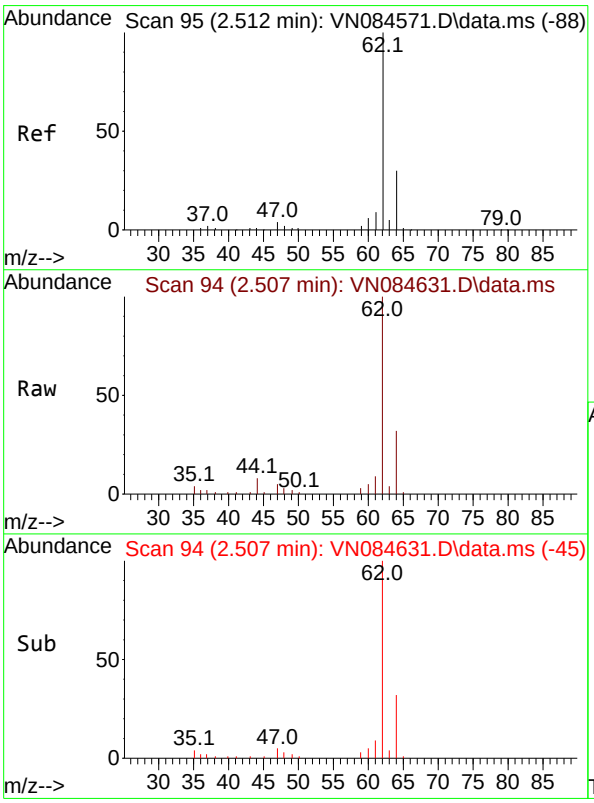
#3
Chloromethane
Concen: 16.439 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 50 Resp: 46710

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2

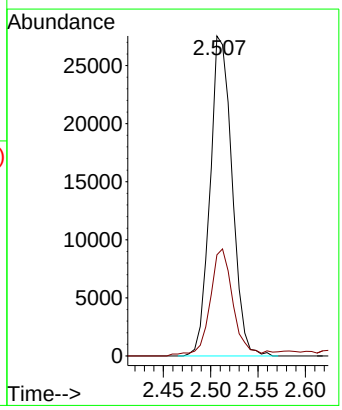


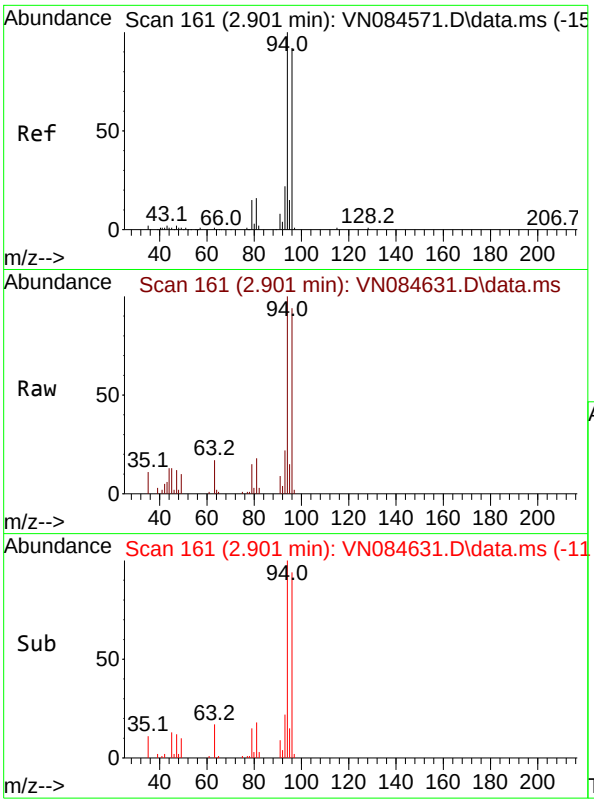


#4
Vinyl Chloride
Concen: 18.862 ug/l
RT: 2.507 min Scan# 94
Delta R.T. -0.011 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 62 Resp: 44544

Ion	Ratio	Lower	Upper
62	100		
64	31.0	26.2	39.4



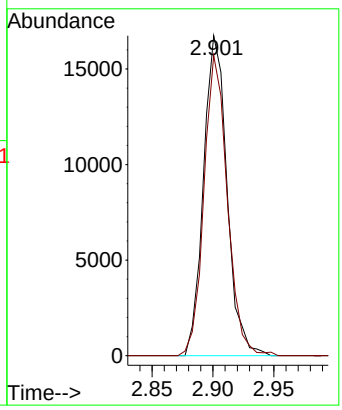


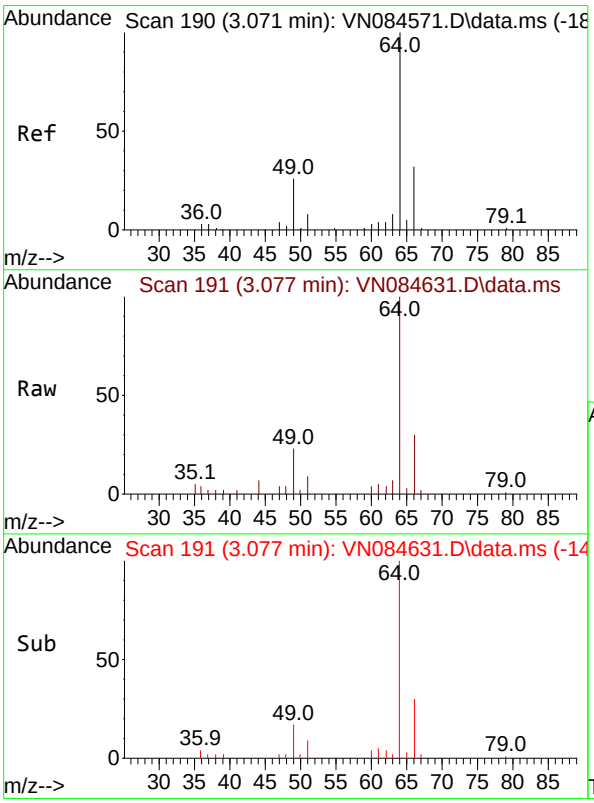
#5
Bromomethane
Concen: 17.963 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 94 Resp: 22475

Ion	Ratio	Lower	Upper
94	100		
96	93.8	72.9	109.3

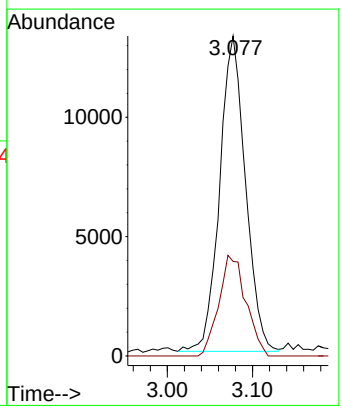


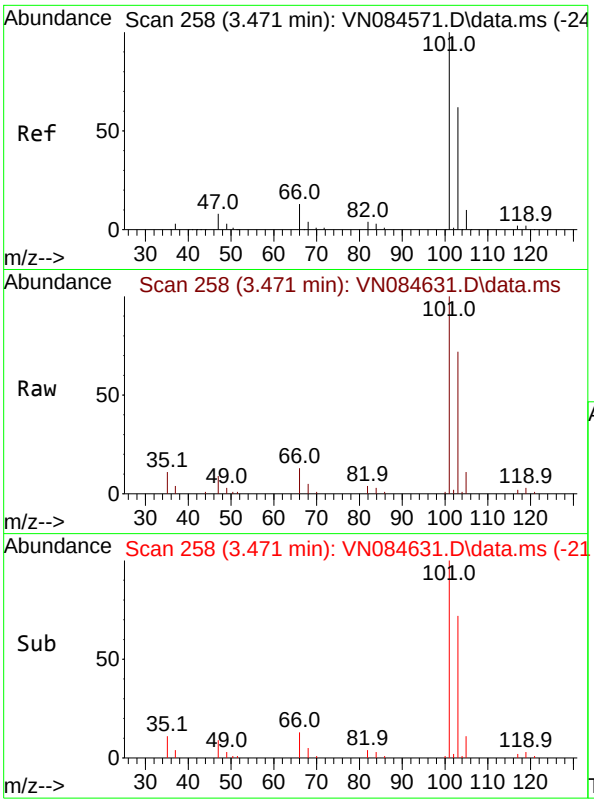


#6
Chloroethane
Concen: 18.166 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 64 Resp: 27854

Ion	Ratio	Lower	Upper
64	100		
66	30.0	23.5	35.3



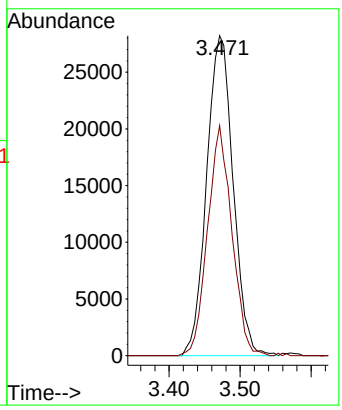


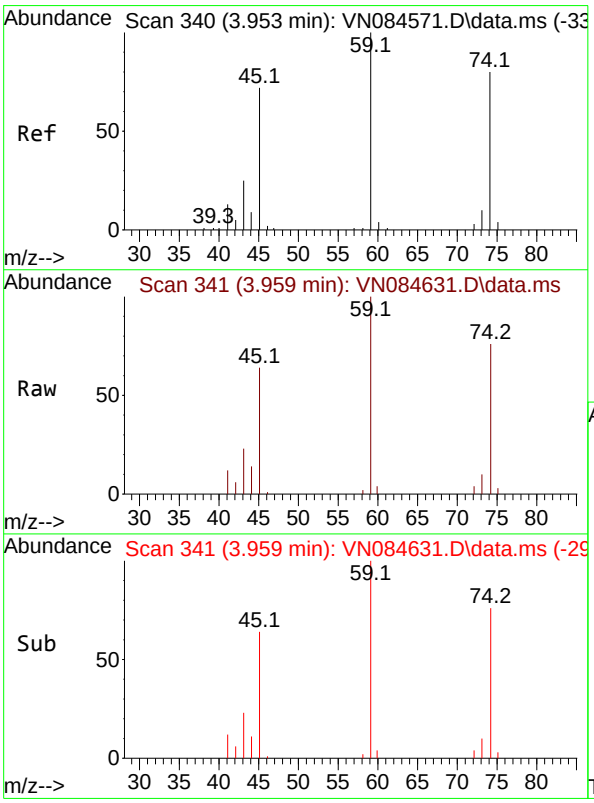
#7
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.471 min Scan# 2
Delta R.T. -0.024 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:101 Resp: 73135

Ion	Ratio	Lower	Upper
101	100		
103	71.9	51.8	77.6

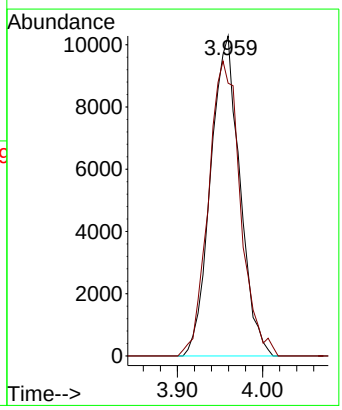


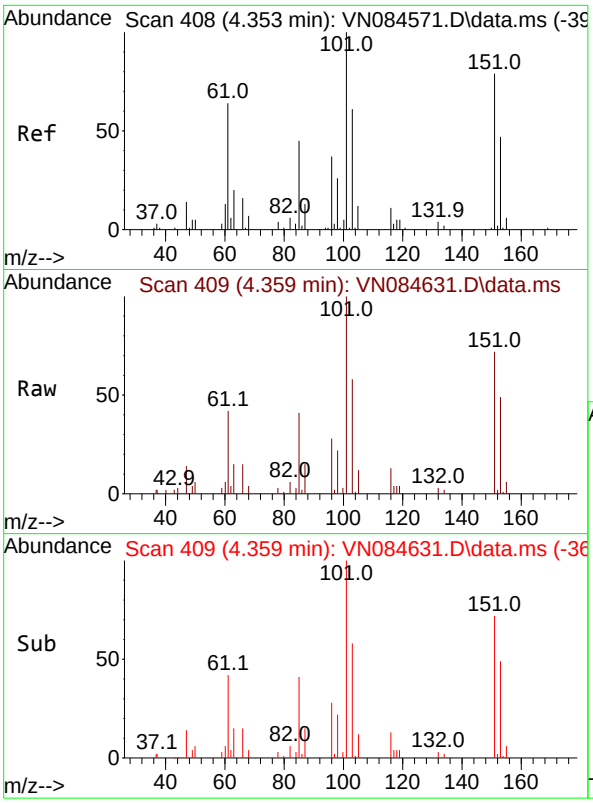


#8
Diethyl Ether
Concen: 17.848 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 74 Resp: 24492

Ion	Ratio	Lower	Upper
74	100		
45	100.7	47.7	143.1



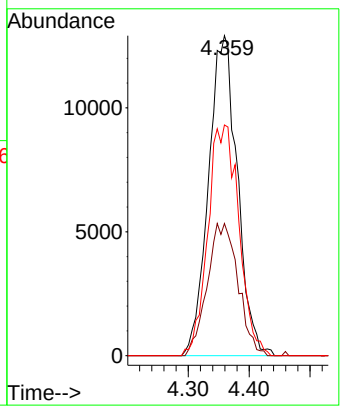


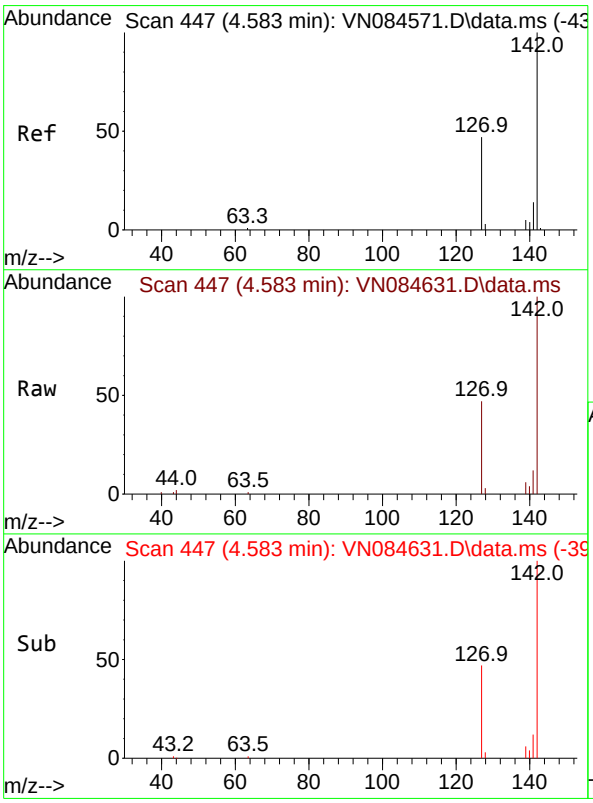
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.348 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:101 Resp: 42530

Ion	Ratio	Lower	Upper
101	100		
85	44.1	36.2	54.4
151	77.3	59.3	88.9

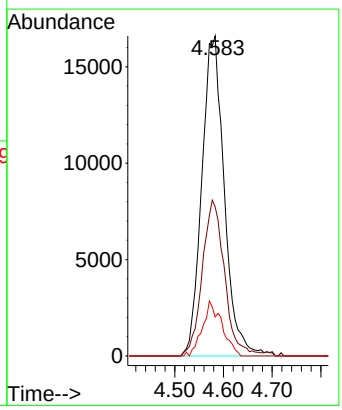


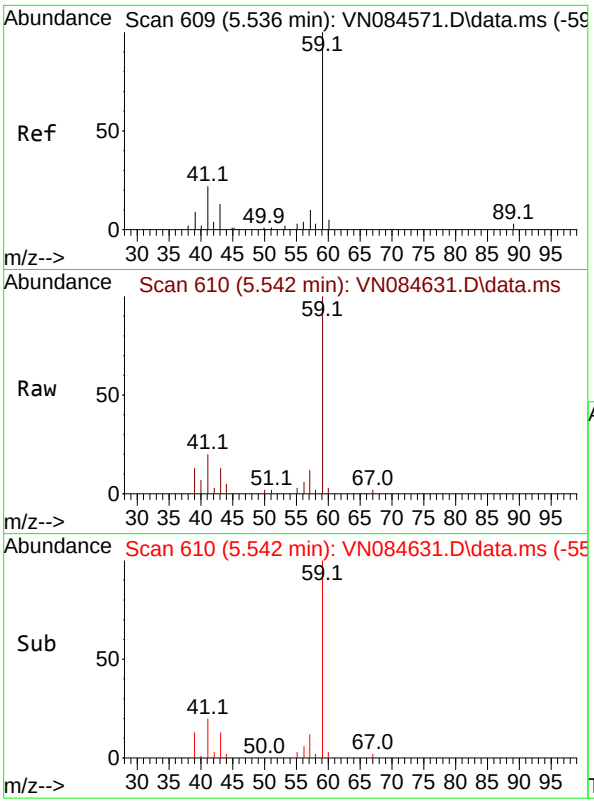


#10
Methyl Iodide
Concen: 18.118 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:142 Resp: 53226

Ion	Ratio	Lower	Upper
142	100		
127	46.6	35.3	52.9
141	12.2	11.0	16.6



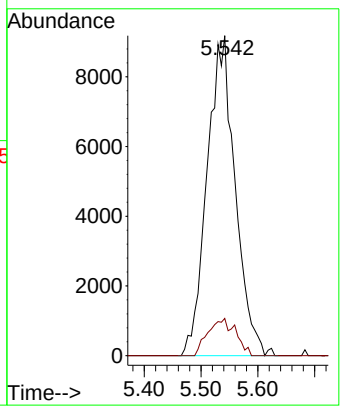


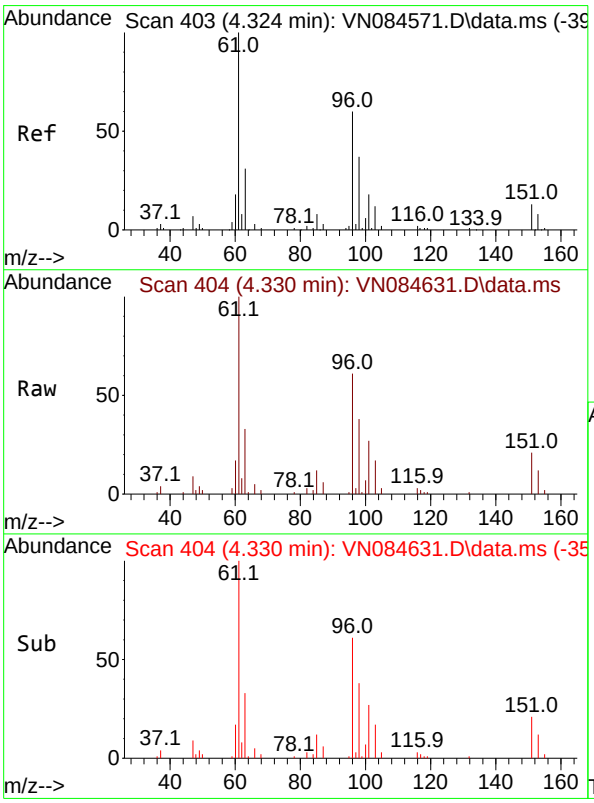
#11
Tert butyl alcohol
Concen: 86.672 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 59 Resp: 31560

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.2

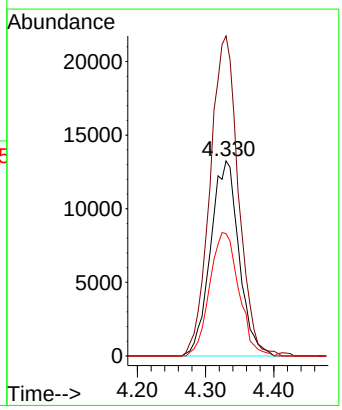


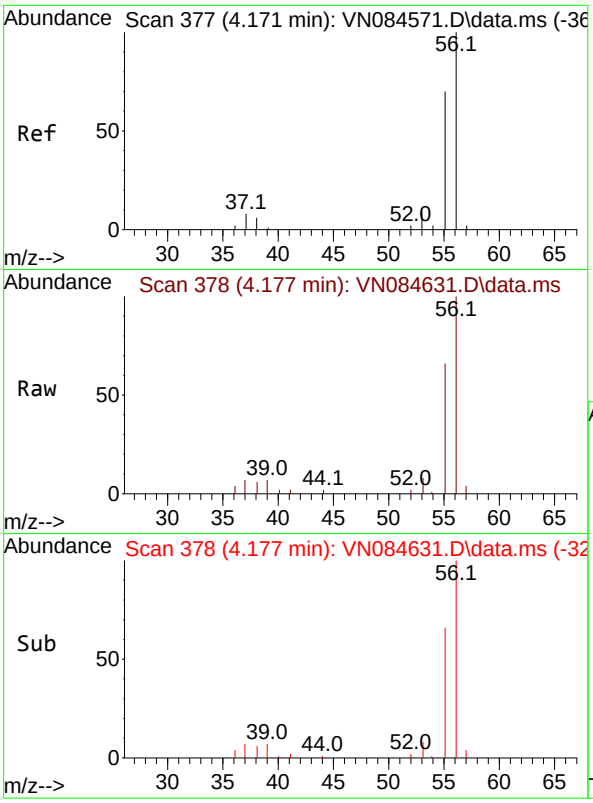


#12
1,1-Dichloroethene
Concen: 17.695 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 96 Resp: 38487

Ion	Ratio	Lower	Upper
96	100		
61	164.1	128.6	192.8
98	62.8	51.7	77.5



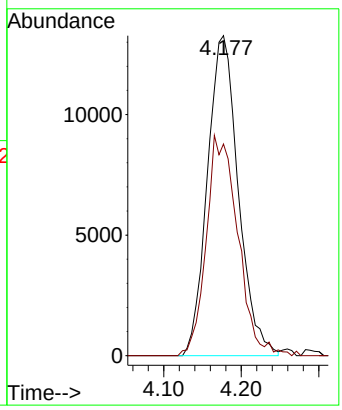


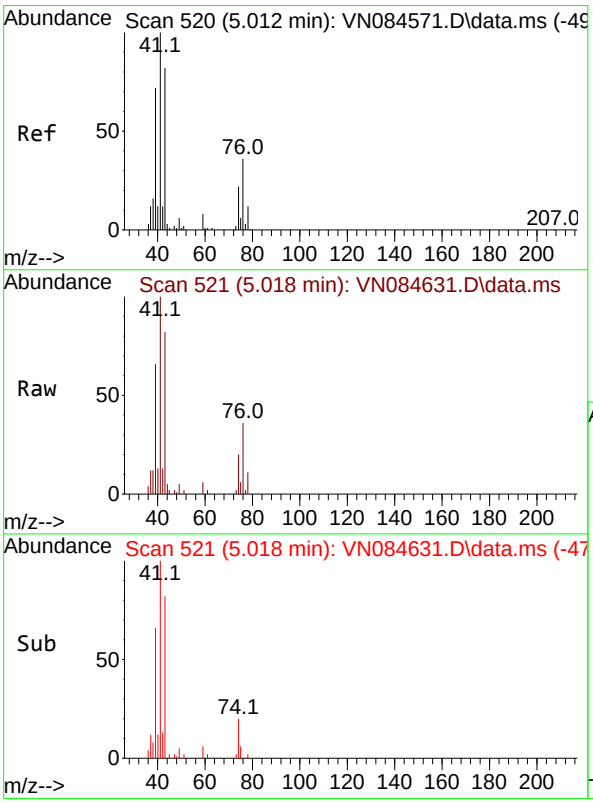
#13
Acrolein
Concen: 101.438 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 56 Resp: 36832

Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.2	85.8

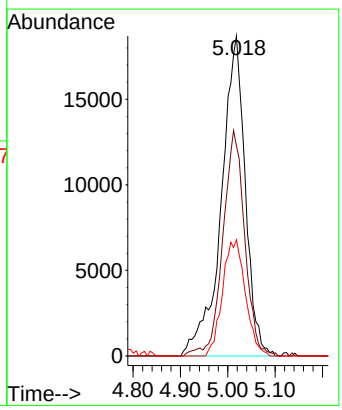


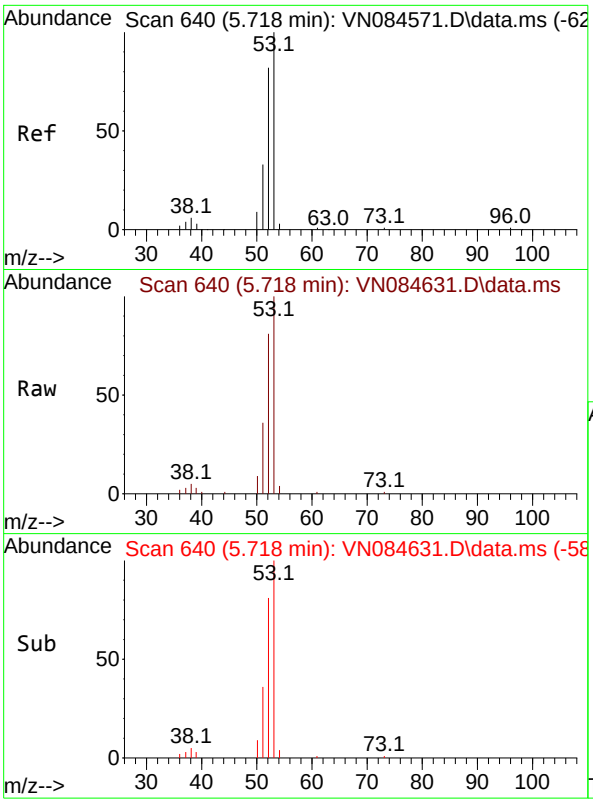


#14
Allyl chloride
Concen: 18.707 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 41 Resp: 65987

Ion	Ratio	Lower	Upper
41	100		
39	64.0	59.0	88.6
76	34.5	29.8	44.6



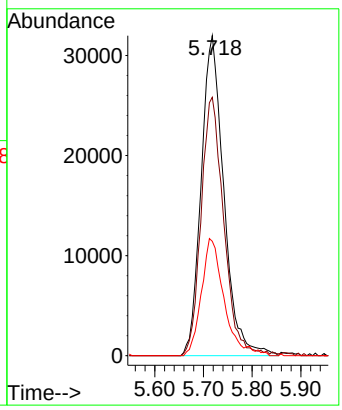


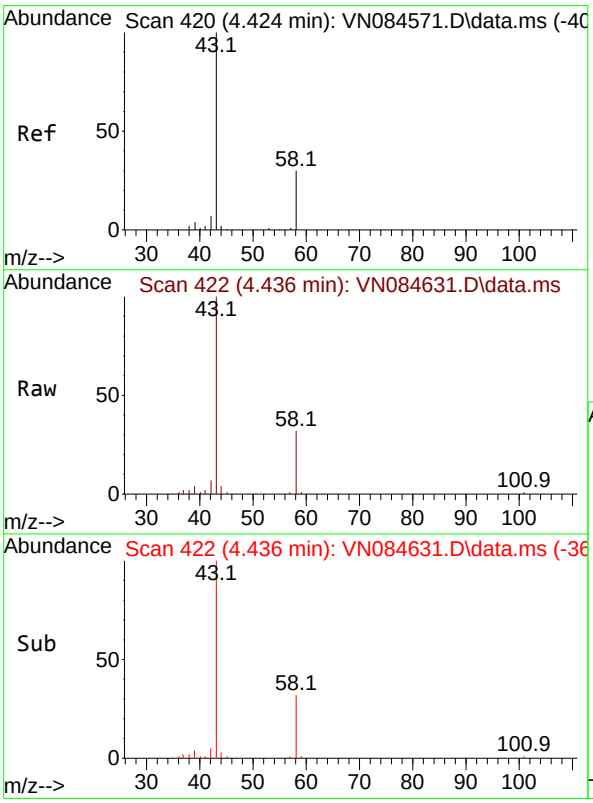
#15
Acrylonitrile
Concen: 97.908 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 53 Resp: 103209

Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.4
51	36.8	28.8	43.2

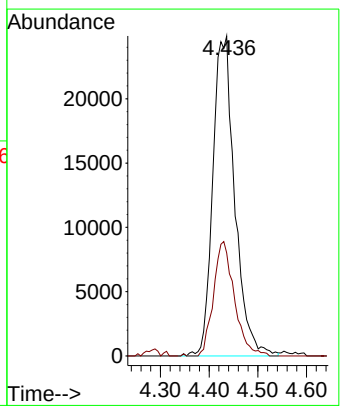


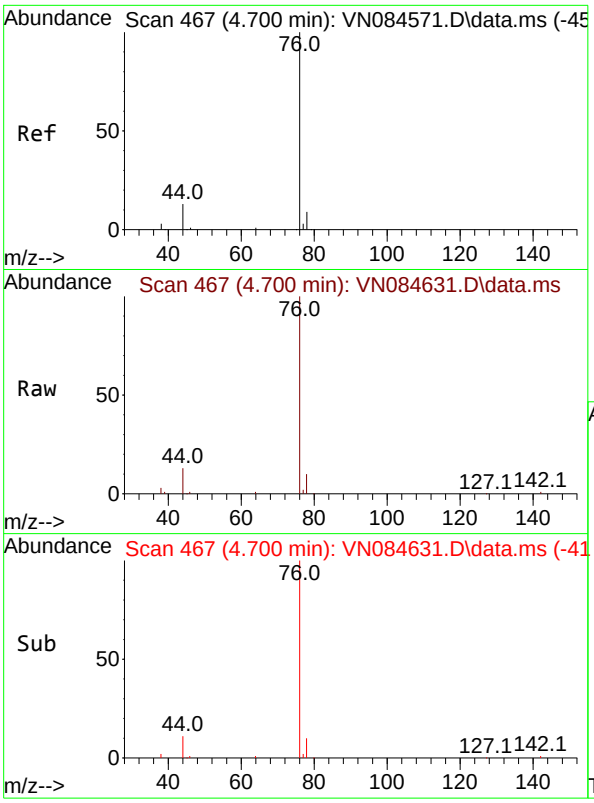


#16
Acetone
Concen: 95.962 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 77869

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.4	36.6



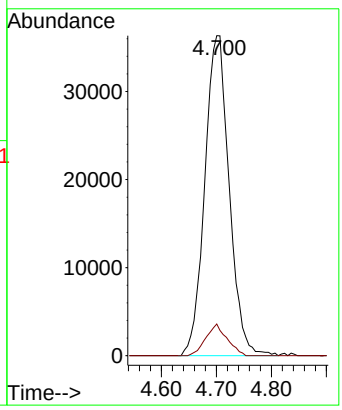


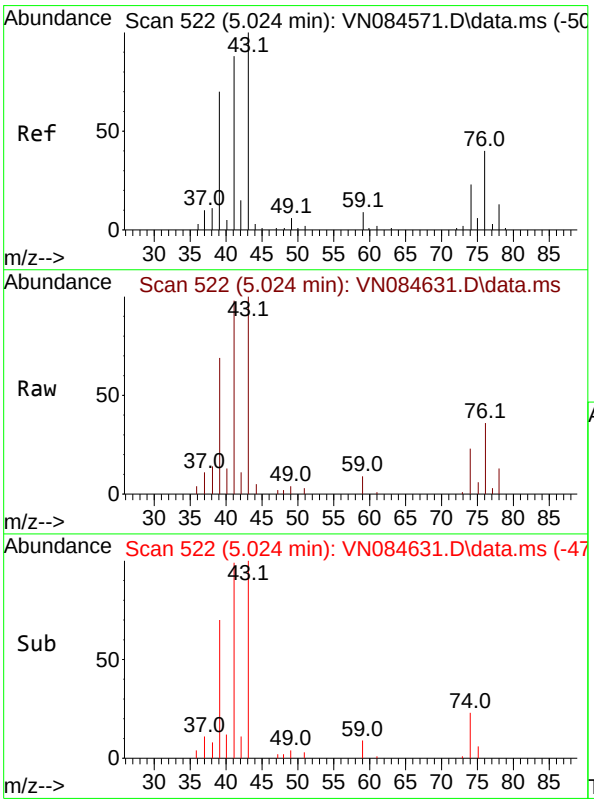
#17
Carbon Disulfide
Concen: 16.728 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.011 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 76 Resp: 112044

Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.3	10.9

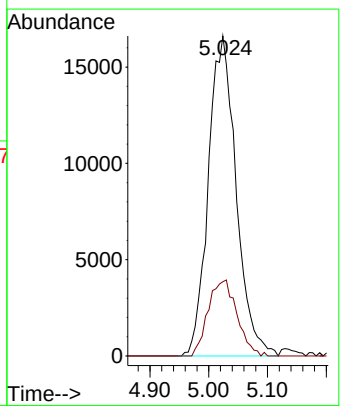


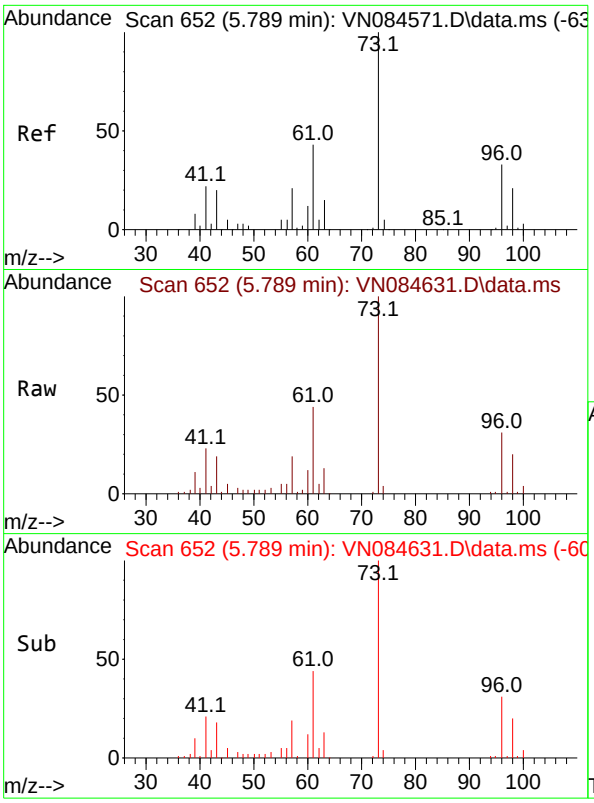


#18
Methyl Acetate
Concen: 16.052 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 54615

Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.2	28.8



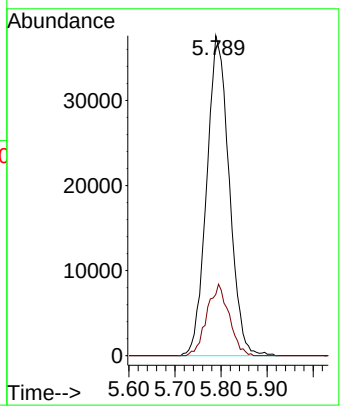


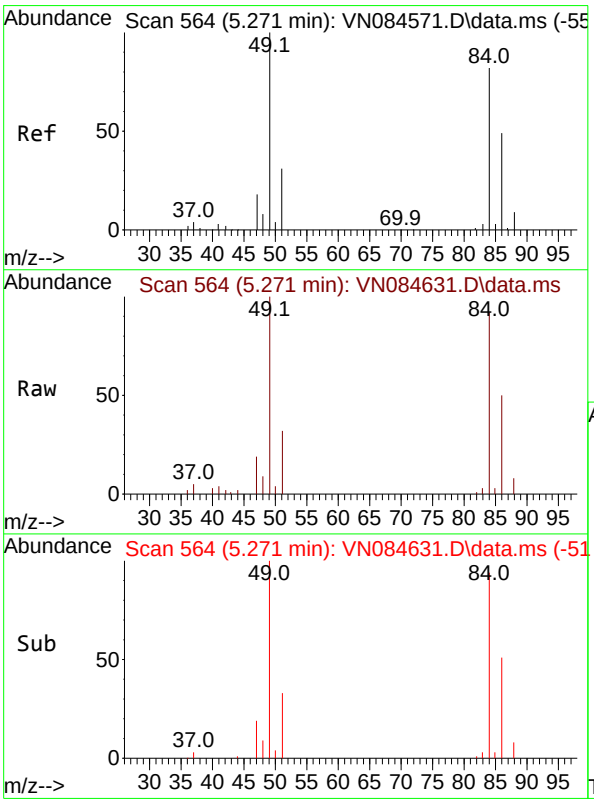
#19
Methyl tert-butyl Ether
Concen: 19.135 ug/l
RT: 5.789 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 73 Resp: 127569

Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.7	26.5

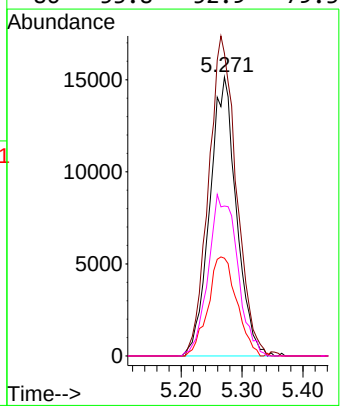


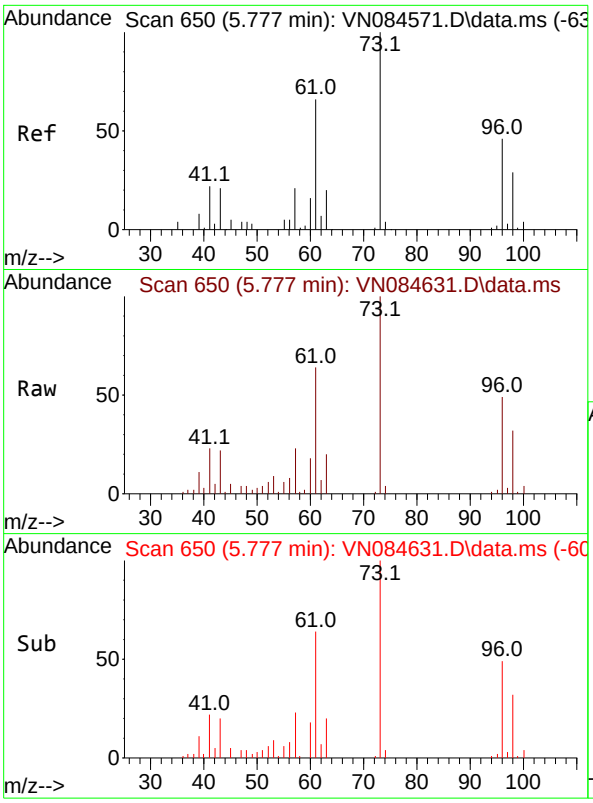


#20
Methylene Chloride
Concen: 18.961 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 84 Resp: 46004

Ion	Ratio	Lower	Upper
84	100		
49	108.5	107.2	160.8
51	35.0	31.8	47.8
86	53.8	52.9	79.3



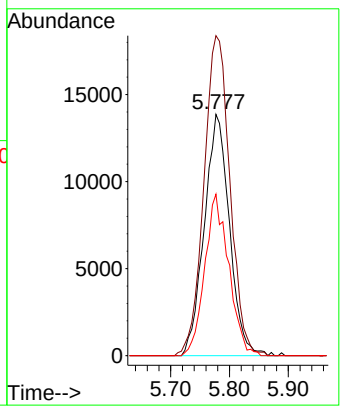


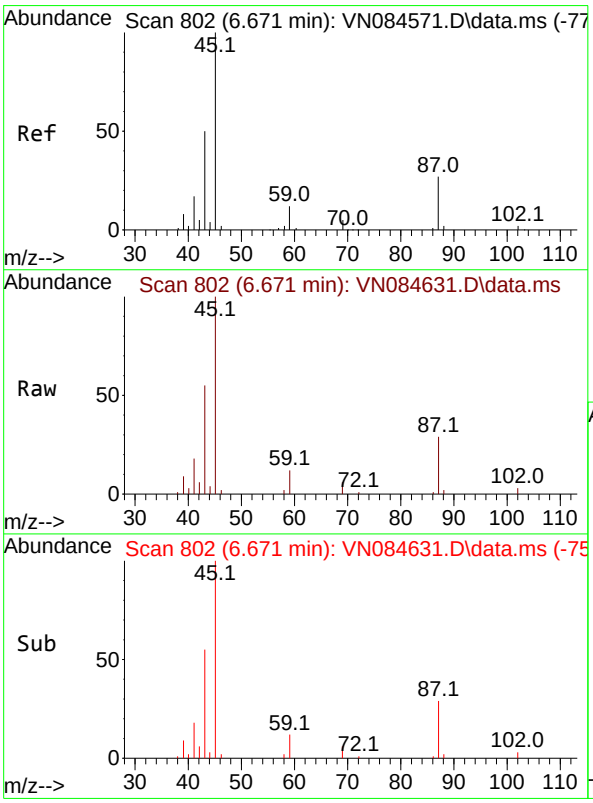
#21
trans-1,2-Dichloroethene
Concen: 18.481 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 96 Resp: 41275

Ion	Ratio	Lower	Upper
96	100		
61	132.6	108.4	162.6
98	66.9	49.8	74.8

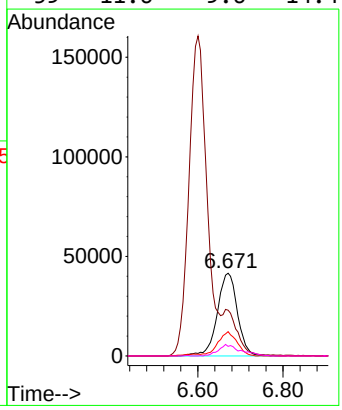


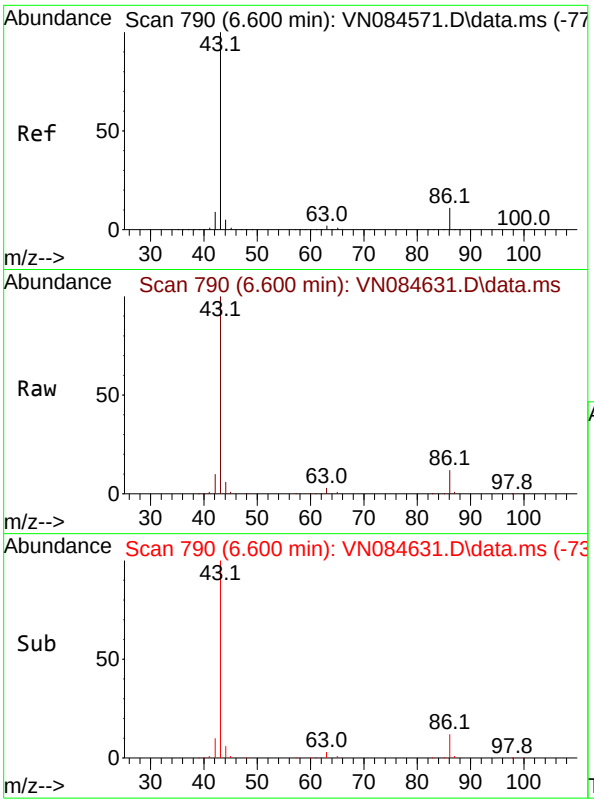


#22
Diisopropyl ether
Concen: 19.469 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 45 Resp: 136454

Ion	Ratio	Lower	Upper
45	100		
43	54.2	42.3	63.5
87	29.4	21.8	32.6
59	11.6	9.6	14.4



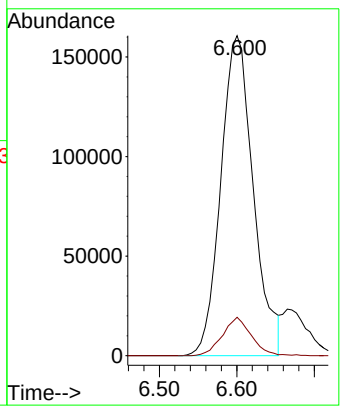


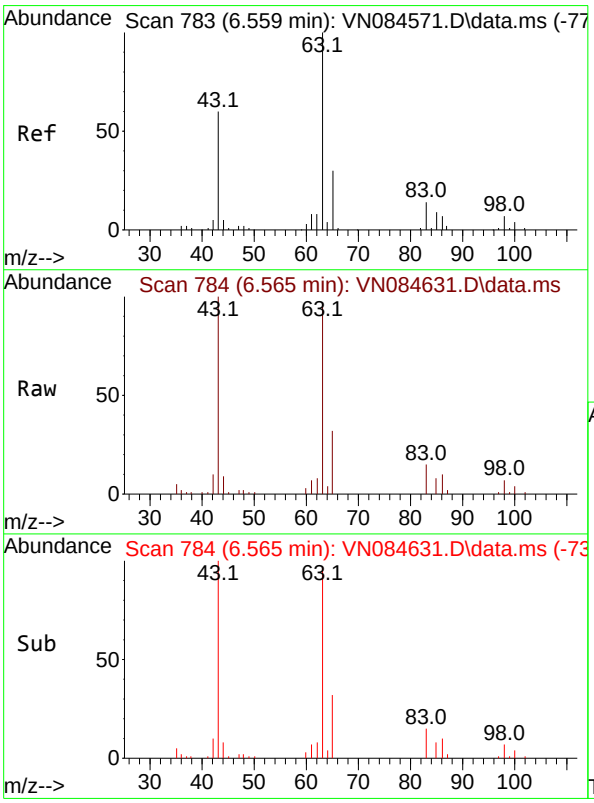
#23
Vinyl Acetate
Concen: 97.108 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 469366

Ion	Ratio	Lower	Upper
43	100		
86	12.0	8.6	12.8

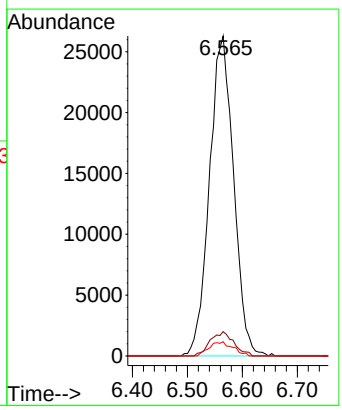


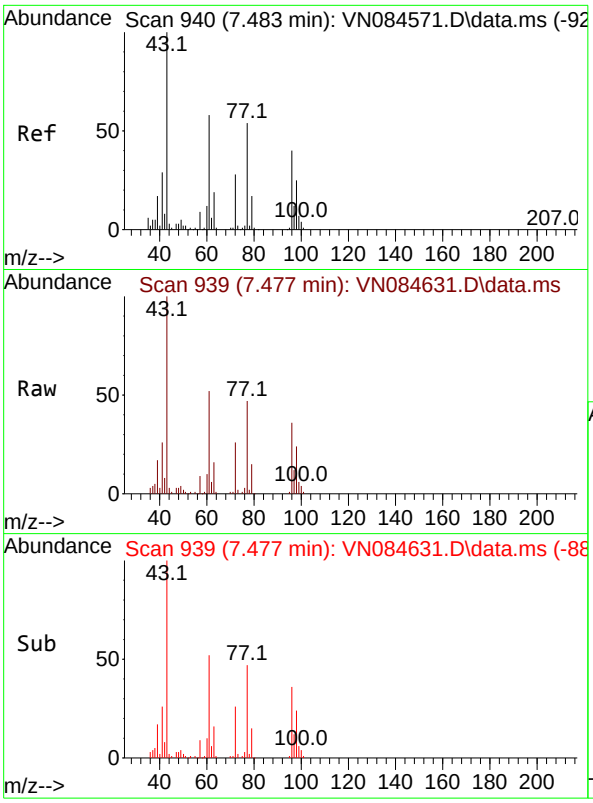


#24
1,1-Dichloroethane
Concen: 19.063 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 63 Resp: 80215

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.4	10.2
100	4.5	2.0	5.8



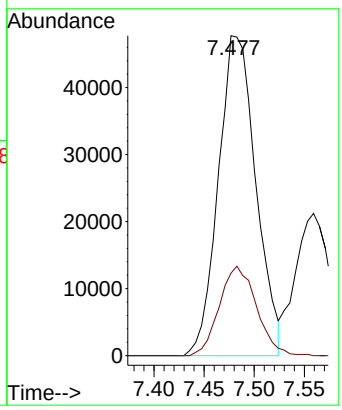


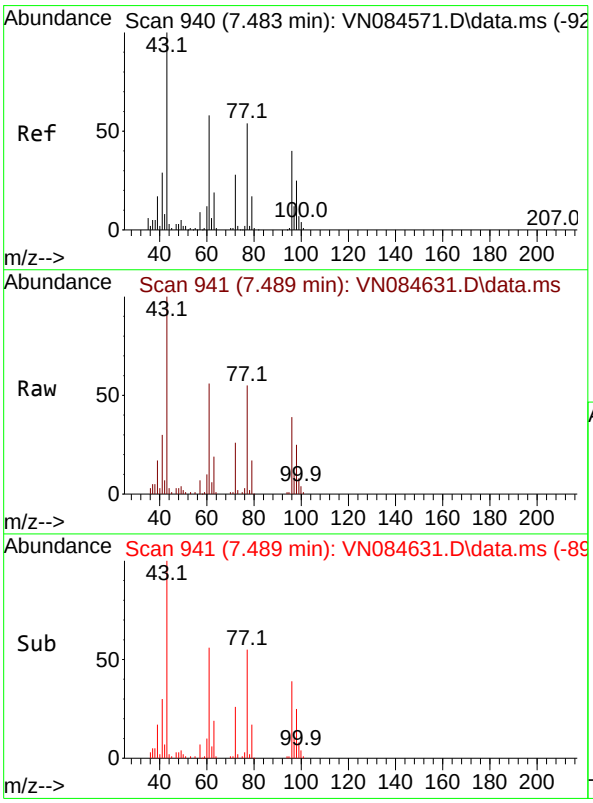
#25
2-Butanone
Concen: 96.713 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 124468

Ion	Ratio	Lower	Upper
43	100		
72	25.8	21.4	32.2

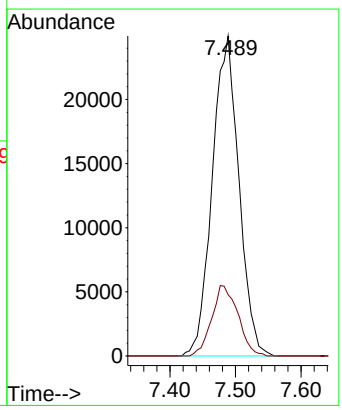


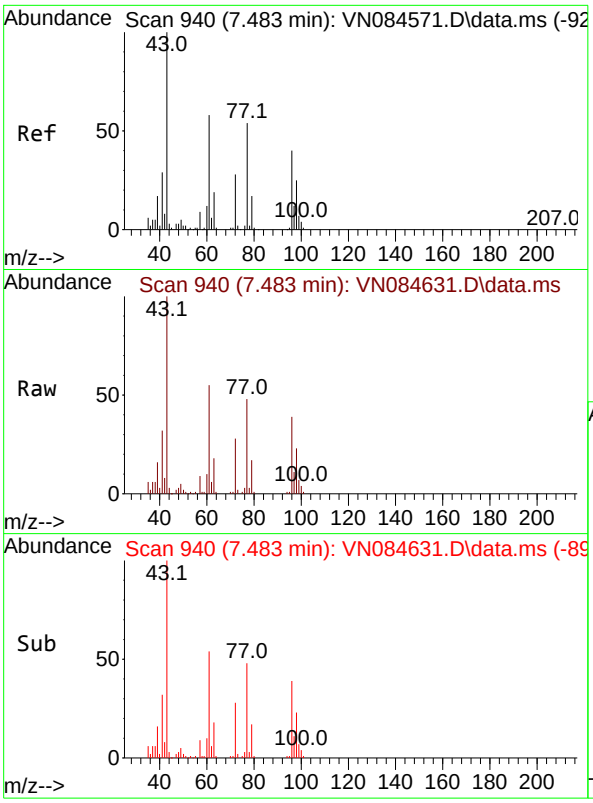


#26
2,2-Dichloropropane
Concen: 19.185 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 77 Resp: 70266

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.8	32.3



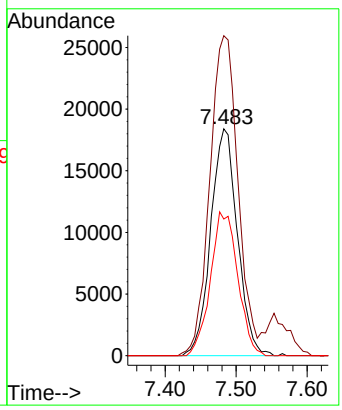


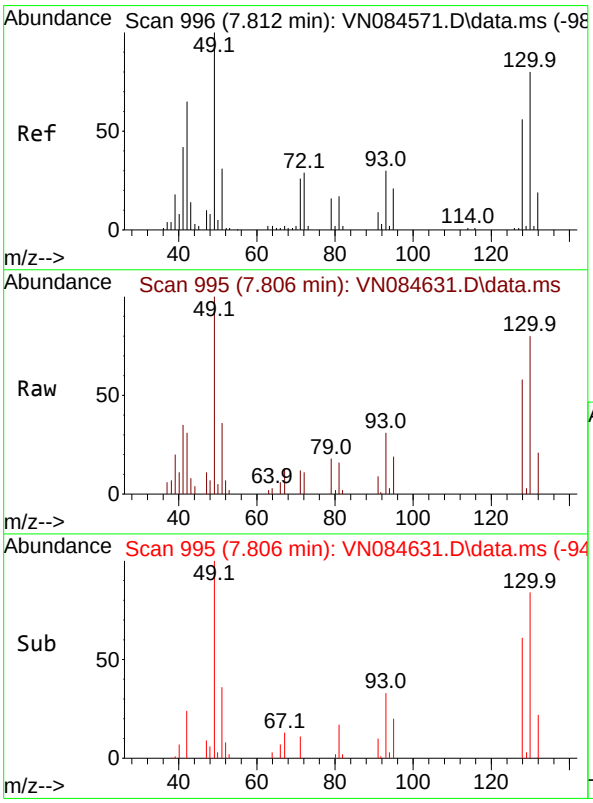
#27
cis-1,2-Dichloroethene
Concen: 18.421 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 96 Resp: 48039

Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	301.8
98	64.9	0.0	128.2

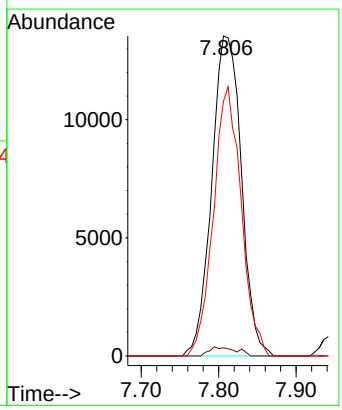


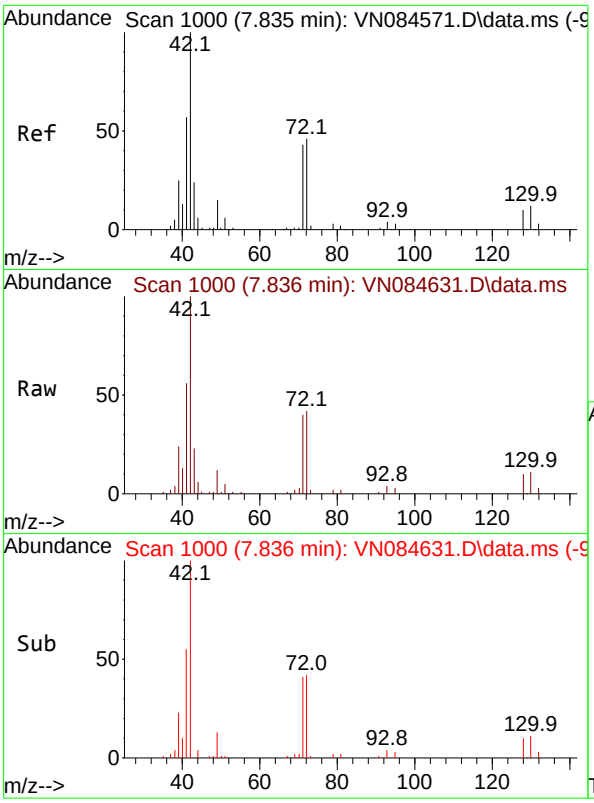


#28
Bromochloromethane
Concen: 21.487 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 49 Resp: 36023

Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.6
130	78.7	58.0	87.0



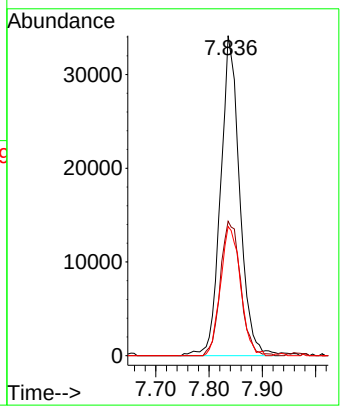


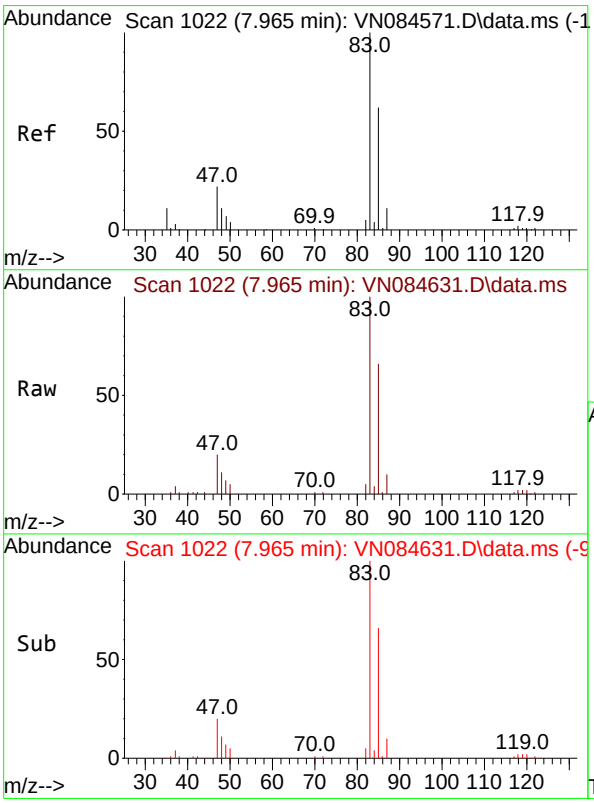
#29
Tetrahydrofuran
Concen: 99.446 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 42 Resp: 84907

Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.6	51.8
71	42.4	32.2	48.4

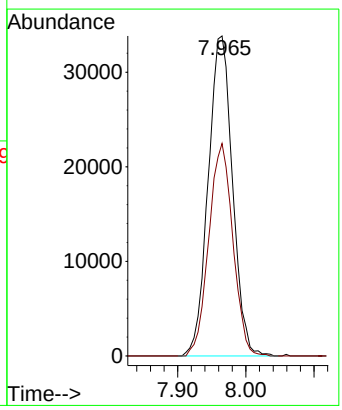


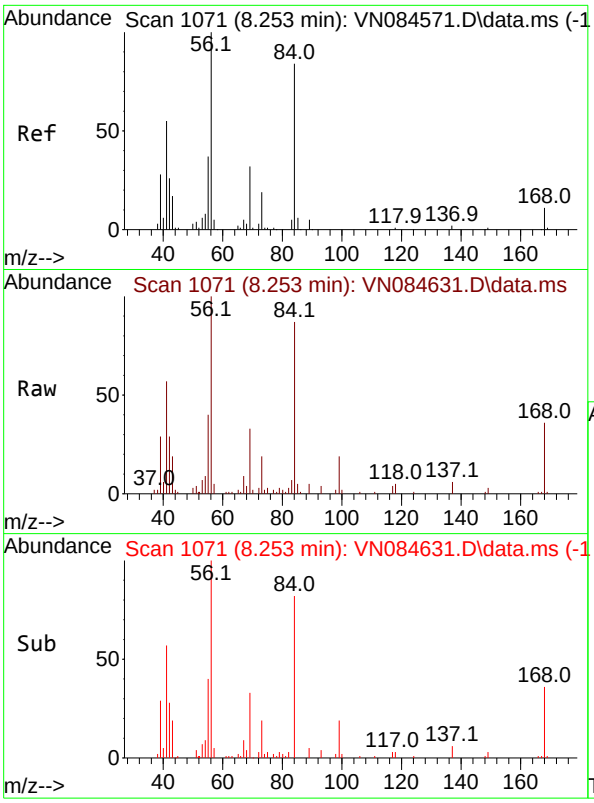


#30
Chloroform
Concen: 19.599 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 83 Resp: 83941

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.0	76.4



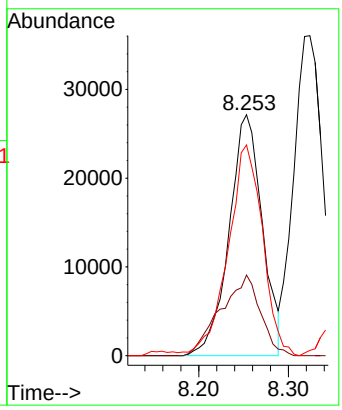


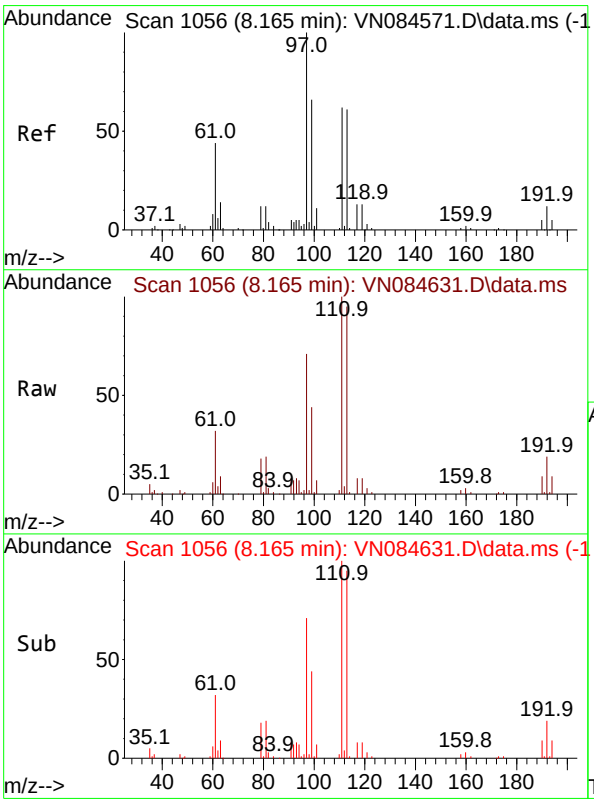
#31
Cyclohexane
Concen: 18.324 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 56 Resp: 69789

Ion	Ratio	Lower	Upper
56	100		
69	33.4	23.8	35.6
84	86.2	68.8	103.2

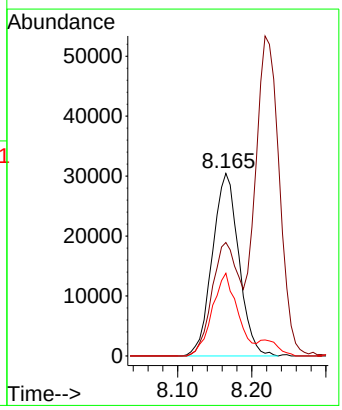


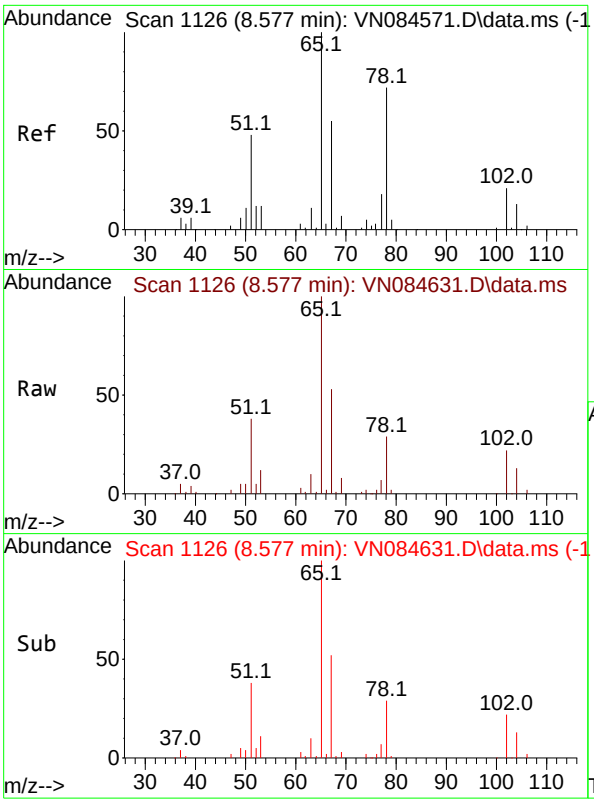


#32
1,1,1-Trichloroethane
Concen: 19.362 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 97 Resp: 75478

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	44.4	37.5	56.3



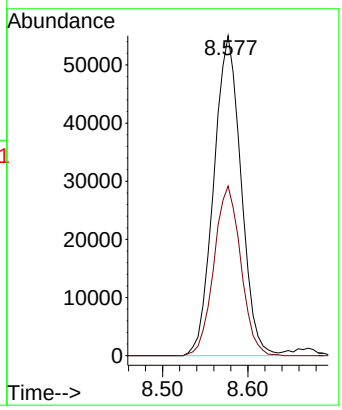


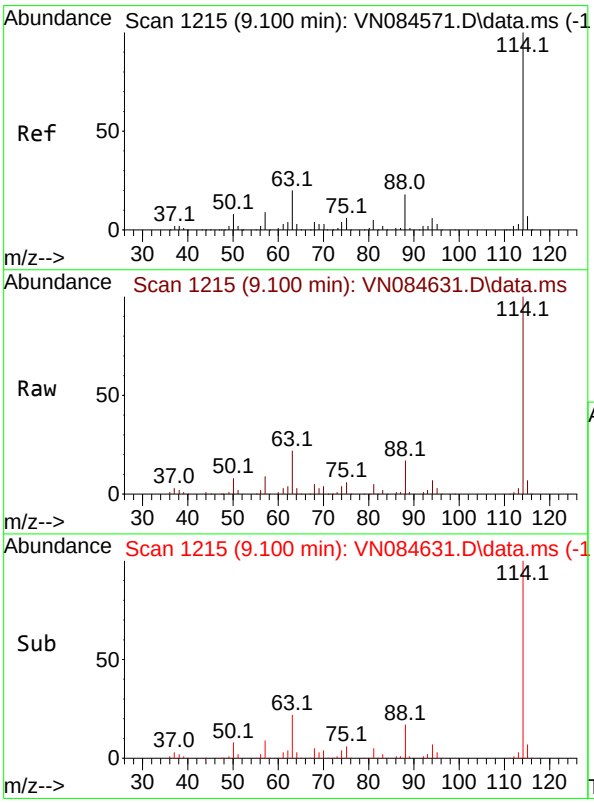
#33
1,2-Dichloroethane-d4
Concen: 44.315 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 65 Resp: 122248

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

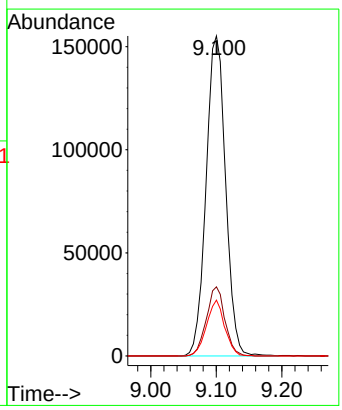


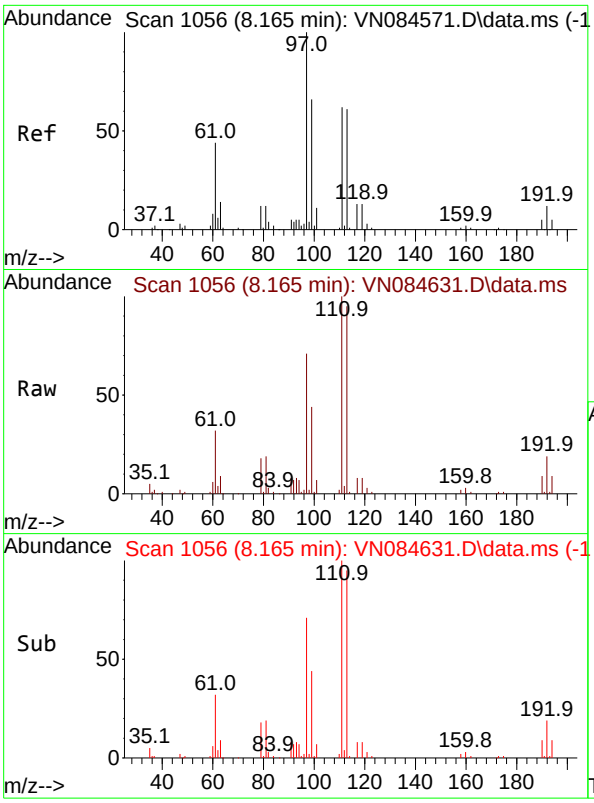


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:114 Resp: 320452

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.8
88	17.5	0.0	31.6



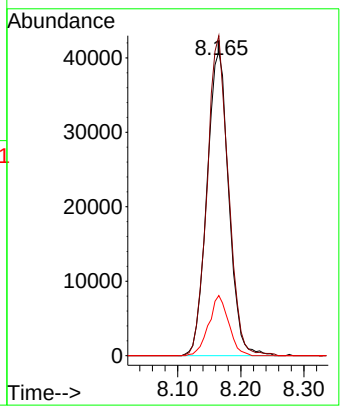


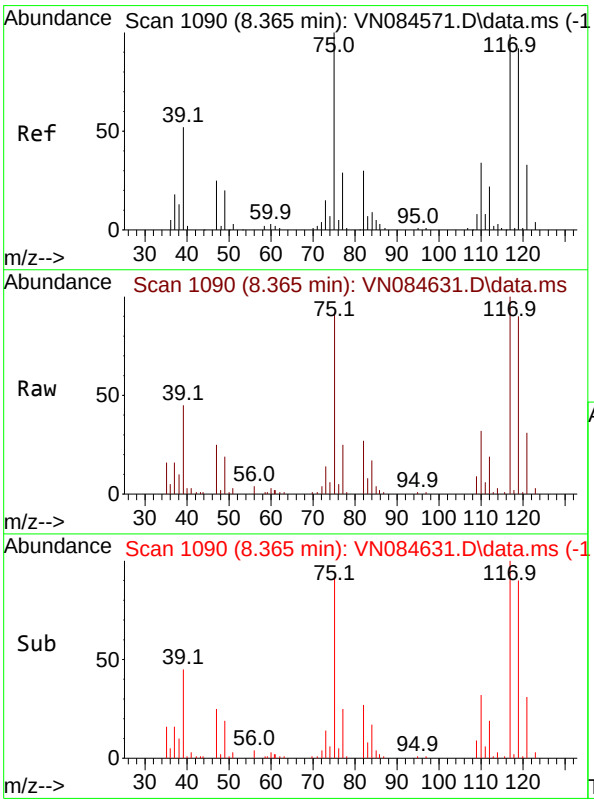
#35
Dibromofluoromethane
Concen: 45.147 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:113 Resp: 97927

Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.3	124.9
192	18.1	13.5	20.3

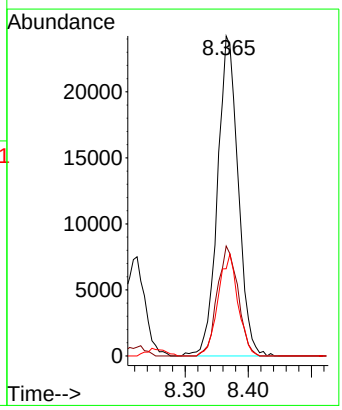


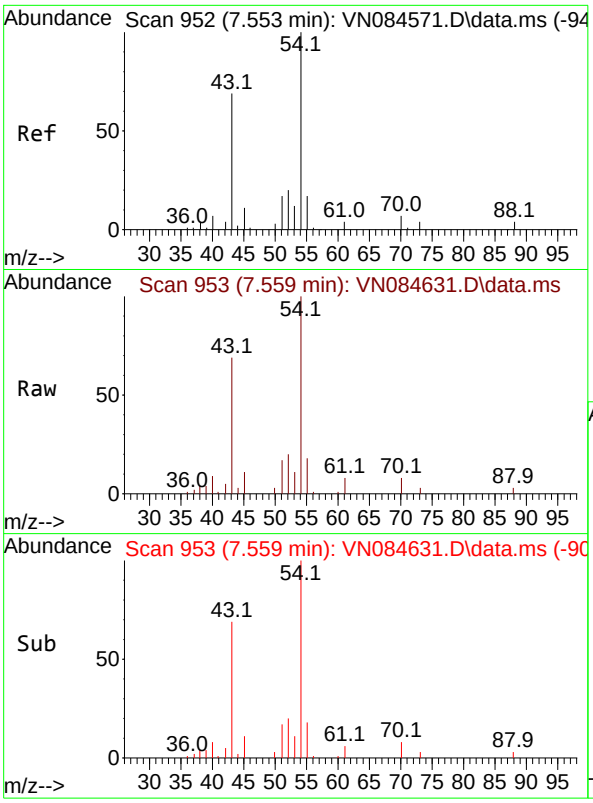


#36
1,1-Dichloropropene
Concen: 18.275 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 54975

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.8	24.7	37.1



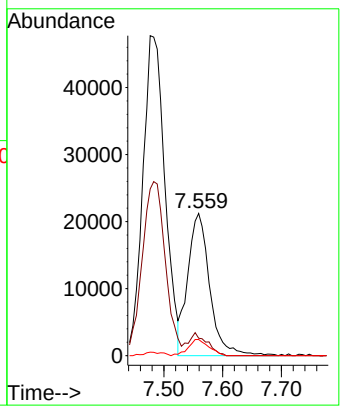


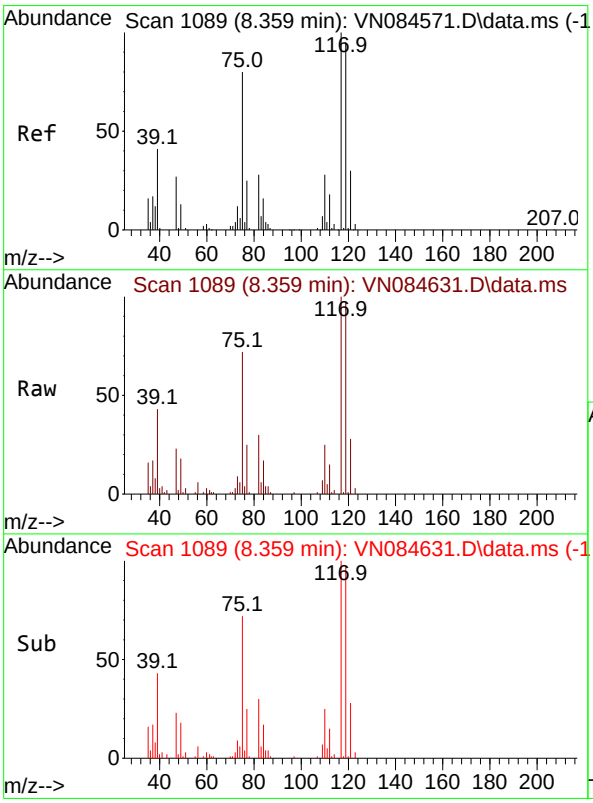
#37
Ethyl Acetate
Concen: 20.228 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 55210

Ion	Ratio	Lower	Upper
43	100		
61	11.4	10.7	16.1
70	10.6	8.8	13.2

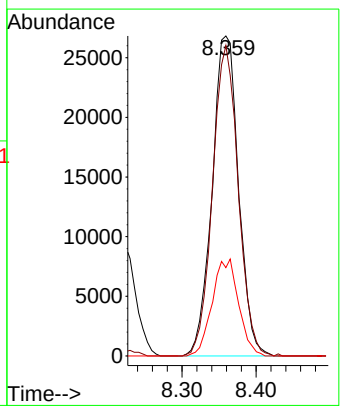


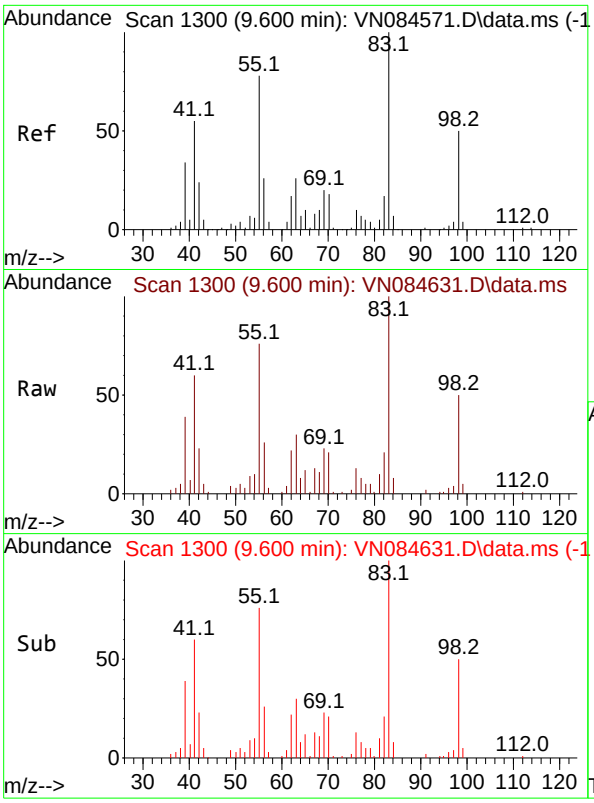


#38
Carbon Tetrachloride
Concen: 19.742 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:117 Resp: 66382

Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.7	118.1
121	27.6	24.4	36.6



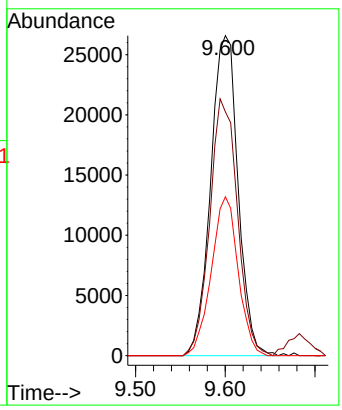


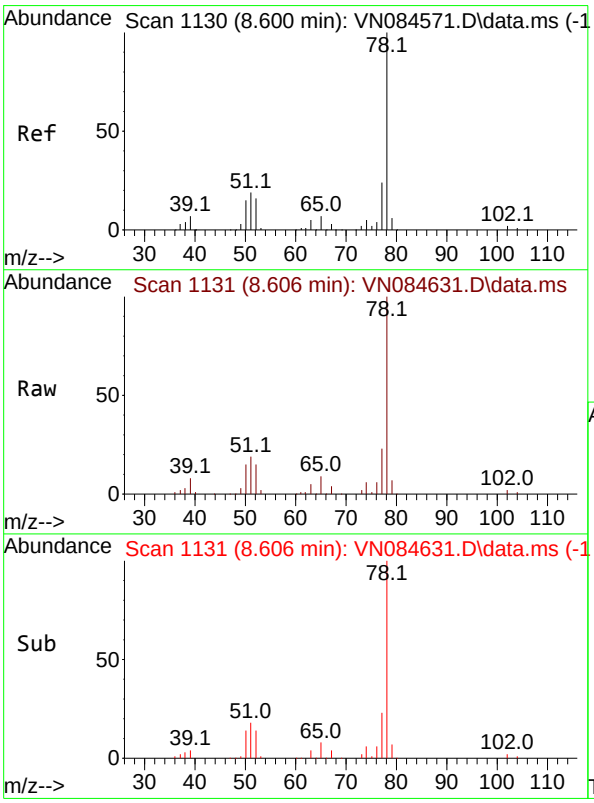
#39
Methylcyclohexane
Concen: 18.434 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 83 Resp: 56415

Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.8	94.2
98	49.7	38.8	58.2

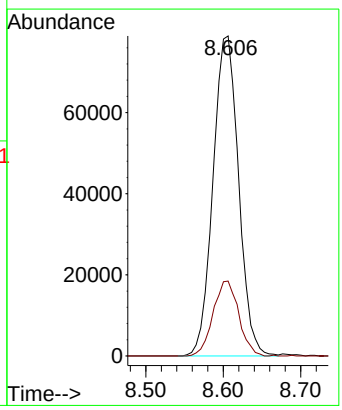


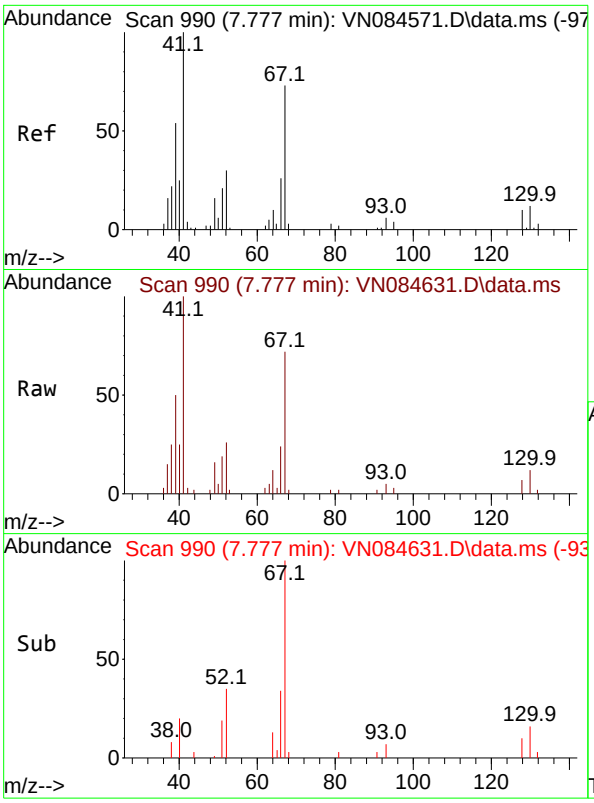


#40
Benzene
Concen: 18.756 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 78 Resp: 181197

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7



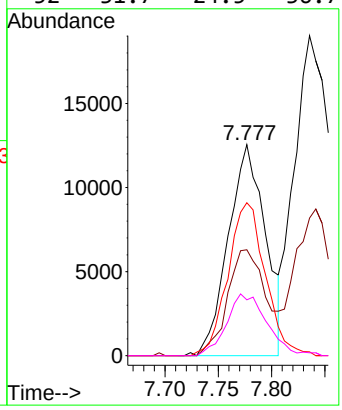


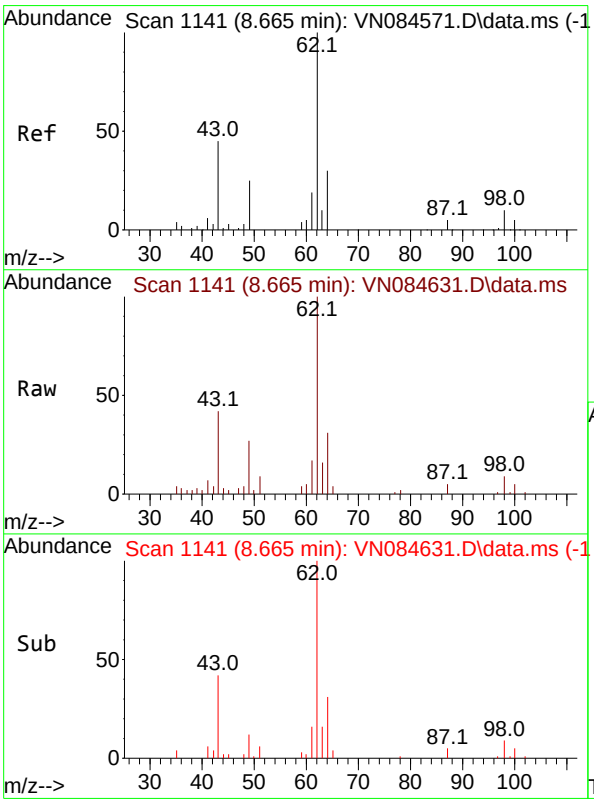
#41
Methacrylonitrile
Concen: 20.818 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 41 Resp: 30555

Ion	Ratio	Lower	Upper
41	100		
39	51.8	43.3	64.9
67	72.7	56.1	84.1
52	31.7	24.5	36.7

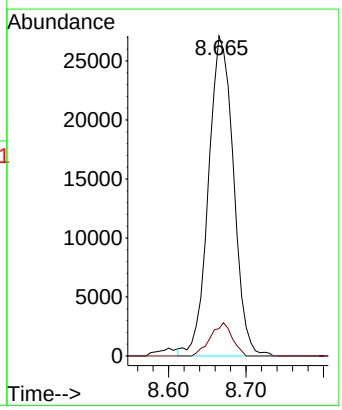


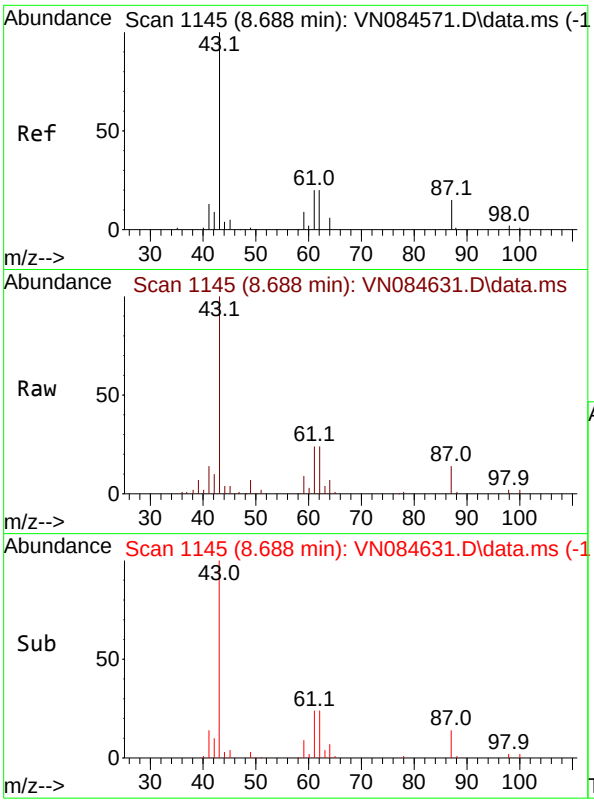


#42
1,2-Dichloroethane
Concen: 19.472 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 62 Resp: 60923

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



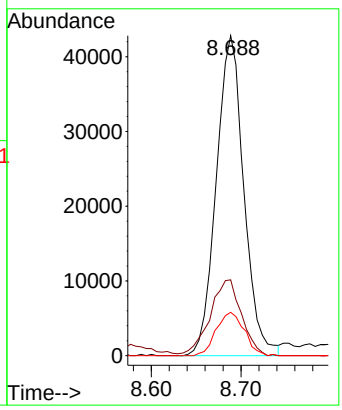


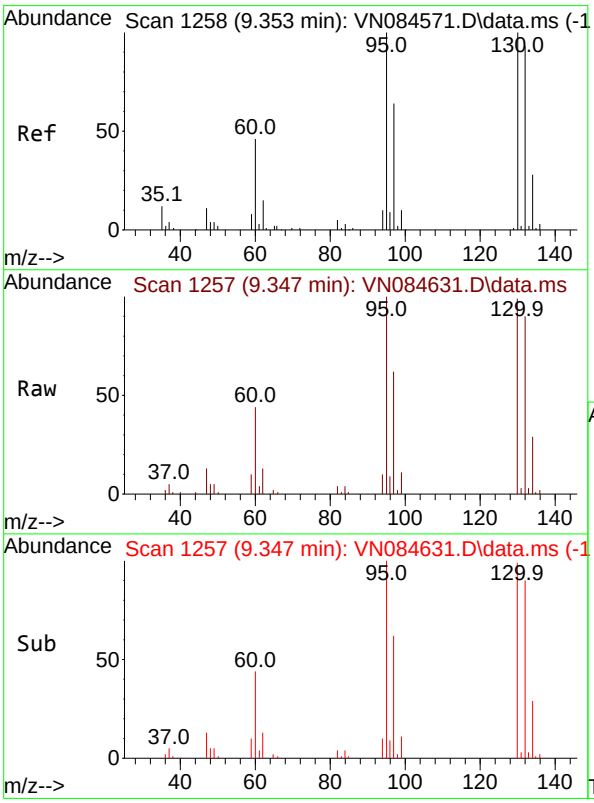
#43
Isopropyl Acetate
Concen: 17.507 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 91436

Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.4	30.6
87	13.8	10.3	15.5

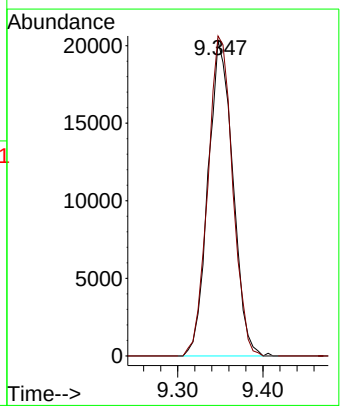


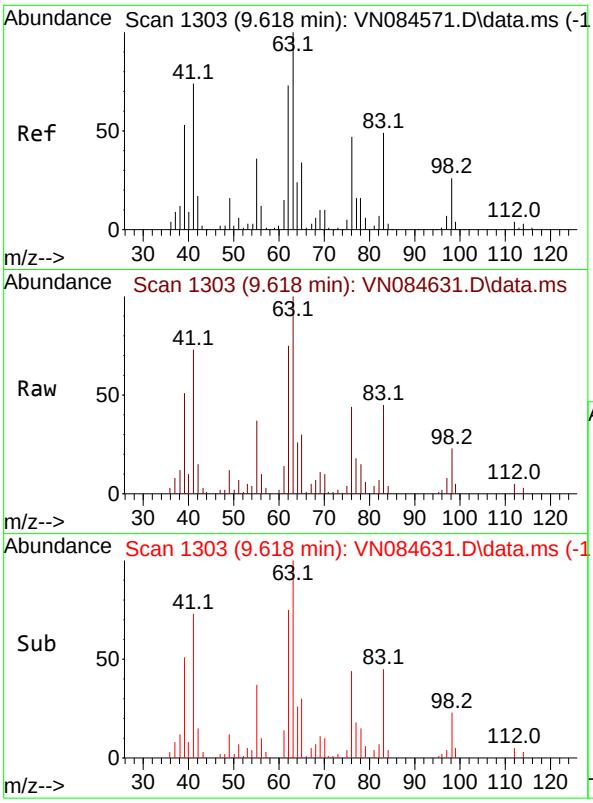


#44
Trichloroethene
Concen: 18.446 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:130 Resp: 41099

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	203.0



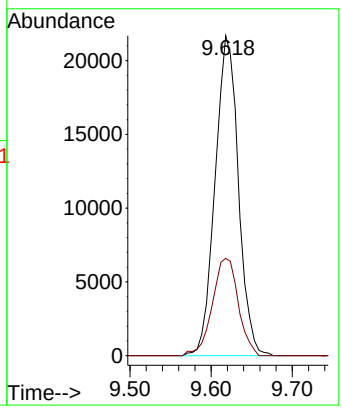


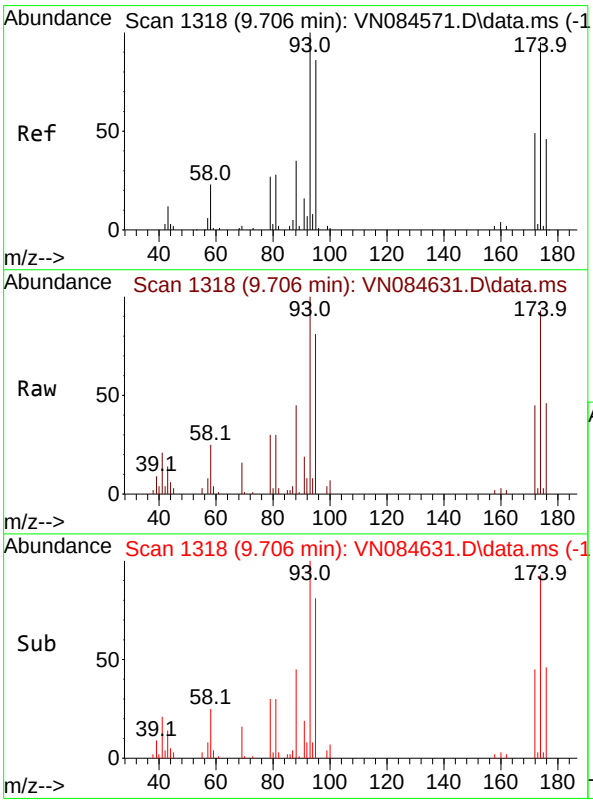
#45
1,2-Dichloropropane
Concen: 19.073 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 63 Resp: 43224

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	37.0

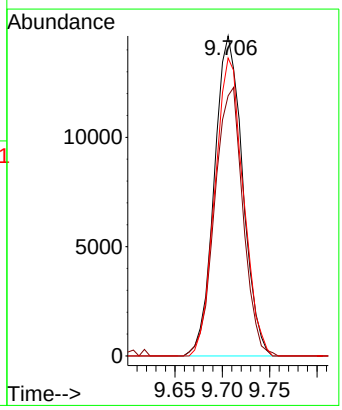


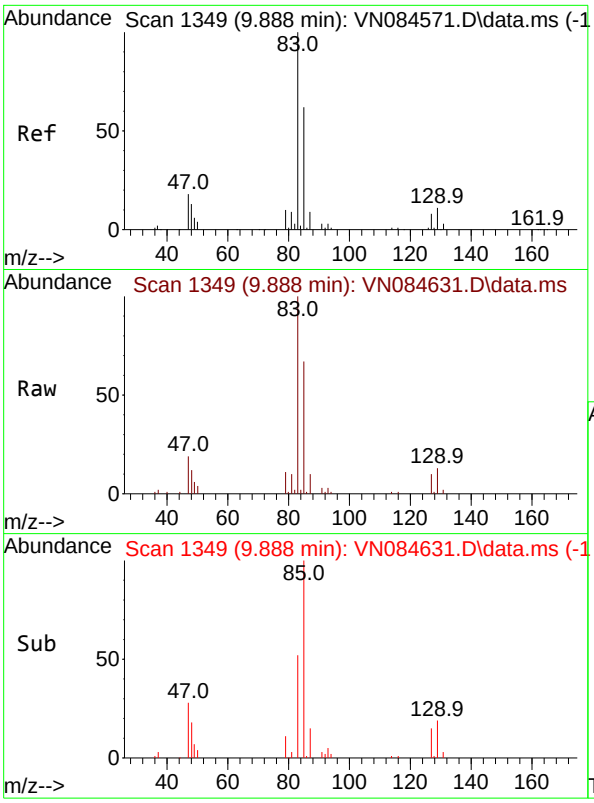


#46
Dibromomethane
Concen: 19.005 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 93 Resp: 30391

Ion	Ratio	Lower	Upper
93	100		
95	84.0	65.0	97.4
174	93.6	71.8	107.8



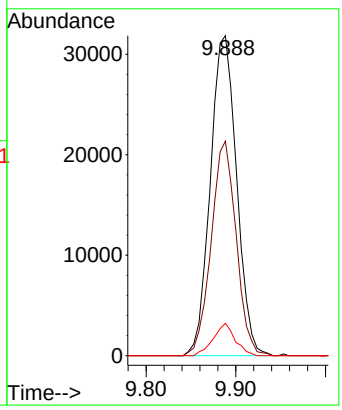


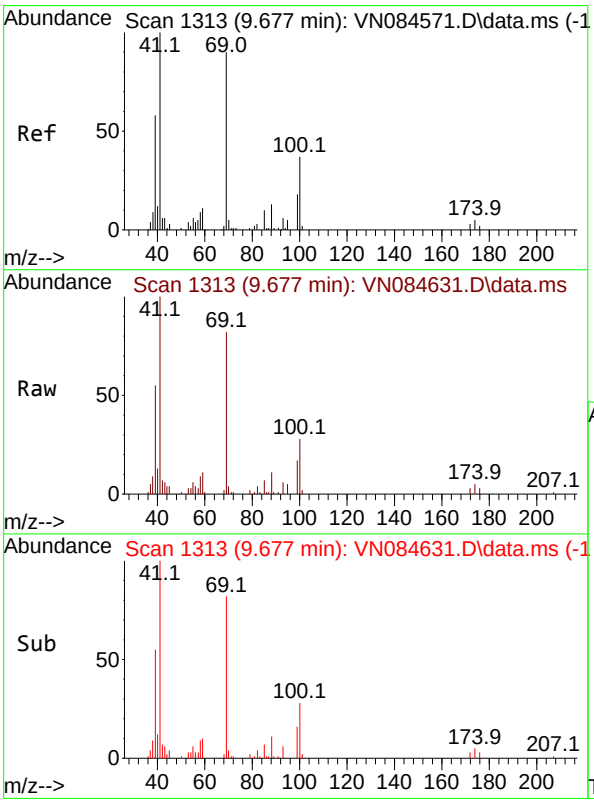
#47
Bromodichloromethane
Concen: 19.230 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 83 Resp: 64821

Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.5	77.3
127	10.1	5.7	8.5#

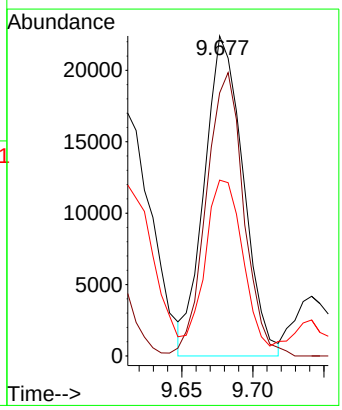


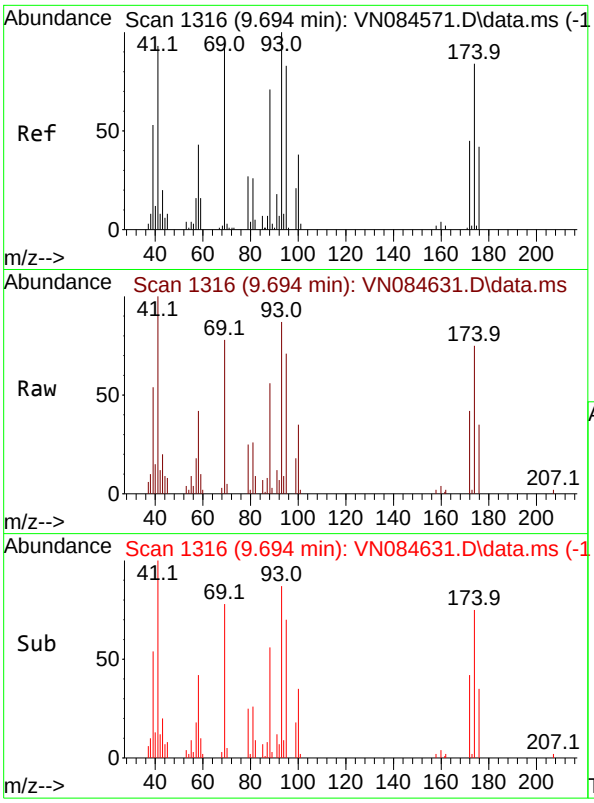


#48
Methyl methacrylate
Concen: 20.092 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 41 Resp: 42680

Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.1	100.7
39	54.7	45.8	68.6



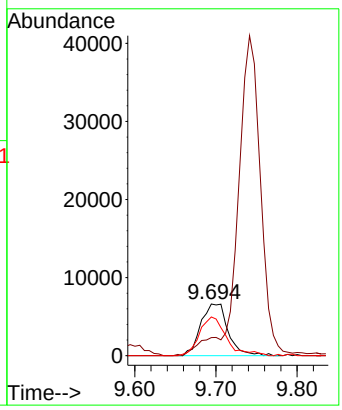


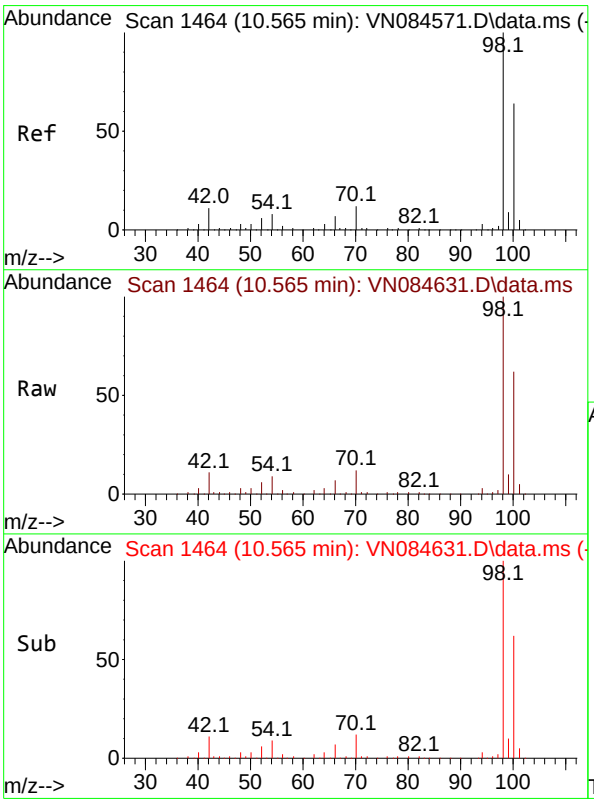
#49
1,4-Dioxane
Concen: 410.740 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 88 Resp: 15461

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	73.9	56.4	84.6

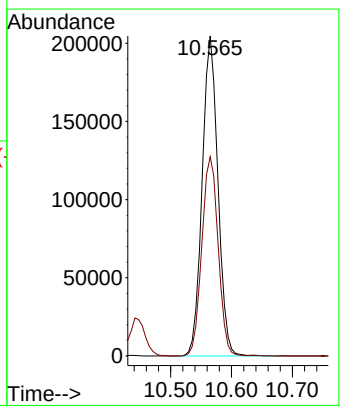


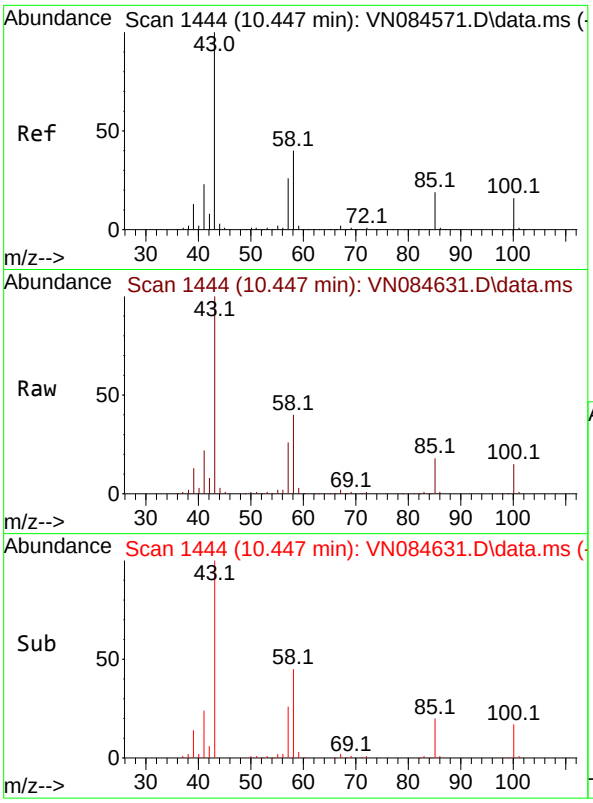


#50
Toluene-d8
Concen: 46.086 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 98 Resp: 368236

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1



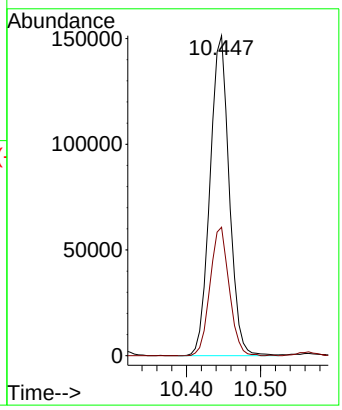


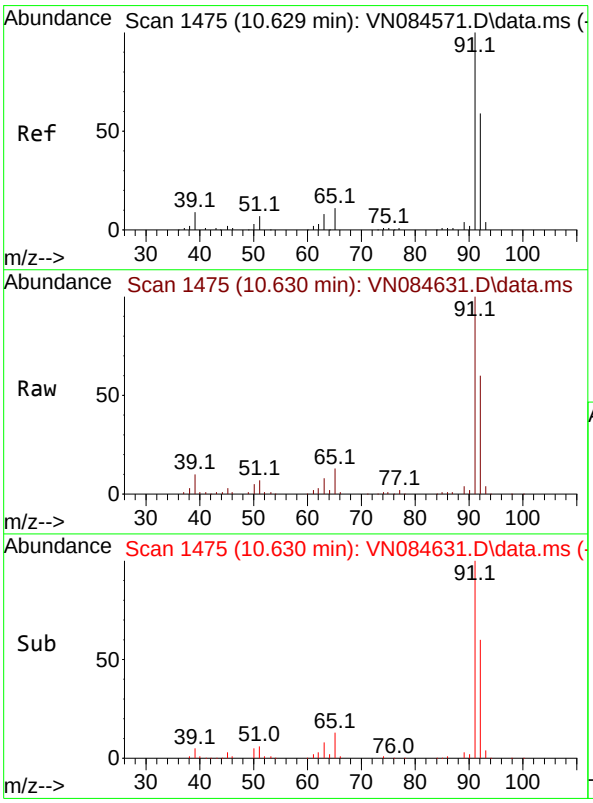
#51
4-Methyl-2-Pentanone
Concen: 104.826 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 272747

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4

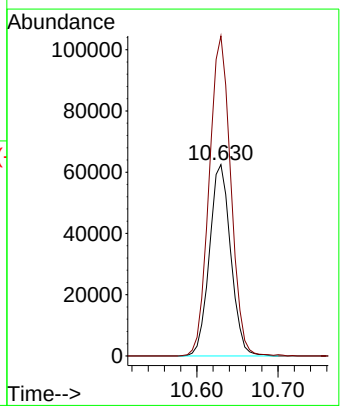


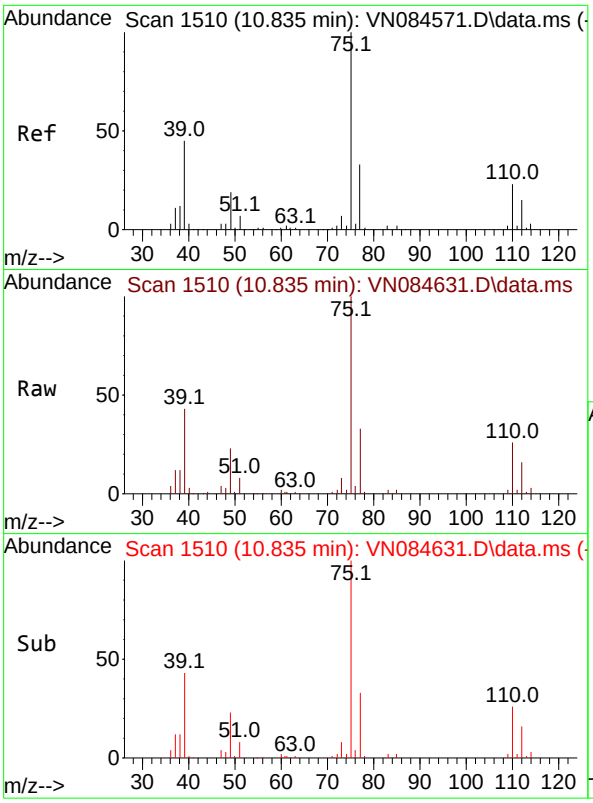


#52
Toluene
Concen: 20.137 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 92 Resp: 113778

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.3	205.9



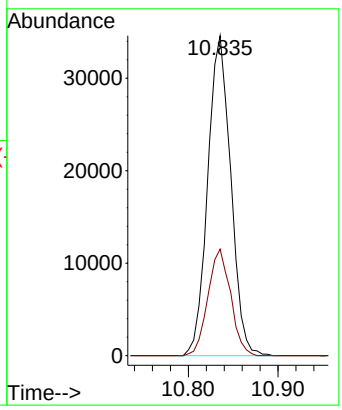


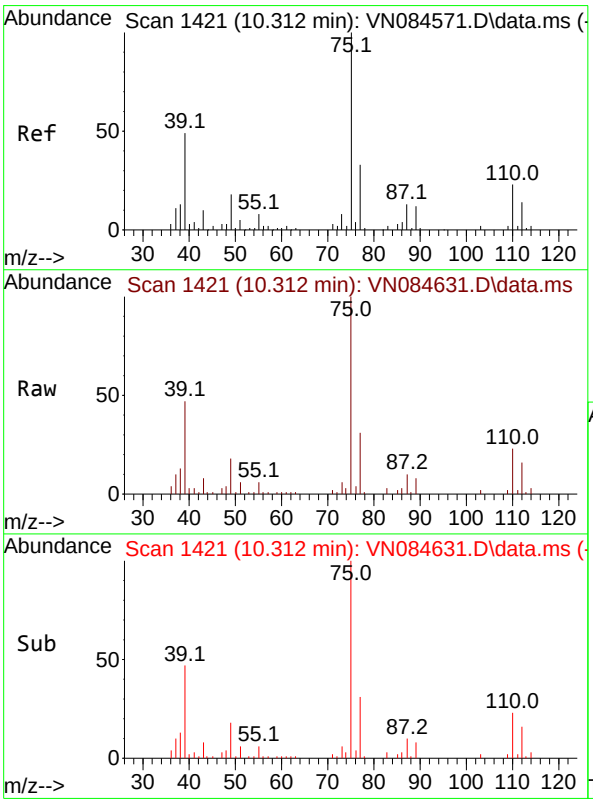
#53
t-1,3-Dichloropropene
Concen: 17.677 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 75 Resp: 61679

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0

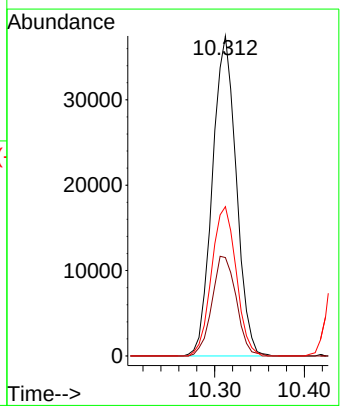


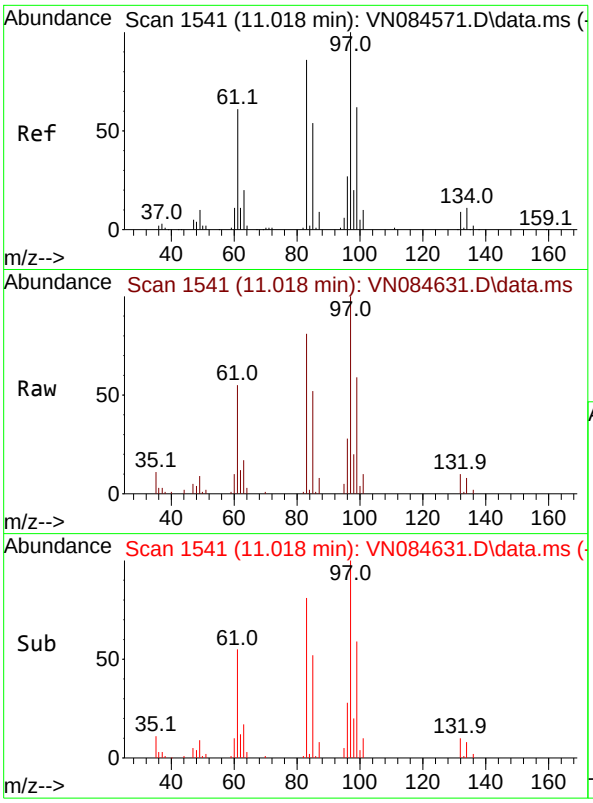


#54
cis-1,3-Dichloropropene
Concen: 18.686 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 69008

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.2	36.2
39	46.6	38.7	58.1



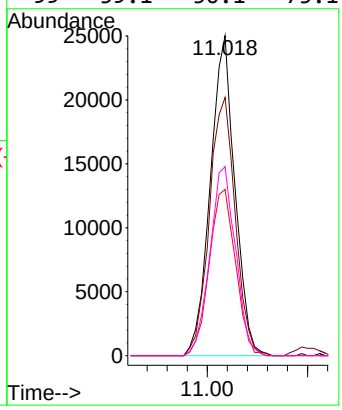


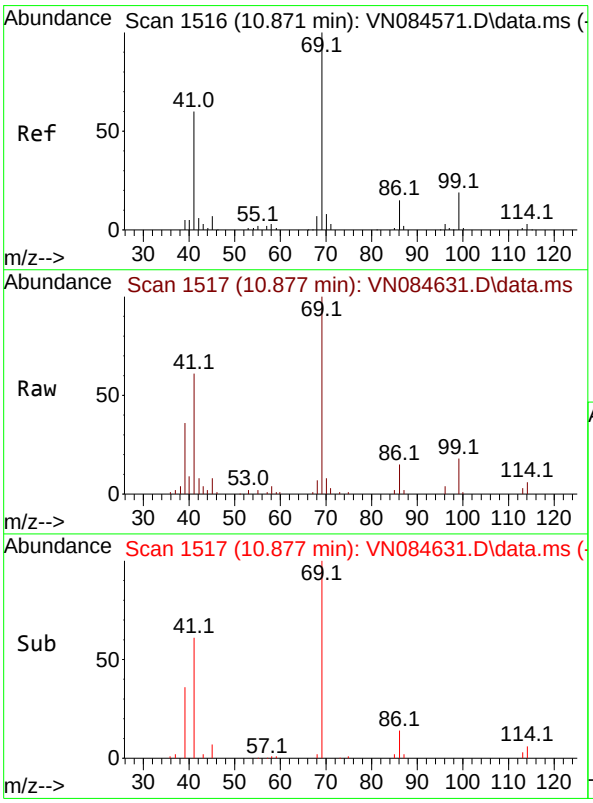
#55
1,1,2-Trichloroethane
Concen: 19.987 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 97 Resp: 42540

Ion	Ratio	Lower	Upper
97	100		
83	80.7	71.0	106.4
85	52.0	41.7	62.5
99	59.1	50.1	75.1

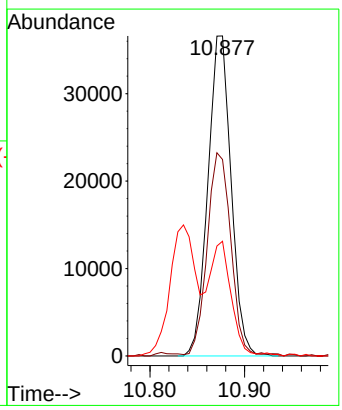


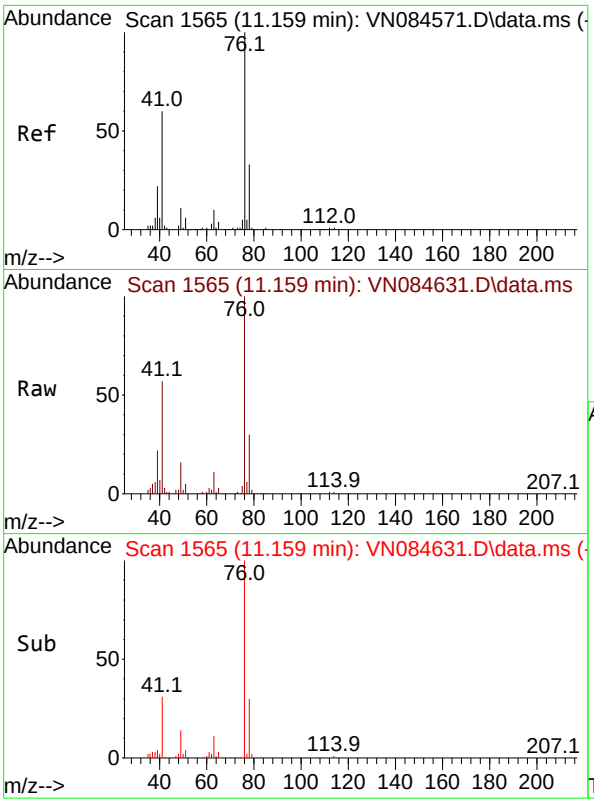


#56
Ethyl methacrylate
Concen: 20.246 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 69 Resp: 62329

Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.3	79.9
39	33.8	28.8	43.2



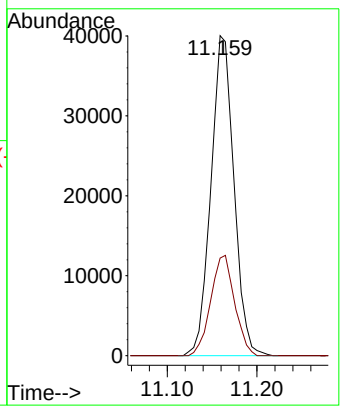


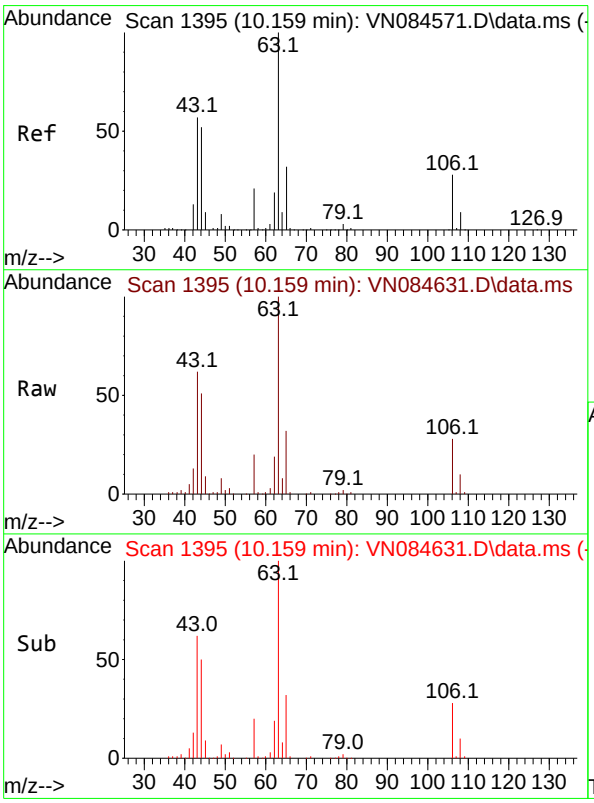
#57
1,3-Dichloropropane
Concen: 19.510 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 76 Resp: 71264

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

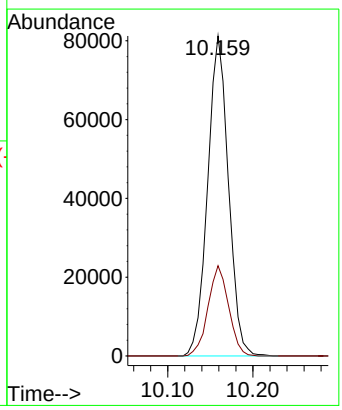


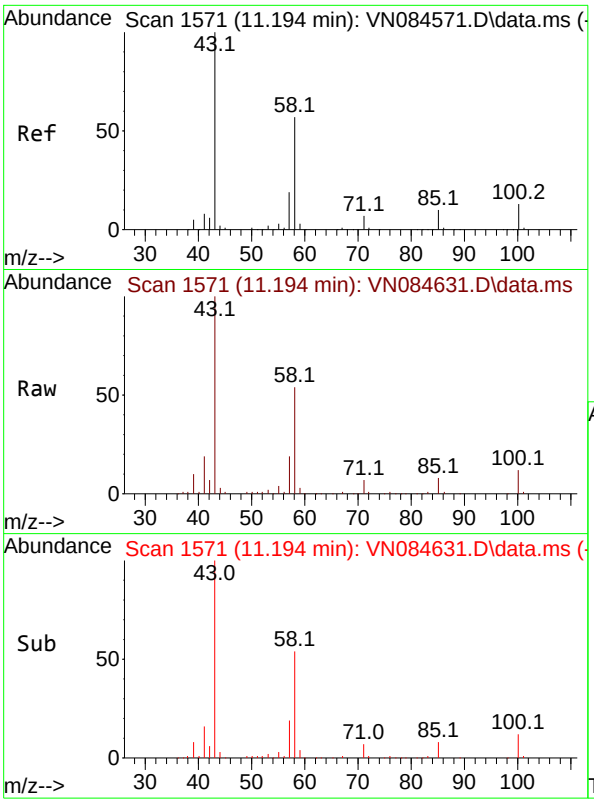


#58
2-Chloroethyl Vinyl ether
Concen: 95.550 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 63 Resp: 137645

Ion	Ratio	Lower	Upper
63	100		
106	27.9	21.8	32.6



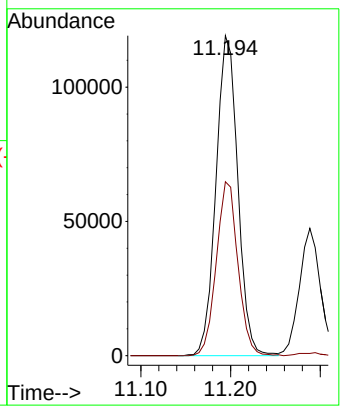


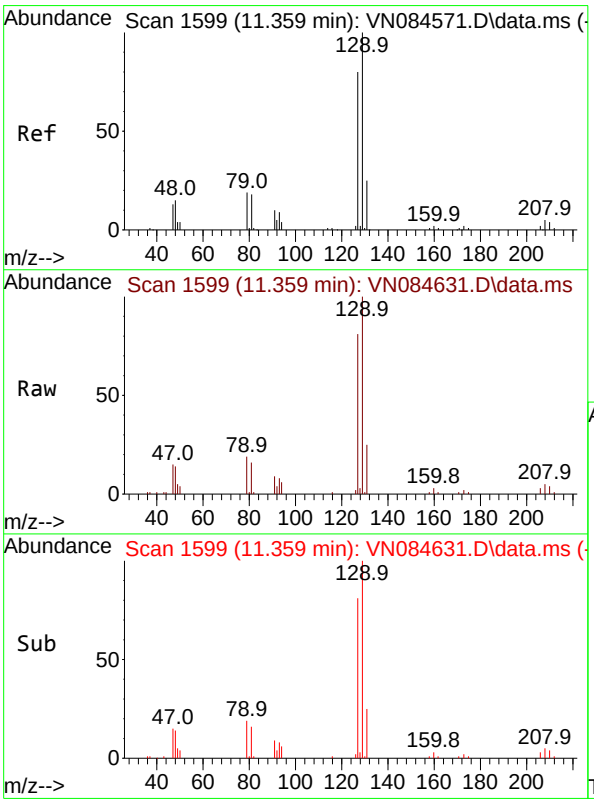
#59
2-Hexanone
Concen: 106.361 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 43 Resp: 201434

Ion	Ratio	Lower	Upper
43	100		
58	53.8	27.3	81.8

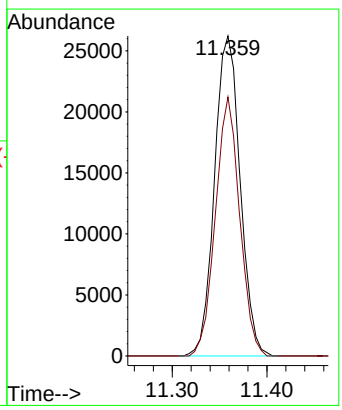


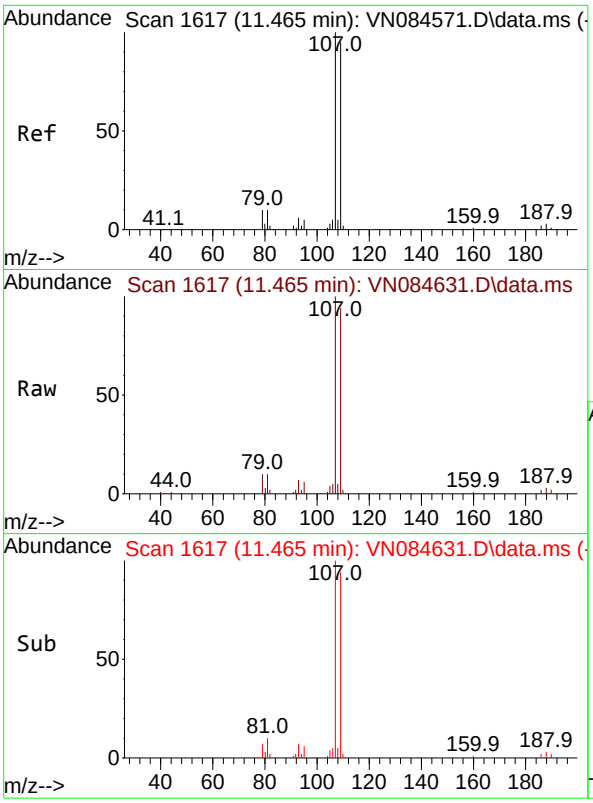


#60
Dibromochloromethane
Concen: 20.336 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:129 Resp: 49329

Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.3	114.9



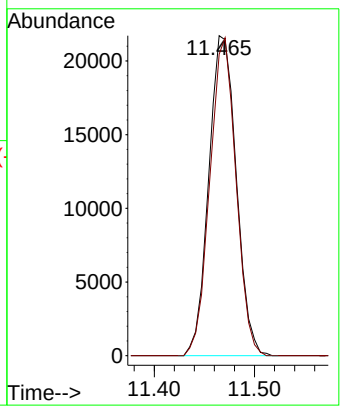


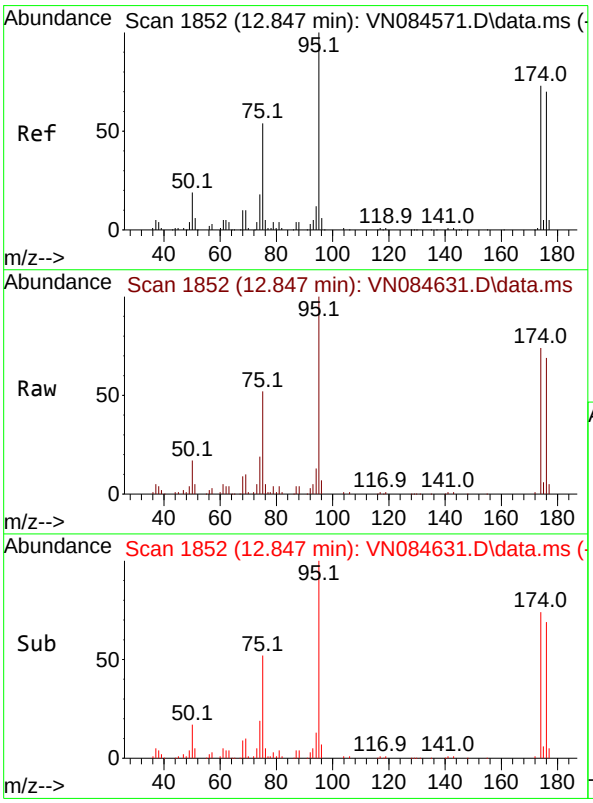
#61
1,2-Dibromoethane
Concen: 19.014 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:107 Resp: 41441

Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

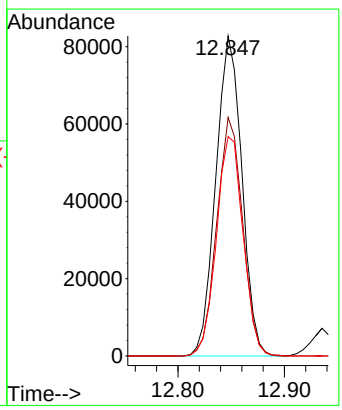


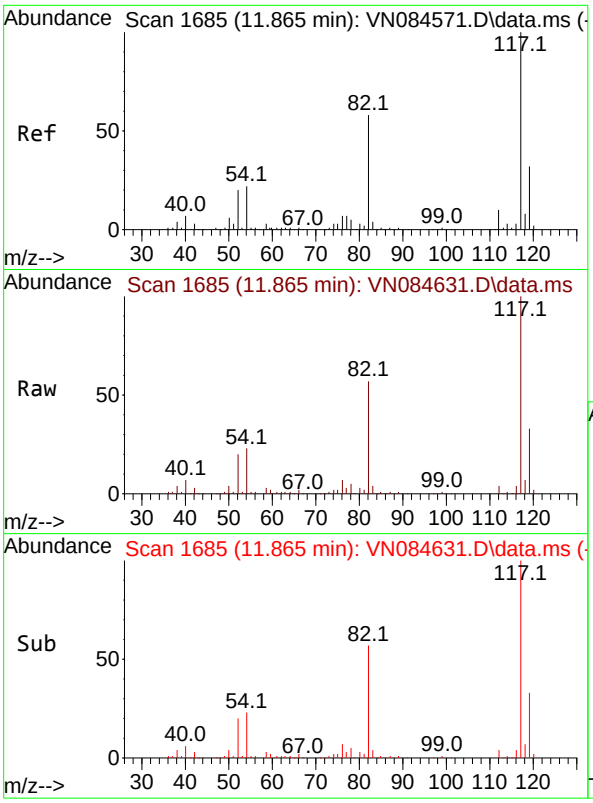


#62
4-Bromofluorobenzene
Concen: 47.047 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 95 Resp: 140490

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	145.2
176	70.3	0.0	140.0



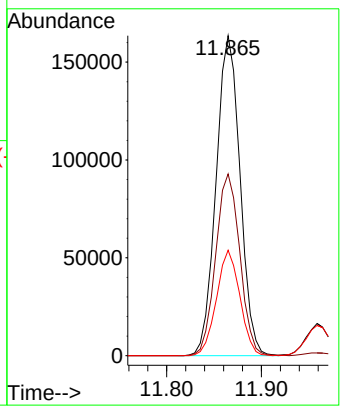


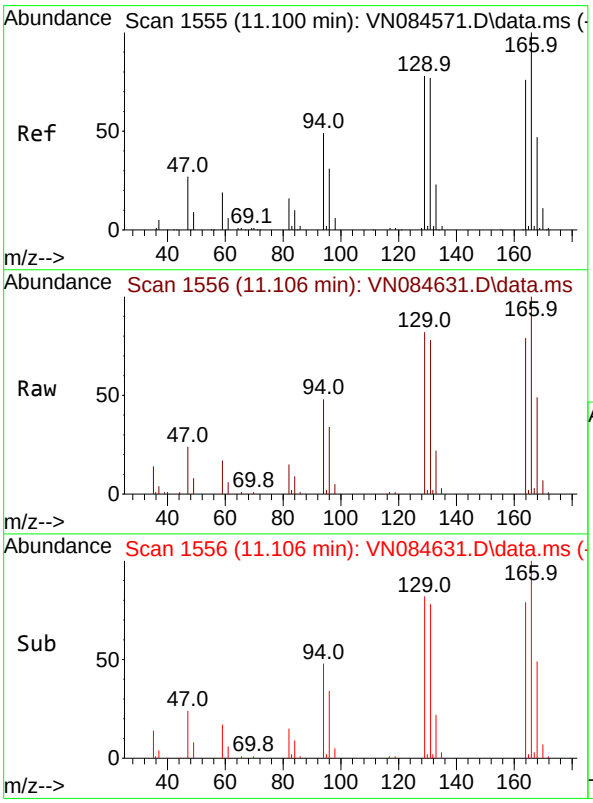
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:117 Resp: 287801

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	33.0	25.4	38.0

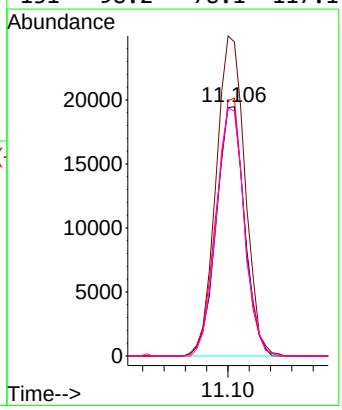


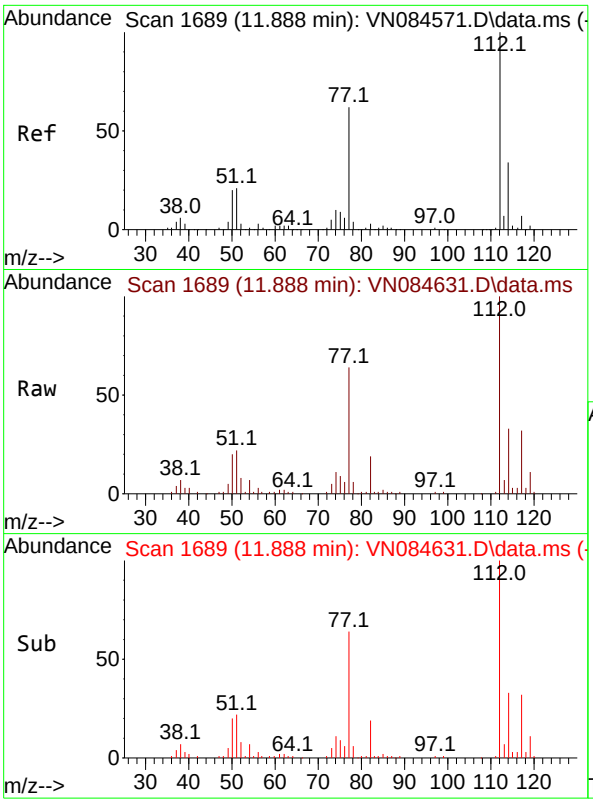


#64
Tetrachloroethene
Concen: 18.628 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:164 Resp: 35660

Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.0	151.4
129	103.4	80.8	121.2
131	98.2	78.1	117.1



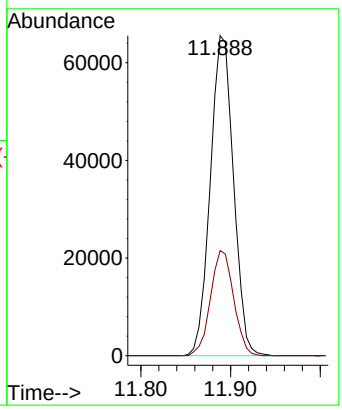


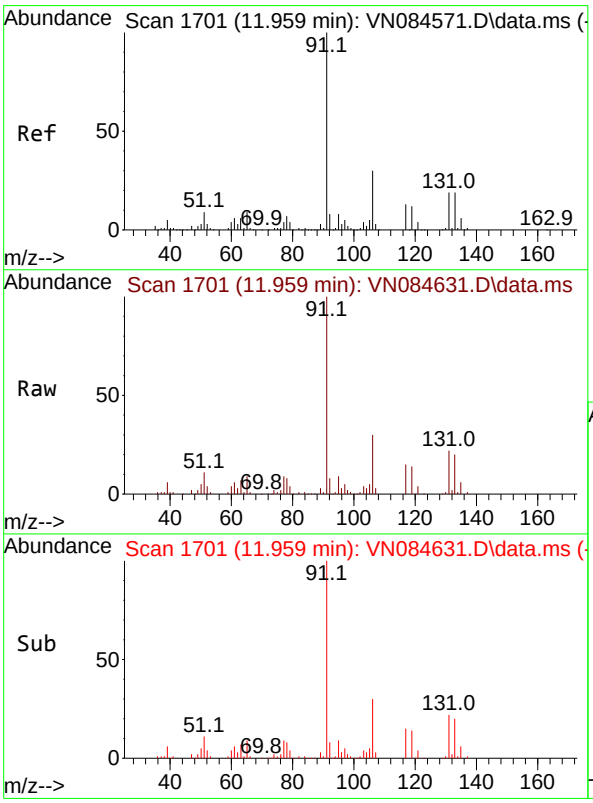
#65
Chlorobenzene
Concen: 18.278 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:112 Resp: 117685

Ion	Ratio	Lower	Upper
112	100		
114	32.8	27.0	40.6

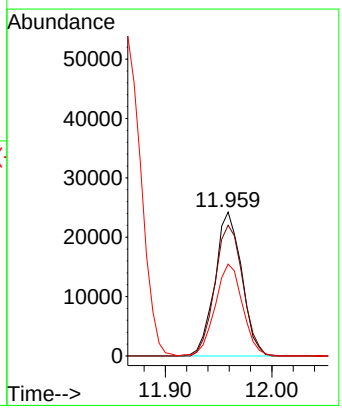


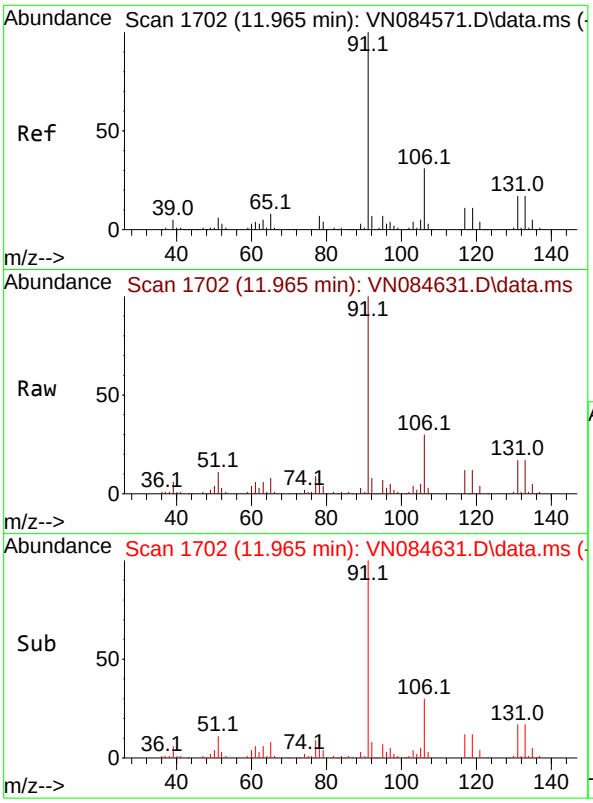


#66
1,1,1,2-Tetrachloroethane
Concen: 18.934 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:131 Resp: 42403

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.9	143.7
119	65.4	32.8	98.3



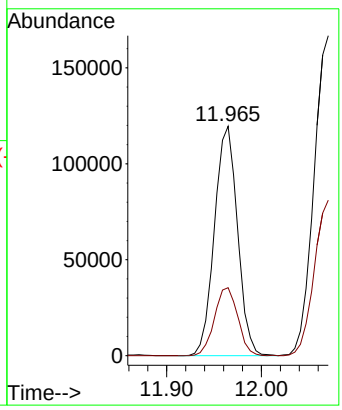


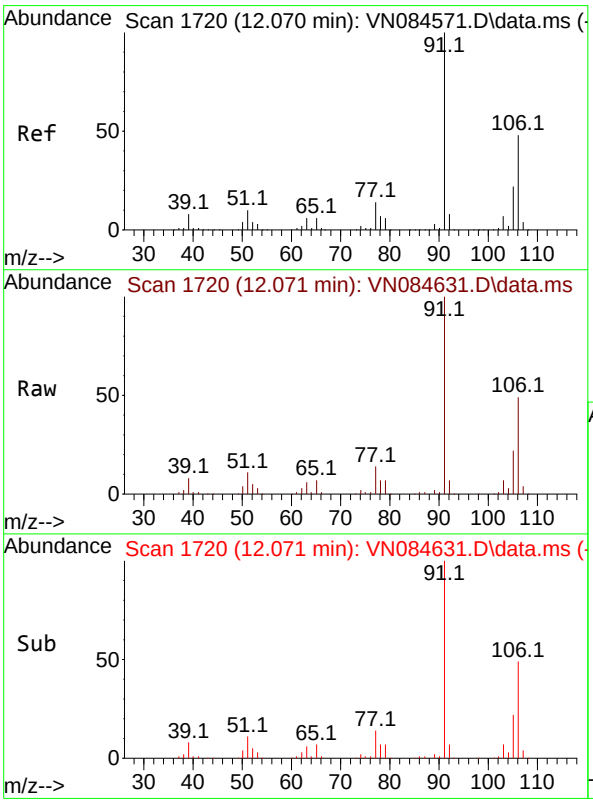
#67
Ethyl Benzene
Concen: 18.829 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 91 Resp: 202367

Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.5	36.7

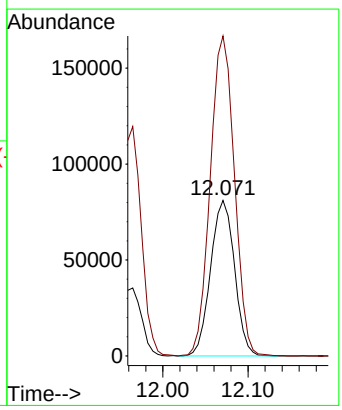


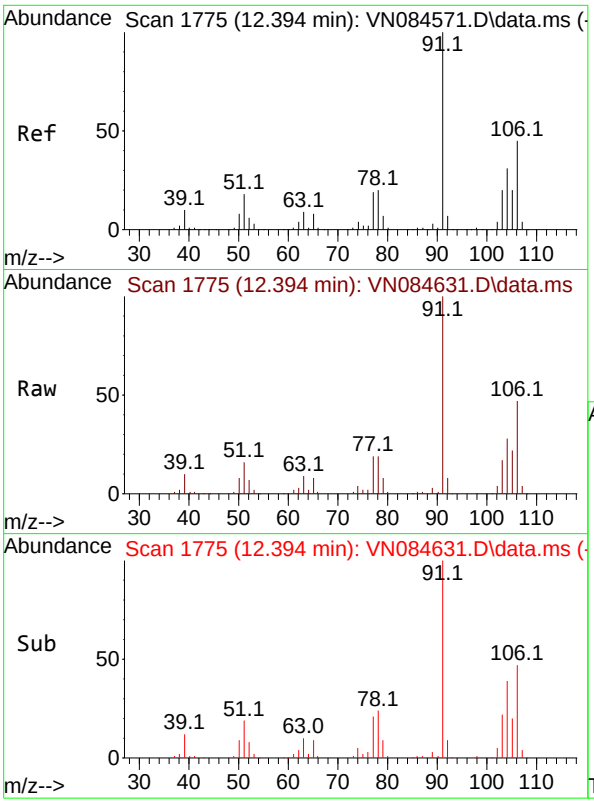


#68
m/p-Xylenes
Concen: 38.934 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:106 Resp: 158415

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.1	250.7



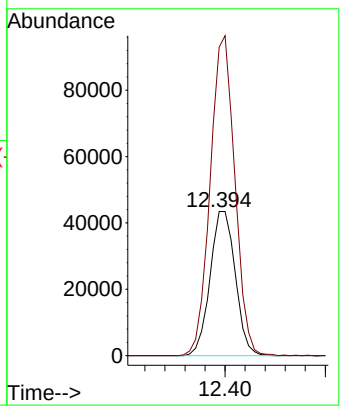


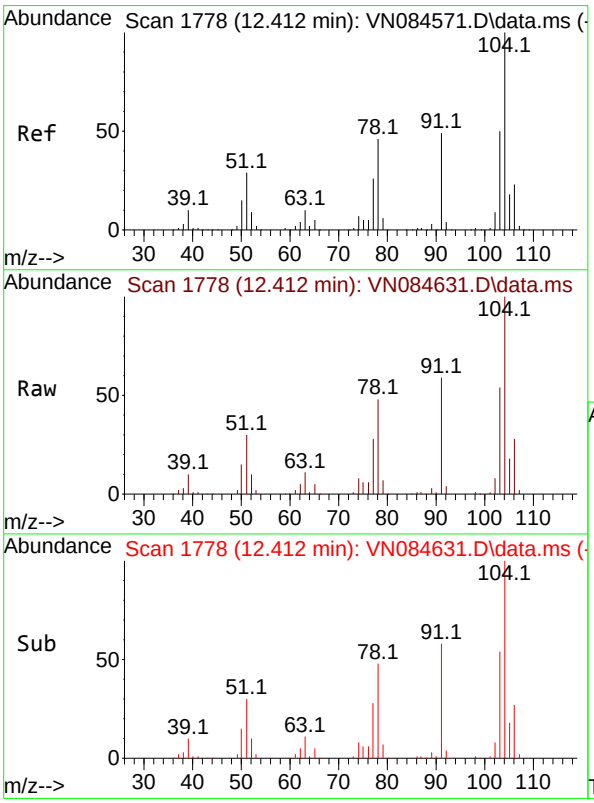
#69
o-Xylene
Concen: 19.953 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:106 Resp: 75949

Ion	Ratio	Lower	Upper
106	100		
91	216.6	110.2	330.6

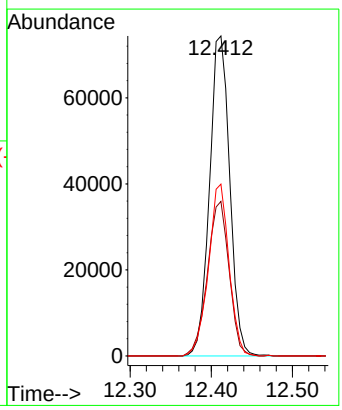


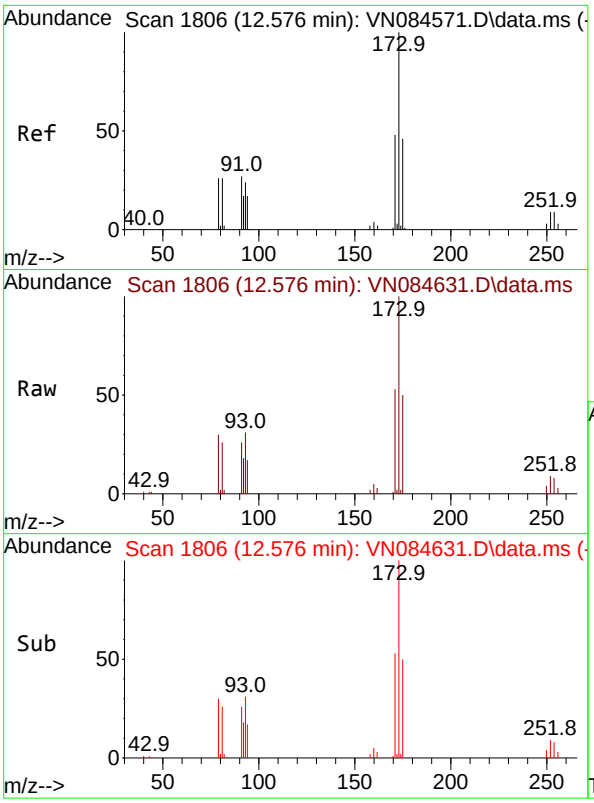


#70
Styrene
Concen: 19.394 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:104 Resp: 128771

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.7	64.1
103	54.6	43.6	65.4



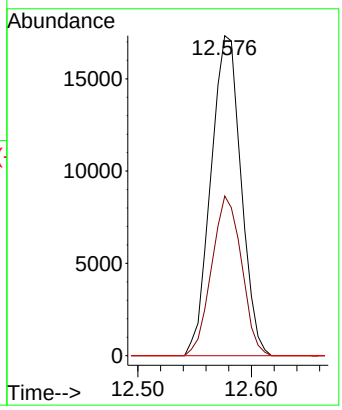


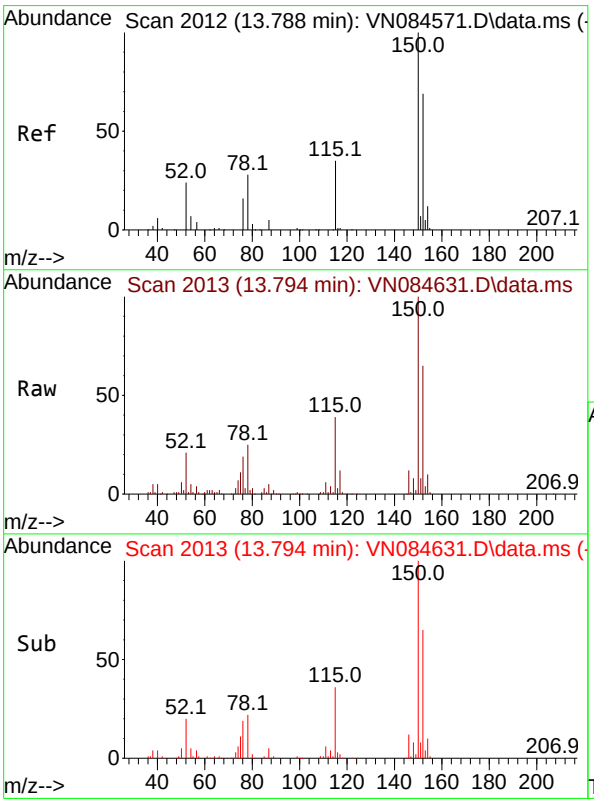
#71
Bromoform
Concen: 18.968 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:173 Resp: 31965

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0

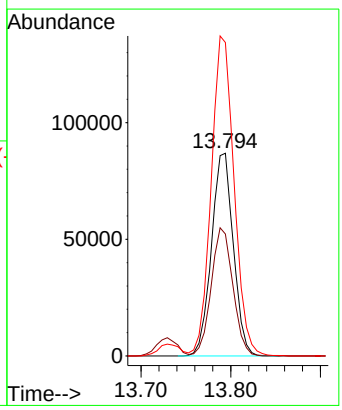


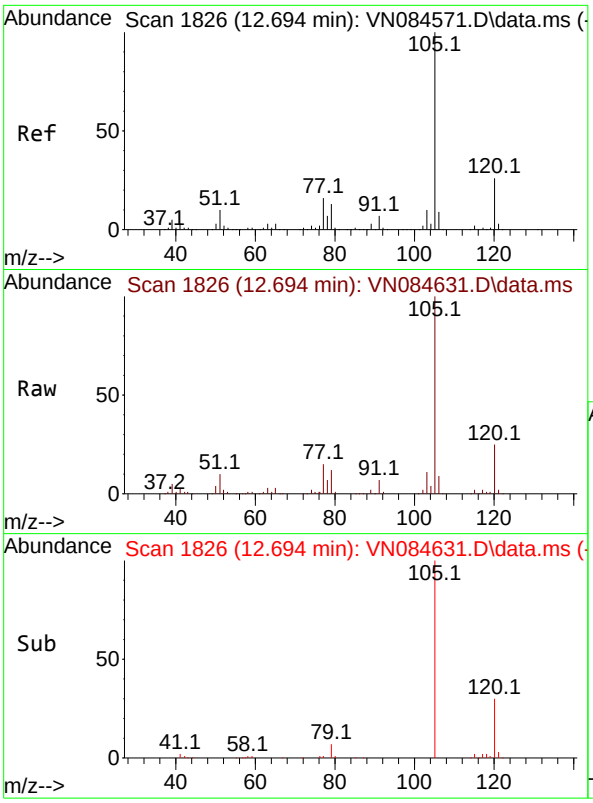


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:152 Resp: 147052

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	164.9	0.0	349.8



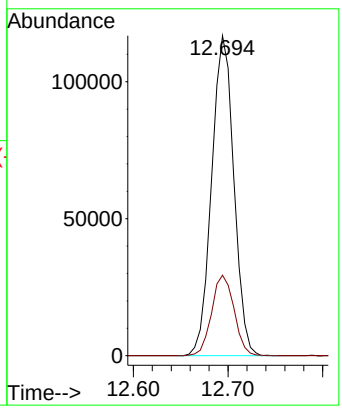


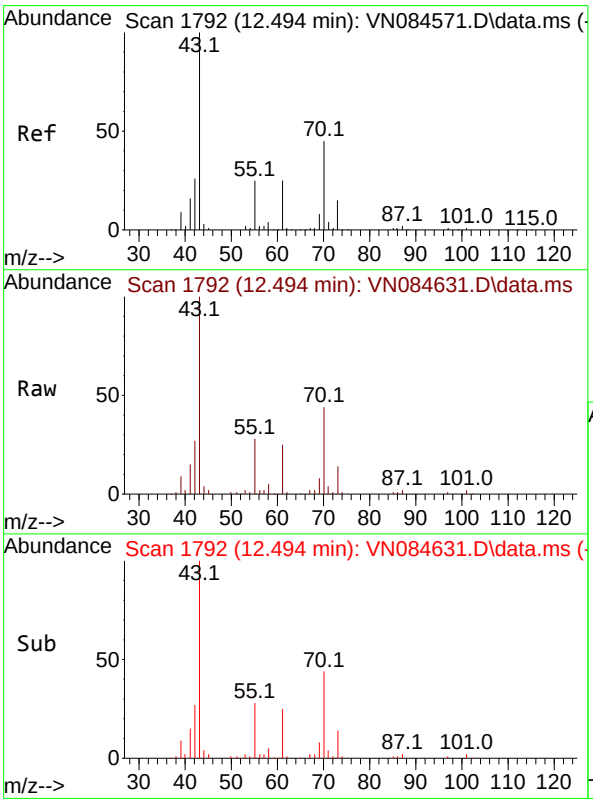
#73
Isopropylbenzene
Concen: 18.450 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:105 Resp: 190126

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

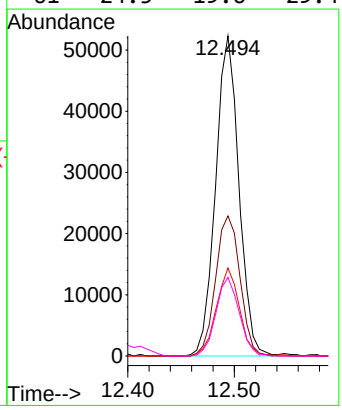


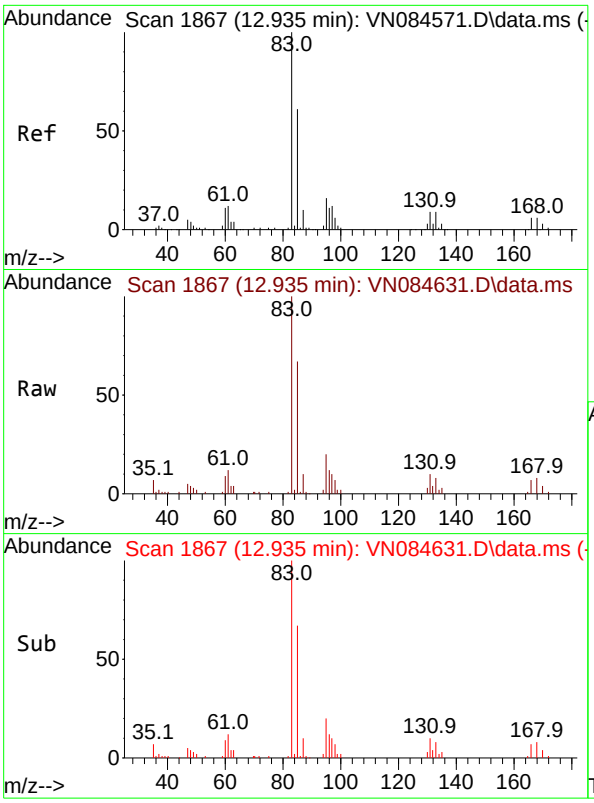


#74
N-amyl acetate
Concen: 18.112 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 43 Resp: 79438

Ion	Ratio	Lower	Upper
43	100		
70	45.8	34.4	51.6
55	27.3	19.6	29.4
61	24.5	19.6	29.4



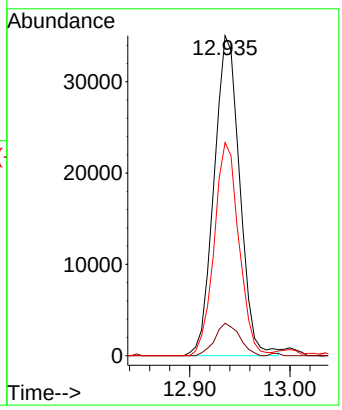


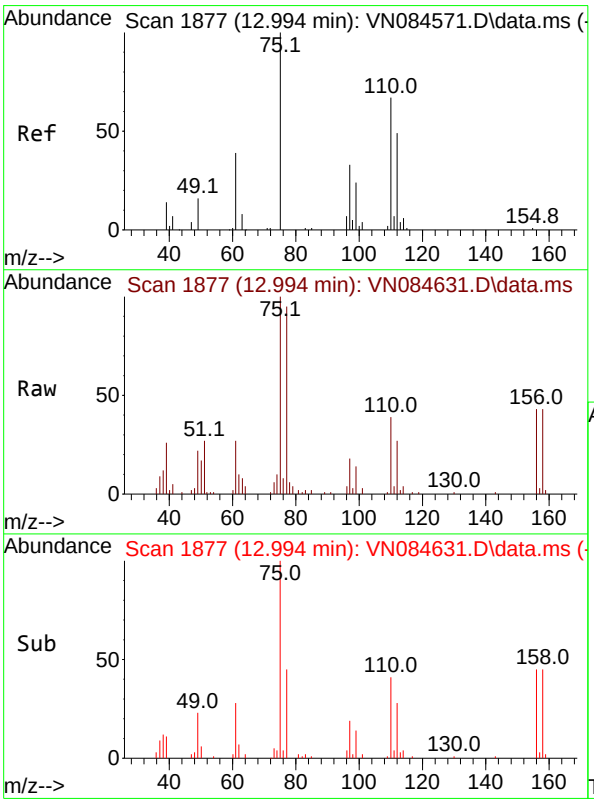
#75
1,1,2,2-Tetrachloroethane
Concen: 18.101 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 83 Resp: 62261

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	64.0	31.9	95.7

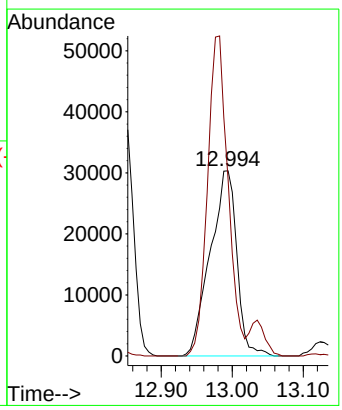


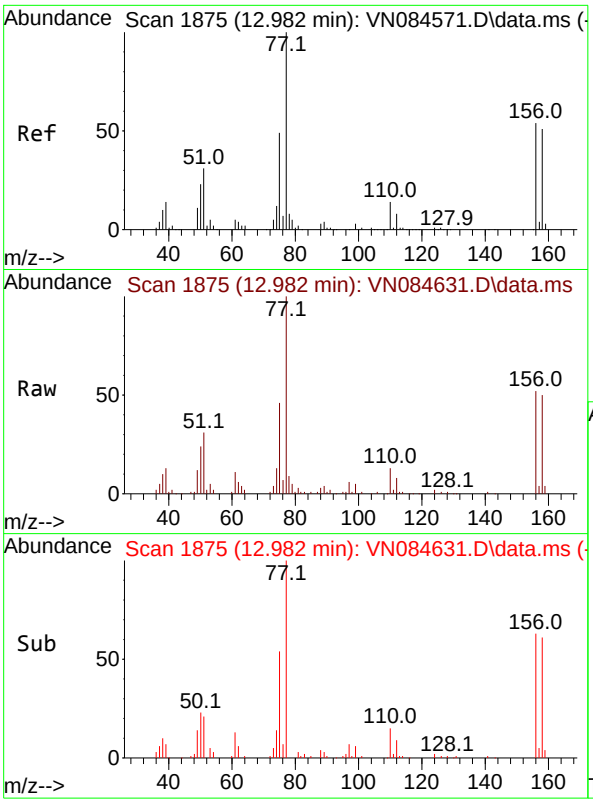


#76
1,2,3-Trichloropropane
Concen: 26.822 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 78842

Ion	Ratio	Lower	Upper
75	100		
77	133.7	96.9	290.7



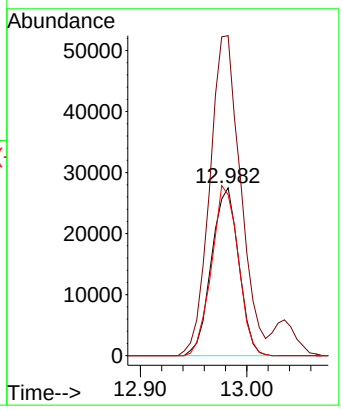


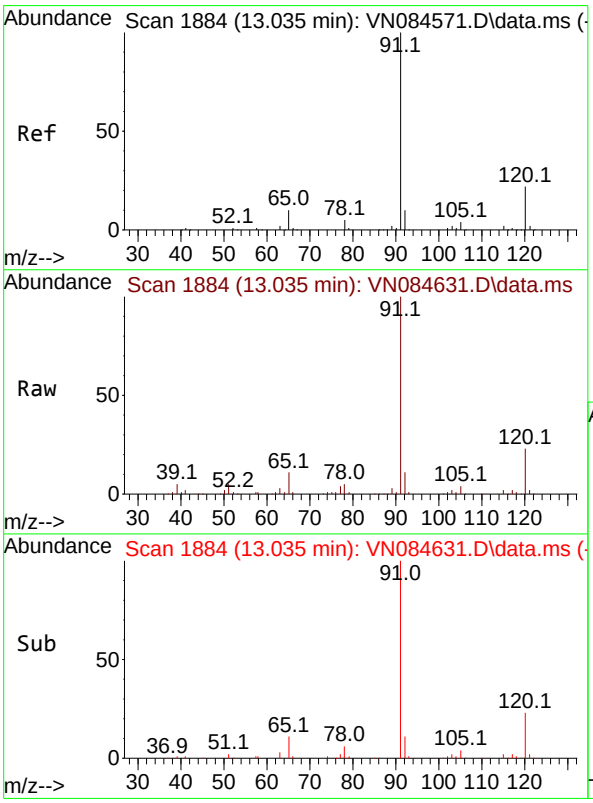
#77
Bromobenzene
Concen: 17.662 ug/l
RT: 12.982 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:156 Resp: 48929

Ion	Ratio	Lower	Upper
156	100		
77	215.4	115.1	345.3
158	99.1	48.9	146.8

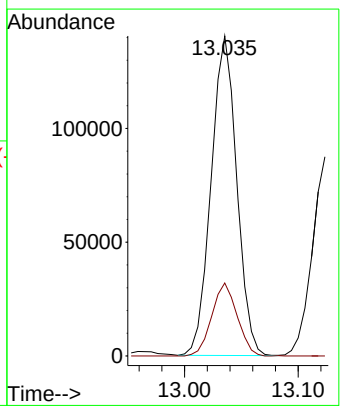


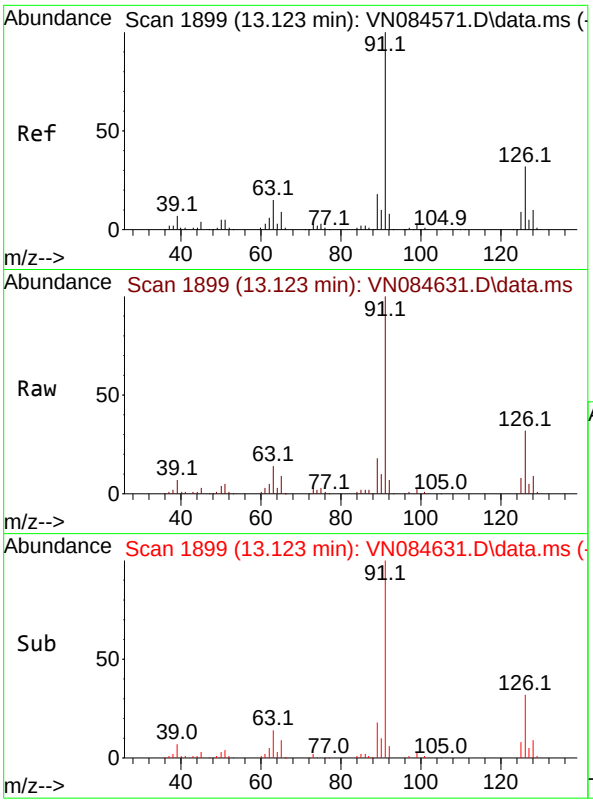


#78
n-propylbenzene
Concen: 18.224 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 220072

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4



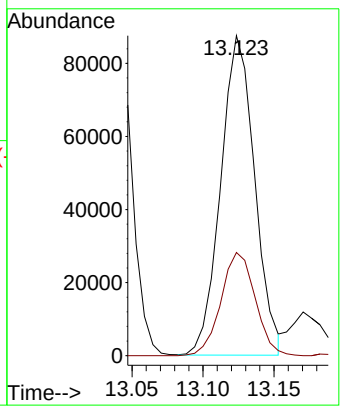


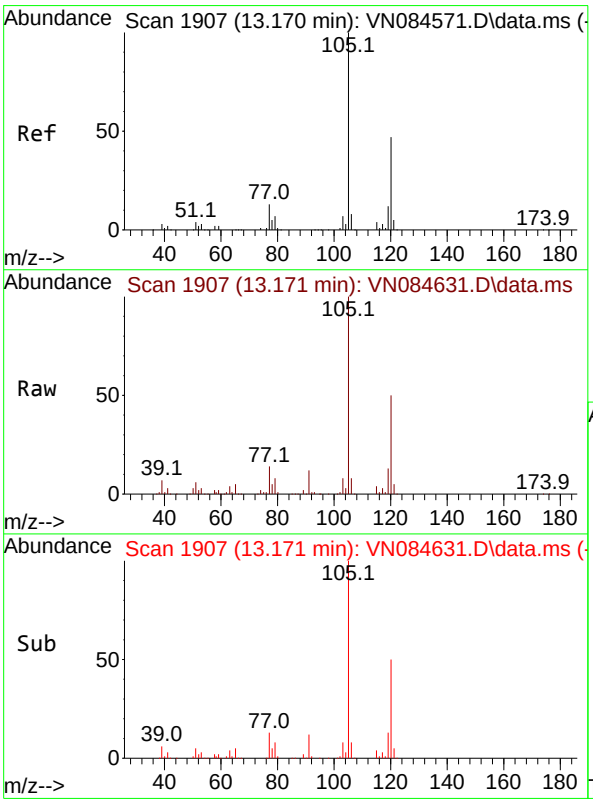
#79
2-Chlorotoluene
Concen: 18.441 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 91 Resp: 145506

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

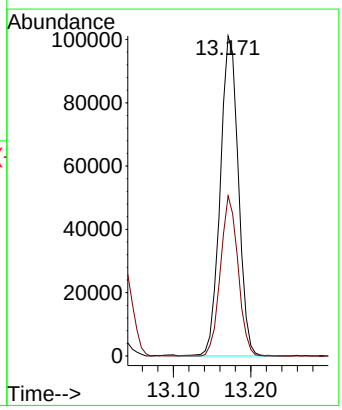


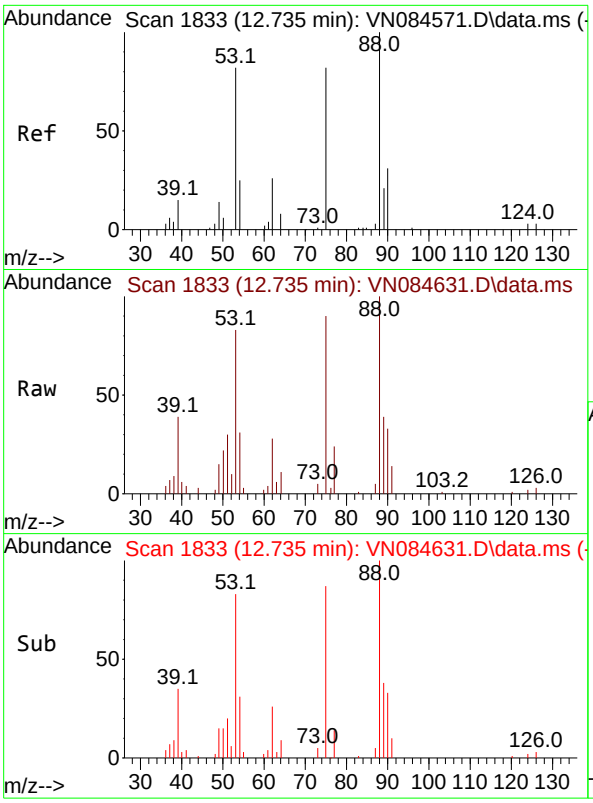


#80
1,3,5-Trimethylbenzene
Concen: 19.222 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 164177

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.7	71.1



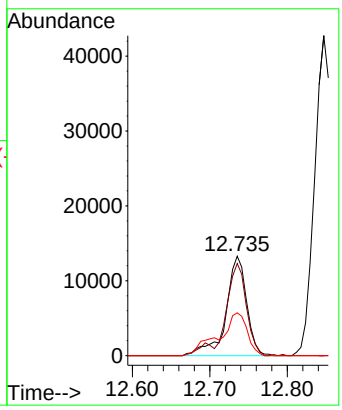


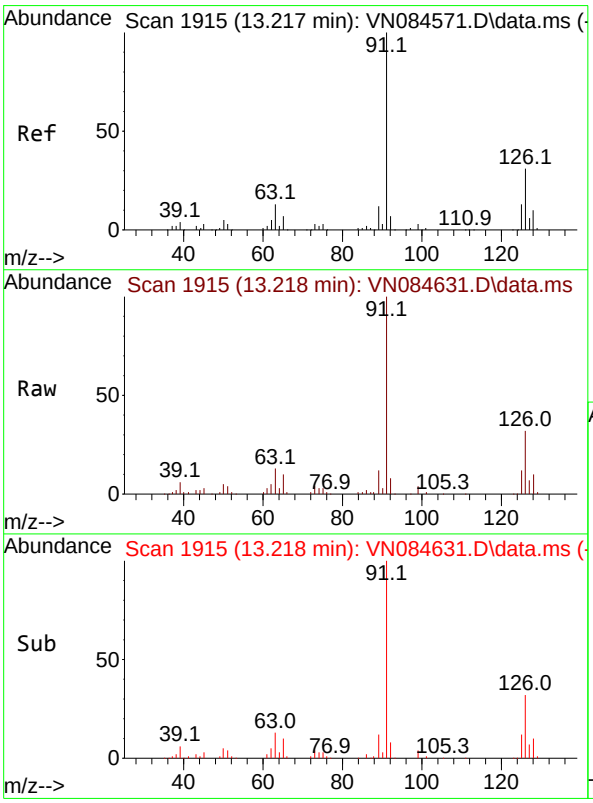
#81
trans-1,4-Dichloro-2-butene
Concen: 20.001 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 75 Resp: 24782

Ion	Ratio	Lower	Upper
75	100		
53	84.4	78.0	117.0
89	58.4	35.5	53.3#

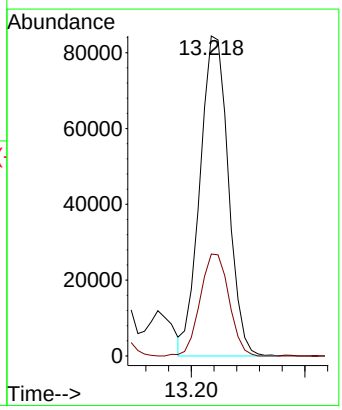


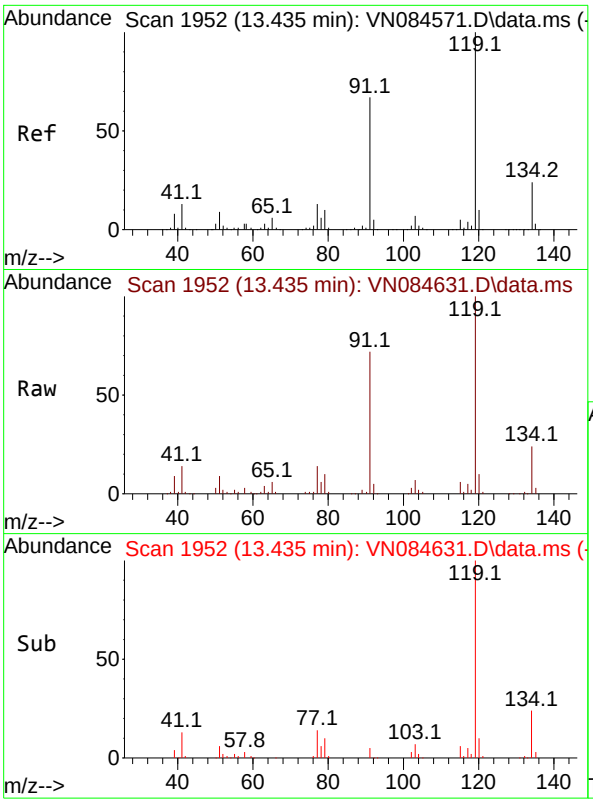


#82
4-Chlorotoluene
Concen: 17.670 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 91 Resp: 146733

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1



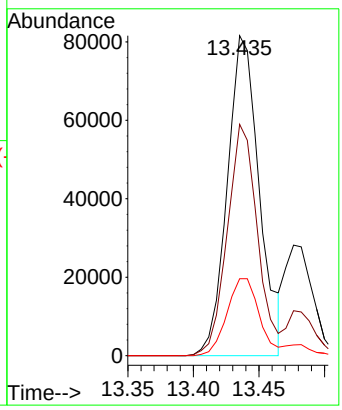


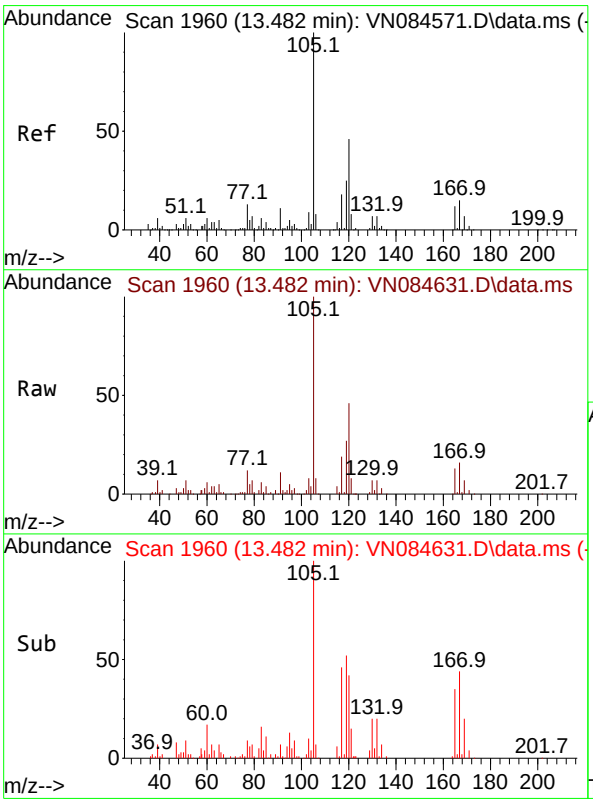
#83
tert-Butylbenzene
Concen: 19.657 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:119 Resp: 138949

Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.1	12.8	38.4

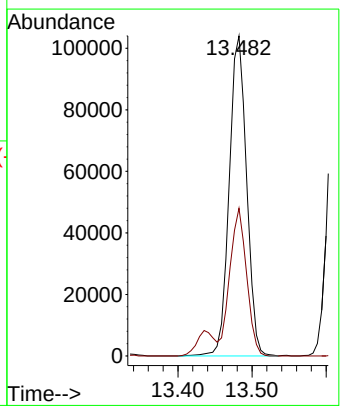


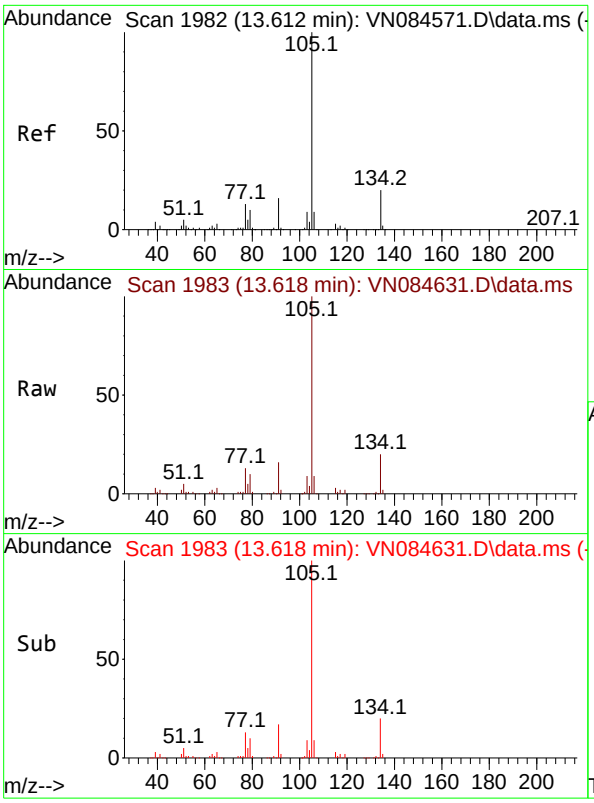


#84
1,2,4-Trimethylbenzene
Concen: 19.200 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:105 Resp: 169251

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8



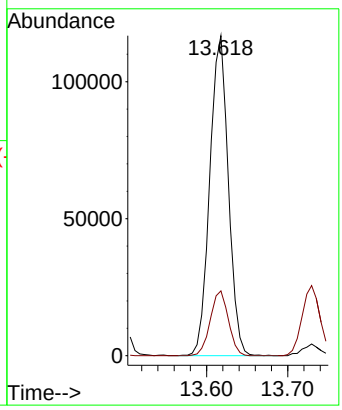


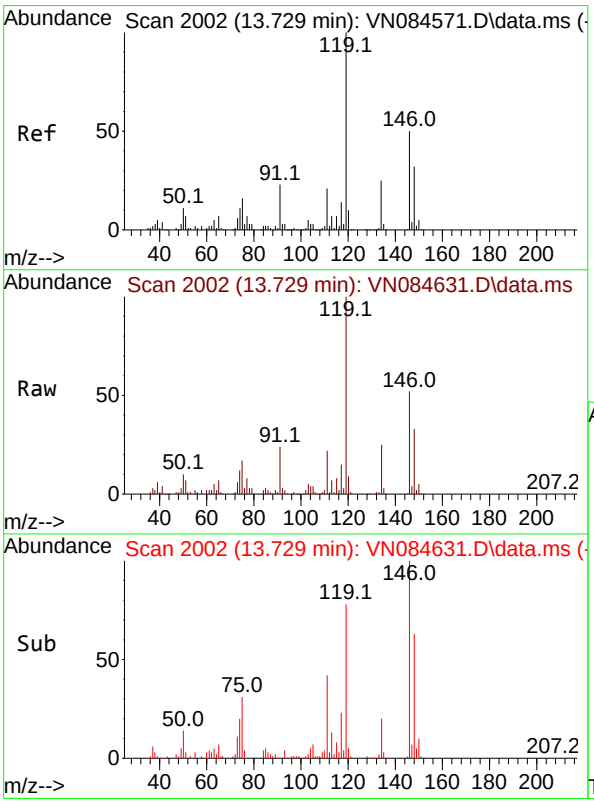
#85
sec-Butylbenzene
Concen: 18.558 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:105 Resp: 185297

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.8	29.4

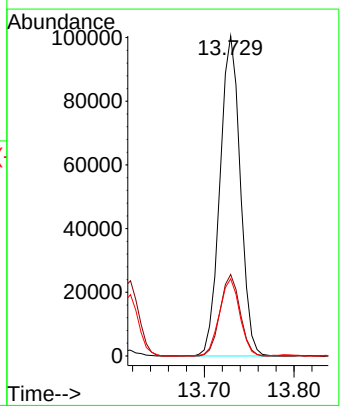


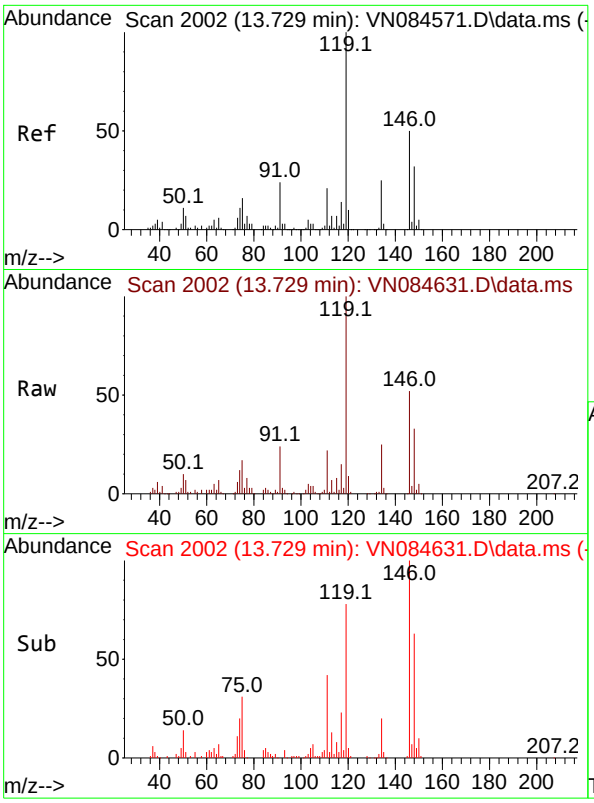


#86
p-Isopropyltoluene
Concen: 19.288 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:119 Resp: 157950

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.6	37.8
91	24.1	12.4	37.2



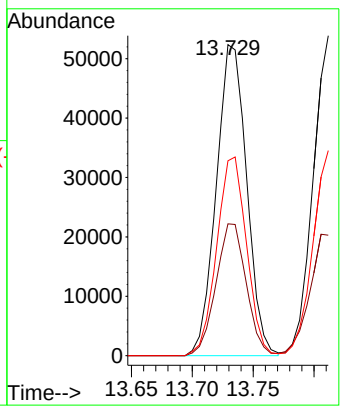


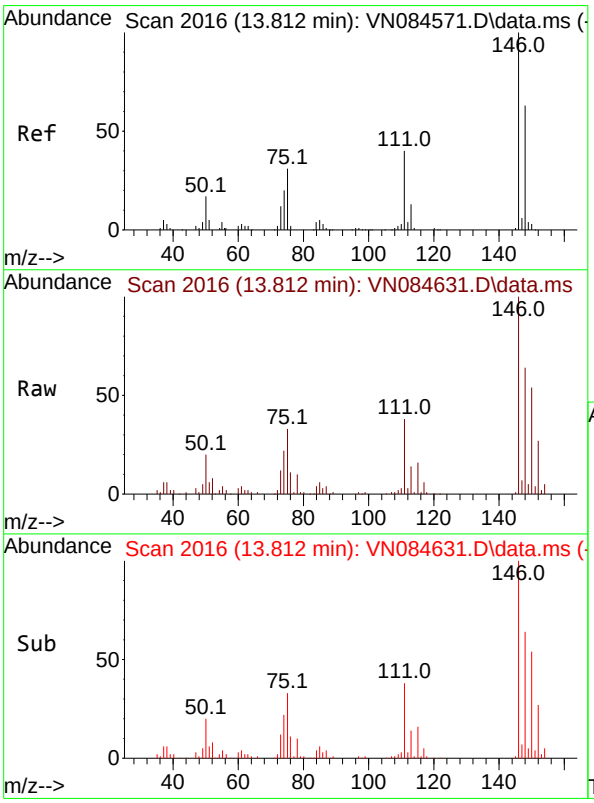
#87
1,3-Dichlorobenzene
Concen: 16.849 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:146 Resp: 91095

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.8	65.3
148	62.6	31.9	95.7

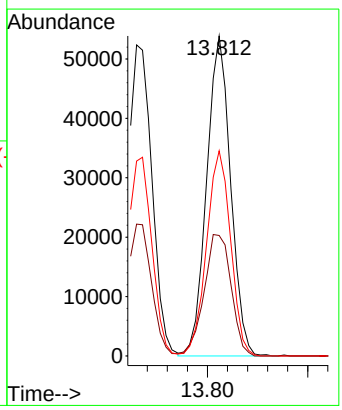


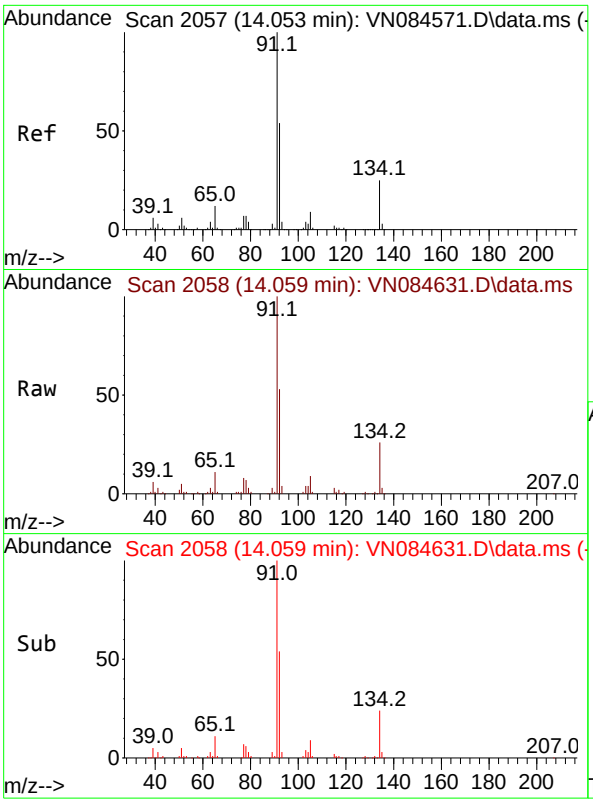


#88
1,4-Dichlorobenzene
Concen: 17.266 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:146 Resp: 89211

Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.2	63.6
148	64.5	31.9	95.9



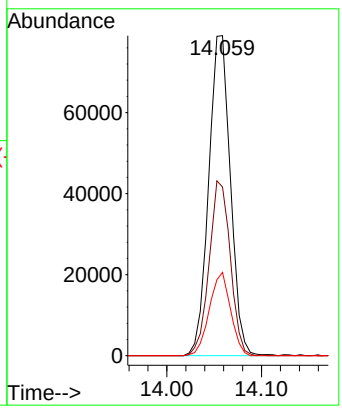


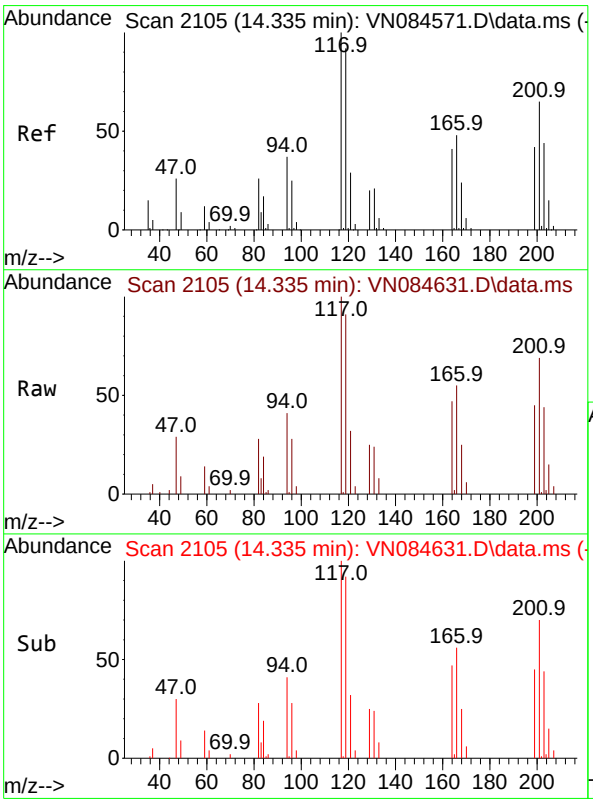
#89
n-Butylbenzene
Concen: 16.453 ug/l
RT: 14.059 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion: 91 Resp: 126030

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	25.4	12.3	36.9

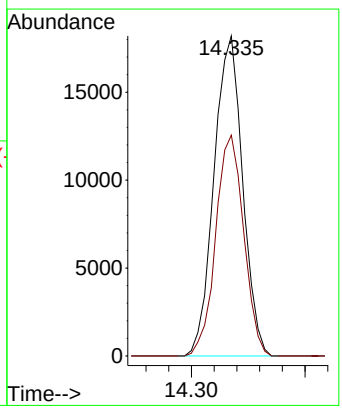


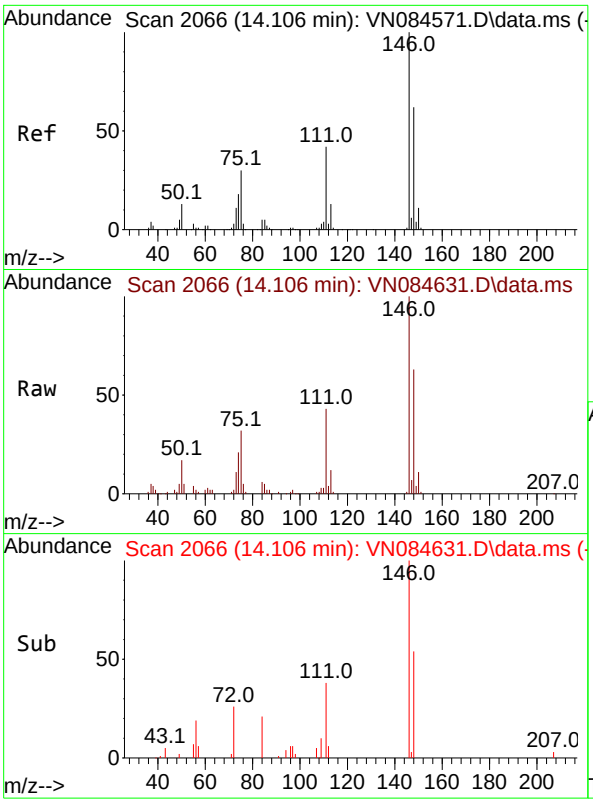


#90
Hexachloroethane
Concen: 17.431 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:117 Resp: 31832

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.4	103.2



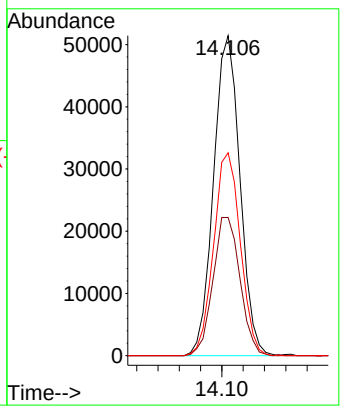


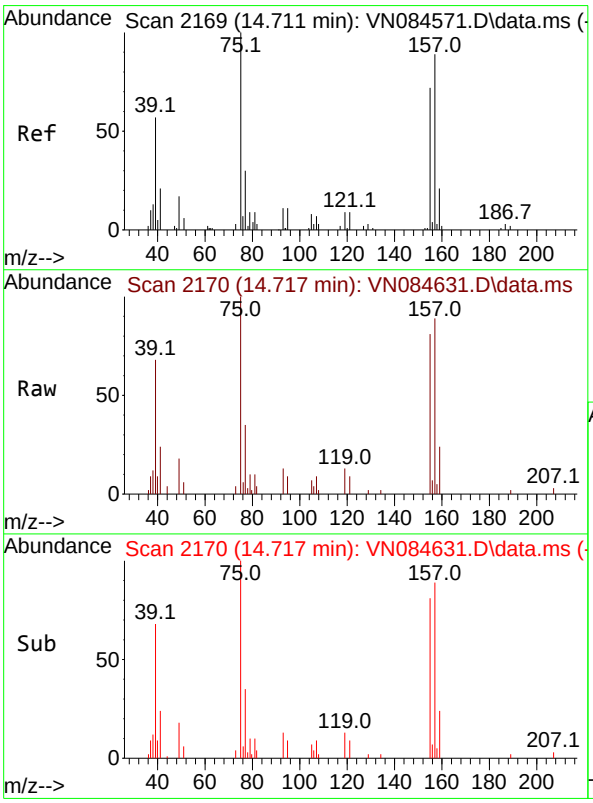
#91
1,2-Dichlorobenzene
Concen: 17.005 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:146 Resp: 88346

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	64.2	32.1	96.3

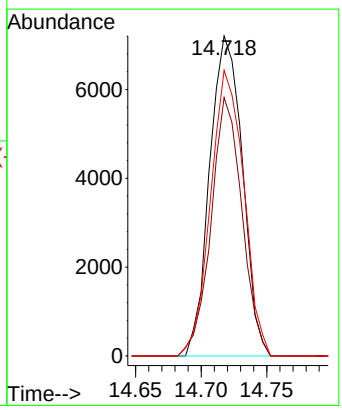


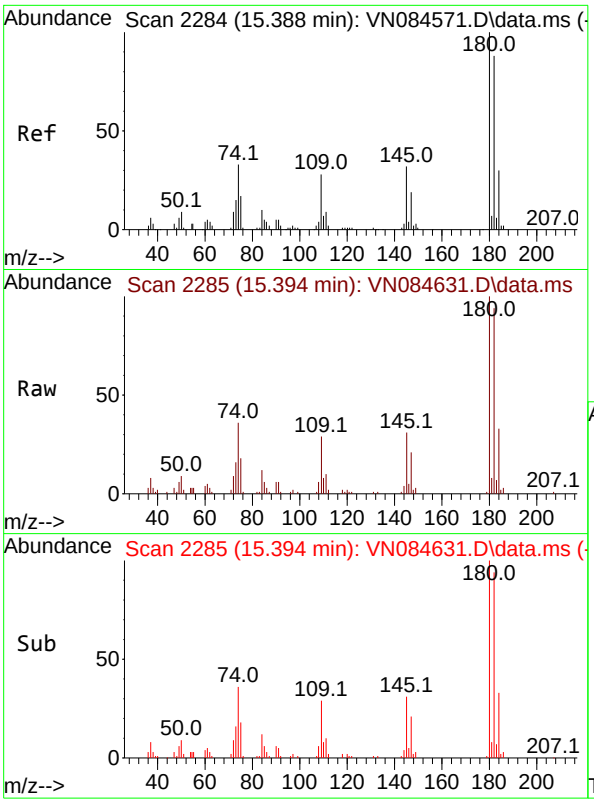


#92
1,2-Dibromo-3-Chloropropane
Concen: 17.920 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion: 75 Resp: 12487

Ion	Ratio	Lower	Upper
75	100		
155	76.2	38.1	114.5
157	90.5	49.6	149.0



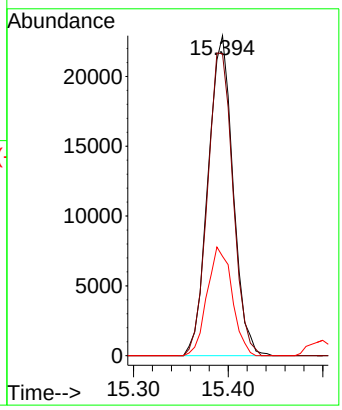


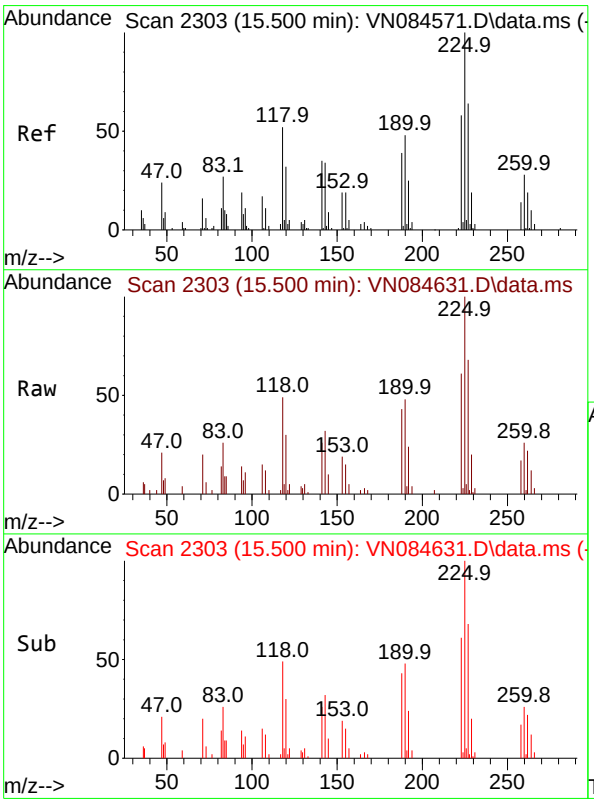
#93
1,2,4-Trichlorobenzene
Concen: 14.695 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:180 Resp: 41786

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.0	141.0
145	34.1	16.4	49.4

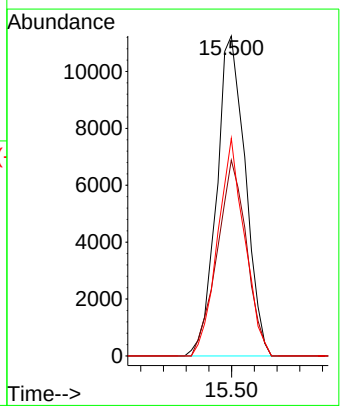


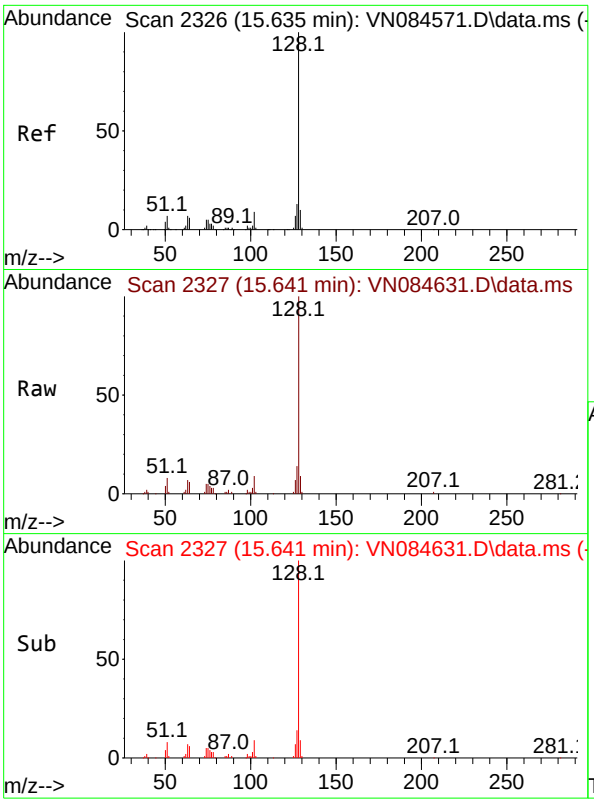


#94
Hexachlorobutadiene
Concen: 15.799 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:225 Resp: 19729

Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.4	97.2
227	64.2	32.4	97.0



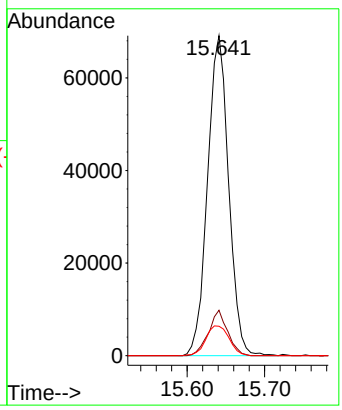


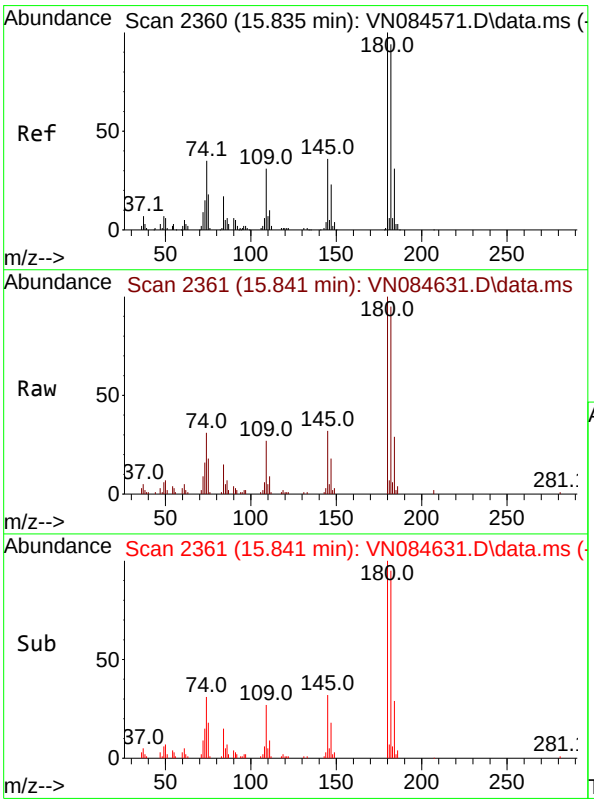
#95
Naphthalene
Concen: 15.357 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBS01

Tgt Ion:128 Resp: 130709

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.3	8.7	13.1

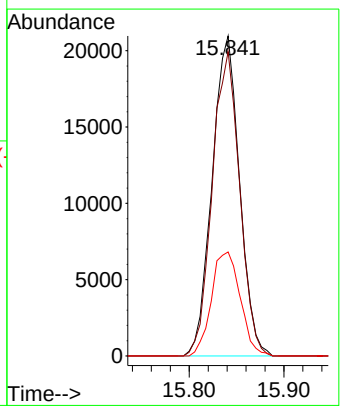




#96
1,2,3-Trichlorobenzene
Concen: 15.273 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084631.D
Acq: 01 Nov 2024 12:08

Tgt Ion:180 Resp: 42159

Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	34.2	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Quant Time: Nov 04 04:25:11 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	179647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116705	44.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.960%			
35) Dibromofluoromethane	8.165	113	95578	46.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	10.565	98	350812	46.293	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.580%			
62) 4-Bromofluorobenzene	12.847	95	131770	46.526	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39968	19.353	ug/l	97
3) Chloromethane	2.365	50	44651	16.750	ug/l	100
4) Vinyl Chloride	2.512	62	41926	18.875	ug/l	96
5) Bromomethane	2.901	94	21697	18.436	ug/l	93
6) Chloroethane	3.071	64	27307	18.995	ug/l	95
7) Trichlorofluoromethane	3.465	101	73409	20.063	ug/l	94
8) Diethyl Ether	3.948	74	26516	20.543	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	40756	19.712	ug/l	96
10) Methyl Iodide	4.577	142	53396	19.324	ug/l	95
11) Tert butyl alcohol	5.542	59	32016	93.479	ug/l	98
12) 1,1-Dichloroethene	4.324	96	37823	18.488	ug/l	96
13) Acrolein	4.177	56	35001	102.484	ug/l	97
14) Allyl chloride	5.012	41	64716	19.506	ug/l	92
15) Acrylonitrile	5.718	53	104289	105.182	ug/l	98
16) Acetone	4.424	43	80384	105.601	ug/l	99
17) Carbon Disulfide	4.701	76	110433	17.529	ug/l	99
18) Methyl Acetate	5.012	43	56734	18.181	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	128070	20.424	ug/l	97
20) Methylene Chloride	5.271	84	44336	19.428	ug/l	86
21) trans-1,2-Dichloroethene	5.771	96	39898	18.993	ug/l	99
22) Diisopropyl ether	6.671	45	136989	20.780	ug/l	97
23) Vinyl Acetate	6.600	43	473087	104.061	ug/l	99
24) 1,1-Dichloroethane	6.559	63	78807	19.911	ug/l	96
25) 2-Butanone	7.483	43	126655	104.629	ug/l	99
26) 2,2-Dichloropropane	7.489	77	68278	19.820	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	48150	19.630	ug/l	98
28) Bromochloromethane	7.812	49	34905	22.135	ug/l	93
29) Tetrahydrofuran	7.841	42	83561	104.051	ug/l	96
30) Chloroform	7.959	83	80798	20.057	ug/l	96
31) Cyclohexane	8.253	56	69908	19.515	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	73597	20.072	ug/l	98
36) 1,1-Dichloropropene	8.365	75	54311	19.036	ug/l	99
37) Ethyl Acetate	7.559	43	54883	21.202	ug/l	98
38) Carbon Tetrachloride	8.359	117	63997	20.068	ug/l	98
39) Methylcyclohexane	9.600	83	56902	19.604	ug/l	99
40) Benzene	8.600	78	178059	19.433	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Quant Time: Nov 04 04:25:11 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	29975	21.533	ug/l		96
42) 1,2-Dichloroethane	8.671	62	60410	20.358	ug/l		98
43) Isopropyl Acetate	8.688	43	94407	19.145	ug/l		99
44) Trichloroethene	9.347	130	40547	19.188	ug/l		97
45) 1,2-Dichloropropane	9.624	63	43144	20.073	ug/l		99
46) Dibromomethane	9.706	93	29954	19.750	ug/l		96
47) Bromodichloromethane	9.888	83	64340	20.125	ug/l		93
48) Methyl methacrylate	9.683	41	41114	20.408	ug/l		96
49) 1,4-Dioxane	9.700	88	15620	437.525	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	269825	109.342	ug/l		99
52) Toluene	10.630	92	111675	20.840	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	63947	19.323	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	68709	19.617	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	42554	21.081	ug/l		94
56) Ethyl methacrylate	10.871	69	62143	21.283	ug/l		98
57) 1,3-Dichloropropane	11.159	76	70269	20.283	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	137129	100.367	ug/l		98
59) 2-Hexanone	11.194	43	194808	108.454	ug/l		97
60) Dibromochloromethane	11.359	129	48478	21.072	ug/l		100
61) 1,2-Dibromoethane	11.465	107	42488	20.554	ug/l		96
64) Tetrachloroethene	11.100	164	36361	19.779	ug/l		95
65) Chlorobenzene	11.888	112	116675	18.870	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	42973	19.982	ug/l		99
67) Ethyl Benzene	11.965	91	200430	19.420	ug/l		99
68) m/p-Xylenes	12.071	106	155447	39.784	ug/l		98
69) o-Xylene	12.400	106	73499	20.108	ug/l		98
70) Styrene	12.412	104	128498	20.153	ug/l		98
71) Bromoform	12.576	173	31565	19.505	ug/l	#	97
73) Isopropylbenzene	12.694	105	187731	19.185	ug/l		100
74) N-amyl acetate	12.494	43	80040	19.218	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61000	18.676	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	80030	28.671	ug/l		57
77) Bromobenzene	12.976	156	48197	18.321	ug/l		93
78) n-propylbenzene	13.035	91	219361	19.130	ug/l		99
79) 2-Chlorotoluene	13.124	91	142054	18.959	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	161079	19.861	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	21497	18.271	ug/l		97
82) 4-Chlorotoluene	13.218	91	143409	18.187	ug/l		97
83) tert-Butylbenzene	13.435	119	137807	20.530	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	164356	19.634	ug/l		98
85) sec-Butylbenzene	13.612	105	184495	19.458	ug/l		99
86) p-Isopropyltoluene	13.729	119	155045	19.939	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	89011	17.338	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	90455	18.501	ug/l		100
89) n-Butylbenzene	14.053	91	126197	17.349	ug/l		99
90) Hexachloroethane	14.329	117	30596	17.643	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	89620	18.166	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12000	18.135	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	43138	15.975	ug/l		99
94) Hexachlorobutadiene	15.500	225	19708	16.620	ug/l		98
95) Naphthalene	15.641	128	131737	16.299	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	42176	16.090	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Quant Time: Nov 04 04:25:11 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

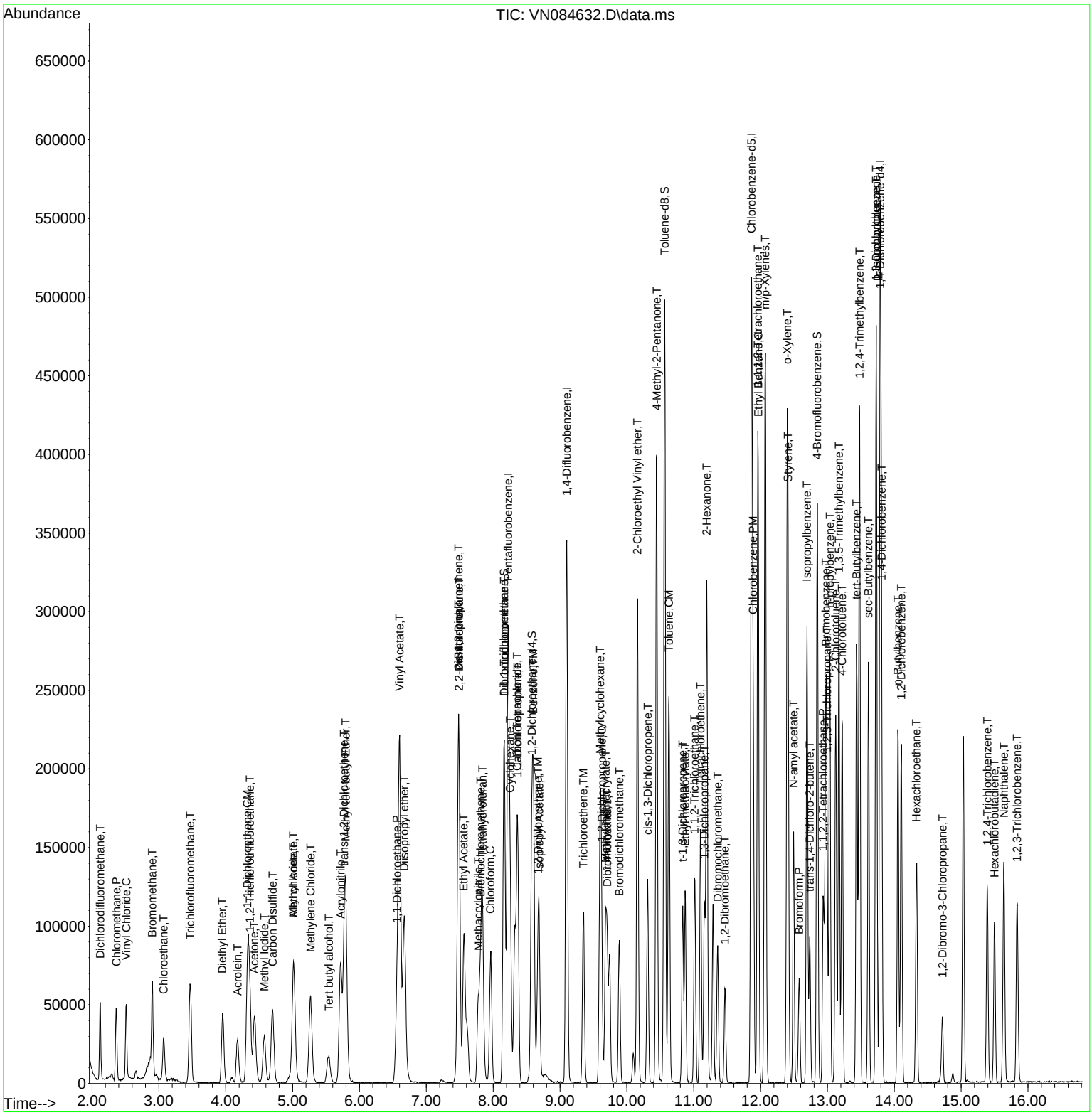
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

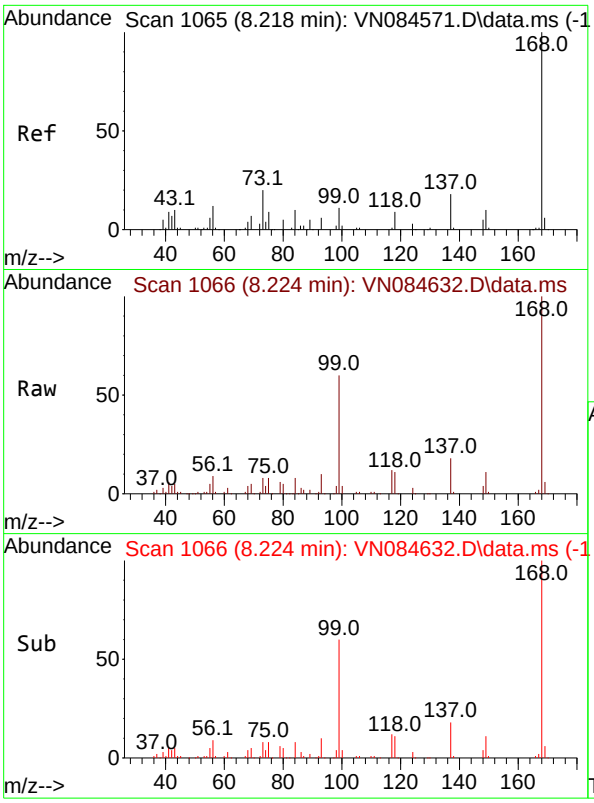
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084632.D
Acq On : 01 Nov 2024 12:32
Operator : JC\MD
Sample : VN1101WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Quant Time: Nov 04 04:25:11 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



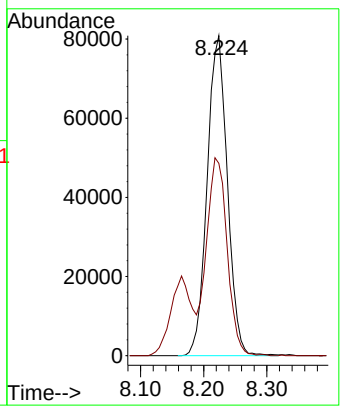


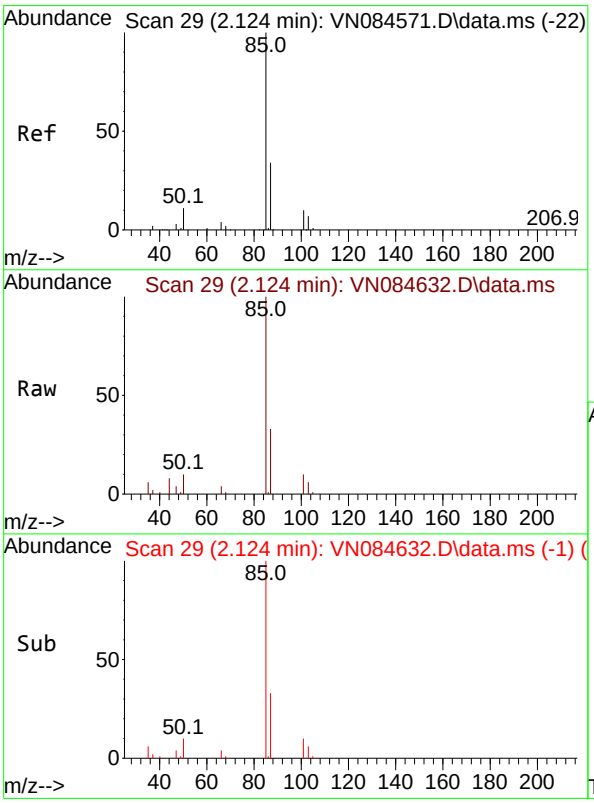
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:168 Resp: 179647

Ion	Ratio	Lower	Upper
168	100		
99	60.1	54.2	81.2

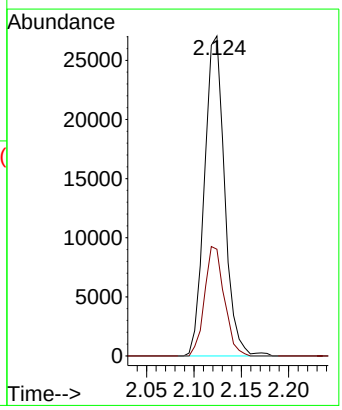


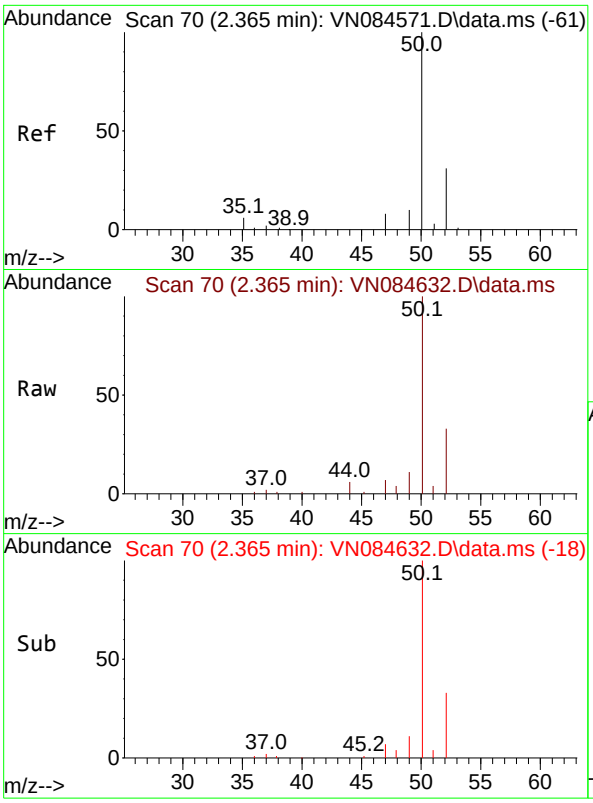


#2
Dichlorodifluoromethane
Concen: 19.353 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 85 Resp: 39968

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.6	52.9



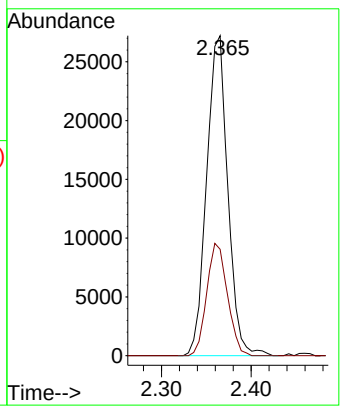


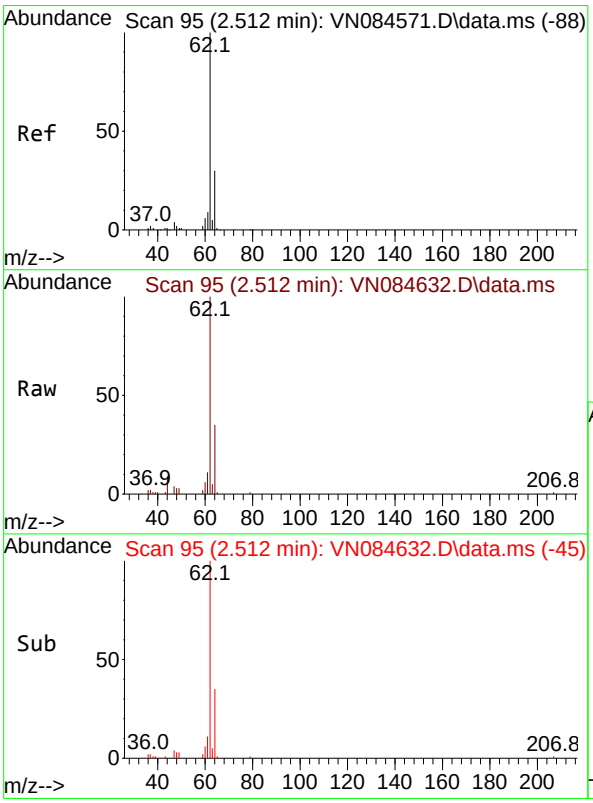
#3
Chloromethane
Concen: 16.750 ug/l
RT: 2.365 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 50 Resp: 44651

Ion	Ratio	Lower	Upper
50	100		
52	33.2	26.8	40.2

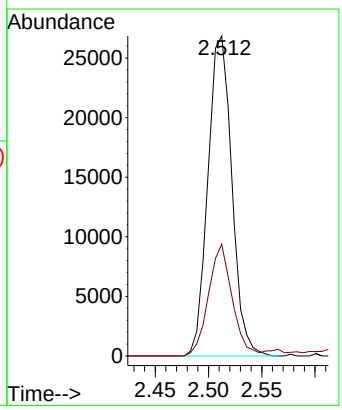


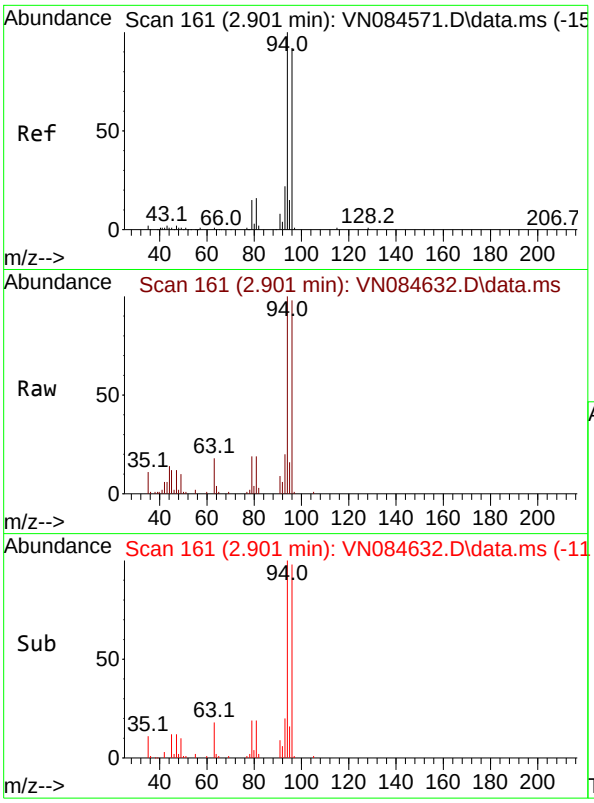


#4
Vinyl Chloride
Concen: 18.875 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 62 Resp: 41926

Ion	Ratio	Lower	Upper
62	100		
64	34.9	26.2	39.4



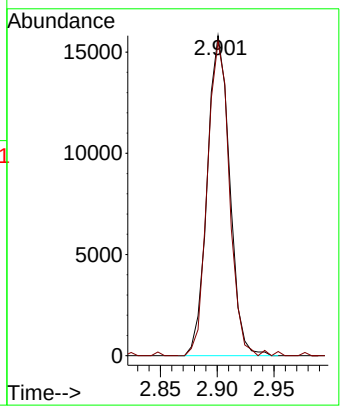


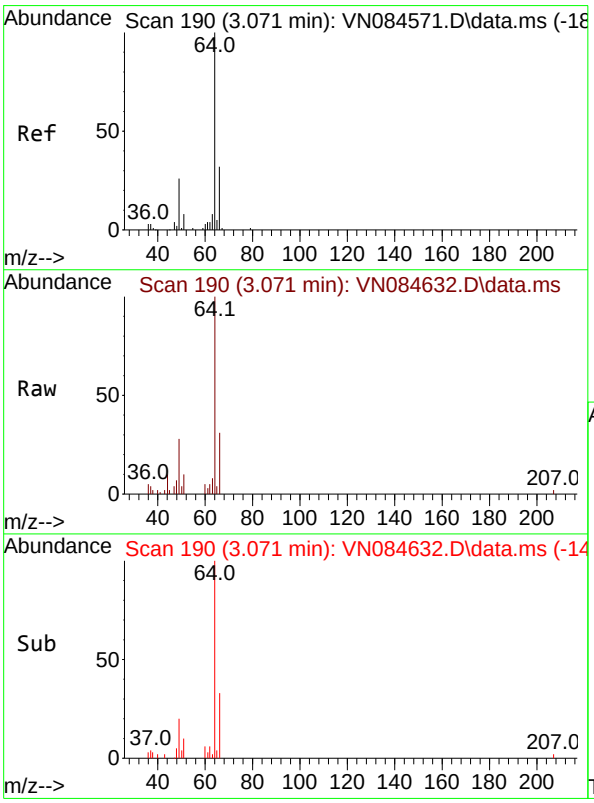
#5
Bromomethane
Concen: 18.436 ug/l
RT: 2.901 min Scan# 1
Delta R.T. -0.052 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 94 Resp: 21697

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.9	109.3

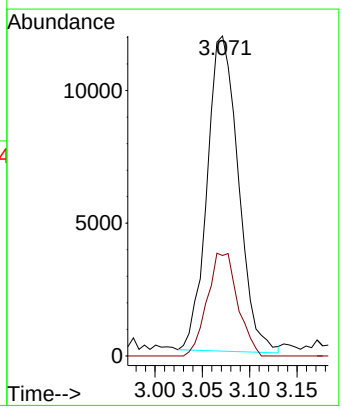


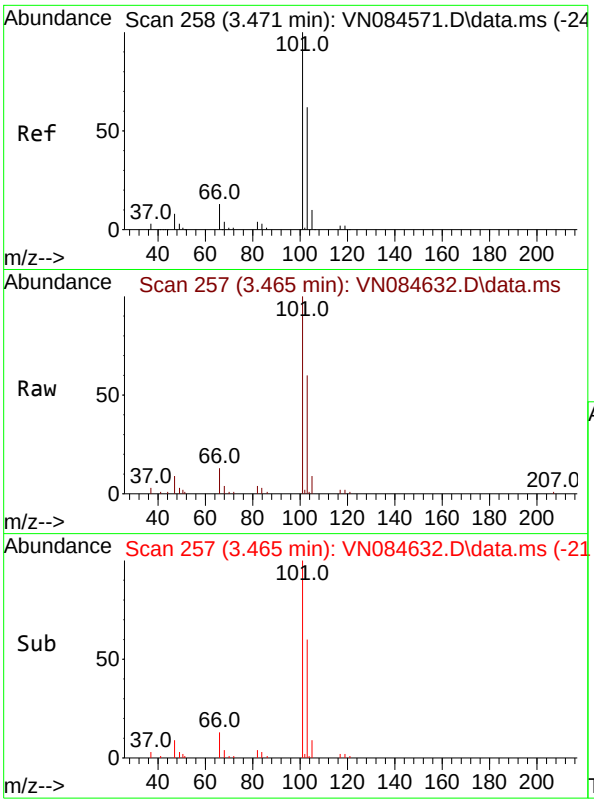


#6
Chloroethane
Concen: 18.995 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.047 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 64 Resp: 27307

Ion	Ratio	Lower	Upper
64	100		
66	32.0	23.5	35.3



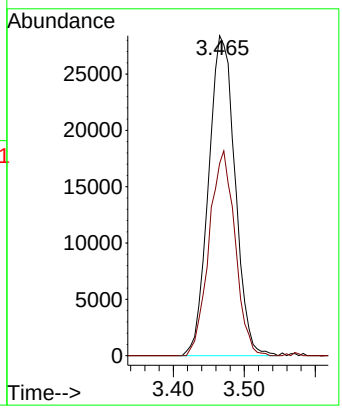


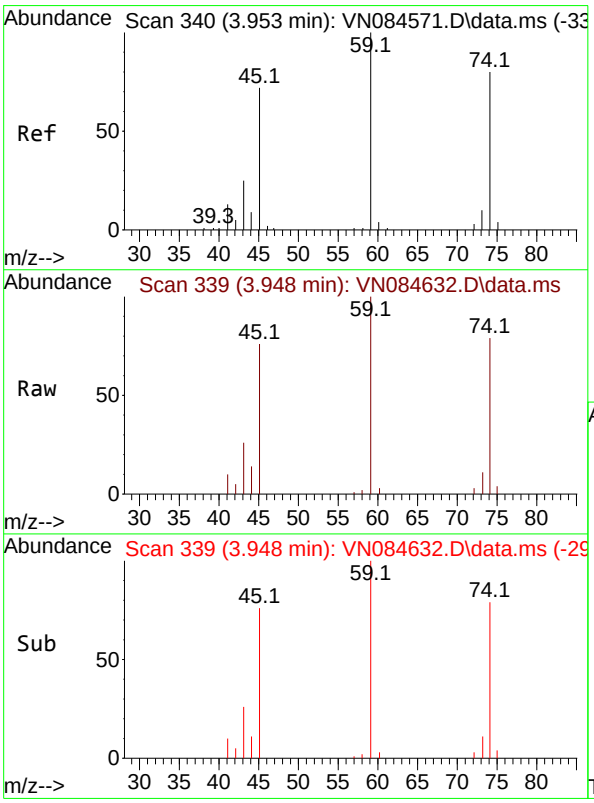
#7
Trichlorofluoromethane
Concen: 20.063 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:101 Resp: 73409

Ion	Ratio	Lower	Upper
101	100		
103	60.1	51.8	77.6

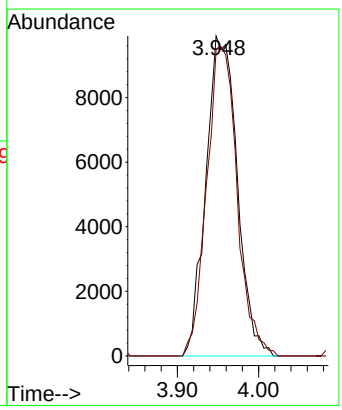


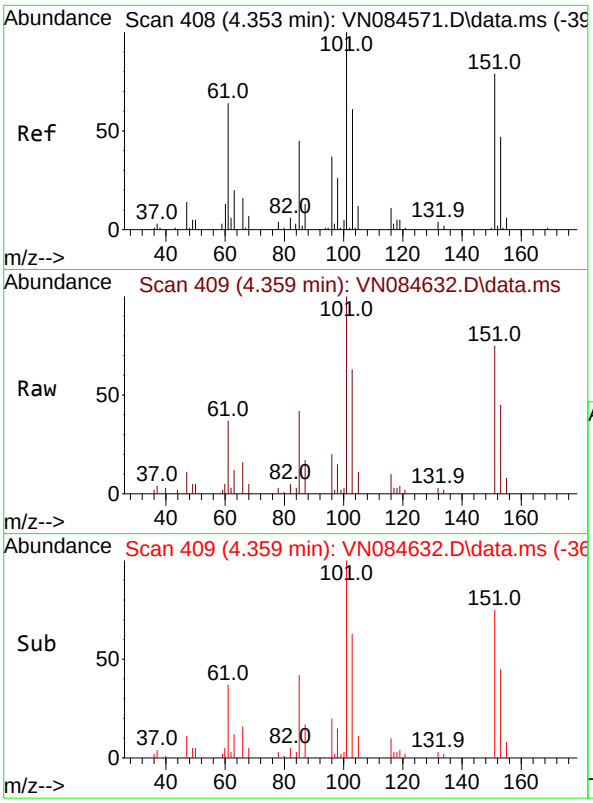


#8
Diethyl Ether
Concen: 20.543 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.011 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 74 Resp: 26516

Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.7	143.1



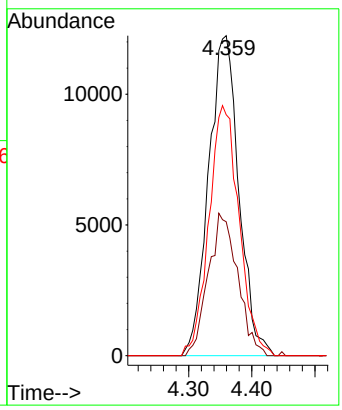


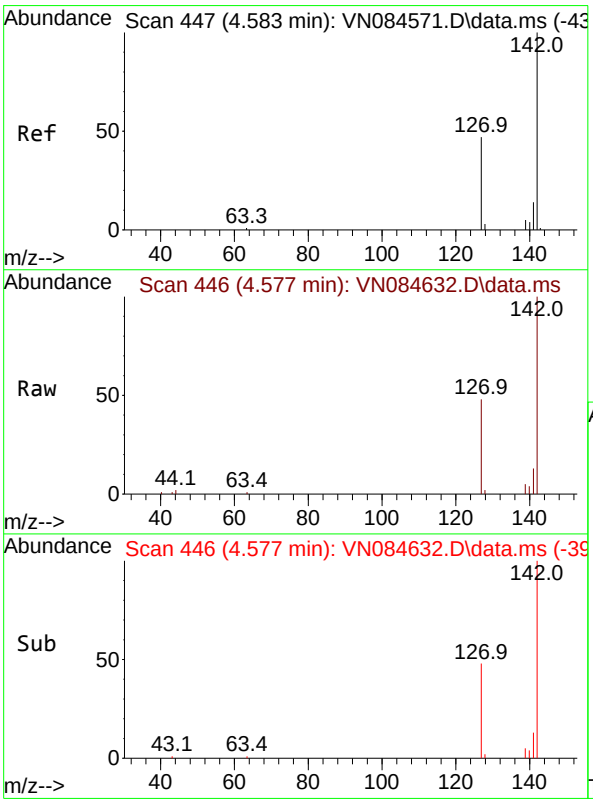
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.712 ug/l
RT: 4.359 min Scan# 4(
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:101 Resp: 40756

Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.2	54.4
151	77.9	59.3	88.9

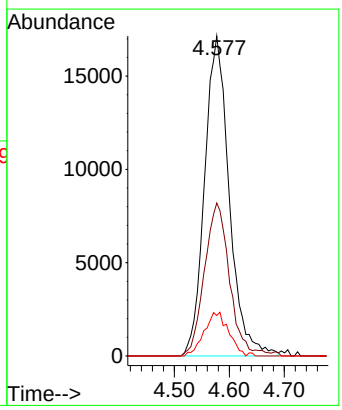


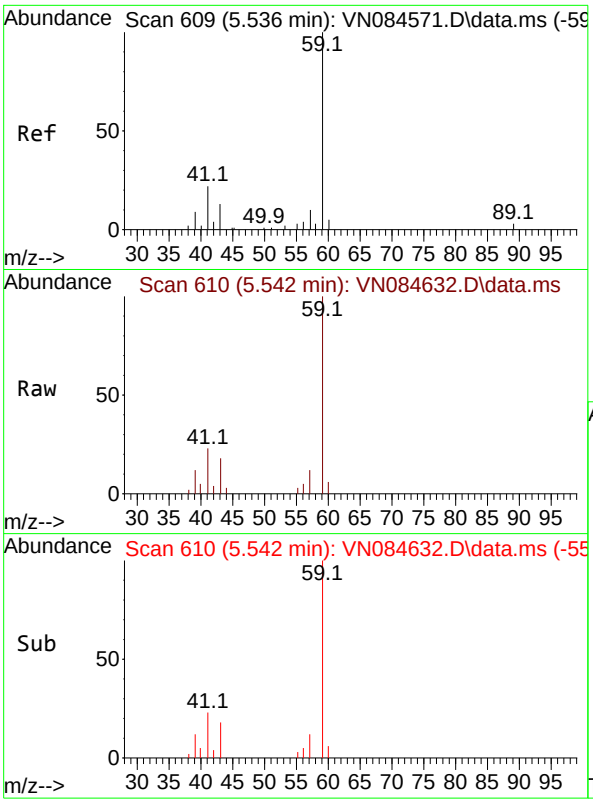


#10
Methyl Iodide
Concen: 19.324 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:142 Resp: 53396

Ion	Ratio	Lower	Upper
142	100		
127	47.8	35.3	52.9
141	12.6	11.0	16.6



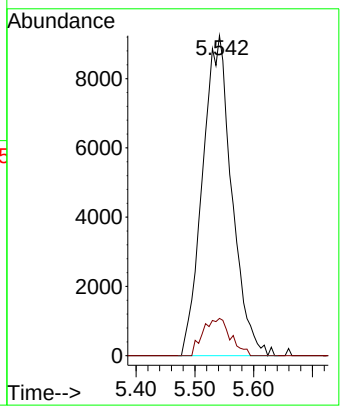


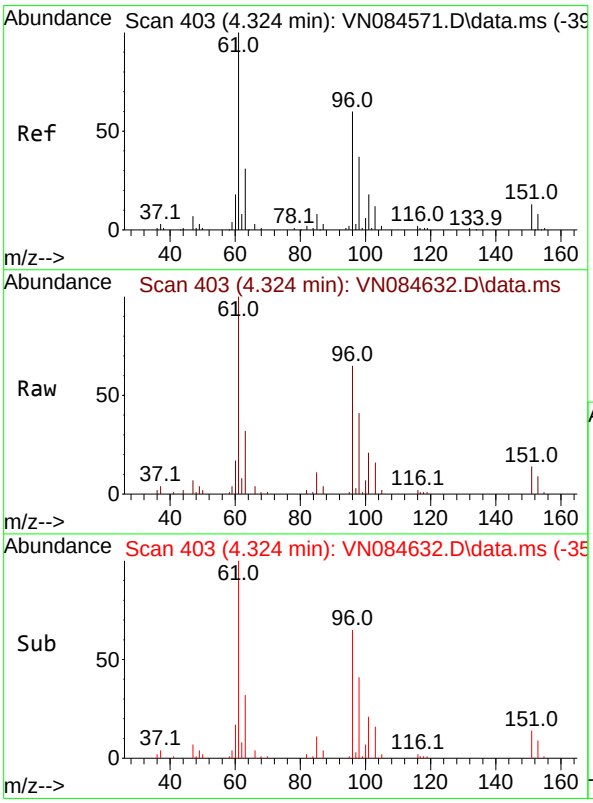
#11
Tert butyl alcohol
Concen: 93.479 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 59 Resp: 32016

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

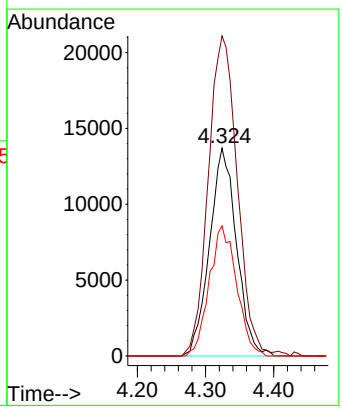


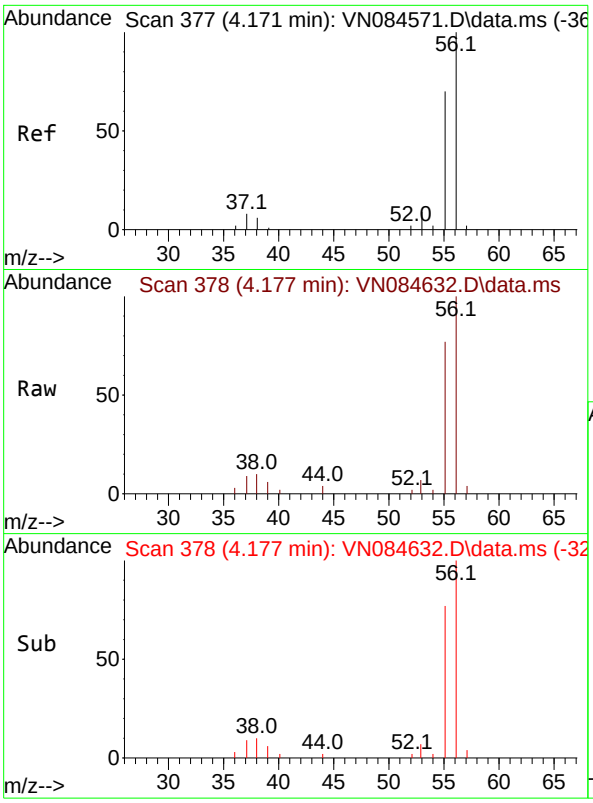


#12
1,1-Dichloroethene
Concen: 18.488 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 96 Resp: 37823

Ion	Ratio	Lower	Upper
96	100		
61	154.1	128.6	192.8
98	62.6	51.7	77.5



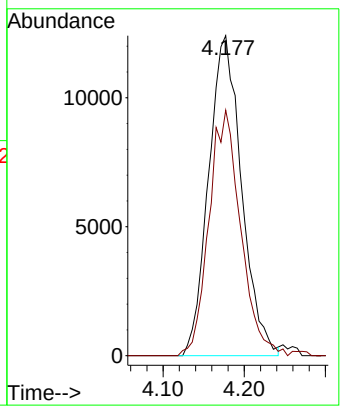


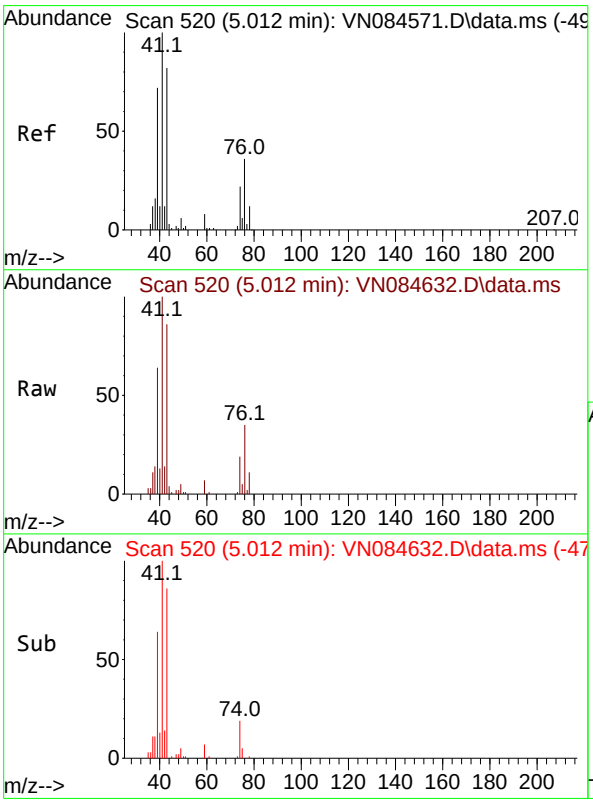
#13
Acrolein
Concen: 102.484 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 56 Resp: 35001

Ion	Ratio	Lower	Upper
56	100		
55	73.7	57.2	85.8

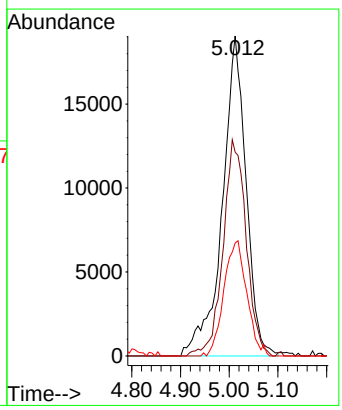


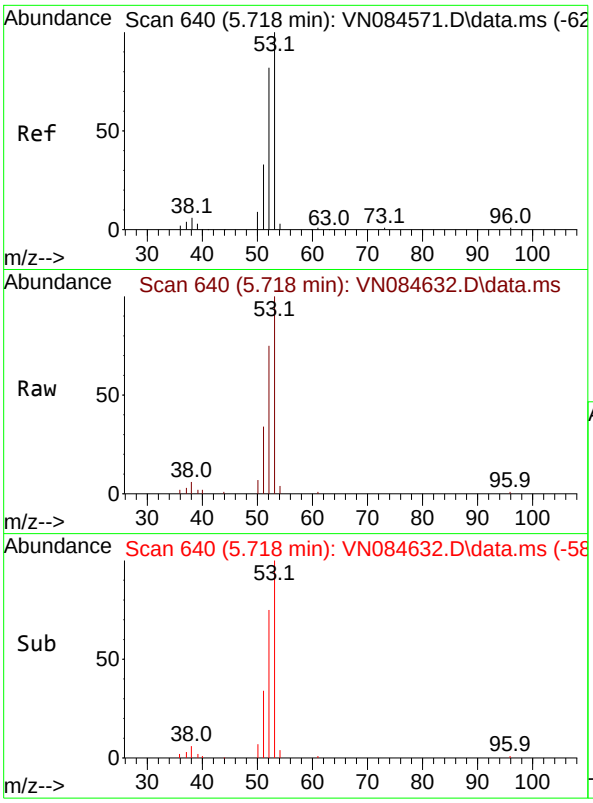


#14
Allyl chloride
Concen: 19.506 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 41 Resp: 64716

Ion	Ratio	Lower	Upper
41	100		
39	65.6	59.0	88.6
76	34.6	29.8	44.6



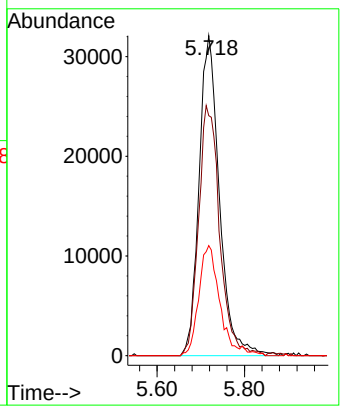


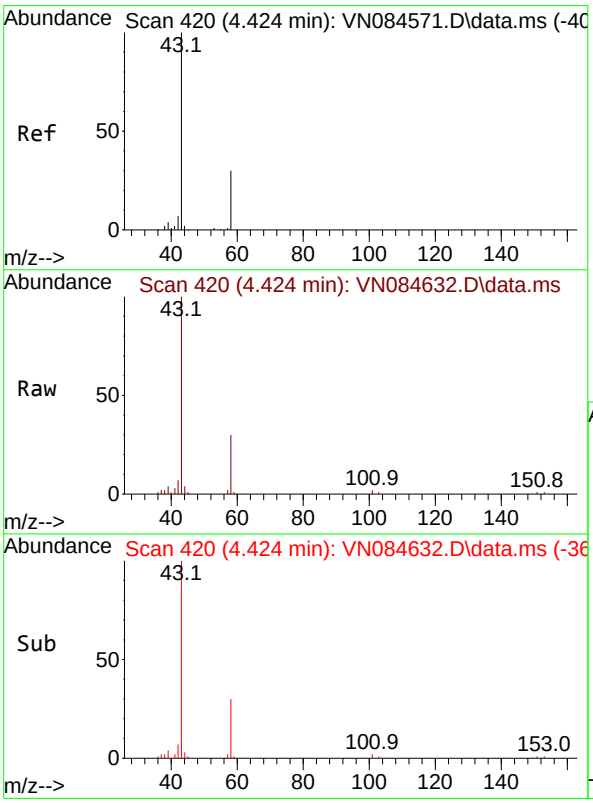
#15
Acrylonitrile
Concen: 105.182 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 53 Resp: 104289

Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.4
51	34.5	28.8	43.2

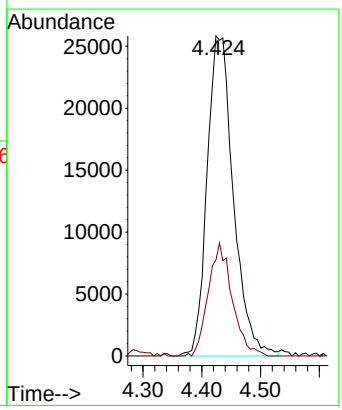


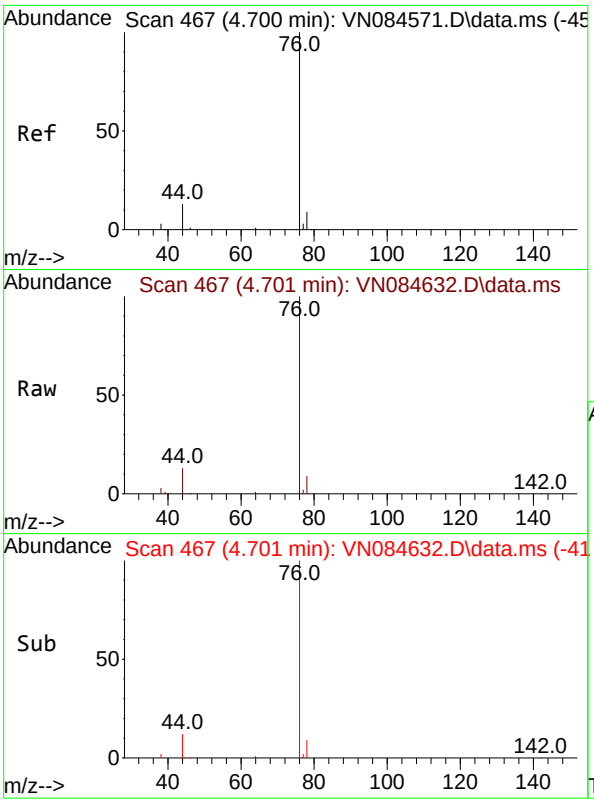


#16
Acetone
Concen: 105.601 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 80384

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.4	36.6



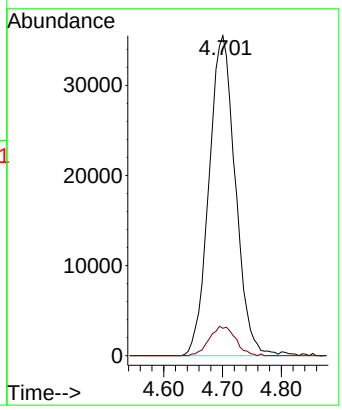


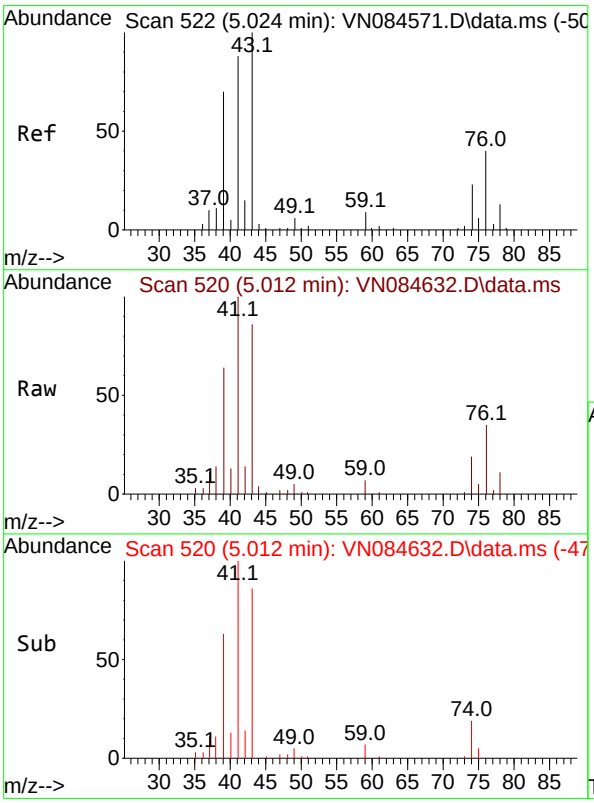
#17
Carbon Disulfide
Concen: 17.529 ug/l
RT: 4.701 min Scan# 4
Delta R.T. -0.011 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 76 Resp: 110433

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

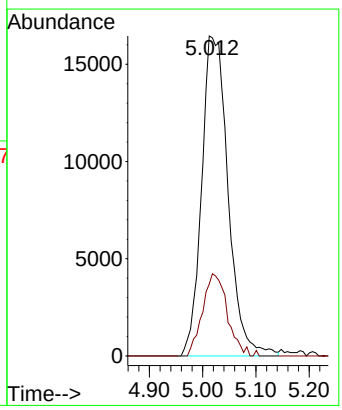


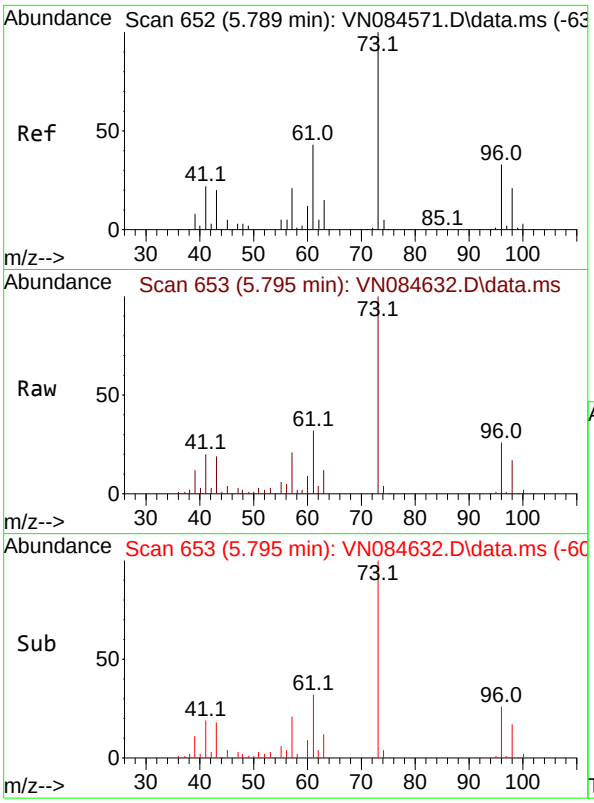


#18
Methyl Acetate
Concen: 18.181 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 56734

Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8



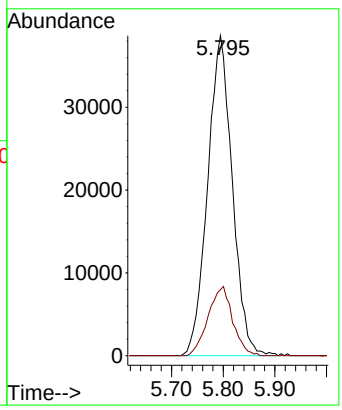


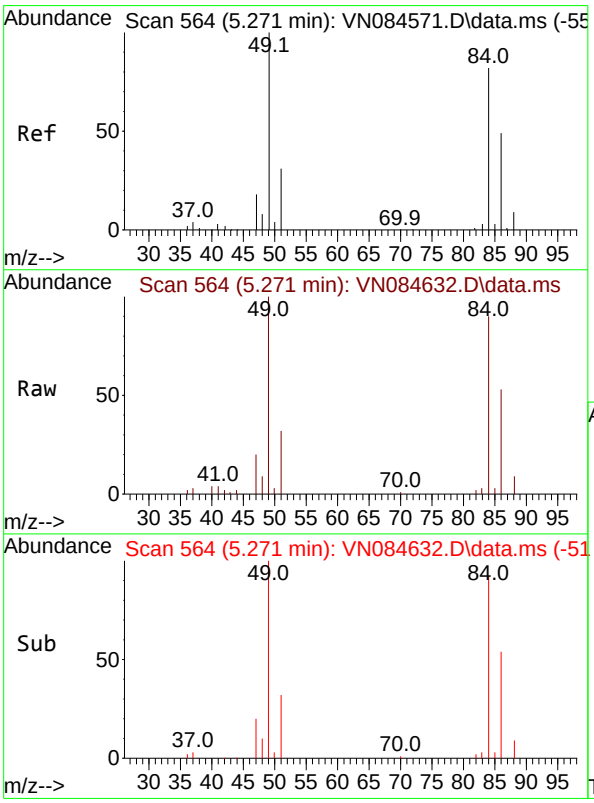
#19
Methyl tert-butyl Ether
Concen: 20.424 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 73 Resp: 128070

Ion	Ratio	Lower	Upper
73	100		
57	20.6	17.7	26.5

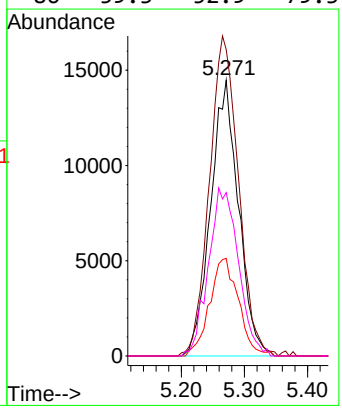


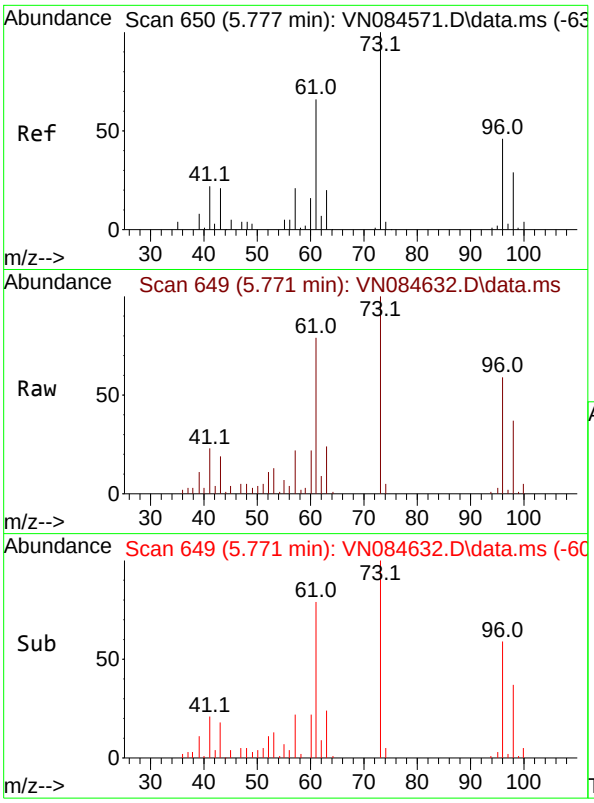


#20
Methylene Chloride
Concen: 19.428 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 84 Resp: 44336

Ion	Ratio	Lower	Upper
84	100		
49	111.1	107.2	160.8
51	35.4	31.8	47.8
86	59.3	52.9	79.3



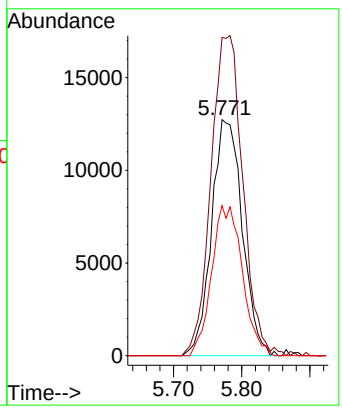


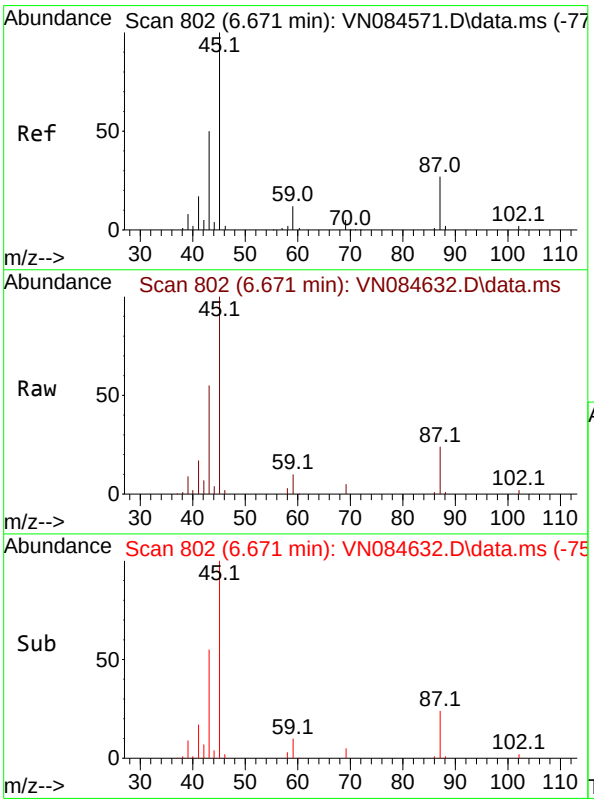
#21
trans-1,2-Dichloroethene
Concen: 18.993 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.018 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 96 Resp: 39898

Ion	Ratio	Lower	Upper
96	100		
61	134.9	108.4	162.6
98	63.6	49.8	74.8

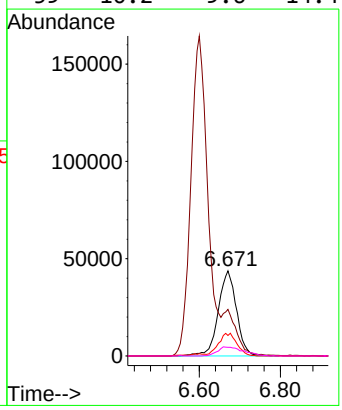


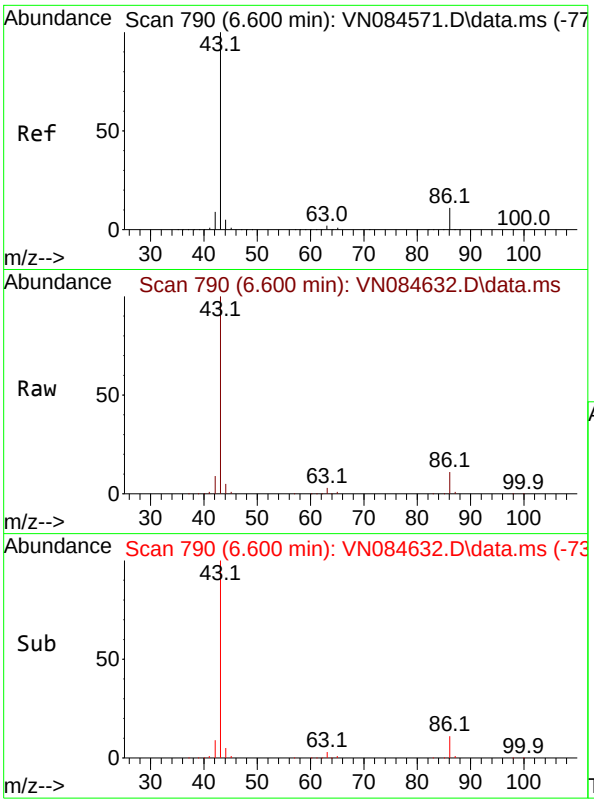


#22
Diisopropyl ether
Concen: 20.780 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 45 Resp: 136989

Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.3	63.5
87	24.0	21.8	32.6
59	10.2	9.6	14.4



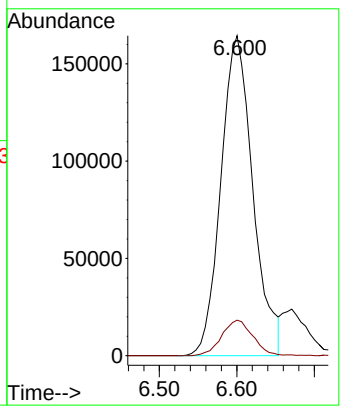


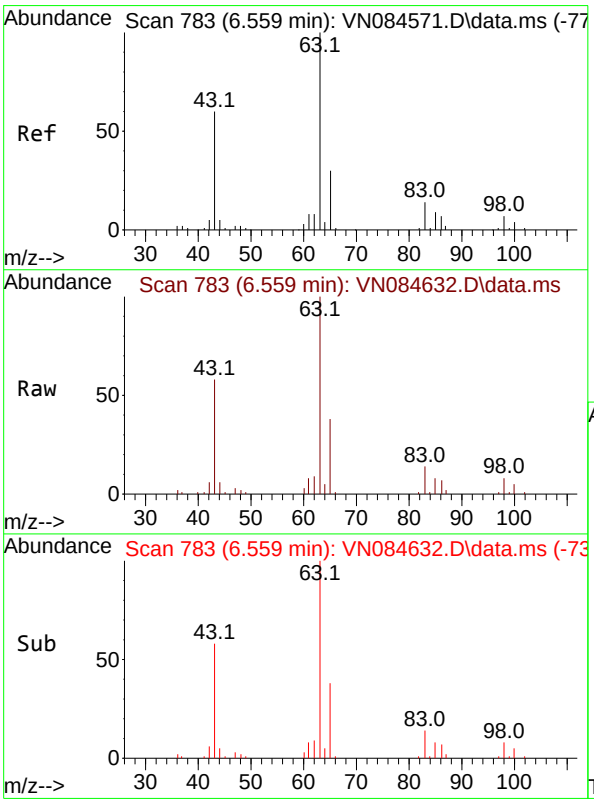
#23
Vinyl Acetate
Concen: 104.061 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 473087

