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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FT MEADE TIPTON AIRFIELD PARCEL RI - PO 0111169

WESTON SOLUTIONS

1400 Weston Way

PO Box 2653

West Chester, PA - 19380

Phone No: 610-701-7400

ORDER ID : P5380

ATTENTION : Nathan Fretz

Laboratory Certification ID # 20012

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Cover Page

Order ID : P5380

Project ID : Ft Meade Tipton Airfield Parcel RI - PO 0111169

Client : Weston Solutions

Lab Sample Number	Client Sample Number
P5380-01	TAPIAL3-IDW-SOIL-122024-T1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1

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 10:06 am, Jan 09, 2025

Date : 1/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Weston Solutions
Project Name: Ft Meade Tipton Airfield Parcel RI - PO 0111169
Project # N/A
Chemtech Project # P5380
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/21/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Ignitability, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA and TCLP ZHE Extraction. This data package contains results for TCLP VOA.

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 TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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 Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount

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for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Calculation:

Water Calculation in ug/L

$$\frac{(A_x)(I_s)(Df)}{(A_{is})(RRF)(V_0)}$$

Where,
Ax = Area for the compound to be measured
Ais = Area for the specific internal standard
Is = Amount of internal standard added in nanograms (ng)
RRF = Relative response factor of the initial calibration curve standard.
Vo = Volume of water purged in milliliters (mL)
Df = Dilution factor.

G. 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 10:07 am, Jan 09, 2025

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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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5380 MATRIX: TCLP

METHOD: 8260D/1311

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The 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:

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

Trip Blank was not provided with this set of samples.

The not QT review data is reported in the Miscellaneous.

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

N. N. Pandya

QA REVIEW

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:07 am, Jan 09, 2025

Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5380

	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: MOHAMMAD AHMED **Date:** 01/02/2025

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LAB CHRONICLE

OrderID:	P5380	**OrderDate:**	12/23/2024 9:50:00 AM
Client:	Weston Solutions	**Project:**	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5380-02	**TAPIAL3-IDW-SOIL-122024-T1**	**TCLP**			**12/20/24**			**12/21/24**
			TCLP VOA	8260D			12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5380

Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TAPIAL3-IDW-SOIL-122024-T1**								
P5380-02	TAPIAL3-IDW-SO	TCLP	Chloroform	2.30	J	0.26	0.50	5.00	ug/L
			Total Voc :	2.30					
			Total Concentration:	2.30					

QC SUMMARY

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Surrogate Summary

SDG No.: P5380

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	1,2-Dichloroethane-d4	50	56.1	112	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	54.8	110	89	112
		4-Bromofluorobenzene	50	53.0	106	85	114
VN1227WBL01	VN1227WBL01	1,2-Dichloroethane-d4	50	55.9	112	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	53.1	106	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
VN1227WBS01	VN1227WBS01	1,2-Dichloroethane-d4	50	50.1	100	81	118
		Dibromofluoromethane	50	49.7	99	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
VN1227WBSD0	VN1227WBSD01	1,2-Dichloroethane-d4	50	54.3	108	81	118
		Dibromofluoromethane	50	50.8	102	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085330.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1227WBS01	Vinyl chloride	20	16.8	ug/L	84			58	137	
	1,1-Dichloroethene	20	17.4	ug/L	87			71	131	
	2-Butanone	100	96.2	ug/L	96			56	143	
	Carbon Tetrachloride	20	17.6	ug/L	88			72	136	
	Chloroform	20	17.4	ug/L	87			79	124	
	Benzene	20	17.5	ug/L	88			79	120	
	1,2-Dichloroethane	20	17.3	ug/L	86			73	128	
	Trichloroethene	20	16.8	ug/L	84			79	123	
	Tetrachloroethene	20	18.0	ug/L	90			74	129	
	Chlorobenzene	20	17.7	ug/L	89			82	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5380

Client: Weston Solutions

Analytical Method: SW8260D **Datafile :** VN085331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1227WBSD01	Vinyl chloride	20	18.6	ug/L	93	10		58	137	20
	1,1-Dichloroethene	20	18.6	ug/L	93	7		71	131	20
	2-Butanone	100	110	ug/L	110	14		56	143	20
	Carbon Tetrachloride	20	19.3	ug/L	97	10		72	136	20
	Chloroform	20	19.1	ug/L	96	10		79	124	20
	Benzene	20	19.5	ug/L	98	11		79	120	20
	1,2-Dichloroethane	20	19.7	ug/L	99	14		73	128	20
	Trichloroethene	20	18.5	ug/L	93	10		79	123	20
	Tetrachloroethene	20	18.9	ug/L	95	5		74	129	20
	Chlorobenzene	20	18.6	ug/L	93	4		82	118	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1227WBL01

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab File ID: VN085329.D Lab Sample ID: VN1227WBL01

Date Analyzed: 12/27/2024 Time Analyzed: 16:33

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1227WBS01	VN1227WBS01	VN085330.D	12/27/2024
VN1227WBSD01	VN1227WBSD01	VN085331.D	12/27/2024
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	VN085334.D	12/27/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab File ID: VN085320.D BFB Injection Date: 12/27/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:52

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	22.4
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	73.2 (99) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085321.D	12/27/2024	10:26
VSTDICCC050	VSTDICCC050	VN085322.D	12/27/2024	10:50
VSTDICC020	VSTDICC020	VN085323.D	12/27/2024	11:13
VSTDICC010	VSTDICC010	VN085324.D	12/27/2024	11:37
VSTDICC005	VSTDICC005	VN085325.D	12/27/2024	12:01
VSTDICC001	VSTDICC001	VN085326.D	12/27/2024	12:48
VN1227WBL01	VN1227WBL01	VN085329.D	12/27/2024	16:33
VN1227WBS01	VN1227WBS01	VN085330.D	12/27/2024	16:57
VN1227WBSD01	VN1227WBSD01	VN085331.D	12/27/2024	17:30
TAPIAL3-IDW-SOIL-122024-T1	P5380-02	VN085334.D	12/27/2024	18:42
VSTDCCC050EC	VSTDCCC050	VN085337.D	12/27/2024	19:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab File ID: VN085322.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_N Time Analyzed: 10:50

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	155532	8.22	278404	9.09	240680	11.86
UPPER LIMIT	311064	8.718	556808	9.594	481360	12.359
LOWER LIMIT	77766	7.718	139202	8.594	120340	11.359
EPA SAMPLE NO.						
TAPIAL3-IDW-SOIL-122024-T1	141875	8.22	270279	9.10	246031	11.87
VN1227WBL01	146718	8.22	272578	9.10	232422	11.87
VN1227WBS01	170735	8.22	303482	9.10	253770	11.87
VN1227WBSD01	144320	8.22	258119	9.10	226359	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG NO.: P5380

Lab File ID: VN085322.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_N Time Analyzed: 10:50

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

	IS4 AREA #	RT #				
12 HOUR STD	113462	13.788				
UPPER LIMIT	226924	14.288				
LOWER LIMIT	56731	13.288				
EPA SAMPLE NO.						
TAPIAL3-IDW-SOIL-122024-T1	98028	13.79				
VN1227WBL01	90060	13.79				
VN1227WBS01	111138	13.79				
VN1227WBSD01	101437	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:	Weston Solutions	Date Collected:	12/20/24
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	12/21/24
Client Sample ID:	TAPIAL3-IDW-SOIL-122024-T1	SDG No.:	P5380
Lab Sample ID:	P5380-02	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085334.D	1		12/27/24 18:42	VN122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	2.30	J	0.26	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.2		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	54.8		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	142000	8.224				
540-36-3	1,4-Difluorobenzene	270000	9.1				
3114-55-4	Chlorobenzene-d5	246000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	98000	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\VN122724\
Data File : VN085334.D
Acq On : 27 Dec 2024 18:42
Operator : JC\MD
Sample : P5380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Quant Time: Dec 28 01:45:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

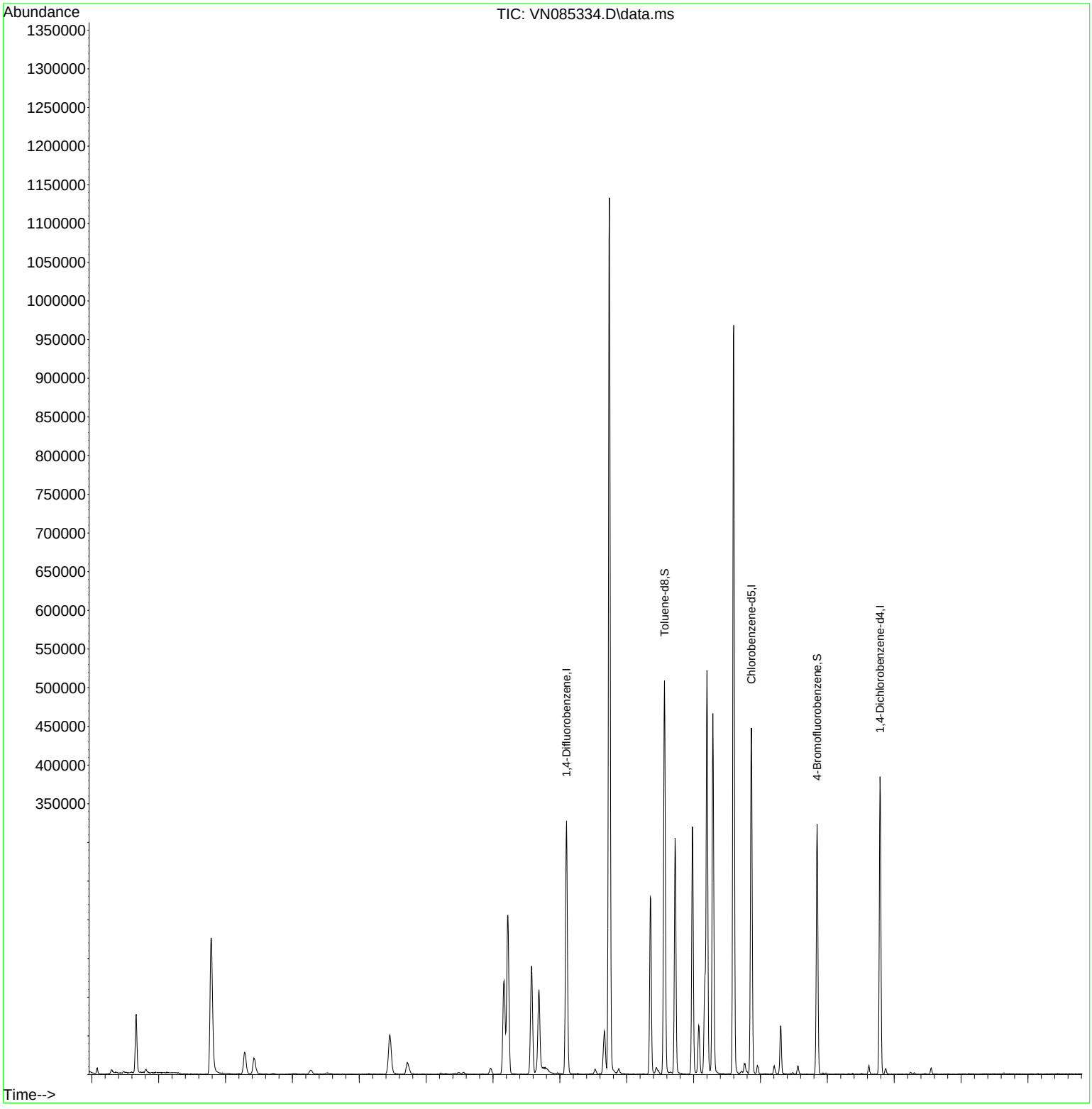
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	141875	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	270279	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	246031	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98028	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	113623	56.151	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.300%				
35) Dibromofluoromethane	8.165	113	88760	52.641	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%				
50) Toluene-d8	10.565	98	338827	54.761	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.520%				
62) 4-Bromofluorobenzene	12.847	95	108857	52.974	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.940%				
Target Compounds							Qvalue
16) Acetone	4.424	43	40975	61.580	ug/l		99
20) Methylene Chloride	5.277	84	4228	2.362	ug/l		88
30) Chloroform	7.965	83	7841	2.340	ug/l	#	73
43) Isopropyl Acetate	8.688	43	131400	32.521	ug/l	#	87

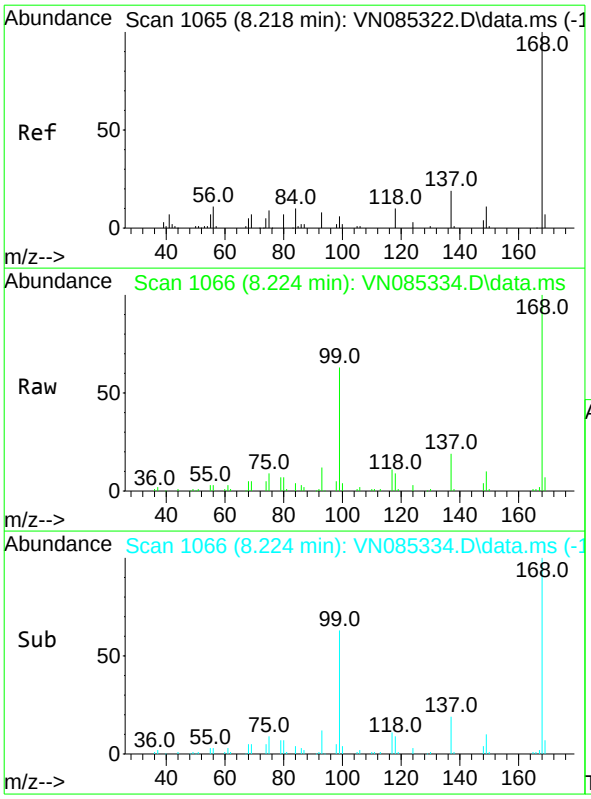
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085334.D
Acq On : 27 Dec 2024 18:42
Operator : JC\MD
Sample : P5380-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Quant Time: Dec 28 01:45:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



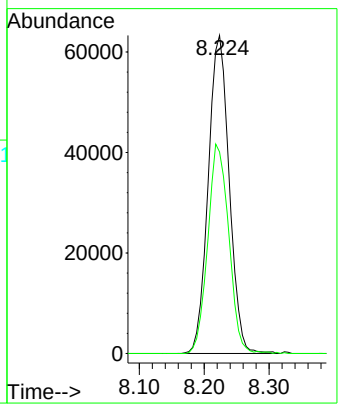


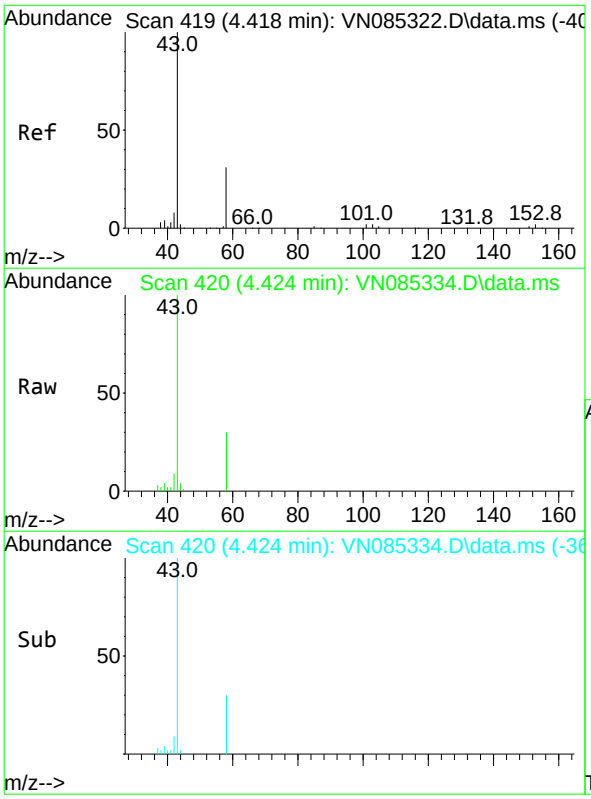
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:168 Resp: 141875

Ion	Ratio	Lower	Upper
168	100		
99	63.4	51.0	76.4

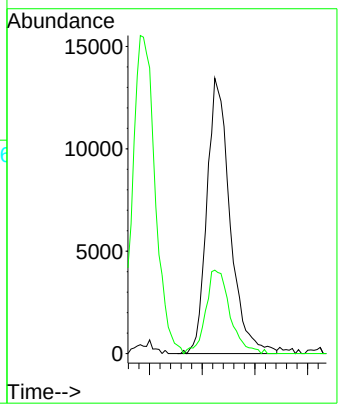


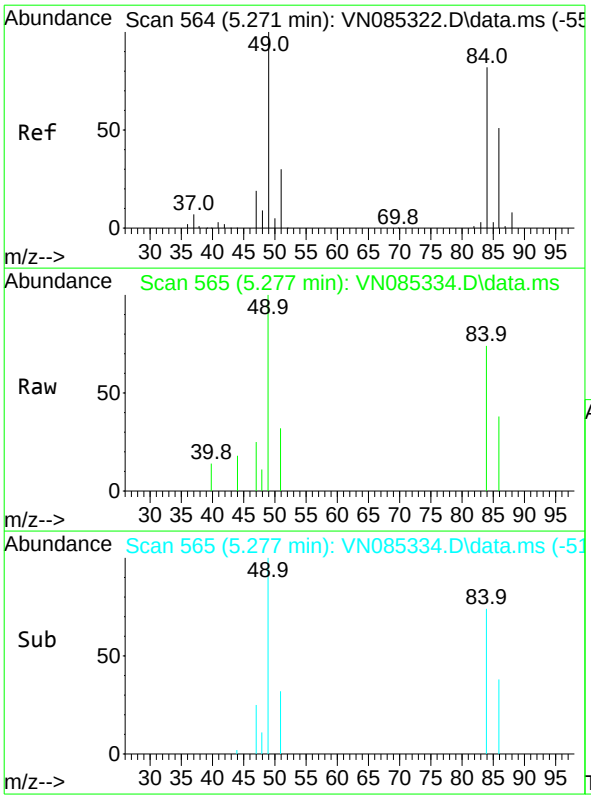


#16
Acetone
Concen: 61.580 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 43 Resp: 40975

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.5	36.7



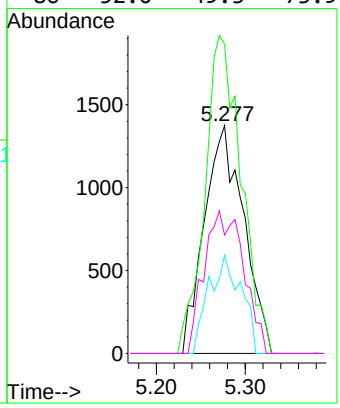


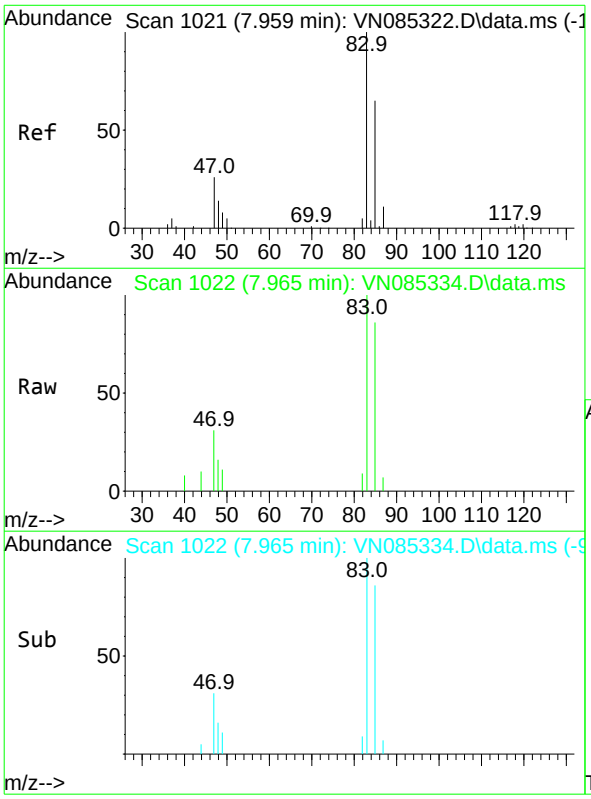
#20
Methylene Chloride
Concen: 2.362 ug/l
RT: 5.277 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 84 Resp: 4228

Ion	Ratio	Lower	Upper
84	100		
49	135.7	97.6	146.4
51	43.0	29.1	43.7
86	52.0	49.3	73.9

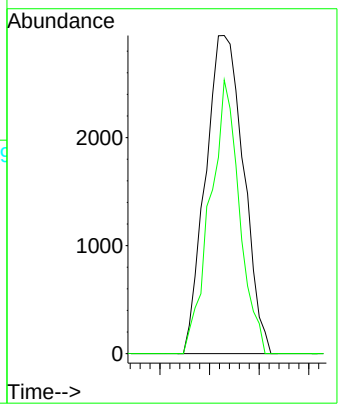


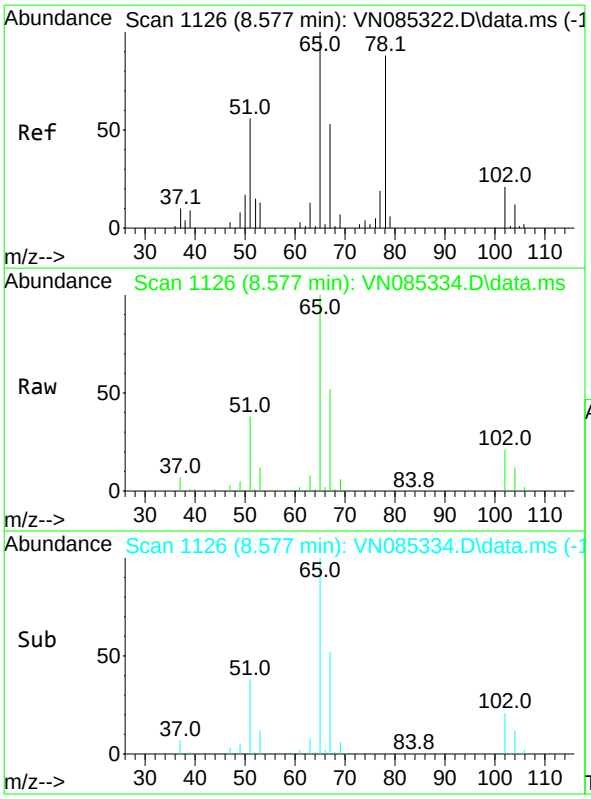


#30
Chloroform
Concen: 2.340 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 83 Resp: 7841

Ion	Ratio	Lower	Upper
83	100		
85	86.0	52.0	78.0#



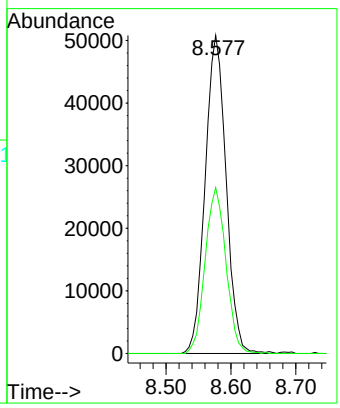


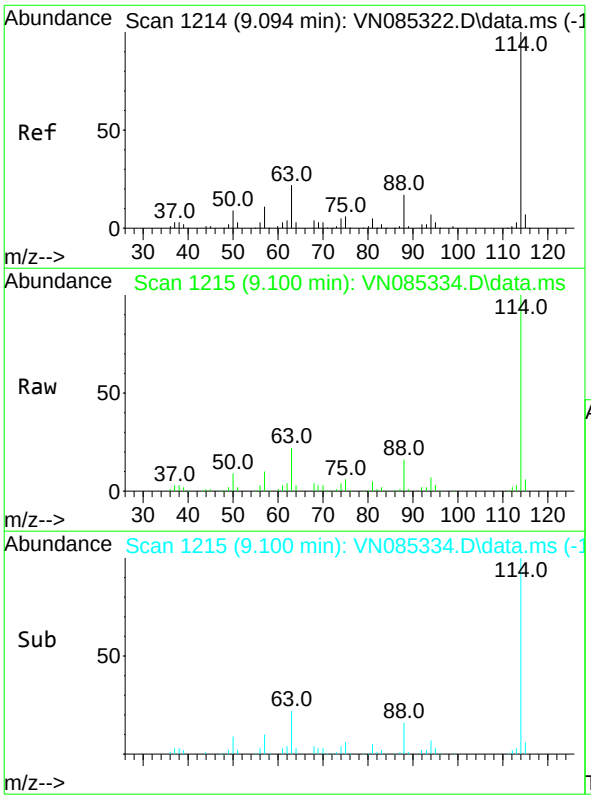
#33
1,2-Dichloroethane-d4
Concen: 56.151 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 65 Resp: 113623

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.0

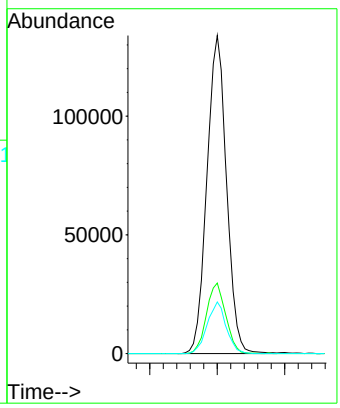


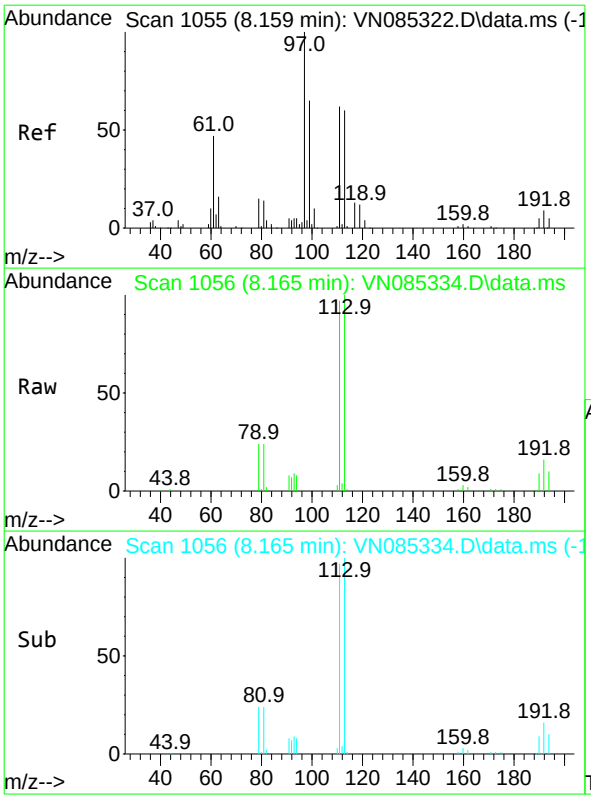


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion:114 Resp: 270279

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.4
88	16.2	0.0	33.6



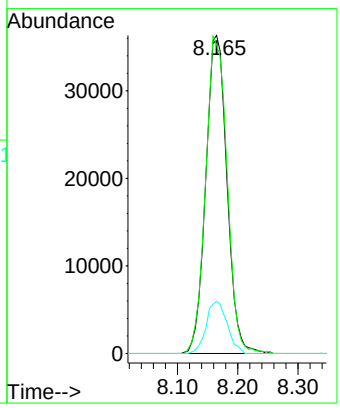


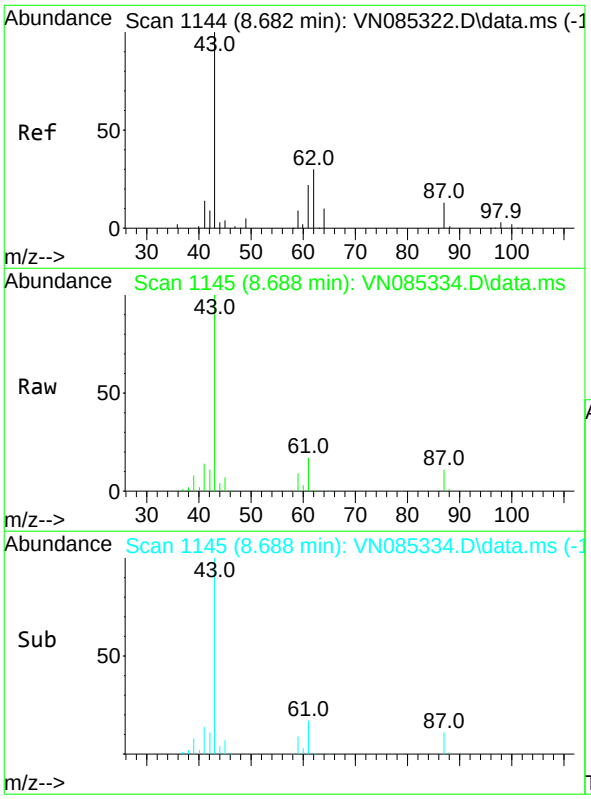
#35
Dibromofluoromethane
Concen: 52.641 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:113 Resp: 88760

Ion	Ratio	Lower	Upper
113	100		
111	101.2	80.5	120.7
192	16.2	12.9	19.3

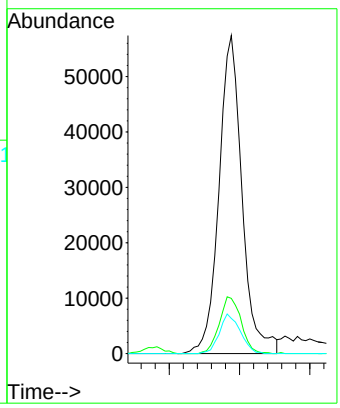


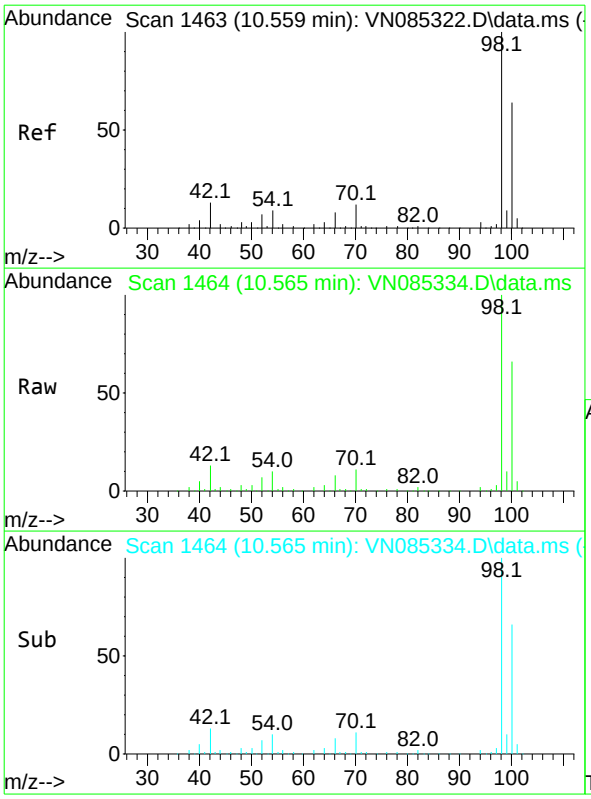


#43
Isopropyl Acetate
Concen: 32.521 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 43 Resp: 131400

Ion	Ratio	Lower	Upper
43	100		
61	16.8	20.8	31.2#
87	11.2	10.2	15.4



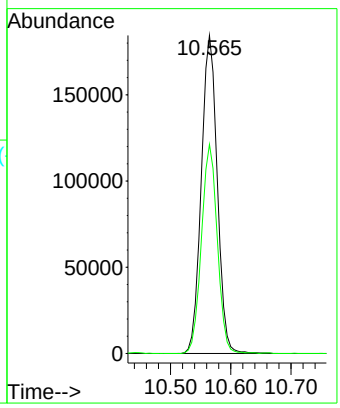


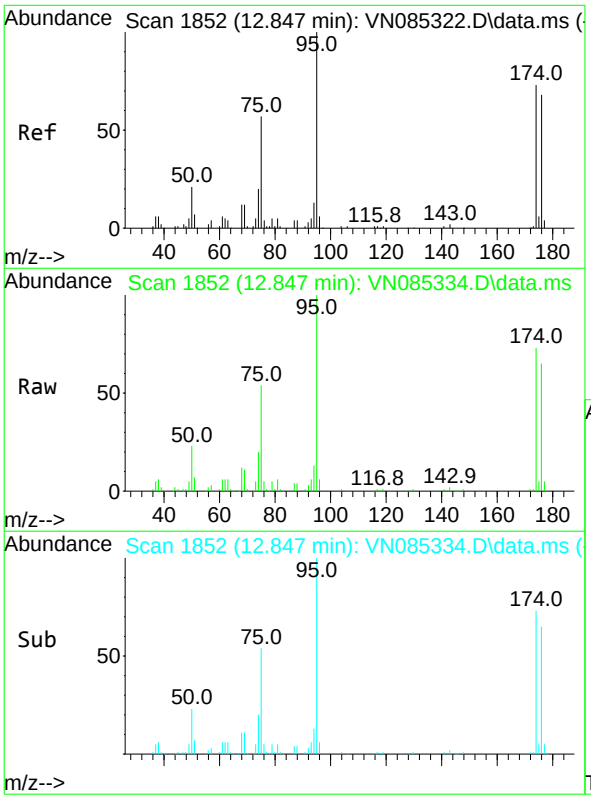
#50
Toluene-d8
Concen: 54.761 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion: 98 Resp: 338827

Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.5	77.3

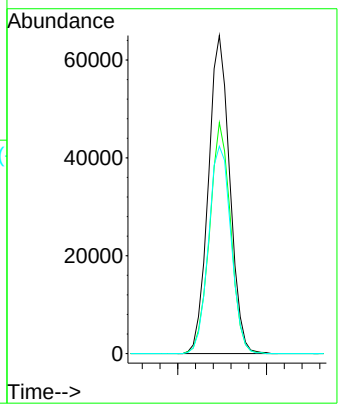


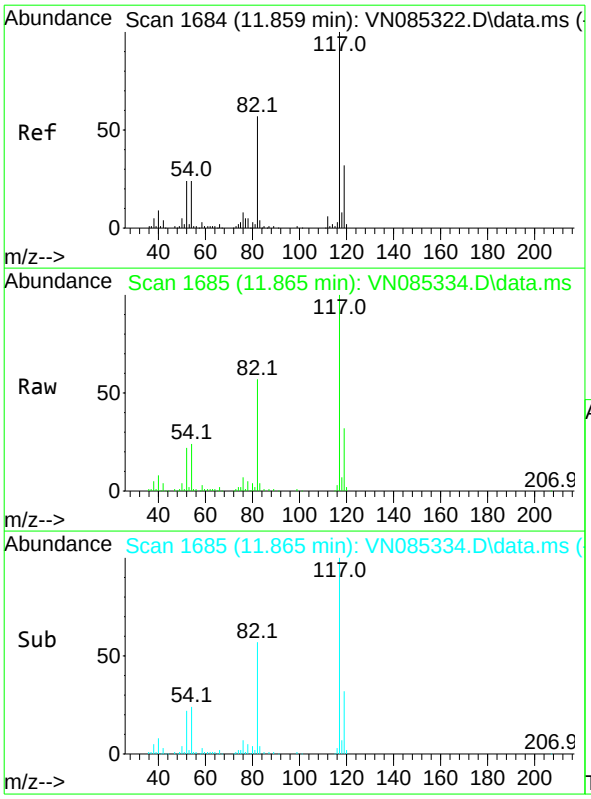


#62
4-Bromofluorobenzene
Concen: 52.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion: 95 Resp: 108857

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	143.2
176	68.5	0.0	135.8



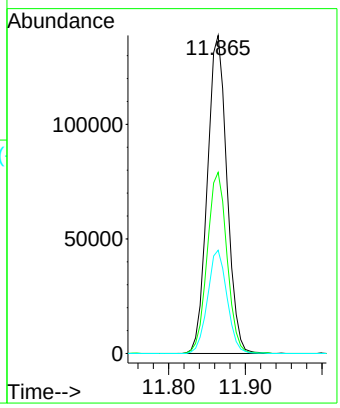


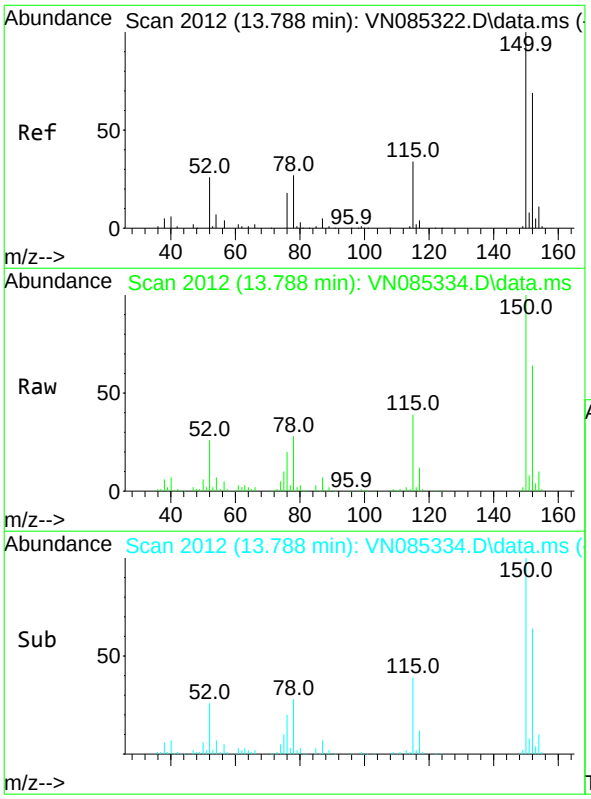
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL3-IDW-SOIL-122024-T1

Tgt Ion:117 Resp: 246031

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.7	68.5
119	32.5	25.8	38.8

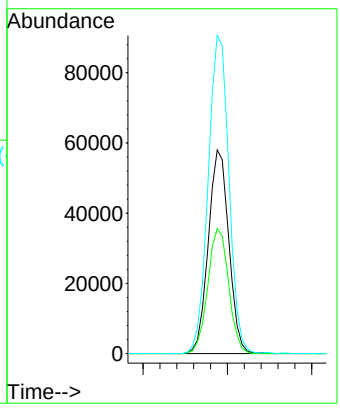




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085334.D
Acq: 27 Dec 2024 18:42

Tgt Ion:152 Resp: 98028

Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.4	91.3
150	158.1	0.0	345.0



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: MSVOA_N Calibration Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:26 12:48

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

LAB FILE ID: RRF100 = VN085321.D RRF050 = VN085322.D RRF020 = VN085323.D
RRF010 = VN085324.D RRF005 = VN085325.D RRF001 = VN085326.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.766	0.758	0.827	0.781	0.831	0.859	0.804	5.1
1,1-Dichloroethene	0.549	0.538	0.584	0.539	0.598	0.526	0.556	5.1
2-Butanone	0.357	0.367	0.390	0.362	0.368	0.339	0.364	4.5
Carbon Tetrachloride	0.516	0.502	0.534	0.491	0.492	0.452	0.498	5.5
Chloroform	1.155	1.133	1.244	1.161	1.160	1.233	1.181	3.9
Benzene	1.412	1.377	1.481	1.356	1.387	1.273	1.381	4.9
1,2-Dichloroethane	0.489	0.473	0.546	0.494	0.493	0.475	0.495	5.3
Trichloroethene	0.328	0.311	0.345	0.310	0.324	0.344	0.327	4.7
Tetrachloroethene	0.321	0.312	0.344	0.331	0.323	0.270	0.317	8.1
Chlorobenzene	1.080	1.049	1.131	1.031	1.067	1.124	1.080	3.7
1,2-Dichloroethane-d4	0.715	0.717	0.684	0.692	0.757		0.713	4
Dibromofluoromethane	0.315	0.317	0.293	0.304	0.330		0.312	4.5
Toluene-d8	1.189	1.161	1.070	1.075	1.229		1.145	6.1
4-Bromofluorobenzene	0.407	0.401	0.362	0.347	0.383		0.380	6.6

* 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 : 82N122724W.M
Title : SW846 8260
Last Update : Sat Dec 28 01:36:16 2024
Response Via : Initial Calibration

Calibration Files
1 =VN085326.D 5 =VN085325.D 10 =VN085324.D 20 =VN085323.D 50 =VN085322.D 100 =VN085321.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.649	0.674	0.699	0.658	0.699	0.677	0.676	3.04
3)	P	Chloromethane	0.980	0.744	0.739	0.737	0.686	0.674	0.760	14.72
4)	C	Vinyl Chloride	0.859	0.831	0.781	0.827	0.758	0.766	0.804	5.12#
5)	T	Bromomethane		0.590	0.540	0.535	0.481	0.481	0.526	8.73
6)	T	Chloroethane	0.522	0.534	0.516	0.515	0.482	0.490	0.510	3.87
7)	T	Trichlorofluor...	1.055	1.078	1.074	1.089	1.022	1.023	1.057	2.72
8)	T	Diethyl Ether	0.283	0.363	0.361	0.373	0.357	0.362	0.350	9.45
9)	T	1,1,2-Trichlor...	0.592	0.634	0.614	0.605	0.578	0.584	0.601	3.44
10)	T	Methyl Iodide		0.666	0.666	0.722	0.716	0.709	0.696	3.92
11)	T	Tert butyl alc...		0.096	0.092	0.093	0.086	0.080	0.089	7.11
12)	CM	1,1-Dichloroet...	0.526	0.598	0.539	0.584	0.538	0.549	0.556	5.11#
13)	T	Acrolein		0.153	0.142	0.140	0.130	0.131	0.139	6.69
14)	T	Allyl chloride	0.915	0.890	0.900	0.909	0.855	0.867	0.889	2.65
15)	T	Acrylonitrile	0.277	0.278	0.286	0.298	0.275	0.273	0.281	3.29
16)	T	Acetone	0.250	0.234	0.233	0.250	0.223	0.218	0.235	5.60
17)	T	Carbon Disulfide	2.016	1.702	1.607	1.730	1.536	1.551	1.690	10.52
18)	T	Methyl Acetate	0.729	0.719	0.728	0.746	0.696	0.689	0.718	3.03
19)	T	Methyl tert-bu...	1.581	1.786	1.790	1.934	1.869	1.876	1.806	6.86
20)	T	Methylene Chlo...	0.645	0.643	0.624	0.653	0.613	0.606	0.631	3.02
21)	T	trans-1,2-Dich...	0.573	0.590	0.569	0.618	0.565	0.567	0.580	3.52
22)	T	Diisopropyl ether	1.602	1.980	1.910	2.062	1.946	1.997	1.916	8.47
23)	T	Vinyl Acetate	1.125	1.346	1.357	1.576	1.428	1.485	1.386	11.09
24)	P	1,1-Dichloroet...	1.143	1.170	1.141	1.209	1.119	1.145	1.154	2.72
25)	T	2-Butanone	0.339	0.368	0.362	0.390	0.367	0.357	0.364	4.51
26)	T	2,2-Dichloropr...	0.878	1.057	0.995	1.089	1.029	1.021	1.011	7.21
27)	T	cis-1,2-Dichlo...	0.649	0.662	0.654	0.731	0.691	0.701	0.681	4.72
28)	T	Bromochloromet...	0.457	0.594	0.535	0.540	0.532	0.560	0.536	8.40
29)	T	Tetrahydrofuran	0.204	0.230	0.238	0.255	0.239	0.240	0.234	7.19
30)	C	Chloroform	1.233	1.160	1.161	1.244	1.133	1.155	1.181	3.86#
31)	T	Cyclohexane		1.196	1.055	1.056	0.979	0.984	1.054	8.30
32)	T	1,1,1-Trichlor...	1.055	1.062	1.047	1.099	1.022	1.043	1.055	2.44
33)	S	1,2-Dichloroet...		0.757	0.692	0.684	0.717	0.715	0.713	3.99
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.330	0.304	0.293	0.317	0.315	0.312	4.48
36)	T	1,1-Dichloropr...	0.424	0.457	0.442	0.476	0.461	0.480	0.457	4.59
37)	T	Ethyl Acetate	0.486	0.443	0.467	0.475	0.416	0.436	0.454	5.87
38)	T	Carbon Tetrach...	0.452	0.492	0.491	0.534	0.502	0.516	0.498	5.52
39)	T	Methylcyclohexane	0.387	0.450	0.450	0.513	0.504	0.540	0.474	11.72
40)	TM	Benzene	1.273	1.387	1.356	1.481	1.377	1.412	1.381	4.95
41)	T	Methacrylonitrile	0.183	0.237	0.242	0.245	0.236	0.251	0.232	10.70
42)	TM	1,2-Dichloroet...	0.475	0.493	0.494	0.546	0.473	0.489	0.495	5.33
43)	T	Isopropyl Acetate	0.732	0.720	0.721	0.789	0.745	0.778	0.747	3.94
44)	TM	Trichloroethene	0.344	0.324	0.310	0.345	0.311	0.328	0.327	4.66
45)	C	1,2-Dichloropr...	0.336	0.348	0.351	0.377	0.339	0.353	0.351	4.09#
46)	T	Dibromomethane	0.221	0.250	0.248	0.256	0.240	0.247	0.244	4.98
47)	T	Bromodichlorom...	0.459	0.511	0.510	0.529	0.505	0.526	0.507	4.99
48)	T	Methyl methacr...	0.267	0.316	0.313	0.353	0.343	0.354	0.324	10.19
49)	T	1,4-Dioxane	0.003	0.005	0.005	0.006	0.005	0.005	0.005	19.47
50)	S	Toluene-d8		1.229	1.075	1.070	1.161	1.189	1.145	6.12
51)	T	4-Methyl-2-Pen...	0.338	0.417	0.427	0.462	0.434	0.442	0.420	10.25
52)	CM	Toluene	0.674	0.829	0.810	0.892	0.846	0.881	0.822	9.57#
53)	T	t-1,3-Dichloro...	0.398	0.498	0.483	0.526	0.529	0.555	0.498	11.10
54)	T	cis-1,3-Dichlo...	0.457	0.528	0.526	0.585	0.555	0.582	0.539	8.82
55)	T	1,1,2-Trichlor...	0.297	0.328	0.298	0.320	0.306	0.314	0.310	4.02

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N122724W.M

56)	T	Ethyl methacry...	0.324	0.391	0.455	0.508	0.503	0.532	0.452	17.74
57)	T	1,3-Dichloropr...	0.467	0.553	0.537	0.590	0.555	0.567	0.545	7.67
58)	T	2-Chloroethyl ...	0.145	0.218	0.232	0.226	0.242	0.249	0.219	17.21
59)	T	2-Hexanone	0.226	0.281	0.294	0.327	0.308	0.313	0.291	12.24
60)	T	Dibromochlorom...	0.269	0.349	0.346	0.378	0.371	0.385	0.350	12.13
61)	T	1,2-Dibromoethane	0.263	0.305	0.309	0.335	0.313	0.318	0.307	7.82
62)	S	4-Bromofluorob...		0.383	0.347	0.362	0.401	0.407	0.380	6.65
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.270	0.323	0.331	0.344	0.312	0.321	0.317	8.07
65)	PM	Chlorobenzene	1.124	1.067	1.031	1.131	1.049	1.080	1.080	3.72
66)	T	1,1,1,2-Tetrac...	0.349	0.348	0.351	0.391	0.363	0.374	0.363	4.71
67)	C	Ethyl Benzene	1.546	1.729	1.715	1.944	1.877	1.970	1.797	9.06#
68)	T	m/p-Xylenes	0.473	0.644	0.634	0.740	0.709	0.746	0.658	15.51
69)	T	o-Xylene	0.504	0.602	0.611	0.703	0.689	0.708	0.636	12.49
70)	T	Styrene	0.730	0.964	0.964	1.172	1.147	1.209	1.031	17.58
71)	P	Bromoform	0.207	0.243	0.247	0.275	0.263	0.273	0.251	10.05
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.674	3.684	3.596	3.983	3.731	3.905	3.596	13.17
74)	T	N-amyl acetate	1.279	1.432	1.485	1.733	1.621	1.685	1.539	11.17
75)	P	1,1,2,2-Tetrac...	1.201	1.176	1.149	1.196	1.064	1.085	1.145	5.09
76)	T	1,2,3-Trichlor...	1.109	0.938	0.957	0.944	0.829	0.825	0.934	11.12
77)	T	Bromobenzene	0.946	0.886	0.890	0.919	0.838	0.865	0.891	4.28
78)	T	n-propylbenzene	3.243	3.958	4.259	4.661	4.393	4.634	4.191	12.70
79)	T	2-Chlorotoluene	2.156	2.724	2.688	2.903	2.636	2.719	2.638	9.57
80)	T	1,3,5-Trimethy...	2.072	2.880	2.958	3.284	3.066	3.190	2.908	14.97
81)	T	trans-1,4-Dich...		0.341	0.375	0.416	0.403	0.414	0.390	8.16
82)	T	4-Chlorotoluene	2.310	2.665	2.661	2.919	2.642	2.743	2.657	7.47
83)	T	tert-Butylbenzene	1.985	2.504	2.508	2.774	2.597	2.748	2.519	11.35
84)	T	1,2,4-Trimethy...	2.047	2.720	2.895	3.346	3.120	3.248	2.896	16.41
85)	T	sec-Butylbenzene	2.492	3.443	3.538	3.851	3.740	3.917	3.497	14.99
86)	T	p-Isopropyltol...	1.790	2.616	2.851	3.231	3.081	3.324	2.816	20.05
87)	T	1,3-Dichlorobe...	1.523	1.655	1.555	1.732	1.580	1.645	1.615	4.74
88)	T	1,4-Dichlorobe...	1.732	1.666	1.602	1.753	1.568	1.633	1.659	4.39
89)	T	n-Butylbenzene	2.134	2.364	2.417	2.818	2.723	2.908	2.561	11.76
90)	T	Hexachloroethane	0.509	0.560	0.551	0.606	0.596	0.618	0.573	7.12
91)	T	1,2-Dichlorobe...	1.382	1.543	1.592	1.672	1.513	1.529	1.538	6.22
92)	T	1,2-Dibromo-3-...	0.189	0.212	0.200	0.224	0.202	0.195	0.204	6.07
93)	T	1,2,4-Trichlor...	0.731	0.752	0.732	0.825	0.761	0.805	0.768	5.07
94)	T	Hexachlorobuta...	0.417	0.412	0.375	0.400	0.340	0.345	0.381	8.89
95)	T	Naphthalene	2.951	2.381	2.441	2.756	2.528	2.564	2.603	8.20
96)	T	1,2,3-Trichlor...	0.728	0.787	0.768	0.811	0.746	0.763	0.767	3.82