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.6	12.8

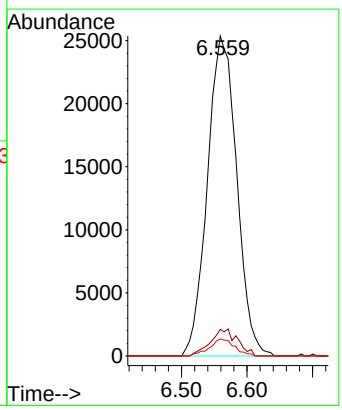


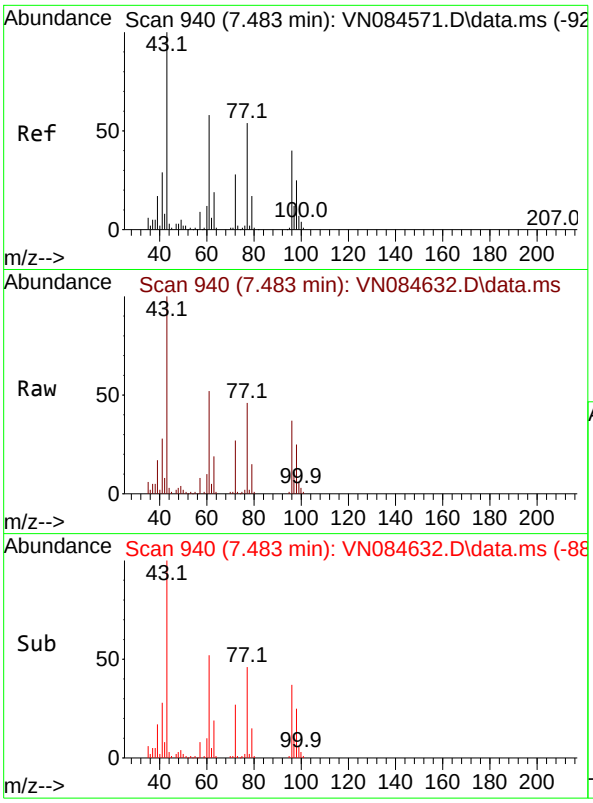


#24
1,1-Dichloroethane
Concen: 19.911 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.012 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 63 Resp: 78807

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.4	10.2
100	5.3	2.0	5.8



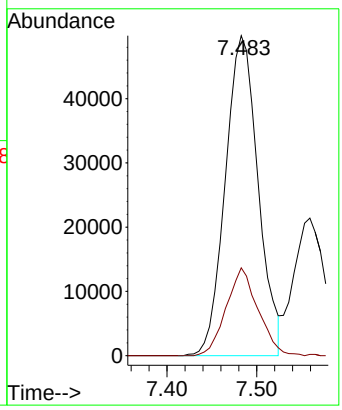


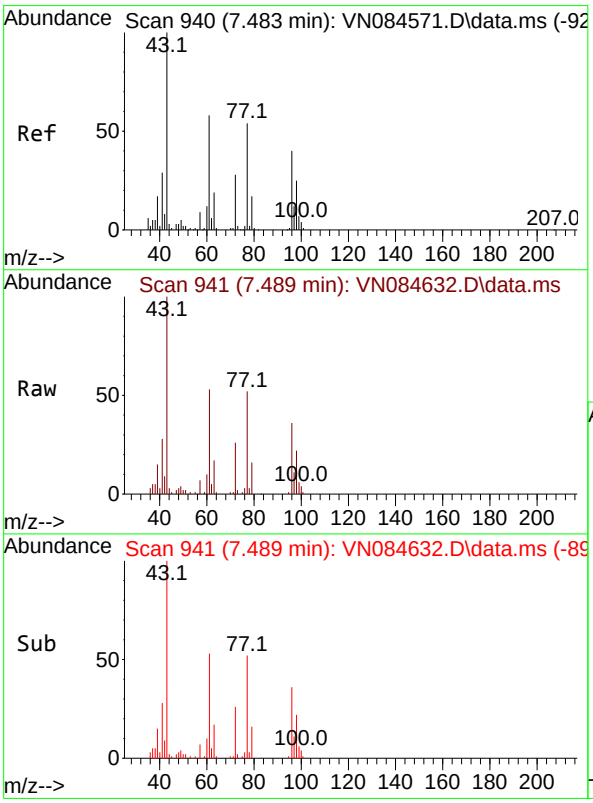
#25
2-Butanone
Concen: 104.629 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 126655

Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.2

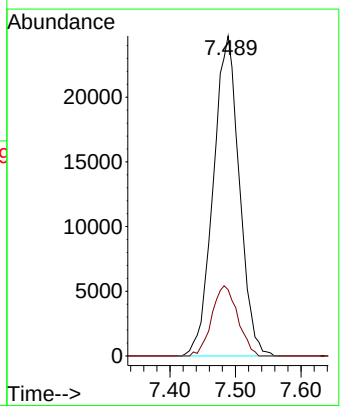


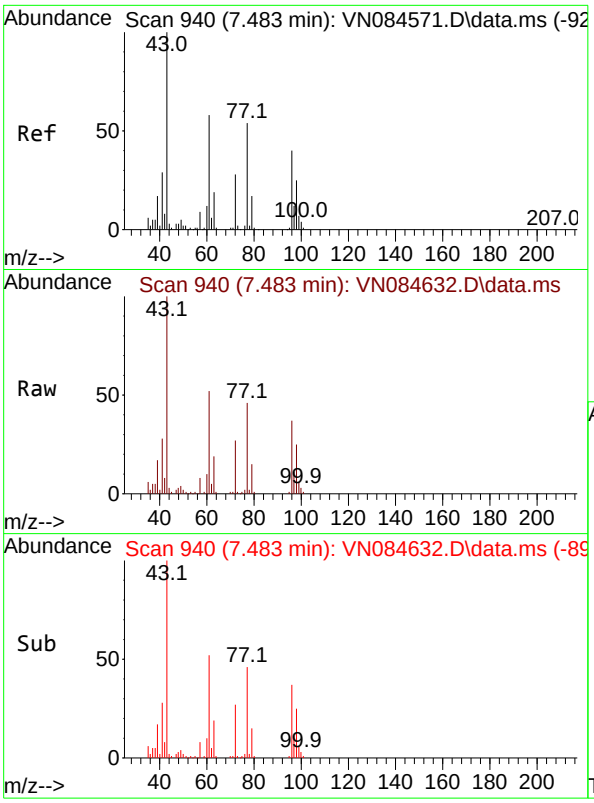


#26
2,2-Dichloropropane
Concen: 19.820 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 77 Resp: 68278

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.8	32.3



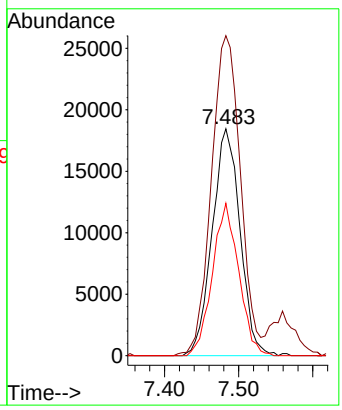


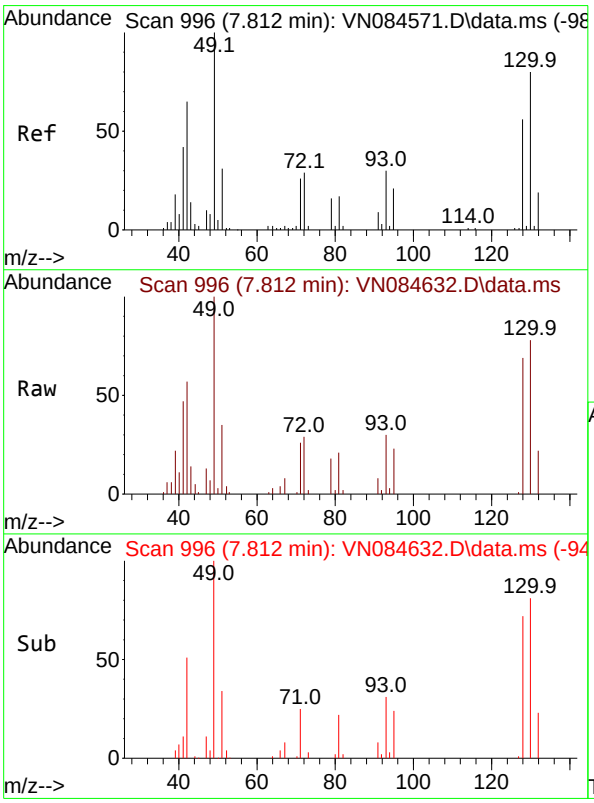
#27
cis-1,2-Dichloroethene
Concen: 19.630 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 96 Resp: 48150

Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	301.8
98	63.6	0.0	128.2

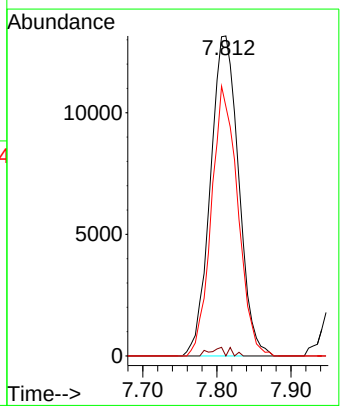


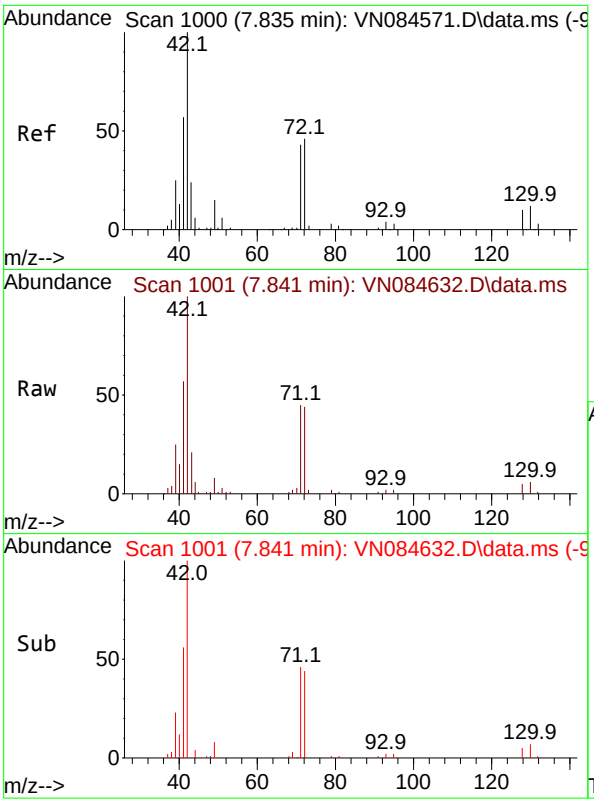


#28
Bromochloromethane
Concen: 22.135 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 49 Resp: 34905

Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.6
130	78.4	58.0	87.0



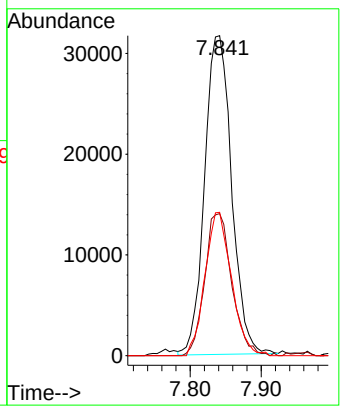


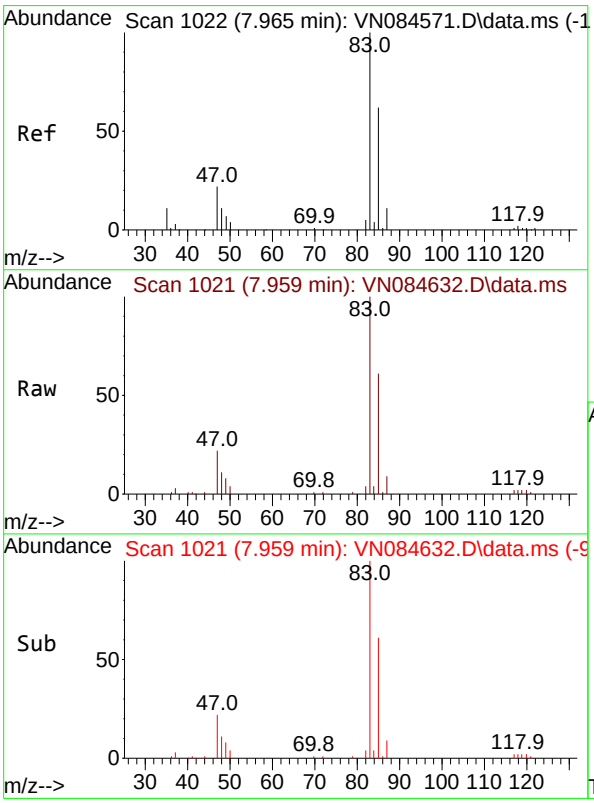
#29
Tetrahydrofuran
Concen: 104.051 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 42 Resp: 83561

Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.6	51.8
71	44.1	32.2	48.4

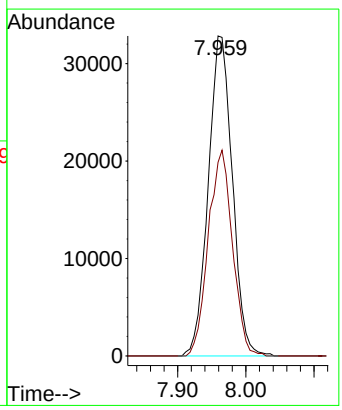


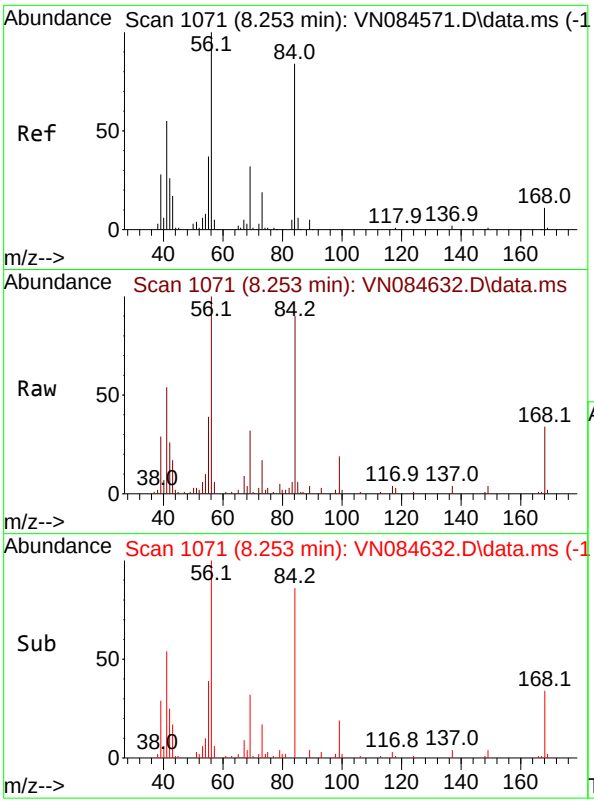


#30
Chloroform
Concen: 20.057 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 83 Resp: 80798

Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.0	76.4



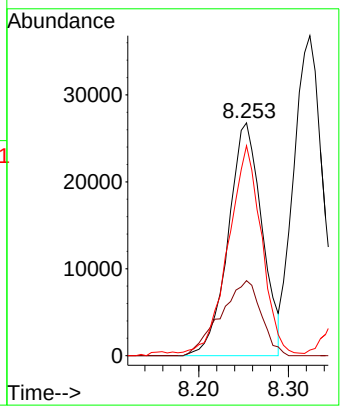


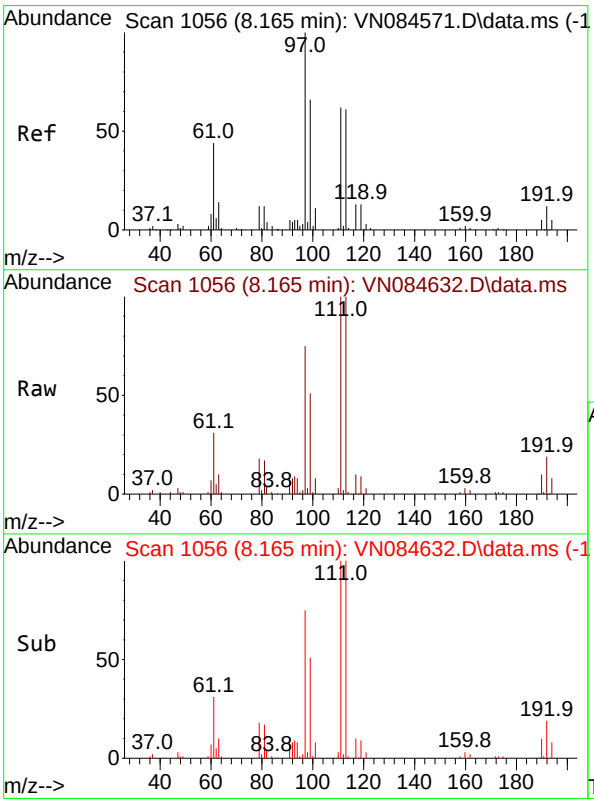
#31
Cyclohexane
Concen: 19.515 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 56 Resp: 69908

Ion	Ratio	Lower	Upper
56	100		
69	32.2	23.8	35.6
84	88.9	68.8	103.2

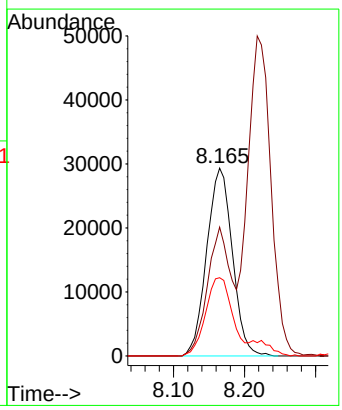


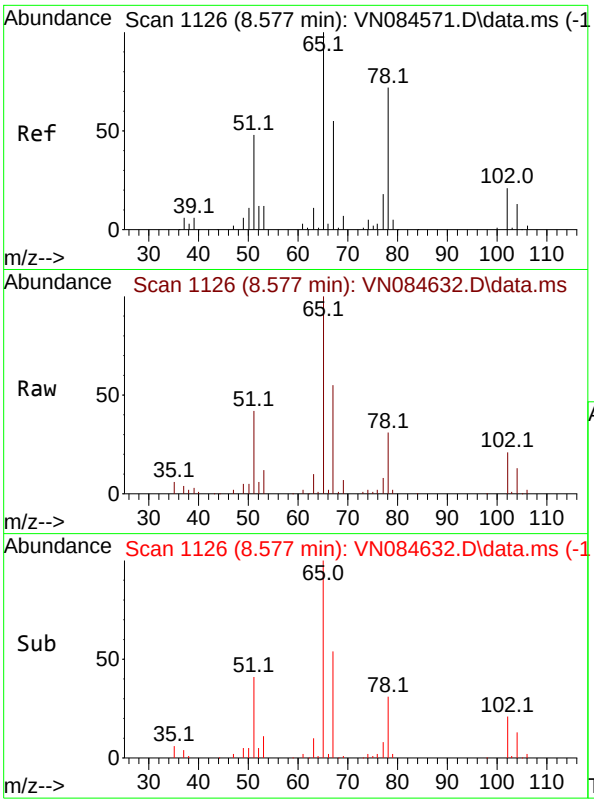


#32
1,1,1-Trichloroethane
Concen: 20.072 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 97 Resp: 73597

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.2	76.8
61	44.0	37.5	56.3



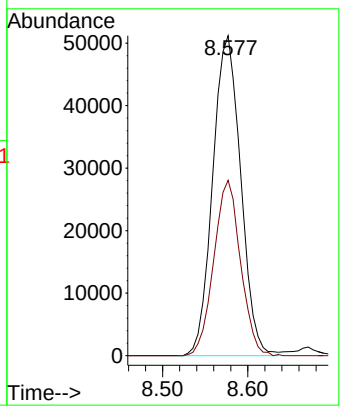


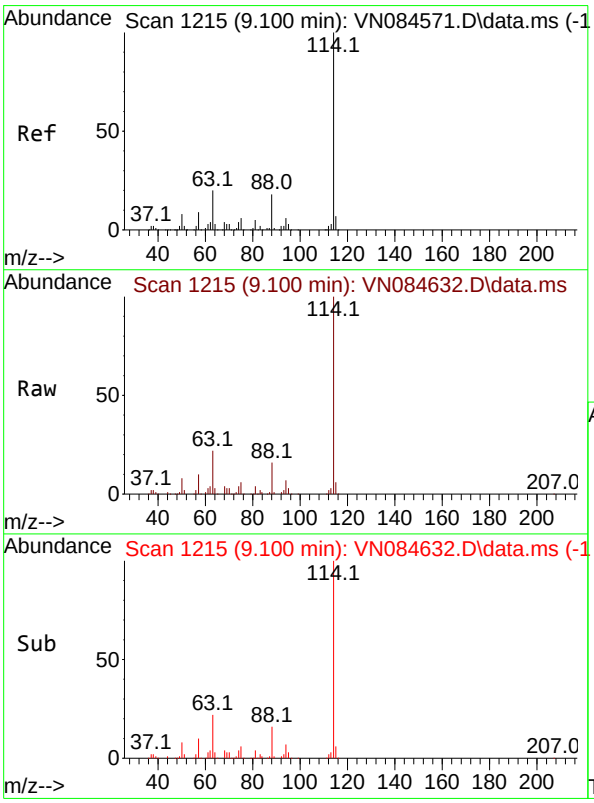
#33
1,2-Dichloroethane-d4
Concen: 44.978 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 65 Resp: 116705

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.0

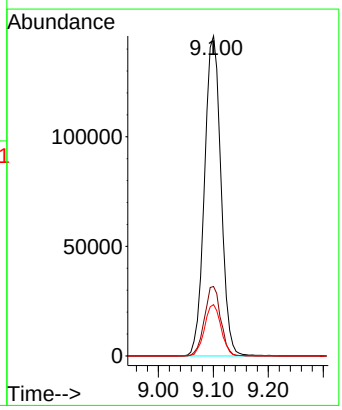


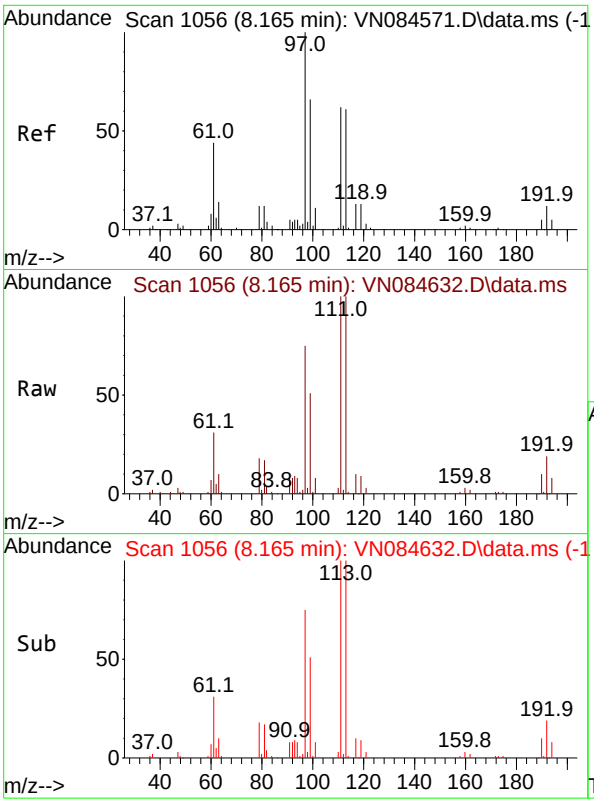


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:114 Resp: 303928

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	16.0	0.0	31.6



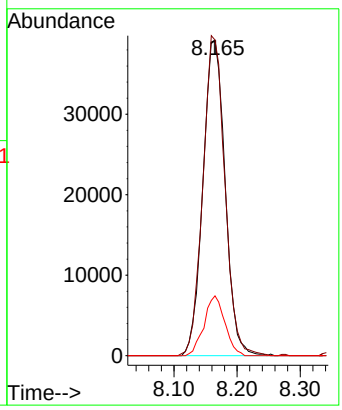


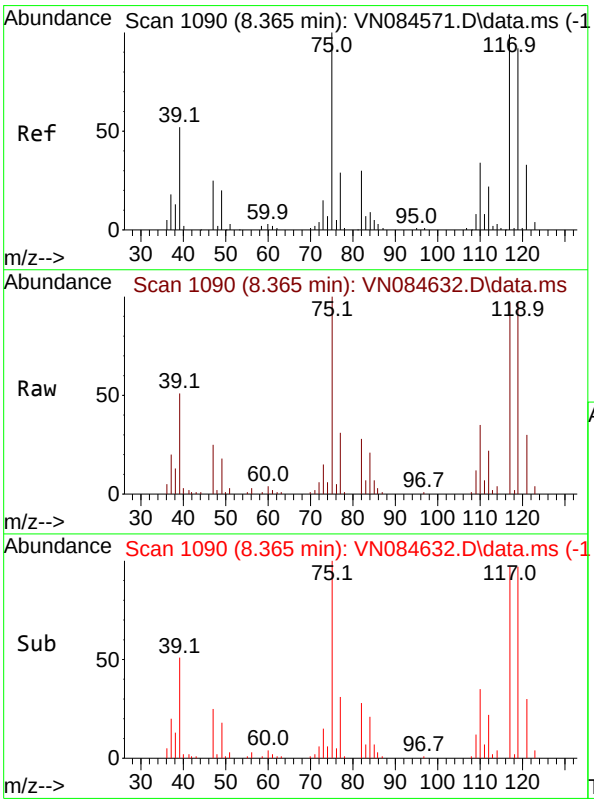
#35
Dibromofluoromethane
Concen: 46.460 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:113 Resp: 95578

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.8	13.5	20.3

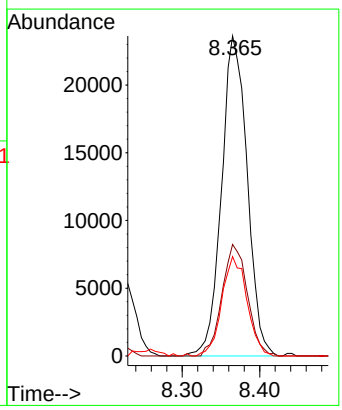


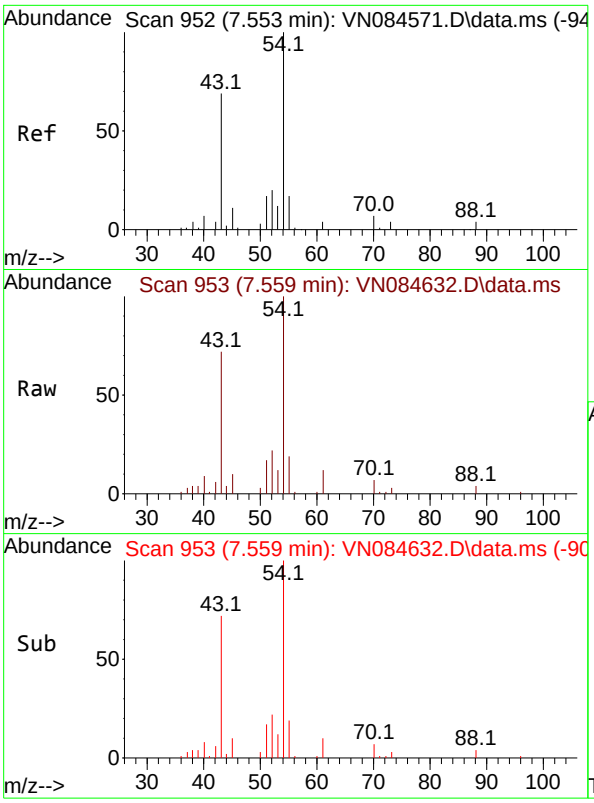


#36
1,1-Dichloropropene
Concen: 19.036 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 54311

Ion	Ratio	Lower	Upper
75	100		
110	34.6	16.9	50.7
77	30.5	24.7	37.1



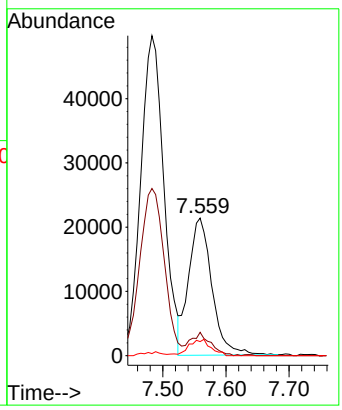


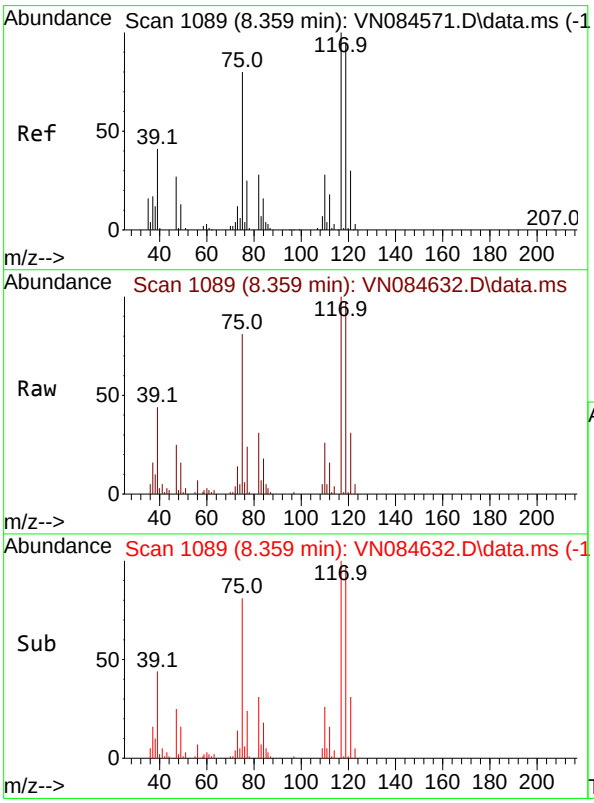
#37
Ethyl Acetate
Concen: 21.202 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 54883

Ion	Ratio	Lower	Upper
43	100		
61	15.0	10.7	16.1
70	11.1	8.8	13.2

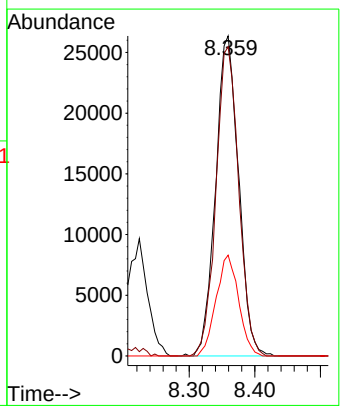


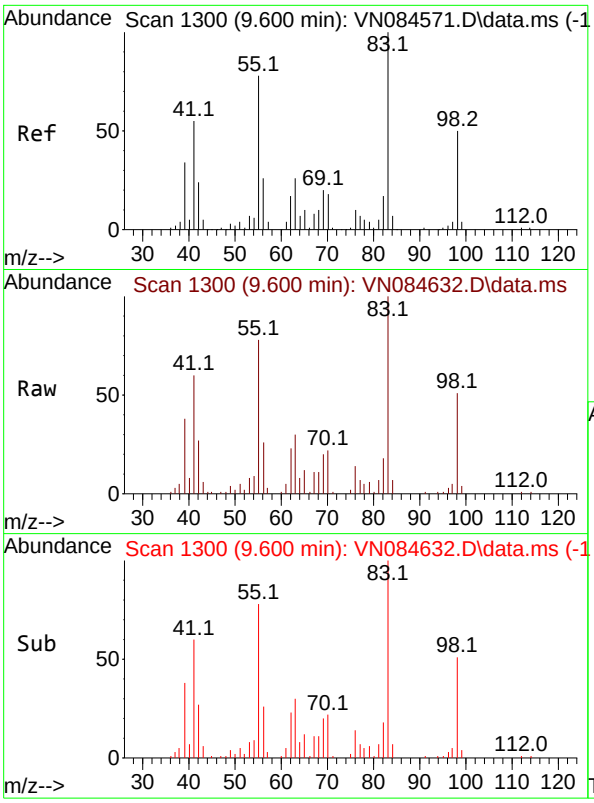


#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:117 Resp: 63997

Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.7	118.1
121	31.5	24.4	36.6



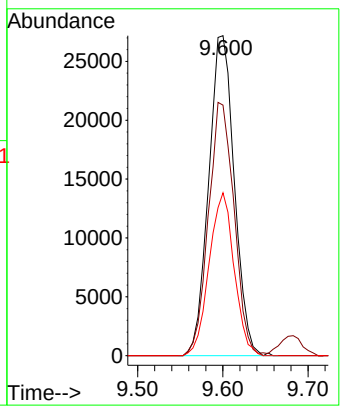


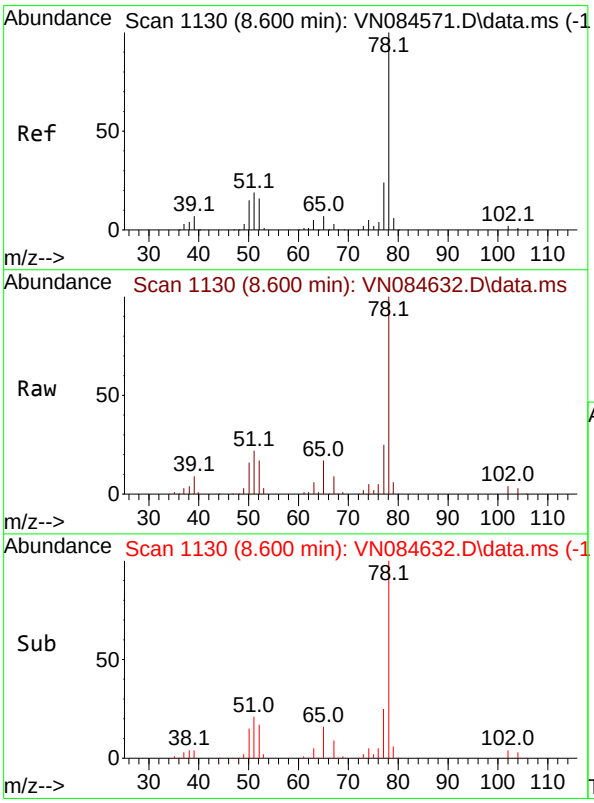
#39
Methylcyclohexane
Concen: 19.604 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 83 Resp: 56902

Ion	Ratio	Lower	Upper
83	100		
55	78.3	62.8	94.2
98	50.9	38.8	58.2

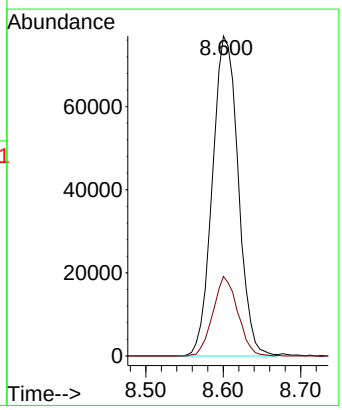


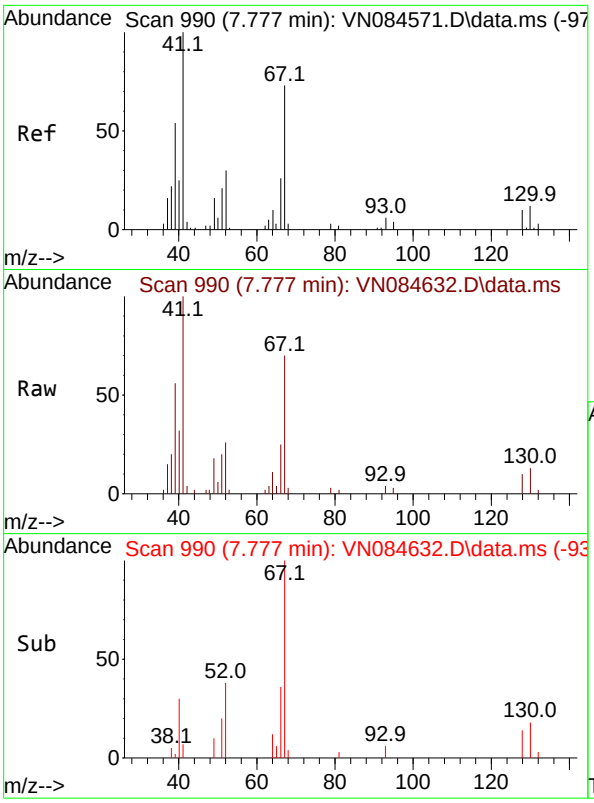


#40
Benzene
Concen: 19.433 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 78 Resp: 178059

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.1	28.7



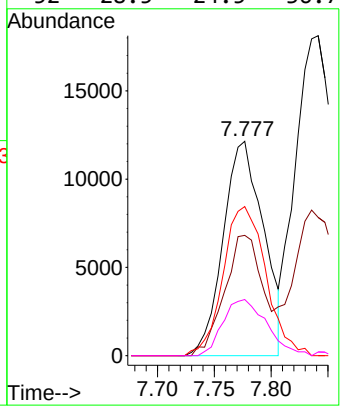


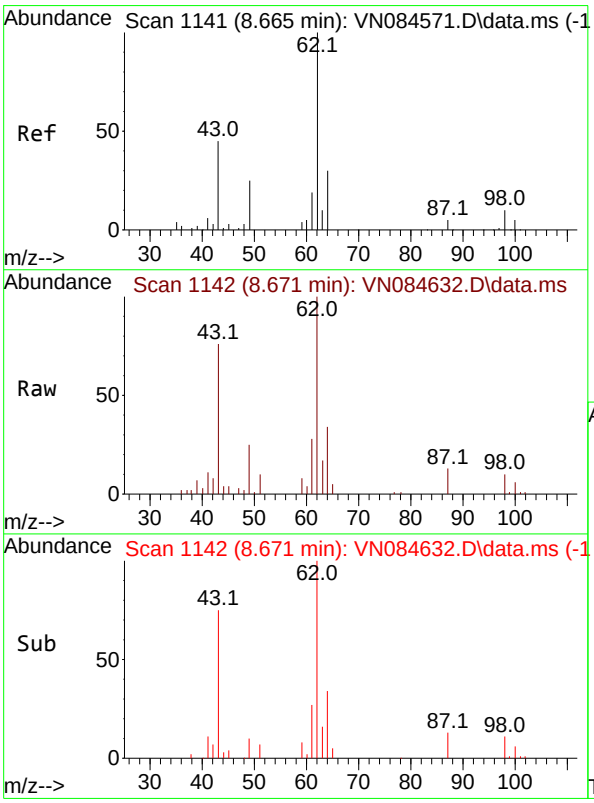
#41
Methacrylonitrile
Concen: 21.533 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 41 Resp: 29975

Ion	Ratio	Lower	Upper
41	100		
39	52.3	43.3	64.9
67	73.8	56.1	84.1
52	28.5	24.5	36.7

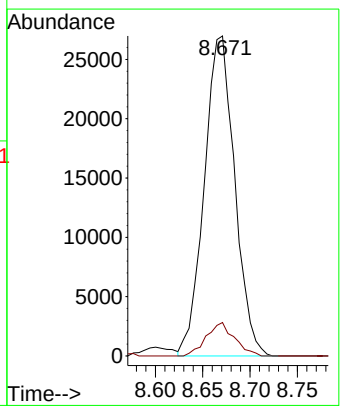


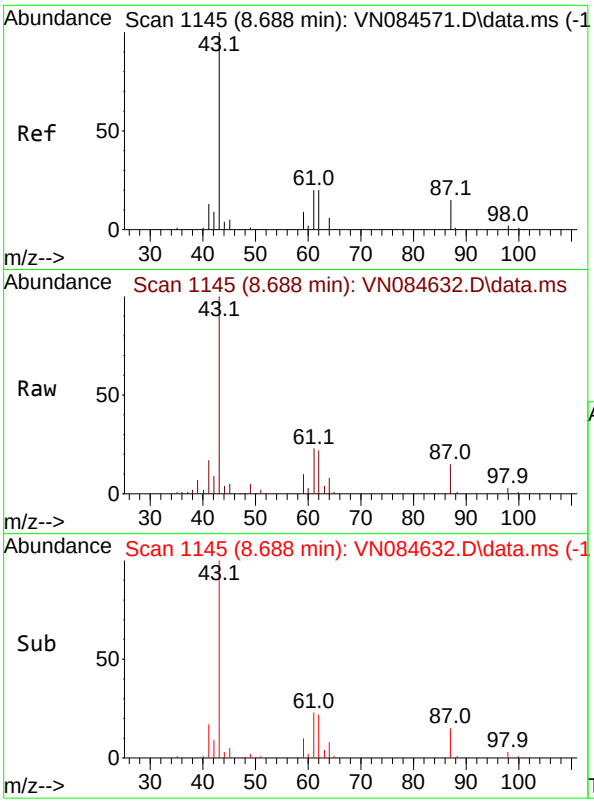


#42
1,2-Dichloroethane
Concen: 20.358 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 62 Resp: 60410

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2



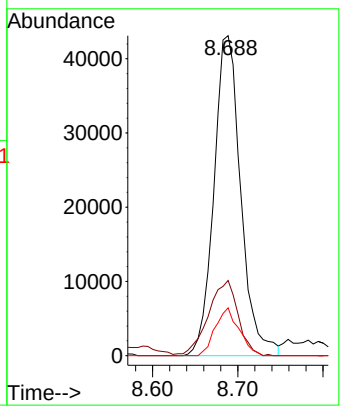


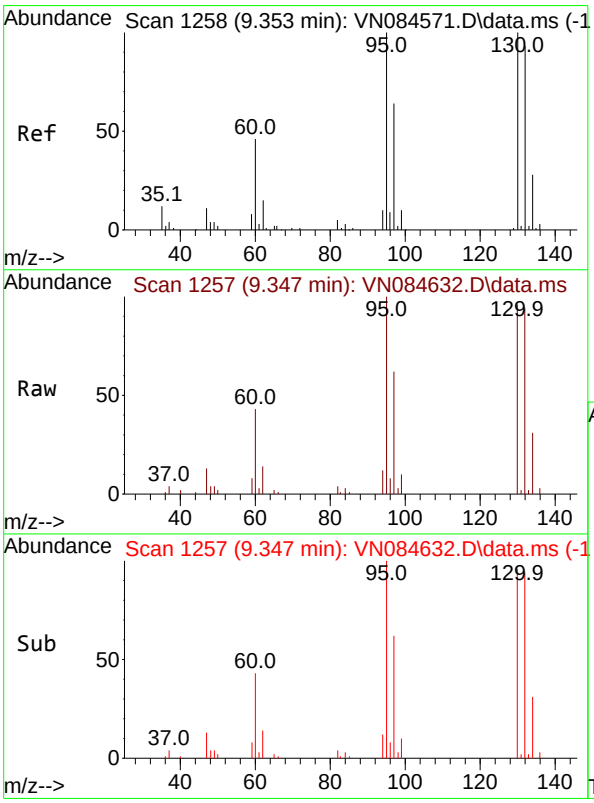
#43
Isopropyl Acetate
Concen: 19.145 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 94407

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.4	30.6
87	13.2	10.3	15.5

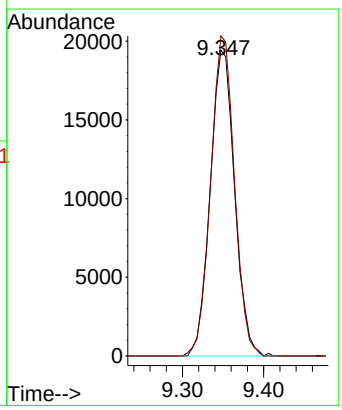


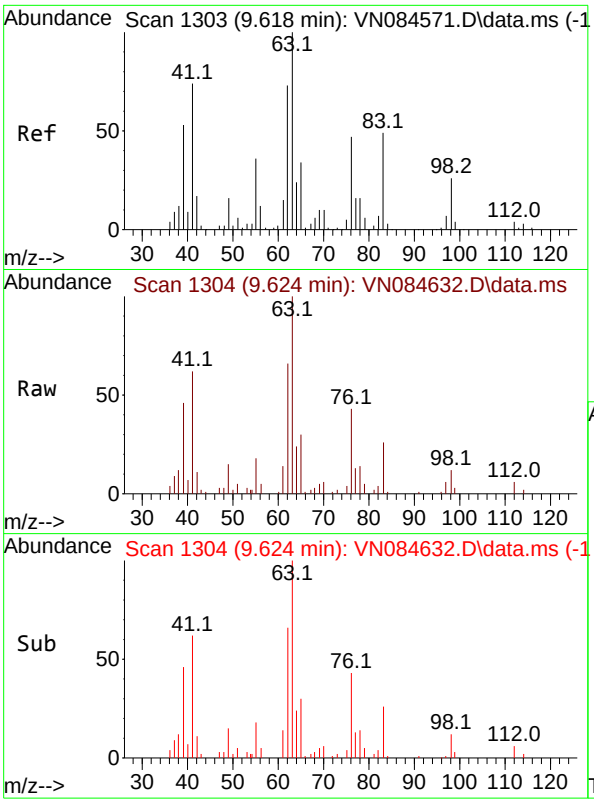


#44
Trichloroethene
Concen: 19.188 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:130 Resp: 40547

Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.0



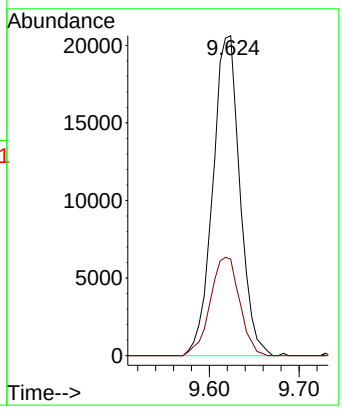


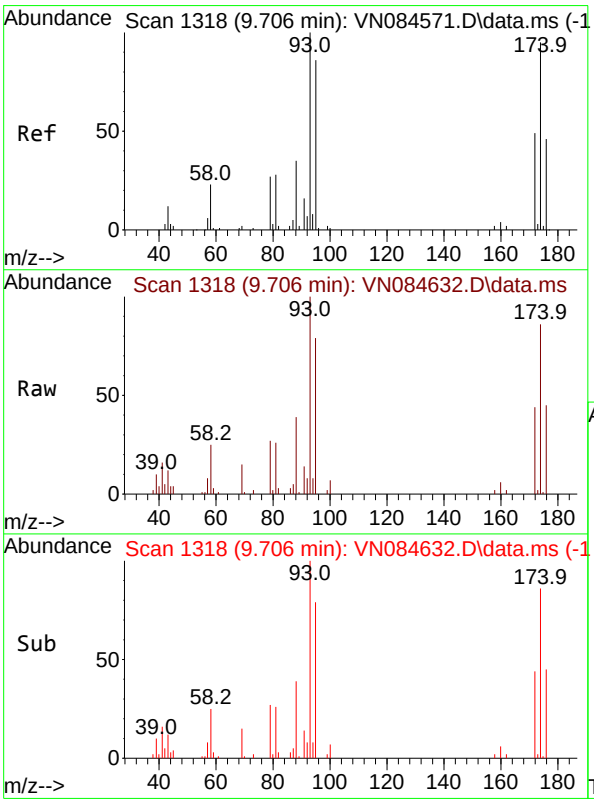
#45
1,2-Dichloropropane
Concen: 20.073 ug/l
RT: 9.624 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 63 Resp: 43144

Ion	Ratio	Lower	Upper
63	100		
65	30.2	24.6	37.0

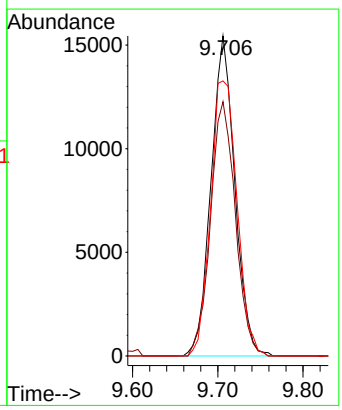


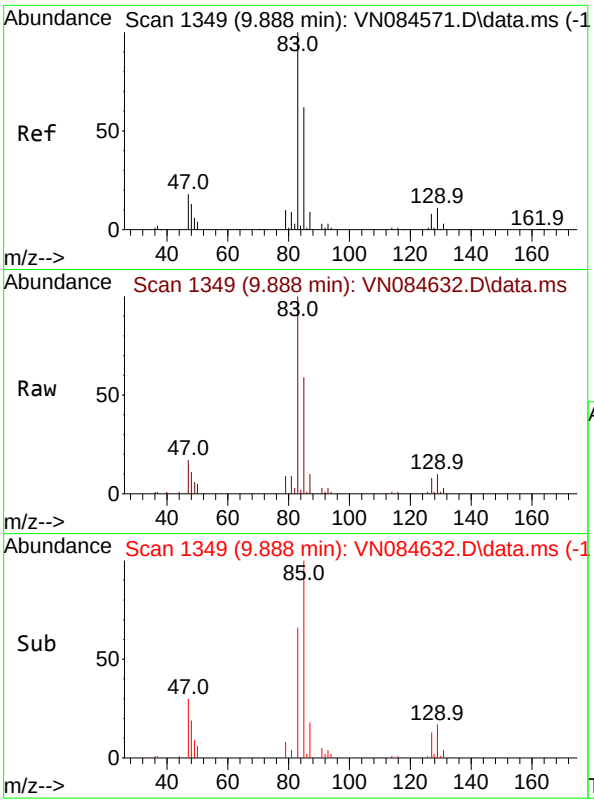


#46
Dibromomethane
Concen: 19.750 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 93 Resp: 29954

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.0	97.4
174	95.5	71.8	107.8



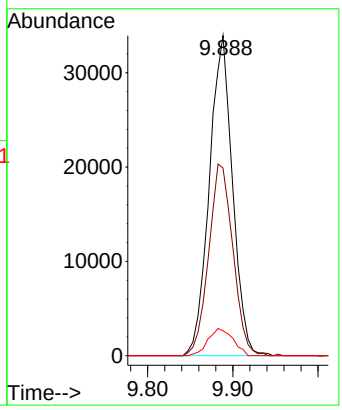


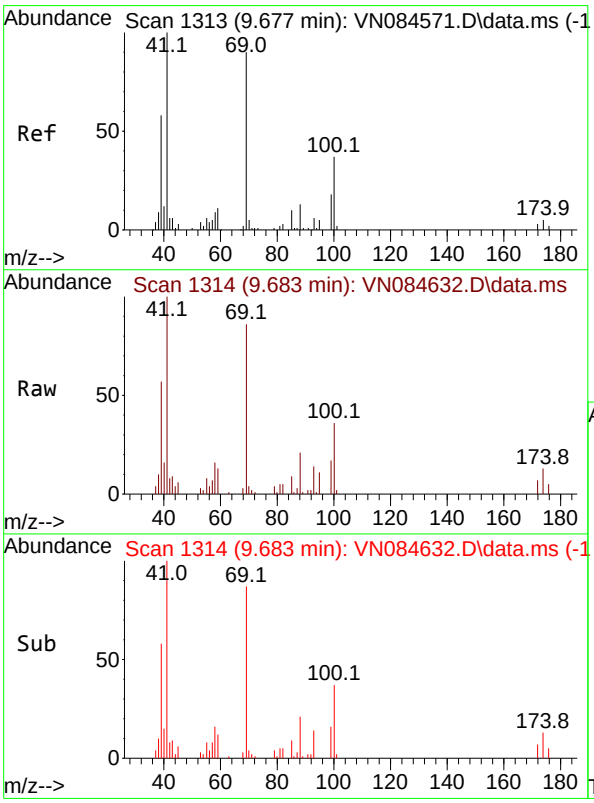
#47
Bromodichloromethane
Concen: 20.125 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 83 Resp: 64340

Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.5	77.3
127	7.8	5.7	8.5

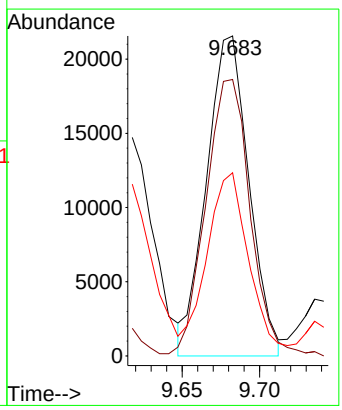


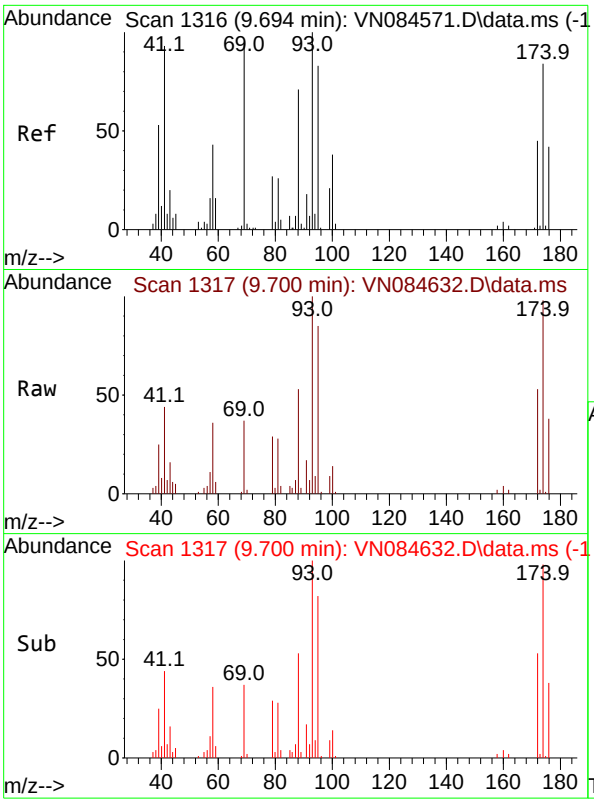


#48
Methyl methacrylate
Concen: 20.408 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 41 Resp: 41114

Ion	Ratio	Lower	Upper
41	100		
69	90.5	67.1	100.7
39	57.1	45.8	68.6



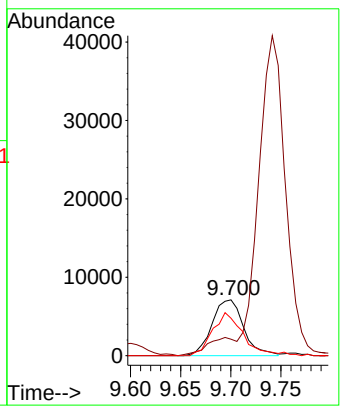


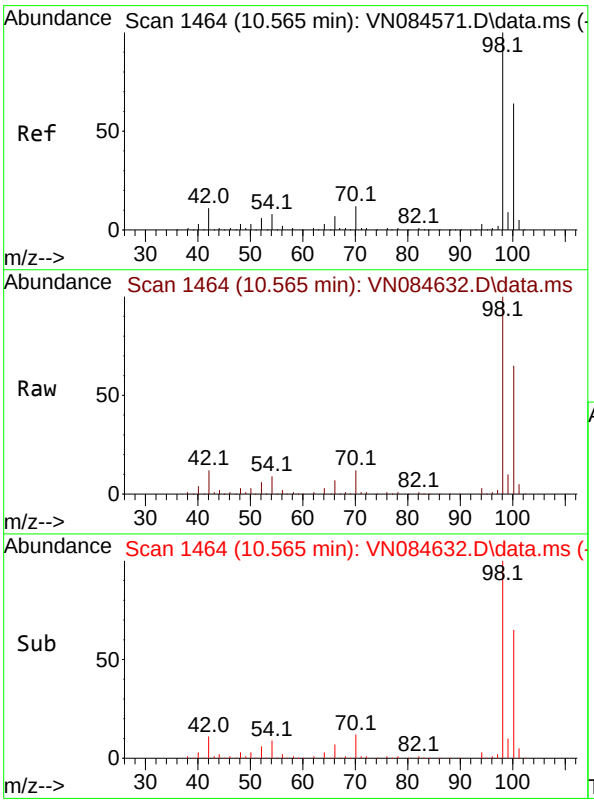
#49
1,4-Dioxane
Concen: 437.525 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 88 Resp: 15620

Ion	Ratio	Lower	Upper
88	100		
43	30.1	25.3	37.9
58	75.8	56.4	84.6

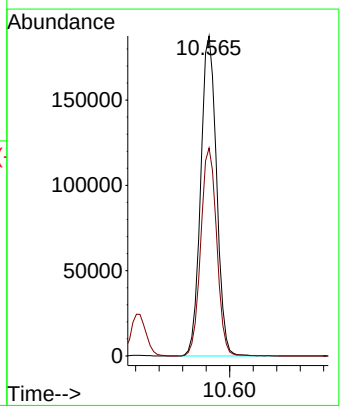


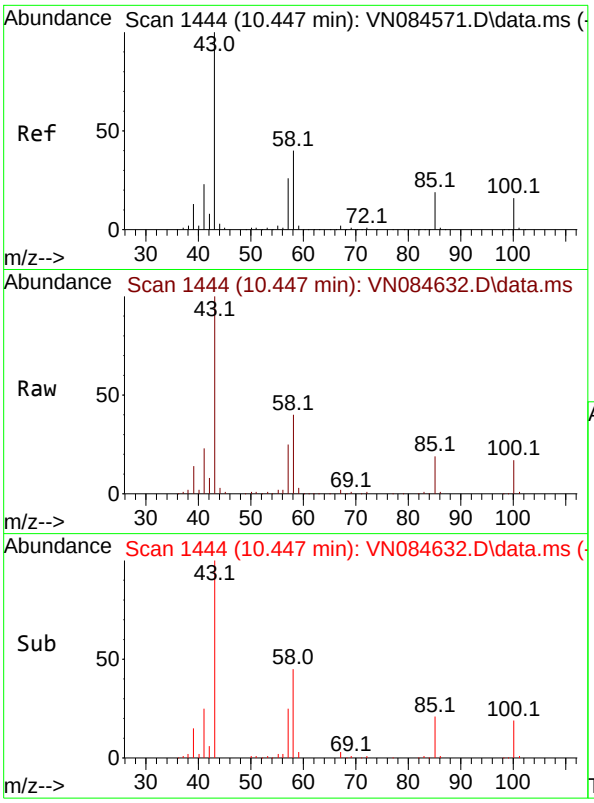


#50
Toluene-d8
Concen: 46.293 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 98 Resp: 350812

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1



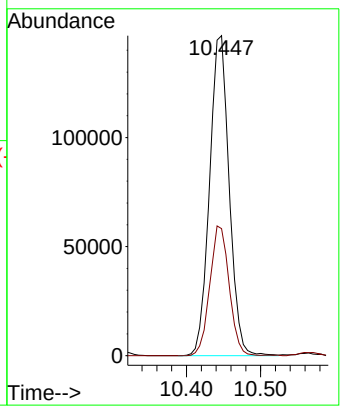


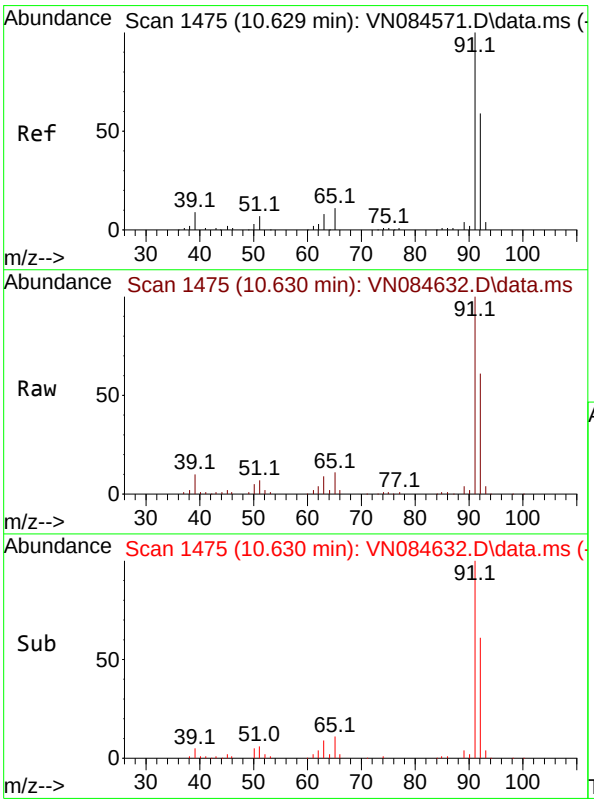
#51
4-Methyl-2-Pentanone
Concen: 109.342 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 269825

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4

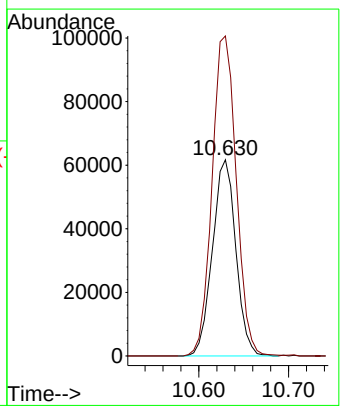


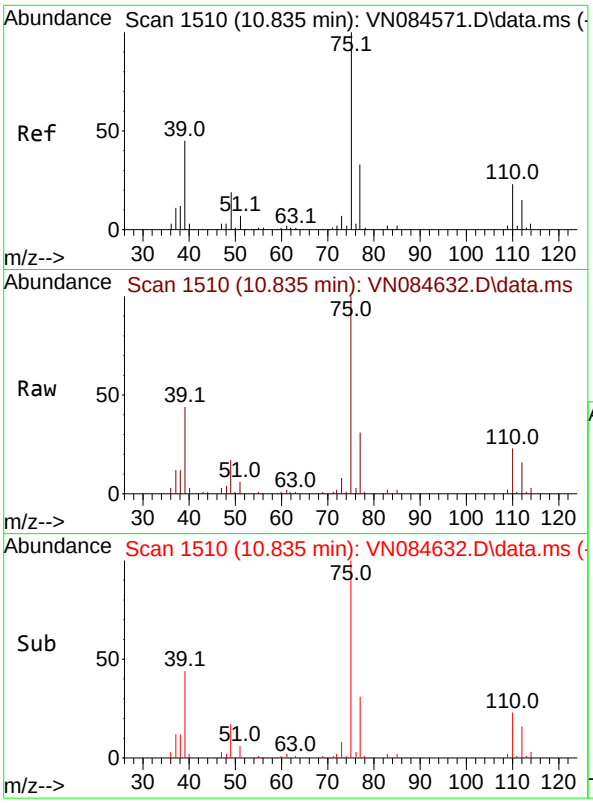


#52
Toluene
Concen: 20.840 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 92 Resp: 111675

Ion	Ratio	Lower	Upper
92	100		
91	168.7	137.3	205.9



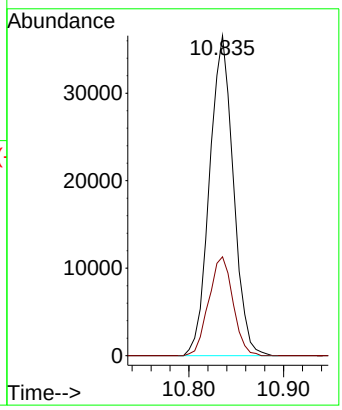


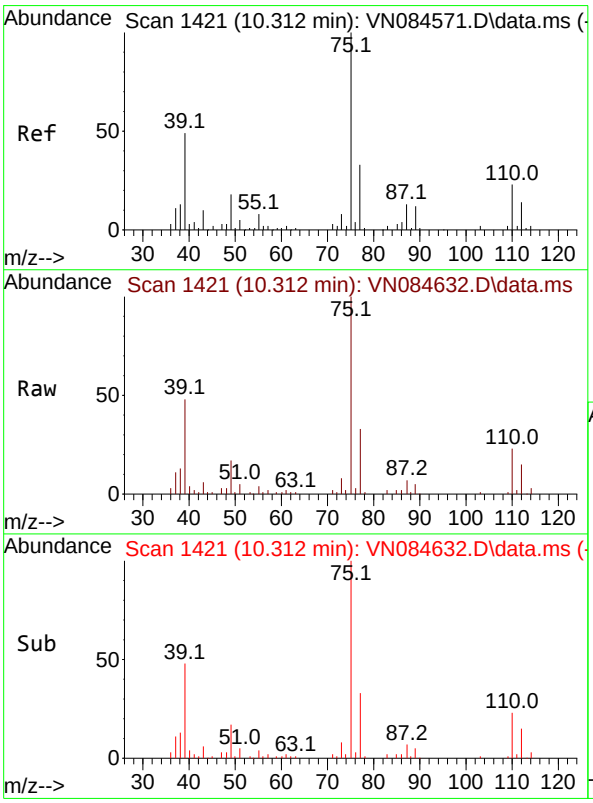
#53
t-1,3-Dichloropropene
Concen: 19.323 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 75 Resp: 63947

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

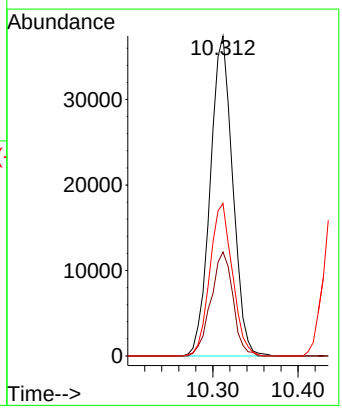


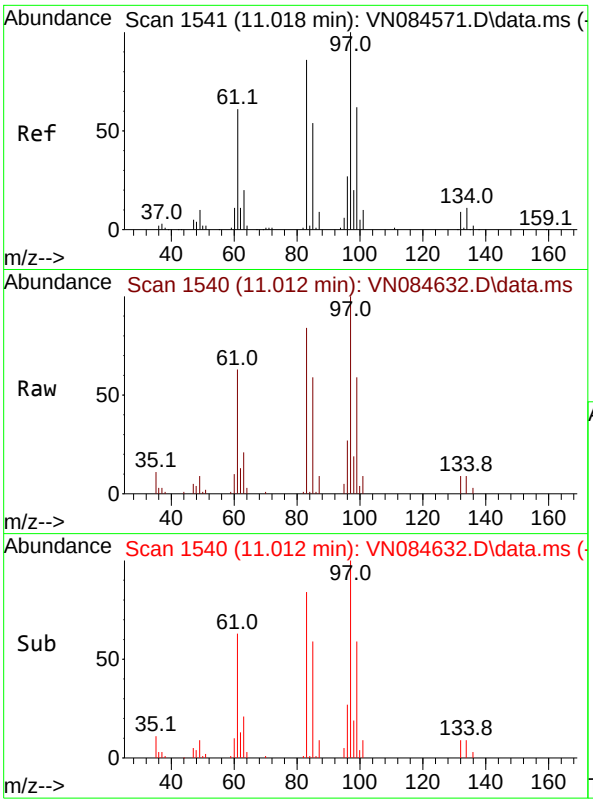


#54
cis-1,3-Dichloropropene
Concen: 19.617 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 68709

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.2	36.2
39	47.6	38.7	58.1



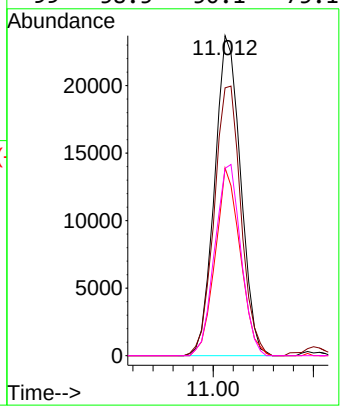


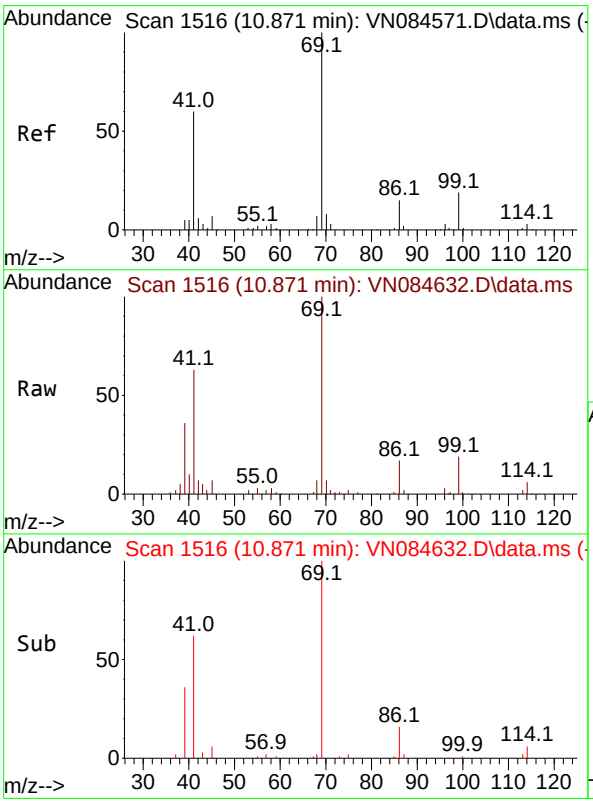
#55
1,1,2-Trichloroethane
Concen: 21.081 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 97 Resp: 42554

Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.0	106.4
85	58.6	41.7	62.5
99	58.5	50.1	75.1

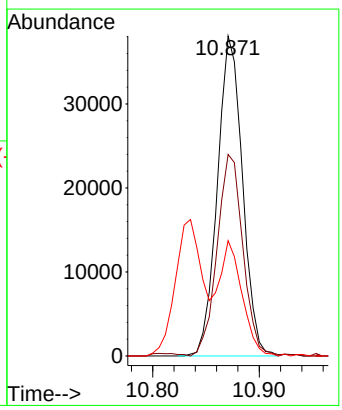


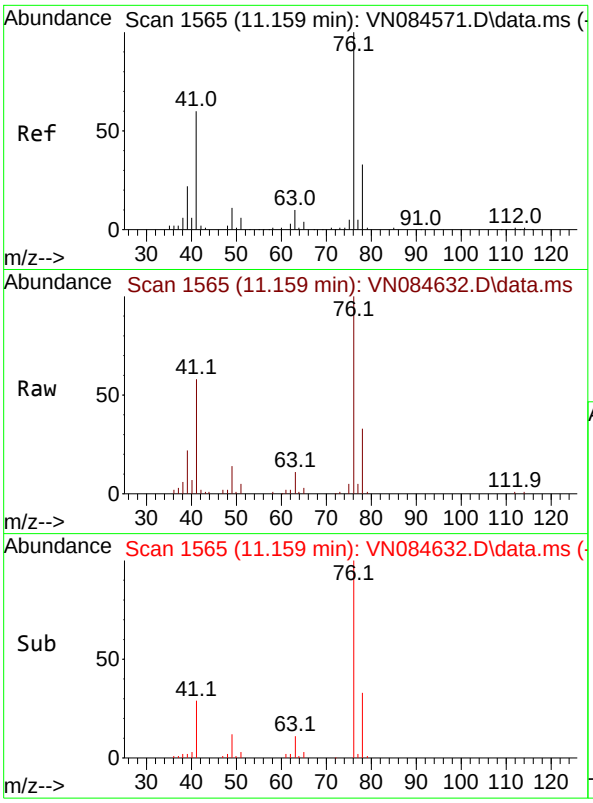


#56
Ethyl methacrylate
Concen: 21.283 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 69 Resp: 62143

Ion	Ratio	Lower	Upper
69	100		
41	65.2	53.3	79.9
39	33.9	28.8	43.2



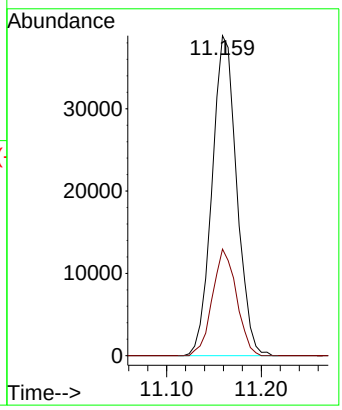


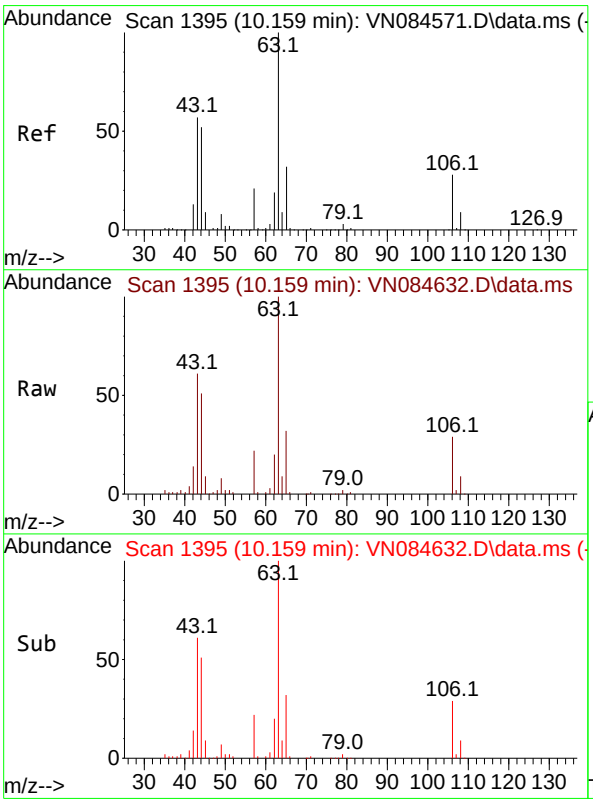
#57
1,3-Dichloropropane
Concen: 20.283 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 76 Resp: 70269

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

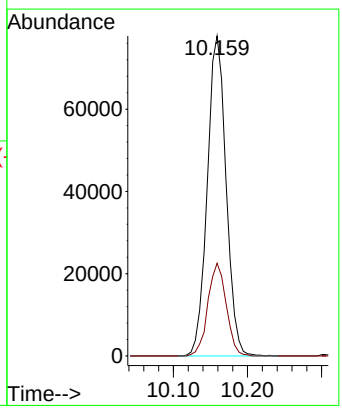


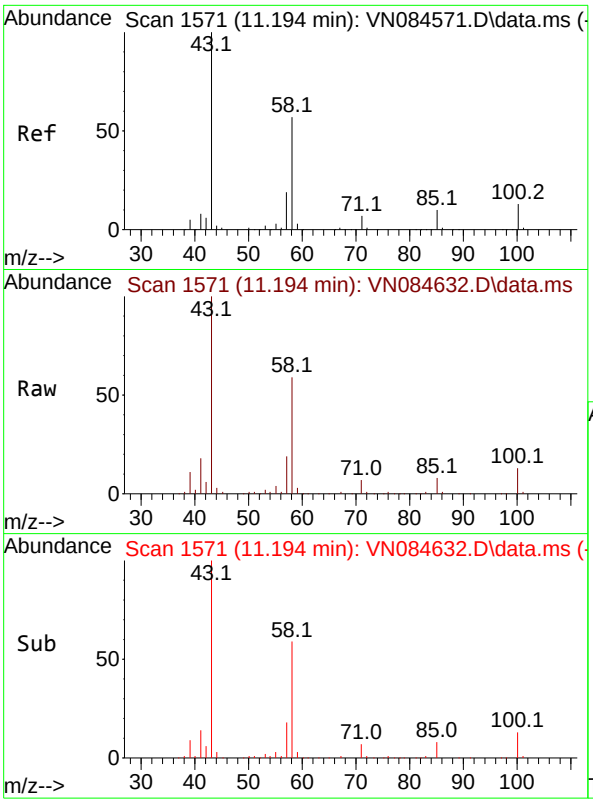


#58
2-Chloroethyl Vinyl ether
Concen: 100.367 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 63 Resp: 137129

Ion	Ratio	Lower	Upper
63	100		
106	28.3	21.8	32.6



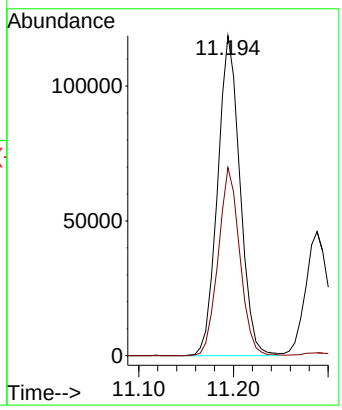


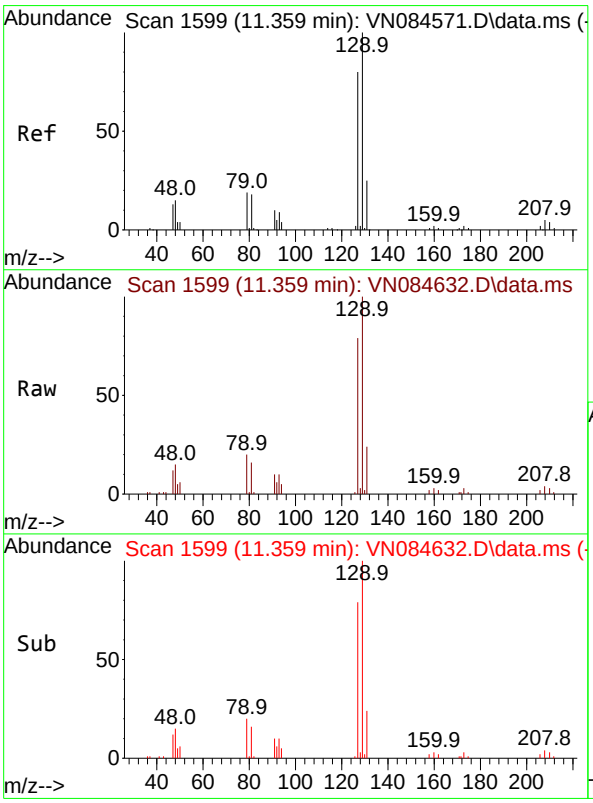
#59
2-Hexanone
Concen: 108.454 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 43 Resp: 194808

Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.3	81.8

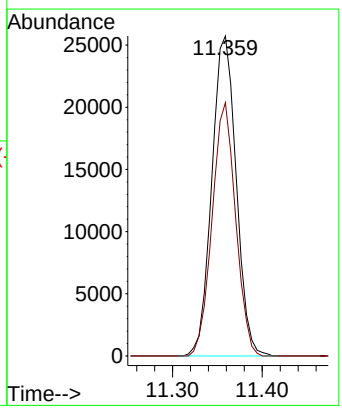


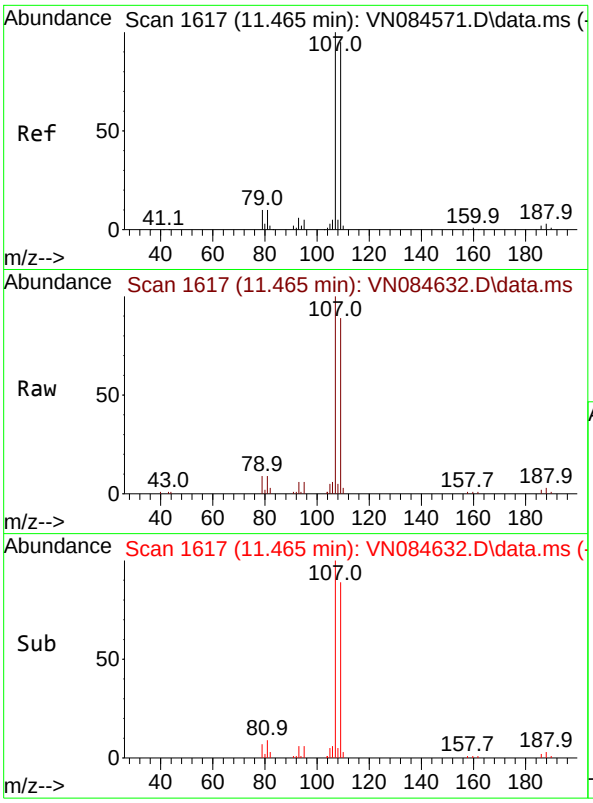


#60
Dibromochloromethane
Concen: 21.072 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:129 Resp: 48478

Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.3	114.9



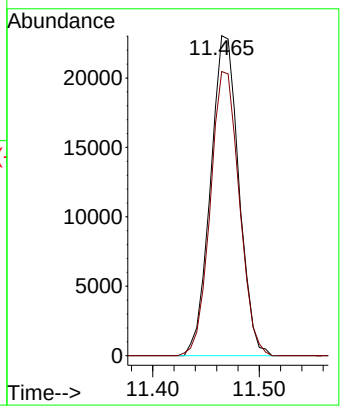


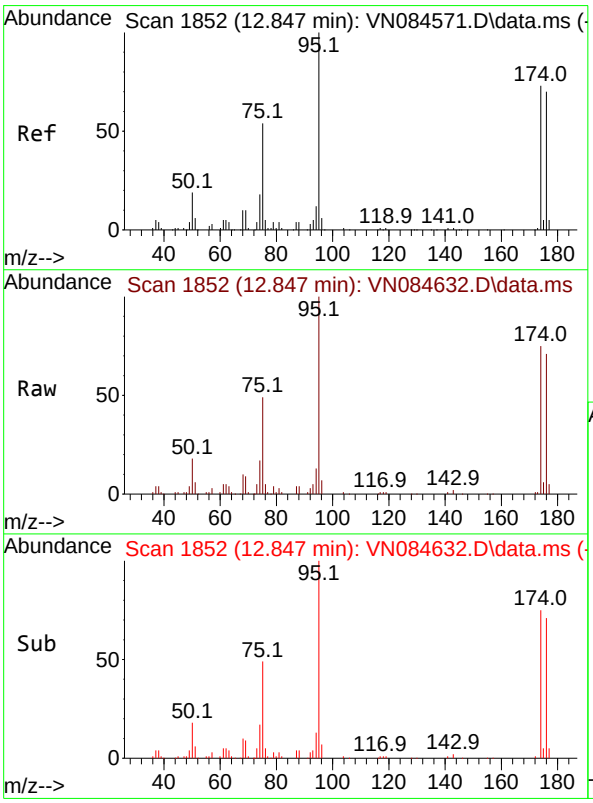
#61
1,2-Dibromoethane
Concen: 20.554 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:107 Resp: 42488

Ion	Ratio	Lower	Upper
107	100		
109	90.7	75.4	113.0

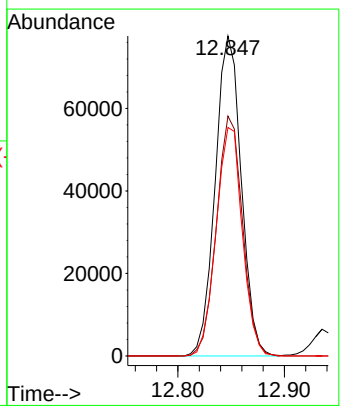


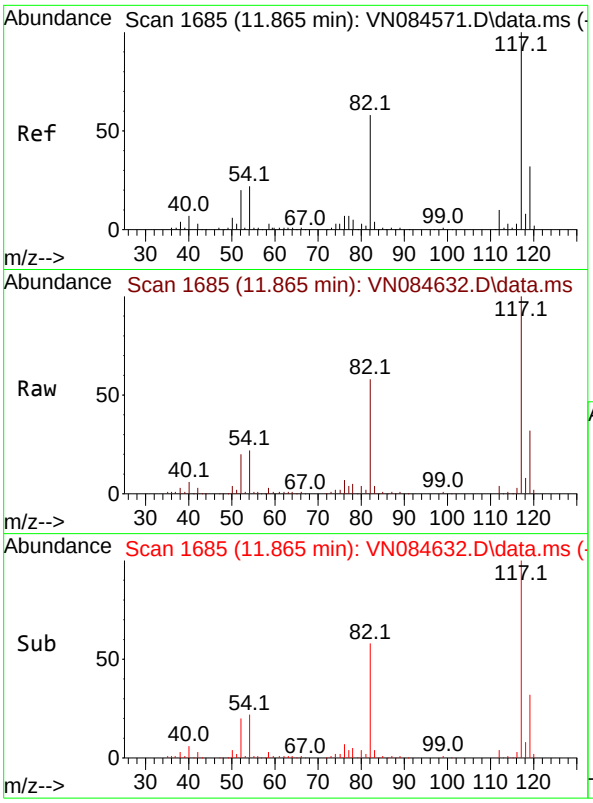


#62
4-Bromofluorobenzene
Concen: 46.526 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 95 Resp: 131770

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.9	0.0	140.0



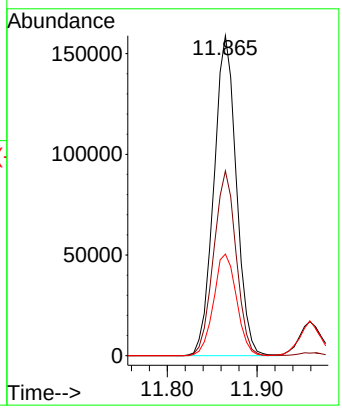


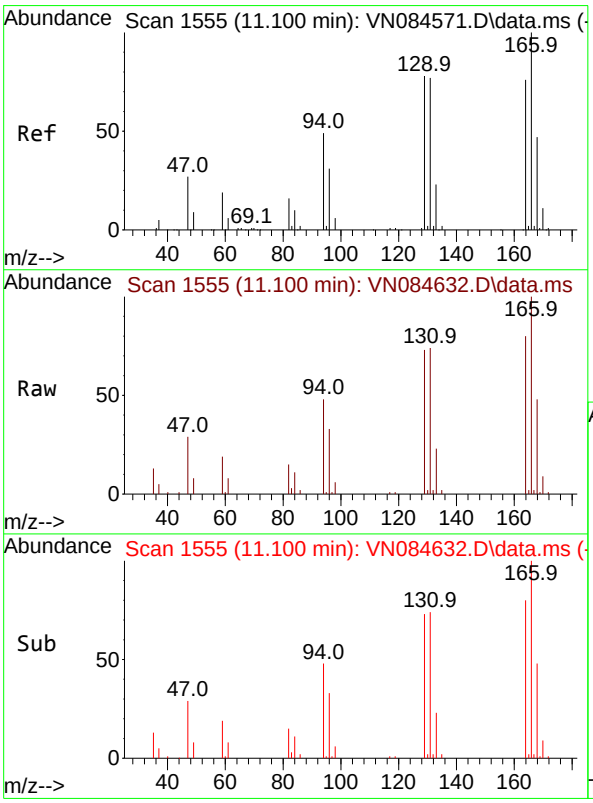
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:117 Resp: 276373

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	31.8	25.4	38.0

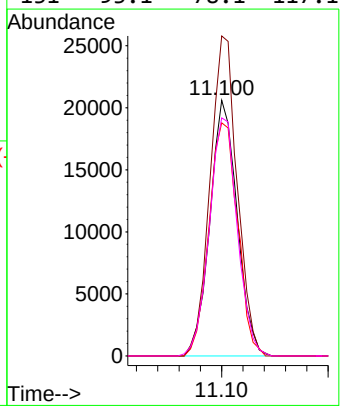


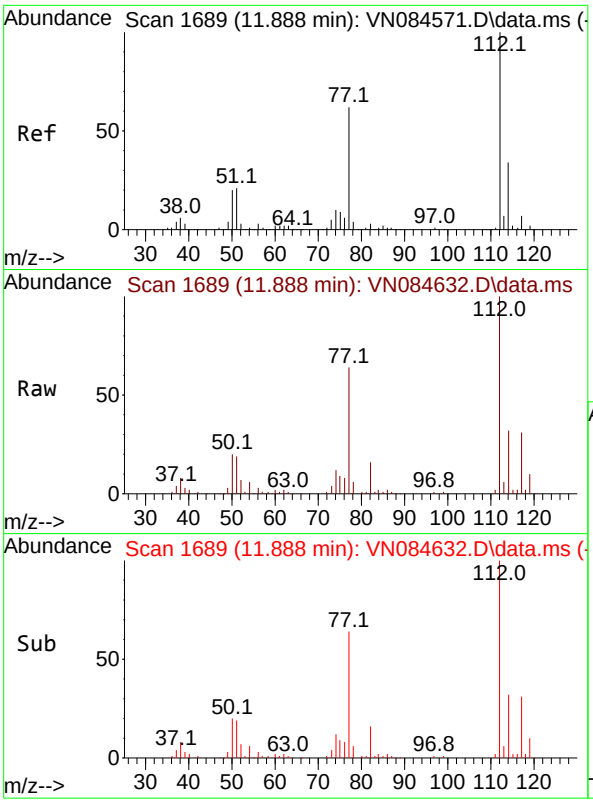


#64
Tetrachloroethene
Concen: 19.779 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:164 Resp: 36361

Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.0	151.4
129	91.2	80.8	121.2
131	93.1	78.1	117.1



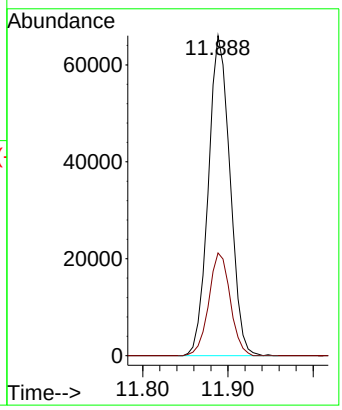


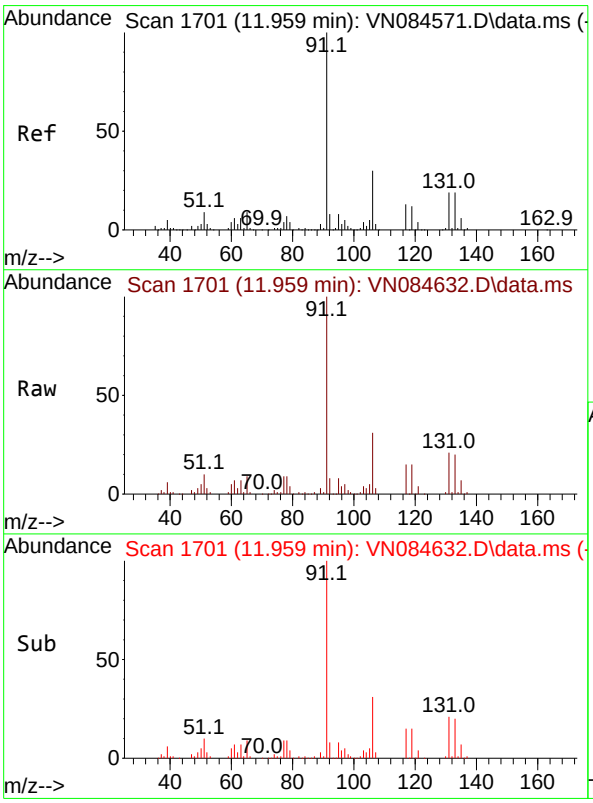
#65
Chlorobenzene
Concen: 18.870 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:112 Resp: 116675

Ion	Ratio	Lower	Upper
112	100		
114	32.1	27.0	40.6

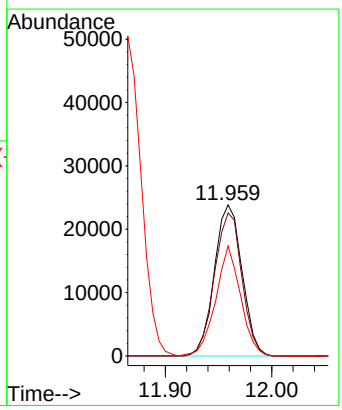


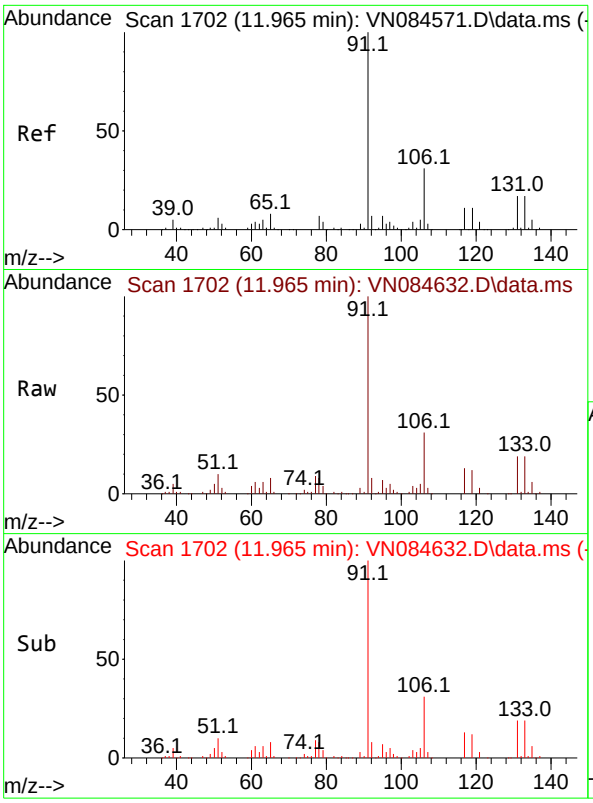


#66
1,1,1,2-Tetrachloroethane
Concen: 19.982 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:131 Resp: 42973

Ion	Ratio	Lower	Upper
131	100		
133	94.2	47.9	143.7
119	65.5	32.8	98.3



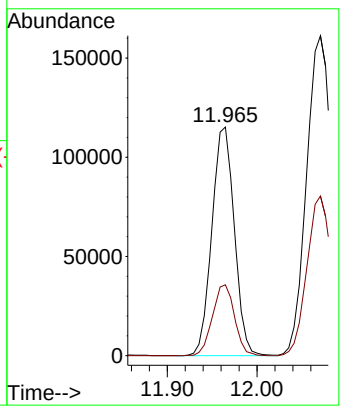


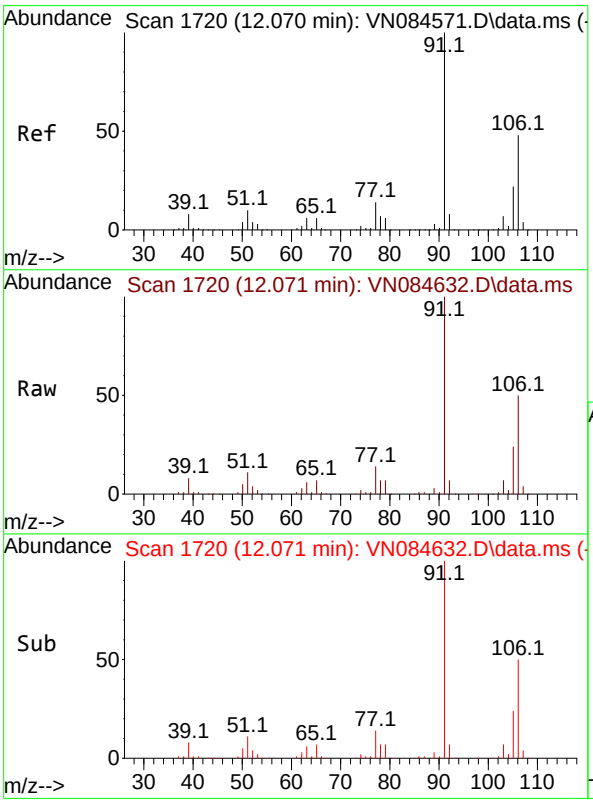
#67
Ethyl Benzene
Concen: 19.420 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 91 Resp: 200430

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.5	36.7

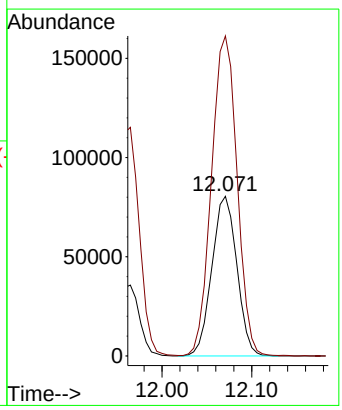


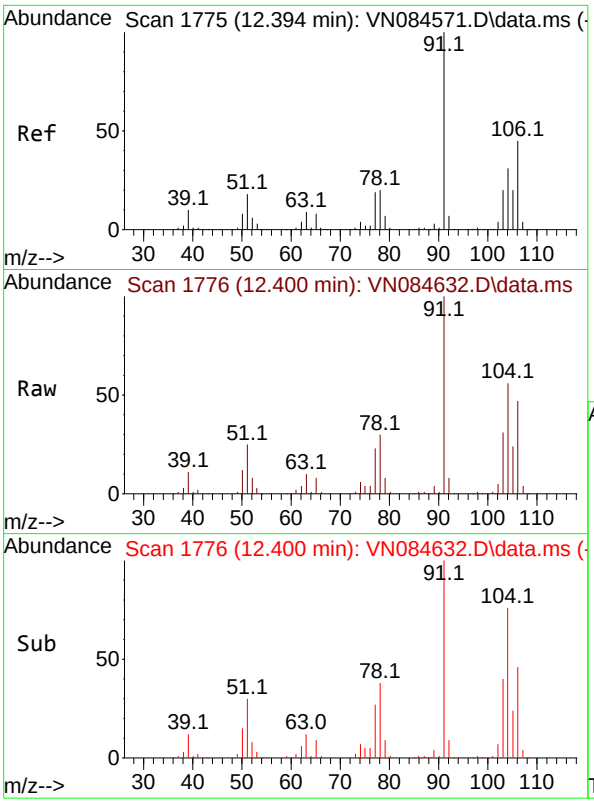


#68
m/p-Xylenes
Concen: 39.784 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:106 Resp: 155447

Ion	Ratio	Lower	Upper
106	100		
91	205.6	167.1	250.7



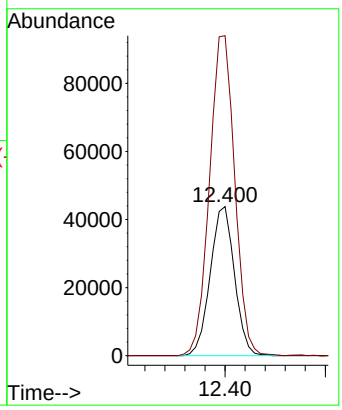


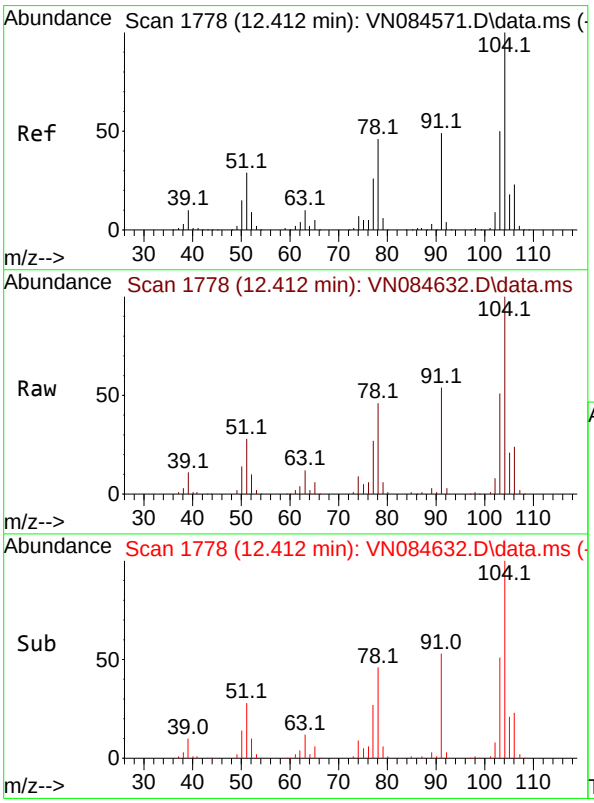
#69
o-Xylene
Concen: 20.108 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:106 Resp: 73499

Ion	Ratio	Lower	Upper
106	100		
91	223.7	110.2	330.6

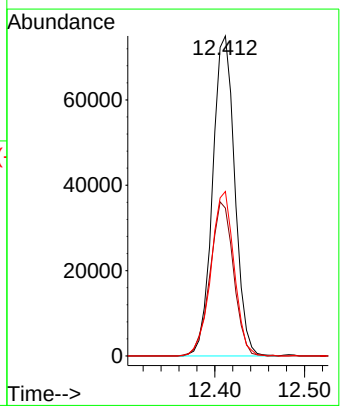


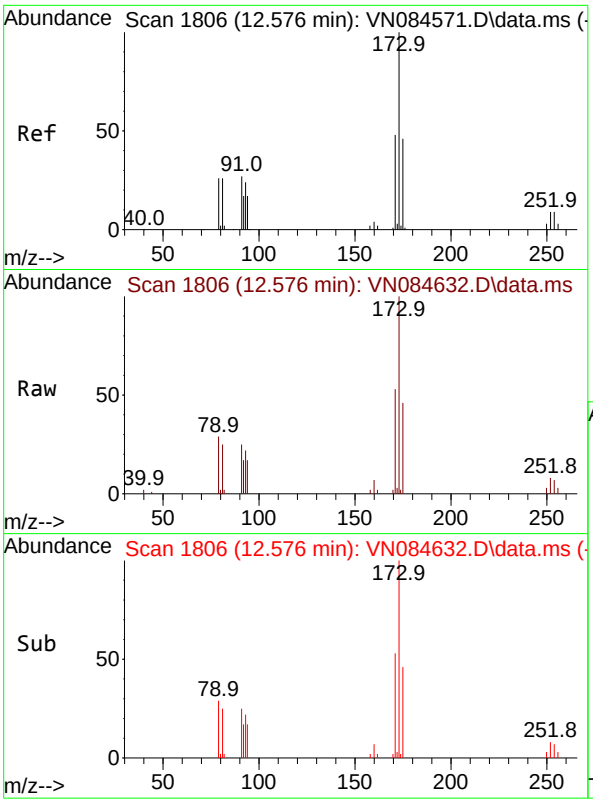


#70
Styrene
Concen: 20.153 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:104 Resp: 128498

Ion	Ratio	Lower	Upper
104	100		
78	51.1	42.7	64.1
103	53.8	43.6	65.4



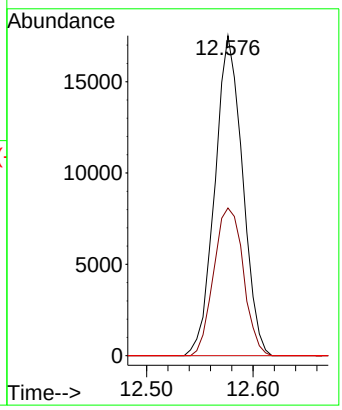


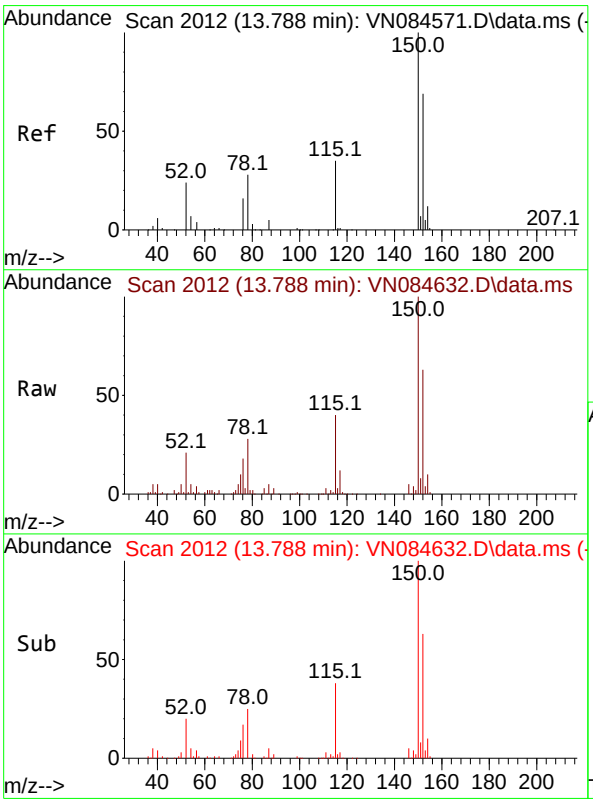
#71
Bromoform
Concen: 19.505 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:173 Resp: 31565

Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.5	70.6
254	0.0	0.0	0.0

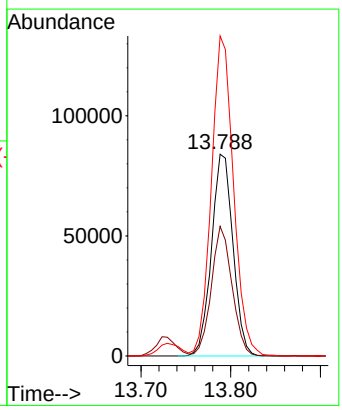


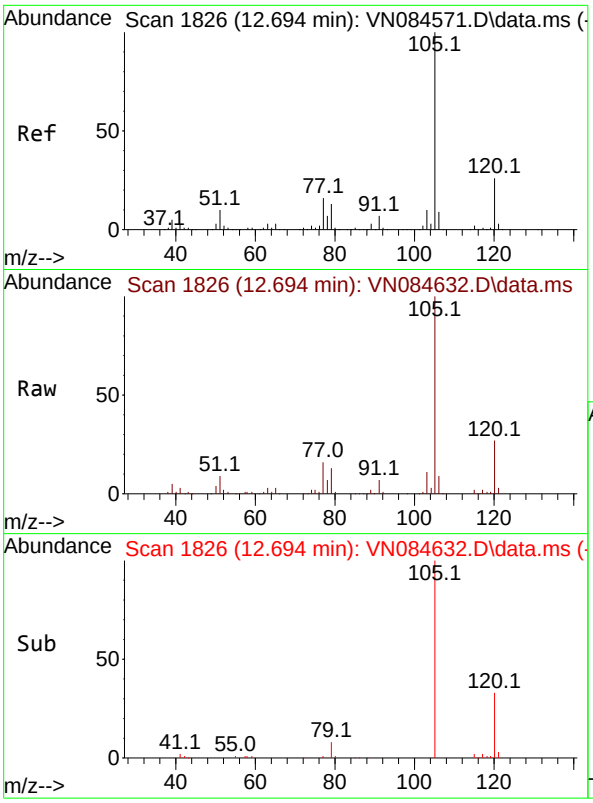


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:152 Resp: 139639

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	163.4	0.0	349.8



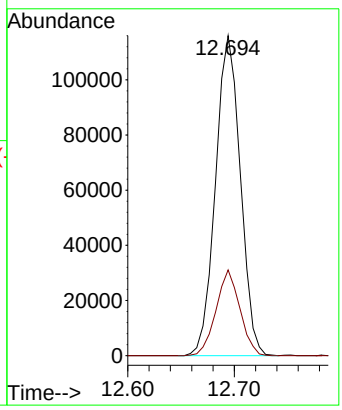


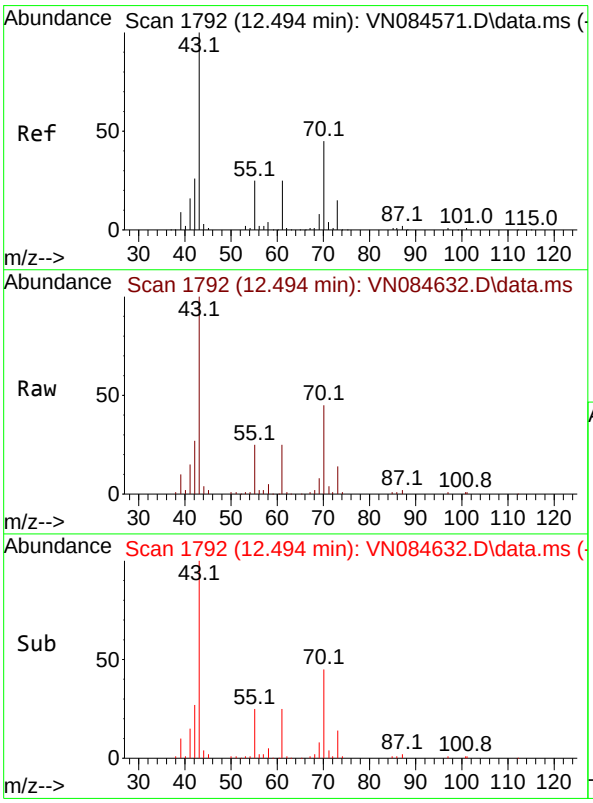
#73
Isopropylbenzene
Concen: 19.185 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:105 Resp: 187731

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

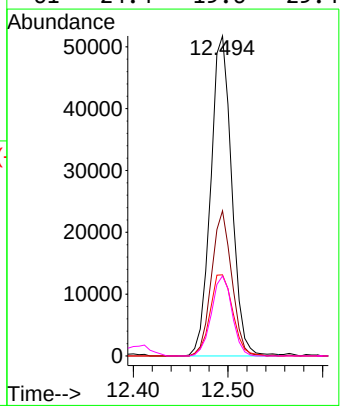


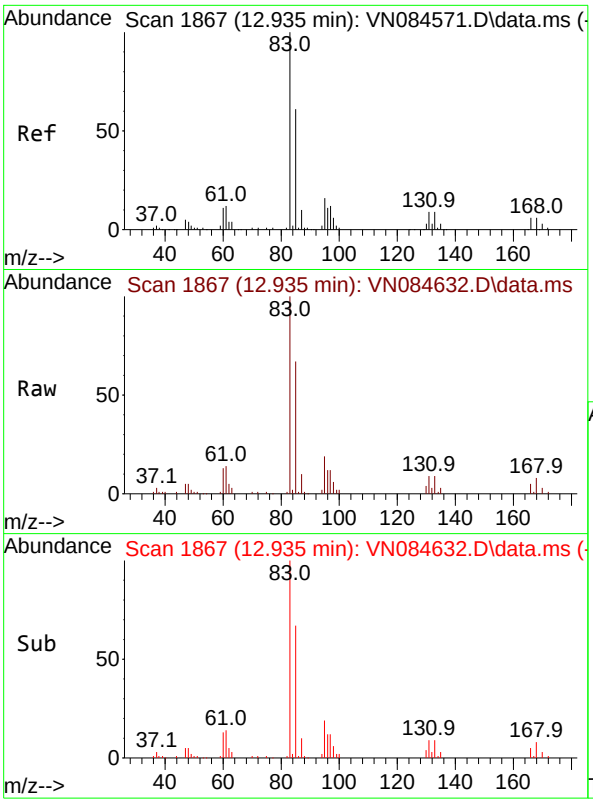


#74
N-amyl acetate
Concen: 19.218 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 43 Resp: 80040

Ion	Ratio	Lower	Upper
43	100		
70	43.6	34.4	51.6
55	27.3	19.6	29.4
61	24.4	19.6	29.4



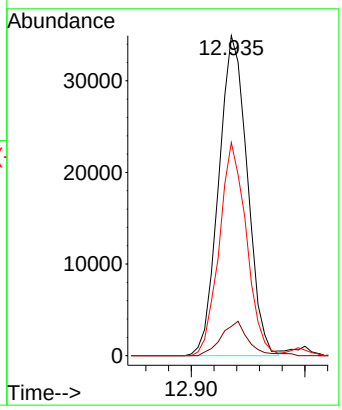


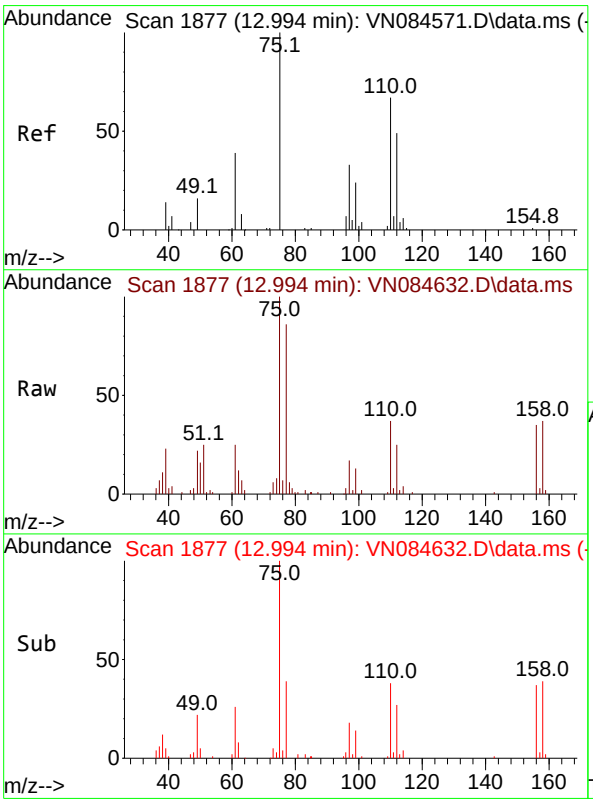
#75
1,1,2,2-Tetrachloroethane
Concen: 18.676 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 83 Resp: 61000

Ion	Ratio	Lower	Upper
83	100		
131	10.3	4.9	14.7
85	63.3	31.9	95.7

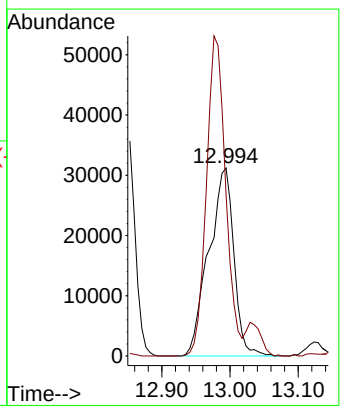


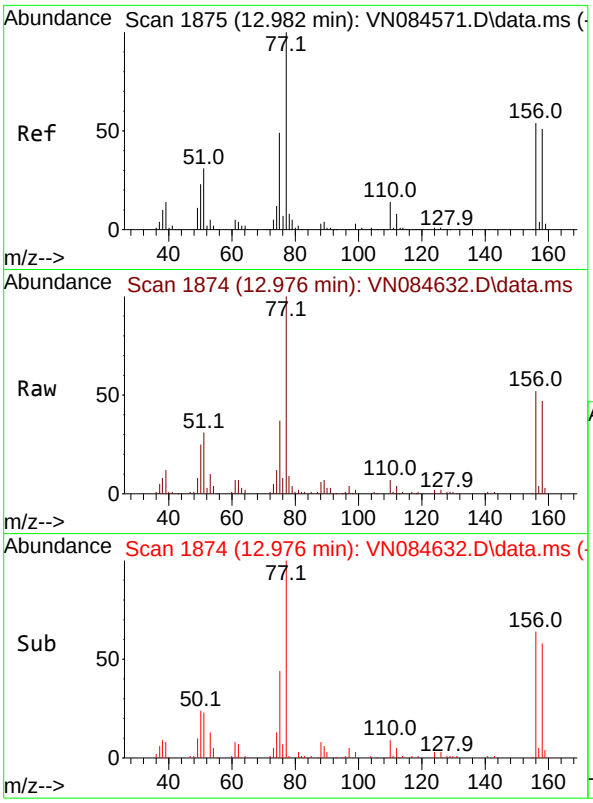


#76
1,2,3-Trichloropropane
Concen: 28.671 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 80030

Ion	Ratio	Lower	Upper
75	100		
77	130.5	96.9	290.7



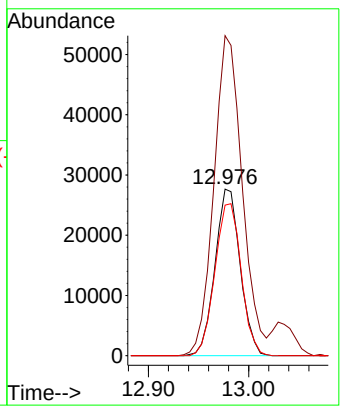


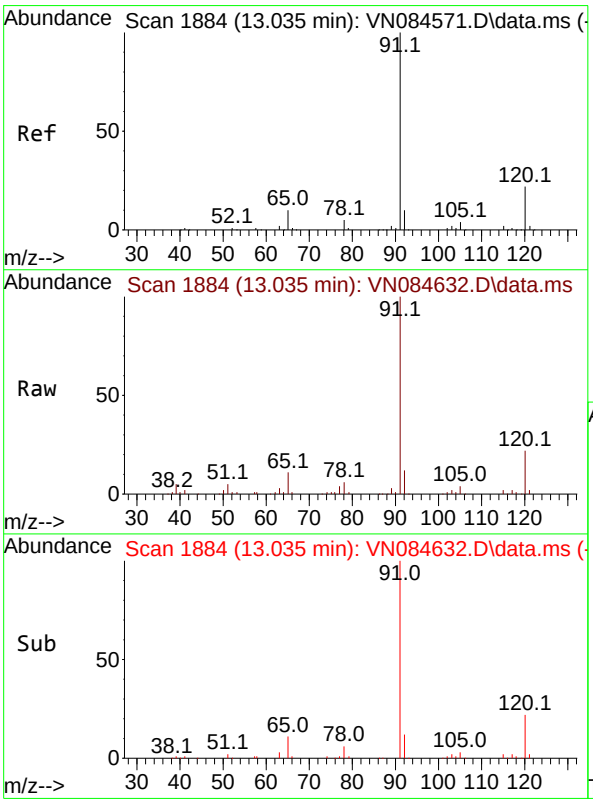
#77
Bromobenzene
Concen: 18.321 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:156 Resp: 48197

Ion	Ratio	Lower	Upper
156	100		
77	216.7	115.1	345.3
158	95.2	48.9	146.8

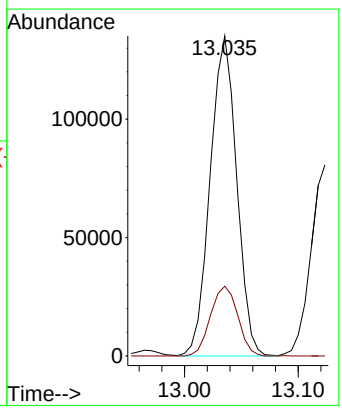


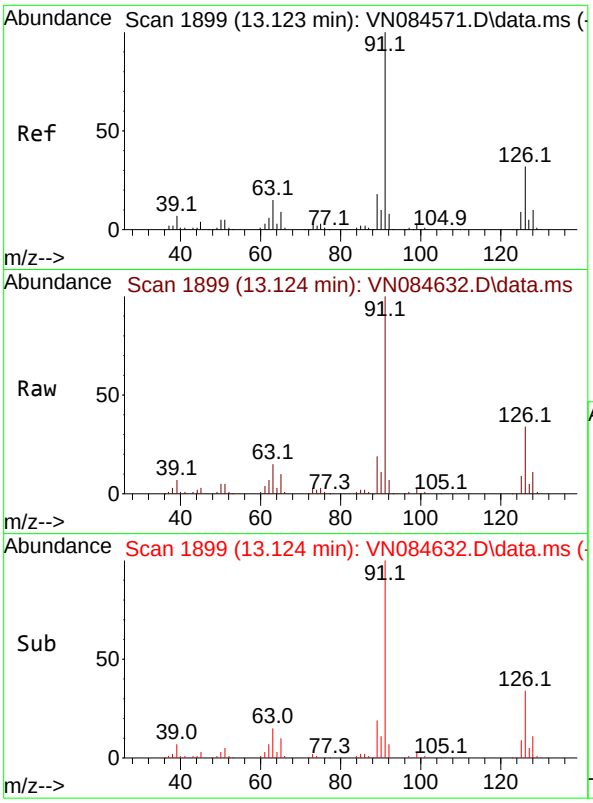


#78
n-propylbenzene
Concen: 19.130 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 219361

Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



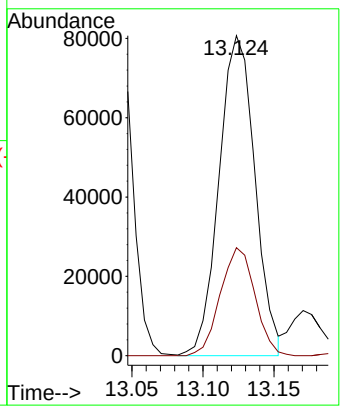


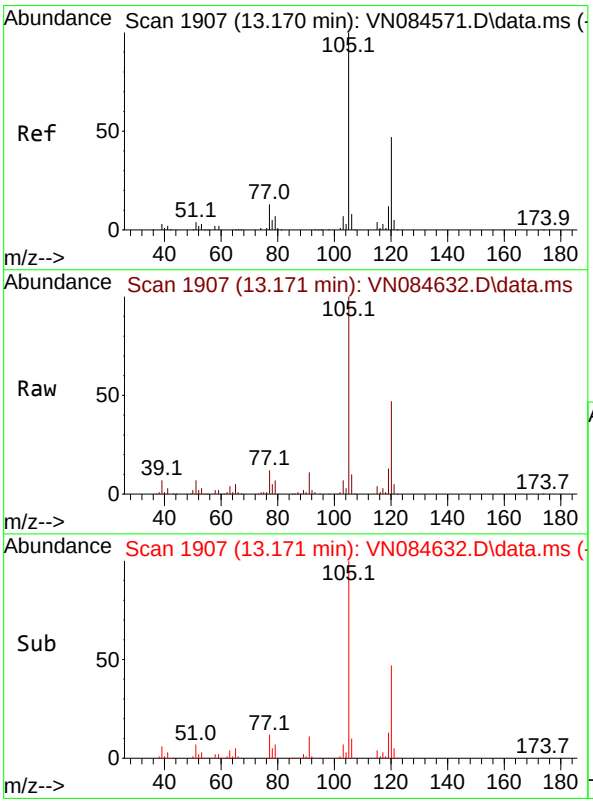
#79
2-Chlorotoluene
Concen: 18.959 ug/l
RT: 13.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 91 Resp: 142054

Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.7	47.1

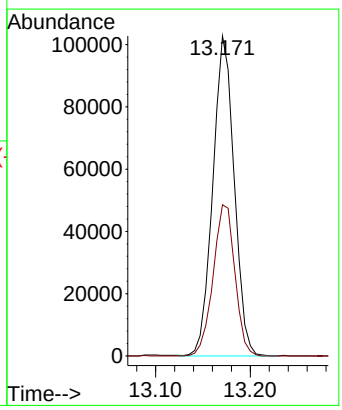


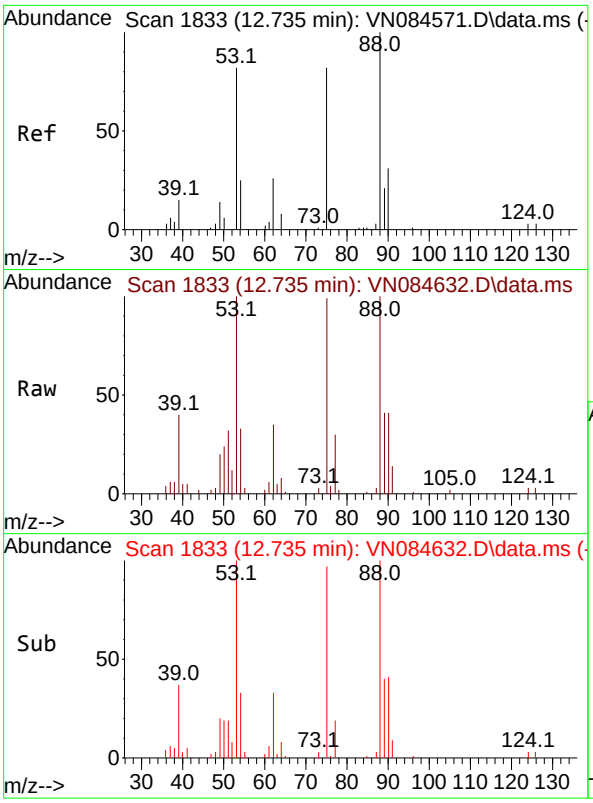


#80
1,3,5-Trimethylbenzene
Concen: 19.861 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 161079

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.7	71.1



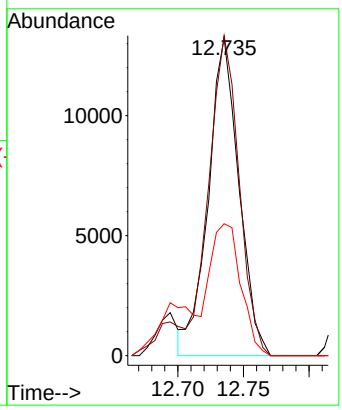


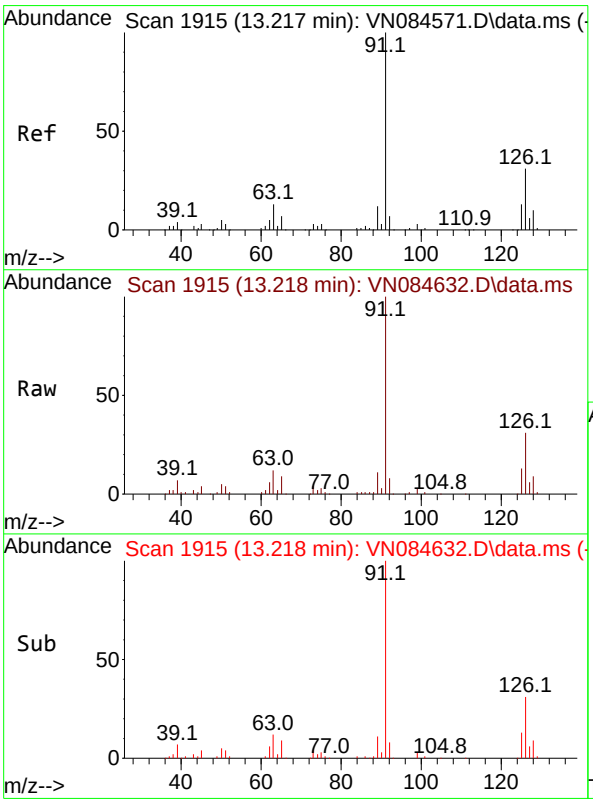
#81
trans-1,4-Dichloro-2-butene
Concen: 18.271 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 75 Resp: 21497

Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.0	117.0
89	41.4	35.5	53.3

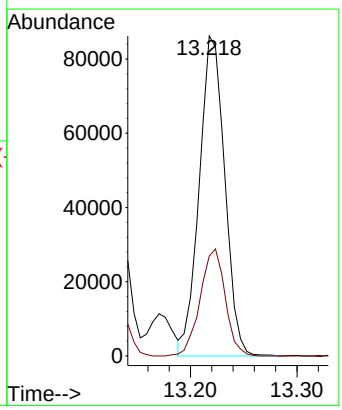


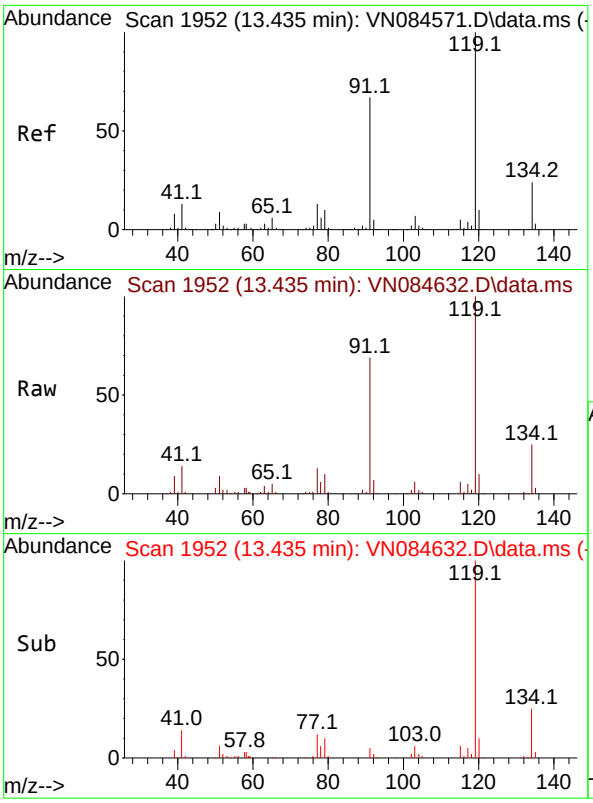


#82
4-Chlorotoluene
Concen: 18.187 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 91 Resp: 143409

Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.7	47.1



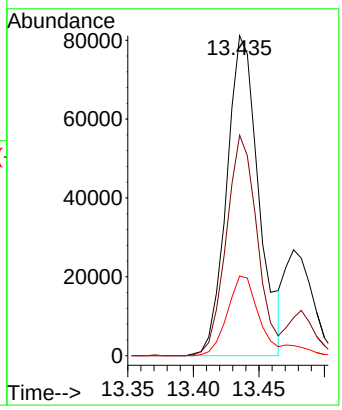


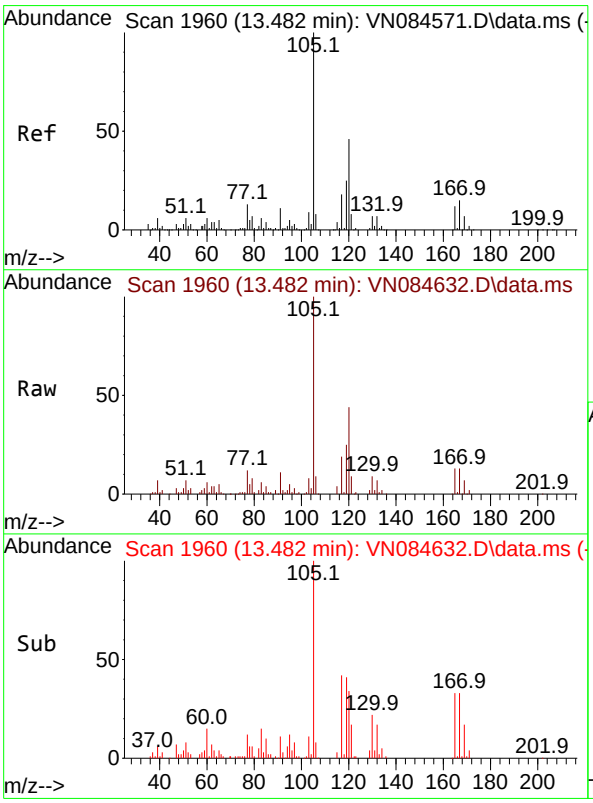
#83
tert-Butylbenzene
Concen: 20.530 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:119 Resp: 137807

Ion	Ratio	Lower	Upper
119	100		
91	66.5	34.1	102.3
134	26.7	12.8	38.4

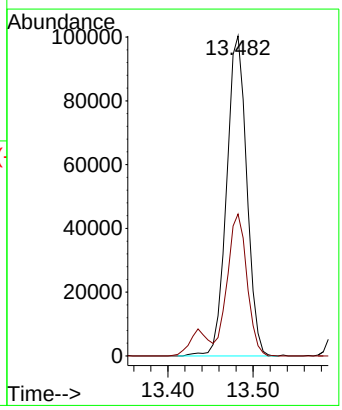


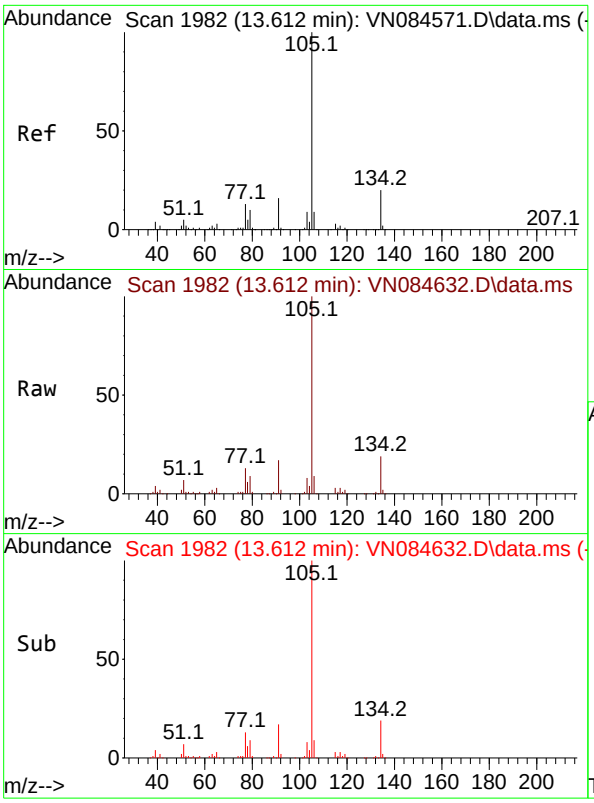


#84
1,2,4-Trimethylbenzene
Concen: 19.634 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:105 Resp: 164356

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.3	66.8



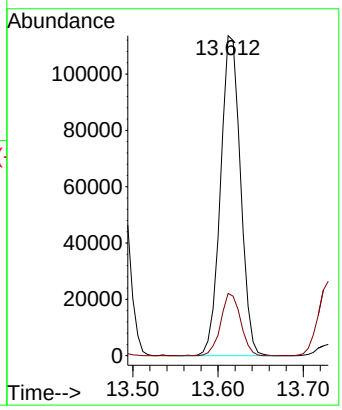


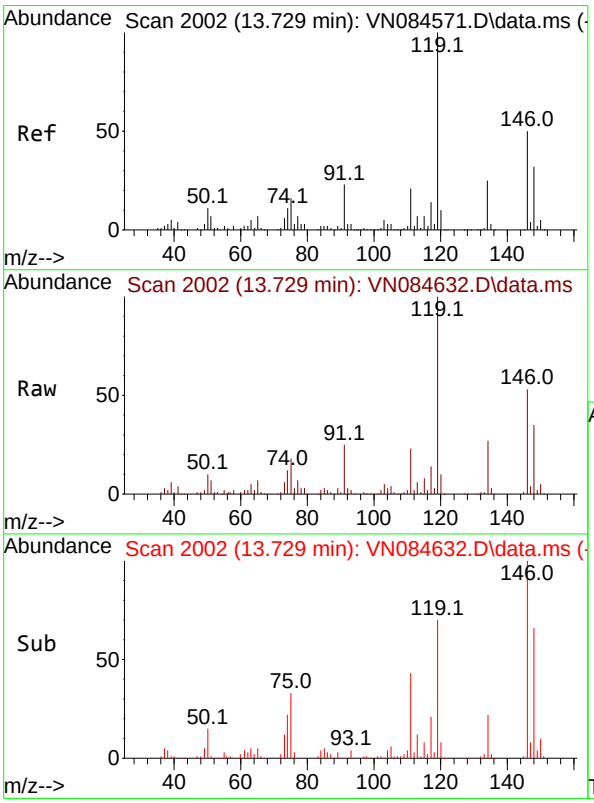
#85
sec-Butylbenzene
Concen: 19.458 ug/l
RT: 13.612 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:105 Resp: 184495

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

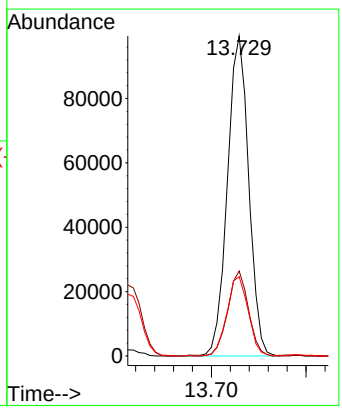


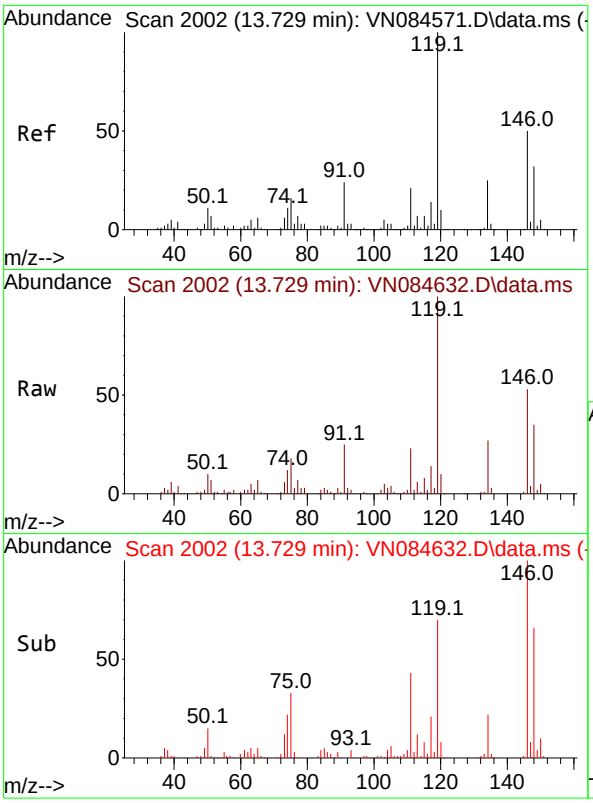


#86
p-Isopropyltoluene
Concen: 19.939 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:119 Resp: 155045

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.6	37.8
91	24.9	12.4	37.2



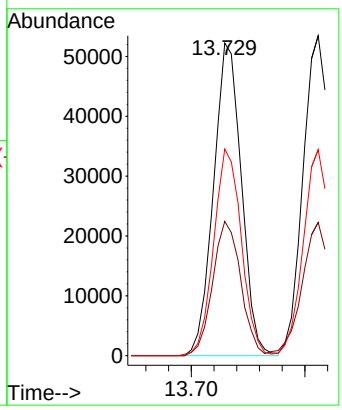


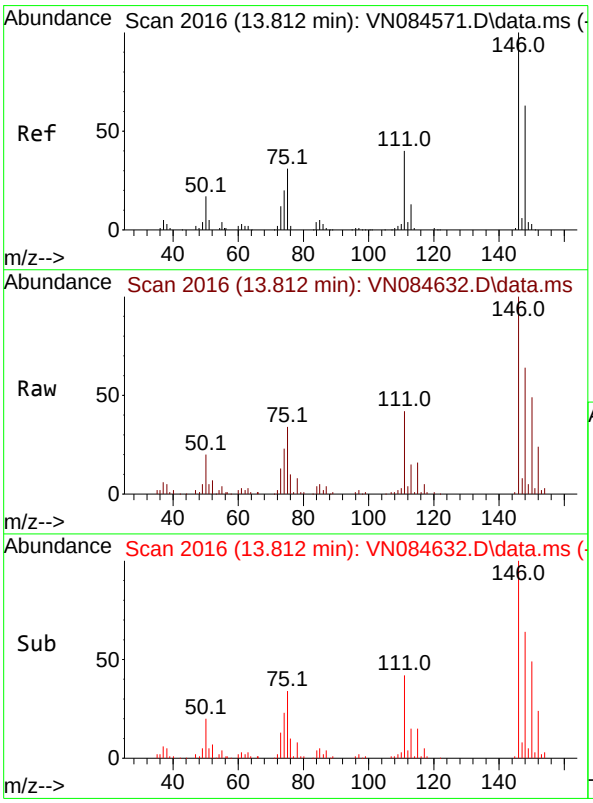
#87
1,3-Dichlorobenzene
Concen: 17.338 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:146 Resp: 89011

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	65.7	31.9	95.7

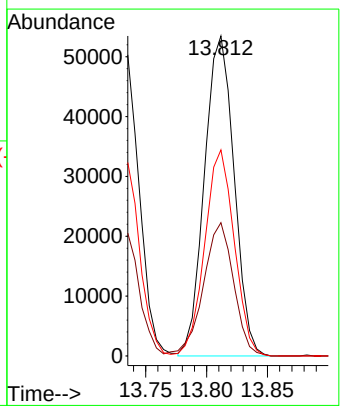


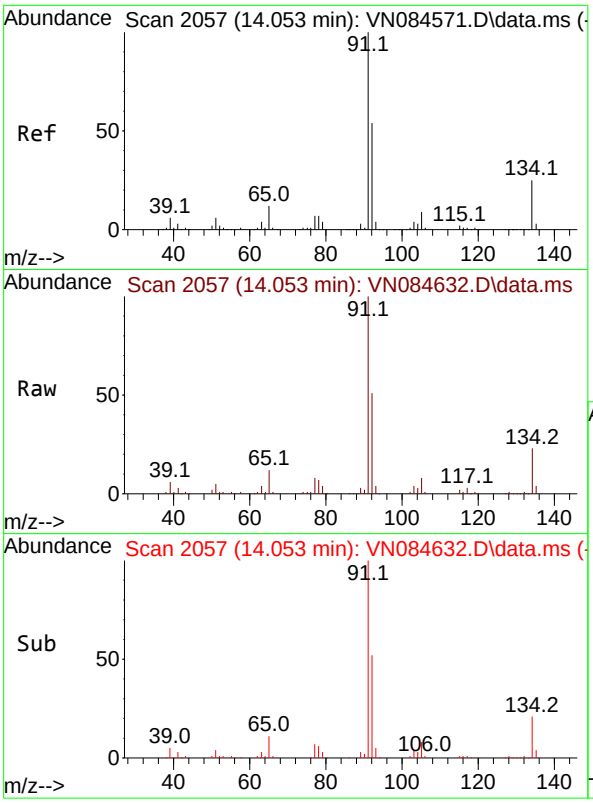


#88
1,4-Dichlorobenzene
Concen: 18.501 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:146 Resp: 90455

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	64.2	31.9	95.9



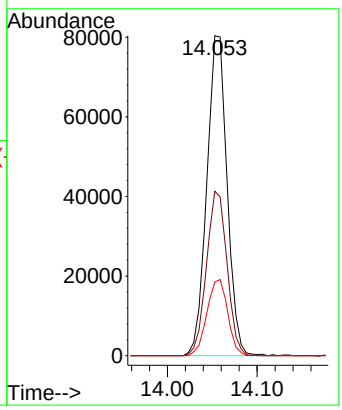


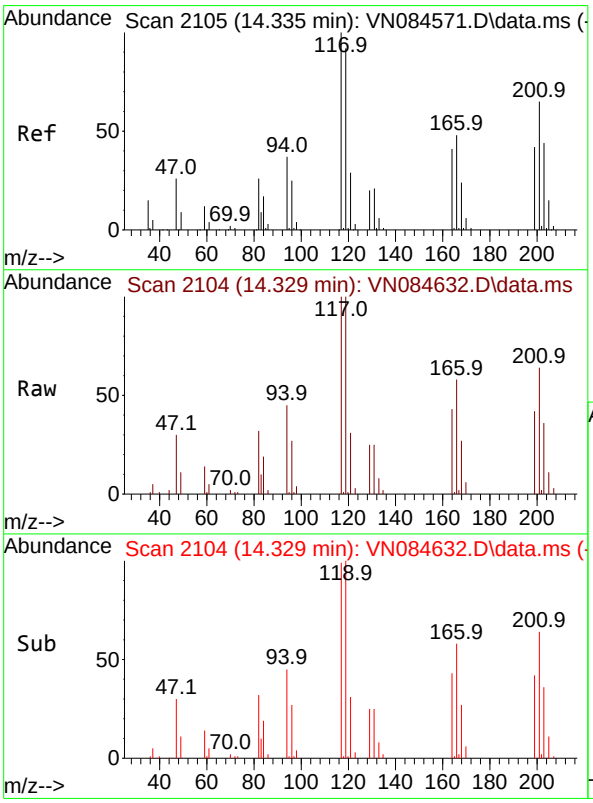
#89
n-Butylbenzene
Concen: 17.349 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion: 91 Resp: 126197

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	24.3	12.3	36.9

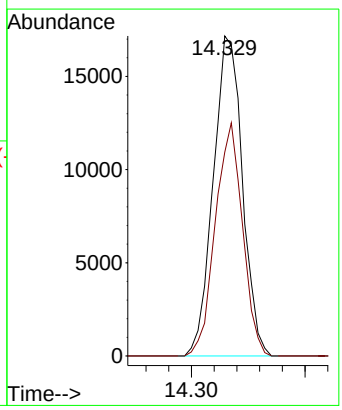


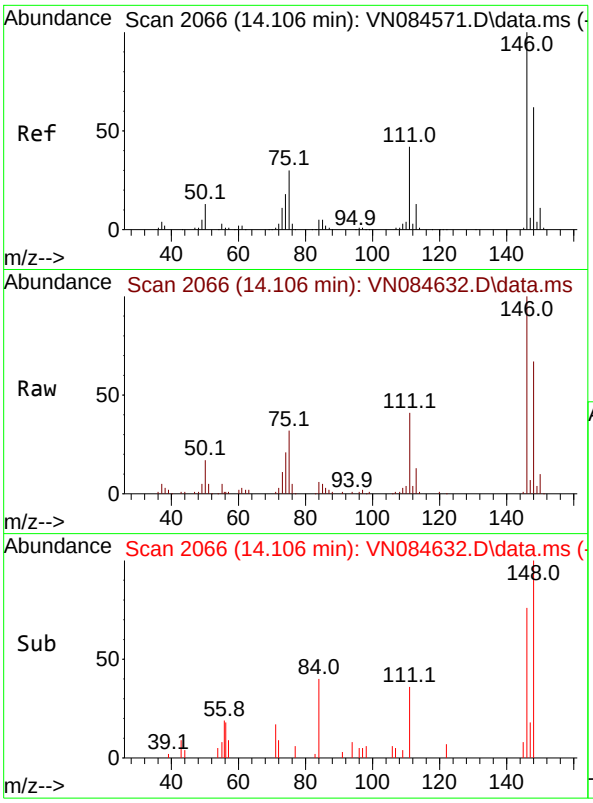


#90
Hexachloroethane
Concen: 17.643 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:117 Resp: 30596

Ion	Ratio	Lower	Upper
117	100		
201	68.0	34.4	103.2



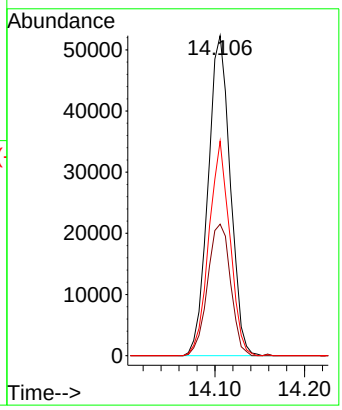


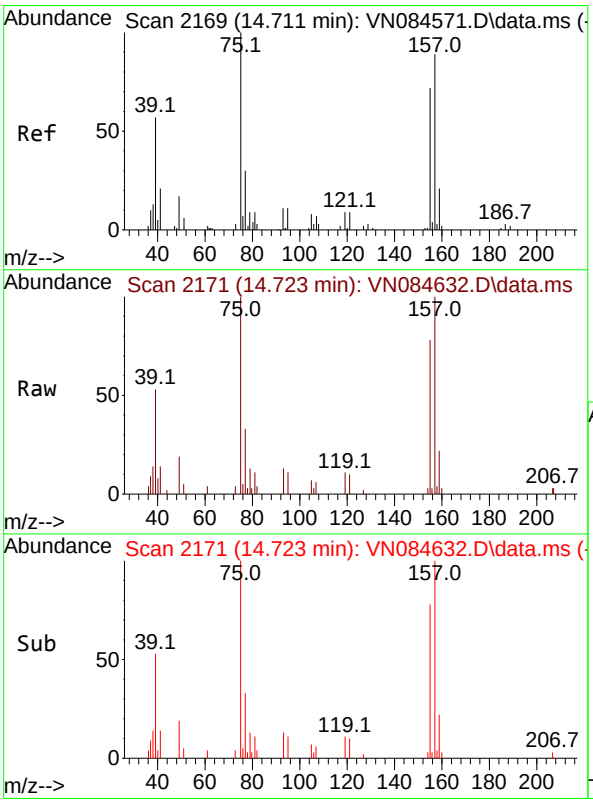
#91
1,2-Dichlorobenzene
Concen: 18.166 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:146 Resp: 89620

Ion	Ratio	Lower	Upper
146	100		
111	42.6	22.0	66.0
148	63.4	32.1	96.3

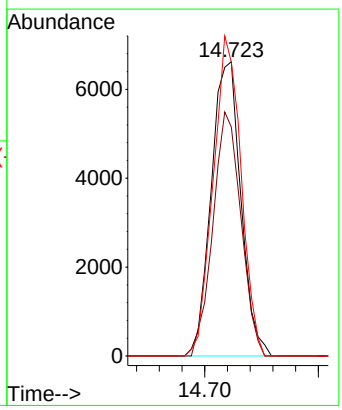


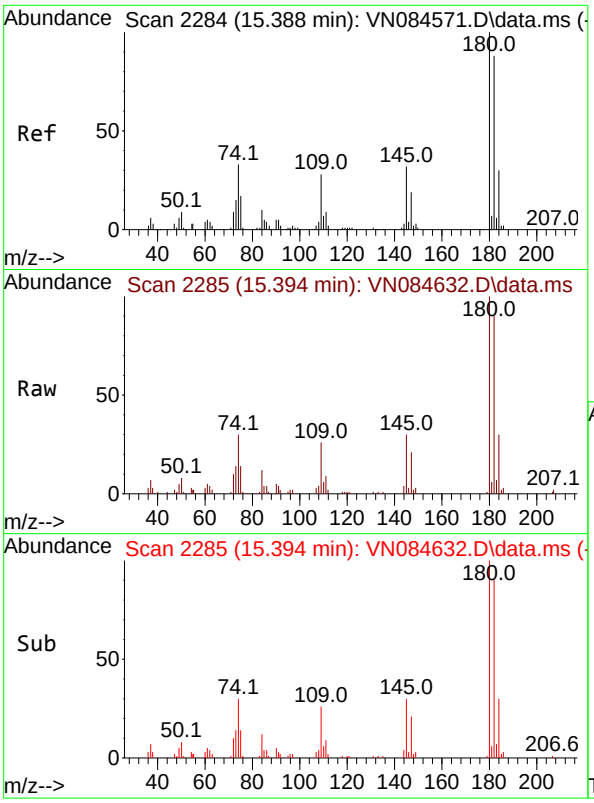


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.135 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion: 75 Resp: 12000

Ion	Ratio	Lower	Upper
75	100		
155	78.3	38.1	114.5
157	102.2	49.6	149.0



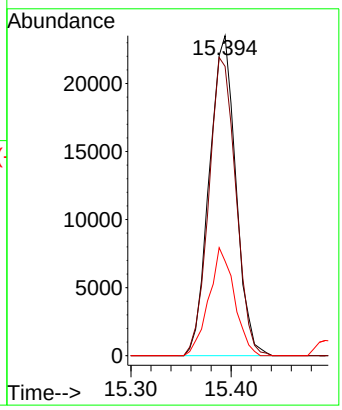


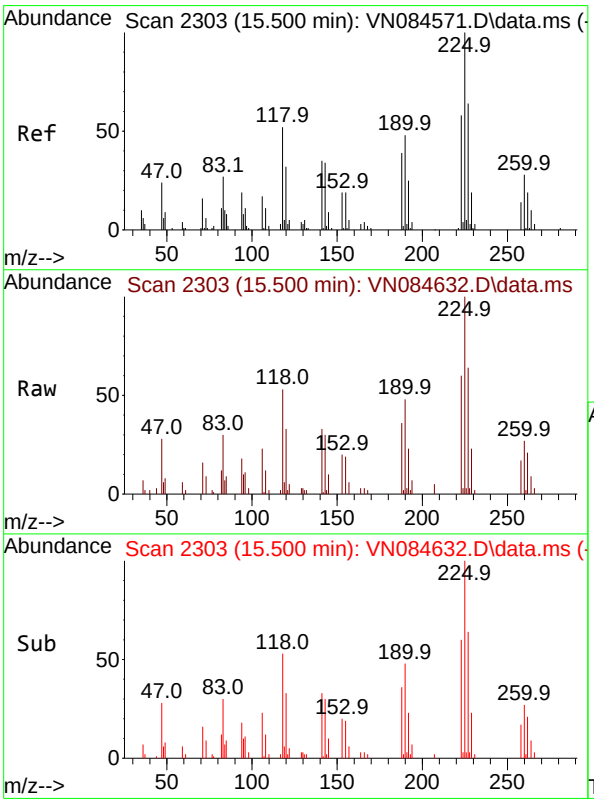
#93
1,2,4-Trichlorobenzene
Concen: 15.975 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:180 Resp: 43138

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.0	141.0
145	32.5	16.4	49.4

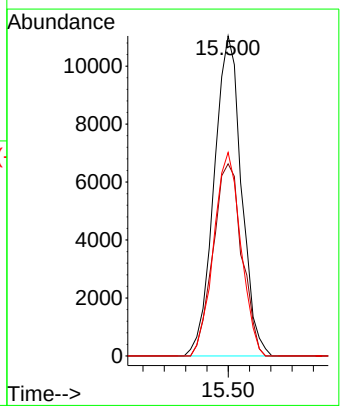


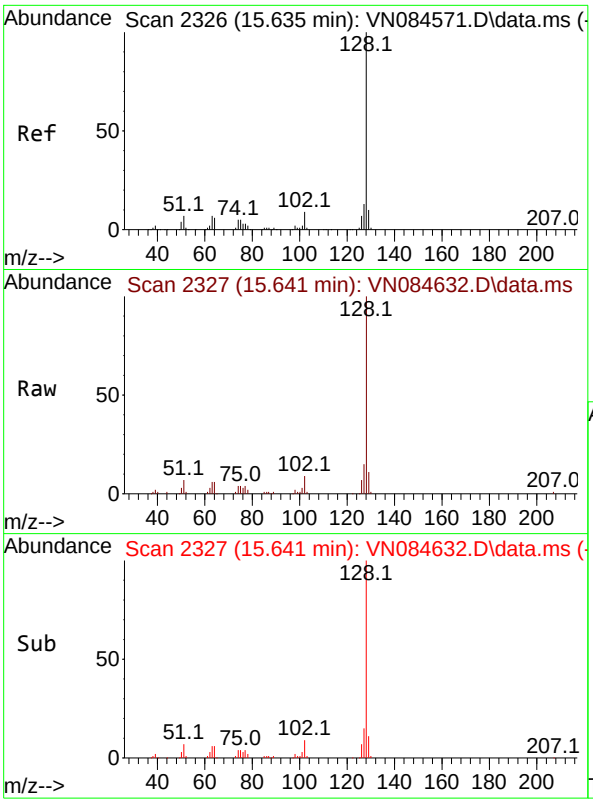


#94
Hexachlorobutadiene
Concen: 16.620 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:225 Resp: 19708

Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.4	97.2
227	63.1	32.4	97.0



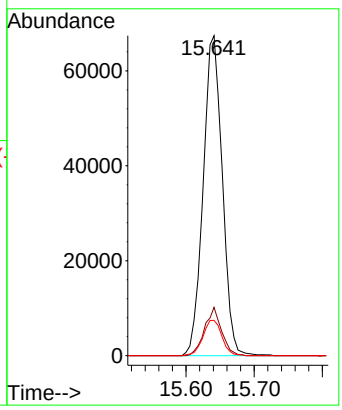


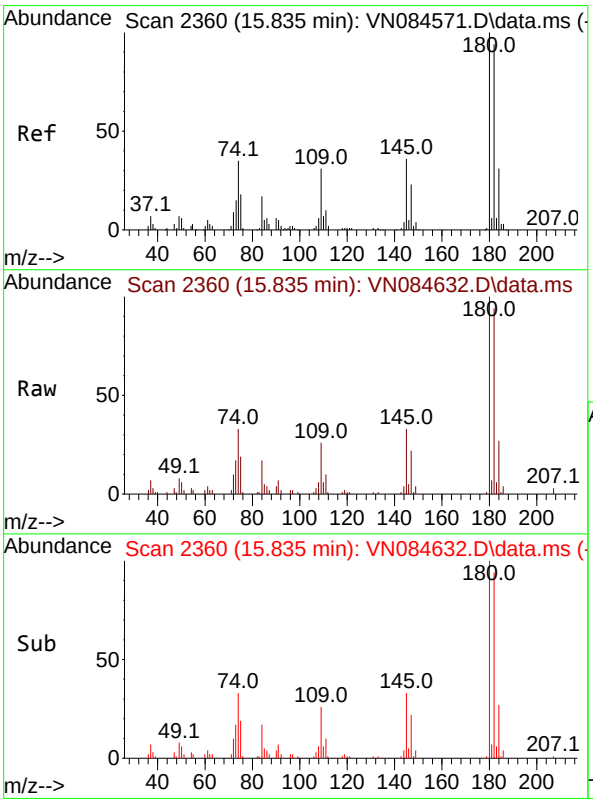
#95
Naphthalene
Concen: 16.299 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBSD01

Tgt Ion:128 Resp: 131737

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.0	8.7	13.1

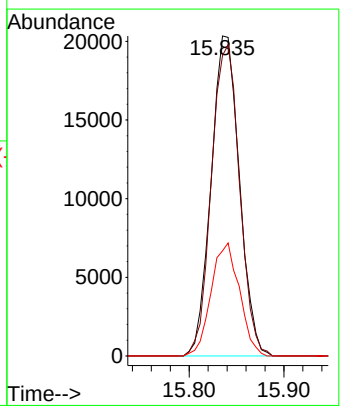




#96
1,2,3-Trichlorobenzene
Concen: 16.090 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN084632.D
Acq: 01 Nov 2024 12:32

Tgt Ion:180 Resp: 42176

Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.2	144.6
145	35.4	17.3	51.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Quant Time: Nov 04 04:29:34 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

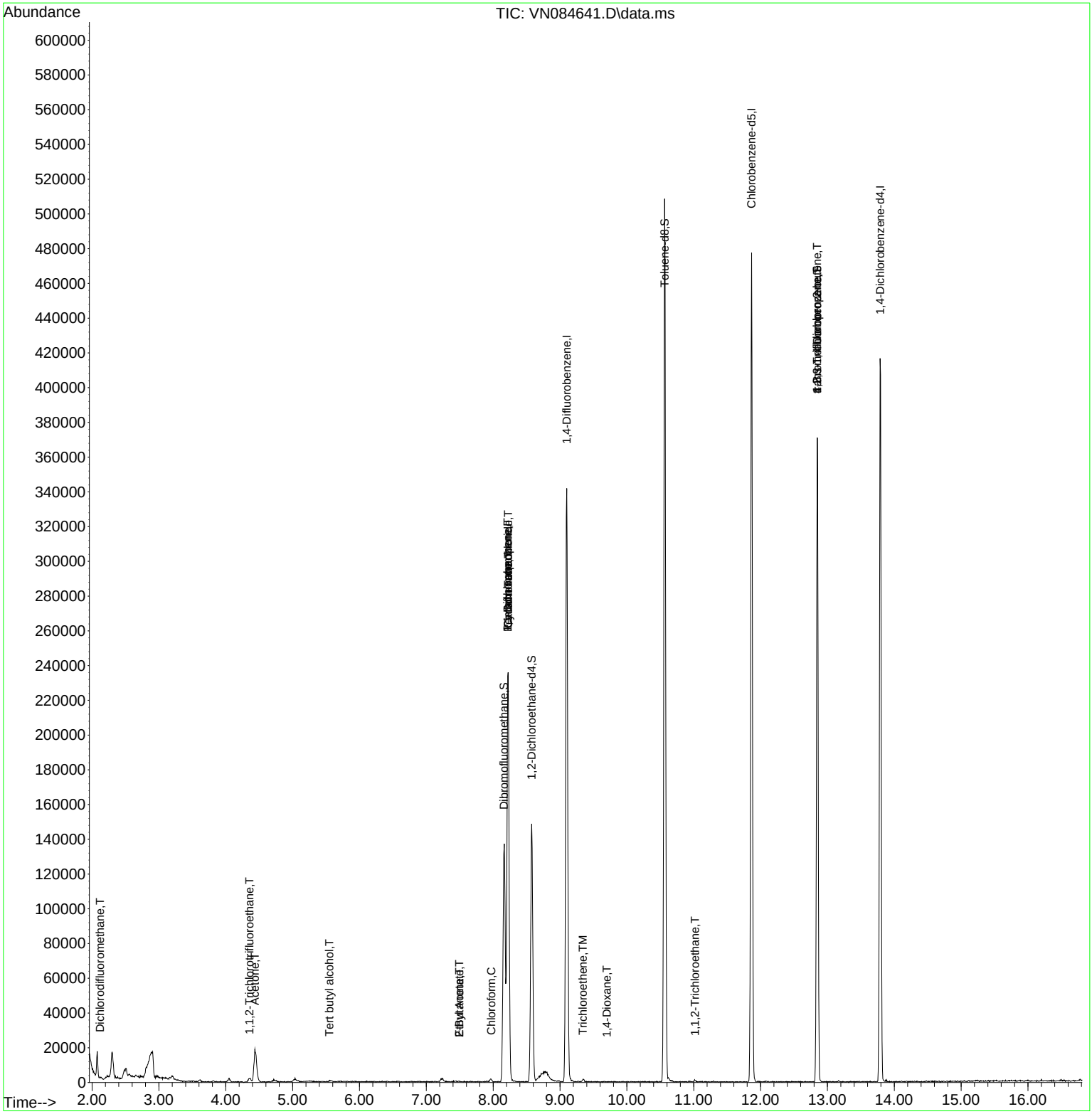
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122601	49.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.960%			
35) Dibromofluoromethane	8.159	113	98779	49.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.920%			
50) Toluene-d8	10.565	98	347290	47.204	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.400%			
62) 4-Bromofluorobenzene	12.847	95	129879	47.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	946	0.485	ug/l	89
3) Chloromethane	2.360	50	774	Below Cal	#	41
6) Chloroethane	3.107	64	219	Below Cal	#	45
9) 1,1,2-Trichlorotrifluo...	4.354	101	1117	0.572	ug/l	92
11) Tert butyl alcohol	5.548	59	370	1.143	ug/l #	73
16) Acetone	4.436	43	2819	1.139	ug/l #	81
18) Methyl Acetate	5.036	43	3594	Below Cal	#	81
25) 2-Butanone	7.494	43	533	0.466	ug/l #	48
30) Chloroform	7.971	83	1609	0.423	ug/l	89
31) Cyclohexane	8.224	56	3812	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14622	5.279	ug/l #	51
37) Ethyl Acetate	7.494	43	533	0.212	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18403	5.944	ug/l #	15
43) Isopropyl Acetate	8.683	43	2362	Below Cal	#	56
44) Trichloroethene	9.341	130	532	0.259	ug/l	92
49) 1,4-Dioxane	9.700	88	91	2.626	ug/l #	23
55) 1,1,2-Trichloroethane	11.018	97	631	0.322	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	68327	29.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68327	70.245	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	129	Below Cal	#	58

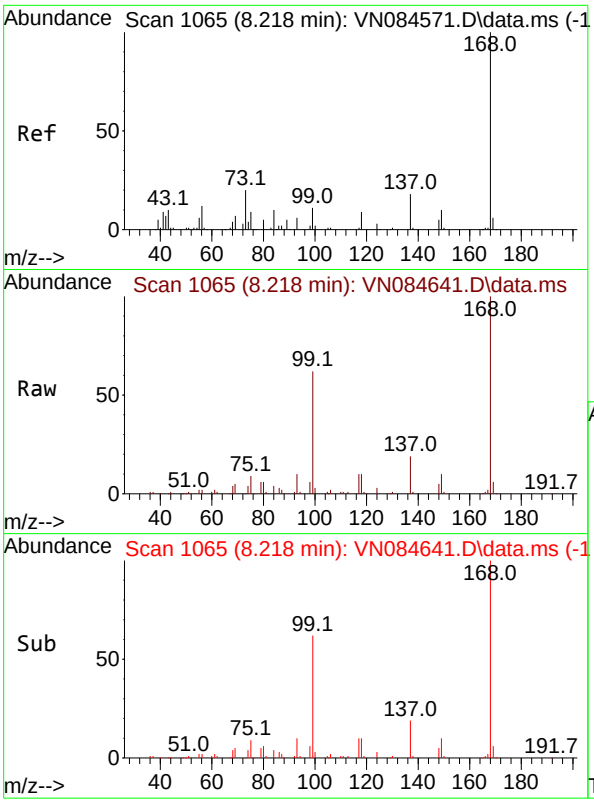
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084641.D
Acq On : 01 Nov 2024 16:19
Operator : JC\MD
Sample : P4665-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Quant Time: Nov 04 04:29:34 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



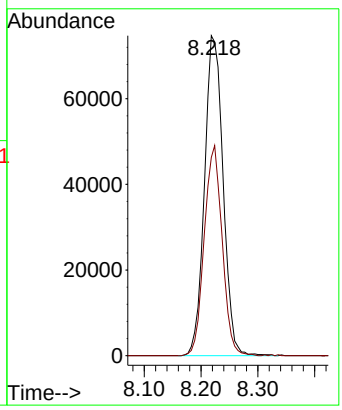


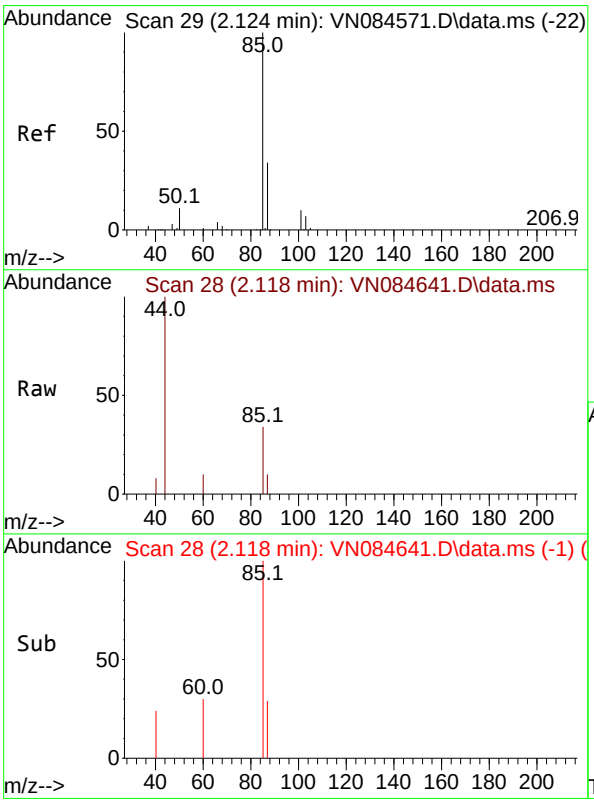
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:168 Resp: 169823

Ion	Ratio	Lower	Upper
168	100		
99	61.9	54.2	81.2

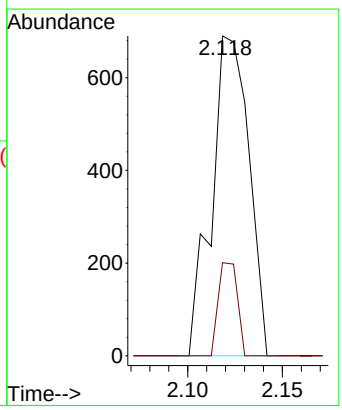


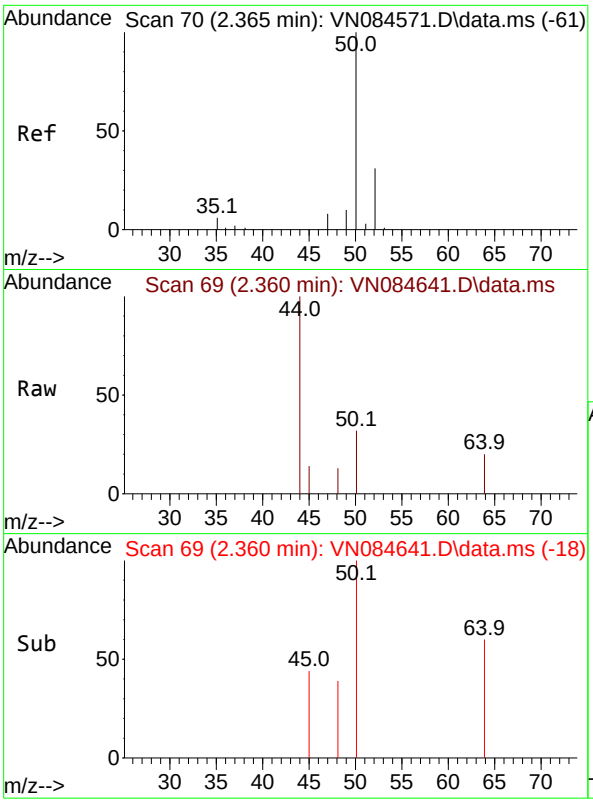


#2
Dichlorodifluoromethane
Concen: 0.485 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 85 Resp: 946

Ion	Ratio	Lower	Upper
85	100		
87	29.1	17.6	52.9



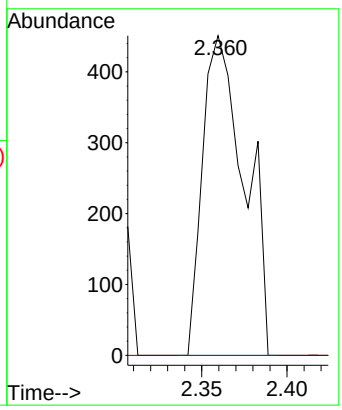


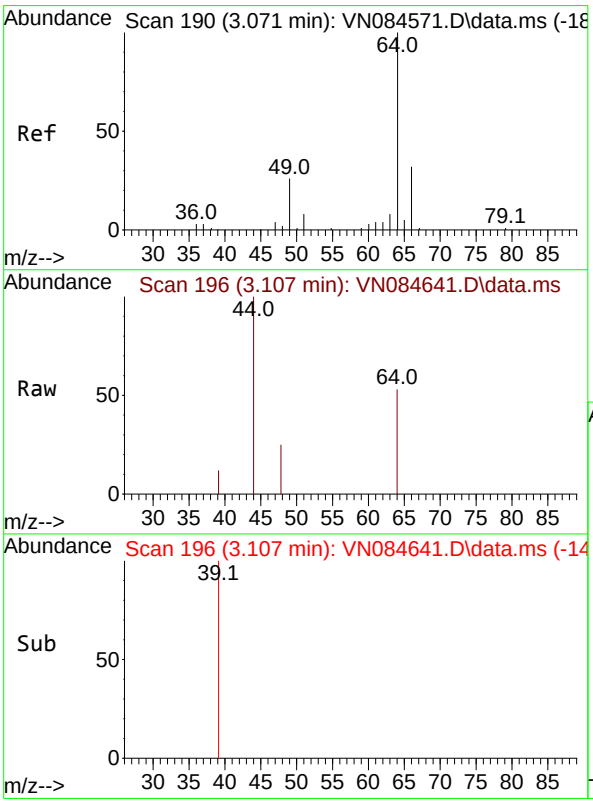
#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 6
Delta R.T. 0.001 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 50 Resp: 774

Ion	Ratio	Lower	Upper
50	100		
52	0.0	26.8	40.2#

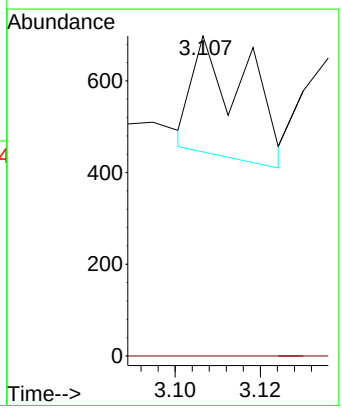


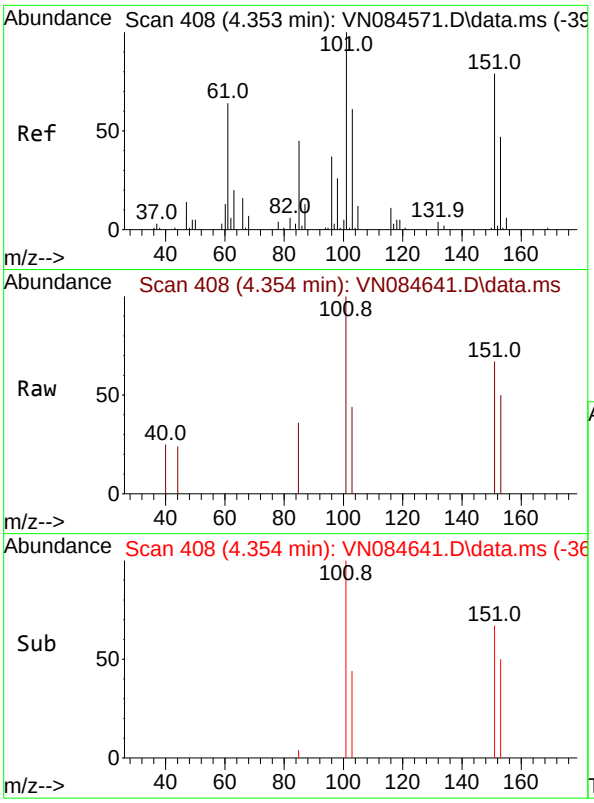


#6
Chloroethane
Concen: Below Cal
RT: 3.107 min Scan# 196
Delta R.T. -0.011 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 64 Resp: 219

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.5	35.3#



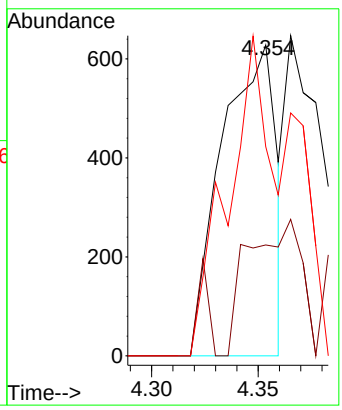


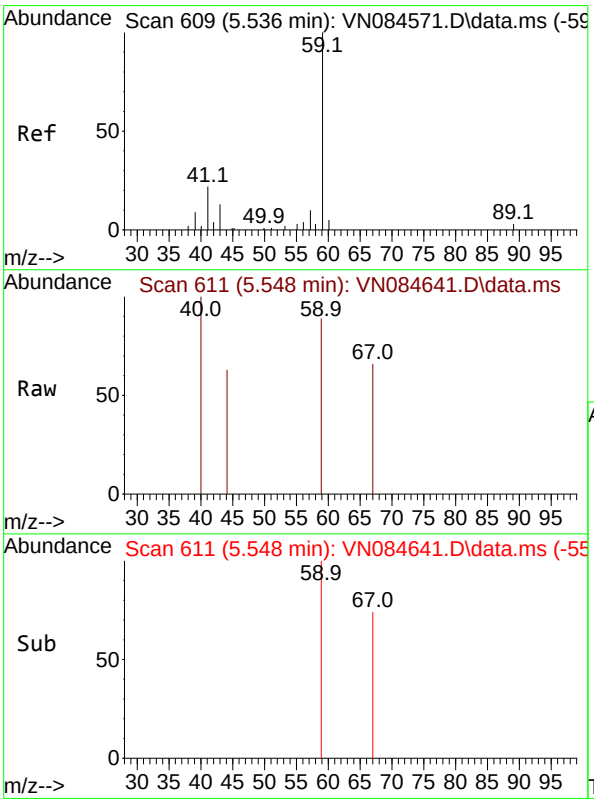
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.572 ug/l
RT: 4.354 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:101 Resp: 1117

Ion	Ratio	Lower	Upper
101	100		
85	49.1	36.2	54.4
151	81.8	59.3	88.9

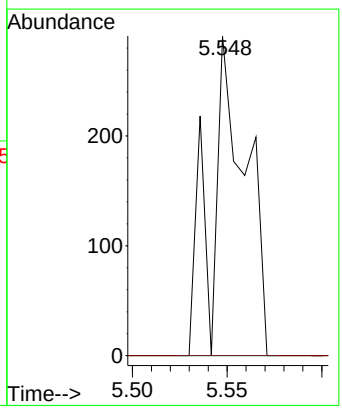


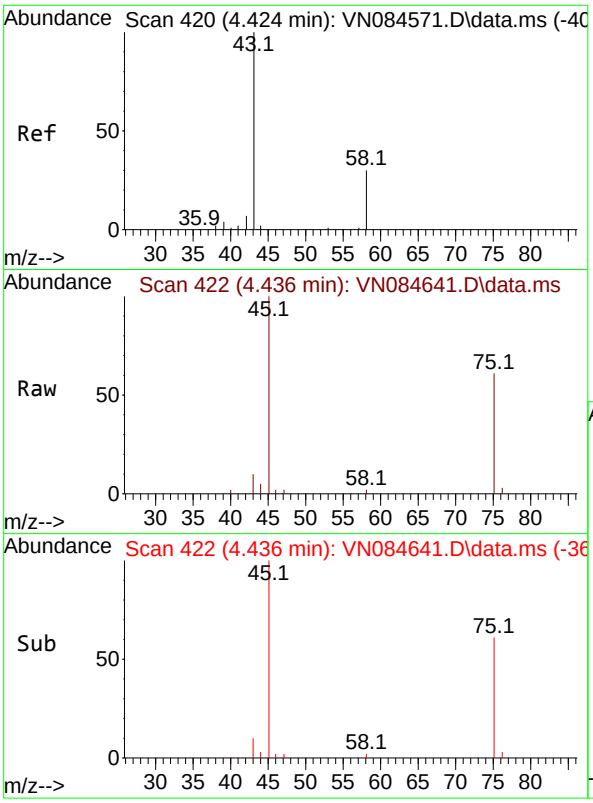


#11
Tert butyl alcohol
Concen: 1.143 ug/l
RT: 5.548 min Scan# 611
Delta R.T. 0.024 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 59 Resp: 370