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	156166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	274313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	239296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	223438	100.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 200.620%#			
35) Dibromofluoromethane	8.159	113	173043	101.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 202.240%#			
50) Toluene-d8	10.565	98	652176	103.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 207.700%#			
62) 4-Bromofluorobenzene	12.847	95	223549	107.189	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 214.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	211530	100.154	ug/l	98
3) Chloromethane	2.359	50	210461	88.661	ug/l	95
4) Vinyl Chloride	2.512	62	239141	95.258	ug/l	97
5) Bromomethane	2.948	94	150300	91.543	ug/l	95
6) Chloroethane	3.118	64	153144	96.191	ug/l	98
7) Trichlorofluoromethane	3.500	101	319456	96.803	ug/l	98
8) Diethyl Ether	3.953	74	113060	103.470	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	182437	97.166	ug/l	98
10) Methyl Iodide	4.589	142	221288	101.834	ug/l	96
11) Tert butyl alcohol	5.512	59	125490	449.925	ug/l	98
12) 1,1-Dichloroethene	4.342	96	171462	98.802	ug/l	99
13) Acrolein	4.171	56	204340	469.915	ug/l	97
14) Allyl chloride	5.018	41	270904	97.537	ug/l	99
15) Acrylonitrile	5.712	53	425762	485.009	ug/l	99
16) Acetone	4.418	43	340922	465.473	ug/l	98
17) Carbon Disulfide	4.712	76	484441	91.760	ug/l	100
18) Methyl Acetate	5.018	43	215207	95.974	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	586031	103.894	ug/l	99
20) Methylene Chloride	5.271	84	189358	96.119	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	177119	97.703	ug/l	99
22) Diisopropyl ether	6.665	45	623798	104.224	ug/l	99
23) Vinyl Acetate	6.594	43	2319612	539.108	ug/l	98
24) 1,1-Dichloroethane	6.559	63	357527	99.165	ug/l	99
25) 2-Butanone	7.471	43	557035	490.229	ug/l	99
26) 2,2-Dichloropropane	7.488	77	318743	100.909	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	218963	102.909	ug/l	97
28) Bromochloromethane	7.806	49	174969	104.430	ug/l #	98
29) Tetrahydrofuran	7.830	42	374323	511.419	ug/l	99
30) Chloroform	7.959	83	360866	97.837	ug/l	98
31) Cyclohexane	8.253	56	307196	93.310	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	325760	98.891	ug/l	97
36) 1,1-Dichloropropene	8.365	75	263076	104.994	ug/l	99
37) Ethyl Acetate	7.553	43	239186	96.040	ug/l	99
38) Carbon Tetrachloride	8.359	117	282846	103.563	ug/l	97
39) Methylcyclohexane	9.594	83	296114	113.903	ug/l	98
40) Benzene	8.600	78	774590	102.248	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	137768	108.014 ug/l	99
42) 1,2-Dichloroethane	8.665	62	268298	98.781 ug/l	99
43) Isopropyl Acetate	8.682	43	426602	104.030 ug/l	100
44) Trichloroethene	9.347	130	179832	100.266 ug/l	97
45) 1,2-Dichloropropane	9.618	63	193438	100.585 ug/l	99
46) Dibromomethane	9.700	93	135558	101.355 ug/l	99
47) Bromodichloromethane	9.882	83	288439	103.761 ug/l	98
48) Methyl methacrylate	9.677	41	194022	109.038 ug/l	98
49) 1,4-Dioxane	9.688	88	56273	2096.049 ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	1211949	525.905 ug/l	99
52) Toluene	10.624	92	483534	107.195 ug/l	100
53) t-1,3-Dichloropropene	10.829	75	304711	111.463 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	319172	107.971 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	172065	101.034 ug/l	96
56) Ethyl methacrylate	10.871	69	292009	117.730 ug/l	99
57) 1,3-Dichloropropane	11.159	76	311119	104.087 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	682916	569.087 ug/l	99
59) 2-Hexanone	11.188	43	858322	536.829 ug/l	99
60) Dibromochloromethane	11.353	129	211482	110.251 ug/l	98
61) 1,2-Dibromoethane	11.465	107	174500	103.568 ug/l	99
64) Tetrachloroethene	11.100	164	153652	101.335 ug/l	97
65) Chlorobenzene	11.888	112	516861	99.951 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	179160	103.229 ug/l	99
67) Ethyl Benzene	11.959	91	942995	109.652 ug/l	100
68) m/p-Xylenes	12.065	106	713871	226.828 ug/l	100
69) o-Xylene	12.394	106	338950	111.332 ug/l	98
70) Styrene	12.406	104	578718	117.286 ug/l	99
71) Bromoform	12.570	173	130453	108.523 ug/l #	100
73) Isopropylbenzene	12.688	105	865504	108.621 ug/l	100
74) N-amyl acetate	12.488	43	373392	109.477 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	240405	94.731 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	182933m	85.937 ug/l	
77) Bromobenzene	12.976	156	191802	97.157 ug/l	99
78) n-propylbenzene	13.029	91	1026870	110.557 ug/l	100
79) 2-Chlorotoluene	13.123	91	602668	103.099 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	706917	109.682 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	91679	106.602 ug/l	98
82) 4-Chlorotoluene	13.217	91	607903	103.257 ug/l	100
83) tert-Butylbenzene	13.435	119	608882	109.059 ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	719806	112.160 ug/l	98
85) sec-Butylbenzene	13.612	105	867992	112.004 ug/l	100
86) p-Isopropyltoluene	13.723	119	736735	100.116 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	364480	101.845 ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	361871	98.438 ug/l	100
89) n-Butylbenzene	14.053	91	644347	113.544 ug/l	99
90) Hexachloroethane	14.329	117	136982	107.835 ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	338794	99.377 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43244	95.745 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	178476	104.895 ug/l	100
94) Hexachlorobutadiene	15.494	225	76348	90.312 ug/l	99
95) Naphthalene	15.635	128	568171	98.477 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	168986	99.403 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

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

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

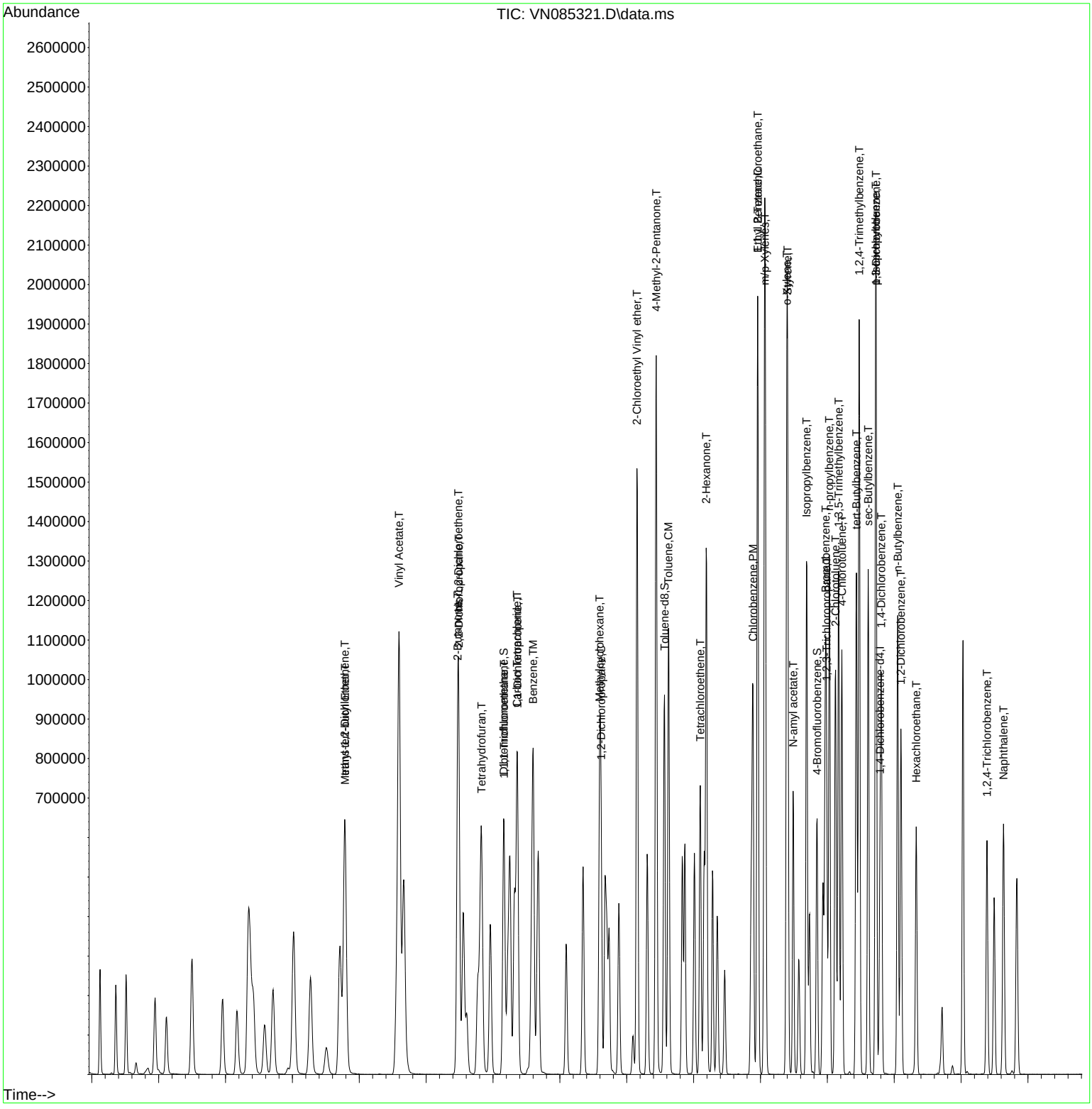
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

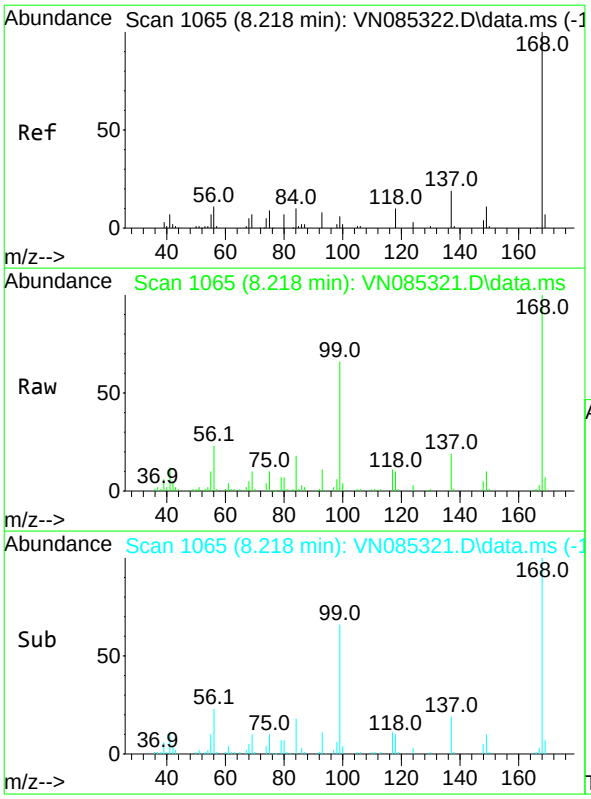
Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

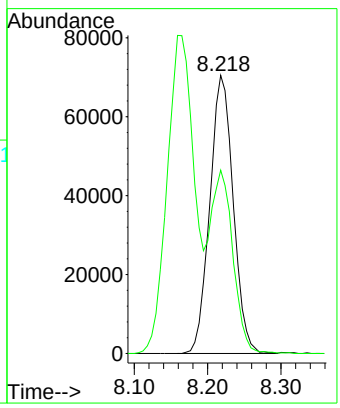




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:168 Resp: 156166

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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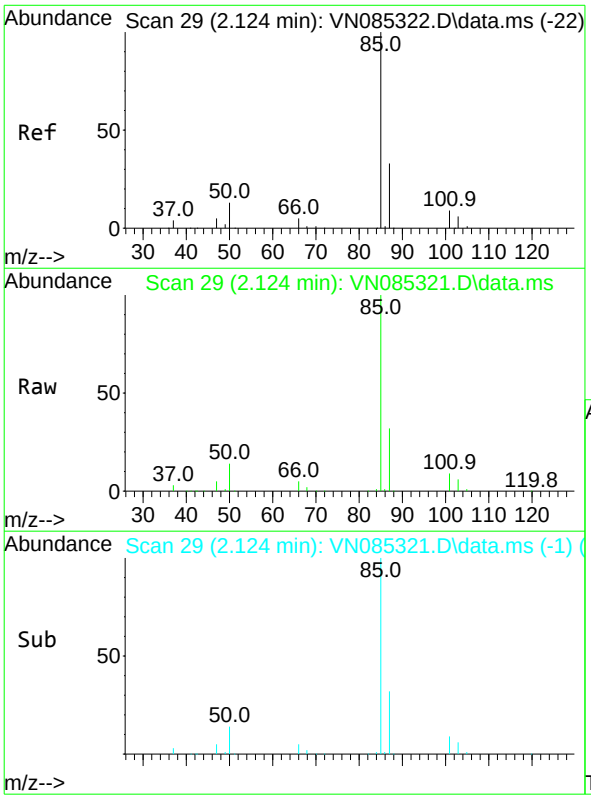
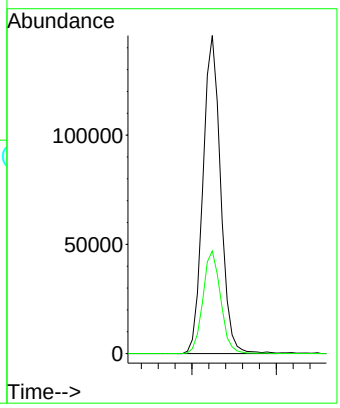
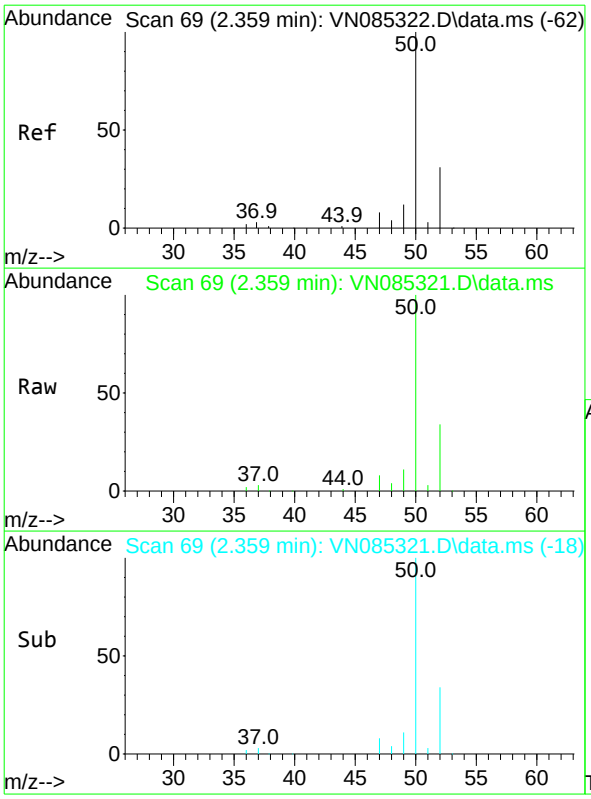


#2
Dichlorodifluoromethane
Concen: 100.154 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 85 Resp: 211530

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.8	50.3

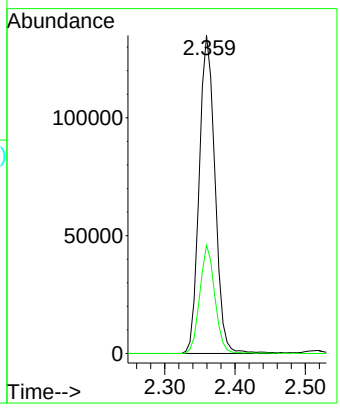




#3
Chloromethane
Concen: 88.661 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 50 Resp: 210461

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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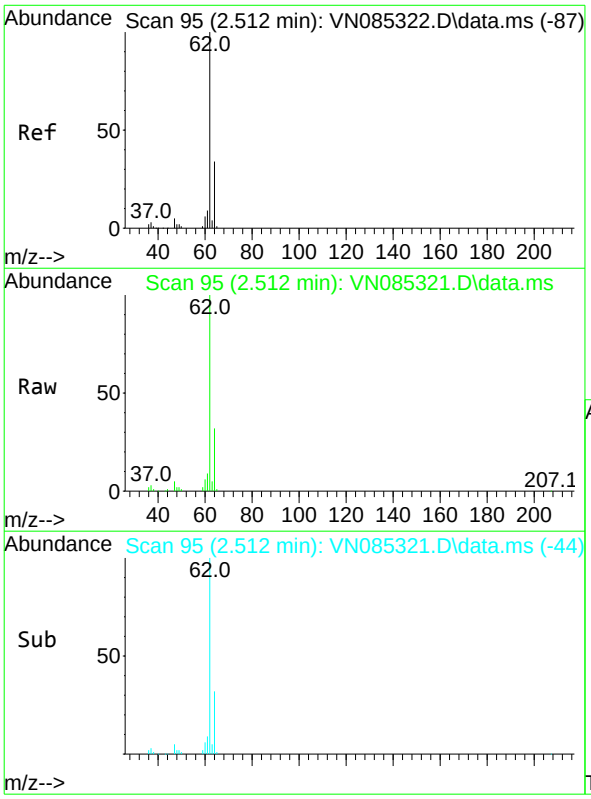
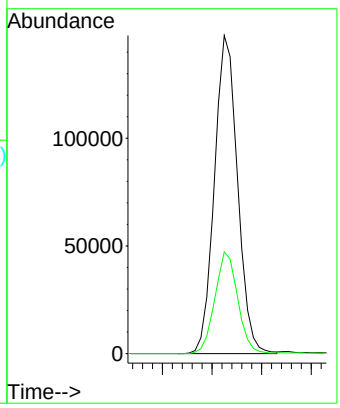
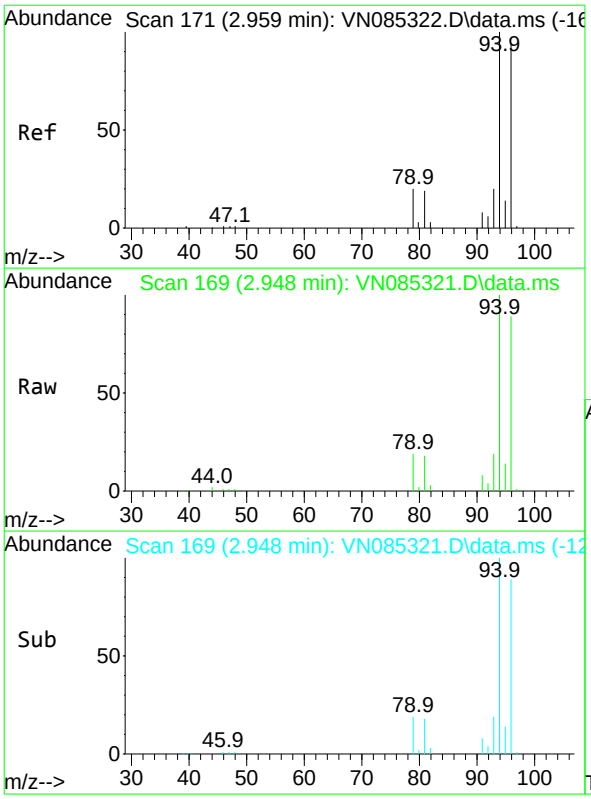


#4
Vinyl Chloride
Concen: 95.258 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 62 Resp: 239141

Ion	Ratio	Lower	Upper
62	100		
64	32.0	27.0	40.6

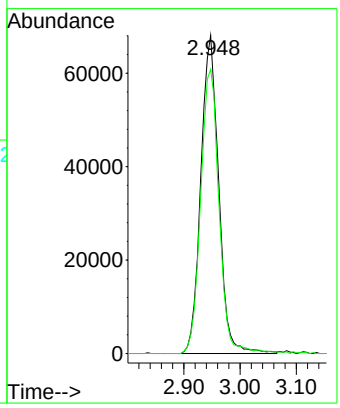




#5
Bromomethane
Concen: 91.543 ug/l
RT: 2.948 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 94 Resp: 150300

Ion	Ratio	Lower	Upper
94	100		
96	89.3	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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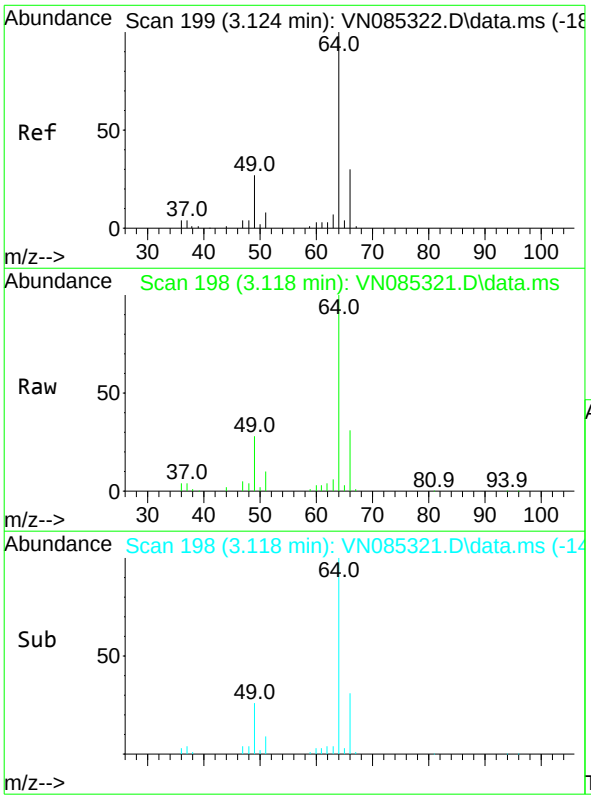
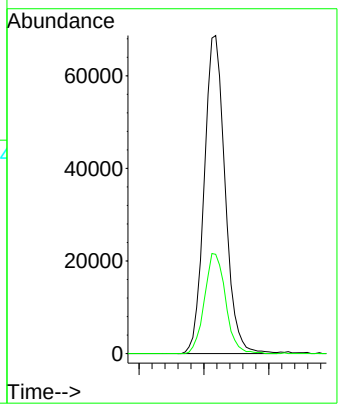
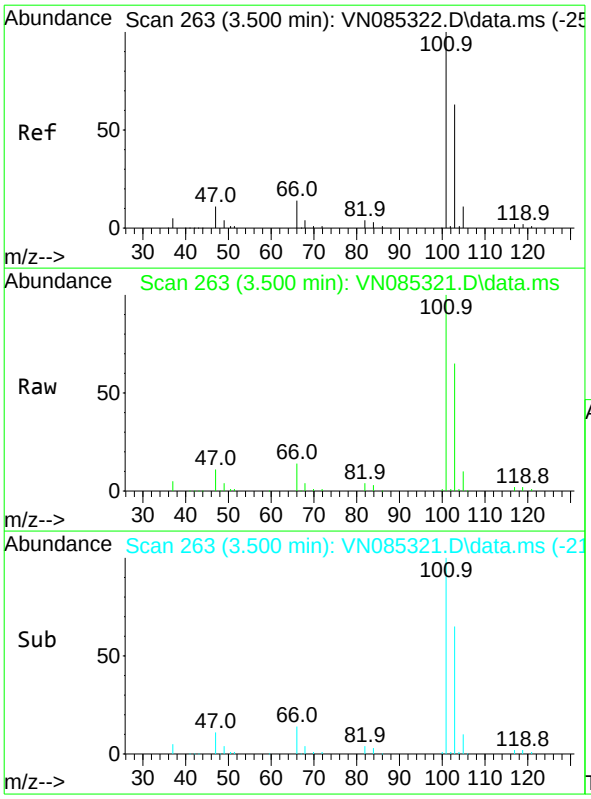


#6
Chloroethane
Concen: 96.191 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 64 Resp: 153144

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.1	36.1

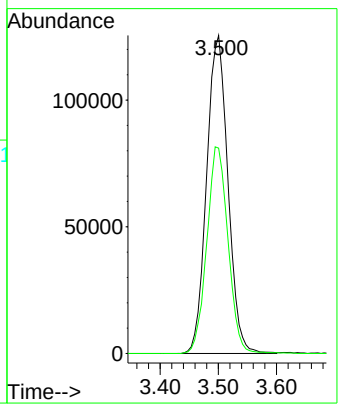




#7
Trichlorofluoromethane
Concen: 96.803 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:101 Resp: 319456

Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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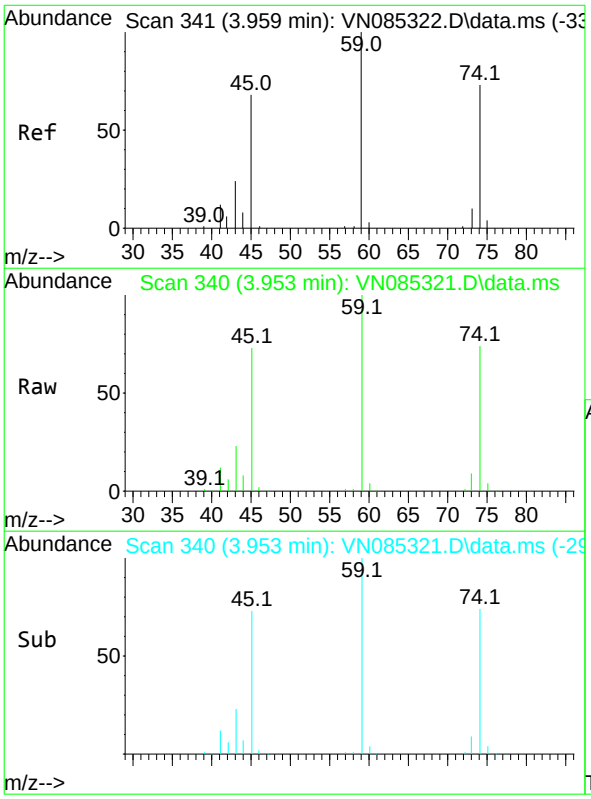
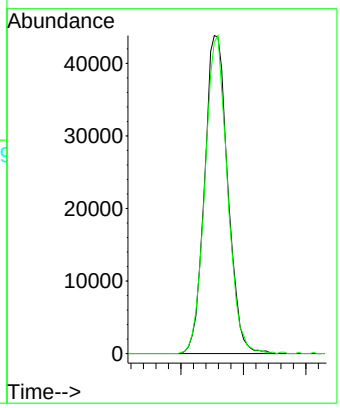
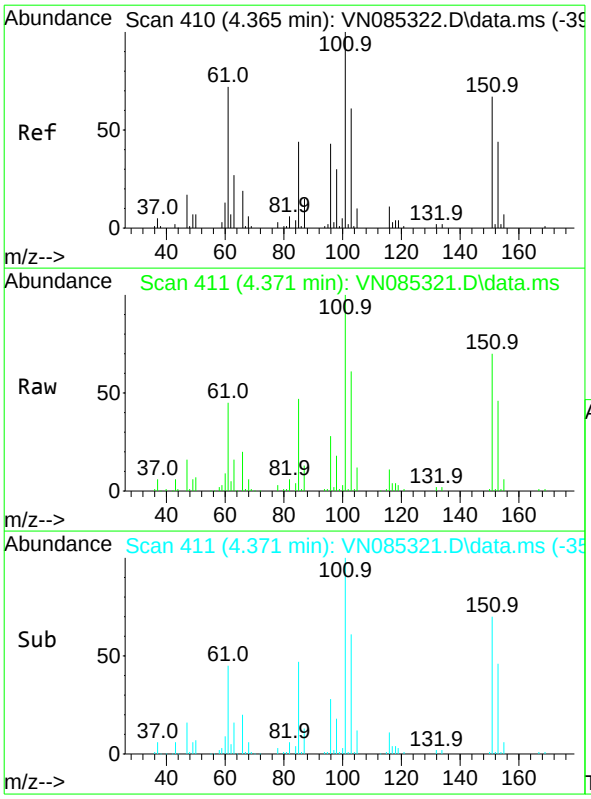


#8
Diethyl Ether
Concen: 103.470 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 74 Resp: 113060

Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.5	142.6

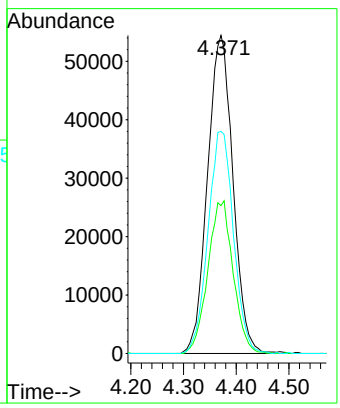




#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.166 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:101 Resp: 182437

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.0	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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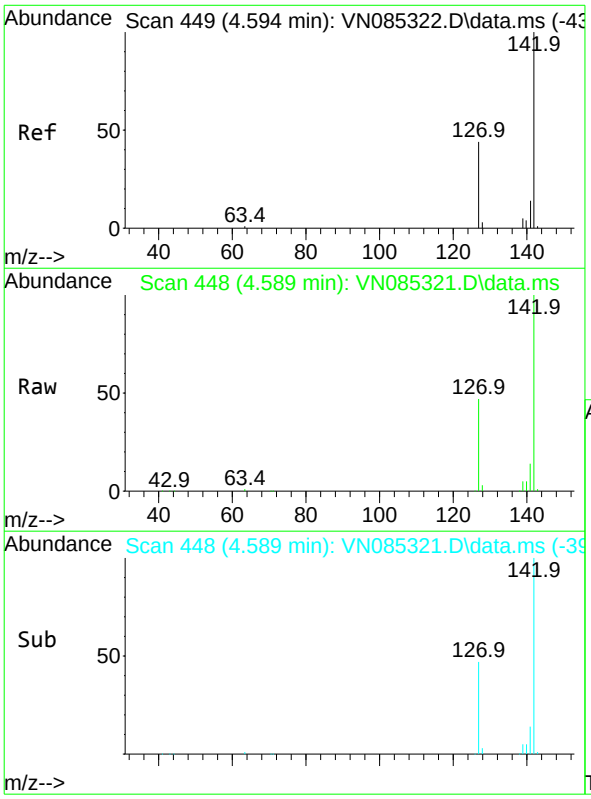
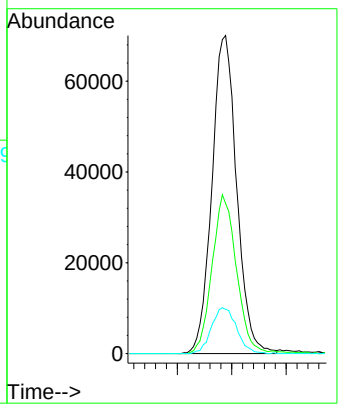
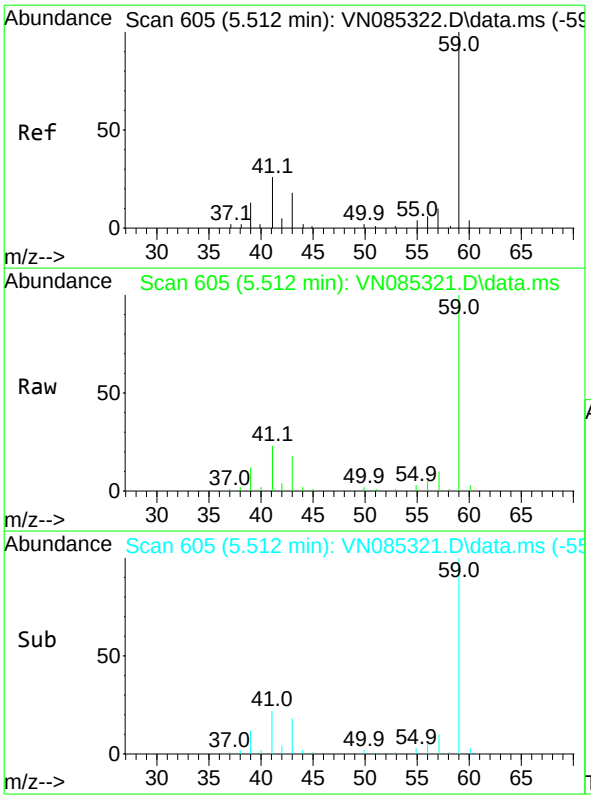


#10
Methyl Iodide
Concen: 101.834 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:142 Resp: 221288

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	13.9	11.5	17.3

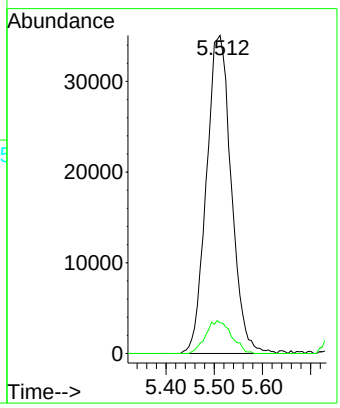




#11
Tert butyl alcohol
Concen: 449.925 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 59 Resp: 125490

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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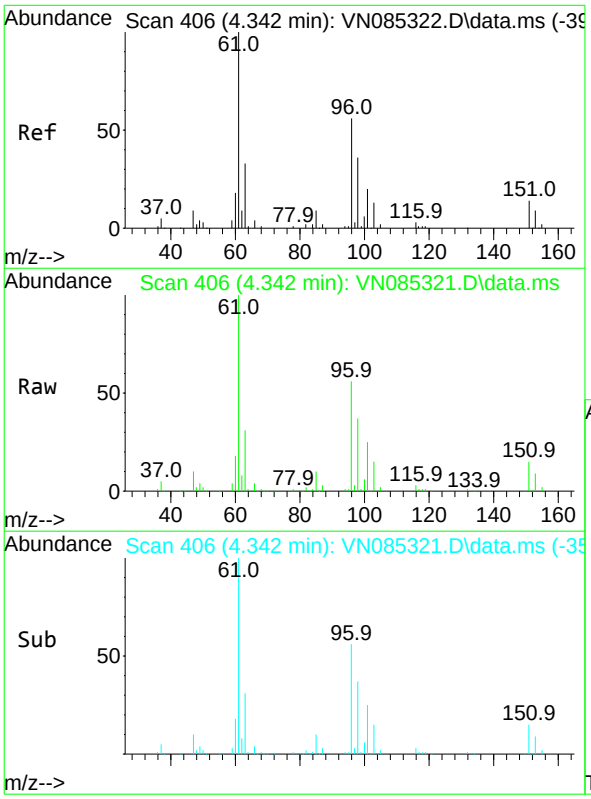
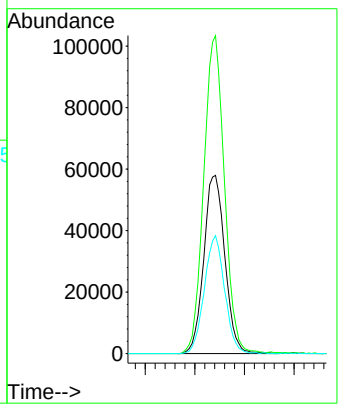
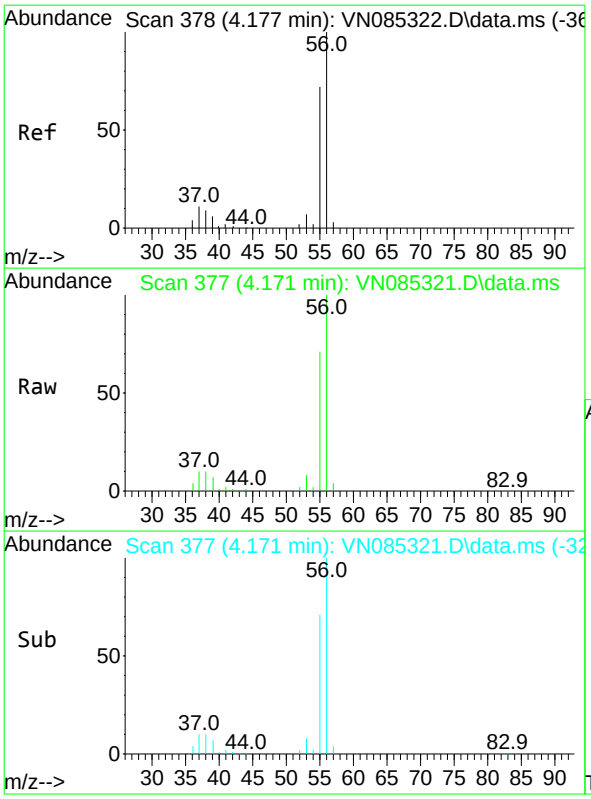


#12
1,1-Dichloroethene
Concen: 98.802 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 96 Resp: 171462

Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.4	213.6
98	66.2	51.5	77.3

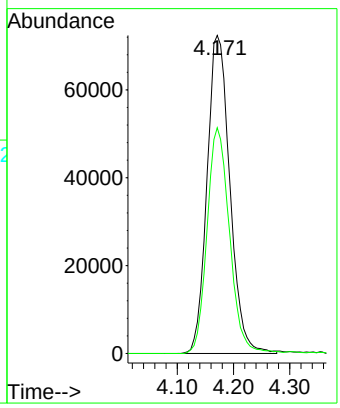




#13
Acrolein
Concen: 469.915 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 56 Resp: 204340

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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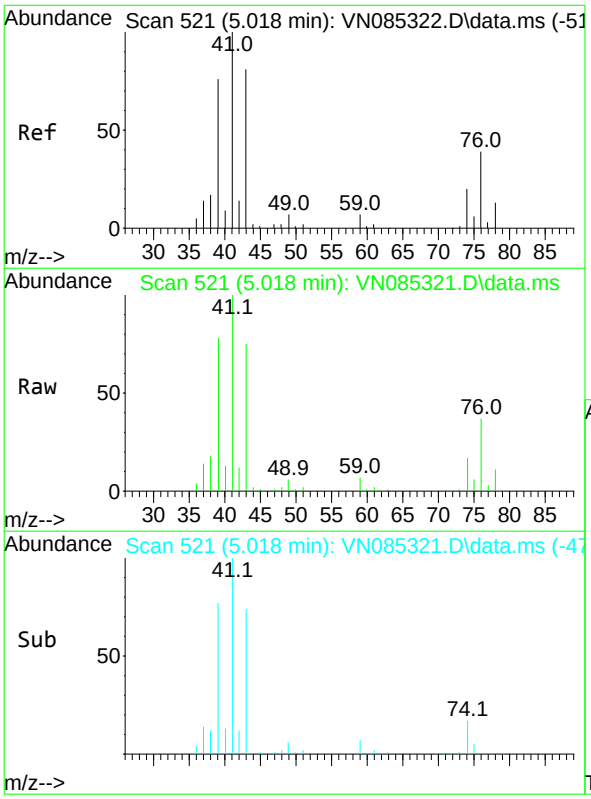
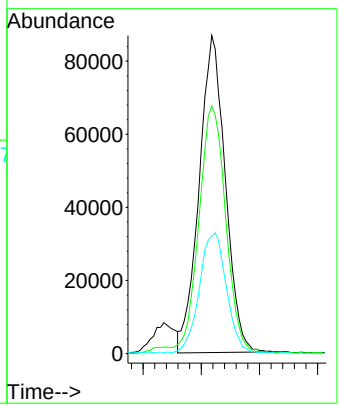
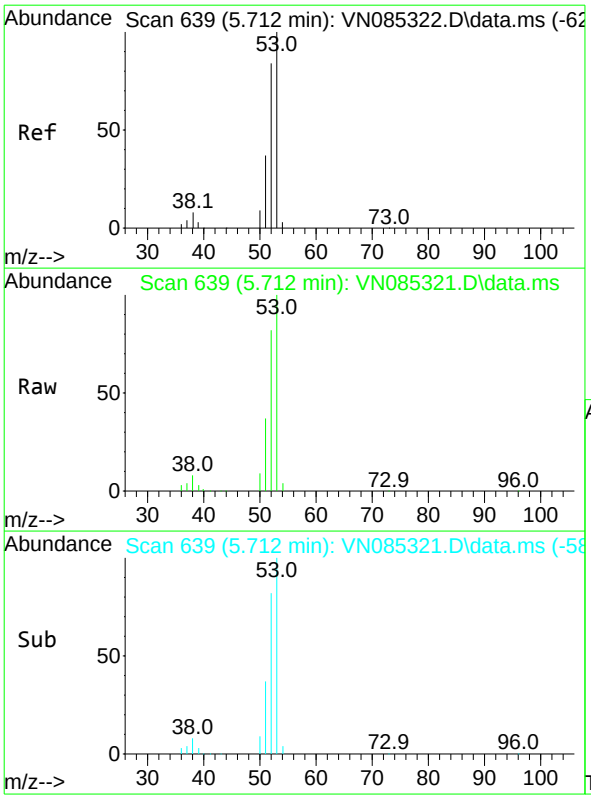


#14
Allyl chloride
Concen: 97.537 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 41 Resp: 270904

Ion	Ratio	Lower	Upper
41	100		
39	79.9	64.4	96.6
76	39.9	31.5	47.3

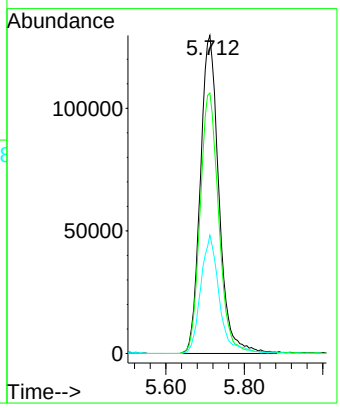




#15
Acrylonitrile
Concen: 485.009 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 53 Resp: 425762

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.6	100.0
51	37.1	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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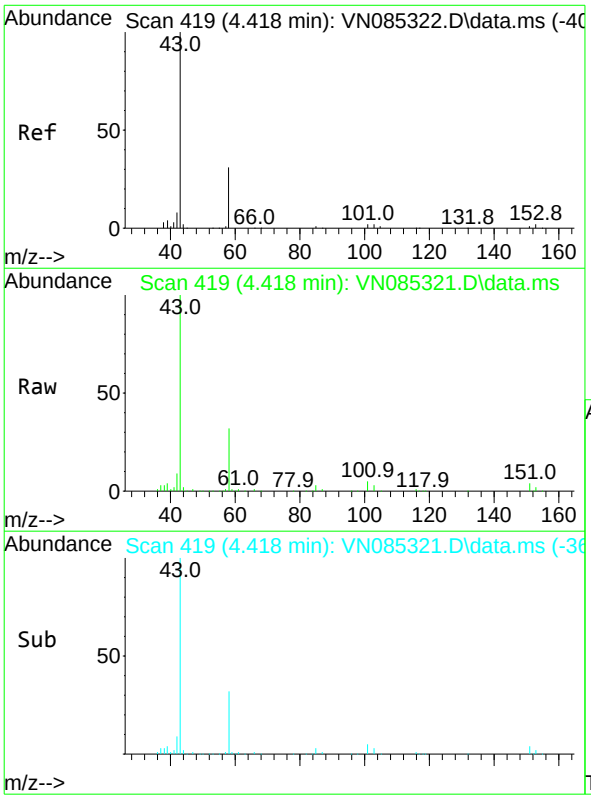
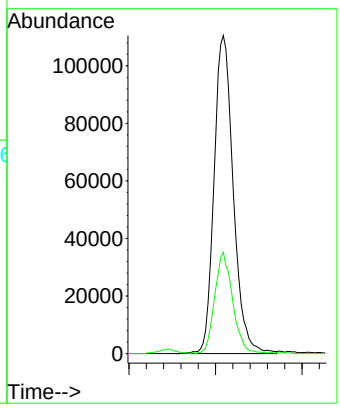
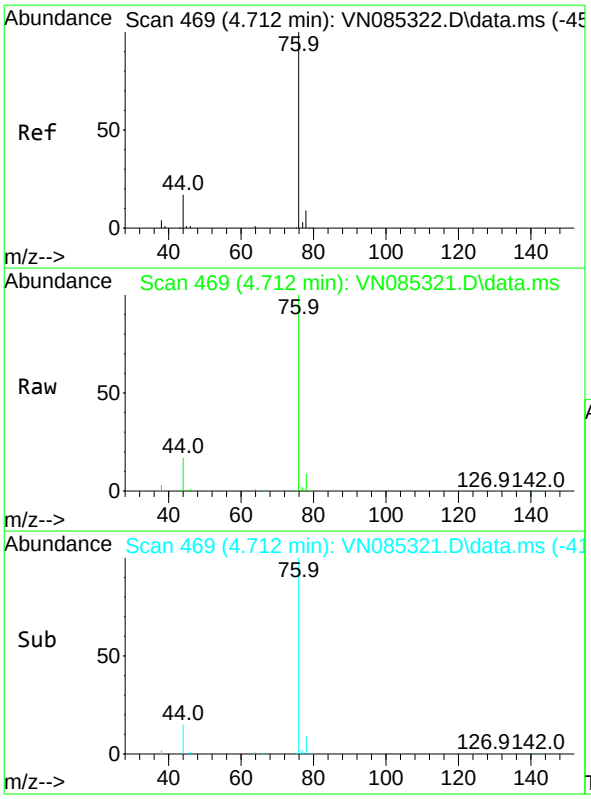


#16
Acetone
Concen: 465.473 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 340922

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.5	36.7

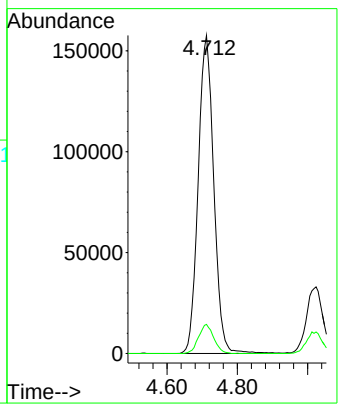




#17
Carbon Disulfide
Concen: 91.760 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 76 Resp: 484441

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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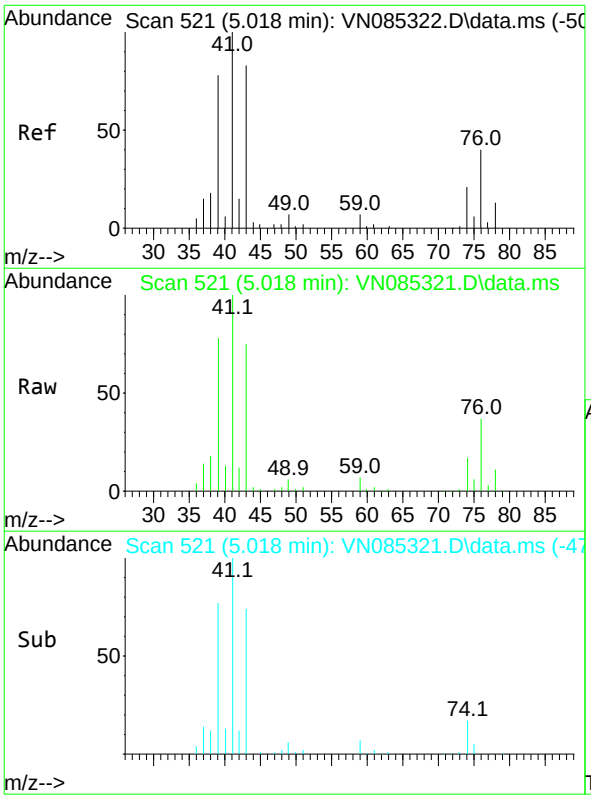
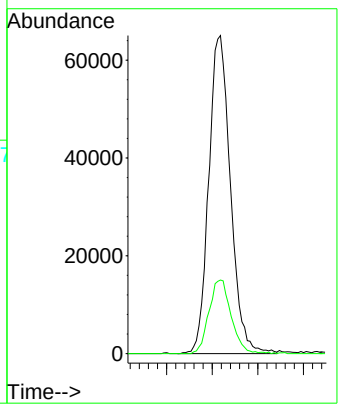
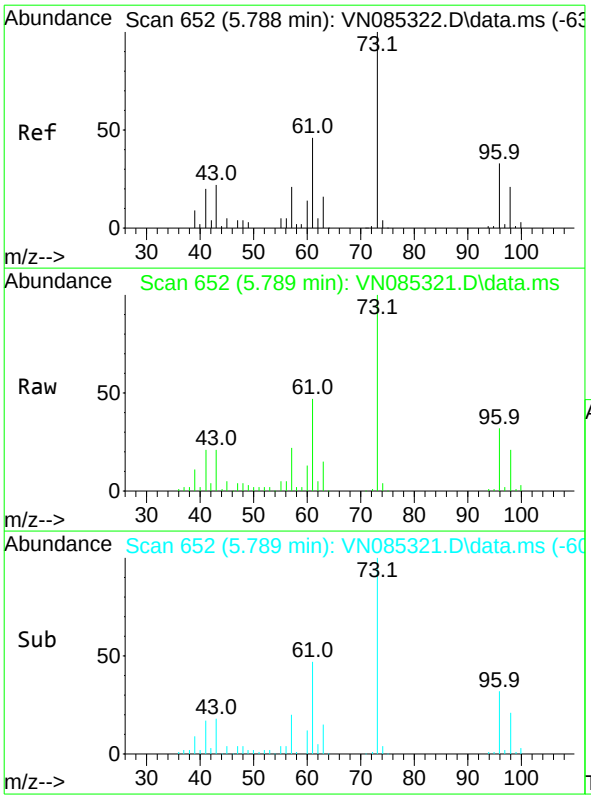


#18
Methyl Acetate
Concen: 95.974 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 215207

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.6

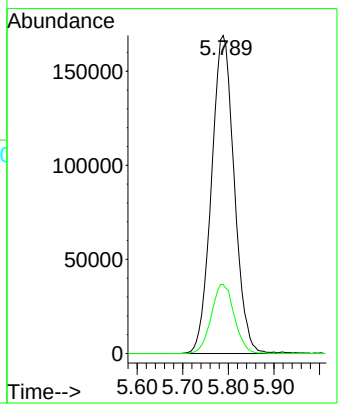




#19
Methyl tert-butyl Ether
Concen: 103.894 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 73 Resp: 586031

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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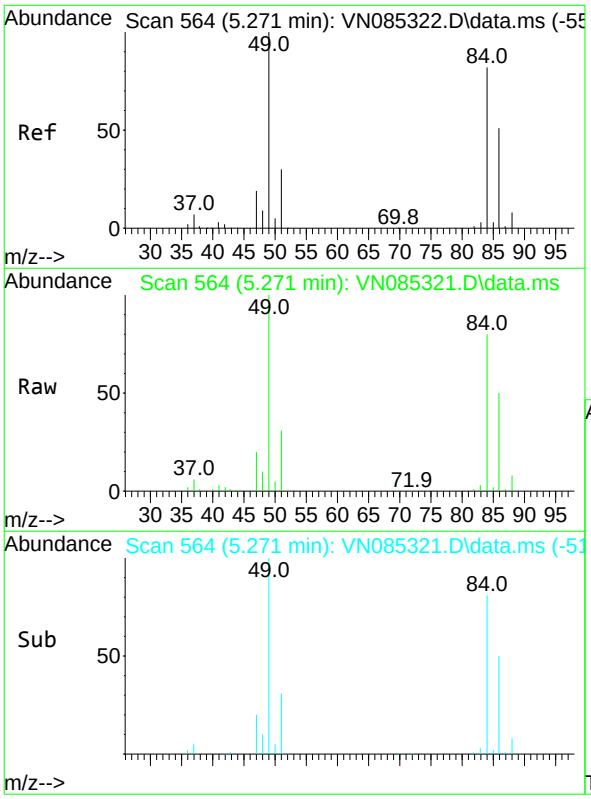
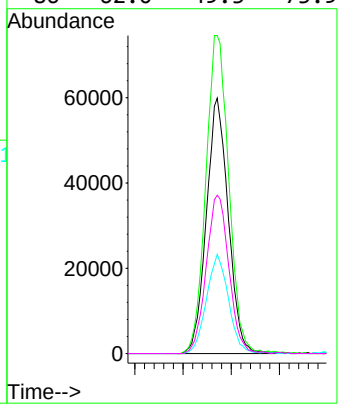
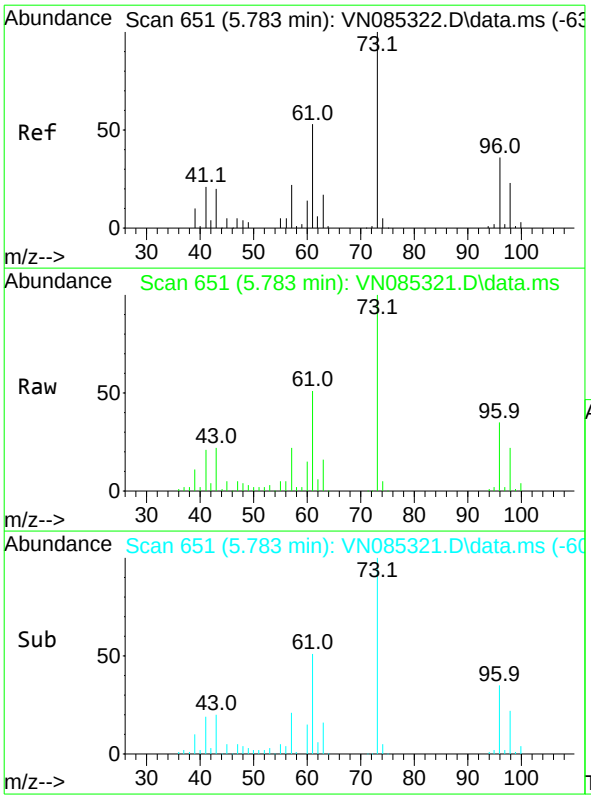


#20
Methylene Chloride
Concen: 96.119 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 84 Resp: 189358

Ion	Ratio	Lower	Upper
84	100		
49	124.5	97.6	146.4
51	38.9	29.1	43.7
86	62.0	49.3	73.9

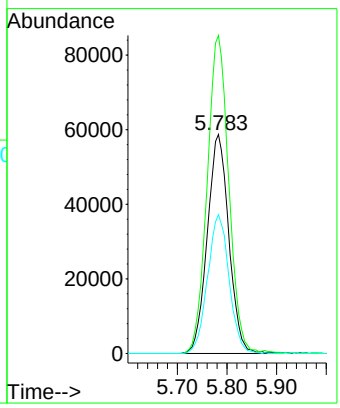




#21
trans-1,2-Dichloroethene
Concen: 97.703 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 96 Resp: 177119

Ion	Ratio	Lower	Upper
96	100		
61	145.2	118.0	177.0
98	63.4	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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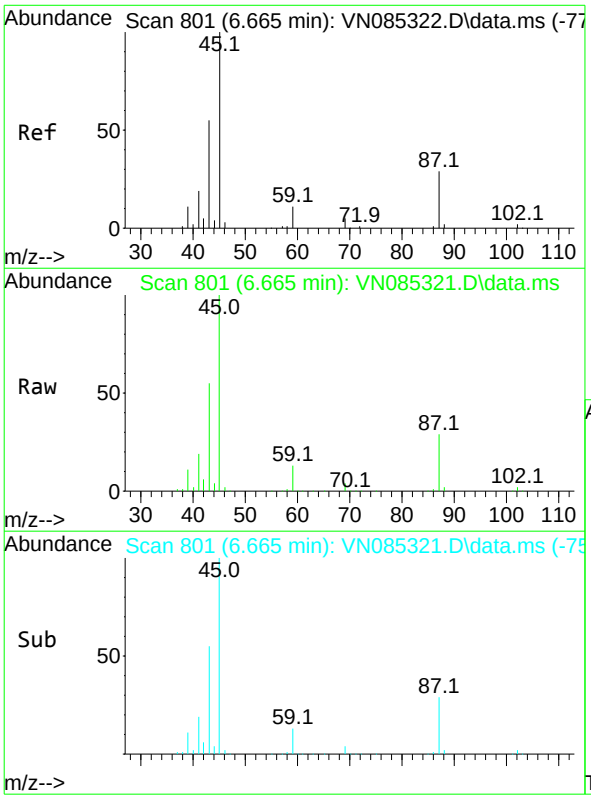
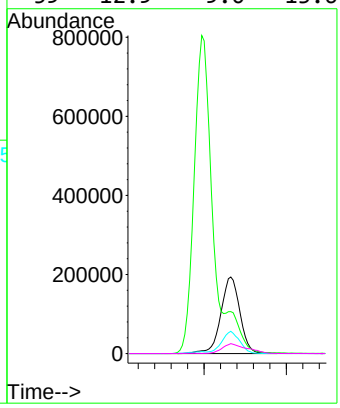
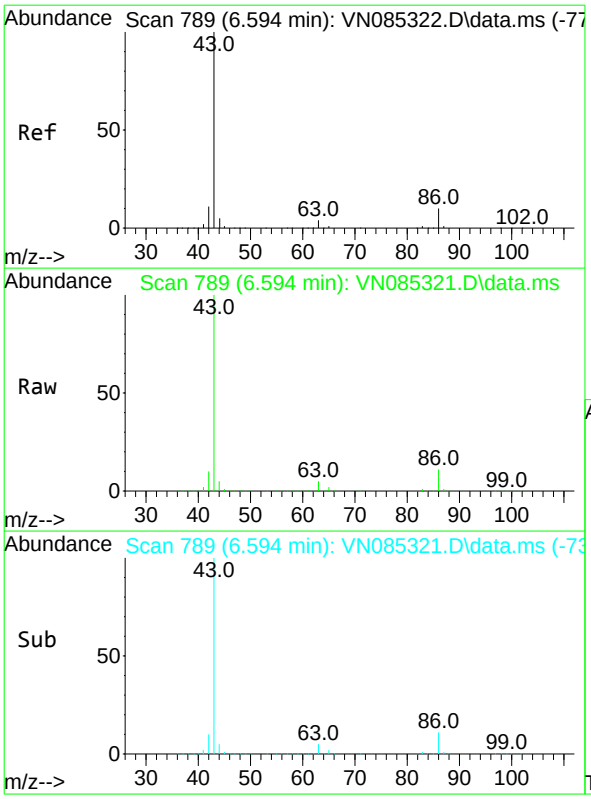


#22
Diisopropyl ether
Concen: 104.224 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 45 Resp: 623798

Ion	Ratio	Lower	Upper
45	100		
43	54.0	44.1	66.1
87	29.1	23.2	34.8
59	12.9	9.0	13.6





#23
Vinyl Acetate
Concen: 539.108 ug/l
RT: 6.594 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 2319612

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.0	12.0

Instrument :
MSVOA_N
ClientSampleId :
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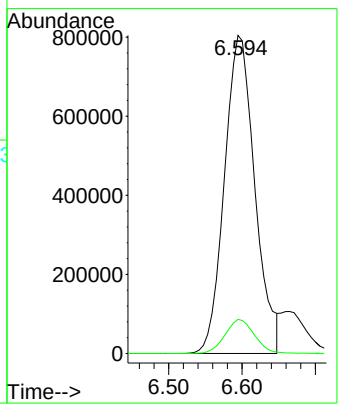
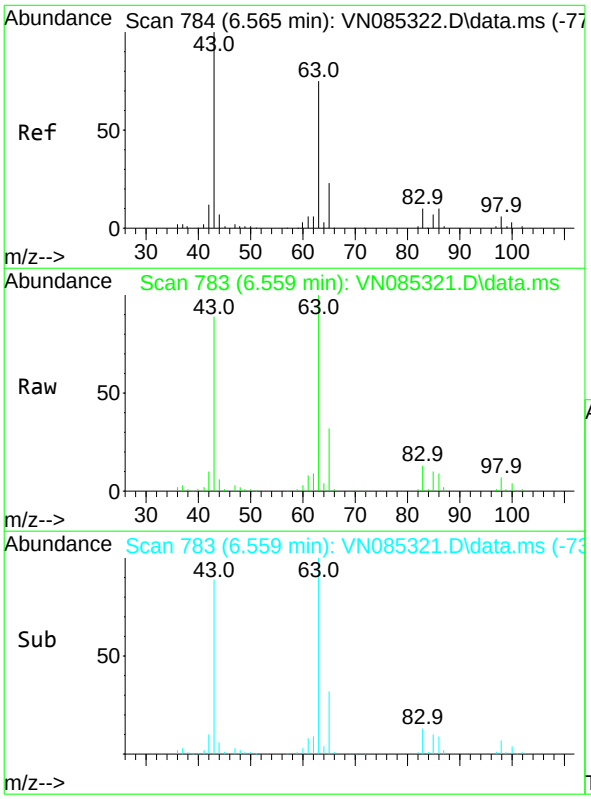
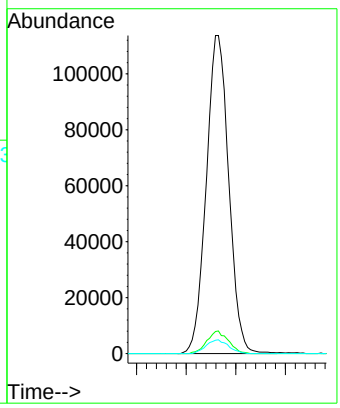


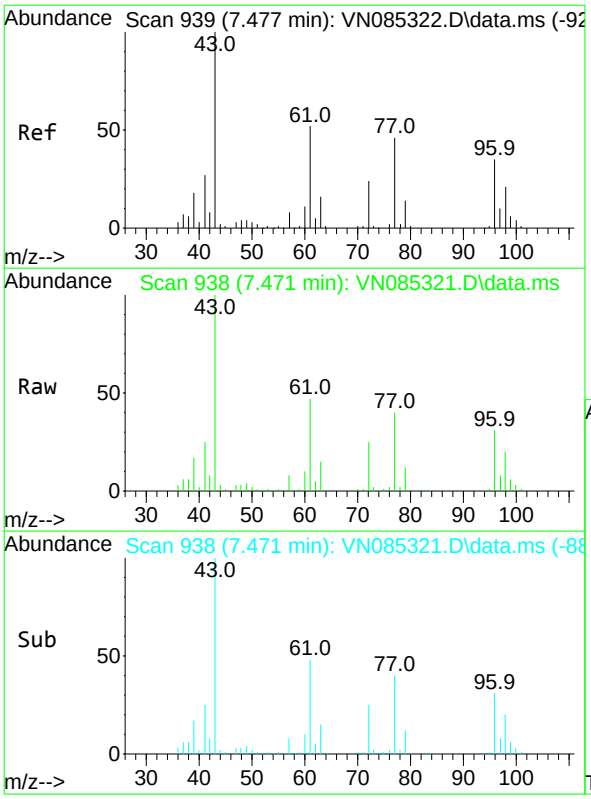


#24
1,1-Dichloroethane
Concen: 99.165 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 63 Resp: 357527

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.2	2.3	6.8

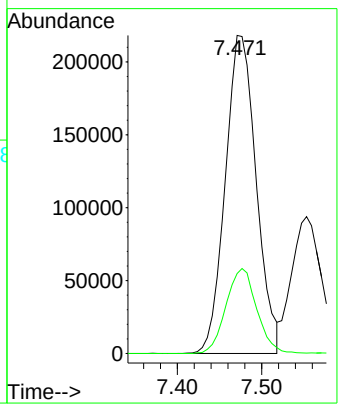




#25
2-Butanone
Concen: 490.229 ug/l
RT: 7.471 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 557035

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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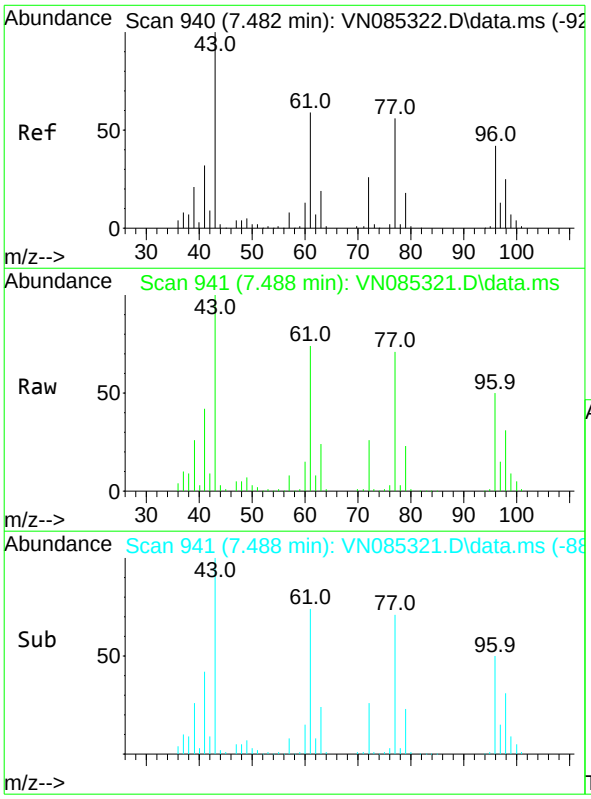
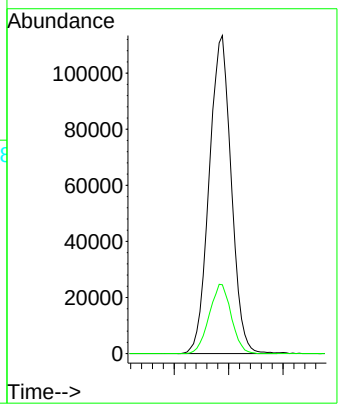
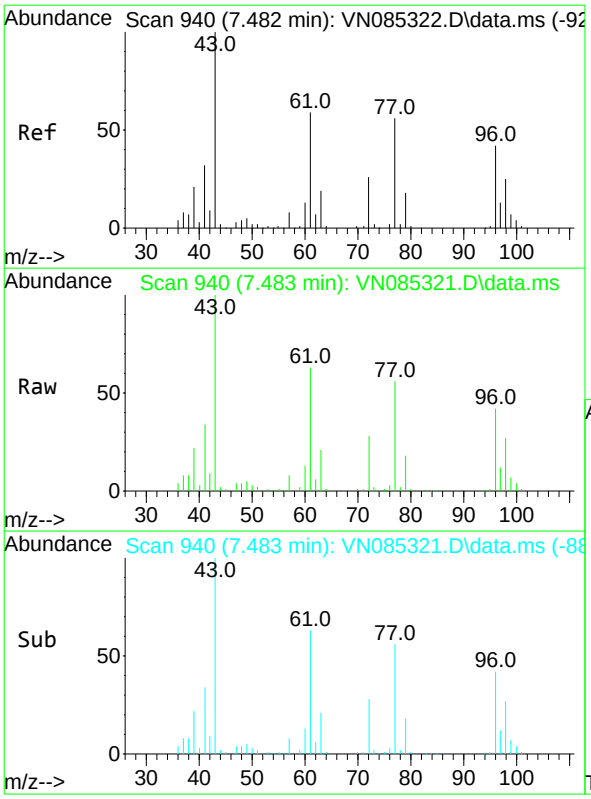


#26
2,2-Dichloropropane
Concen: 100.909 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 77 Resp: 318743

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8

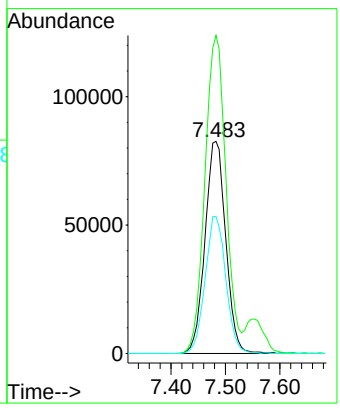




#27
cis-1,2-Dichloroethene
Concen: 102.909 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 96 Resp: 218963

Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	296.4
98	64.6	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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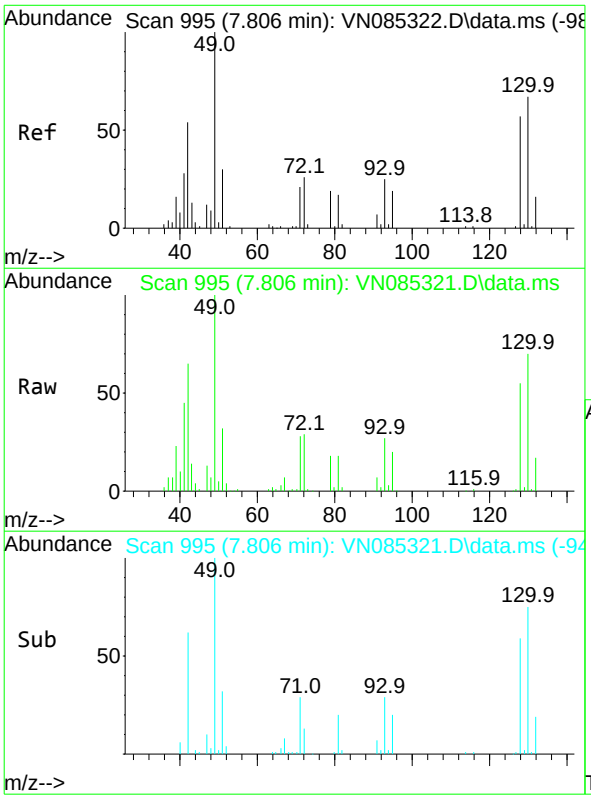
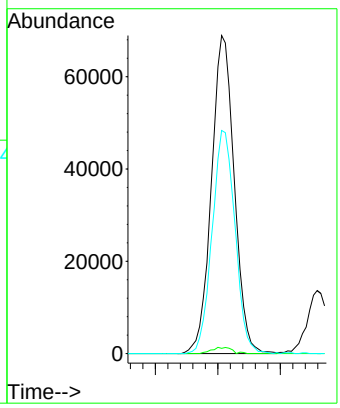
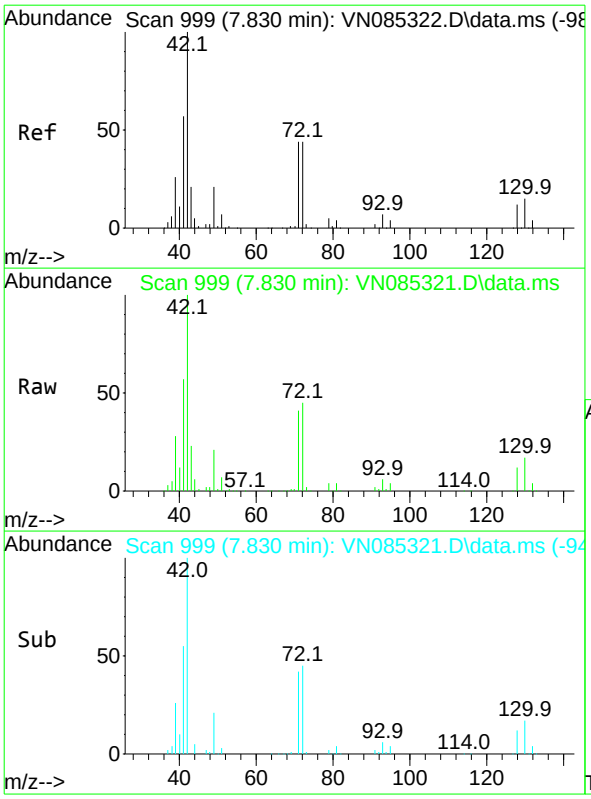


#28
Bromochloromethane
Concen: 104.430 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 49 Resp: 174969

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	70.4	0.0	0.0#

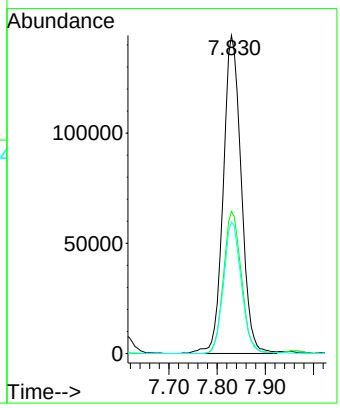




#29
Tetrahydrofuran
Concen: 511.419 ug/l
RT: 7.830 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 42 Resp: 374323

Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.1	52.7
71	40.8	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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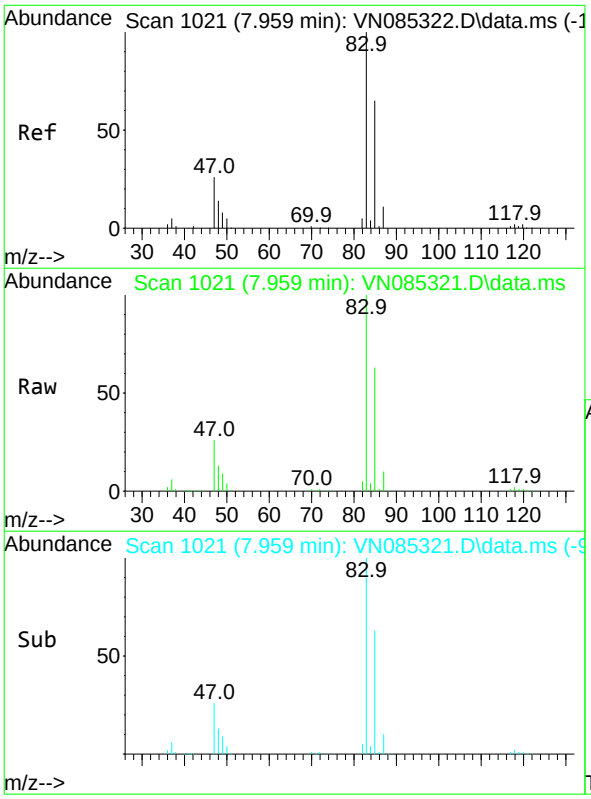
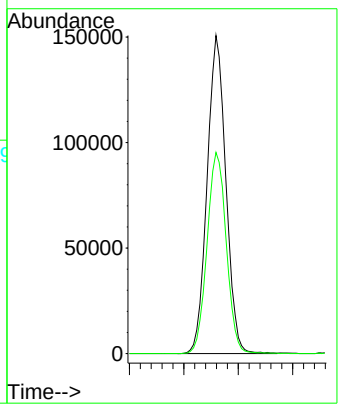
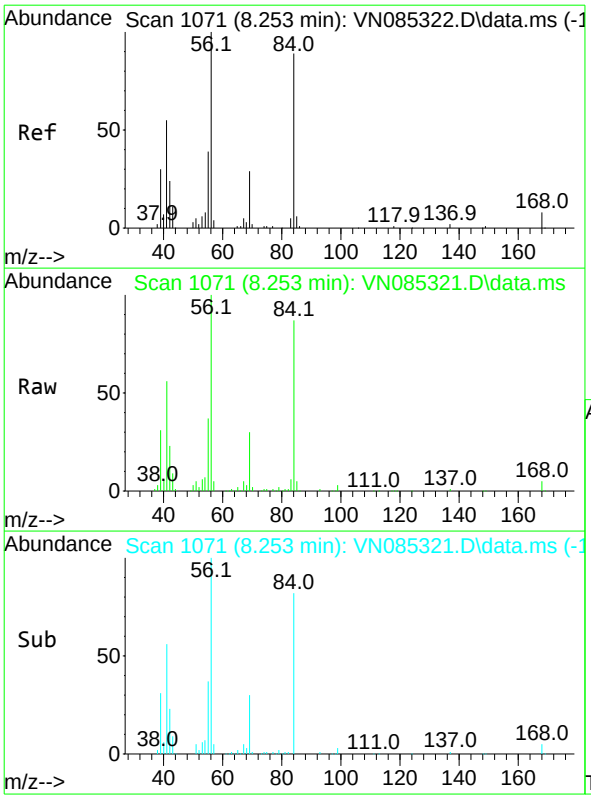