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#



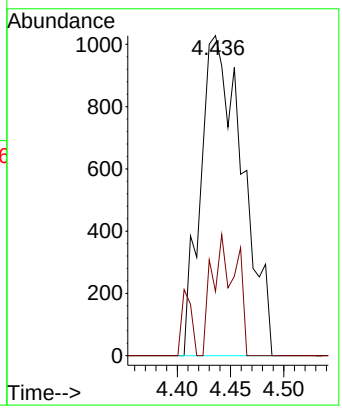


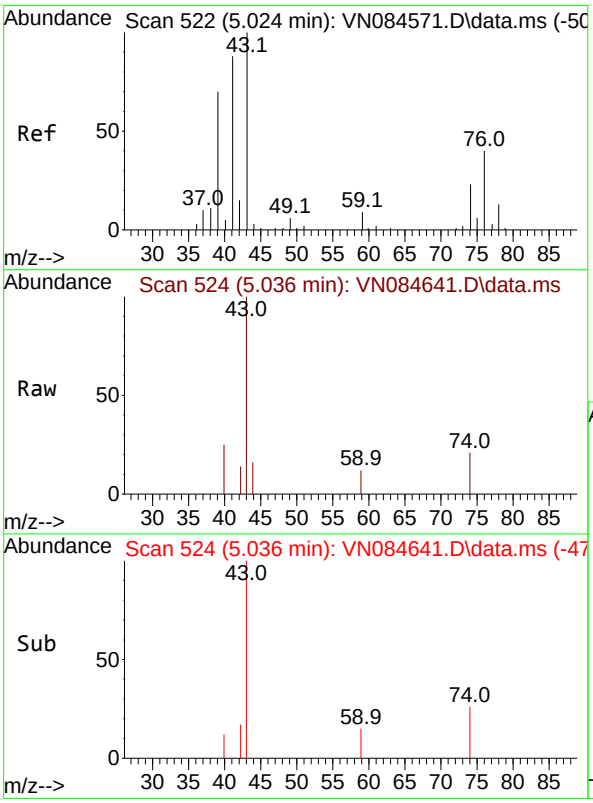
#16
Acetone
Concen: 1.139 ug/l
RT: 4.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 43 Resp: 2819

Ion	Ratio	Lower	Upper
43	100		
58	20.0	24.4	36.6#

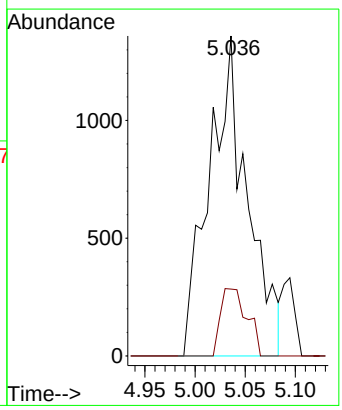


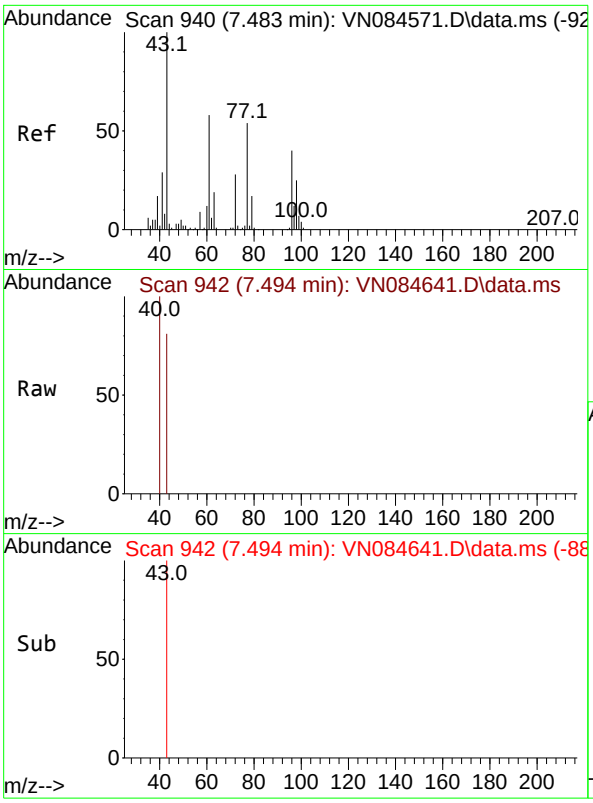


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 43 Resp: 3594

Ion	Ratio	Lower	Upper
43	100		
74	14.5	19.2	28.8#



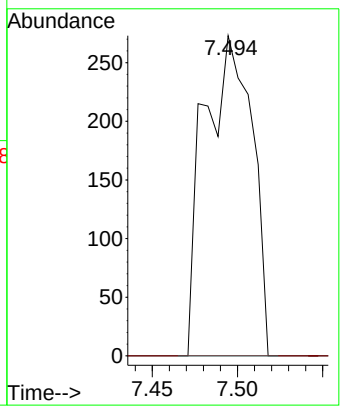


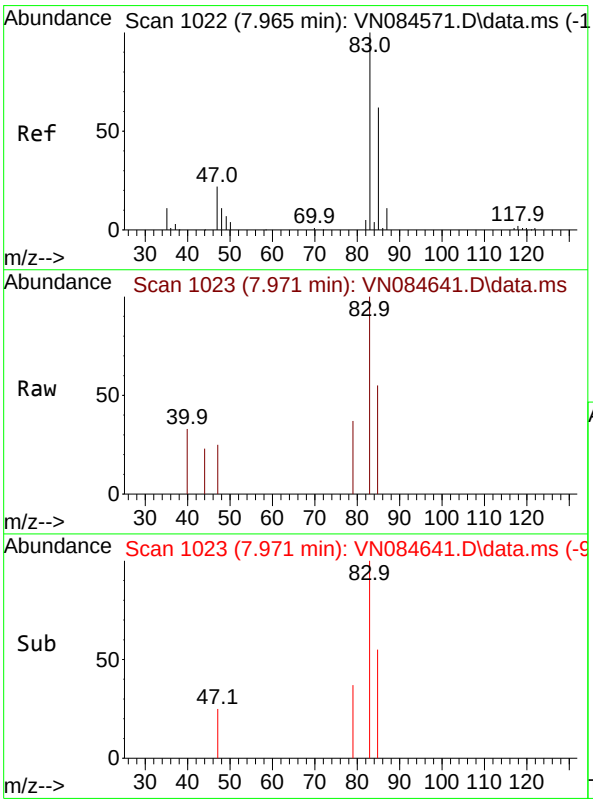
#25
2-Butanone
Concen: 0.466 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 43 Resp: 533

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#

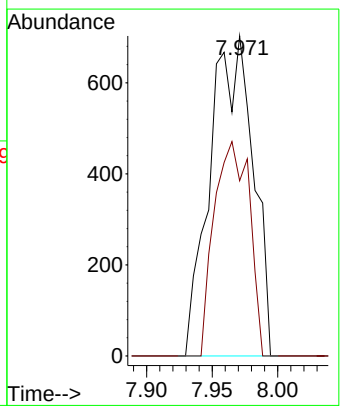


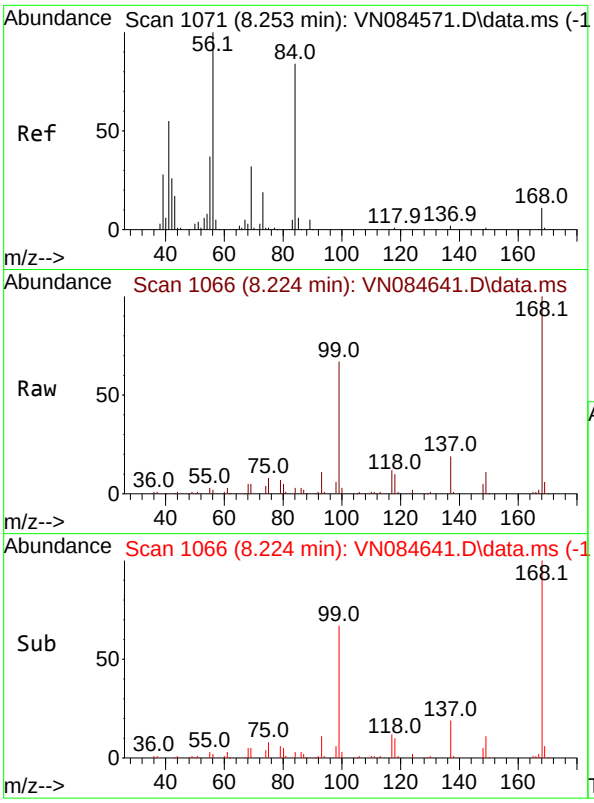


#30
Chloroform
Concen: 0.423 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 83 Resp: 1609

Ion	Ratio	Lower	Upper
83	100		
85	54.8	51.0	76.4



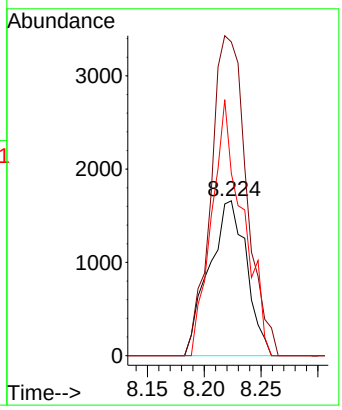


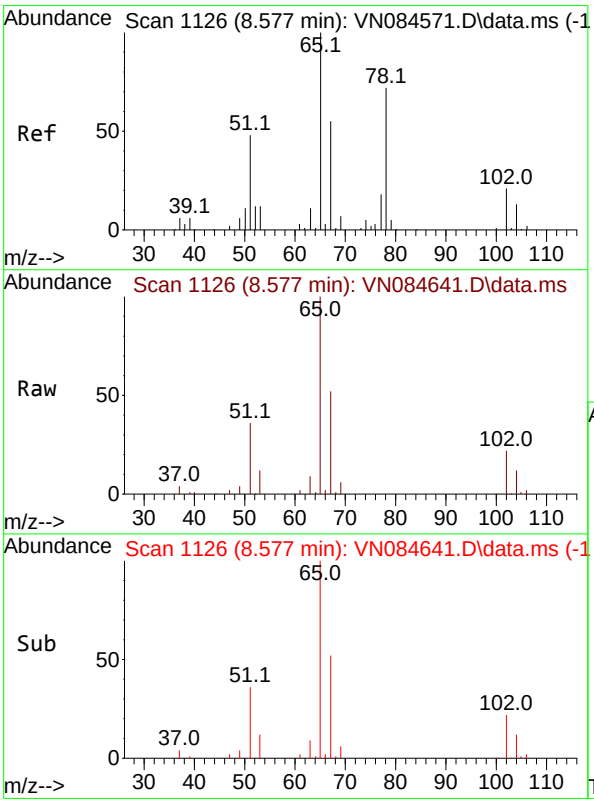
#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.029 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 56 Resp: 3812

Ion	Ratio	Lower	Upper
56	100		
69	202.7	23.8	35.6#
84	117.8	68.8	103.2#

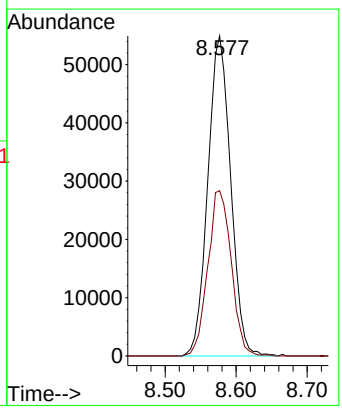


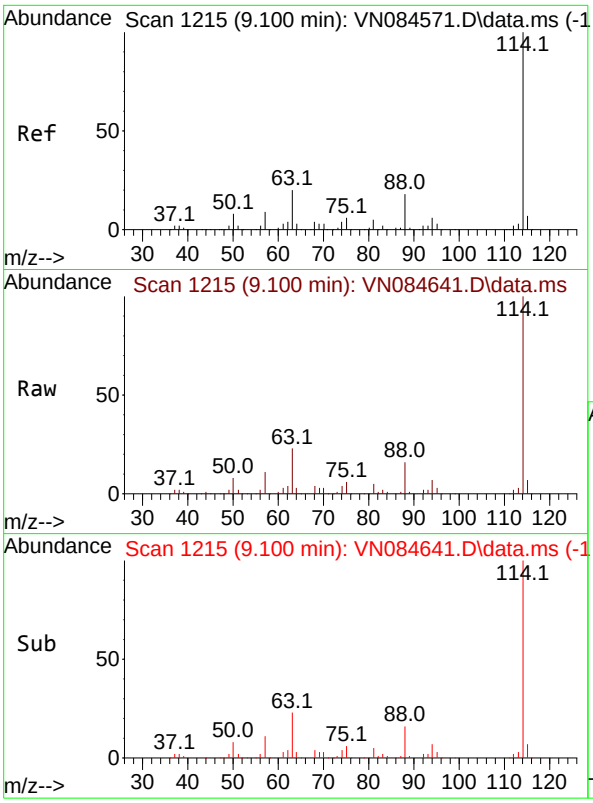


#33
1,2-Dichloroethane-d4
Concen: 49.984 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 65 Resp: 122601

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	102.0



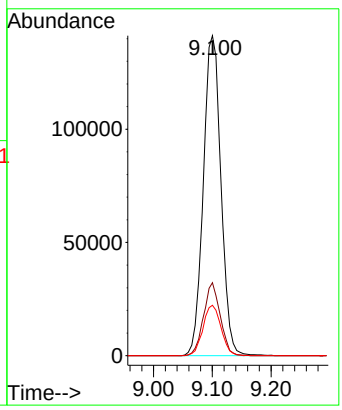


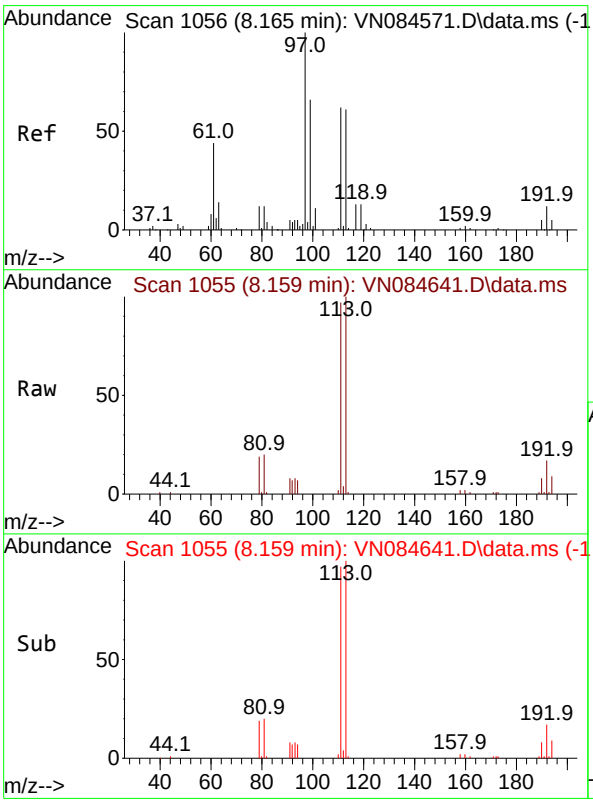
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:114 Resp: 295064

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.8
88	15.7	0.0	31.6

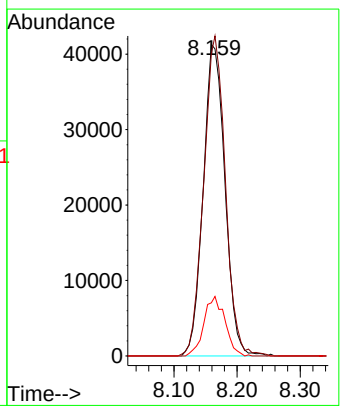


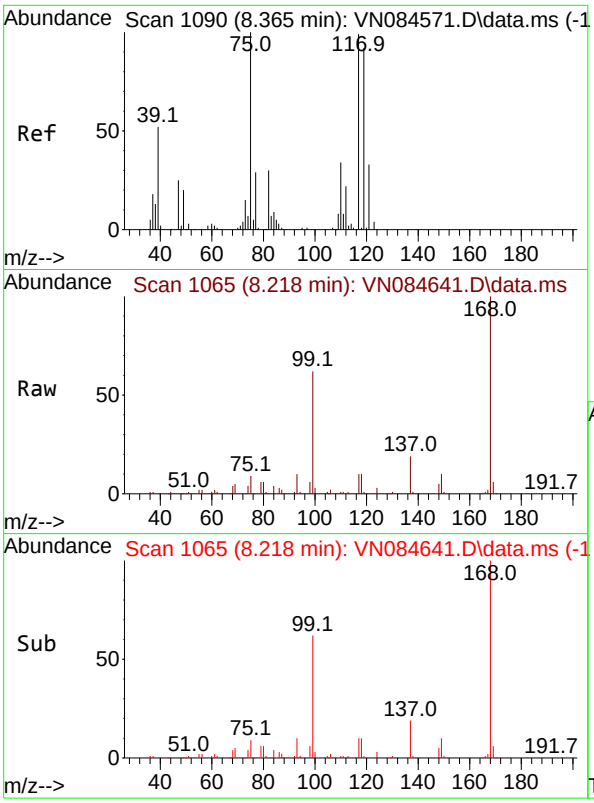


#35
Dibromofluoromethane
Concen: 49.458 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:113 Resp: 98779

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	18.6	13.5	20.3



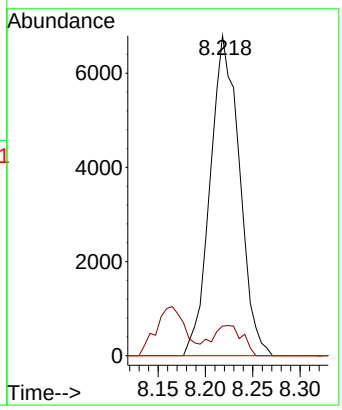


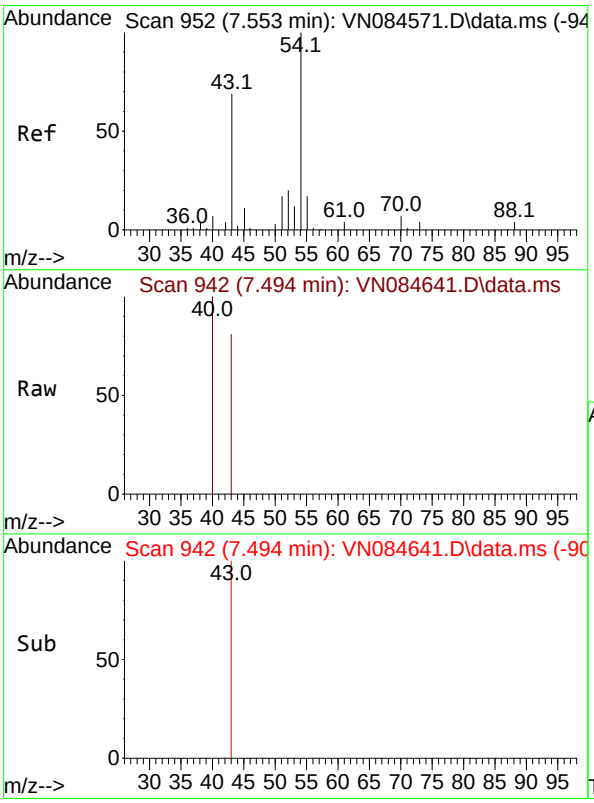
#36
1,1-Dichloropropene
Concen: 5.279 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.153 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 75 Resp: 14622

Ion	Ratio	Lower	Upper
75	100		
110	9.7	16.9	50.7#
77	0.0	24.7	37.1#

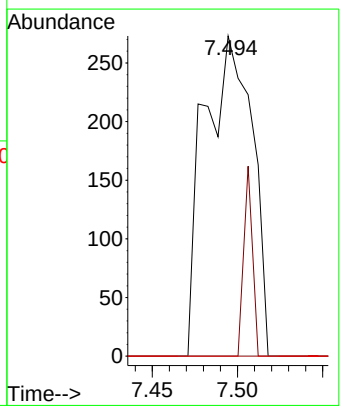


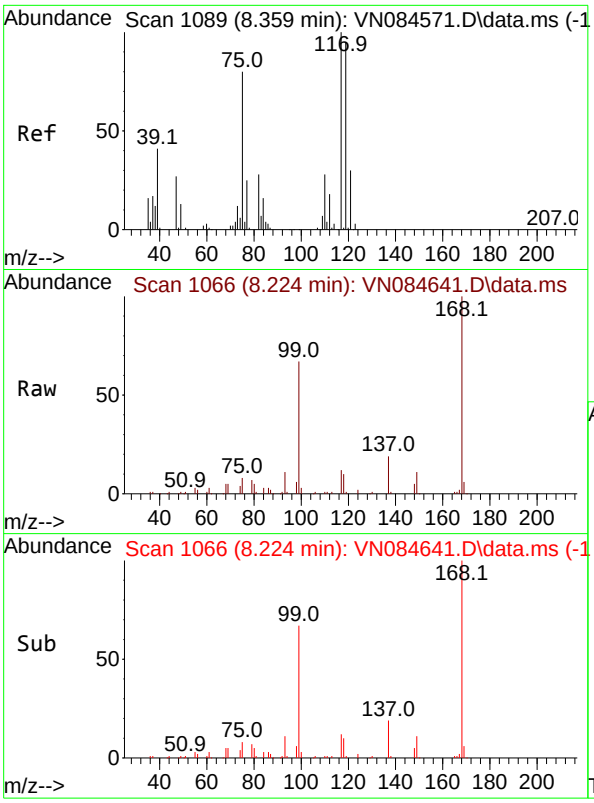


#37
Ethyl Acetate
Concen: 0.212 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.065 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 43 Resp: 533

Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.7	16.1#
70	0.0	8.8	13.2#



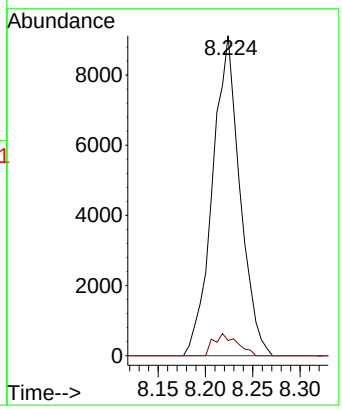


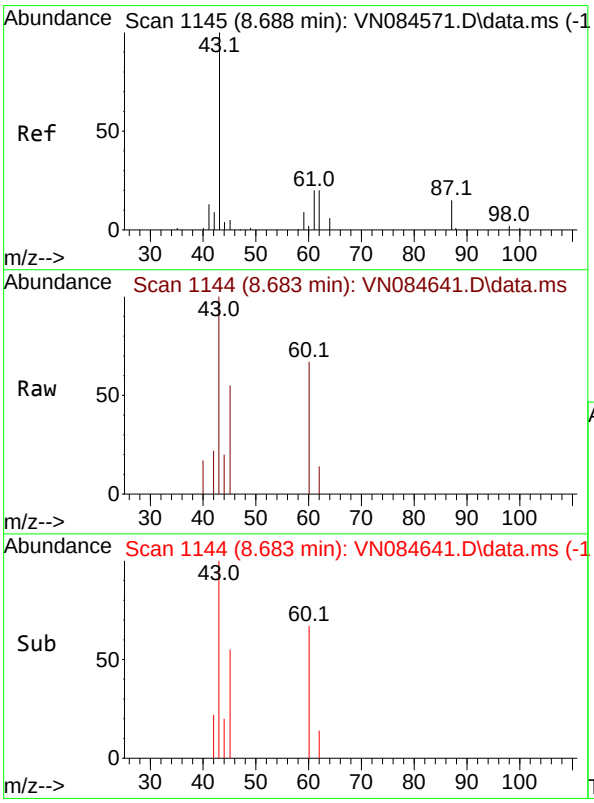
#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.135 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:117 Resp: 18403

Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.7	118.1#
121	0.0	24.4	36.6#

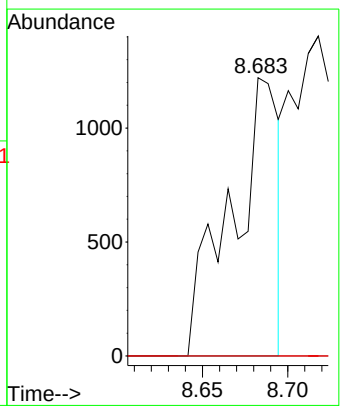


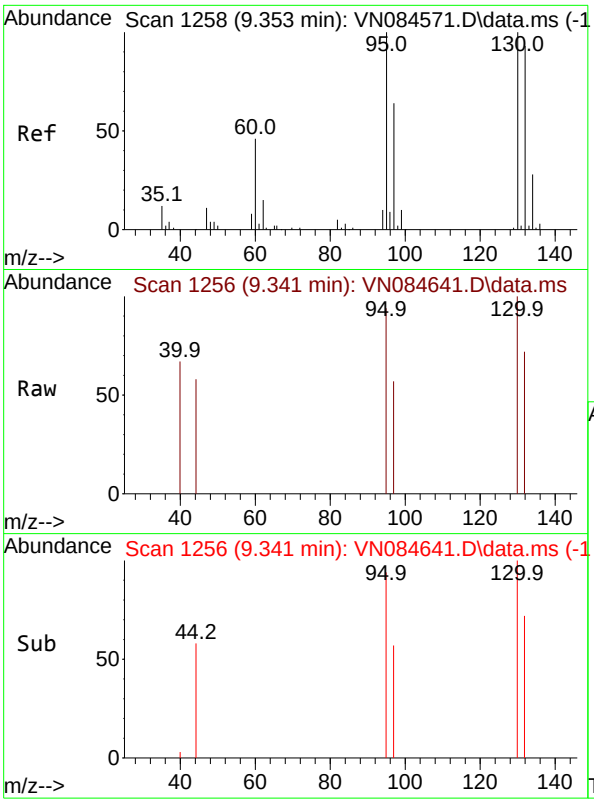


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.005 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 43 Resp: 2362

Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	10.3	15.5#



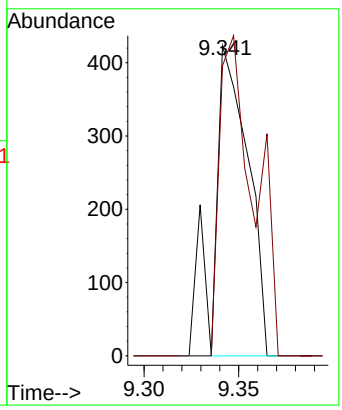


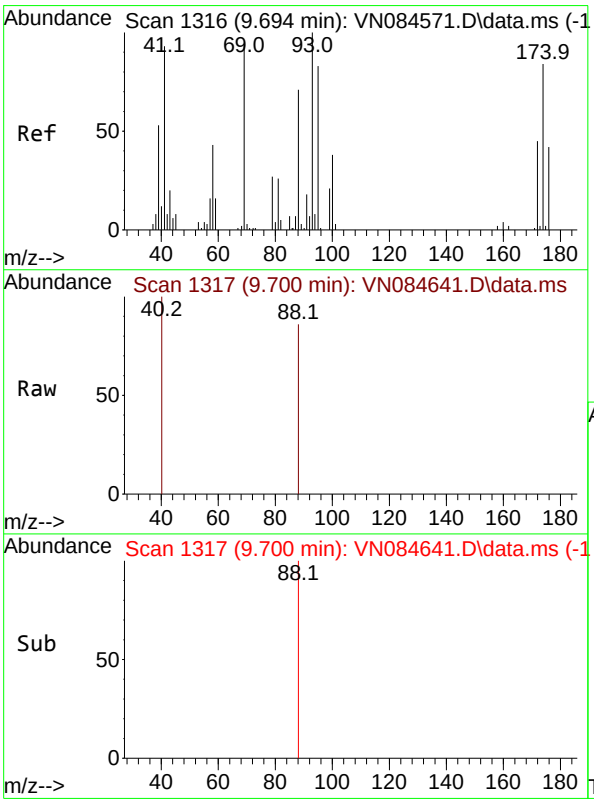
#44
Trichloroethene
Concen: 0.259 ug/l
RT: 9.341 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:130 Resp: 532

Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	203.0

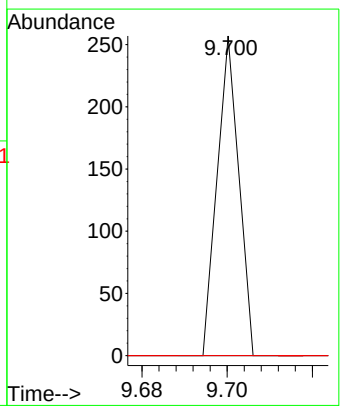


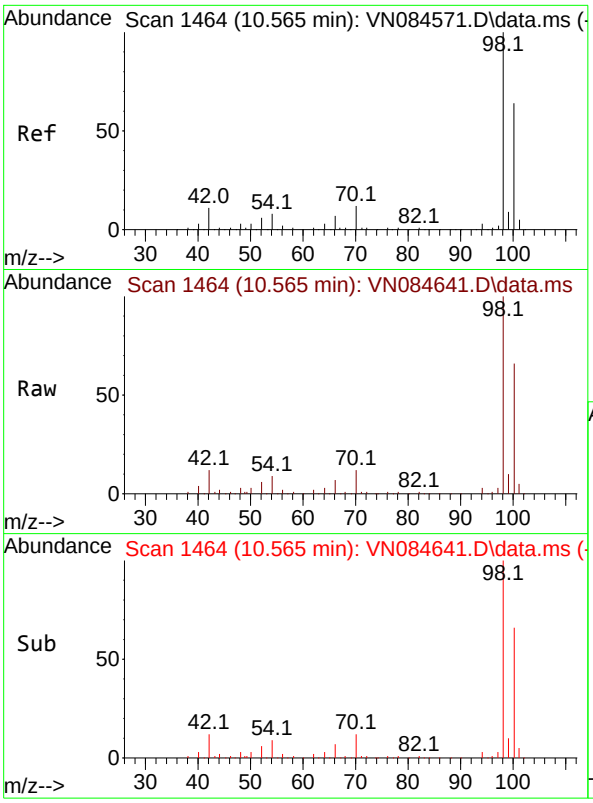


#49
1,4-Dioxane
Concen: 2.626 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 88 Resp: 91

Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.3	37.9#
58	0.0	56.4	84.6#



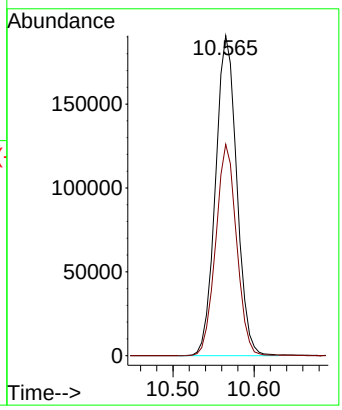


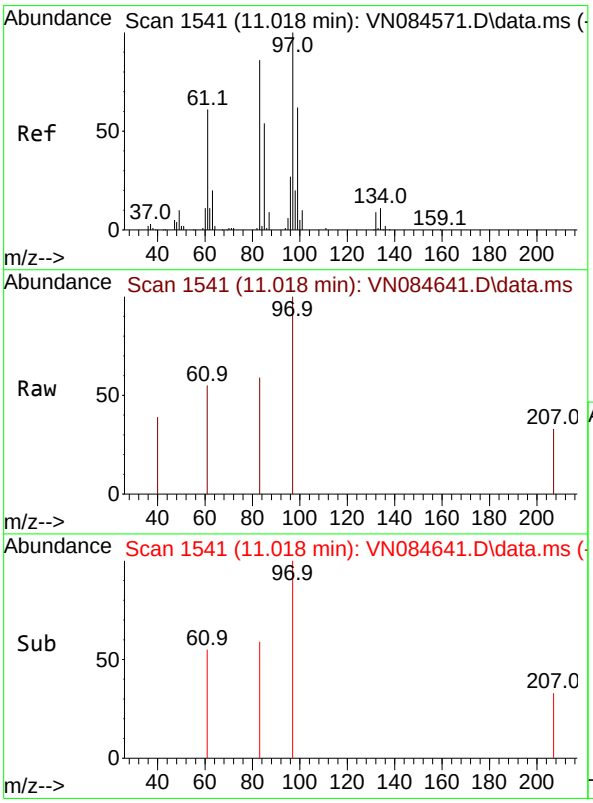
#50
Toluene-d8
Concen: 47.204 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 98 Resp: 347290

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

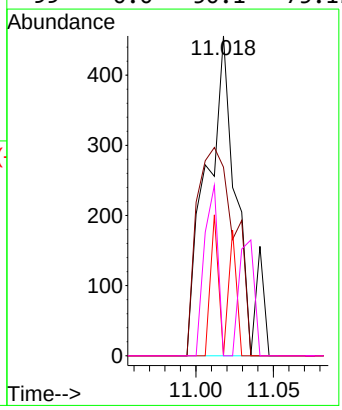


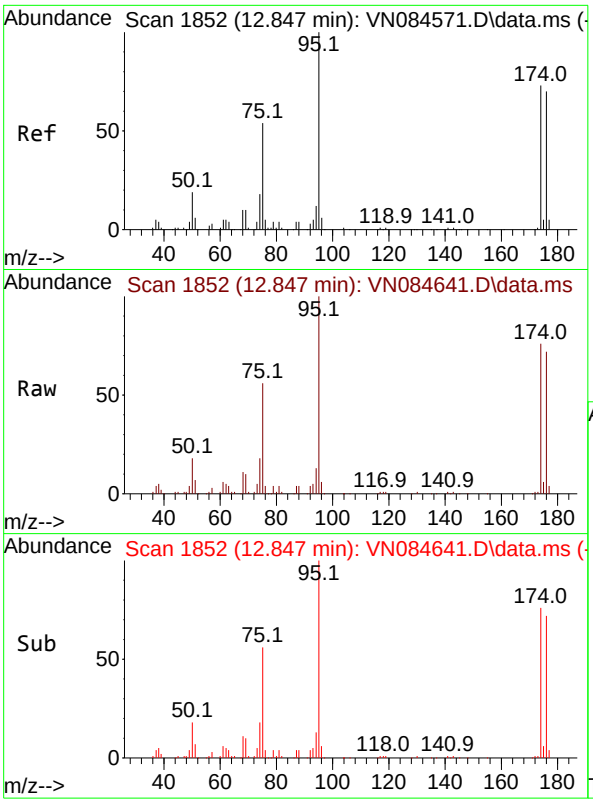


#55
1,1,2-Trichloroethane
Concen: 0.322 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 97 Resp: 631

Ion	Ratio	Lower	Upper
97	100		
83	59.0	71.0	106.4#
85	0.0	41.7	62.5#
99	0.0	50.1	75.1#



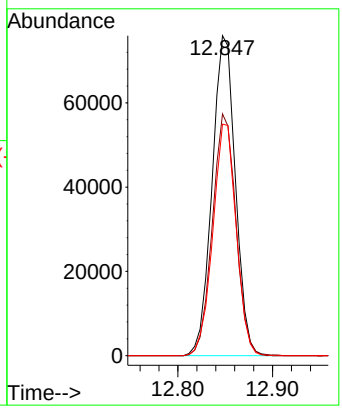


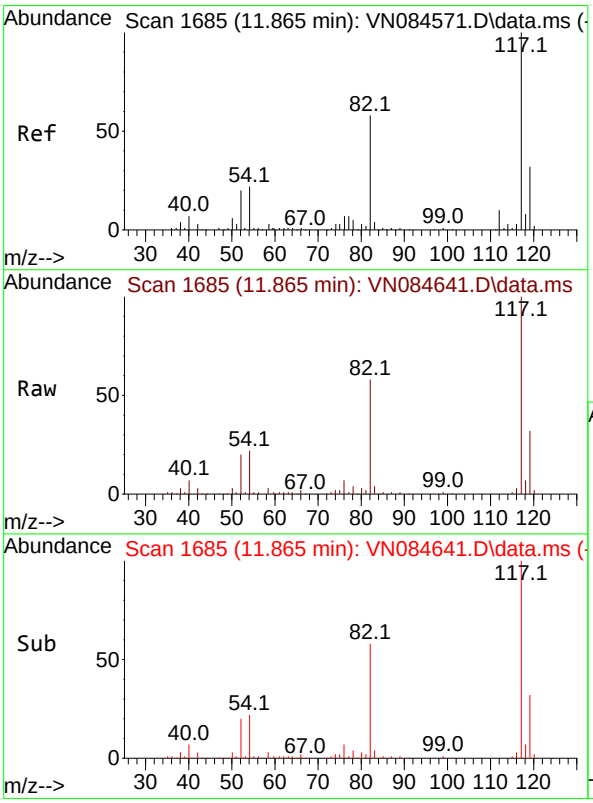
#62
4-Bromofluorobenzene
Concen: 47.236 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 95 Resp: 129879

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	72.7	0.0	140.0

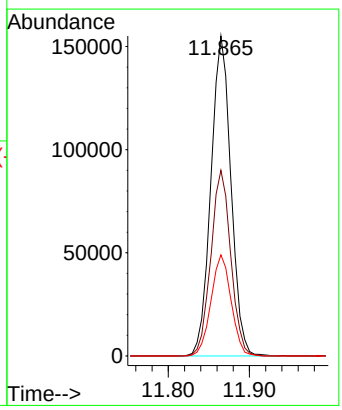


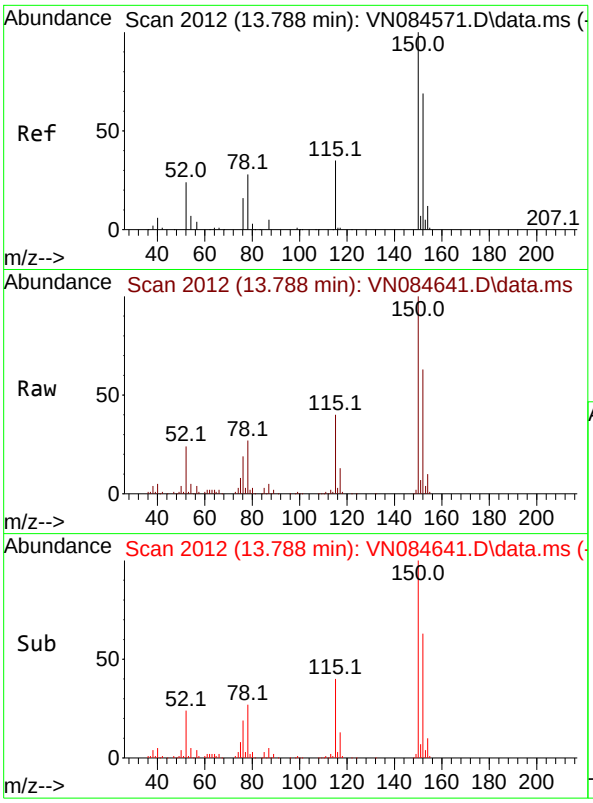


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:117 Resp: 266018

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.2	70.8
119	31.6	25.4	38.0



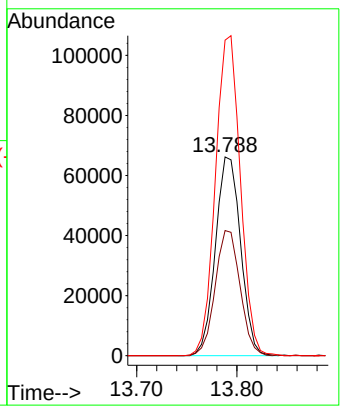


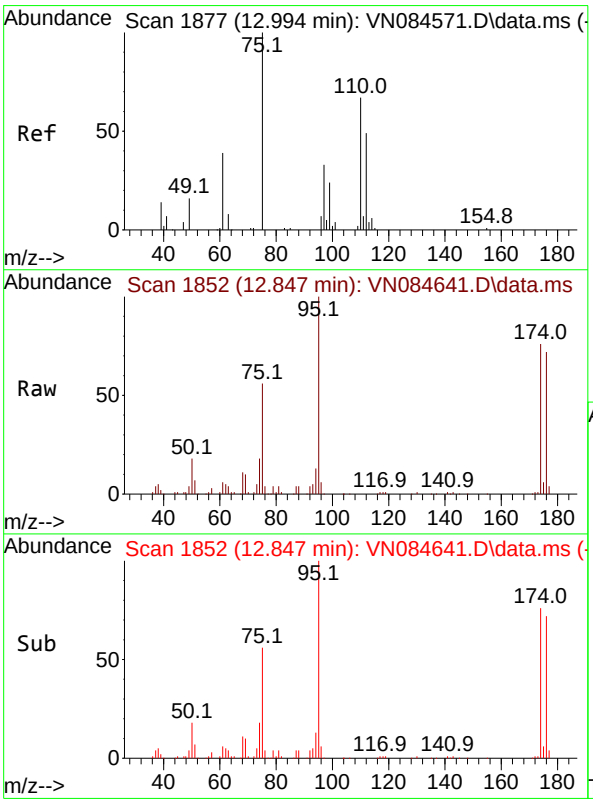
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion:152 Resp: 115441

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.3	93.9
150	159.6	0.0	349.8

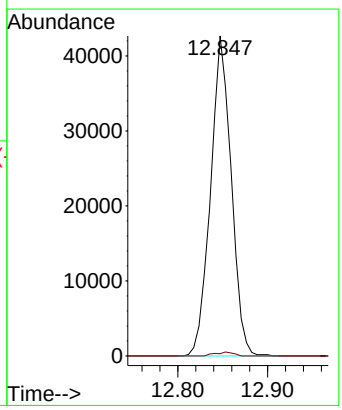


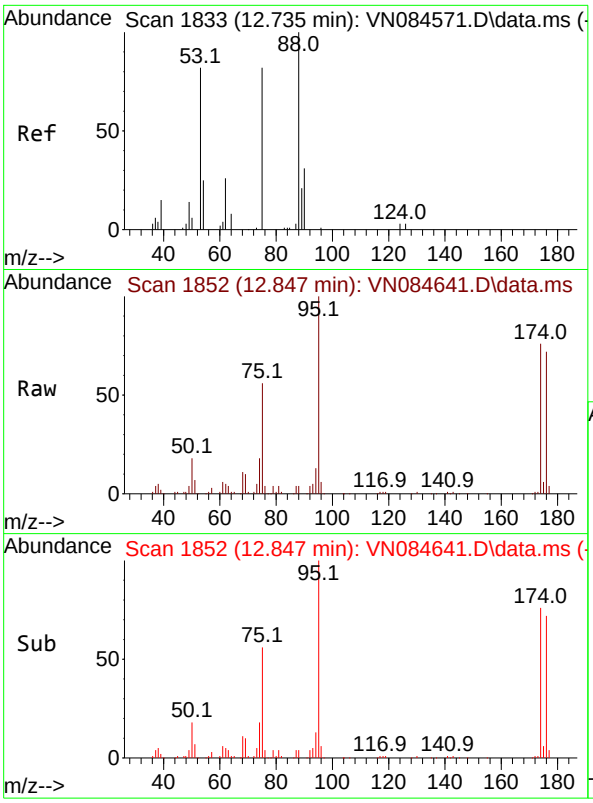


#76
1,2,3-Trichloropropane
Concen: 29.609 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion: 75 Resp: 68327

Ion	Ratio	Lower	Upper
75	100		
77	1.1	96.9	290.7#



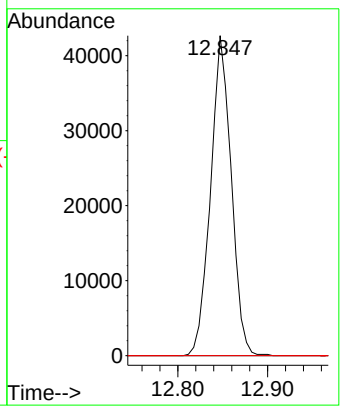


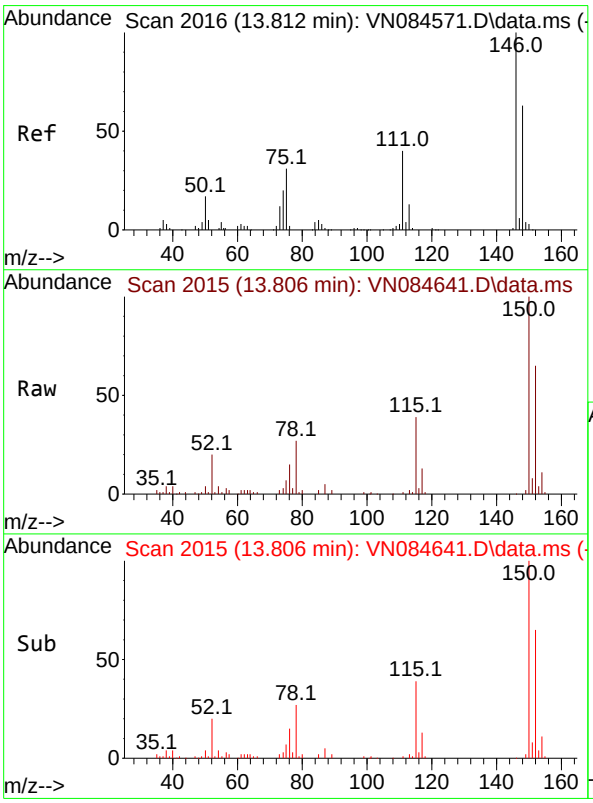
#81
trans-1,4-Dichloro-2-butene
Concen: 70.245 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.112 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-190-GW-598-600

Tgt Ion: 75 Resp: 68327

Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.0	117.0#
89	0.0	35.5	53.3#

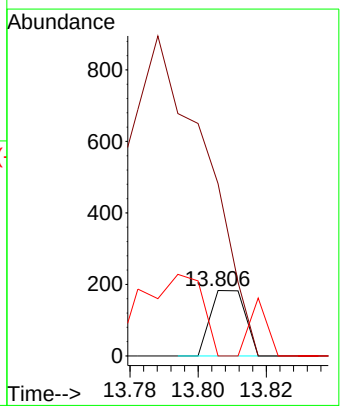




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN084641.D
Acq: 01 Nov 2024 16:19

Tgt Ion:146 Resp: 129

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	44.2	31.9	95.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 04 04:30:30 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	186183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118895	44.214	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.420%			
35) Dibromofluoromethane	8.165	113	96716	45.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.260%			
50) Toluene-d8	10.565	98	357498	45.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.580%			
62) 4-Bromofluorobenzene	12.847	95	140014	47.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	95657	44.693	ug/l	93
3) Chloromethane	2.359	50	104495	41.162	ug/l	99
4) Vinyl Chloride	2.512	62	101746	44.198	ug/l	100
5) Bromomethane	2.900	94	52808	43.296	ug/l	98
6) Chloroethane	3.065	64	68310	47.878	ug/l	97
7) Trichlorofluoromethane	3.465	101	170051	44.844	ug/l	98
8) Diethyl Ether	3.953	74	61010	45.608	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	98564	45.999	ug/l	99
10) Methyl Iodide	4.571	142	131479	45.911	ug/l	98
11) Tert butyl alcohol	5.542	59	81227	228.837	ug/l	99
12) 1,1-Dichloroethene	4.318	96	93026	43.875	ug/l	98
13) Acrolein	4.177	56	98304	277.733	ug/l	98
14) Allyl chloride	5.006	41	162243	47.184	ug/l	92
15) Acrylonitrile	5.718	53	258166	251.237	ug/l	98
16) Acetone	4.424	43	229540	296.026	ug/l	98
17) Carbon Disulfide	4.700	76	266246	40.777	ug/l	98
18) Methyl Acetate	5.024	43	129461	45.245	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	322267	49.590	ug/l	97
20) Methylene Chloride	5.265	84	107863	45.606	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	99460	45.684	ug/l	99
22) Diisopropyl ether	6.665	45	334111	48.902	ug/l	99
23) Vinyl Acetate	6.600	43	1203577	255.447	ug/l	97
24) 1,1-Dichloroethane	6.565	63	193202	47.100	ug/l	98
25) 2-Butanone	7.483	43	338602	269.898	ug/l	98
26) 2,2-Dichloropropane	7.483	77	167290	46.857	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	118651	46.674	ug/l	98
28) Bromochloromethane	7.812	49	98947	60.545	ug/l	93
29) Tetrahydrofuran	7.841	42	217423	261.234	ug/l	98
30) Chloroform	7.959	83	199633	47.816	ug/l	99
31) Cyclohexane	8.253	56	162246	43.702	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	177337	46.667	ug/l	97
36) 1,1-Dichloropropene	8.365	75	137852	46.898	ug/l	98
37) Ethyl Acetate	7.559	43	133895	50.206	ug/l	99
38) Carbon Tetrachloride	8.359	117	154823	47.123	ug/l	95
39) Methylcyclohexane	9.600	83	146850	49.108	ug/l	98
40) Benzene	8.606	78	440337	46.647	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 04 04:30:30 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)
41) Methacrylonitrile	7.777	41	76770	53.530	ug/l		99
42) 1,2-Dichloroethane	8.671	62	145115	47.467	ug/l		98
43) Isopropyl Acetate	8.688	43	236927	48.051	ug/l		98
44) Trichloroethene	9.353	130	97778	44.913	ug/l		96
45) 1,2-Dichloropropane	9.618	63	105940	47.842	ug/l		96
46) Dibromomethane	9.706	93	74499	47.678	ug/l		97
47) Bromodichloromethane	9.888	83	157714	47.883	ug/l		96
48) Methyl methacrylate	9.677	41	108363	52.208	ug/l		98
49) 1,4-Dioxane	9.700	88	41066	1116.514	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	692985	272.575	ug/l		99
52) Toluene	10.629	92	271534	49.183	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	157718	46.260	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	169499	46.972	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	102600	49.336	ug/l		96
56) Ethyl methacrylate	10.876	69	166069	55.207	ug/l		97
57) 1,3-Dichloropropane	11.165	76	173329	48.563	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	429197	304.914	ug/l		97
59) 2-Hexanone	11.194	43	519065	280.493	ug/l		98
60) Dibromochloromethane	11.359	129	119904	50.589	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102199	47.989	ug/l		99
64) Tetrachloroethene	11.100	164	86839	45.036	ug/l		98
65) Chlorobenzene	11.888	112	289307	44.610	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	103534	45.897	ug/l		98
67) Ethyl Benzene	11.965	91	510156	47.126	ug/l		99
68) m/p-Xylenes	12.070	106	394978	96.376	ug/l		99
69) o-Xylene	12.400	106	188437	49.151	ug/l		99
70) Styrene	12.412	104	330384	49.400	ug/l		98
71) Bromoform	12.576	173	82751	48.752	ug/l	#	98
73) Isopropylbenzene	12.694	105	476917	45.098	ug/l		99
74) N-amyl acetate	12.494	43	211463	46.982	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	153793	43.570	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	198796	65.902	ug/l		58
77) Bromobenzene	12.976	156	118165	41.565	ug/l		96
78) n-propylbenzene	13.035	91	561871	45.341	ug/l		99
79) 2-Chlorotoluene	13.123	91	353652	43.676	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	415331	47.386	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	55111	43.343	ug/l		99
82) 4-Chlorotoluene	13.223	91	358576	42.079	ug/l		99
83) tert-Butylbenzene	13.441	119	350343	48.297	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	423745	46.843	ug/l		99
85) sec-Butylbenzene	13.617	105	475480	46.404	ug/l		100
86) p-Isopropyltoluene	13.729	119	403030	47.960	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	222216	40.052	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	222214	43.485	ug/l		99
89) n-Butylbenzene	14.053	91	335644	42.698	ug/l		100
90) Hexachloroethane	14.329	117	76738	40.948	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	220867	41.428	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30232	42.277	ug/l		100
93) 1,2,4-Trichlorobenzene	15.394	180	107448	36.821	ug/l		99
94) Hexachlorobutadiene	15.500	225	49579	38.689	ug/l		97
95) Naphthalene	15.641	128	354038	40.533	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	106474	37.587	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 04 04:30:30 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

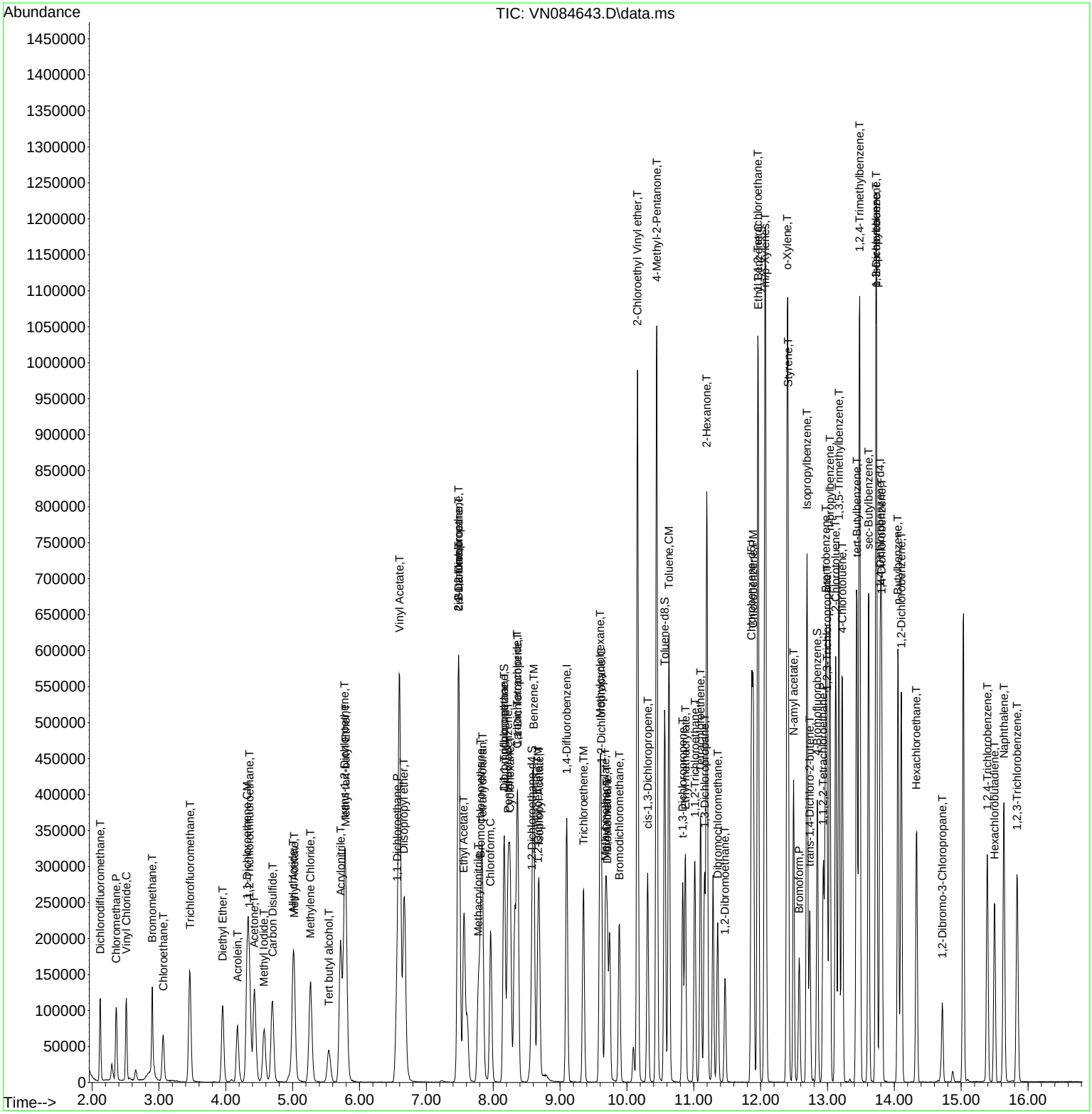
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

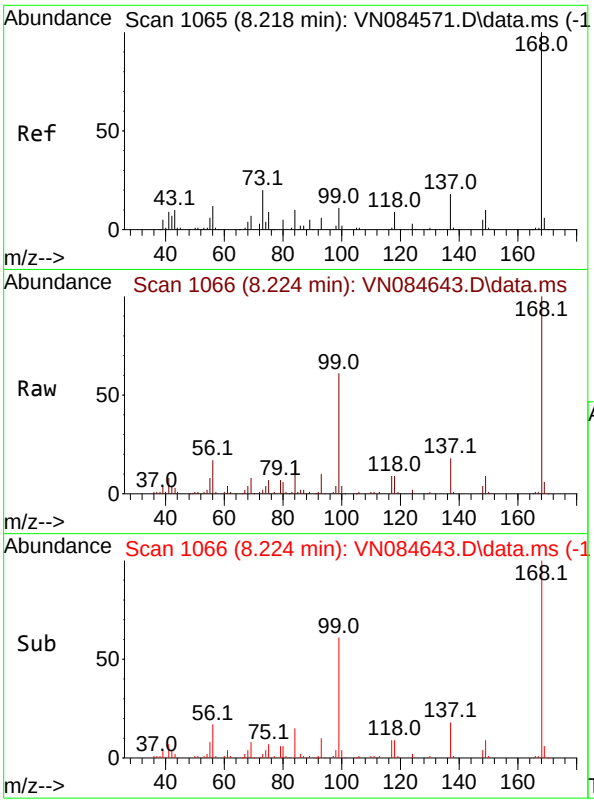
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110124\
Data File : VN084643.D
Acq On : 01 Nov 2024 17:07
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 04 04:30:30 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



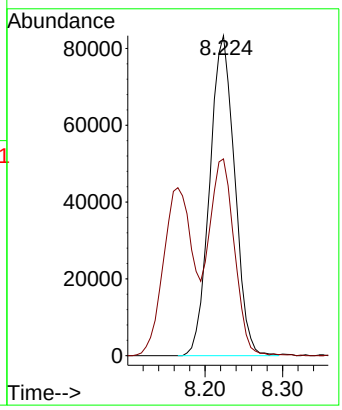


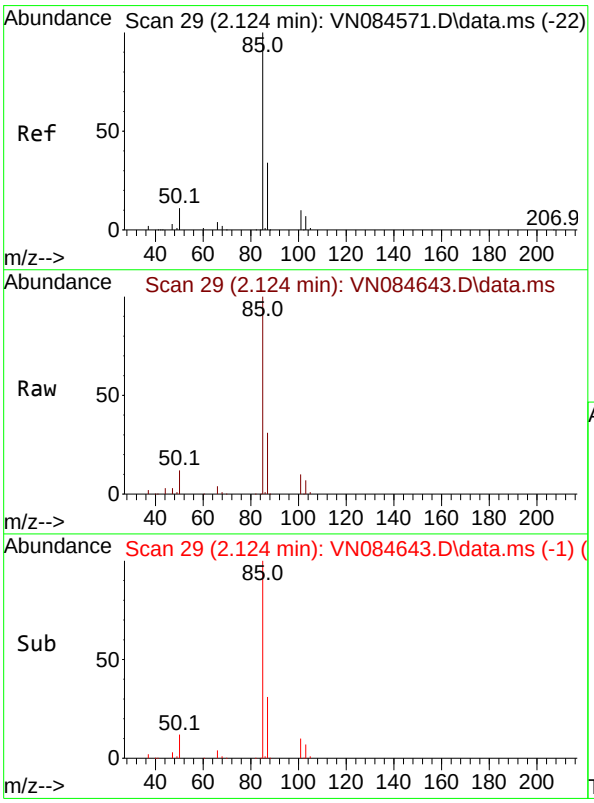
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 186183

Ion	Ratio	Lower	Upper
168	100		
99	61.1	54.2	81.2

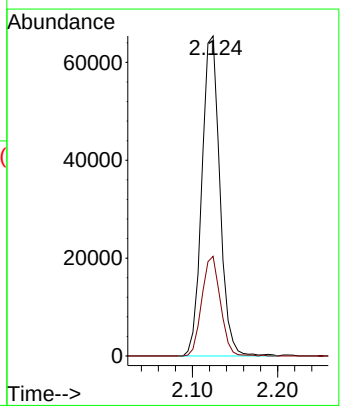


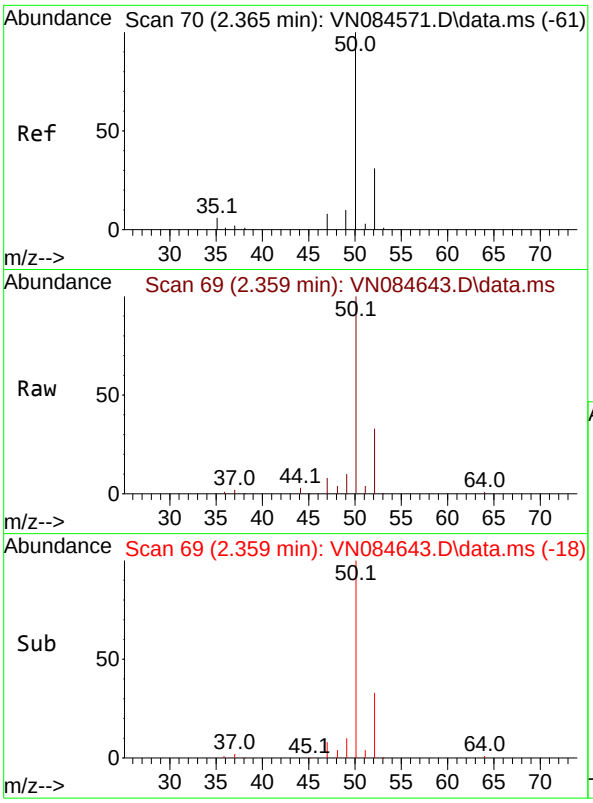


#2
Dichlorodifluoromethane
Concen: 44.693 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 85 Resp: 95657

Ion	Ratio	Lower	Upper
85	100		
87	31.2	17.6	52.9



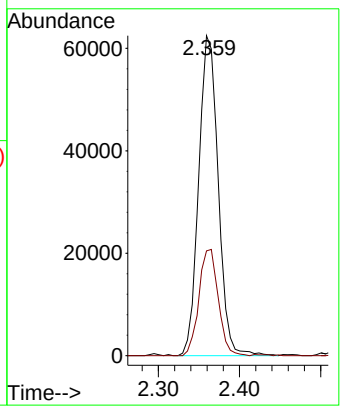


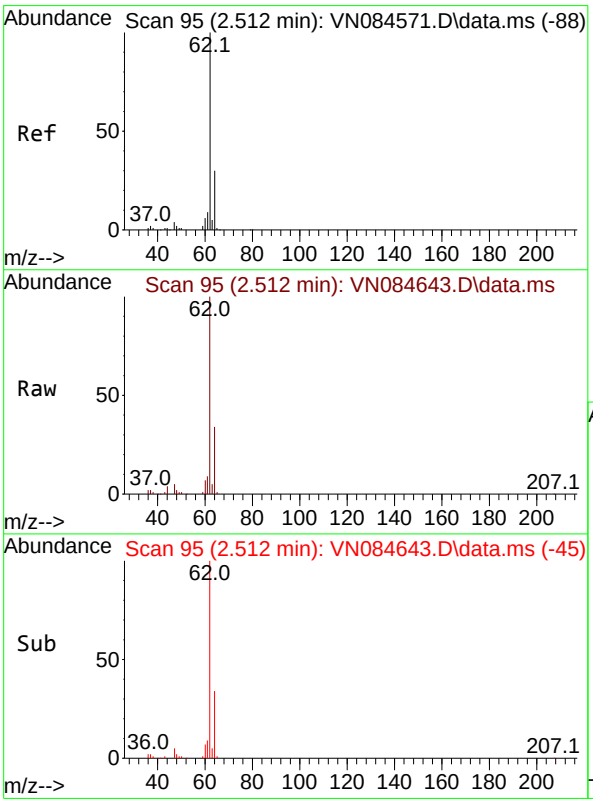
#3
Chloromethane
Concen: 41.162 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 104495

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.8	40.2

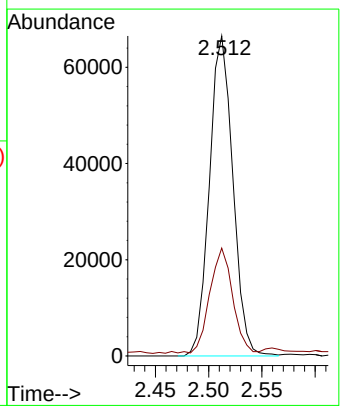


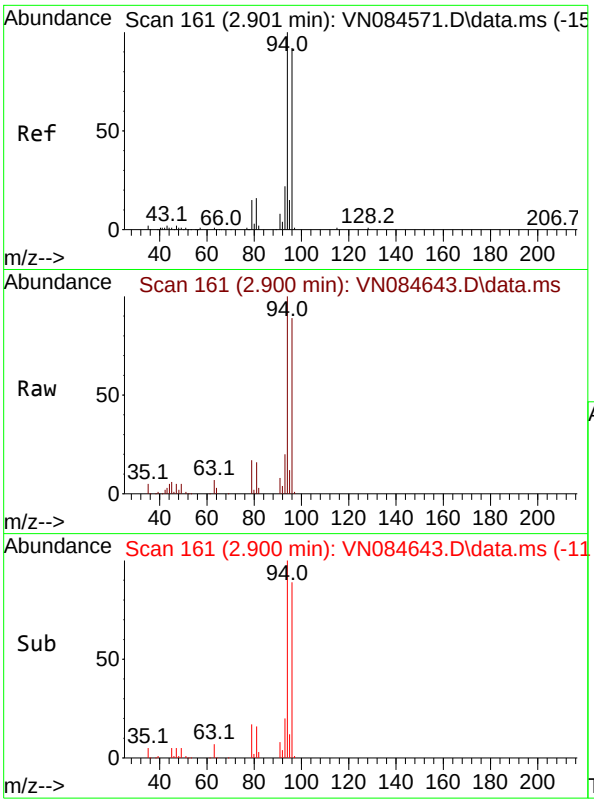


#4
Vinyl Chloride
Concen: 44.198 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 62 Resp: 101746

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.2	39.4



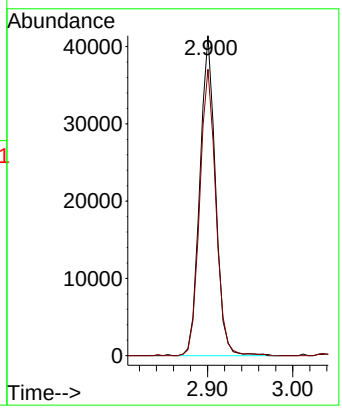


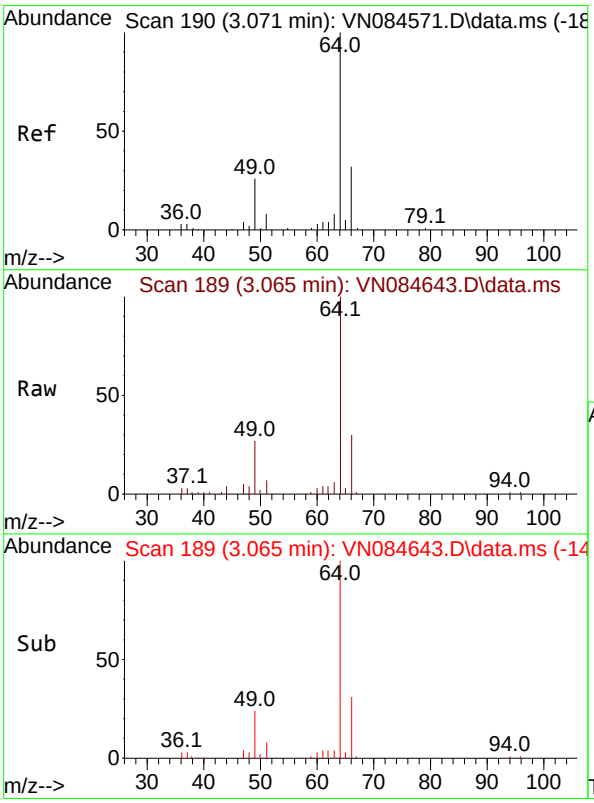
#5
Bromomethane
Concen: 43.296 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.053 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 52808

Ion	Ratio	Lower	Upper
94	100		
96	89.5	72.9	109.3

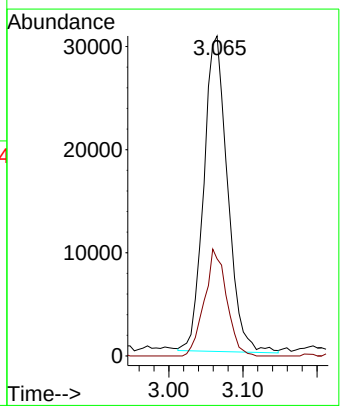


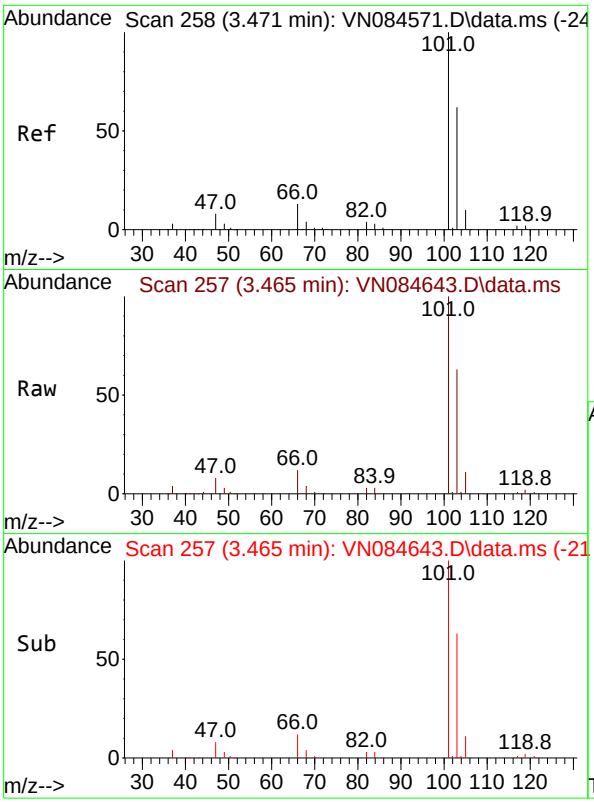


#6
Chloroethane
Concen: 47.878 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 64 Resp: 68310

Ion	Ratio	Lower	Upper
64	100		
66	30.9	23.5	35.3



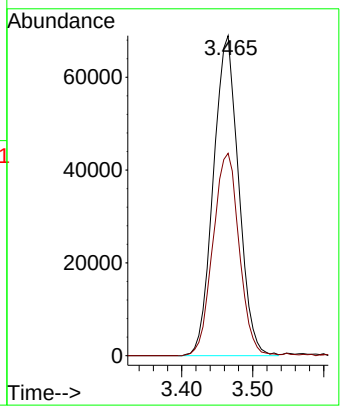


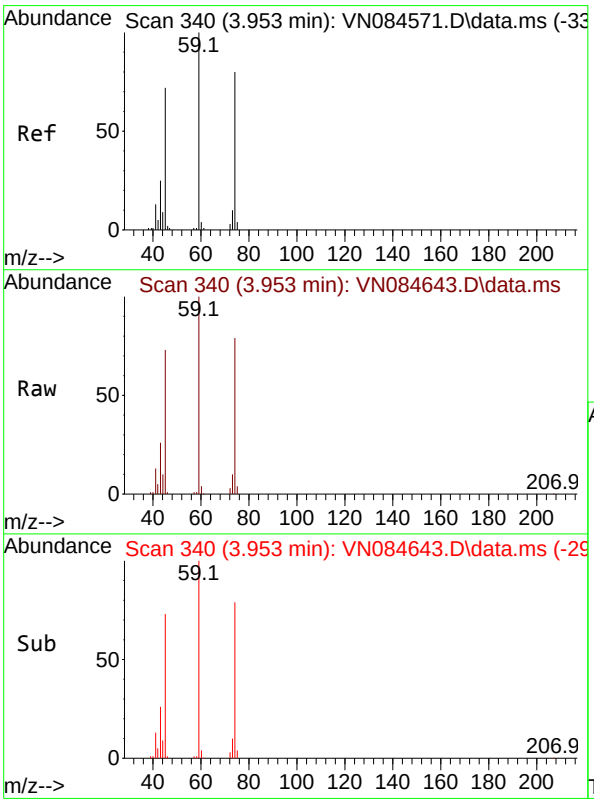
#7
Trichlorofluoromethane
Concen: 44.844 ug/l
RT: 3.465 min Scan# 2
Delta R.T. -0.030 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 170051

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.8	77.6

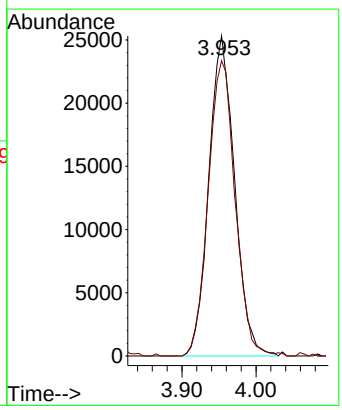


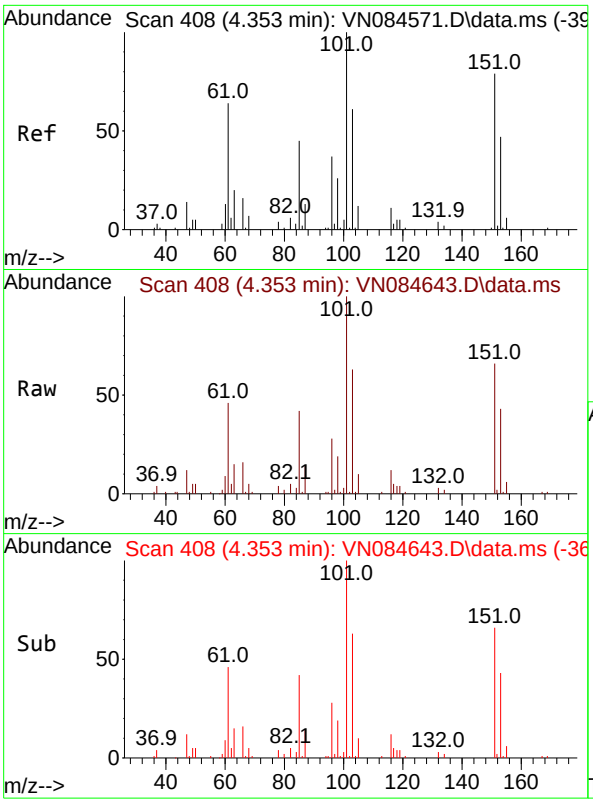


#8
Diethyl Ether
Concen: 45.608 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 74 Resp: 61010

Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.7	143.1



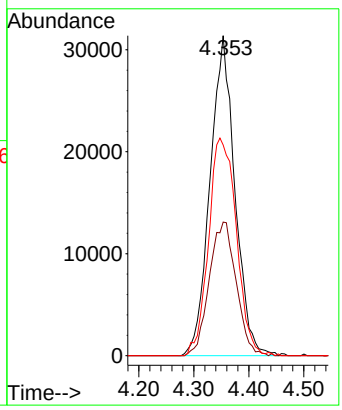


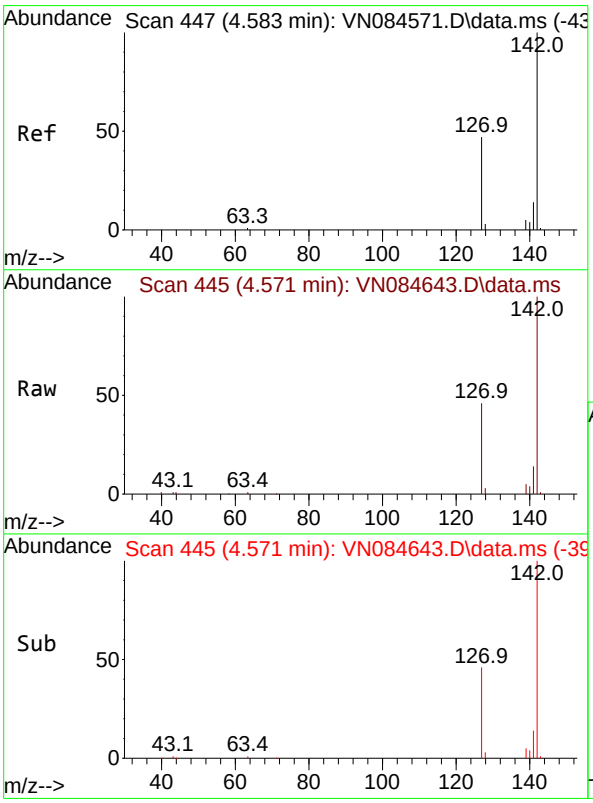
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.999 ug/l
RT: 4.353 min Scan# 4(
Delta R.T. -0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 98564

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	76.0	59.3	88.9

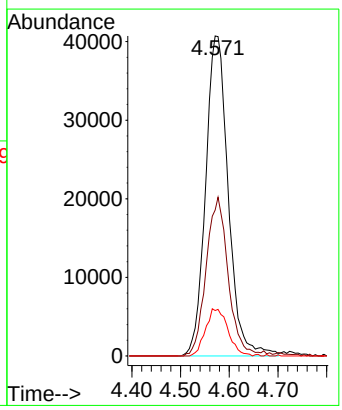


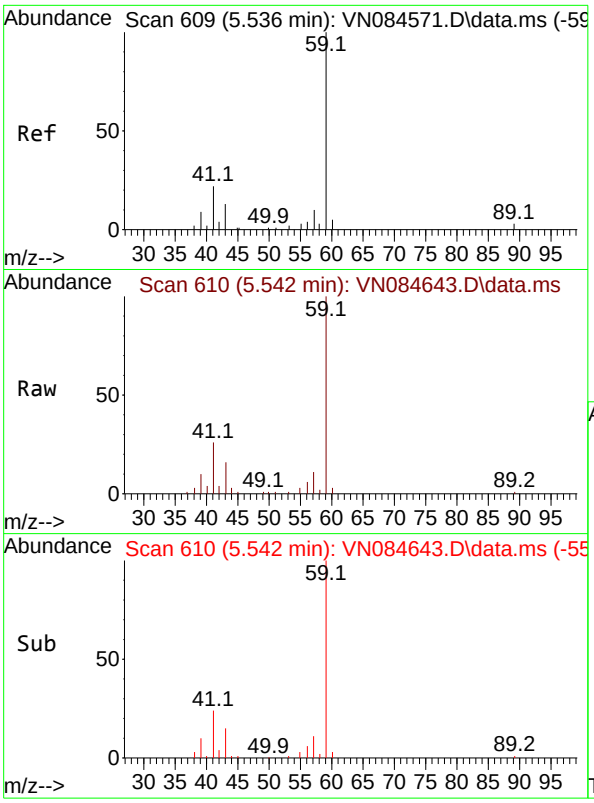


#10
Methyl Iodide
Concen: 45.911 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.024 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:142 Resp: 131479

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.3	52.9
141	14.2	11.0	16.6



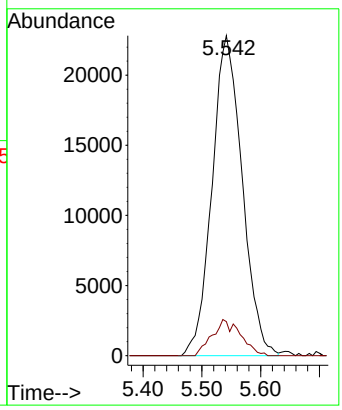


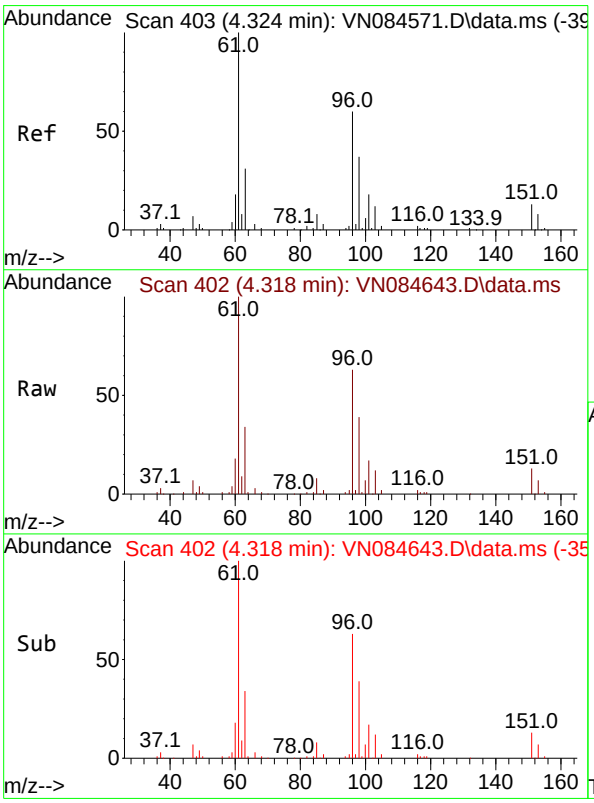
#11
Tert butyl alcohol
Concen: 228.837 ug/l
RT: 5.542 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 81227

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

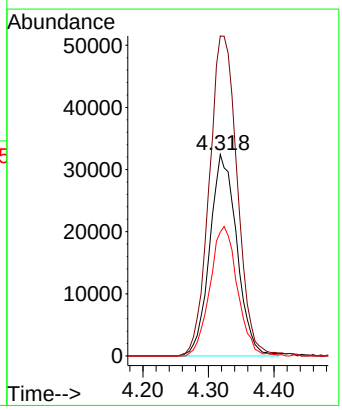


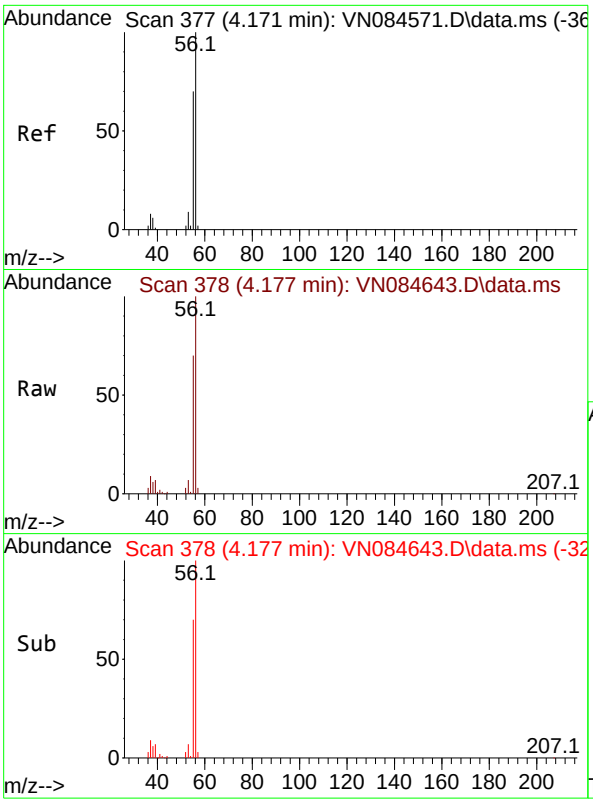


#12
1,1-Dichloroethene
Concen: 43.875 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.024 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 96 Resp: 93026

Ion	Ratio	Lower	Upper
96	100		
61	158.9	128.6	192.8
98	61.5	51.7	77.5



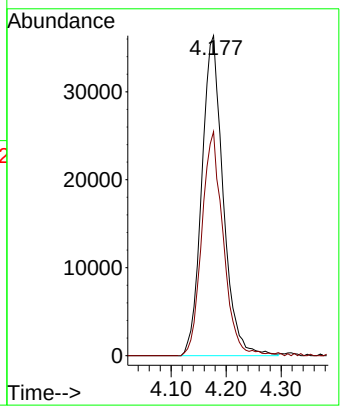


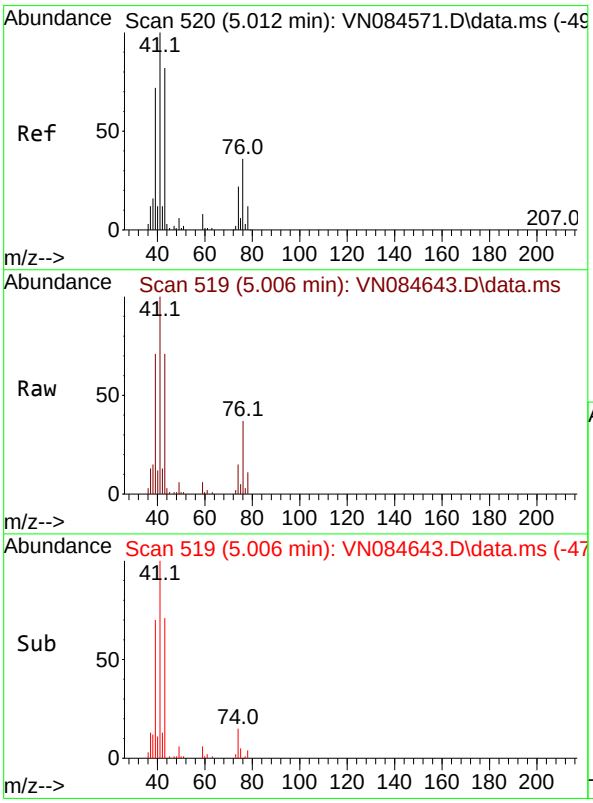
#13
Acrolein
Concen: 277.733 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 98304

Ion	Ratio	Lower	Upper
56	100		
55	69.6	57.2	85.8

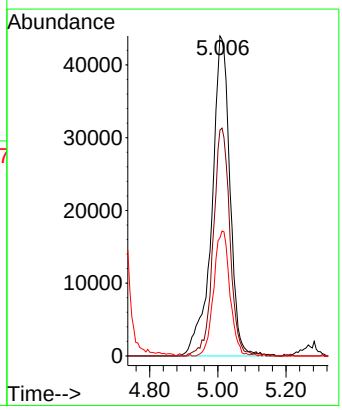


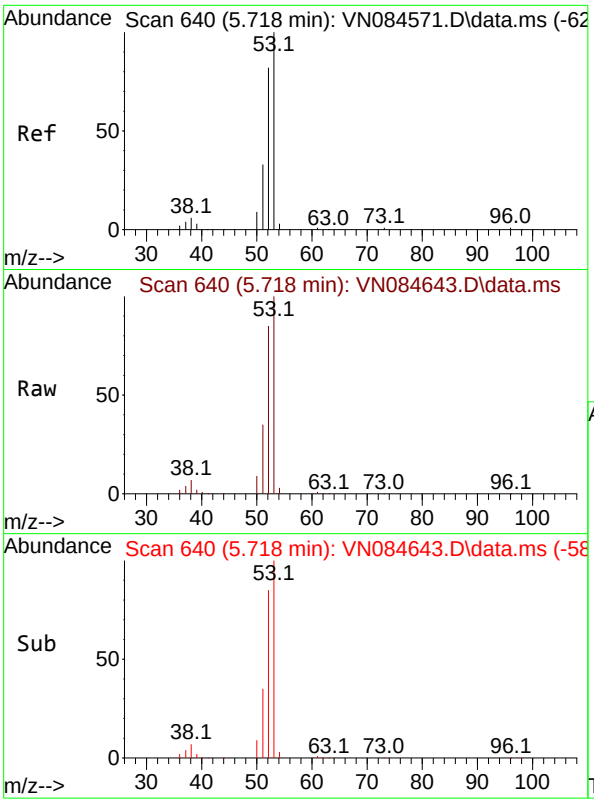


#14
Allyl chloride
Concen: 47.184 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.018 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 41 Resp: 162243