#30
Chloroform
Concen: 97.837 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 83 Resp: 360866

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.0	78.0

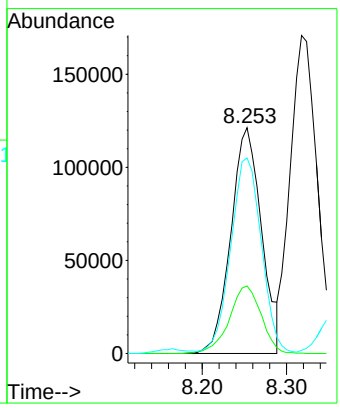




#31
Cyclohexane
Concen: 93.310 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 56 Resp: 307196

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.0
84	85.0	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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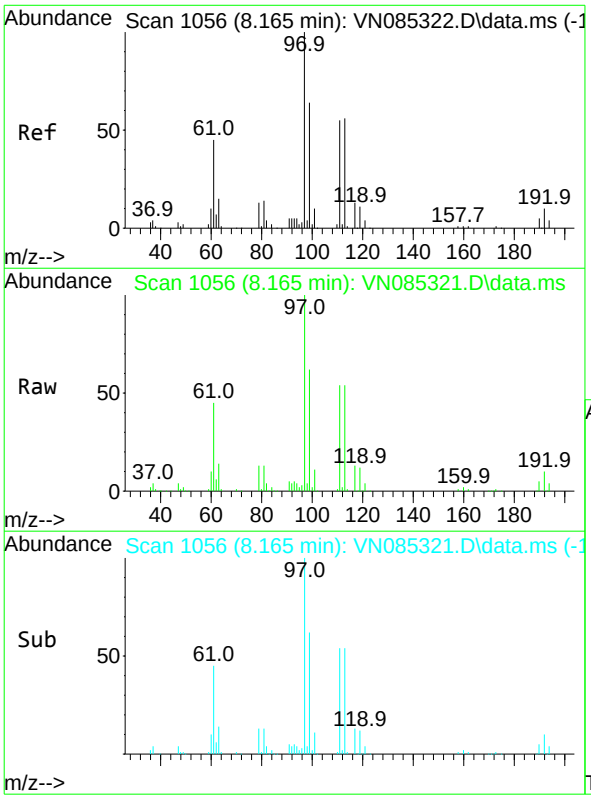
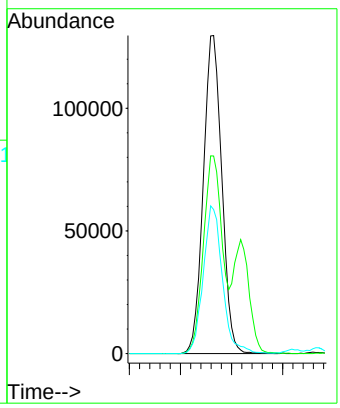
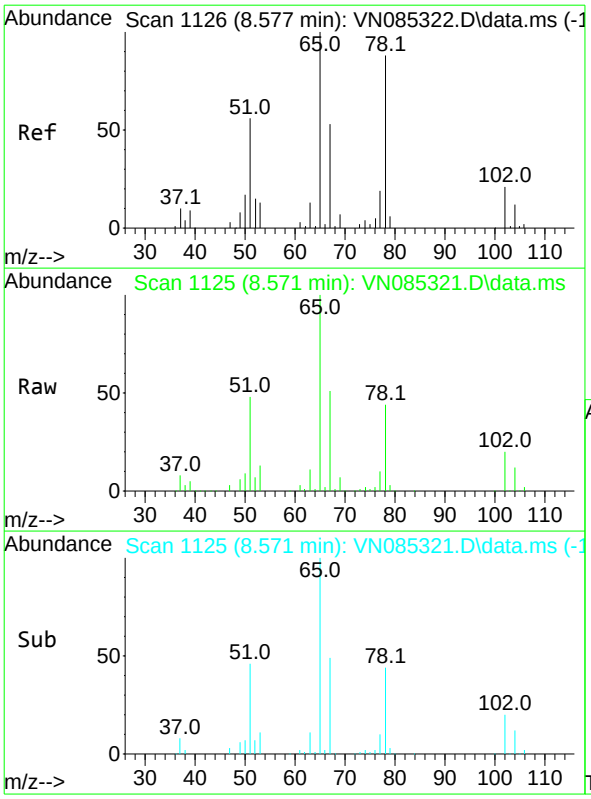


#32
1,1,1-Trichloroethane
Concen: 98.891 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 97 Resp: 325760

Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.3	79.9
61	48.2	39.6	59.4

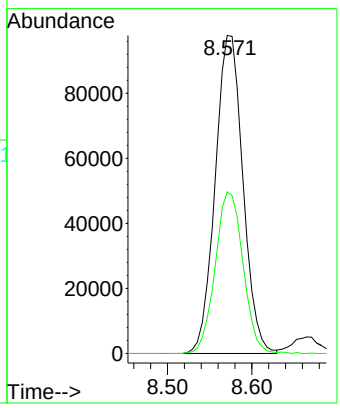




#33
1,2-Dichloroethane-d4
Concen: 100.315 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 65 Resp: 223438

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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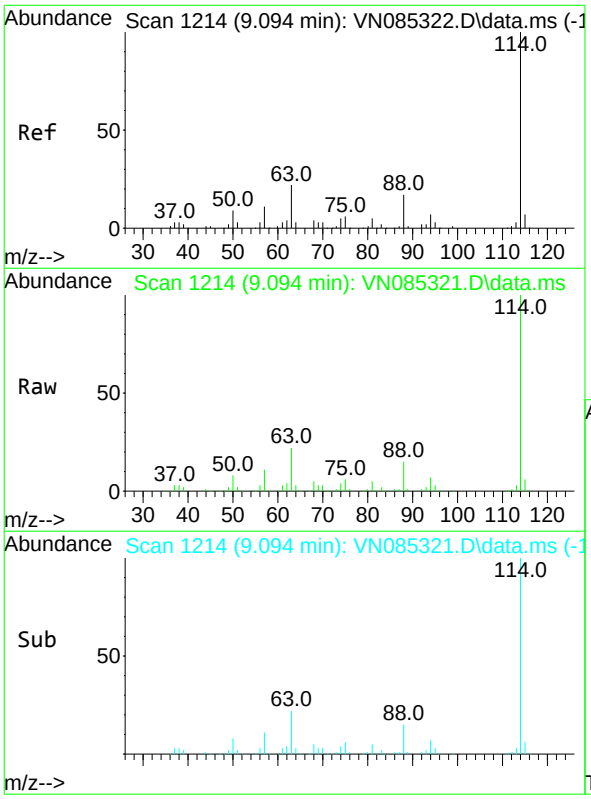
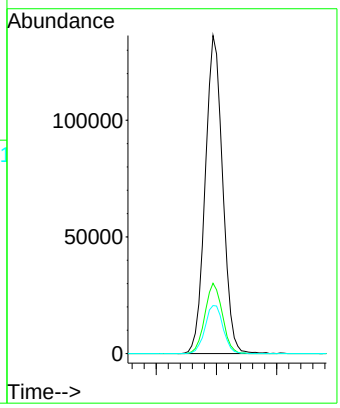
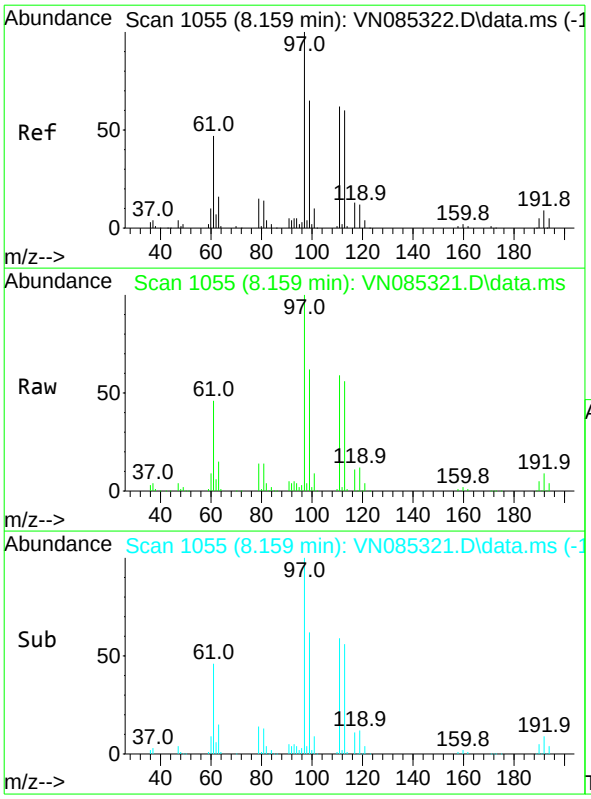


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:114 Resp: 274313

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.4
88	15.1	0.0	33.6

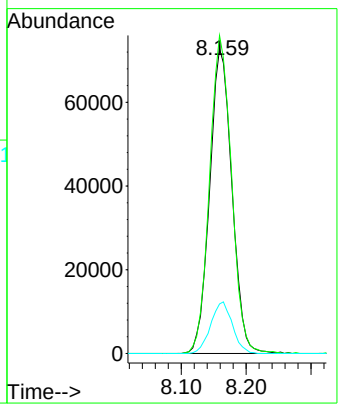




#35
Dibromofluoromethane
Concen: 101.117 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:113 Resp: 173043

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.5	120.7
192	16.6	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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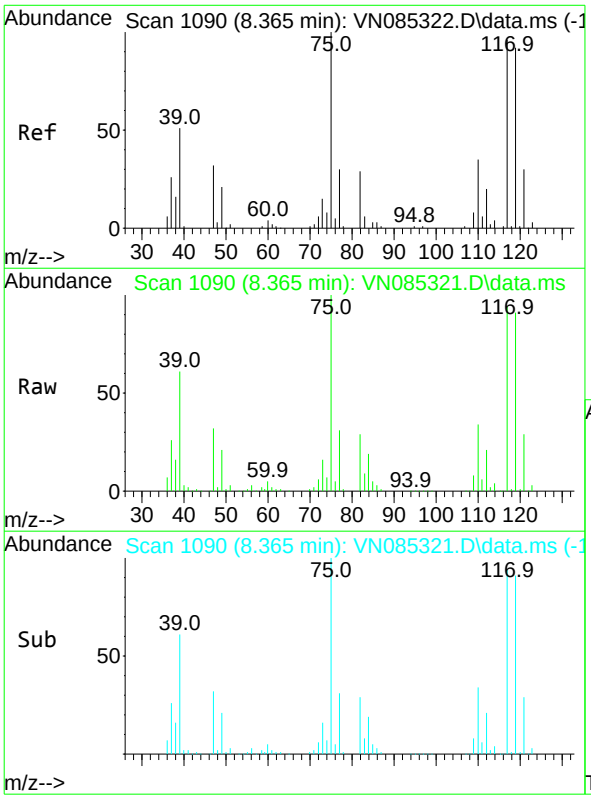
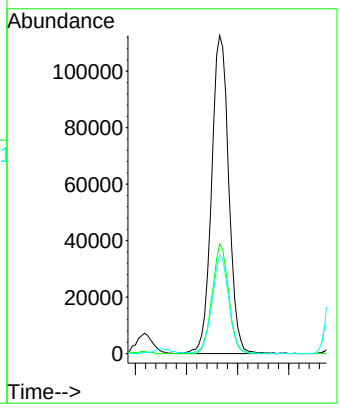
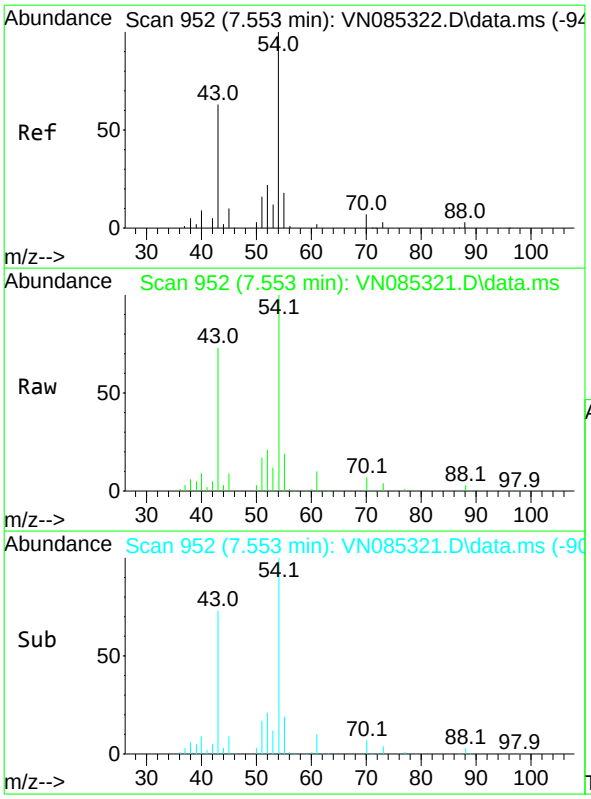


#36
1,1-Dichloropropene
Concen: 104.994 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 263076

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.8
77	30.2	24.3	36.5

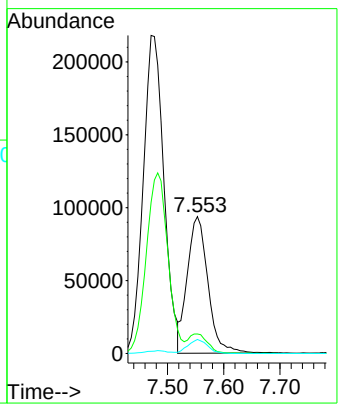




#37
Ethyl Acetate
Concen: 96.040 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 239186

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	9.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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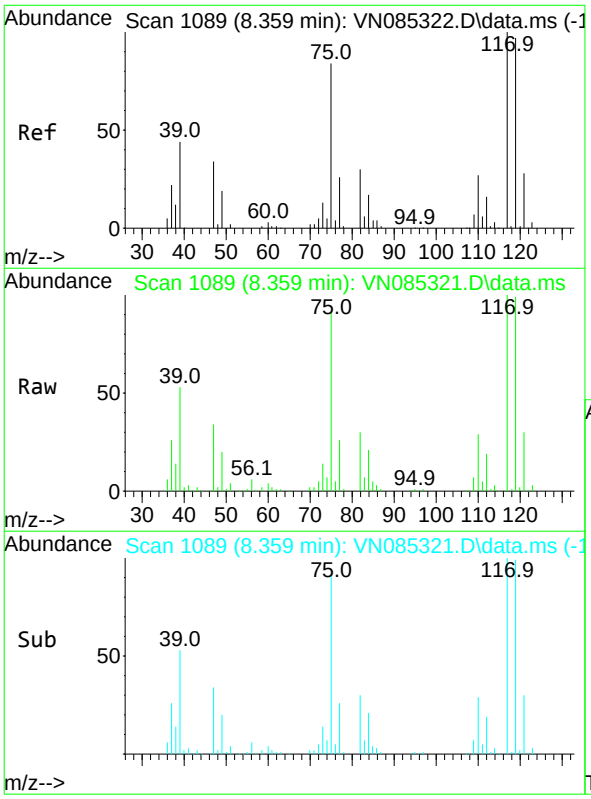
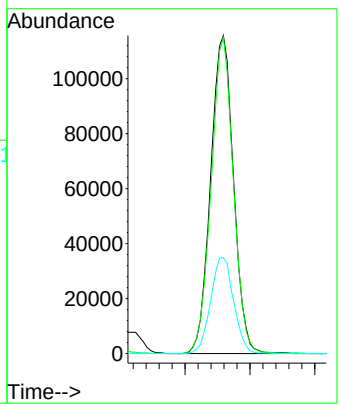
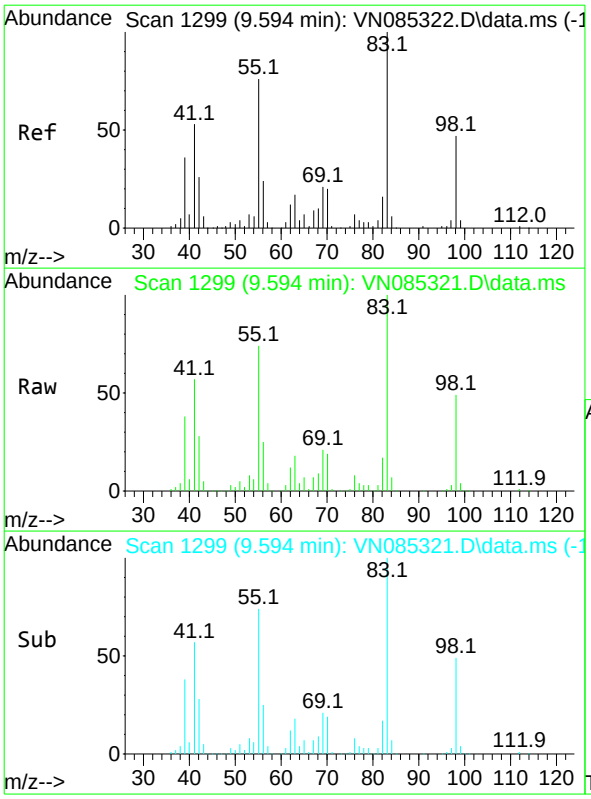


#38
Carbon Tetrachloride
Concen: 103.563 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:117 Resp: 282846

Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.6
121	30.1	22.5	33.7

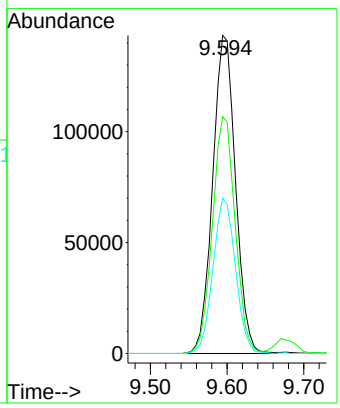




#39
Methylcyclohexane
Concen: 113.903 ug/l
RT: 9.594 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 83 Resp: 296114

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.7	91.1
98	48.8	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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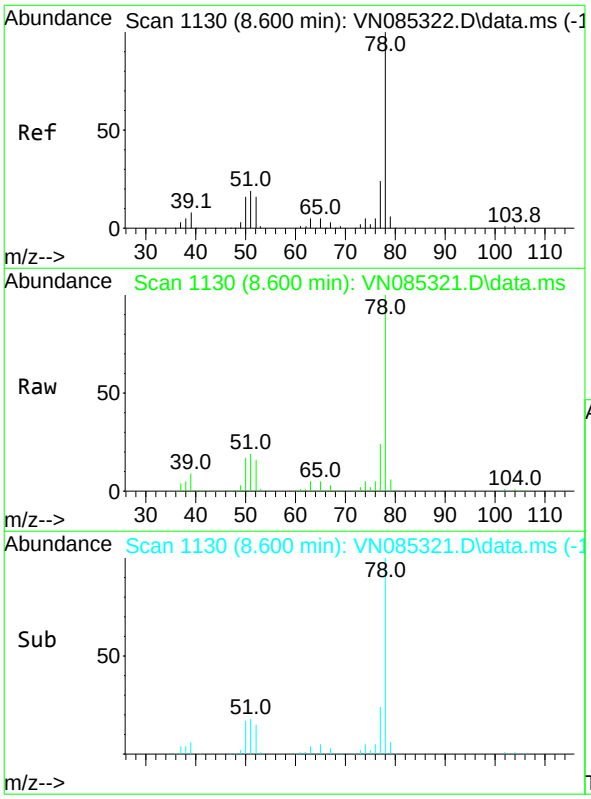
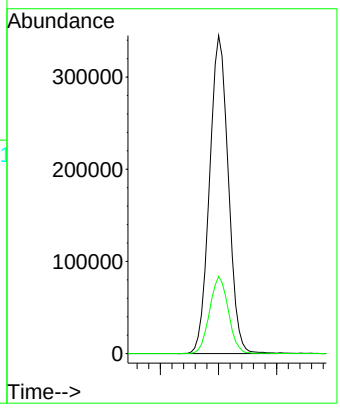
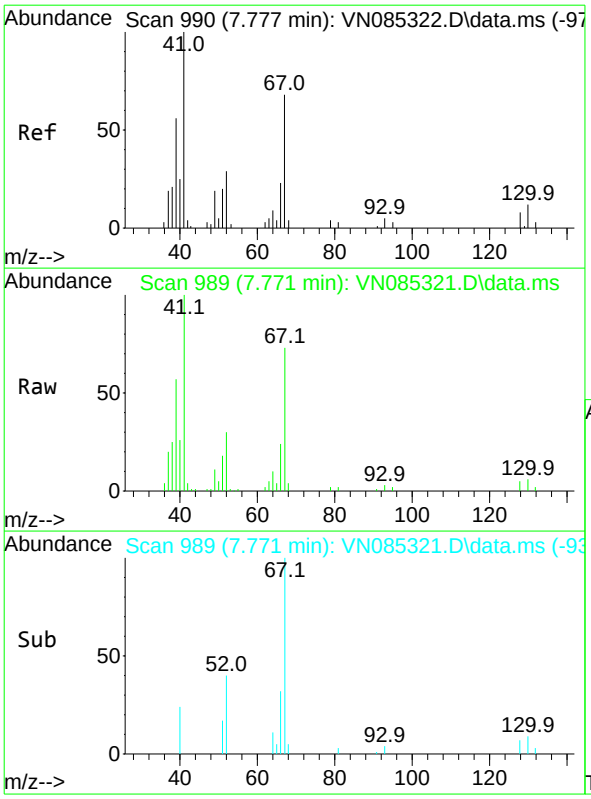


#40
Benzene
Concen: 102.248 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 78 Resp: 774590

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4

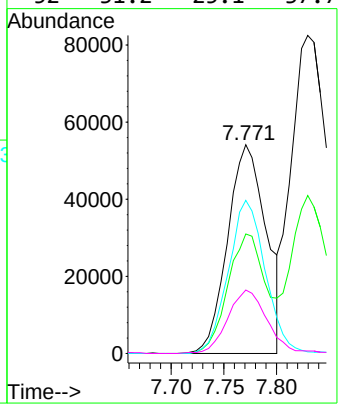




#41
Methacrylonitrile
Concen: 108.014 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 41 Resp: 137768

Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.8	68.8
67	70.5	57.1	85.7
52	31.2	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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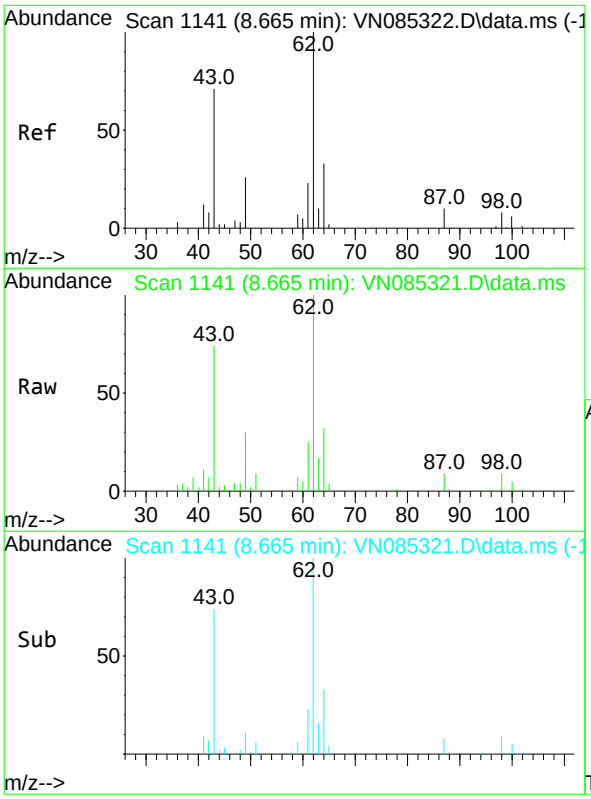
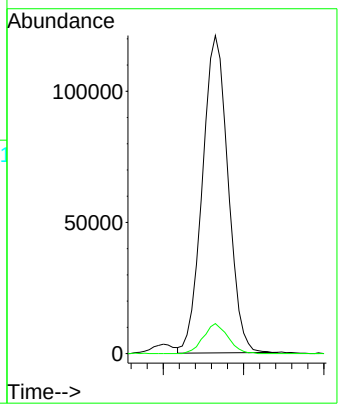
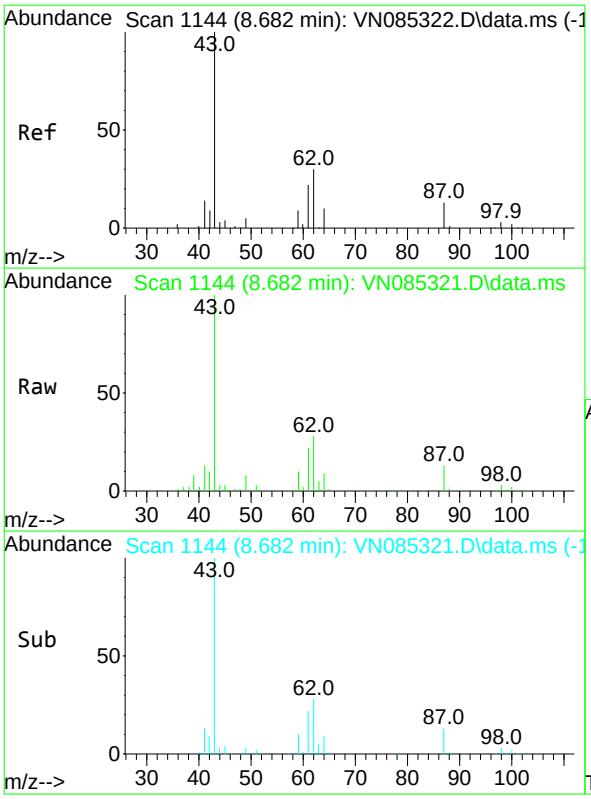


#42
1,2-Dichloroethane
Concen: 98.781 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 62 Resp: 268298

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

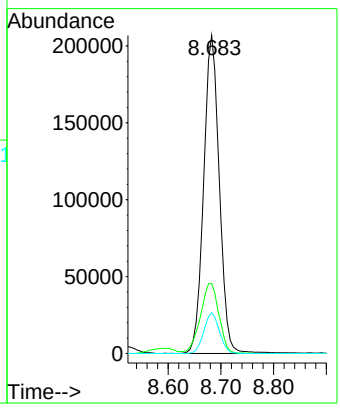




#43
Isopropyl Acetate
Concen: 104.030 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 426602

Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.8	31.2
87	12.7	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
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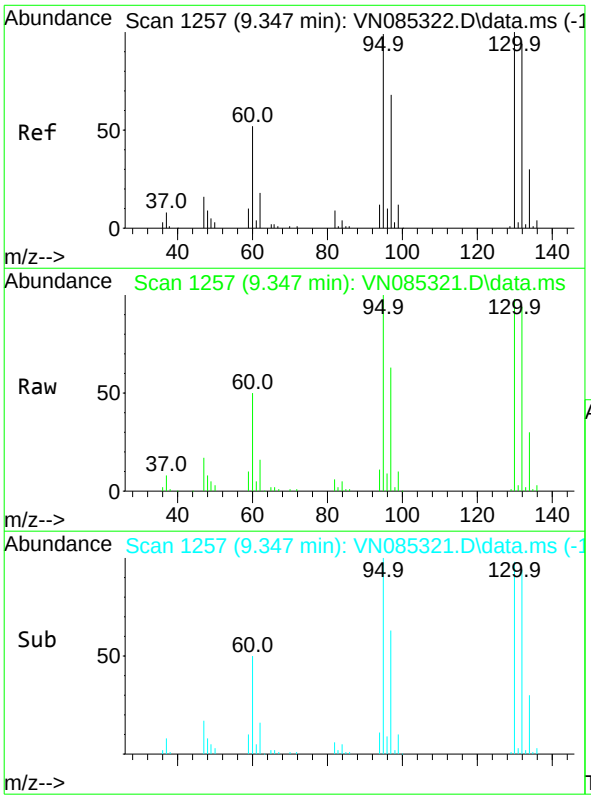
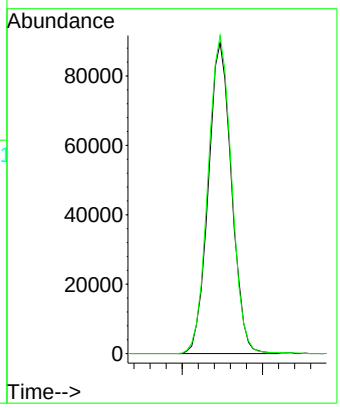
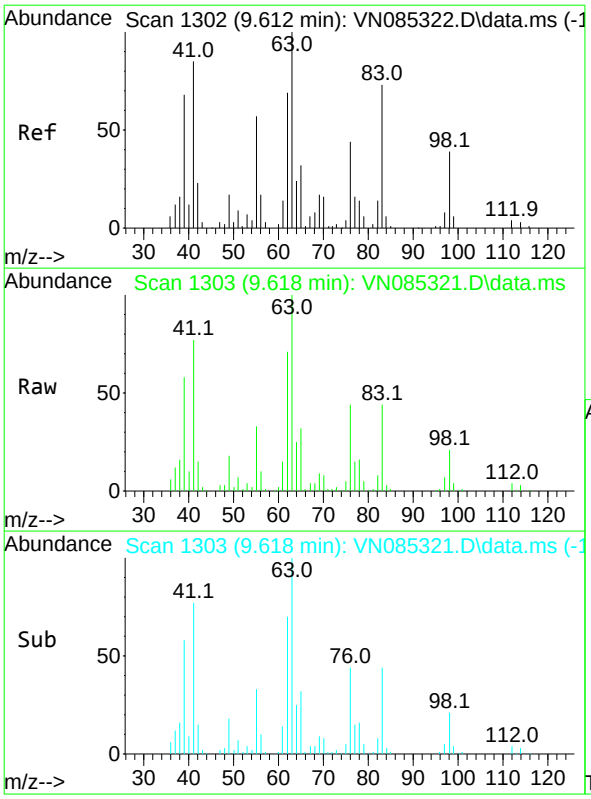


#44
Trichloroethene
Concen: 100.266 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:130 Resp: 179832

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	197.8

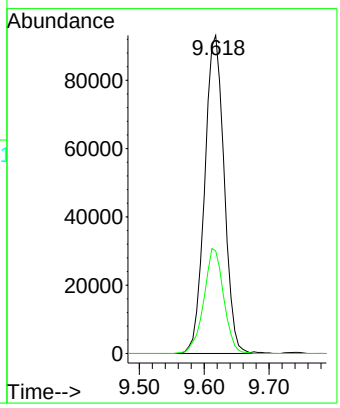




#45
1,2-Dichloropropane
Concen: 100.585 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 63 Resp: 193438

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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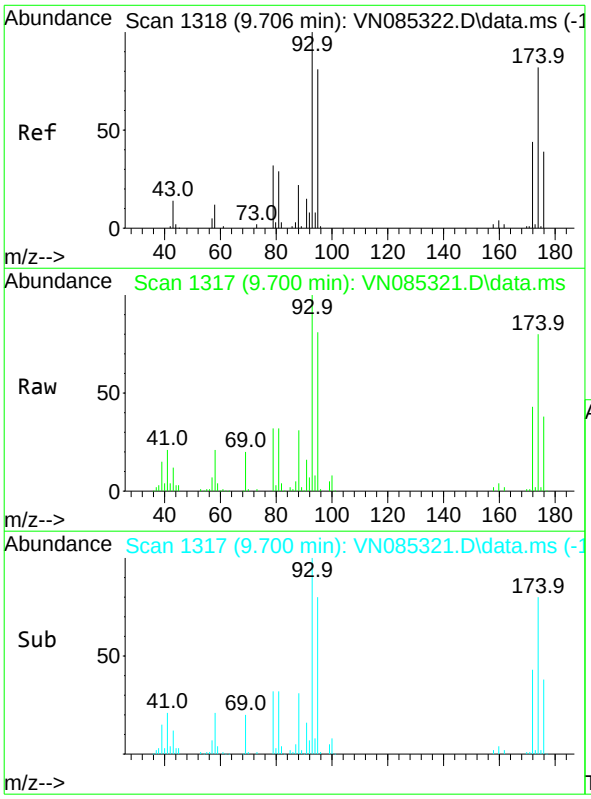
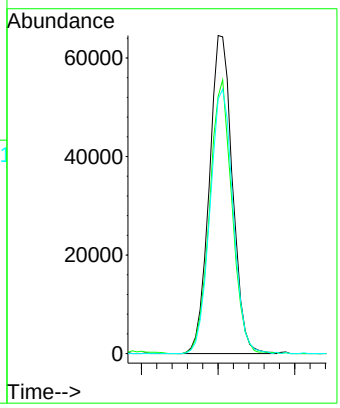
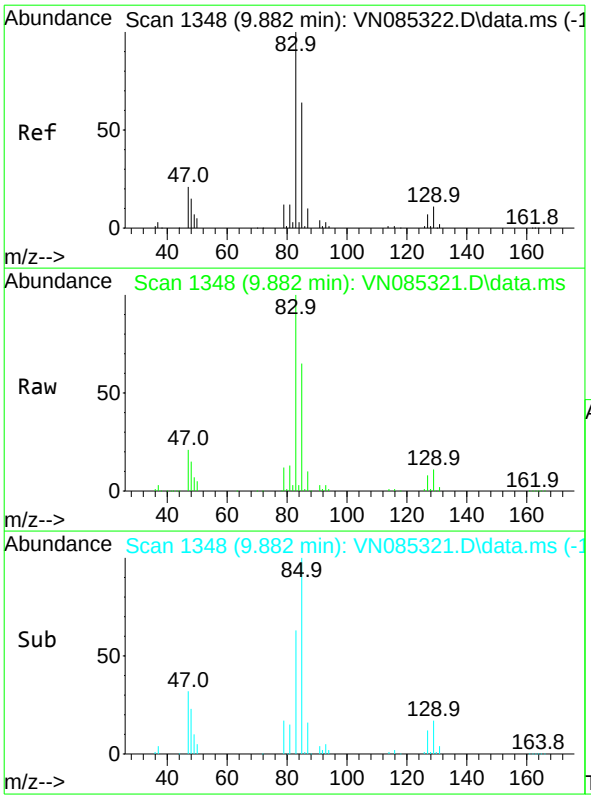


#46
Dibromomethane
Concen: 101.355 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 93 Resp: 135558

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.3	97.9
174	82.8	66.4	99.6

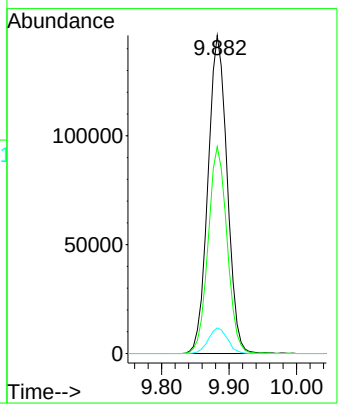




#47
Bromodichloromethane
Concen: 103.761 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 83 Resp: 288439

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4
127	8.0	5.8	8.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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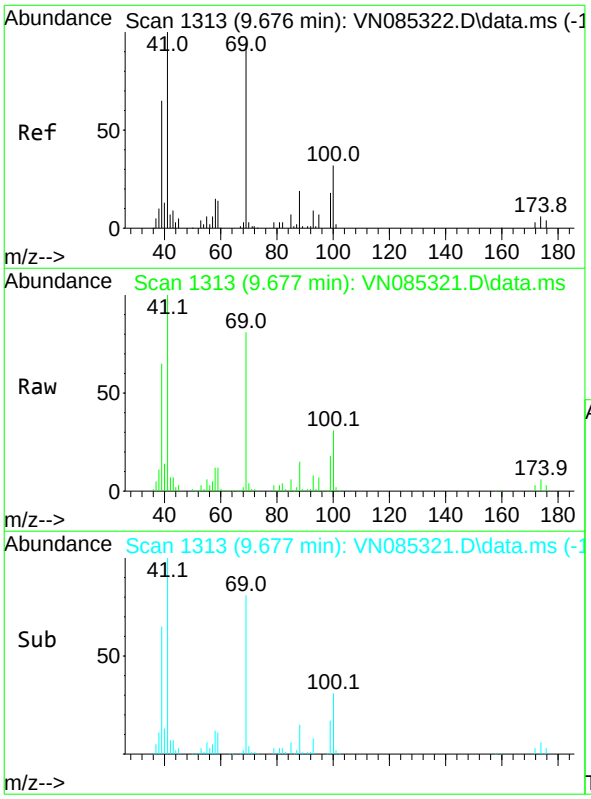
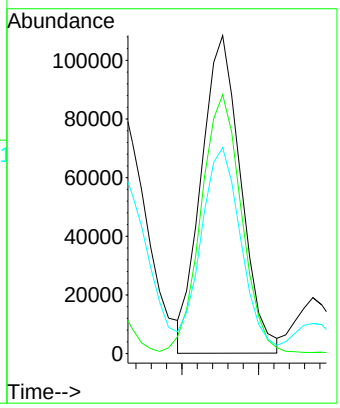
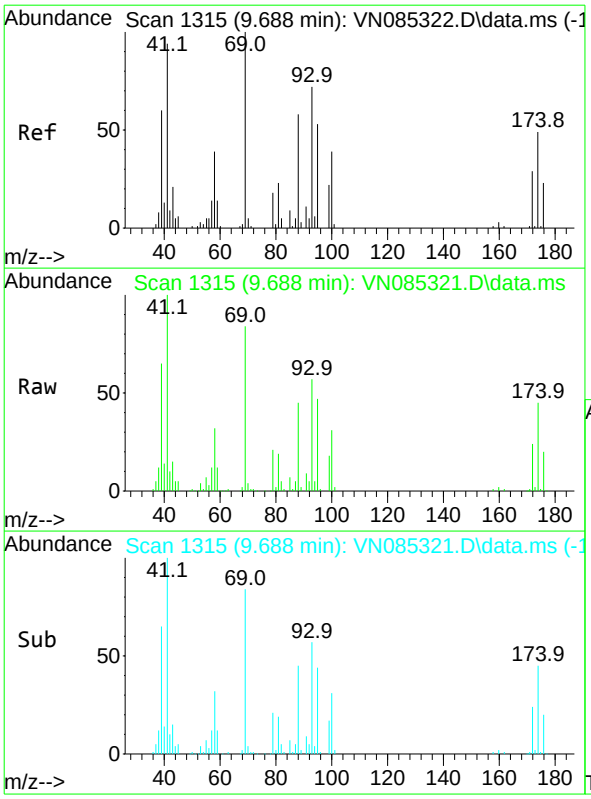


#48
Methyl methacrylate
Concen: 109.038 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 41 Resp: 194022

Ion	Ratio	Lower	Upper
41	100		
69	83.2	67.7	101.5
39	65.4	51.2	76.8

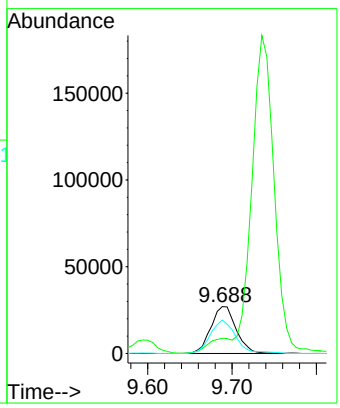




#49
1,4-Dioxane
Concen: 2096.049 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 88 Resp: 56273

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	71.6	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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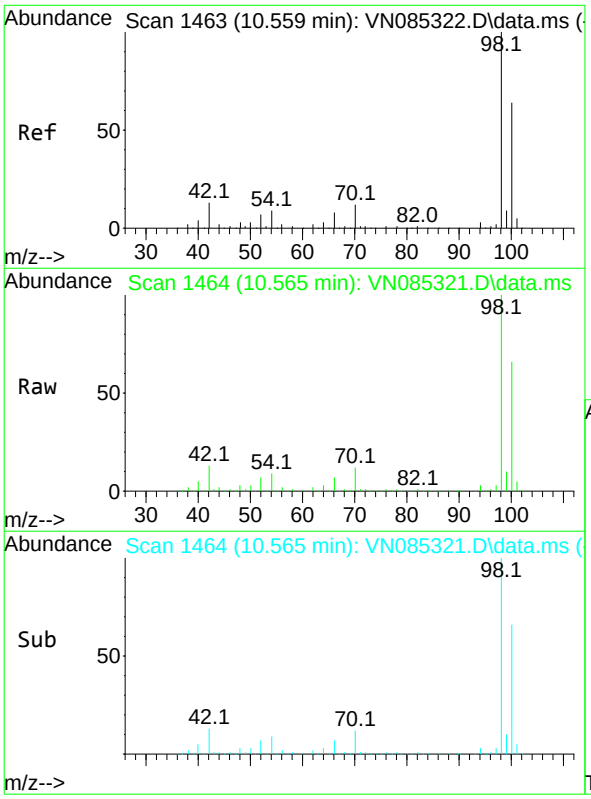
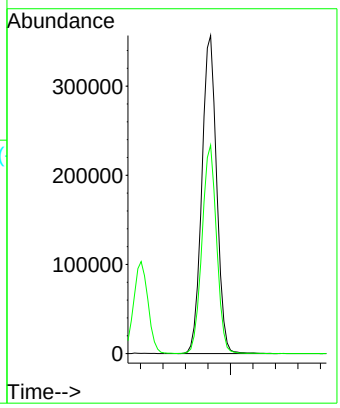
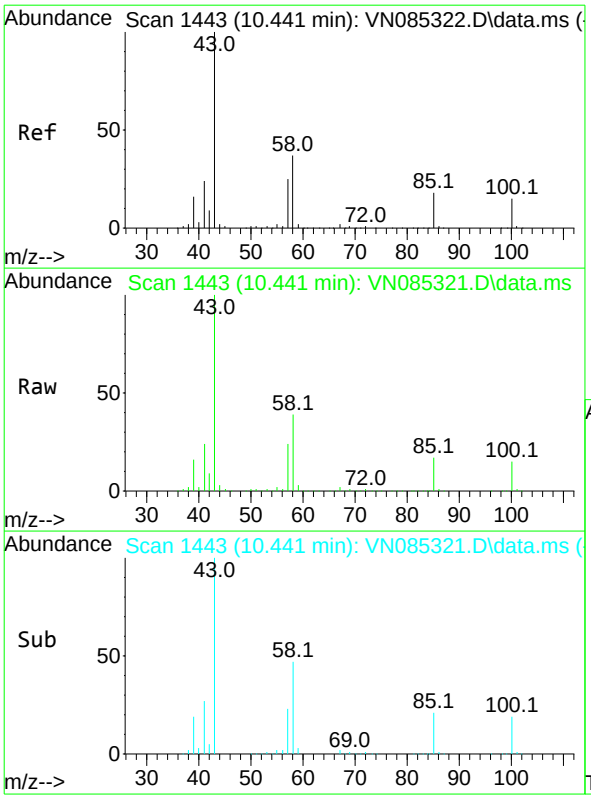


#50
Toluene-d8
Concen: 103.853 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 98 Resp: 652176

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3

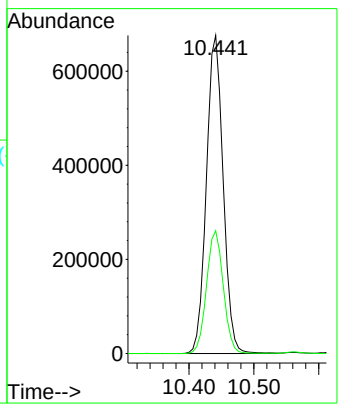




#51
4-Methyl-2-Pentanone
Concen: 525.905 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 1211949

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
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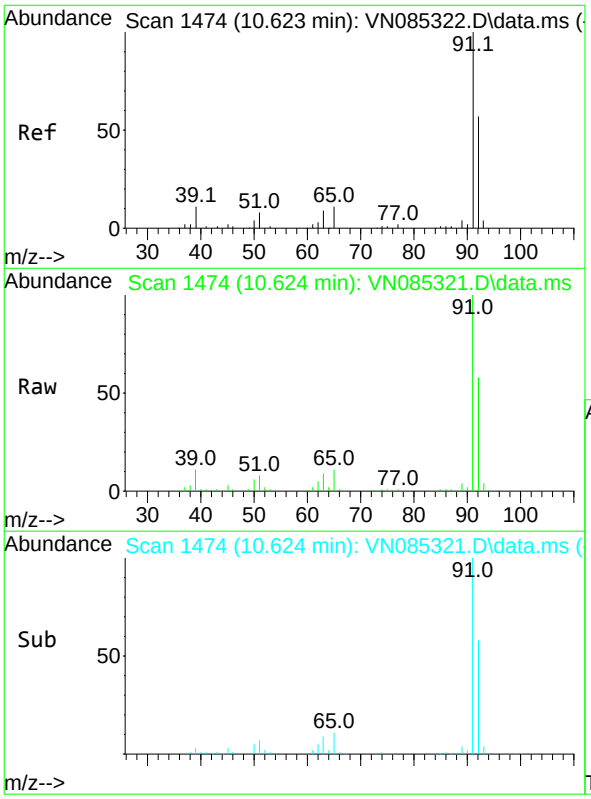
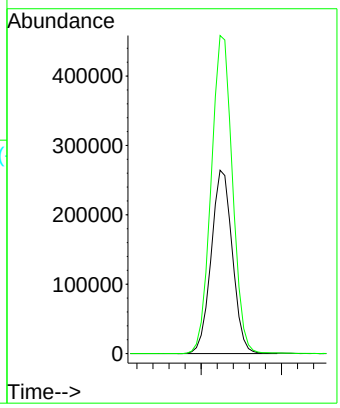
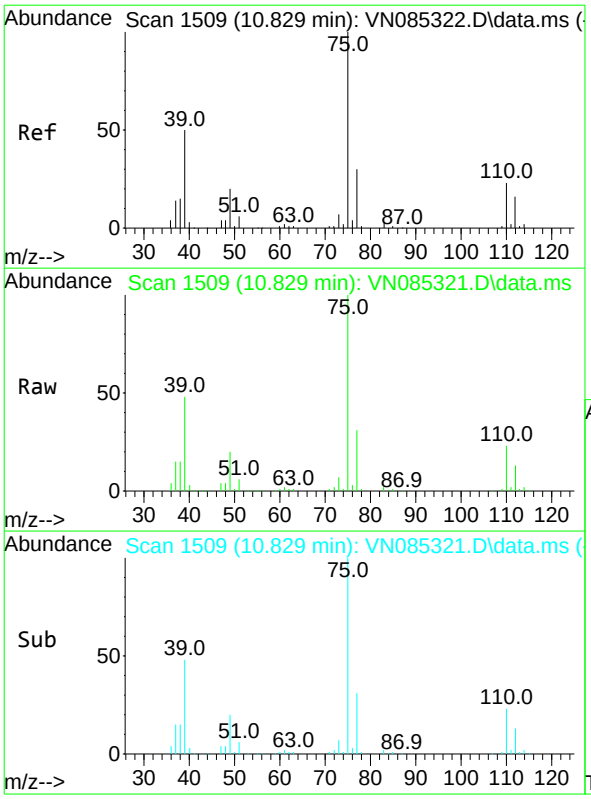


#52
Toluene
Concen: 107.195 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 92 Resp: 483534

Ion	Ratio	Lower	Upper
92	100		
91	174.8	140.2	210.4

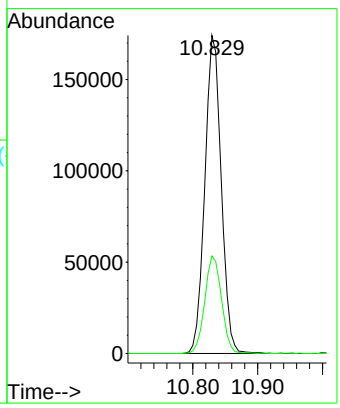




#53
t-1,3-Dichloropropene
Concen: 111.463 ug/l
RT: 10.829 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 304711

Ion	Ratio	Lower	Upper
75	100		
77	30.7	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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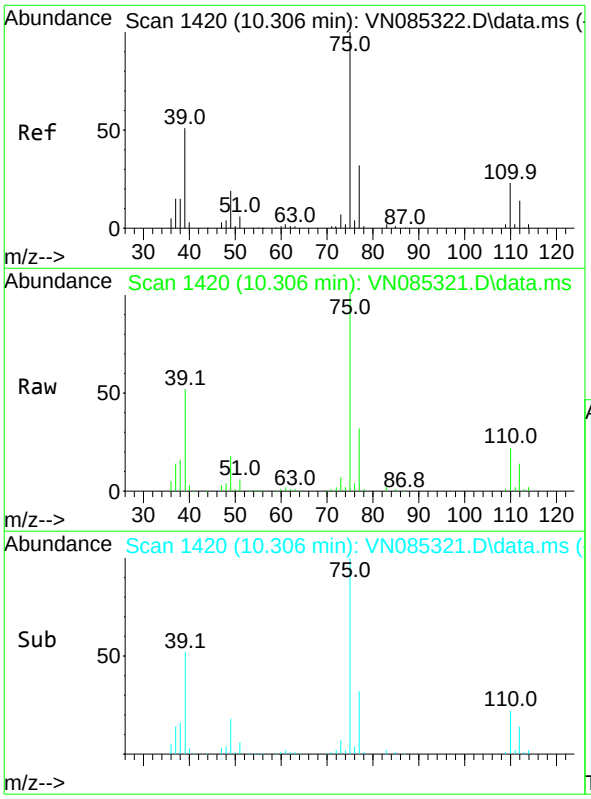
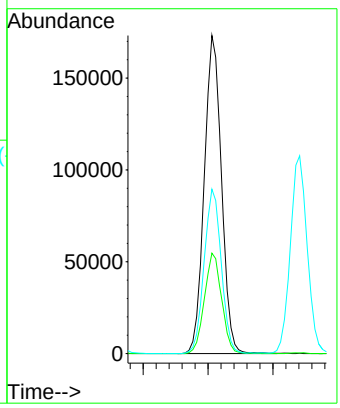
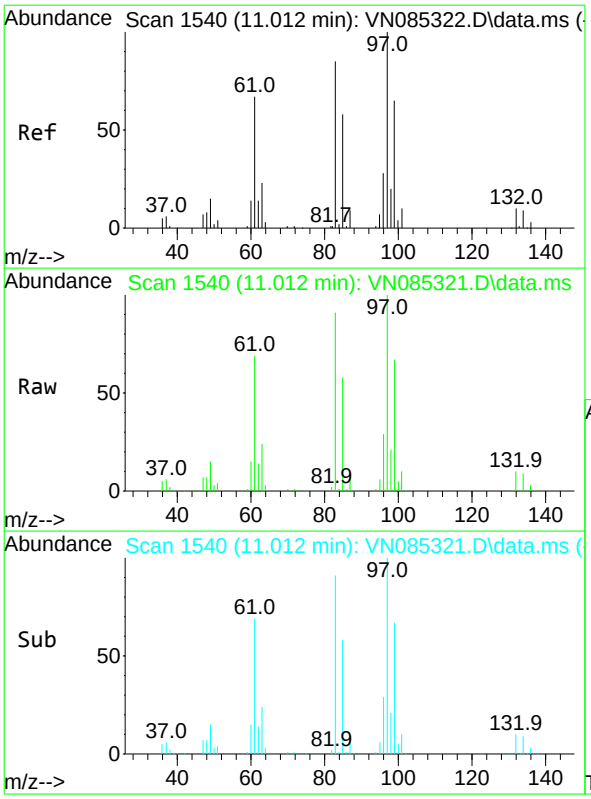