Ion	Ratio	Lower	Upper
41	100		
39	65.3	59.0	88.6
76	34.9	29.8	44.6



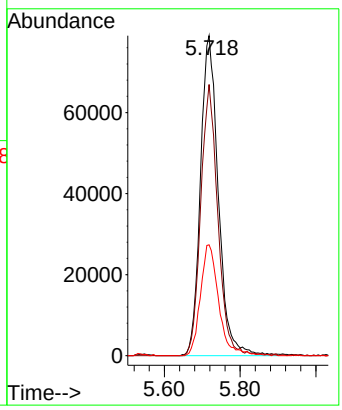


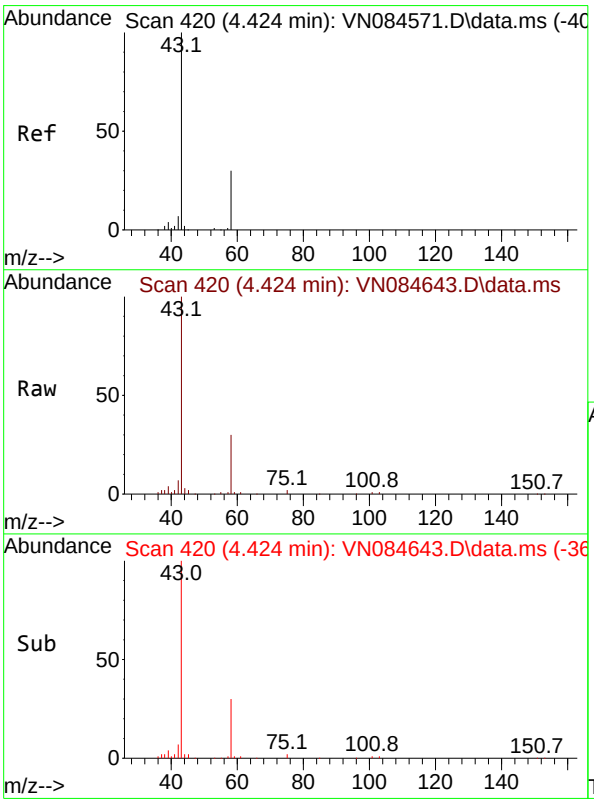
#15
Acrylonitrile
Concen: 251.237 ug/l
RT: 5.718 min Scan# 64
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 258166

Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.2	99.4
51	35.5	28.8	43.2

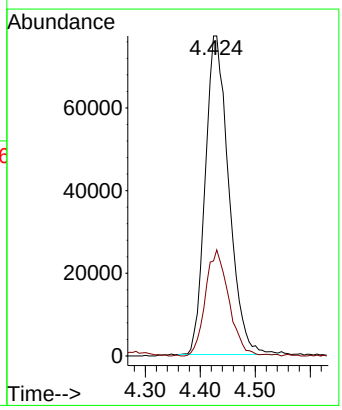


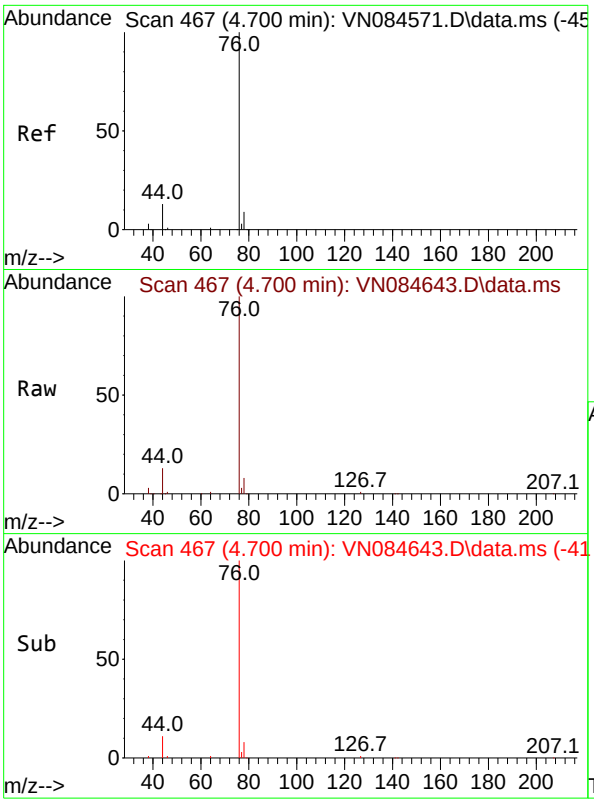


#16
Acetone
Concen: 296.026 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 229540

Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6



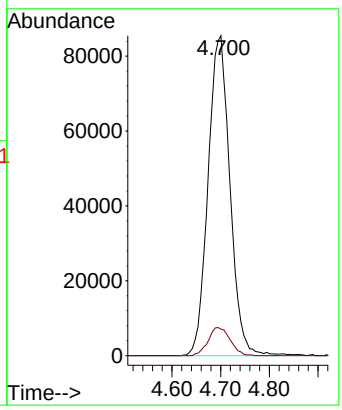


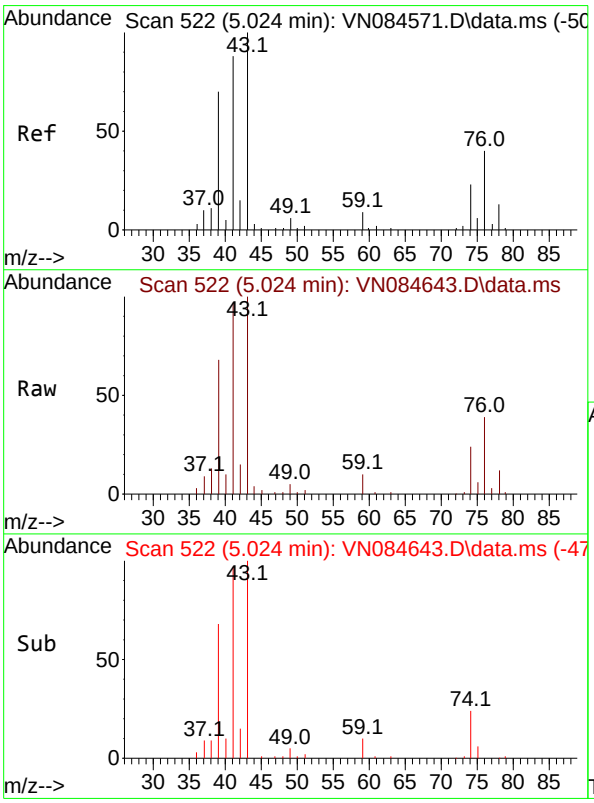
#17
Carbon Disulfide
Concen: 40.777 ug/l
RT: 4.700 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 266246

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

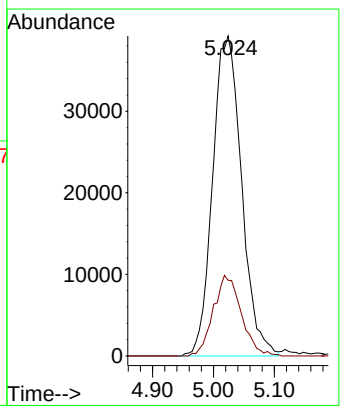


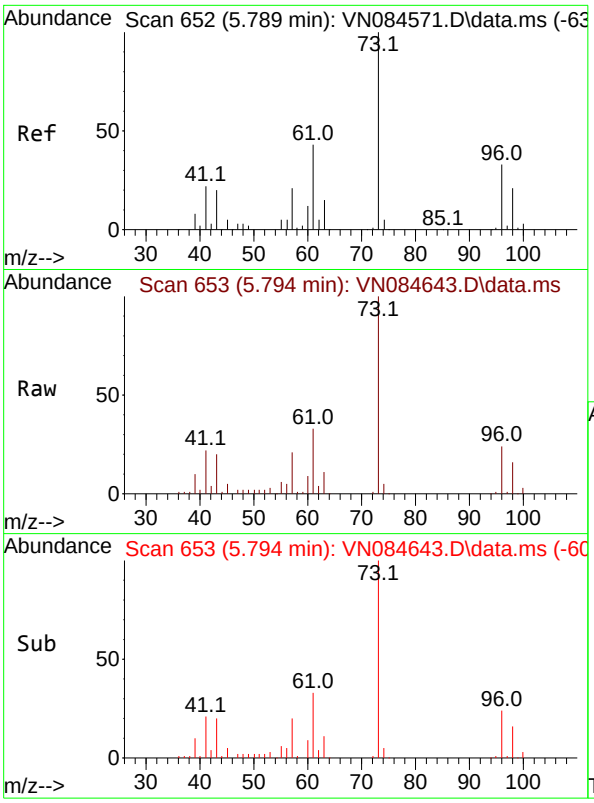


#18
Methyl Acetate
Concen: 45.245 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 129461

Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8



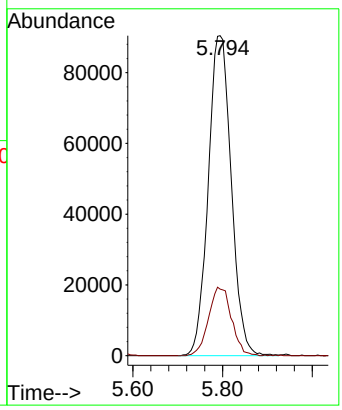


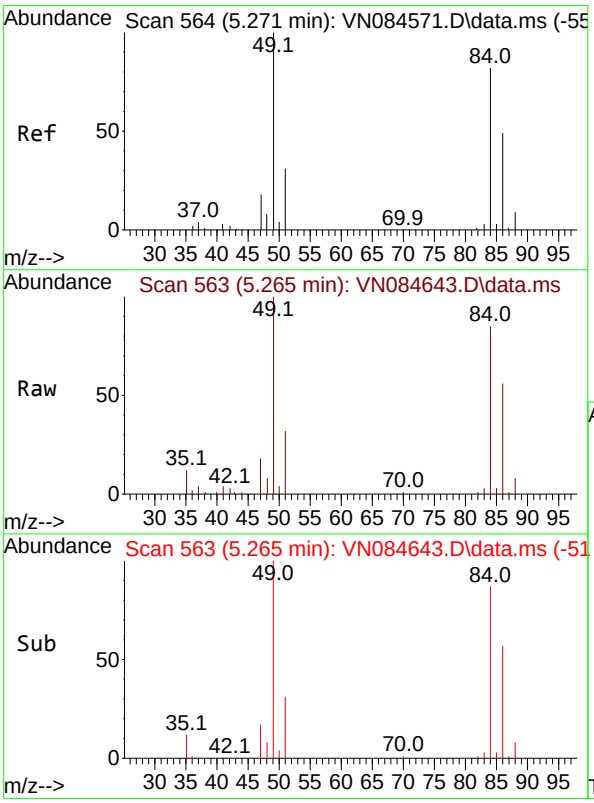
#19
Methyl tert-butyl Ether
Concen: 49.590 ug/l
RT: 5.794 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 322267

Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.7	26.5

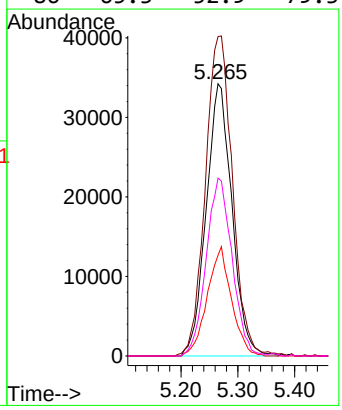


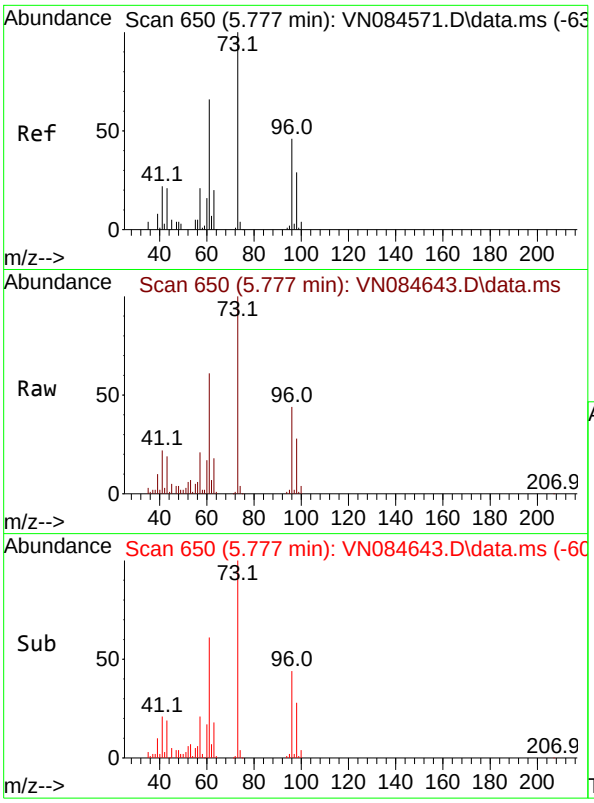


#20
Methylene Chloride
Concen: 45.606 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 84 Resp: 107863

Ion	Ratio	Lower	Upper
84	100		
49	116.7	107.2	160.8
51	37.0	31.8	47.8
86	65.3	52.9	79.3



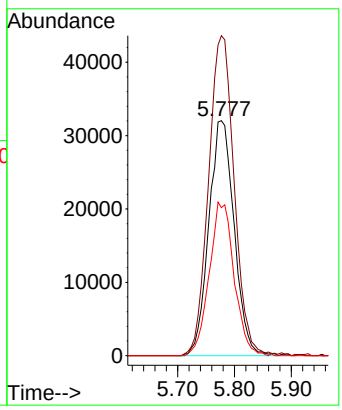


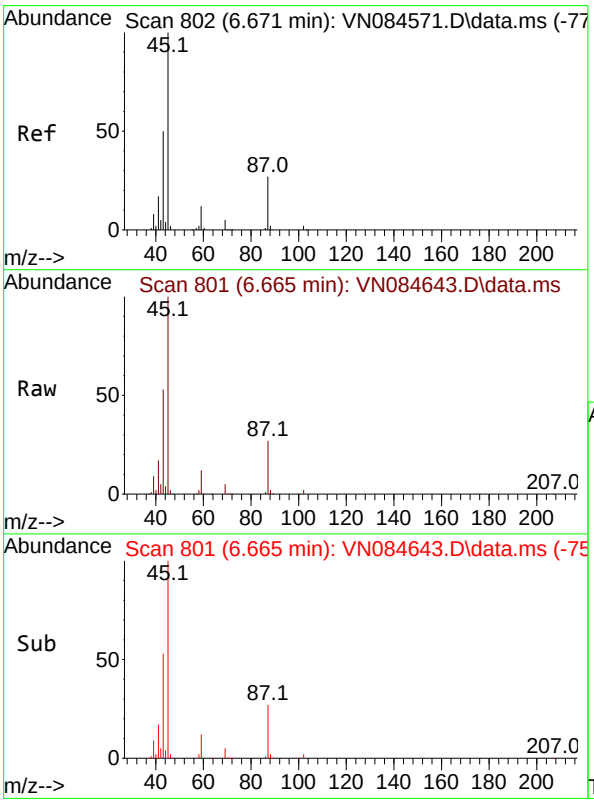
#21
trans-1,2-Dichloroethene
Concen: 45.684 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 99460

Ion	Ratio	Lower	Upper
96	100		
61	136.2	108.4	162.6
98	63.0	49.8	74.8

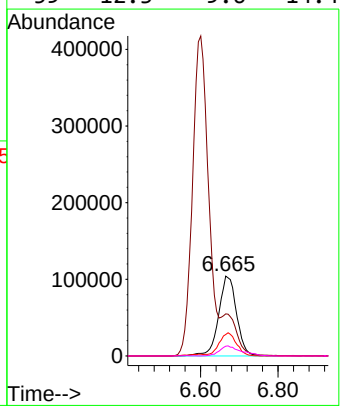


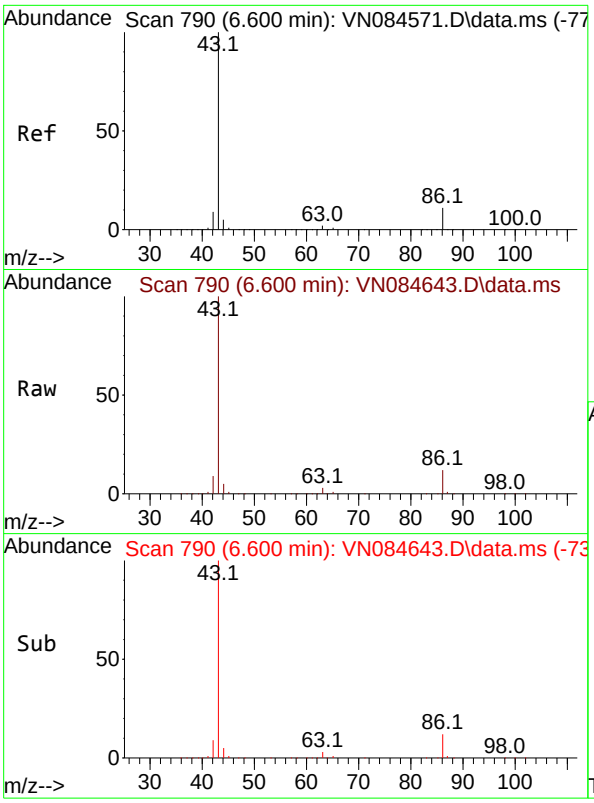


#22
Diisopropyl ether
Concen: 48.902 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 45 Resp: 334111

Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.3	63.5
87	26.9	21.8	32.6
59	12.3	9.6	14.4



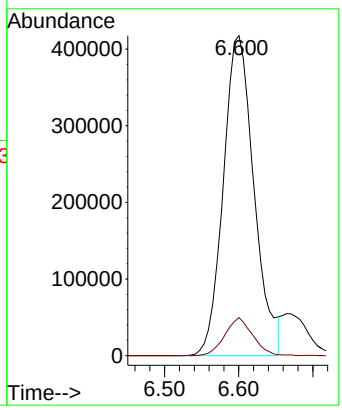


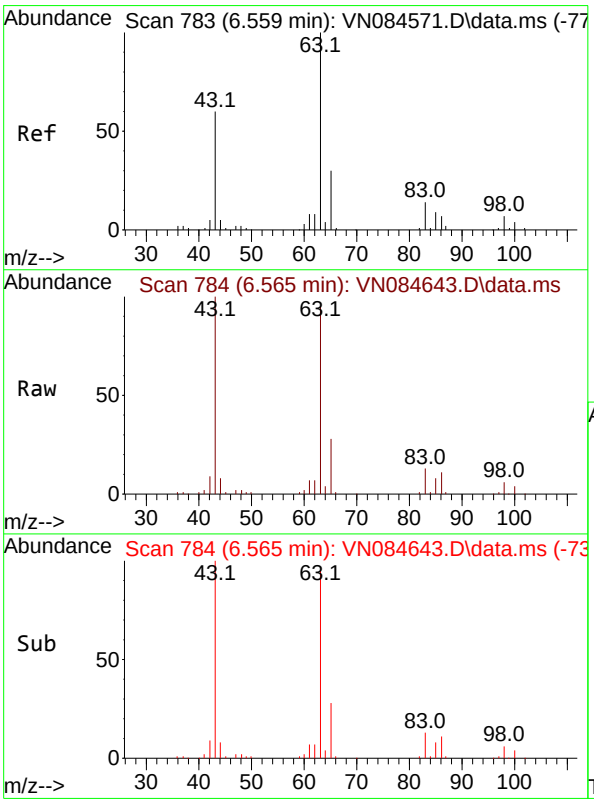
#23
Vinyl Acetate
Concen: 255.447 ug/l
RT: 6.600 min Scan# 7
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1203577

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.6	12.8

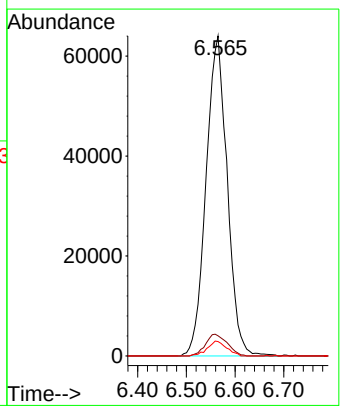


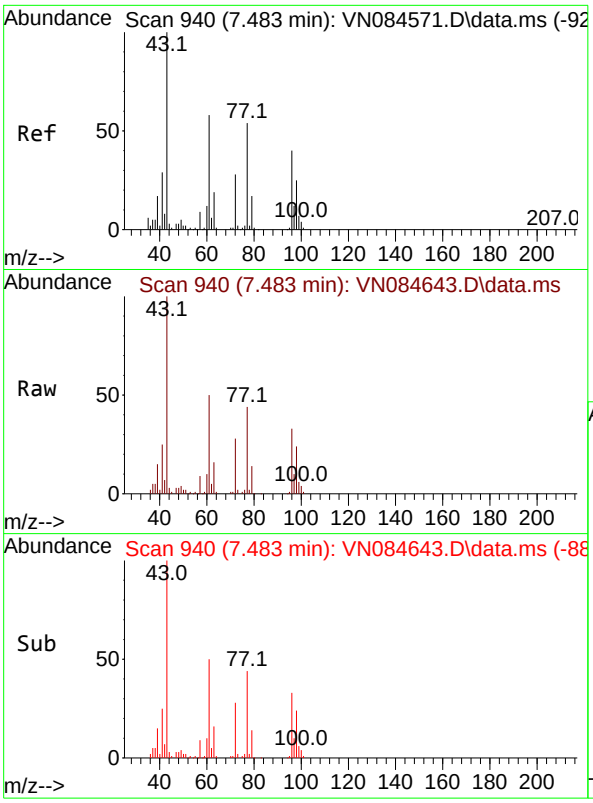


#24
1,1-Dichloroethane
Concen: 47.100 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 63 Resp: 193202

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.2
100	4.5	2.0	5.8



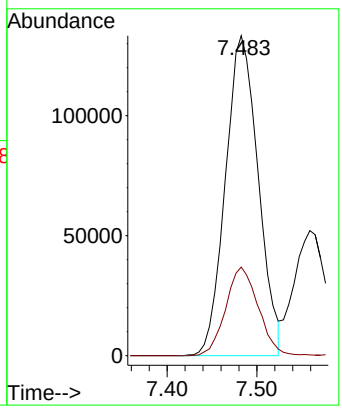


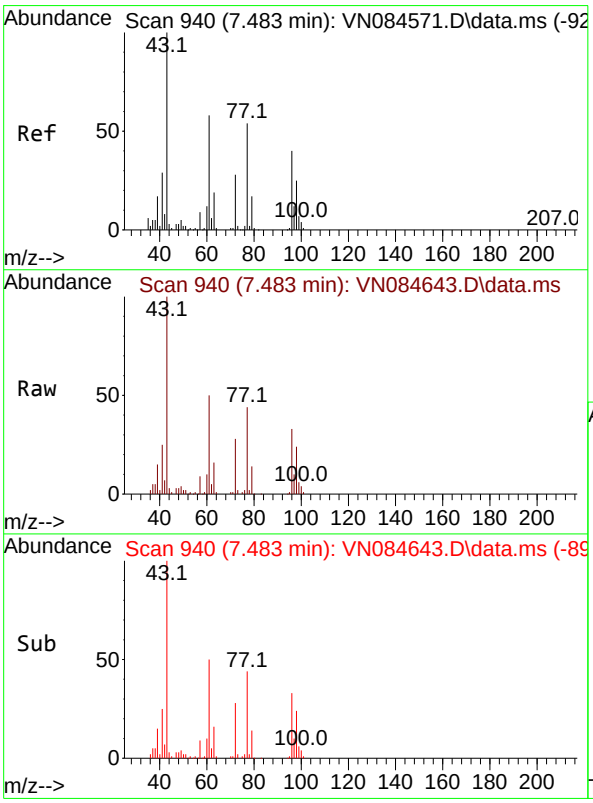
#25
2-Butanone
Concen: 269.898 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 338602

Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.4	32.2

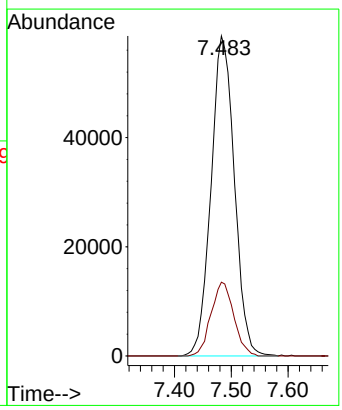


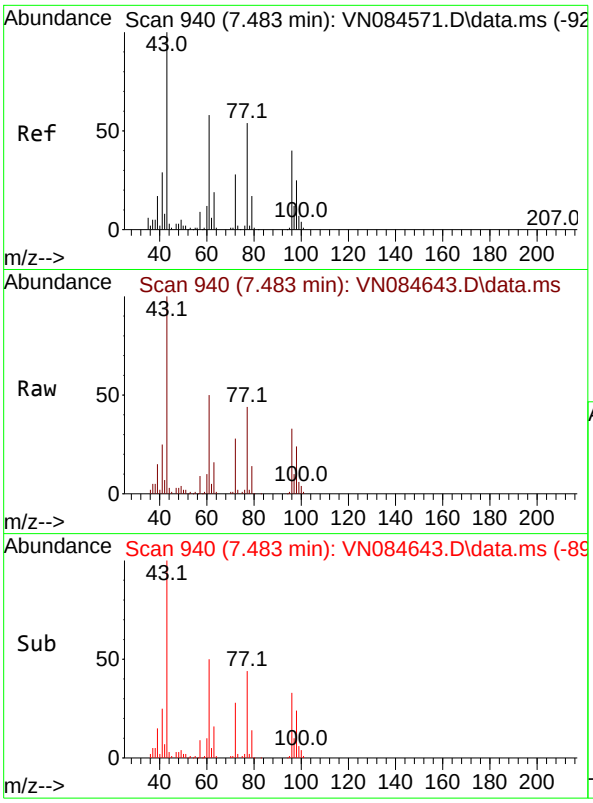


#26
2,2-Dichloropropane
Concen: 46.857 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 77 Resp: 167290

Ion	Ratio	Lower	Upper
77	100		
97	22.5	10.8	32.3



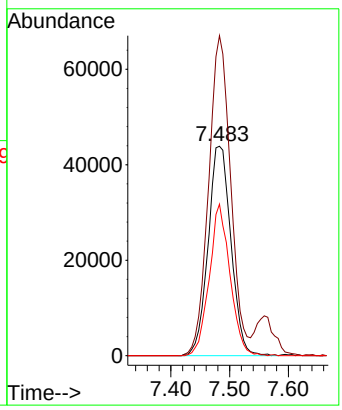


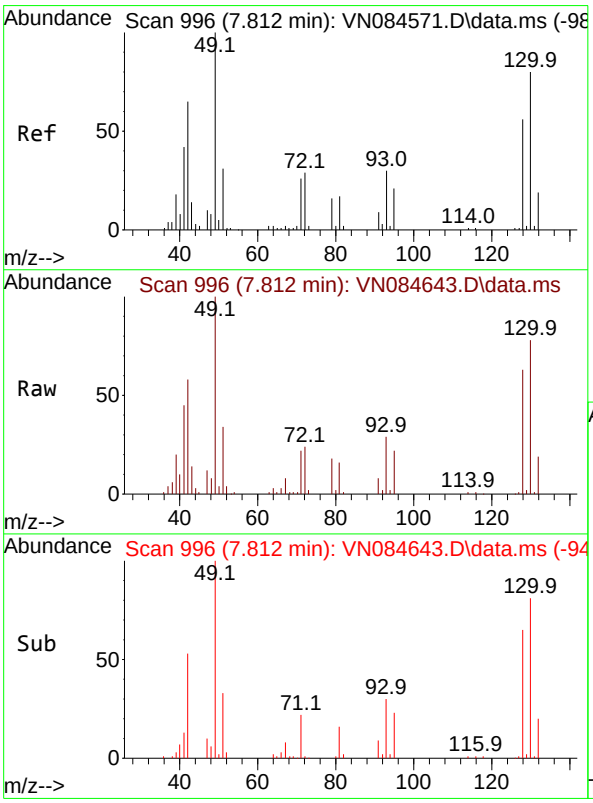
#27
cis-1,2-Dichloroethene
Concen: 46.674 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 118651

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	301.8
98	65.5	0.0	128.2

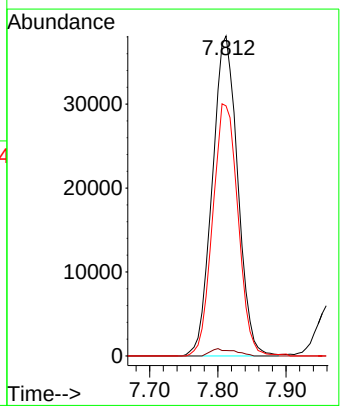


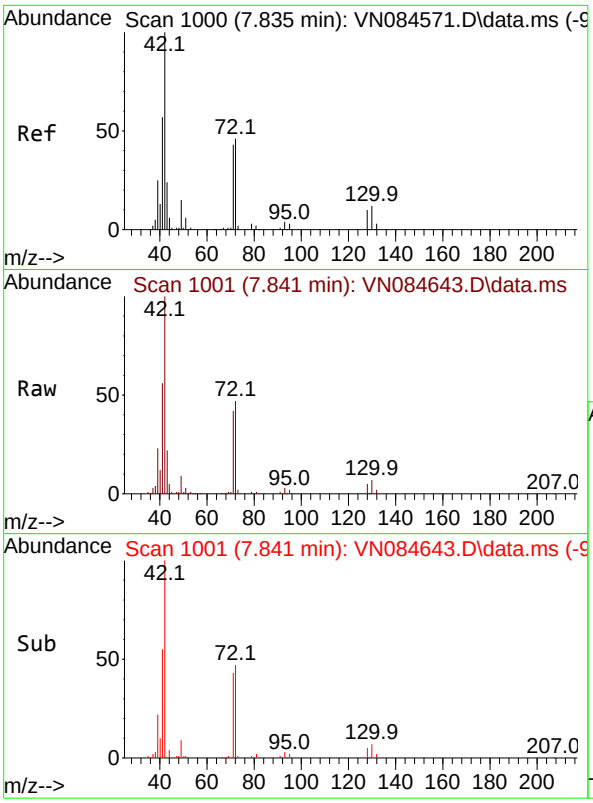


#28
Bromochloromethane
Concen: 60.545 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 49 Resp: 98947

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.6
130	78.3	58.0	87.0



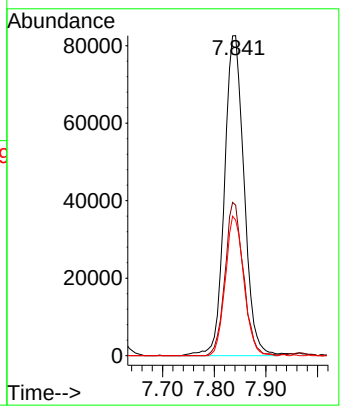


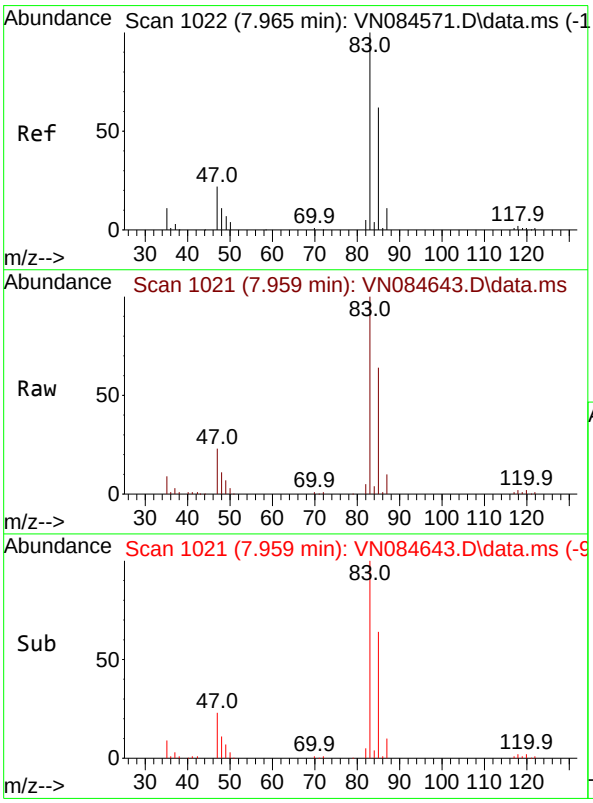
#29
Tetrahydrofuran
Concen: 261.234 ug/l
RT: 7.841 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 217423

Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.6	51.8
71	41.2	32.2	48.4

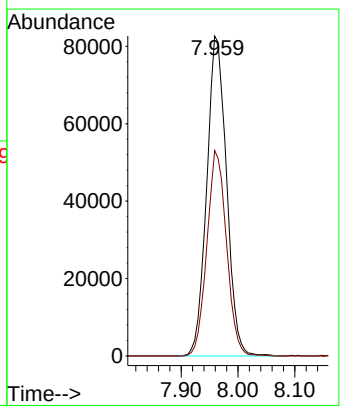


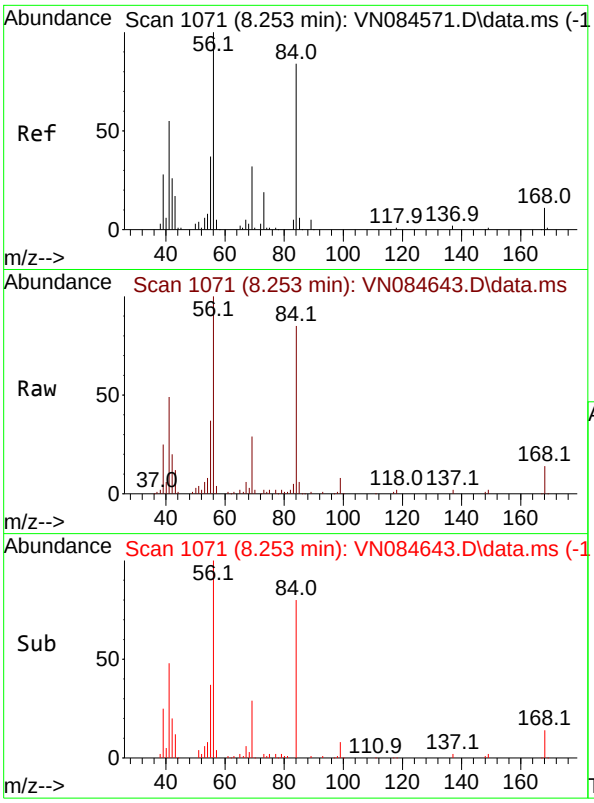


#30
Chloroform
Concen: 47.816 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 83 Resp: 199633

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4



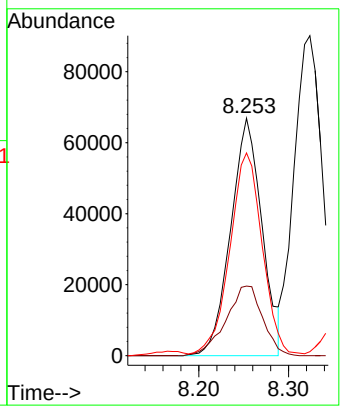


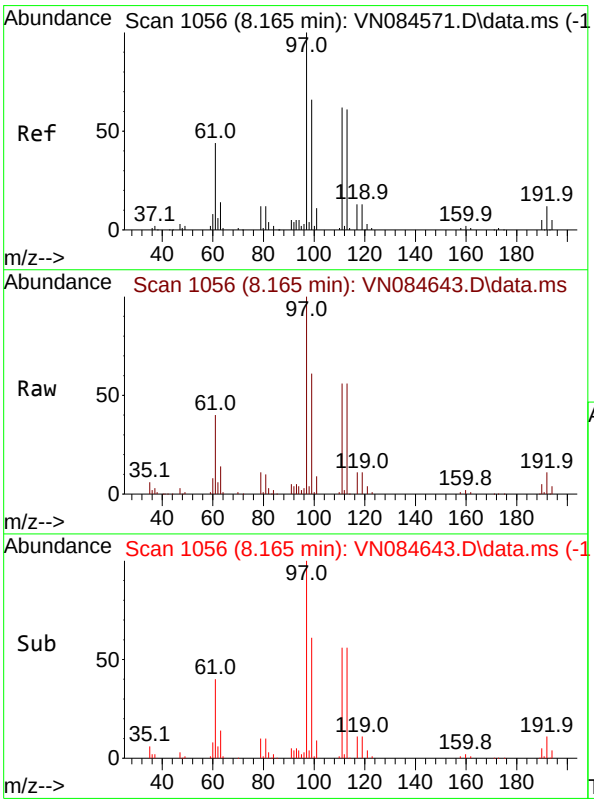
#31
Cyclohexane
Concen: 43.702 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 162246

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.8	35.6
84	83.6	68.8	103.2

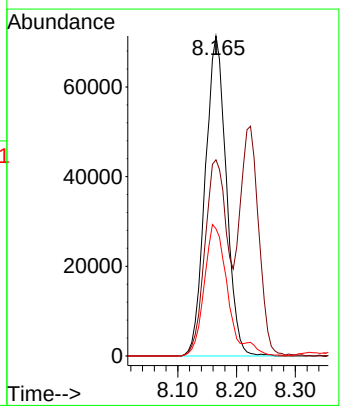


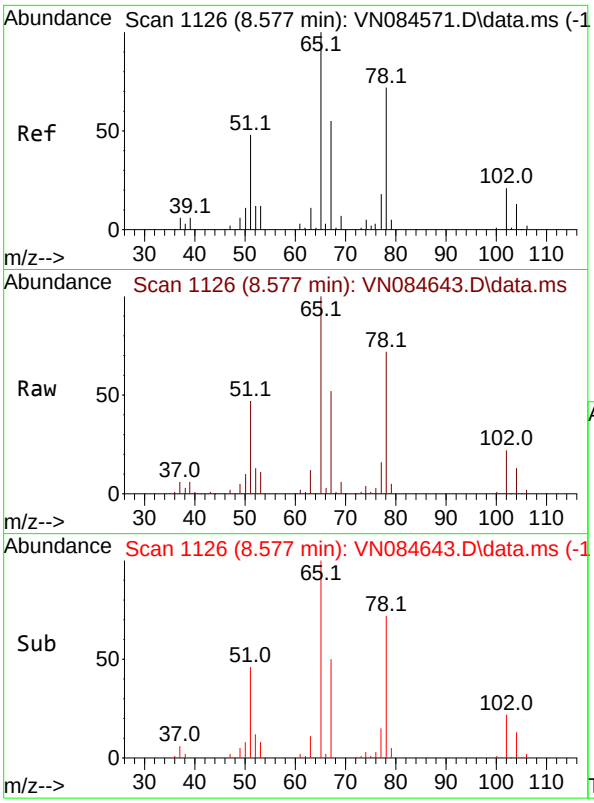


#32
1,1,1-Trichloroethane
Concen: 46.667 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 97 Resp: 177337

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.2	76.8
61	43.4	37.5	56.3



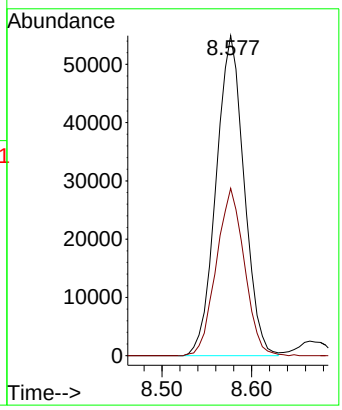


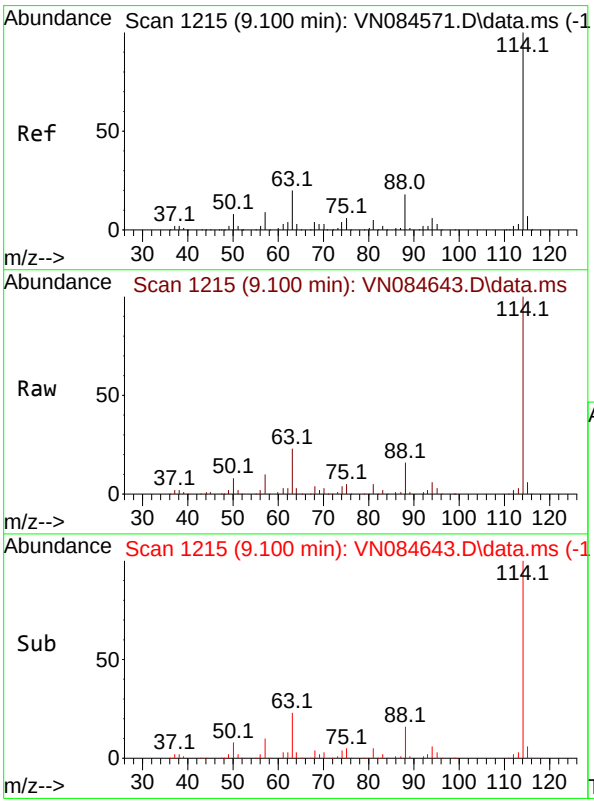
#33
1,2-Dichloroethane-d4
Concen: 44.214 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 118895

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0

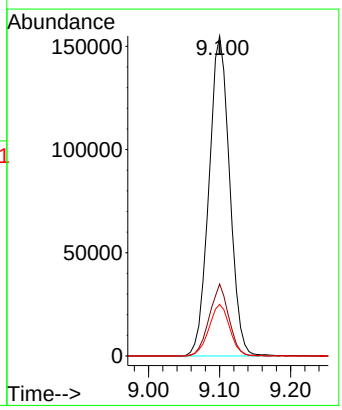


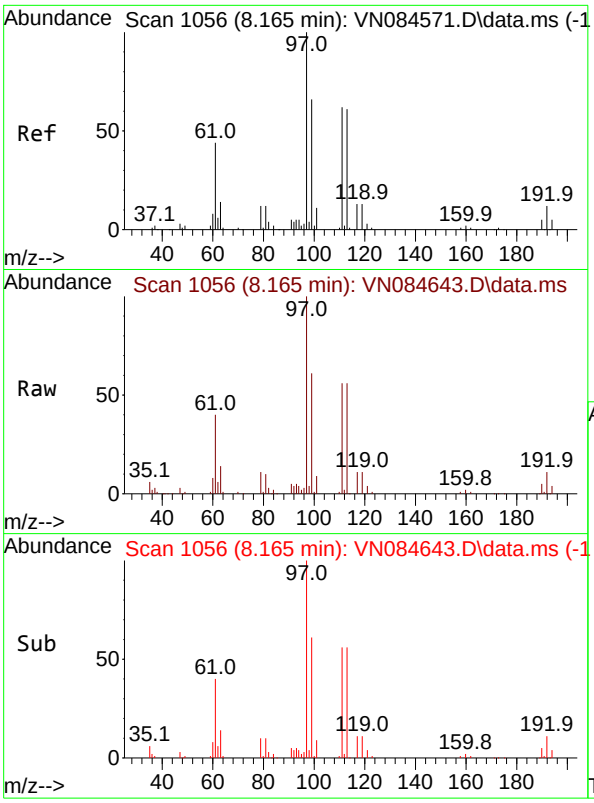


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:114 Resp: 313120

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.8
88	16.1	0.0	31.6



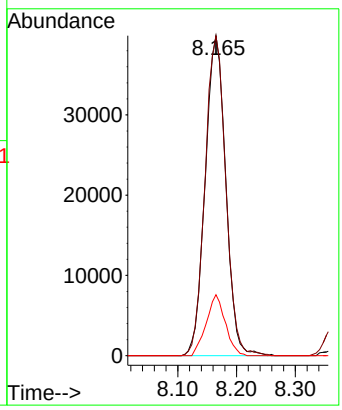


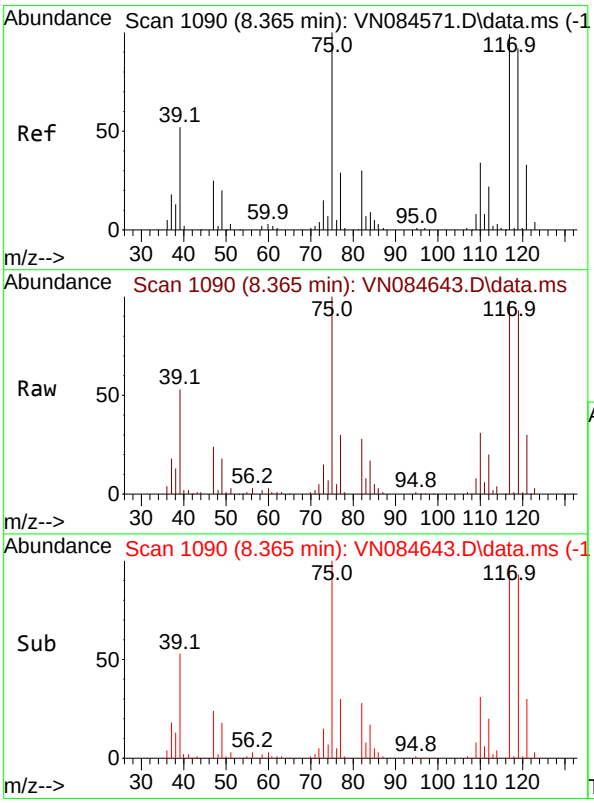
#35
Dibromofluoromethane
Concen: 45.633 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 96716

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.3	124.9
192	17.7	13.5	20.3

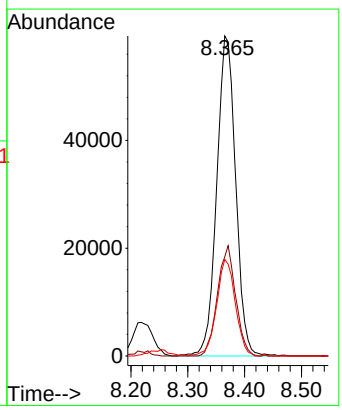


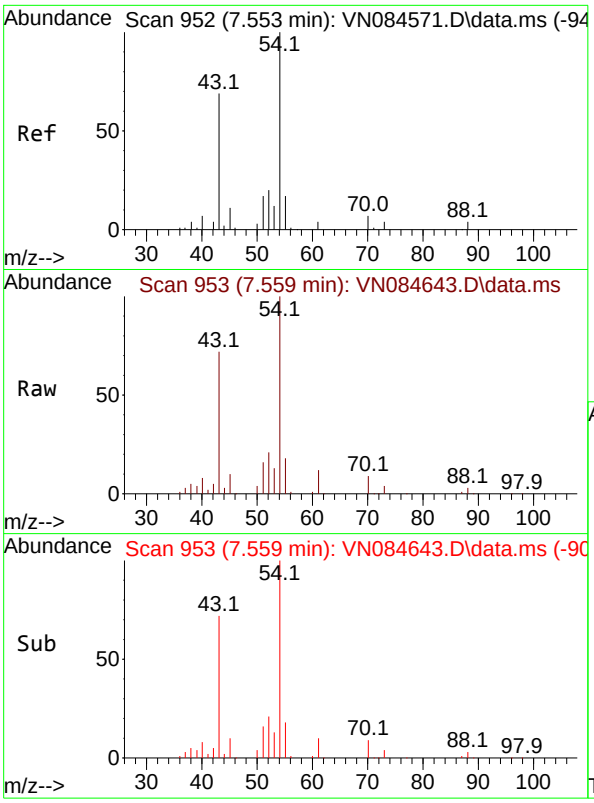


#36
1,1-Dichloropropene
Concen: 46.898 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 137852

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	29.9	24.7	37.1



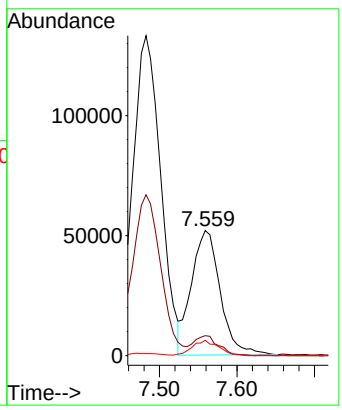


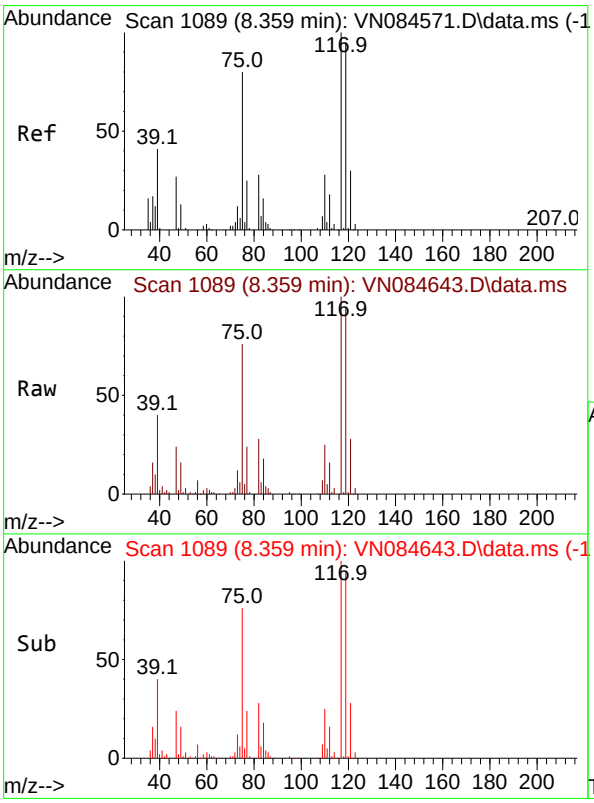
#37
Ethyl Acetate
Concen: 50.206 ug/l
RT: 7.559 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 133895

Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	11.2	8.8	13.2

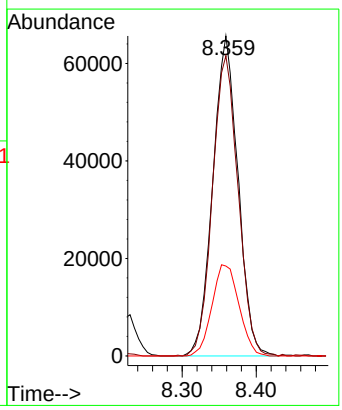


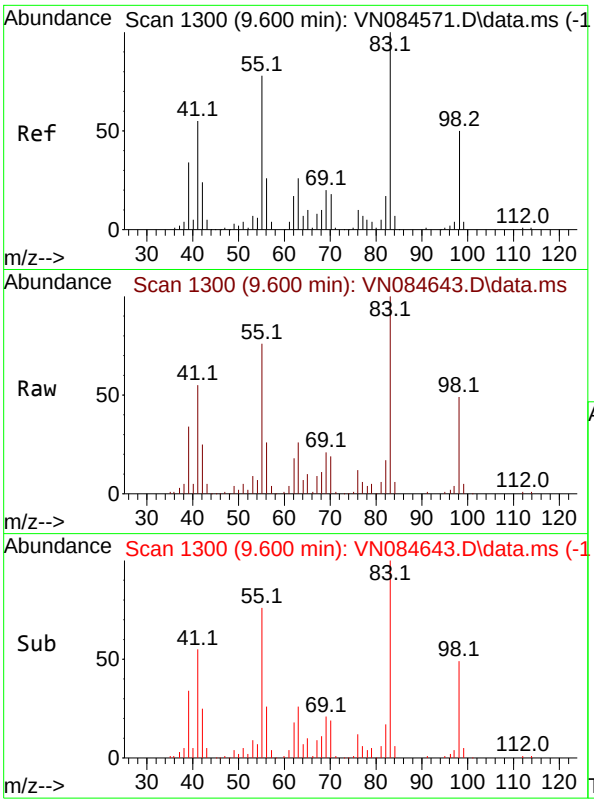


#38
Carbon Tetrachloride
Concen: 47.123 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:117 Resp: 154823

Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.7	118.1
121	28.1	24.4	36.6



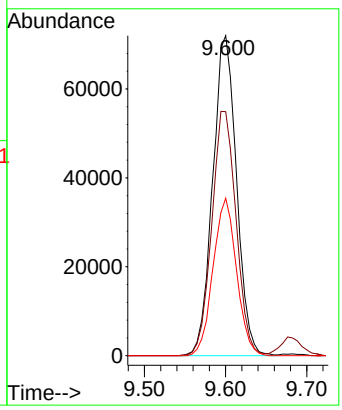


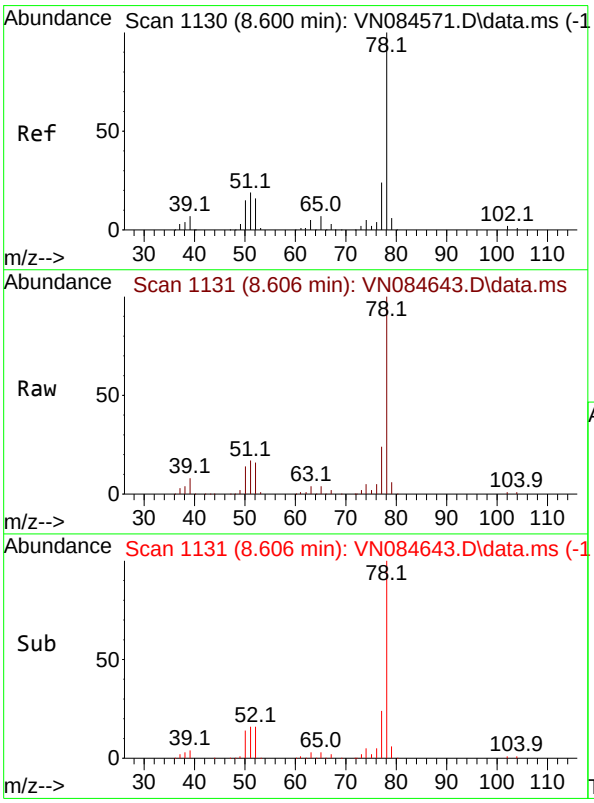
#39
Methylcyclohexane
Concen: 49.108 ug/l
RT: 9.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 146850

Ion	Ratio	Lower	Upper
83	100		
55	76.3	62.8	94.2
98	49.2	38.8	58.2

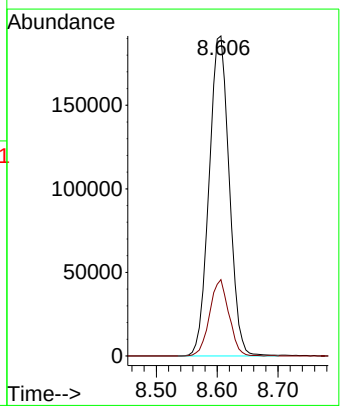


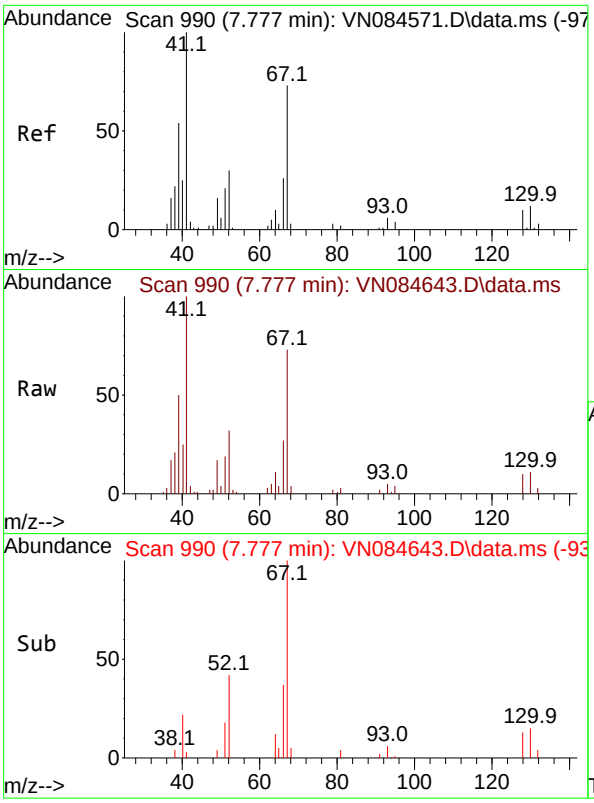


#40
Benzene
Concen: 46.647 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 78 Resp: 440337

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7



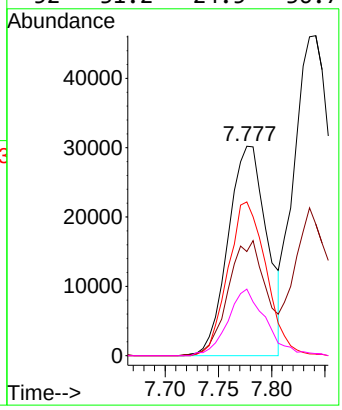


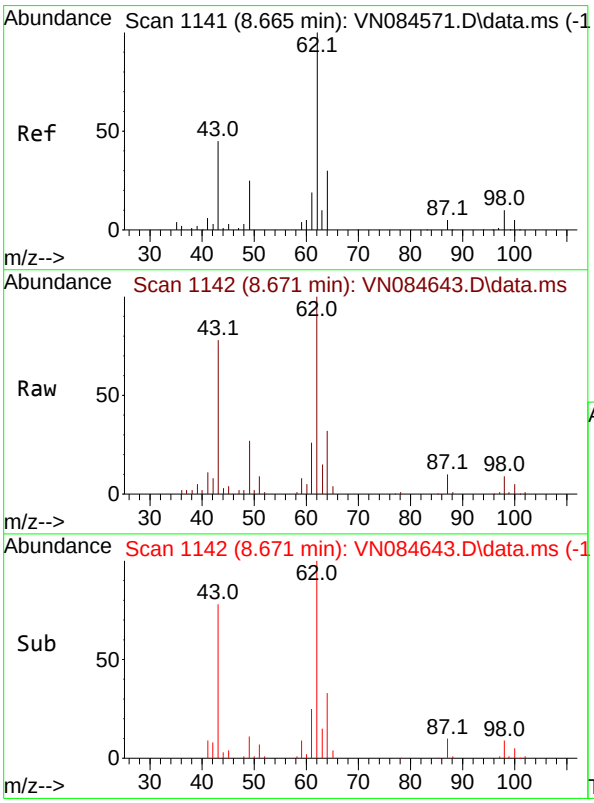
#41
Methacrylonitrile
Concen: 53.530 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 76770

Ion	Ratio	Lower	Upper
41	100		
39	54.0	43.3	64.9
67	72.3	56.1	84.1
52	31.2	24.5	36.7

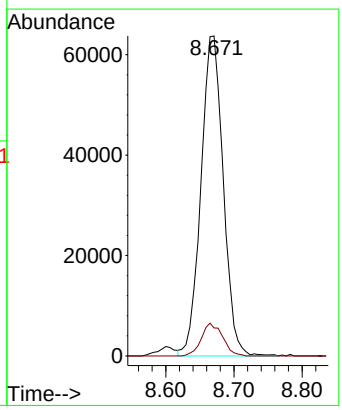


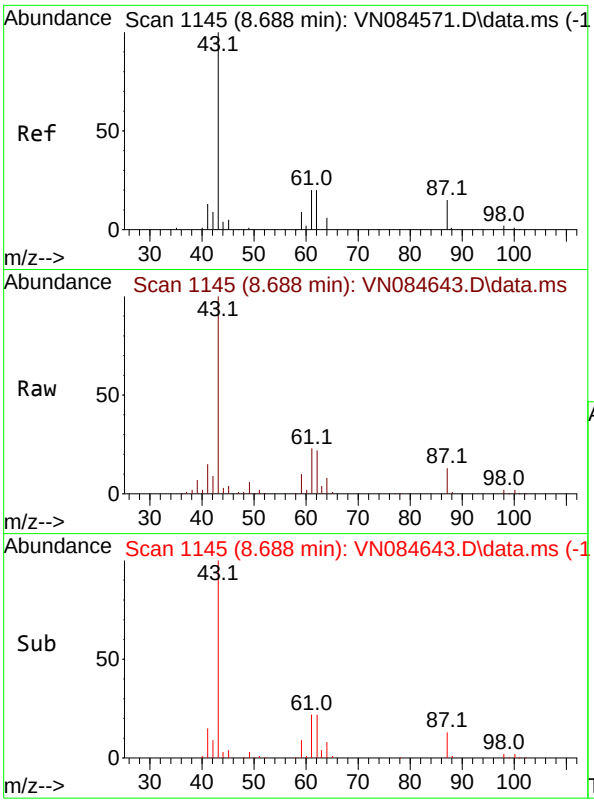


#42
1,2-Dichloroethane
Concen: 47.467 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 62 Resp: 145115

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.2



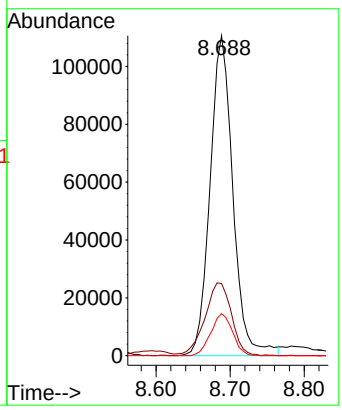


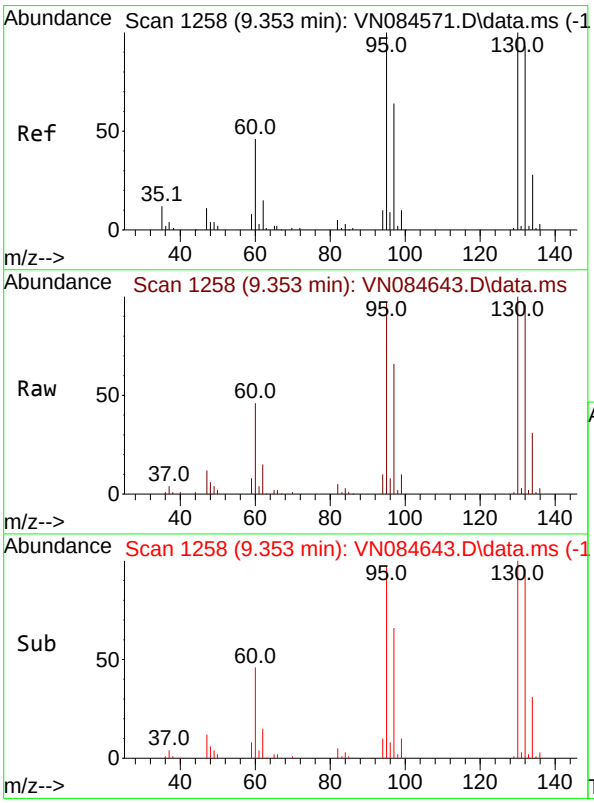
#43
Isopropyl Acetate
Concen: 48.051 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 236927

Ion	Ratio	Lower	Upper
43	100		
61	26.5	20.4	30.6
87	12.5	10.3	15.5

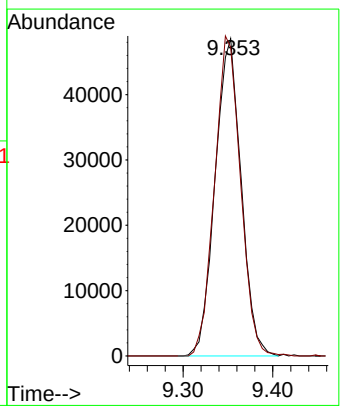


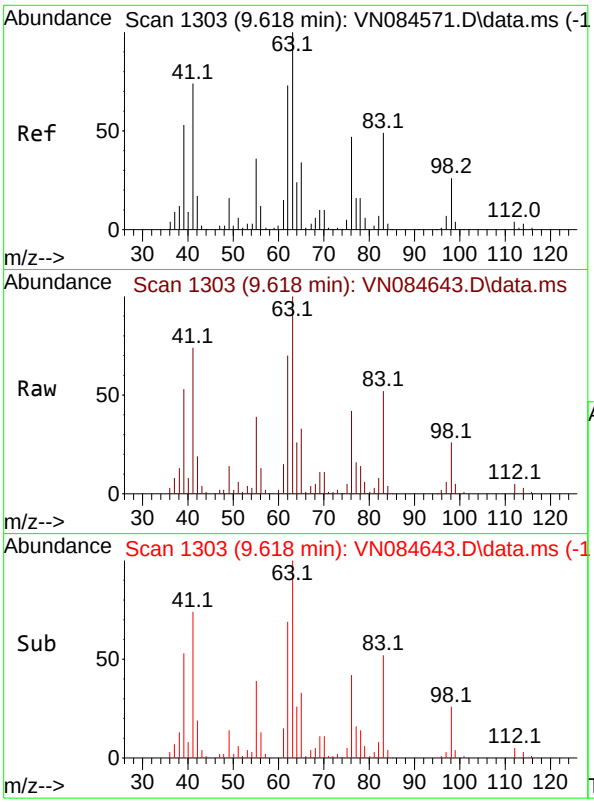


#44
Trichloroethene
Concen: 44.913 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:130 Resp: 97778

Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	203.0



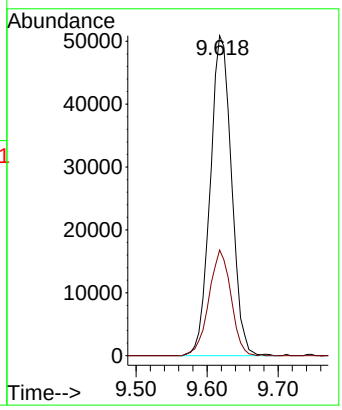


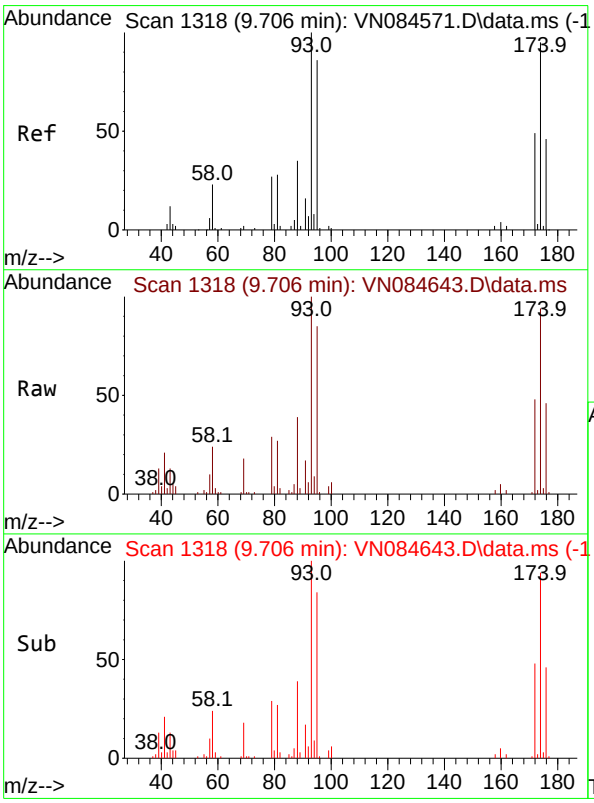
#45
1,2-Dichloropropane
Concen: 47.842 ug/l
RT: 9.618 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 105940

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.6	37.0

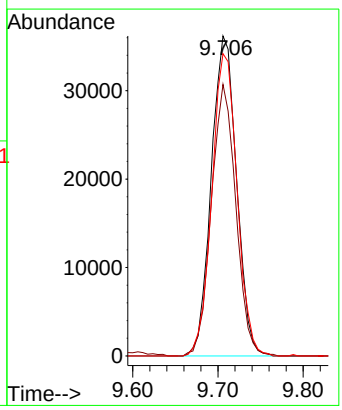


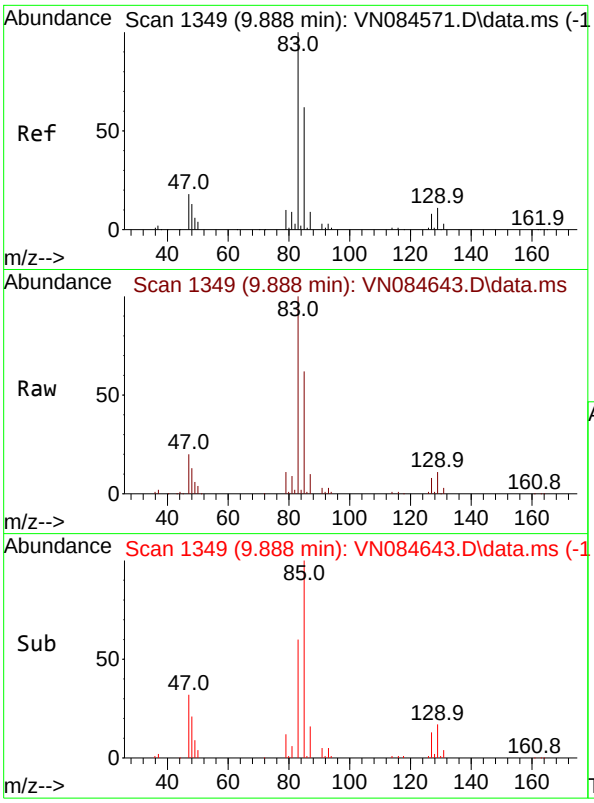


#46
Dibromomethane
Concen: 47.678 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 93 Resp: 74499

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.0	97.4
174	94.6	71.8	107.8



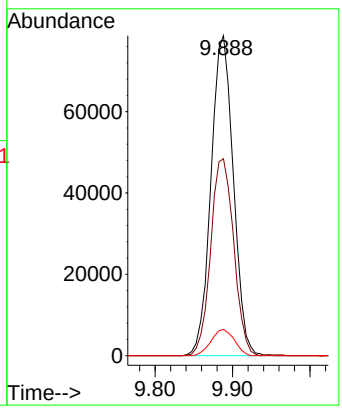


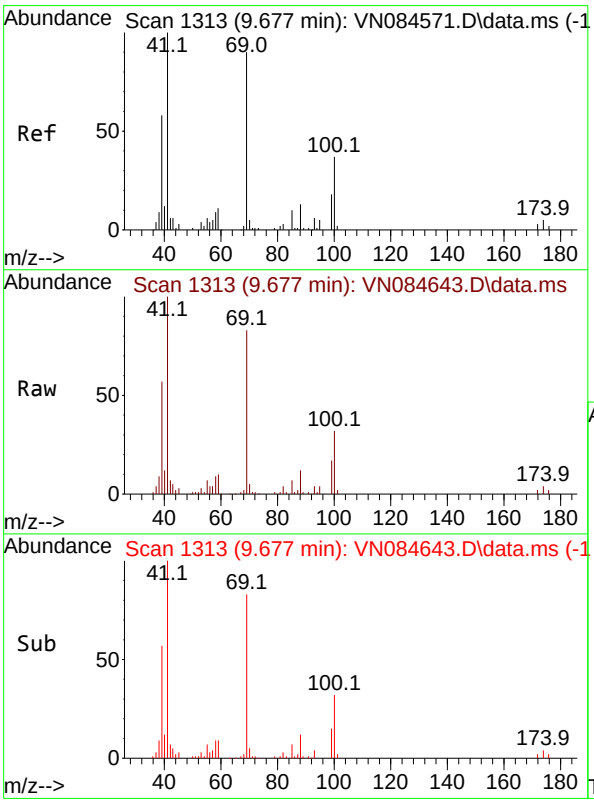
#47
Bromodichloromethane
Concen: 47.883 ug/l
RT: 9.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 157714

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.5	77.3
127	8.2	5.7	8.5

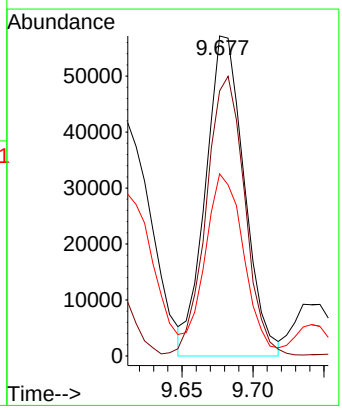


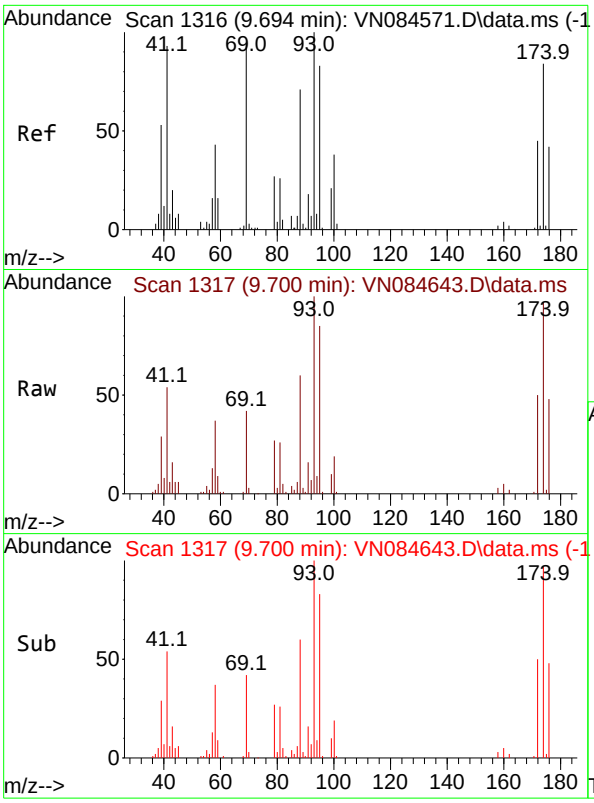


#48
Methyl methacrylate
Concen: 52.208 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 41 Resp: 108363

Ion	Ratio	Lower	Upper
41	100		
69	86.3	67.1	100.7
39	57.7	45.8	68.6



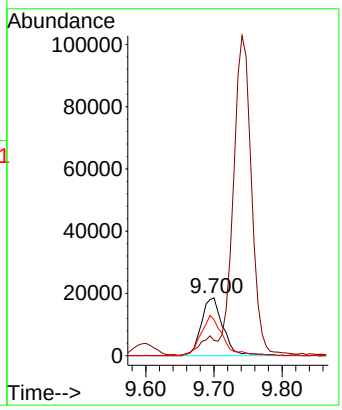


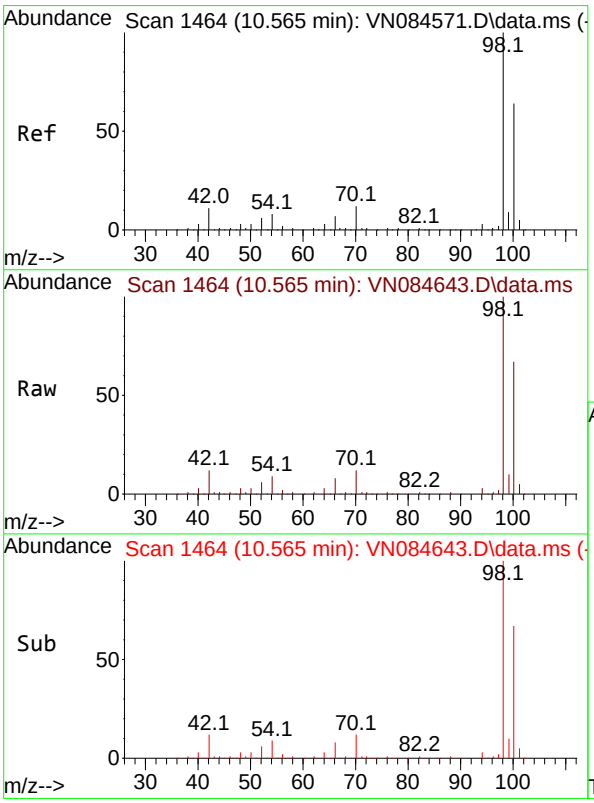
#49
1,4-Dioxane
Concen: 1116.514 ug/l
RT: 9.700 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 41066

Ion	Ratio	Lower	Upper
88	100		
43	26.4	25.3	37.9
58	70.1	56.4	84.6

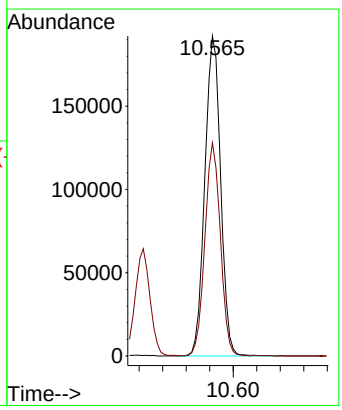


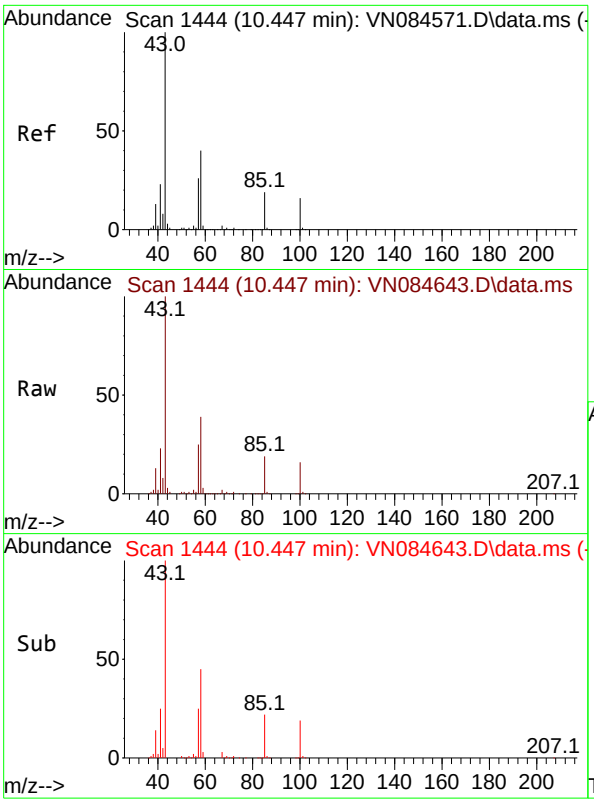


#50
Toluene-d8
Concen: 45.790 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 98 Resp: 357498

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1



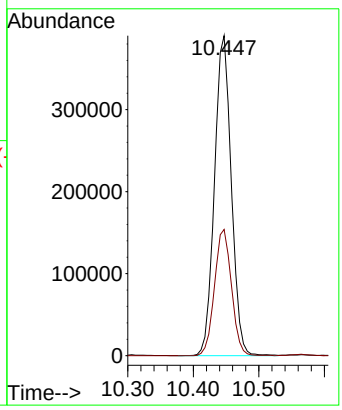


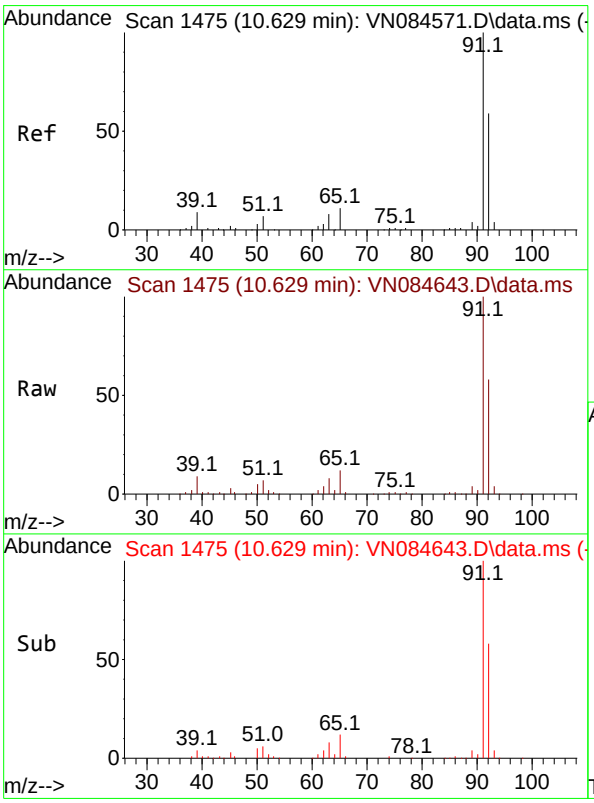
#51
4-Methyl-2-Pentanone
Concen: 272.575 ug/l
RT: 10.447 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 692985

Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.6	47.4

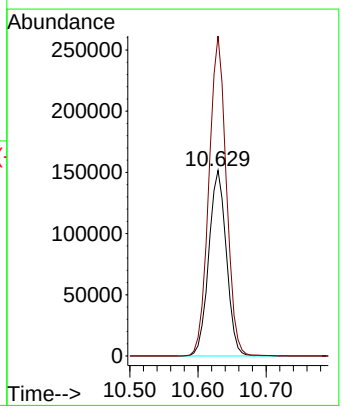


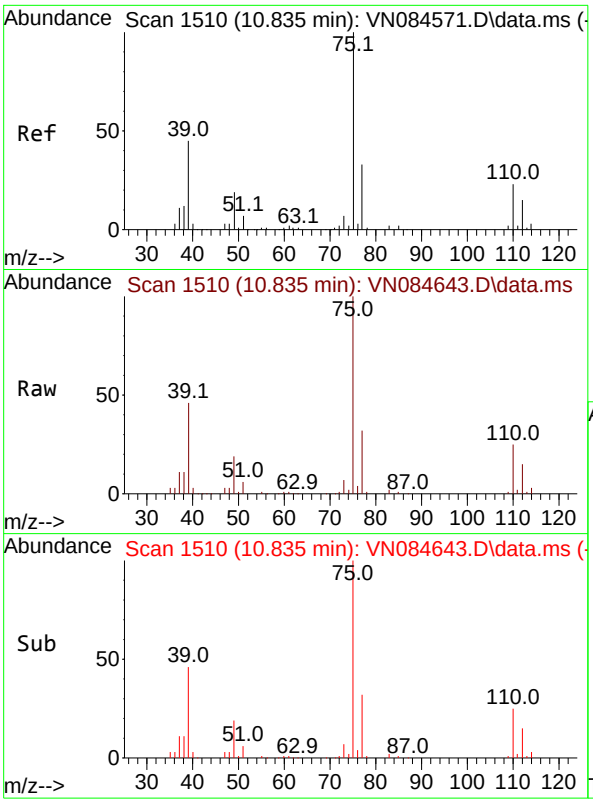


#52
Toluene
Concen: 49.183 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 92 Resp: 271534

Ion	Ratio	Lower	Upper
92	100		
91	171.1	137.3	205.9



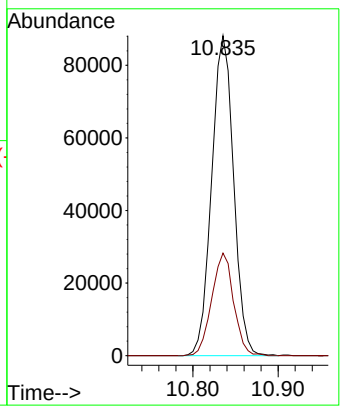


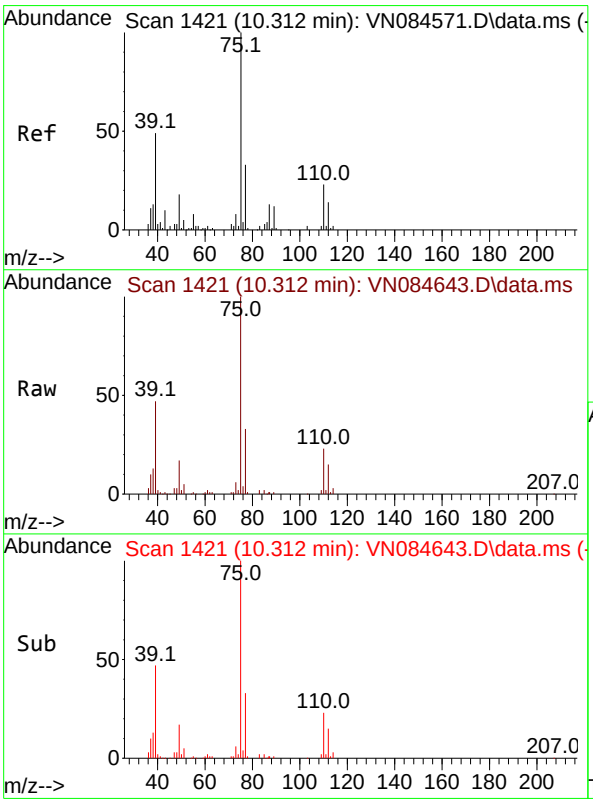
#53
t-1,3-Dichloropropene
Concen: 46.260 ug/l
RT: 10.835 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 157718

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0

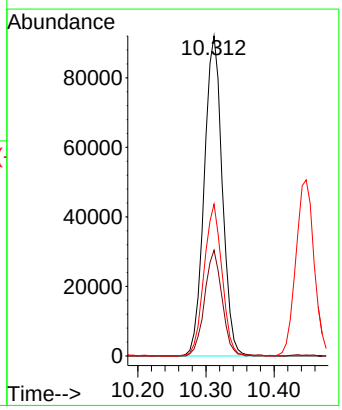


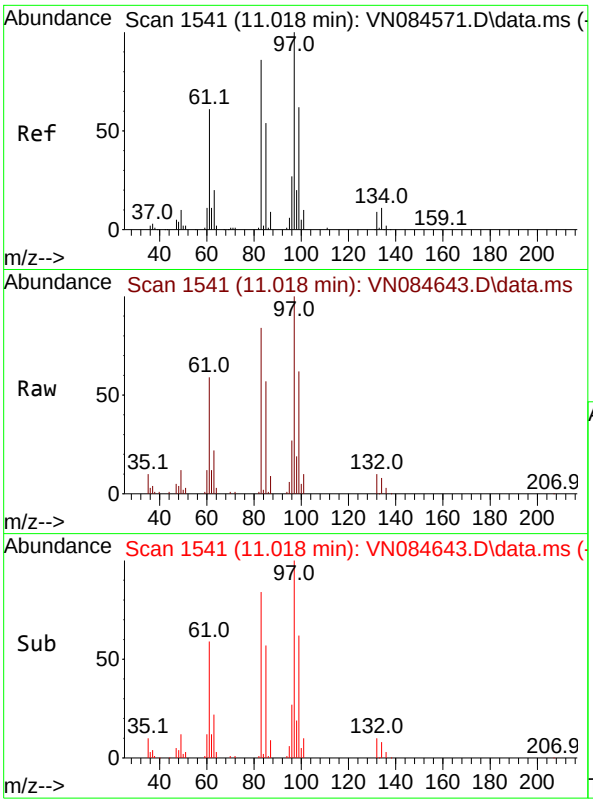


#54
cis-1,3-Dichloropropene
Concen: 46.972 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 169499

Ion	Ratio	Lower	Upper
75	100		
77	33.0	24.2	36.2
39	47.4	38.7	58.1



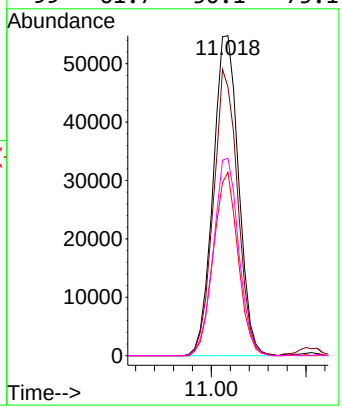


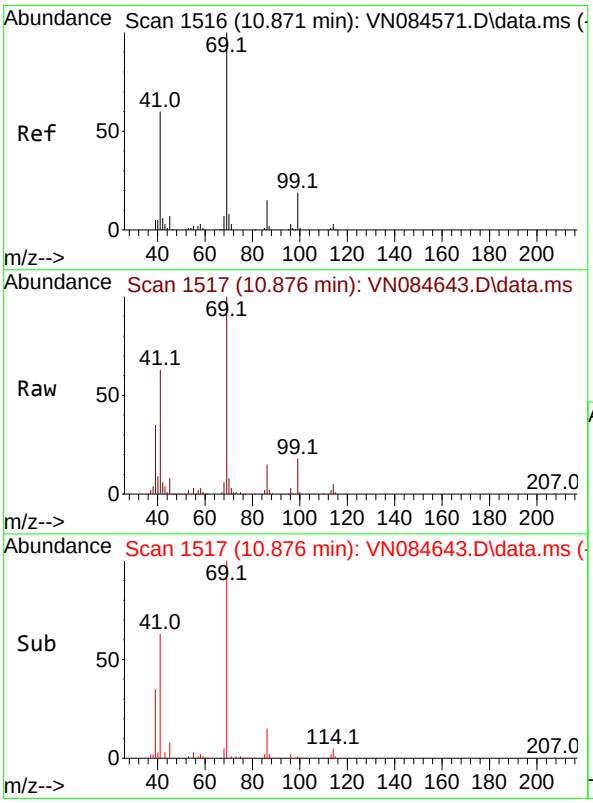
#55
1,1,2-Trichloroethane
Concen: 49.336 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 102600

Ion	Ratio	Lower	Upper
97	100		
83	83.9	71.0	106.4
85	57.3	41.7	62.5
99	61.7	50.1	75.1

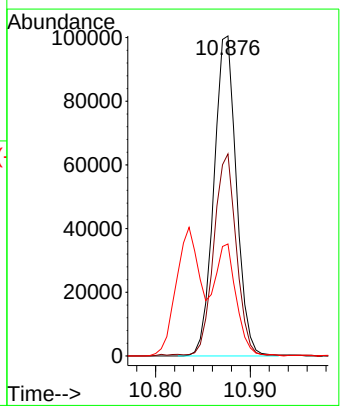


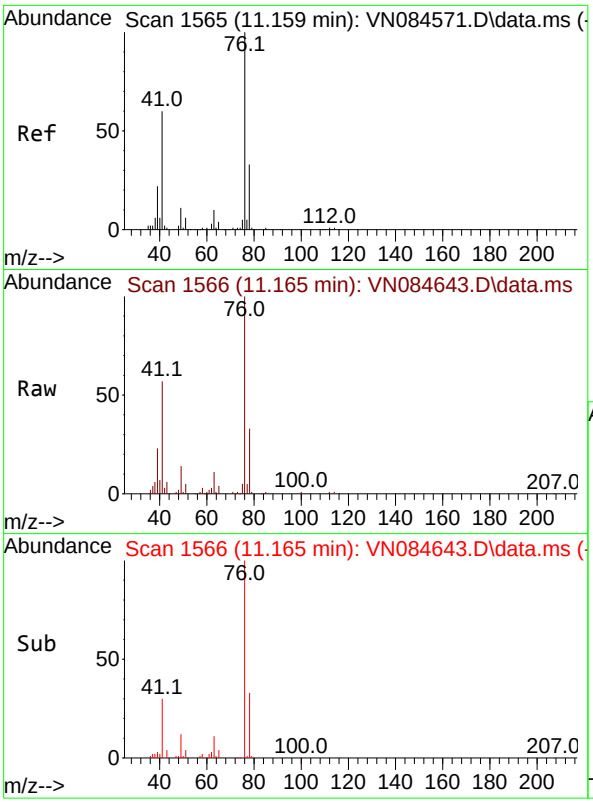


#56
Ethyl methacrylate
Concen: 55.207 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 69 Resp: 166069

Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.3	79.9
39	34.5	28.8	43.2



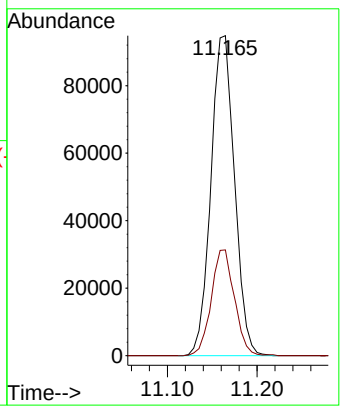


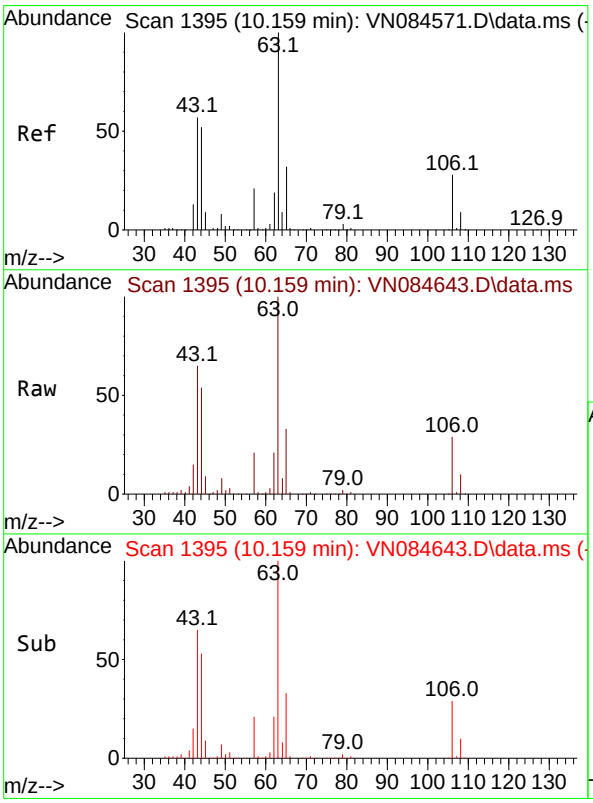
#57
1,3-Dichloropropane
Concen: 48.563 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 173329

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

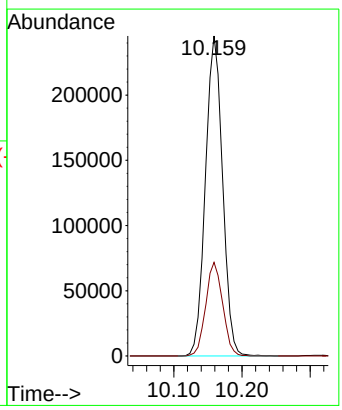


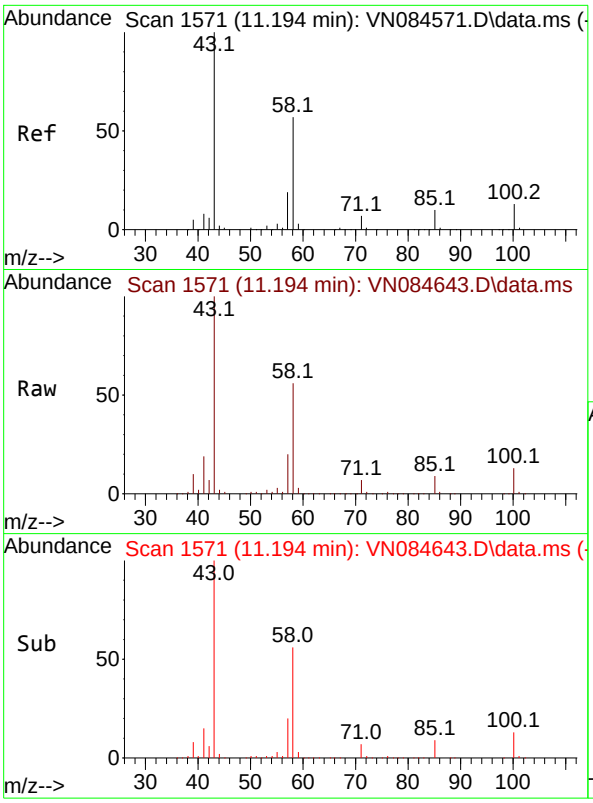


#58
2-Chloroethyl Vinyl ether
Concen: 304.914 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 63 Resp: 429197

Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.6



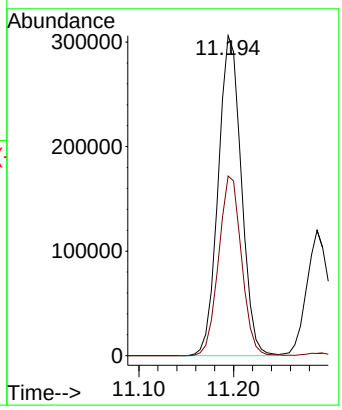


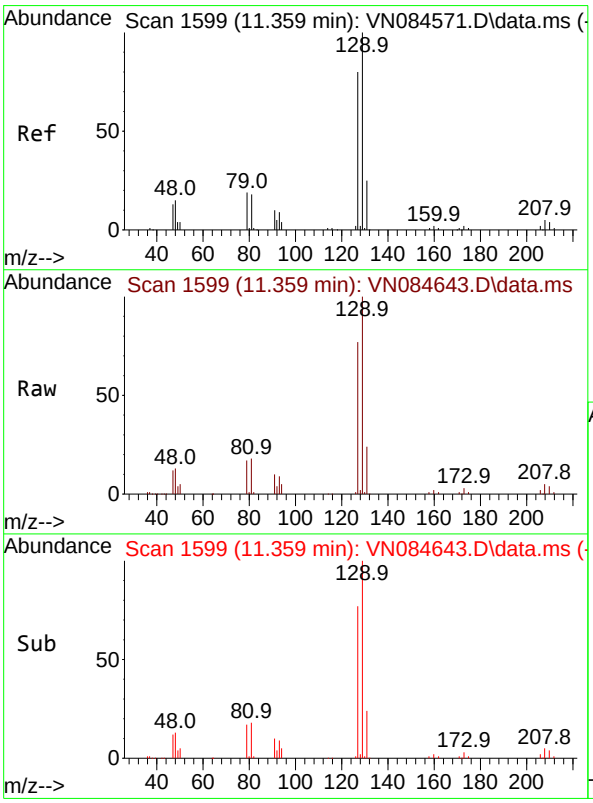
#59
2-Hexanone
Concen: 280.493 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 519065

Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.3	81.8

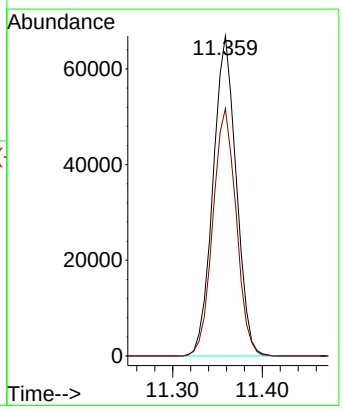


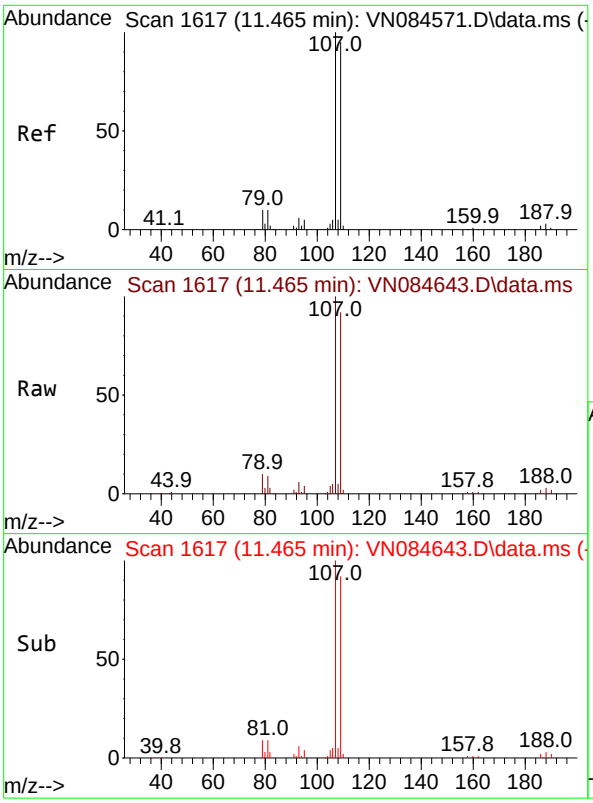


#60
Dibromochloromethane
Concen: 50.589 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:129 Resp: 119904

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9



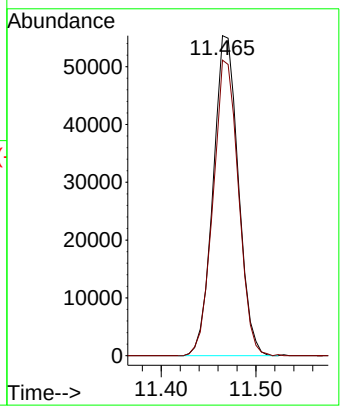


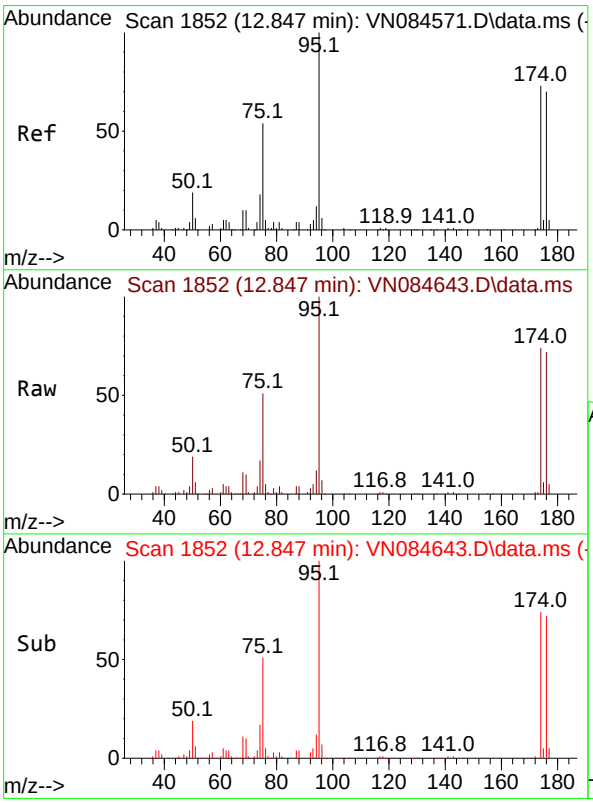
#61
1,2-Dibromoethane
Concen: 47.989 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 102199

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.4	113.0

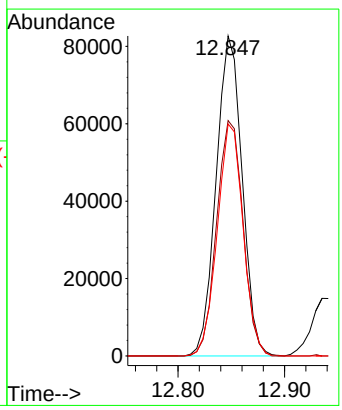


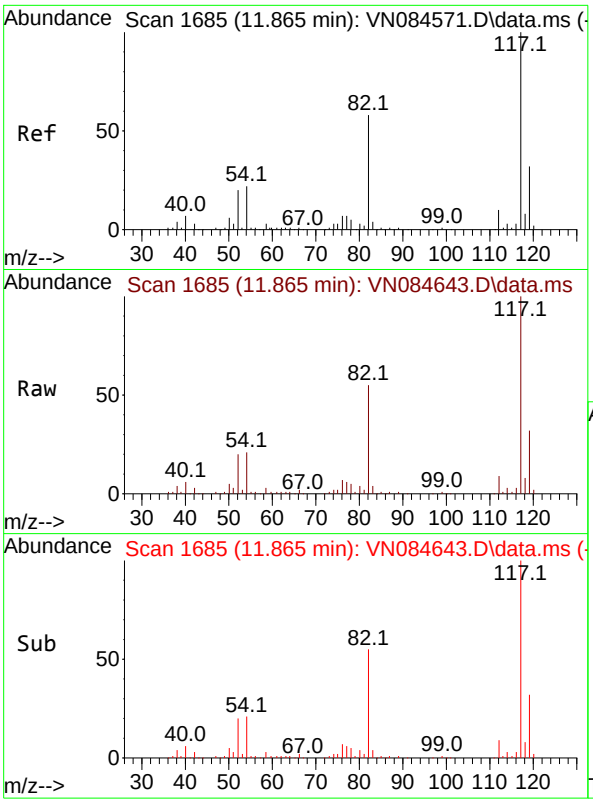


#62
4-Bromofluorobenzene
Concen: 47.985 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 95 Resp: 140014

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	72.1	0.0	140.0



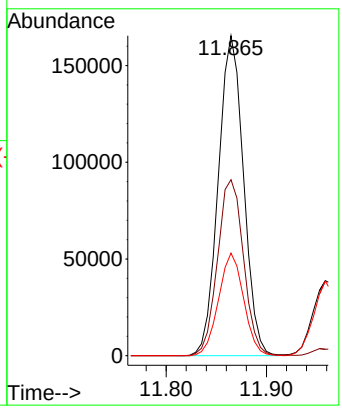


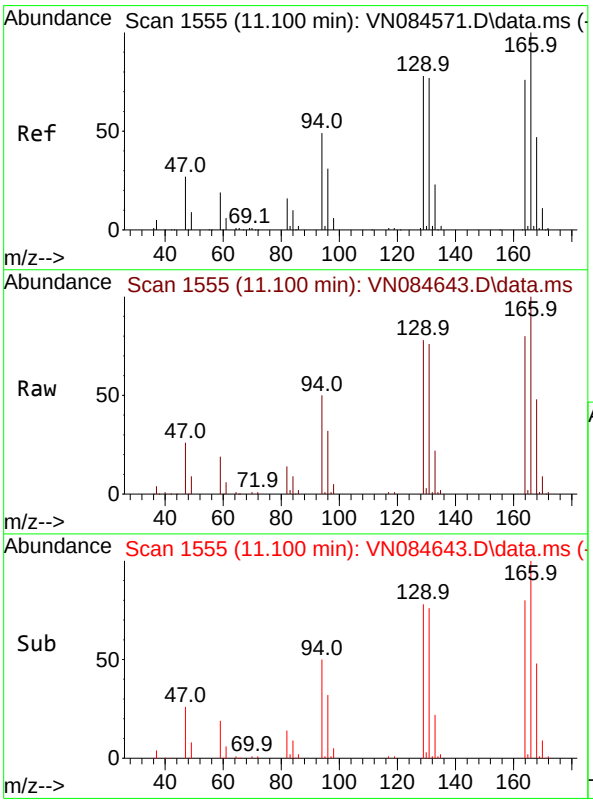
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 289884

Ion	Ratio	Lower	Upper
117	100		
82	55.0	47.2	70.8
119	32.0	25.4	38.0

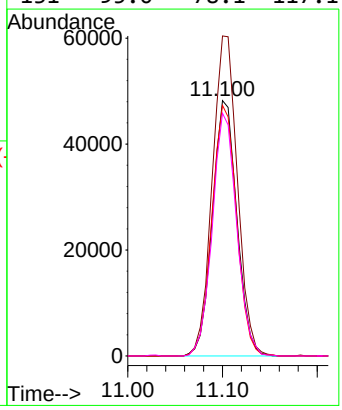


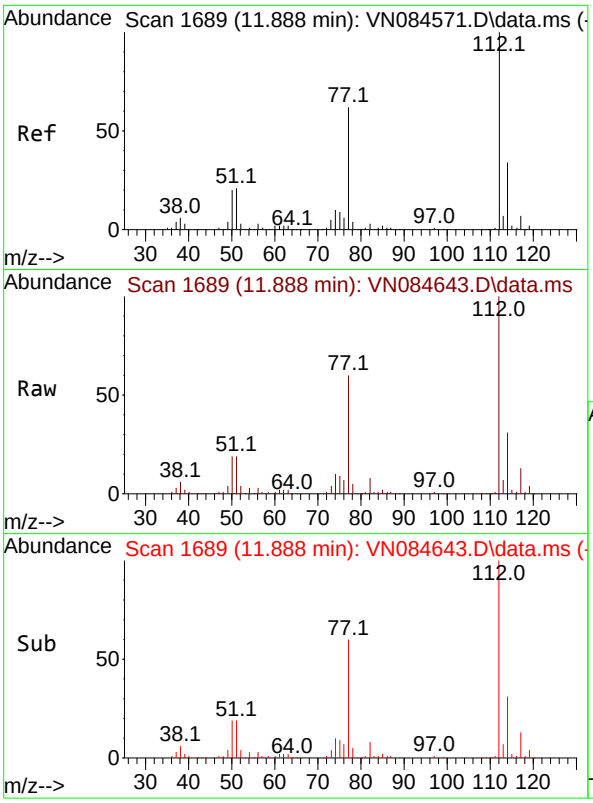


#64
Tetrachloroethene
Concen: 45.036 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:164 Resp: 86839

Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.0	151.4
129	98.1	80.8	121.2
131	95.0	78.1	117.1



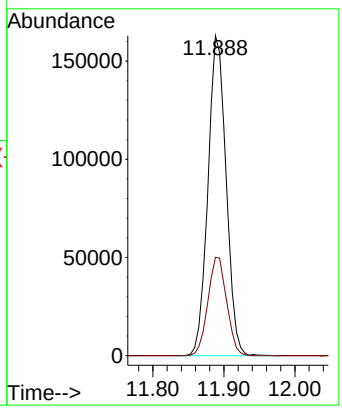


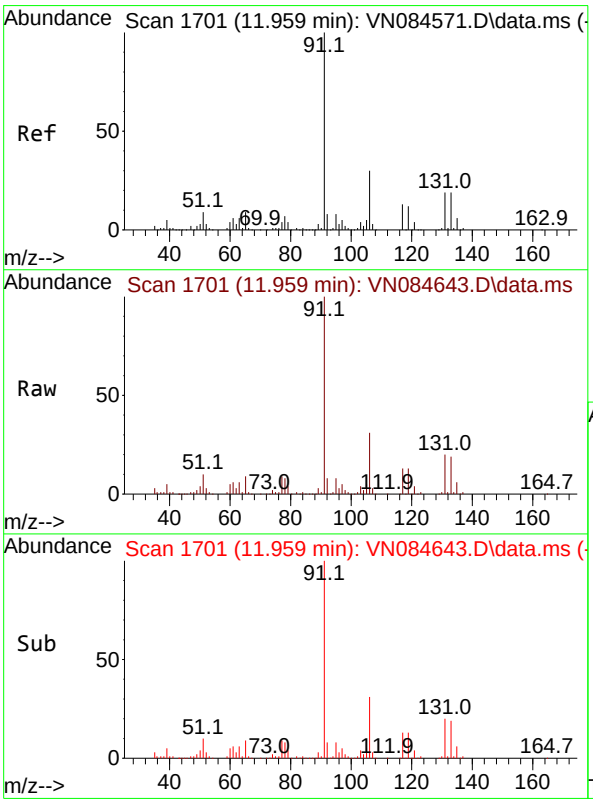
#65
Chlorobenzene
Concen: 44.610 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 289307

Ion	Ratio	Lower	Upper
112	100		
114	30.7	27.0	40.6

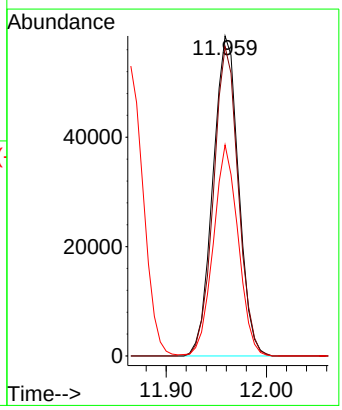


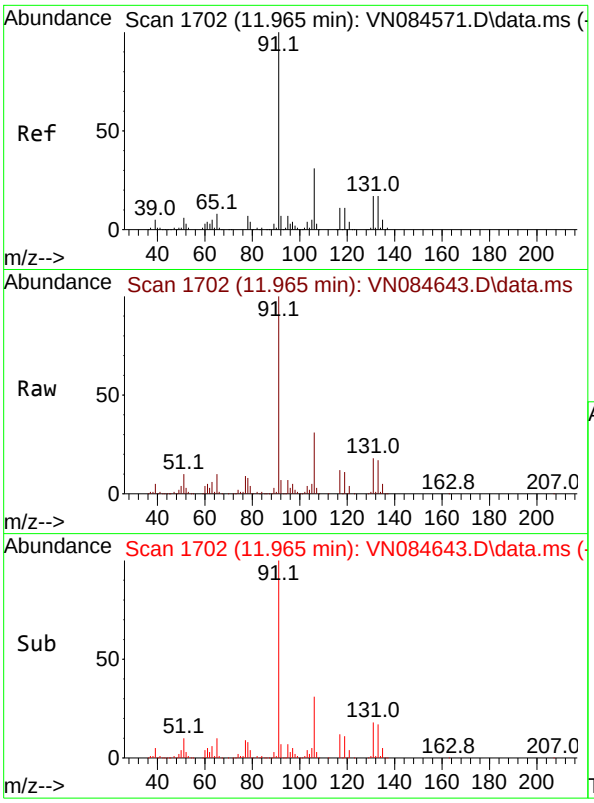


#66
1,1,1,2-Tetrachloroethane
Concen: 45.897 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:131 Resp: 103534

Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.9	143.7
119	64.2	32.8	98.3



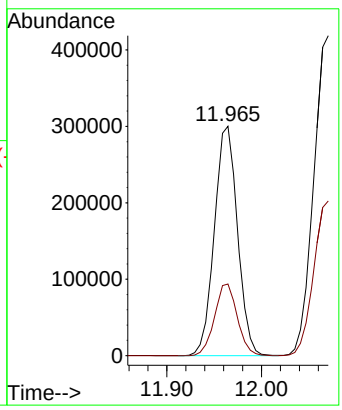


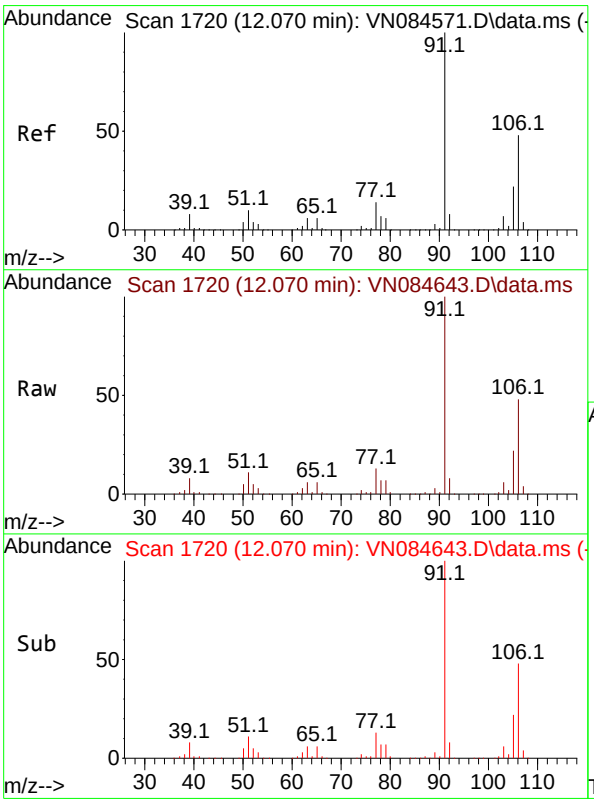
#67
Ethyl Benzene
Concen: 47.126 ug/l
RT: 11.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 510156

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.5	36.7

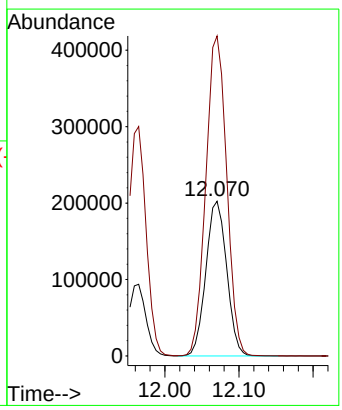


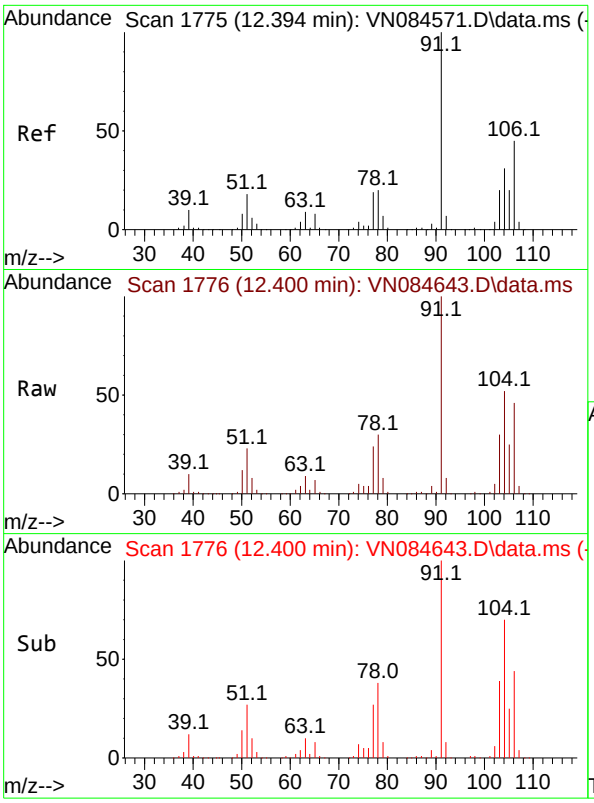


#68
m/p-Xylenes
Concen: 96.376 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:106 Resp: 394978

Ion	Ratio	Lower	Upper
106	100		
91	207.2	167.1	250.7



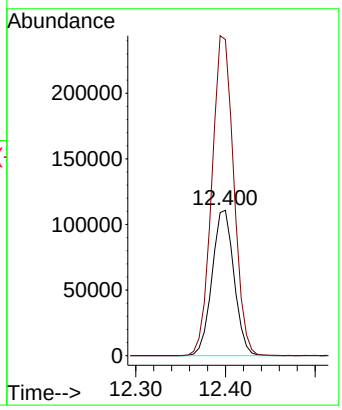


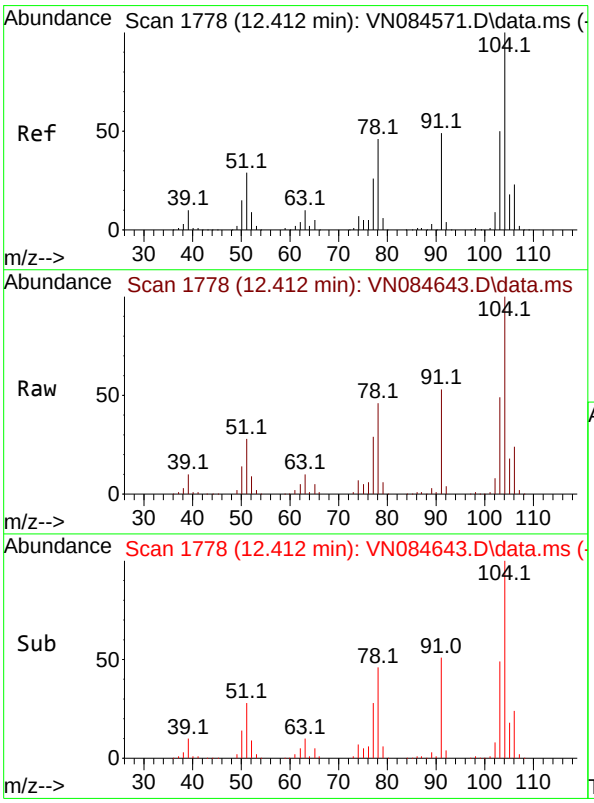
#69
o-Xylene
Concen: 49.151 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 188437

Ion	Ratio	Lower	Upper
106	100		
91	219.6	110.2	330.6

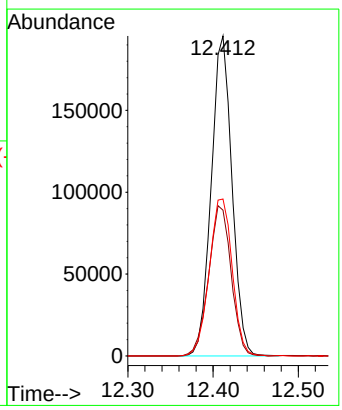


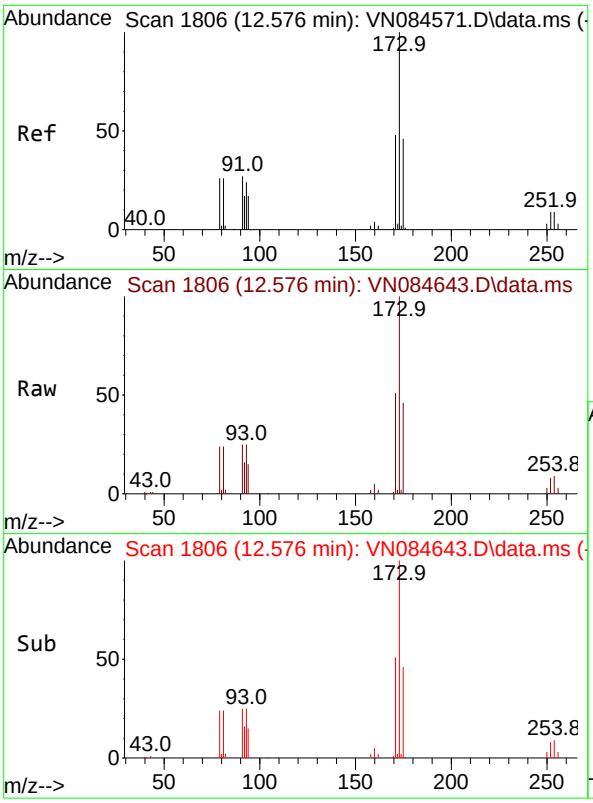


#70
Styrene
Concen: 49.400 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:104 Resp: 330384

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.7	64.1
103	54.4	43.6	65.4



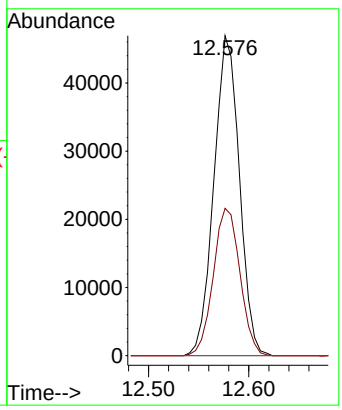


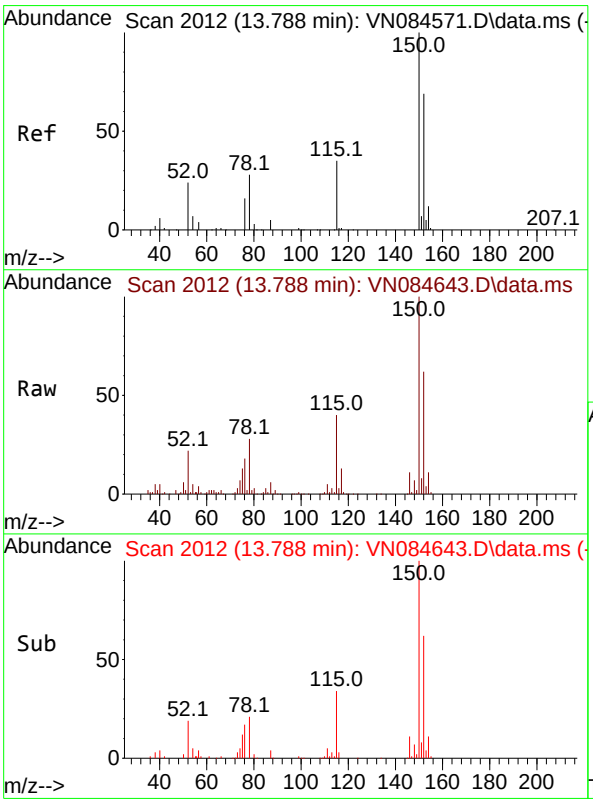
#71
Bromoform
Concen: 48.752 ug/l
RT: 12.576 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 82751

Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.6
254	0.0	0.0	0.0

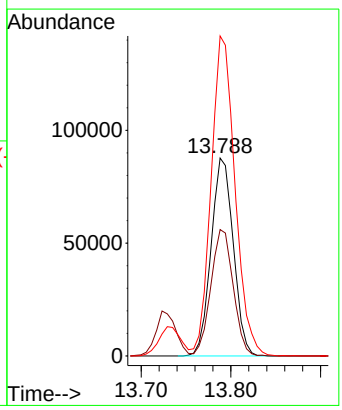


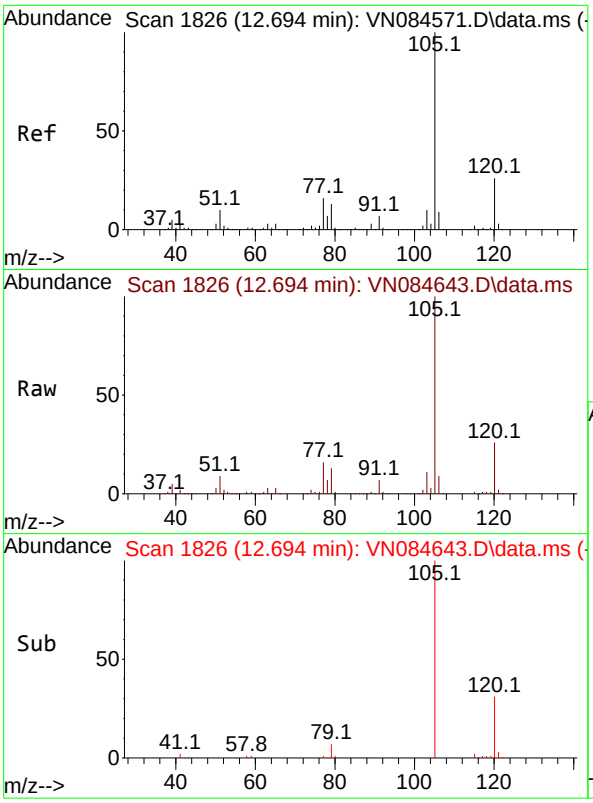


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:152 Resp: 150905

Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.3	93.9
150	173.8	0.0	349.8



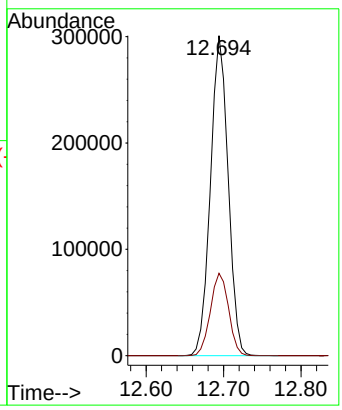


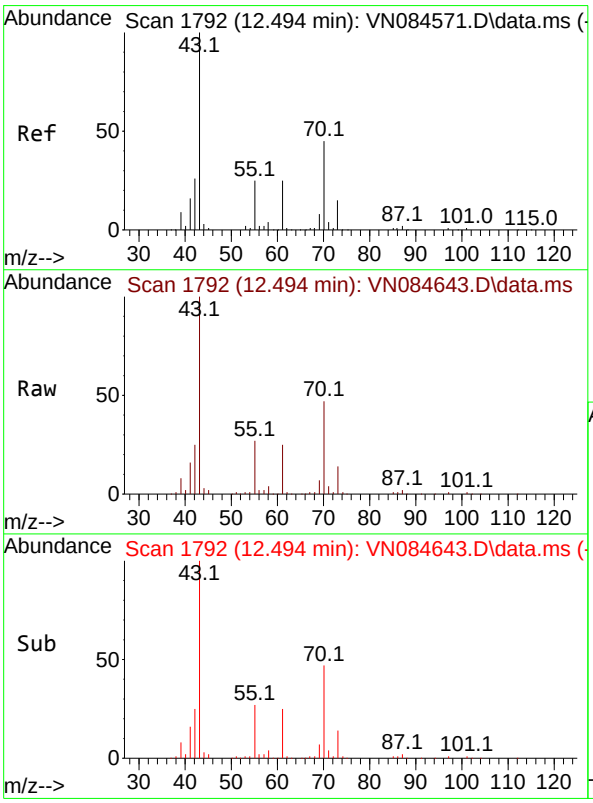
#73
Isopropylbenzene
Concen: 45.098 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 476917

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.7

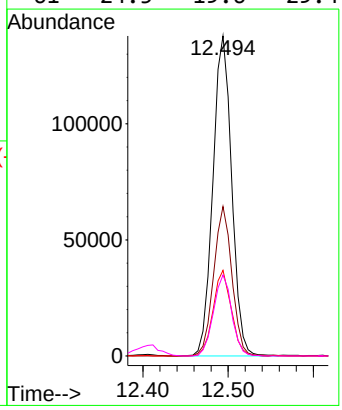


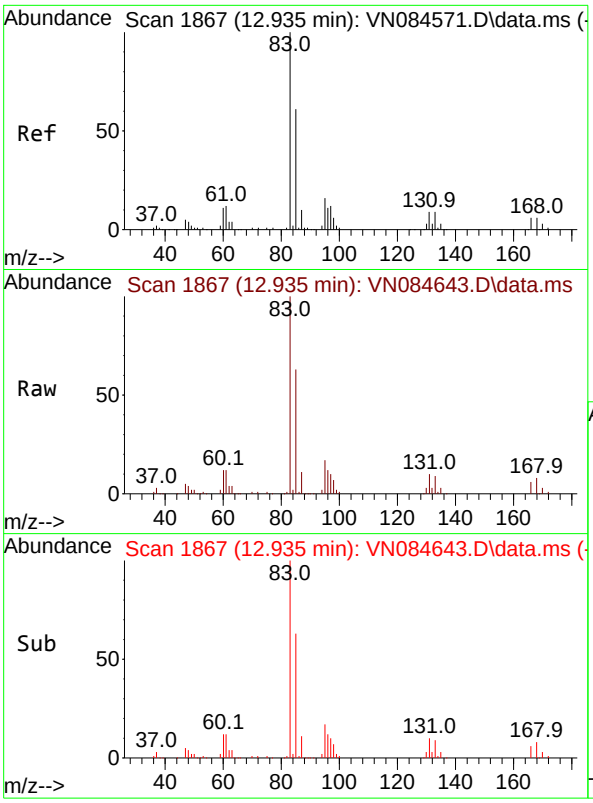


#74
N-amyl acetate
Concen: 46.982 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 43 Resp: 211463

Ion	Ratio	Lower	Upper
43	100		
70	45.4	34.4	51.6
55	26.0	19.6	29.4
61	24.5	19.6	29.4



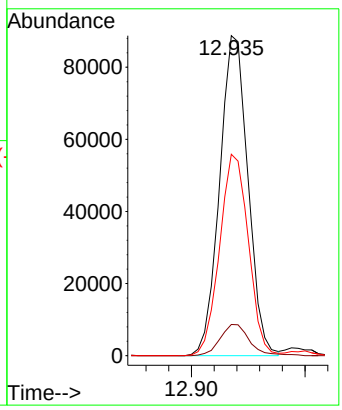


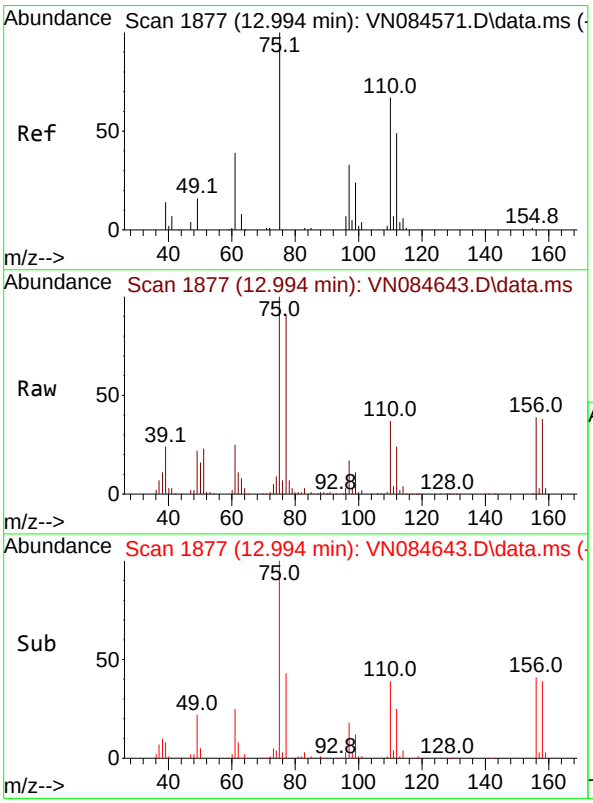
#75
1,1,2,2-Tetrachloroethane
Concen: 43.570 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 153793

Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.9	14.7
85	63.8	31.9	95.7

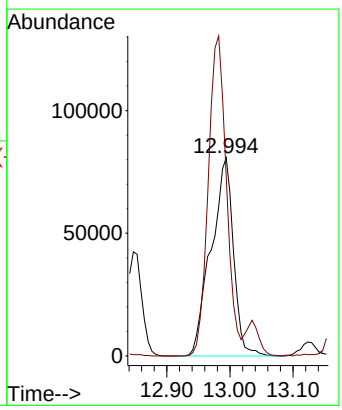


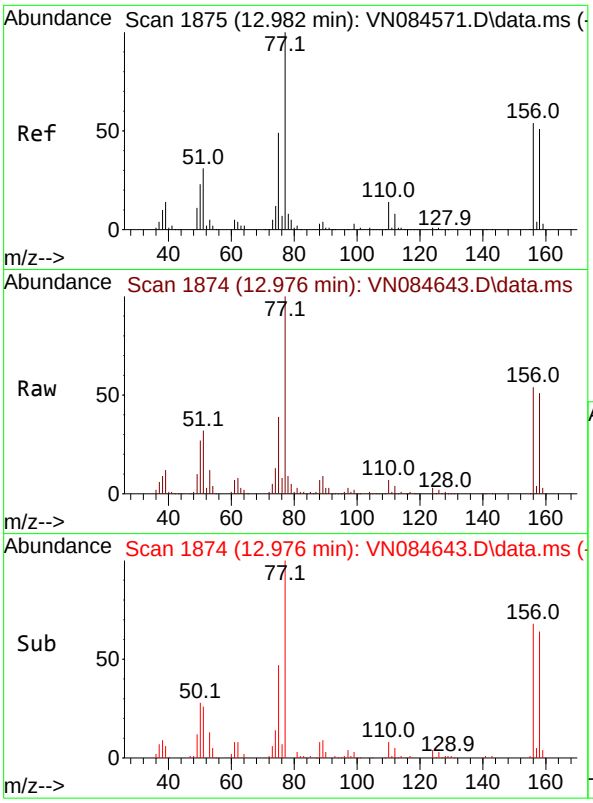


#76
1,2,3-Trichloropropane
Concen: 65.902 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 198796

Ion	Ratio	Lower	Upper
75	100		
77	130.9	96.9	290.7



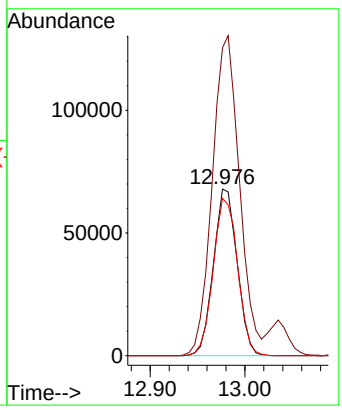


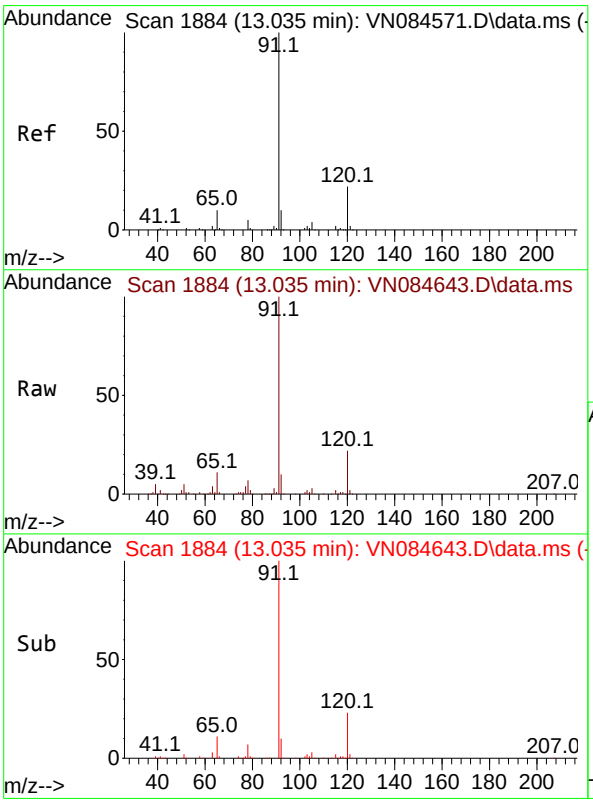
#77
Bromobenzene
Concen: 41.565 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 118165

Ion	Ratio	Lower	Upper
156	100		
77	220.2	115.1	345.3
158	97.4	48.9	146.8

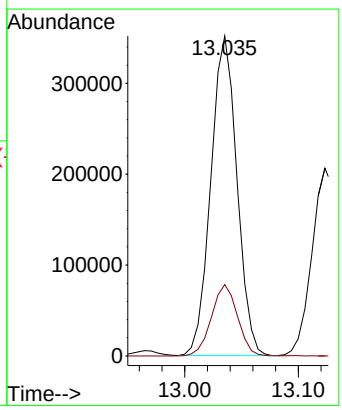


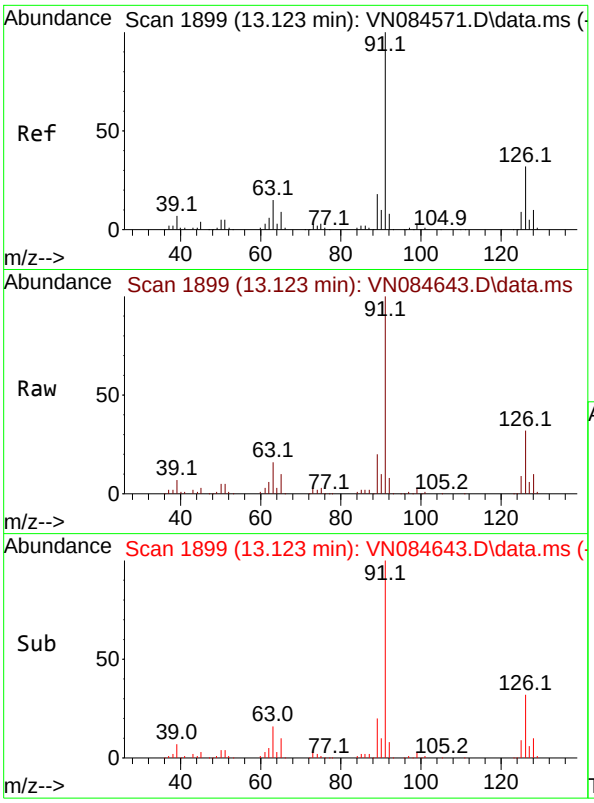


#78
n-propylbenzene
Concen: 45.341 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 561871

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4



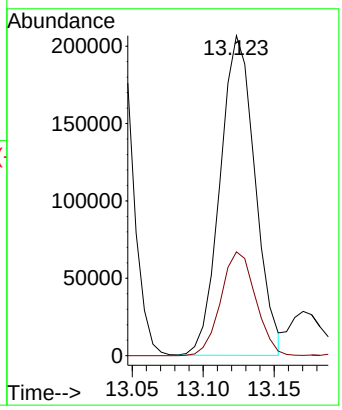


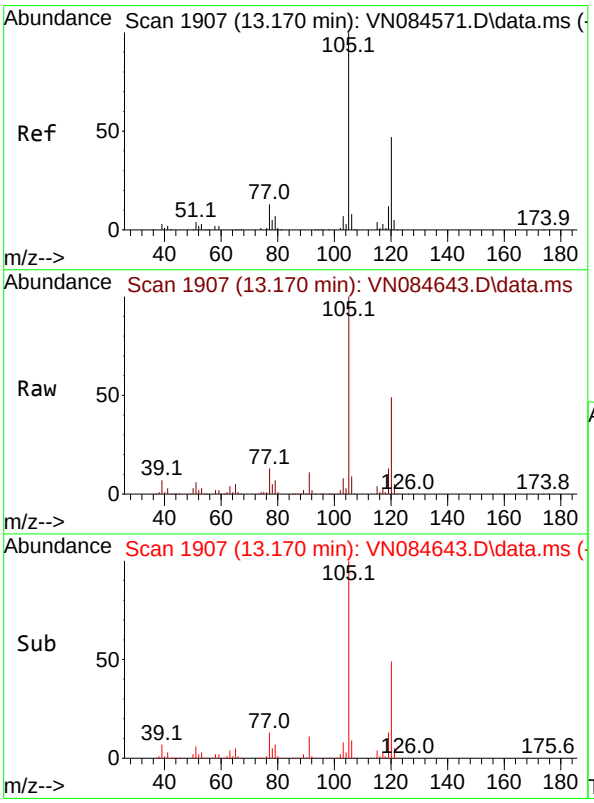
#79
2-Chlorotoluene
Concen: 43.676 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 353652

Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.7	47.1

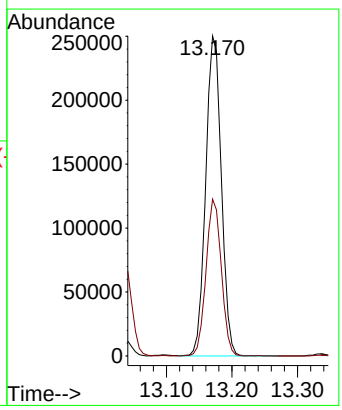


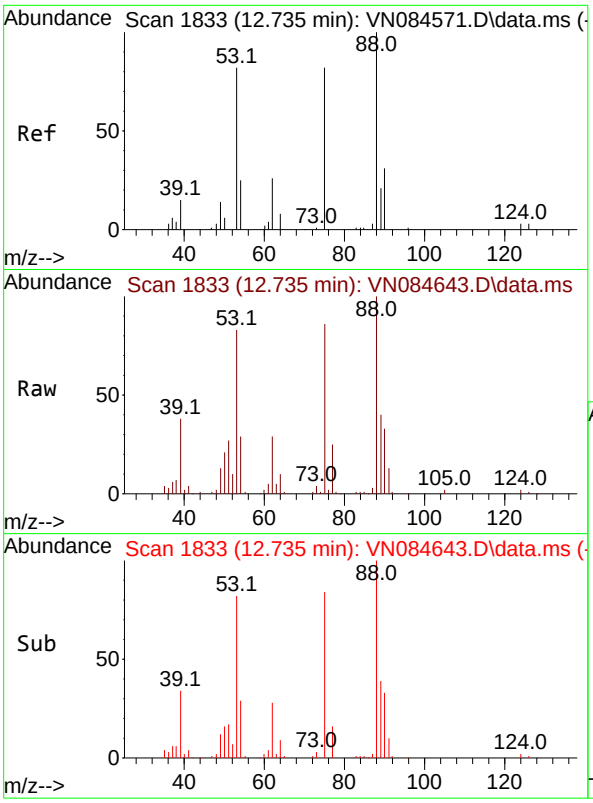


#80
1,3,5-Trimethylbenzene
Concen: 47.386 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 415331

Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.7	71.1



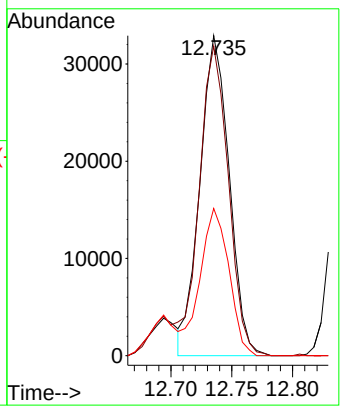


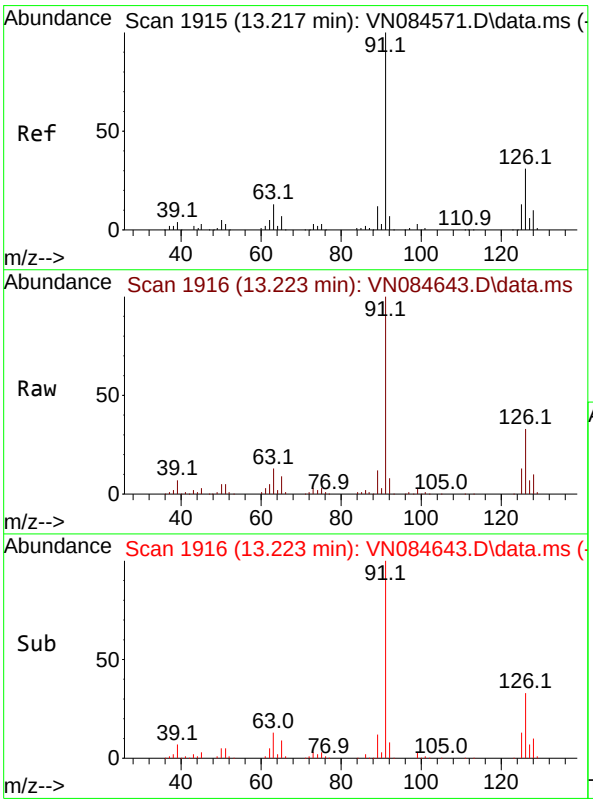
#81
trans-1,4-Dichloro-2-butene
Concen: 43.343 ug/l
RT: 12.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 55111

Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.0	117.0
89	45.8	35.5	53.3

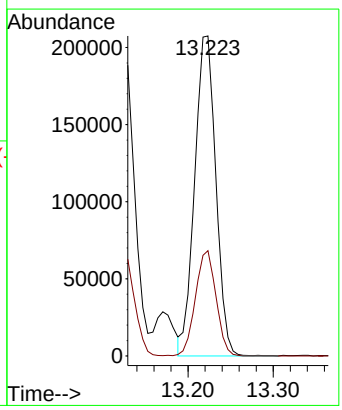


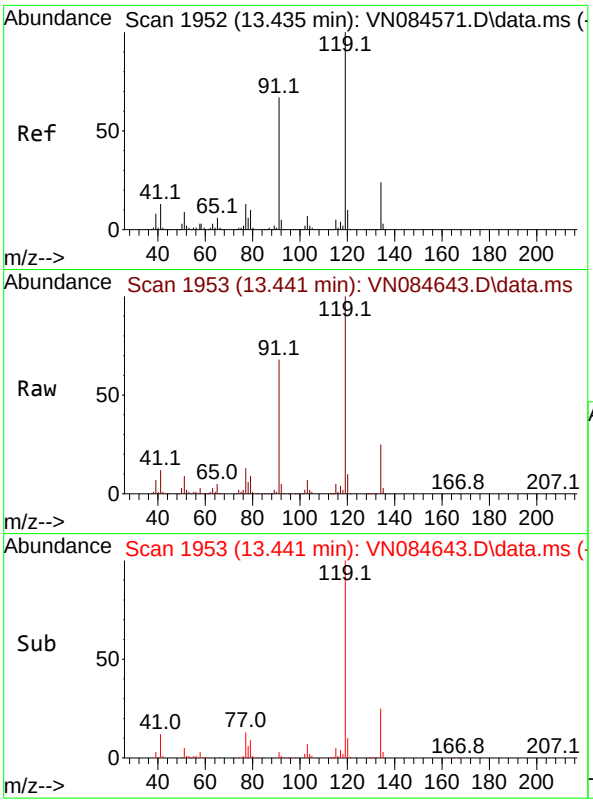


#82
4-Chlorotoluene
Concen: 42.079 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 91 Resp: 358576

Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.7	47.1



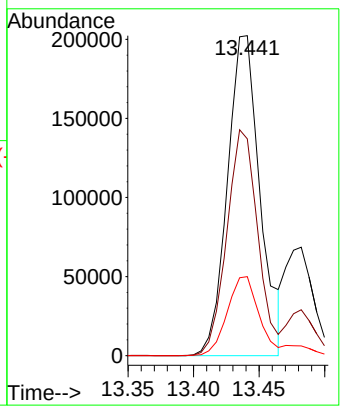


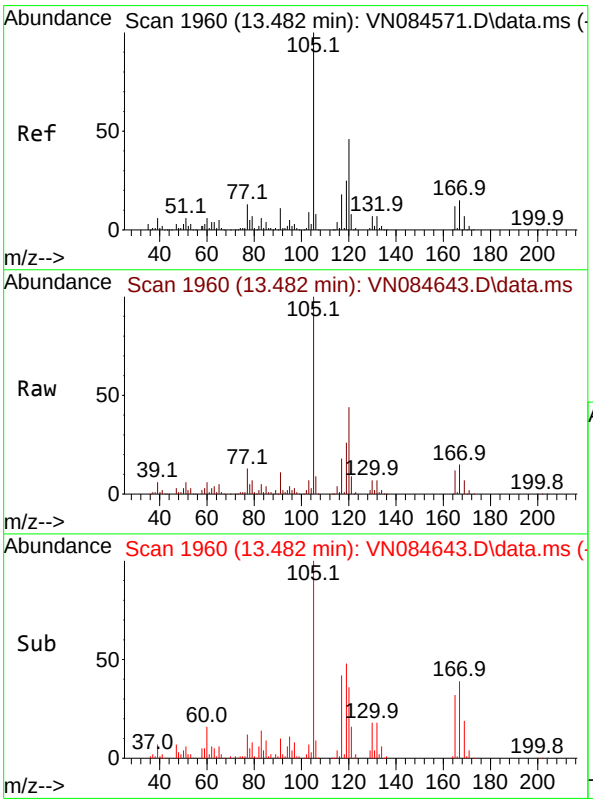
#83
tert-Butylbenzene
Concen: 48.297 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 350343

Ion	Ratio	Lower	Upper
119	100		
91	67.3	34.1	102.3
134	26.7	12.8	38.4

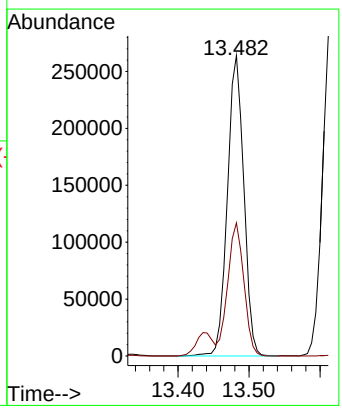


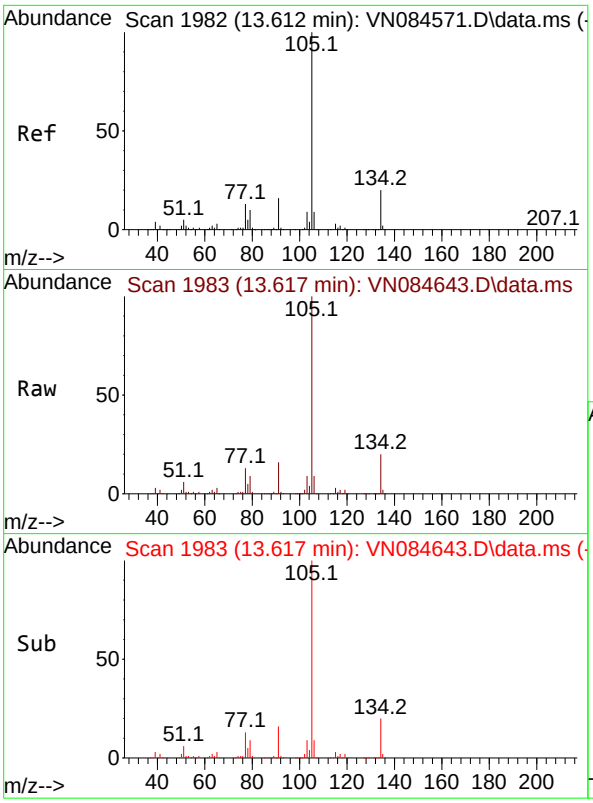


#84
1,2,4-Trimethylbenzene
Concen: 46.843 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:105 Resp: 423745

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.3	66.8



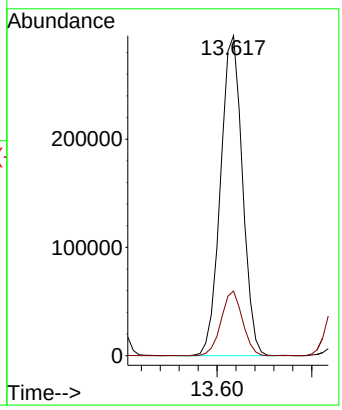


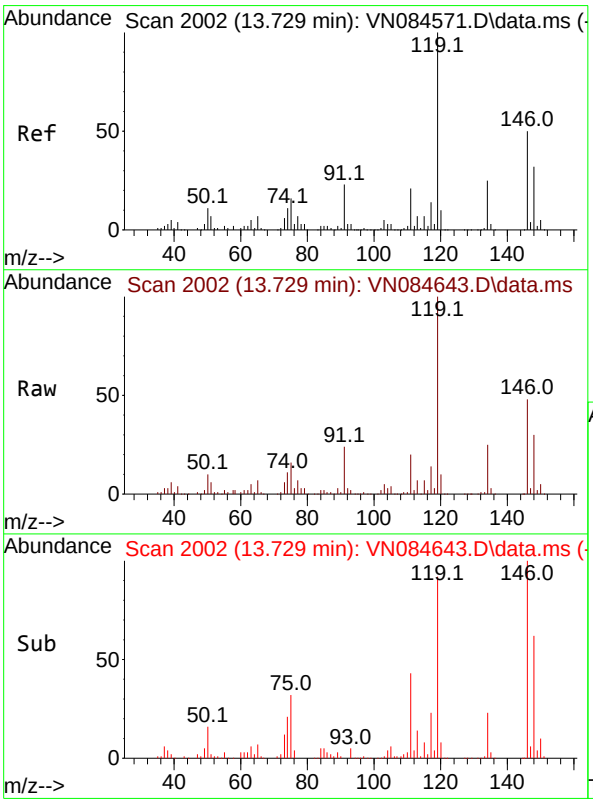
#85
sec-Butylbenzene
Concen: 46.404 ug/l
RT: 13.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 475480

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

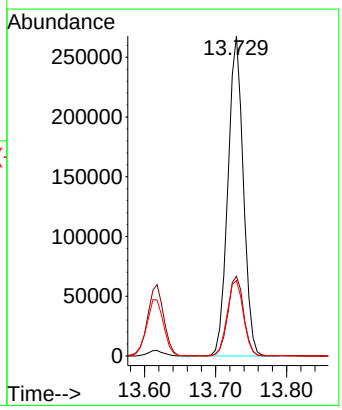


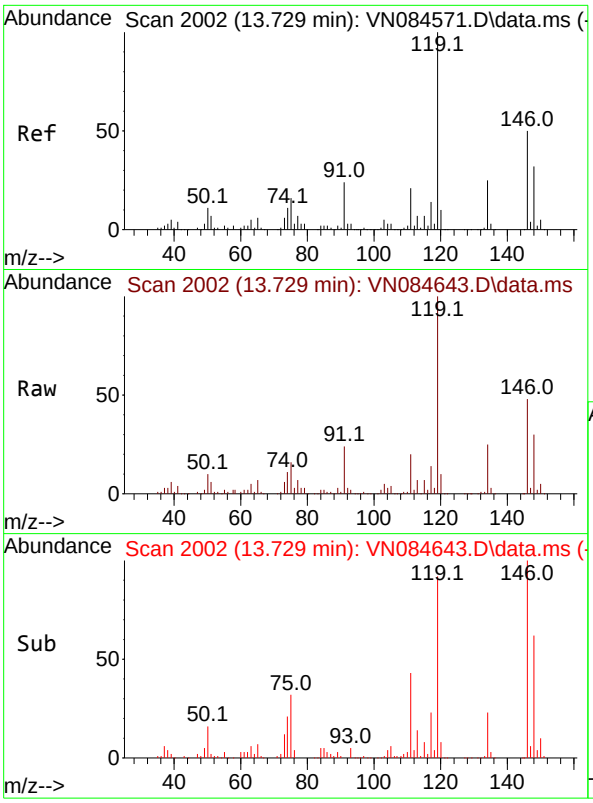


#86
p-Isopropyltoluene
Concen: 47.960 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:119 Resp: 403030

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.6	37.8
91	24.9	12.4	37.2



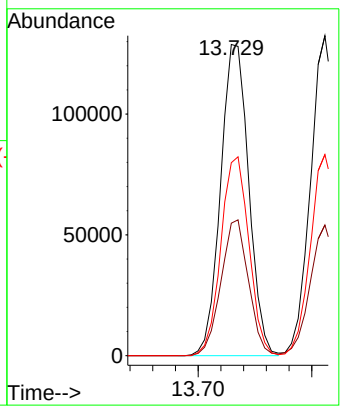


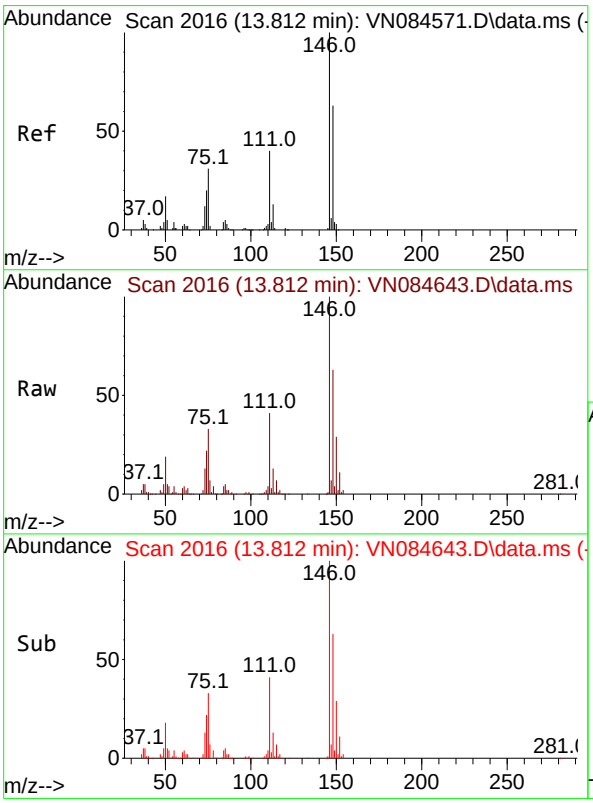
#87
1,3-Dichlorobenzene
Concen: 40.052 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 222216

Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.8	65.3
148	63.5	31.9	95.7

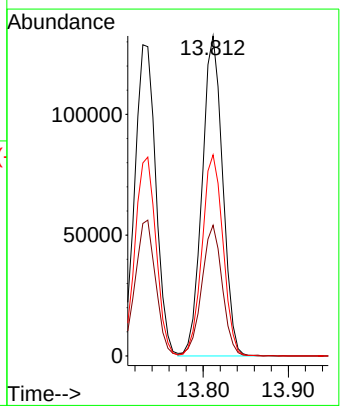


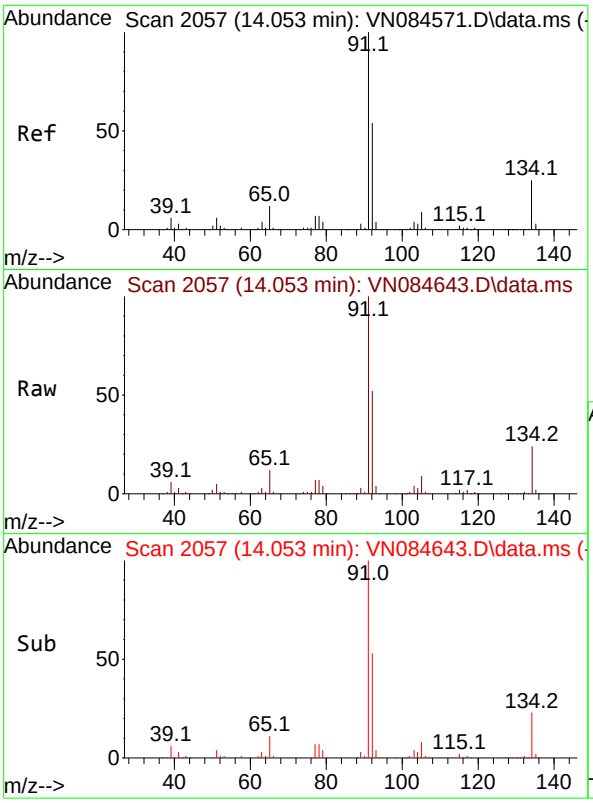


#88
1,4-Dichlorobenzene
Concen: 43.485 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:146 Resp: 222214

Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.2	63.6
148	64.0	31.9	95.9



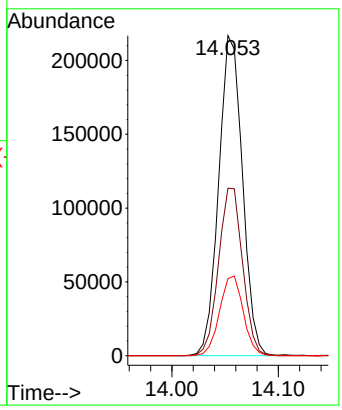


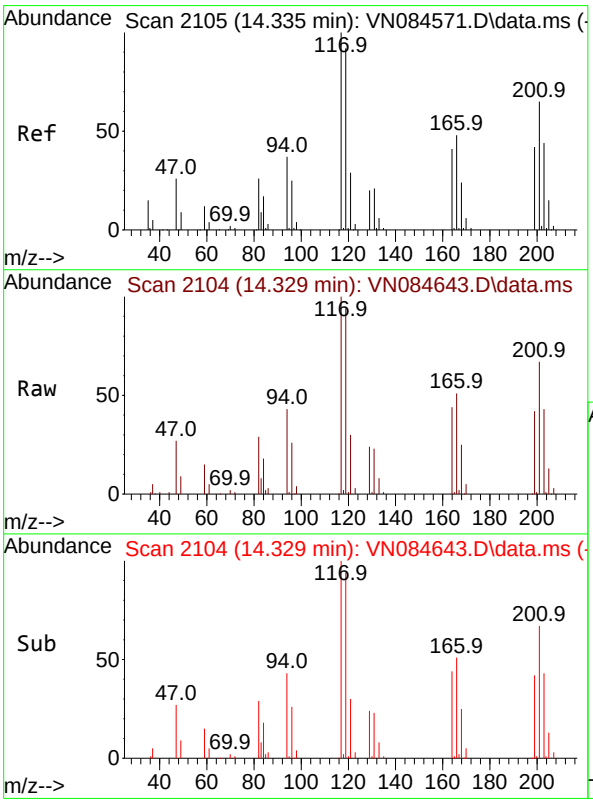
#89
n-Butylbenzene
Concen: 42.698 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 335644

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.6	79.7
134	24.8	12.3	36.9

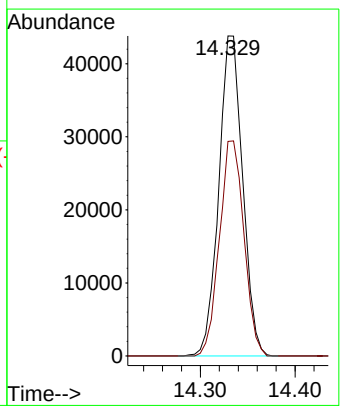


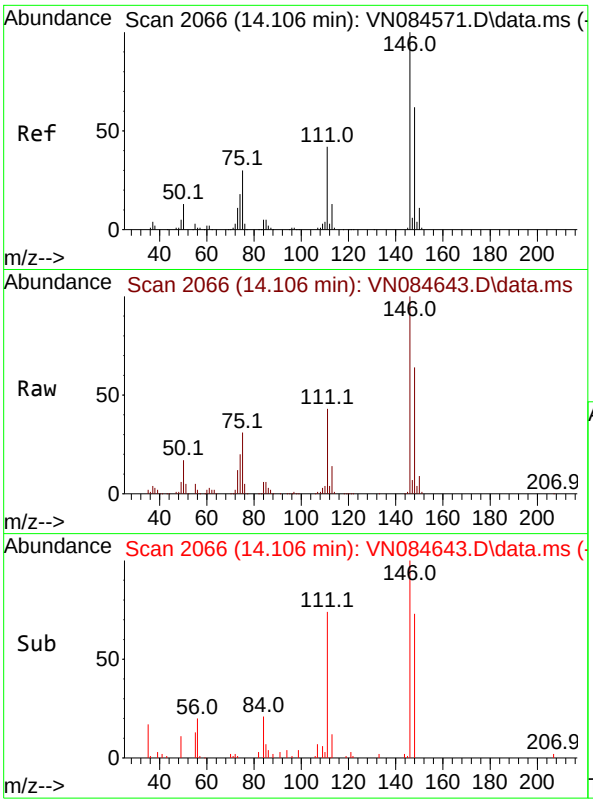


#90
Hexachloroethane
Concen: 40.948 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:117 Resp: 76738

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.4	103.2



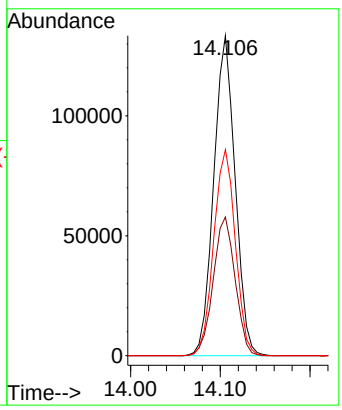


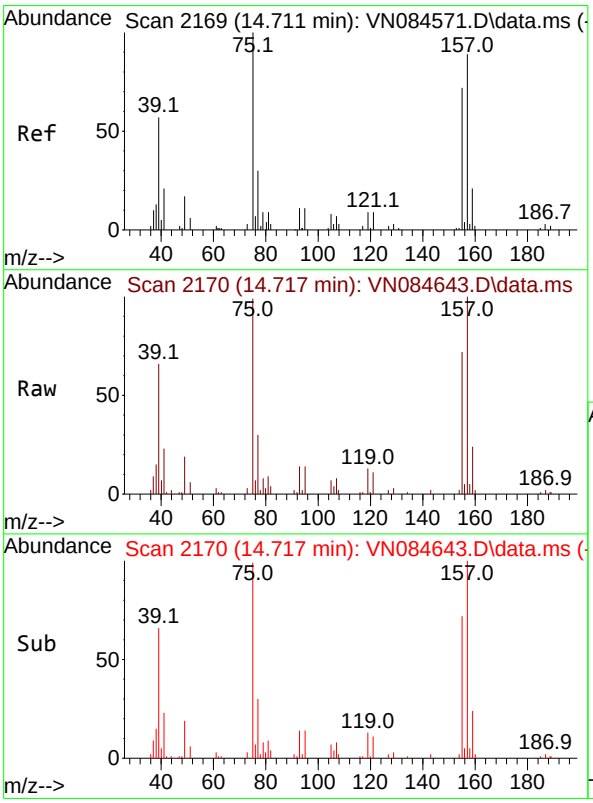
#91
1,2-Dichlorobenzene
Concen: 41.428 ug/l
RT: 14.106 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 220867

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.0	66.0
148	65.1	32.1	96.3

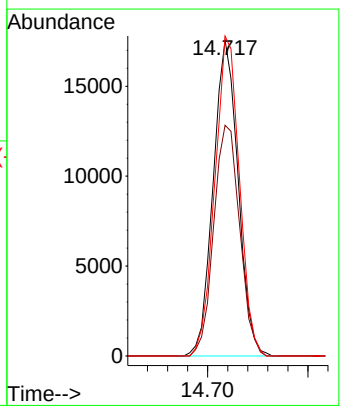


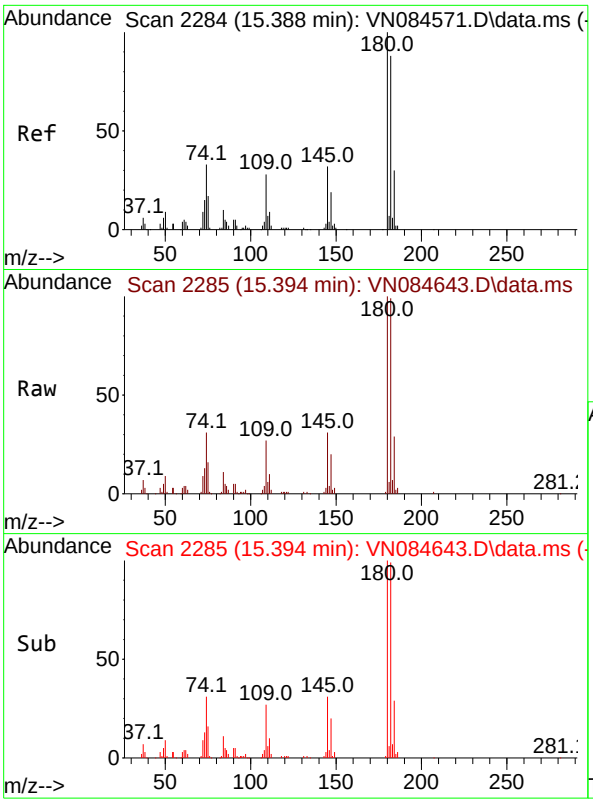


#92
1,2-Dibromo-3-Chloropropane
Concen: 42.277 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion: 75 Resp: 30232

Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.1	114.5
157	99.7	49.6	149.0



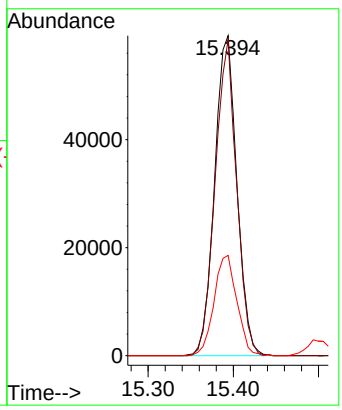


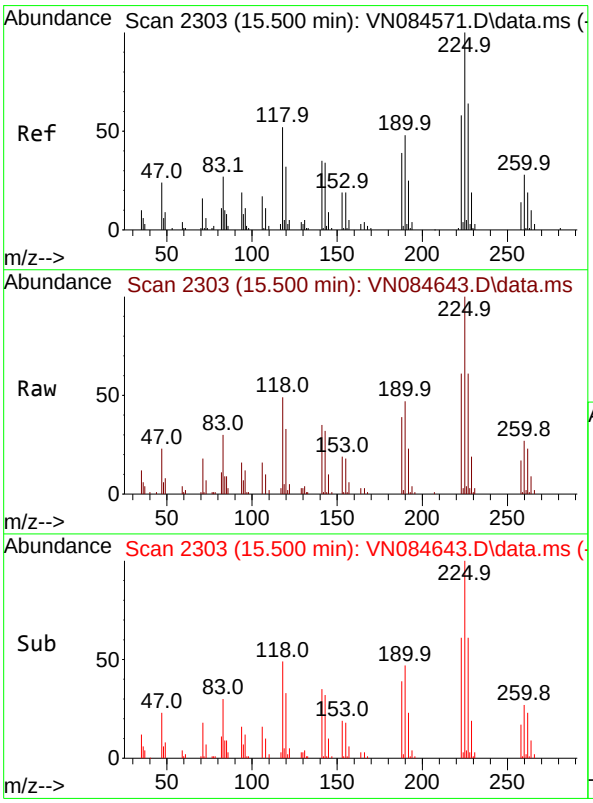
#93
1,2,4-Trichlorobenzene
Concen: 36.821 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 107448

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.0
145	32.2	16.4	49.4

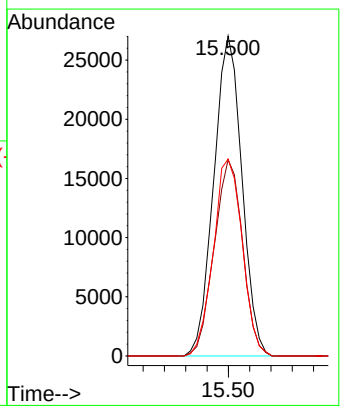


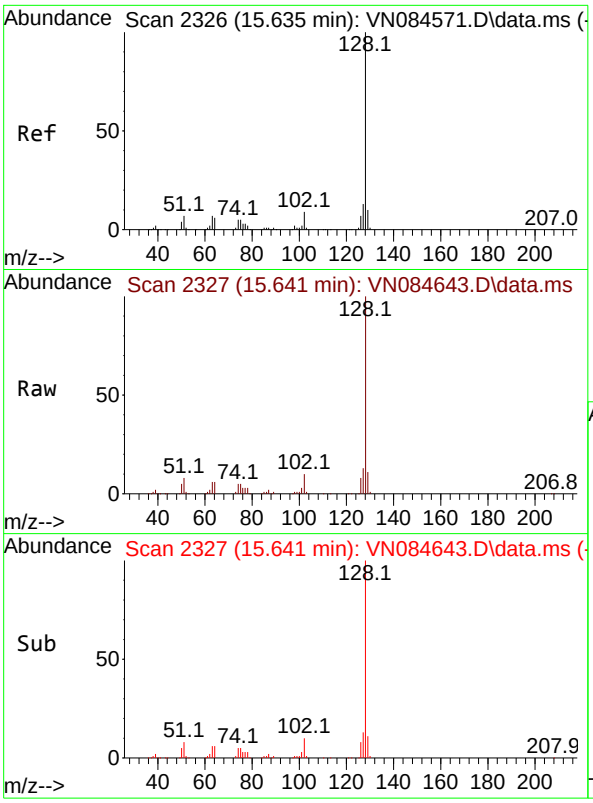


#94
Hexachlorobutadiene
Concen: 38.689 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:225 Resp: 49579

Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.4	97.2
227	63.1	32.4	97.0



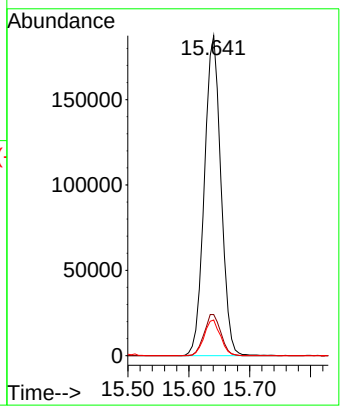


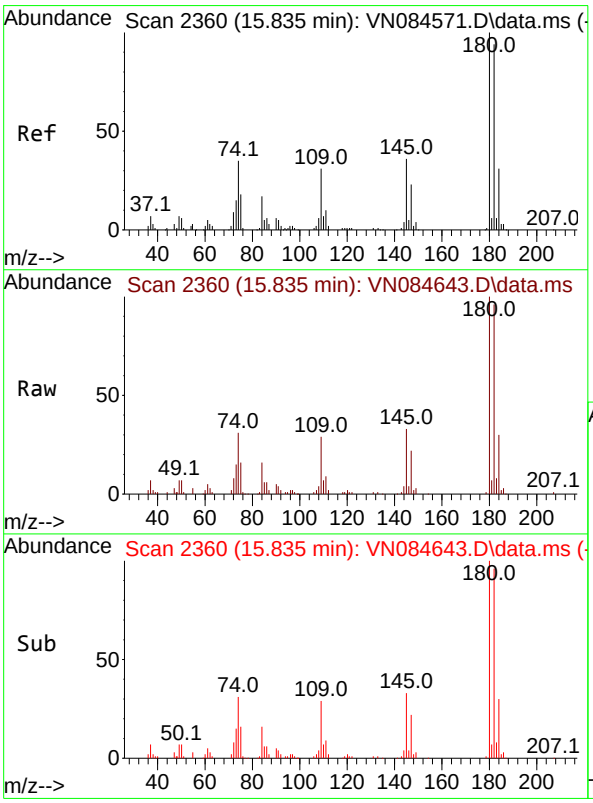
#95
Naphthalene
Concen: 40.533 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 354038

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1





#96
1,2,3-Trichlorobenzene
Concen: 37.587 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084643.D
Acq: 01 Nov 2024 17:07

Tgt Ion:180 Resp: 106474

Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.2	144.6
145	34.6	17.3	51.9