#54
cis-1,3-Dichloropropene
Concen: 107.971 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 319172

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	51.7	40.5	60.7

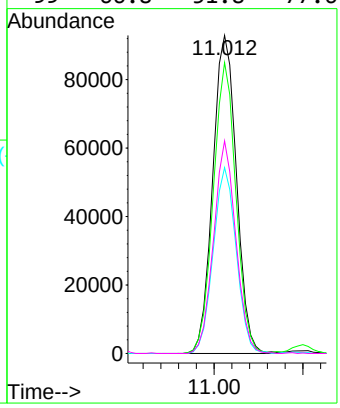




#55
1,1,2-Trichloroethane
Concen: 101.034 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 97 Resp: 172065

Ion	Ratio	Lower	Upper
97	100		
83	91.5	67.7	101.5
85	58.4	46.2	69.4
99	66.8	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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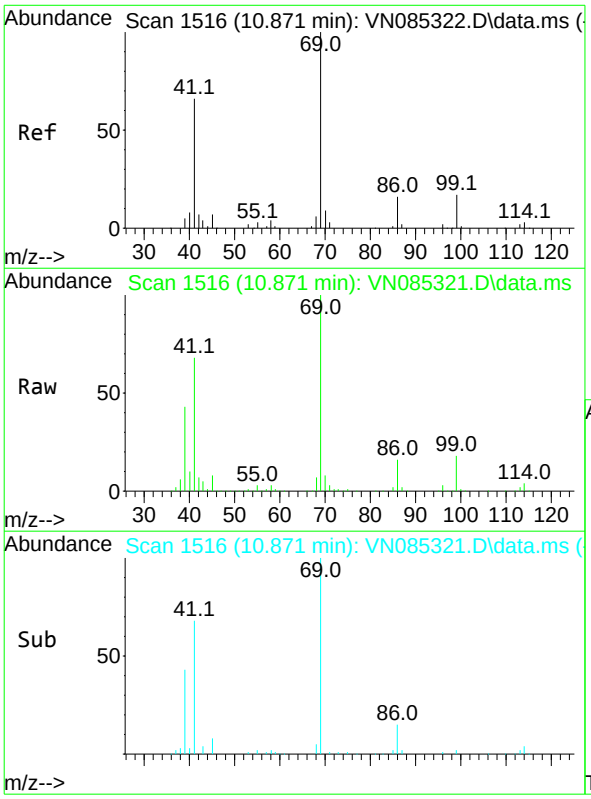
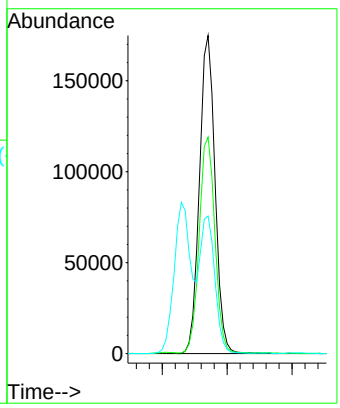
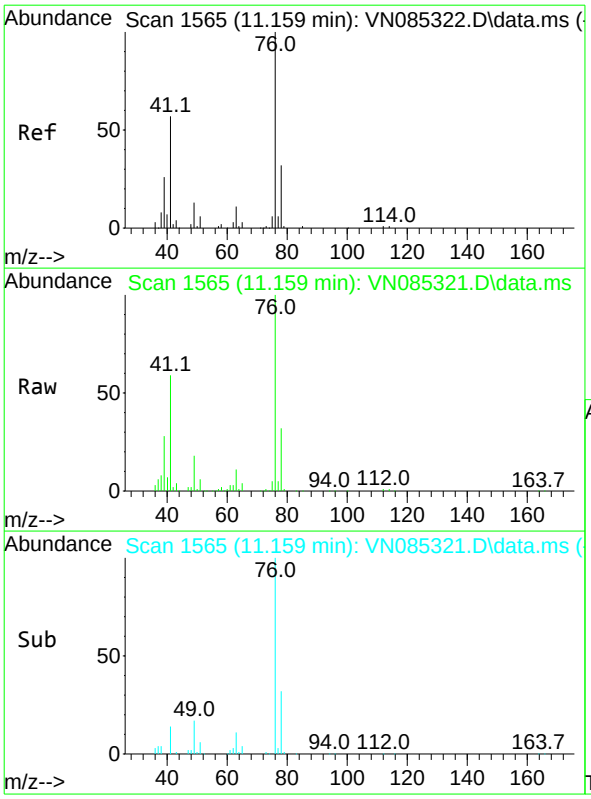


#56
Ethyl methacrylate
Concen: 117.730 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 69 Resp: 292009

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.3	81.5
39	39.7	32.0	48.0

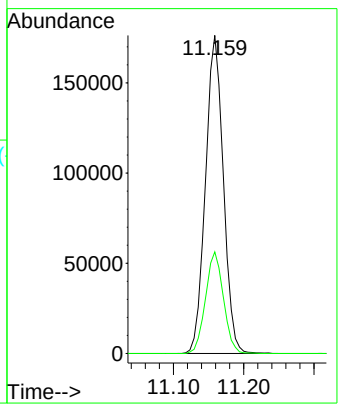




#57
1,3-Dichloropropane
Concen: 104.087 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 76 Resp: 311119

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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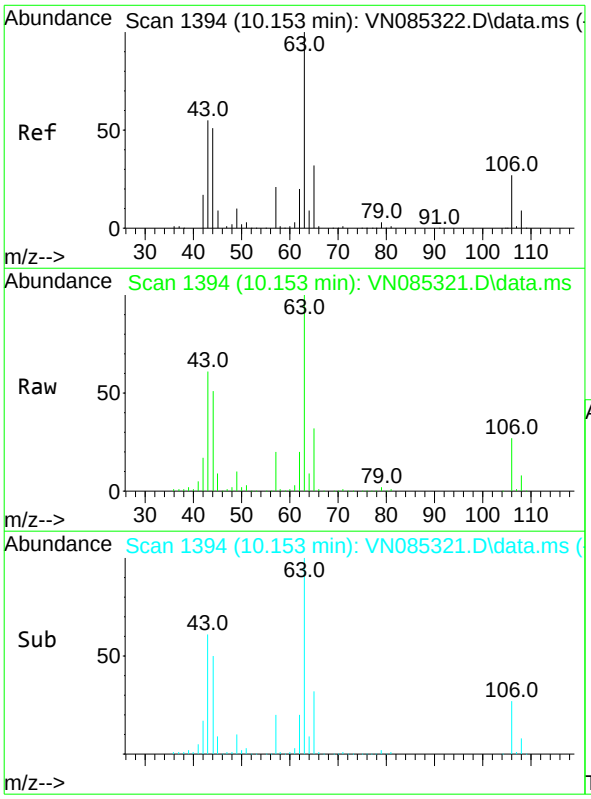
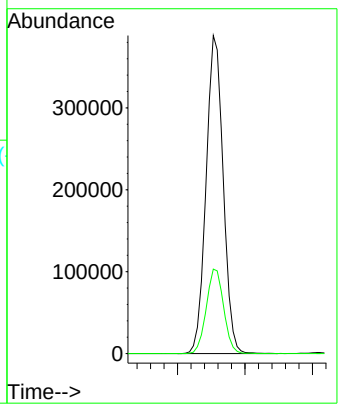
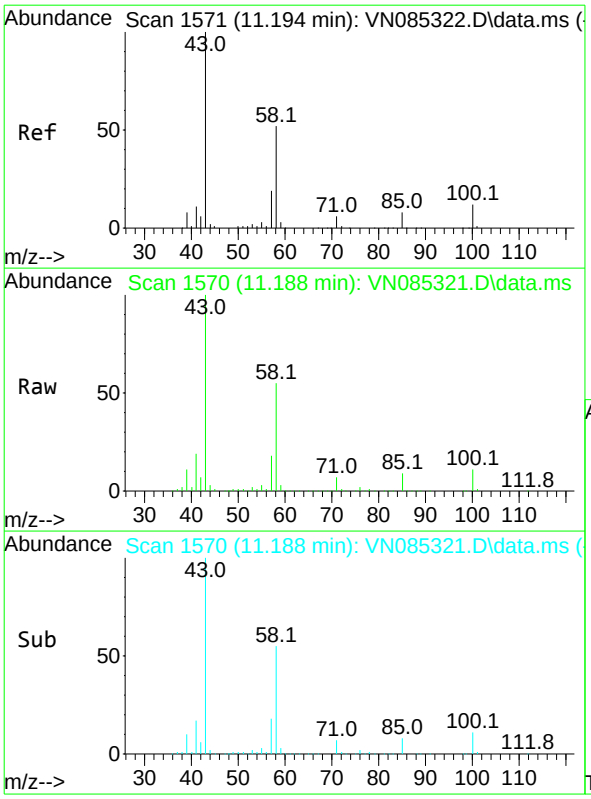


#58
2-Chloroethyl Vinyl ether
Concen: 569.087 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 63 Resp: 682916

Ion	Ratio	Lower	Upper
63	100		
106	26.9	22.1	33.1

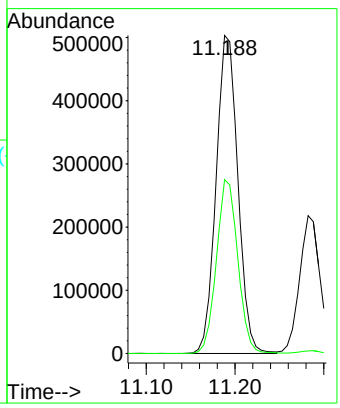




#59
2-Hexanone
Concen: 536.829 ug/l
RT: 11.188 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 858322

Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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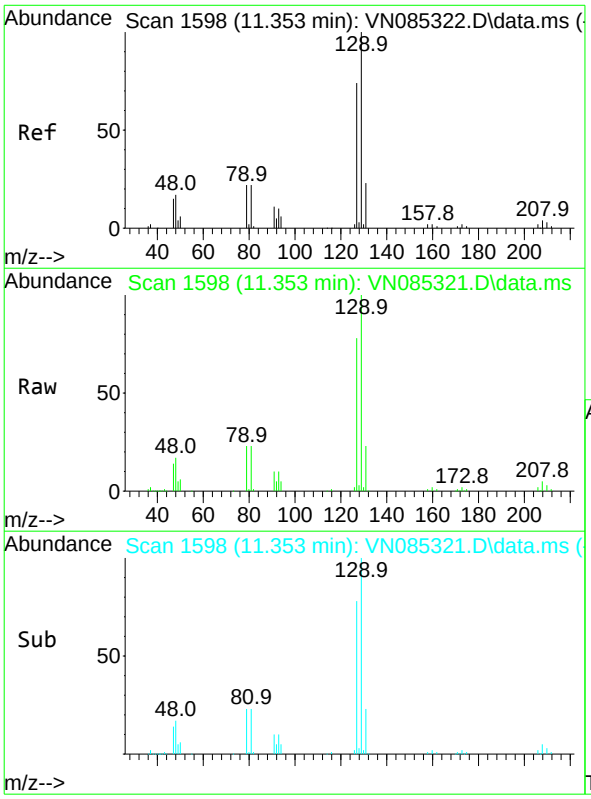
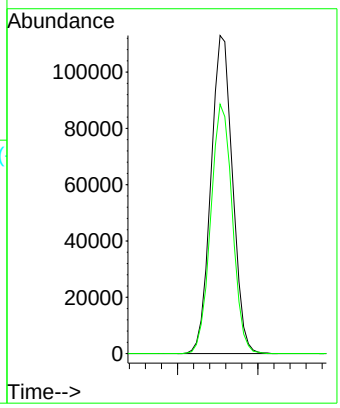
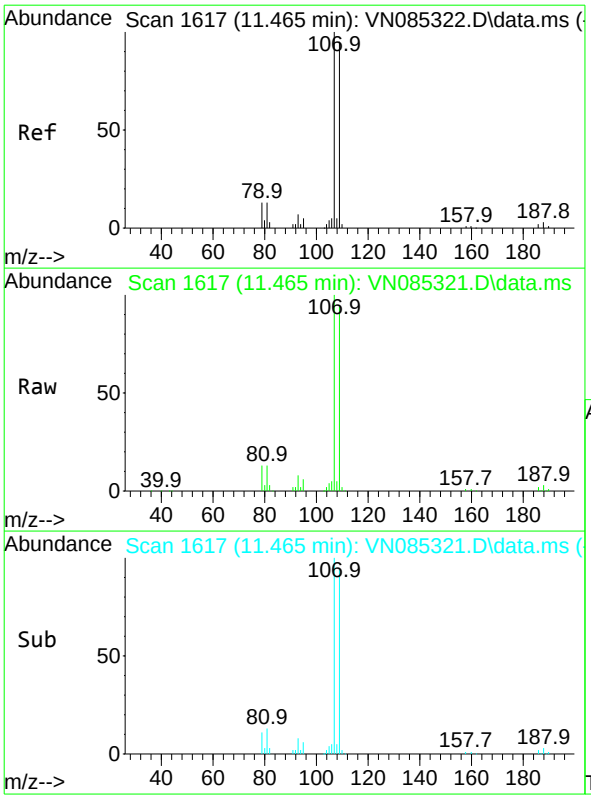


#60
Dibromochloromethane
Concen: 110.251 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:129 Resp: 211482

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9

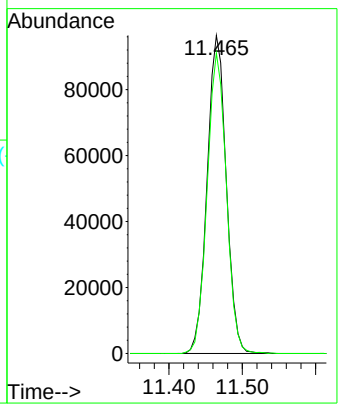




#61
1,2-Dibromoethane
Concen: 103.568 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:107 Resp: 174500

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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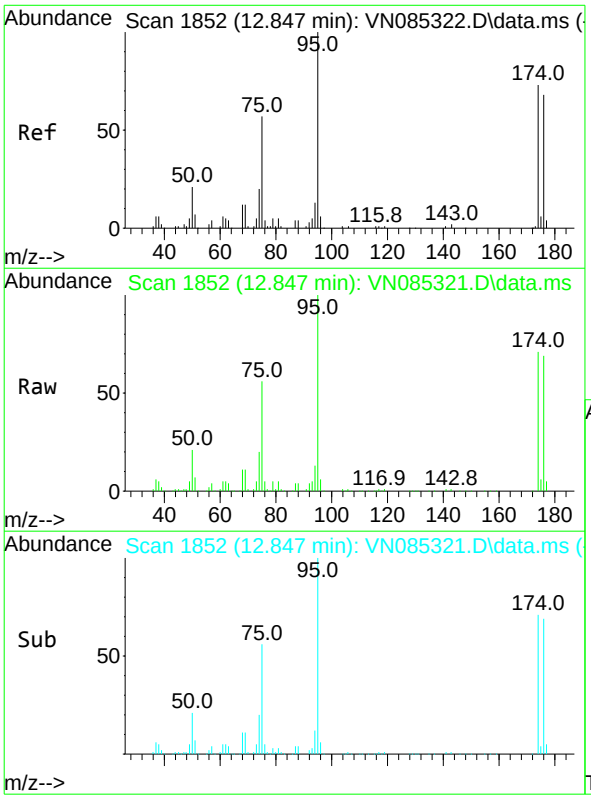
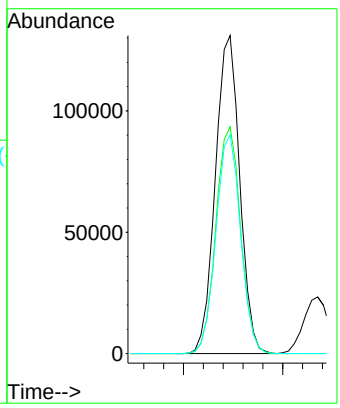
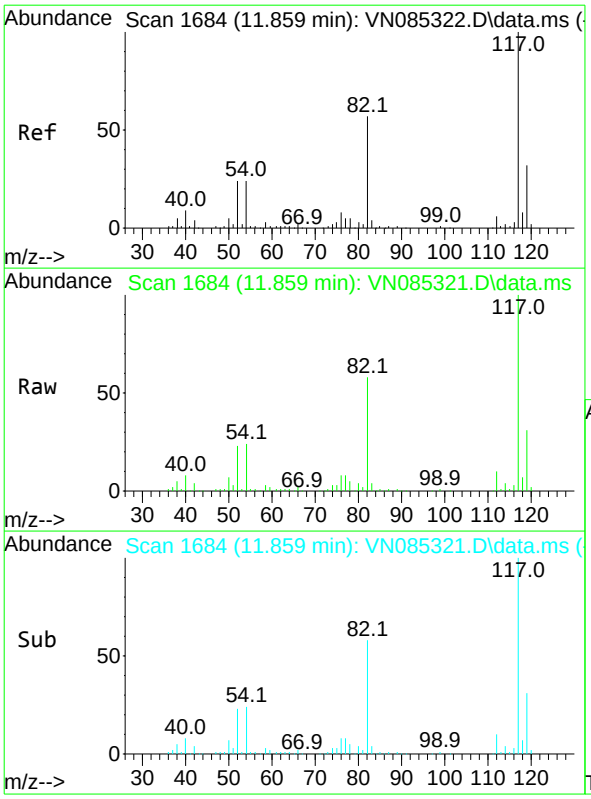


#62
4-Bromofluorobenzene
Concen: 107.189 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 95 Resp: 223549

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	143.2
176	69.5	0.0	135.8

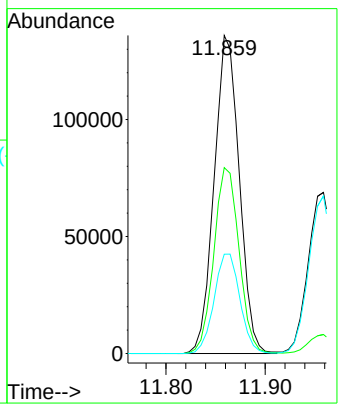




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:117 Resp: 239296

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.7	68.5
119	31.2	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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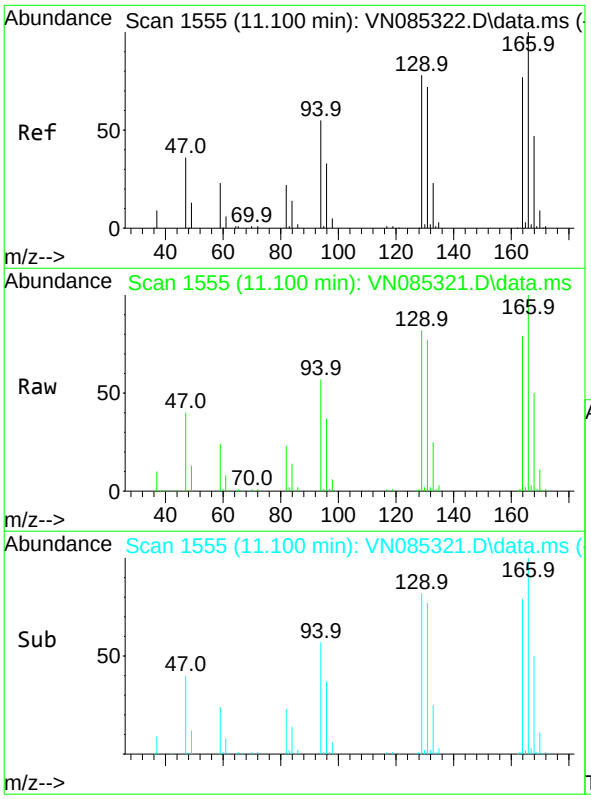
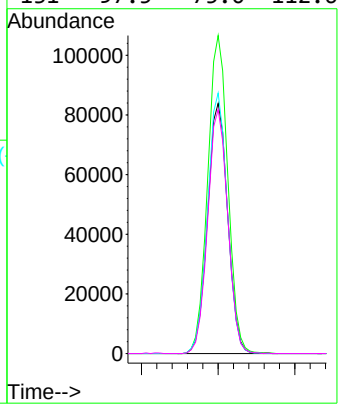
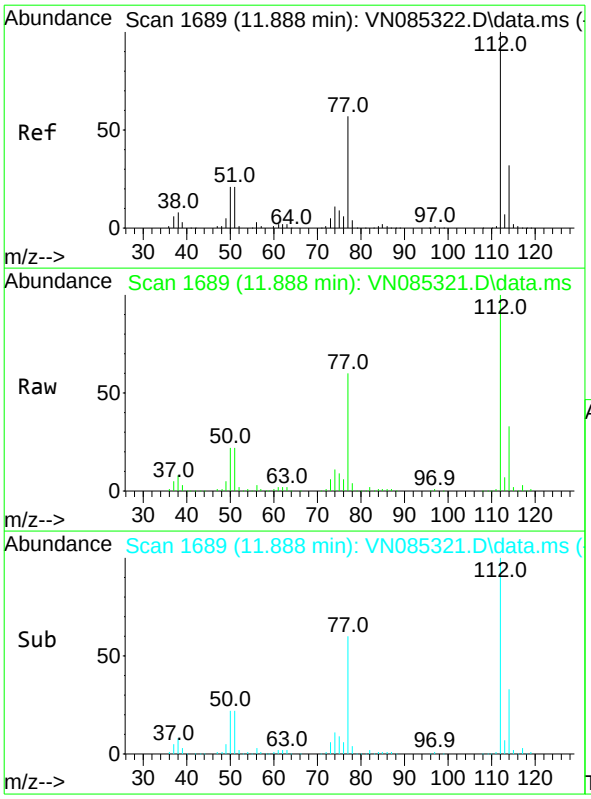


#64
Tetrachloroethene
Concen: 101.335 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:164 Resp: 153652

Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.0	156.0
129	104.1	81.3	121.9
131	97.5	75.0	112.6

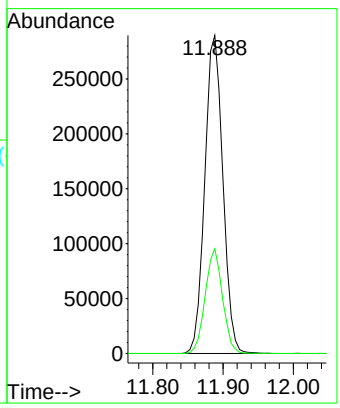




#65
Chlorobenzene
Concen: 99.951 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:112 Resp: 516861

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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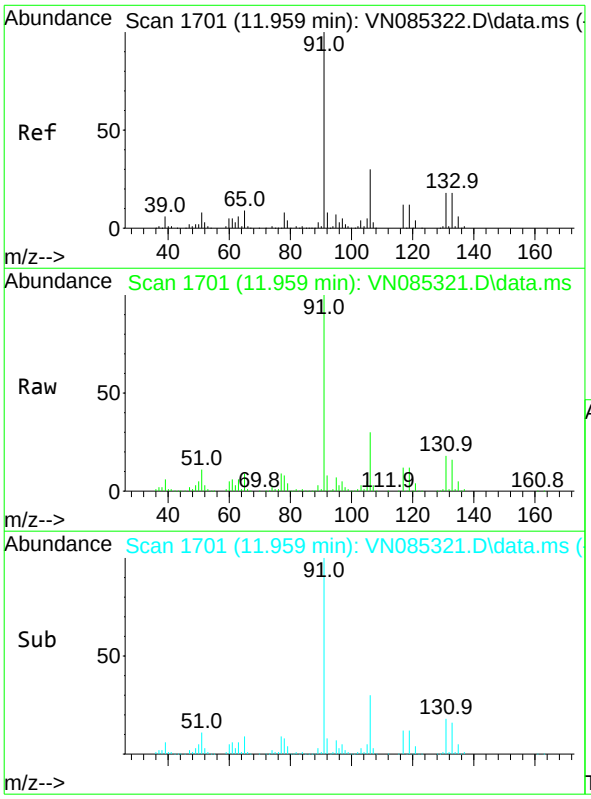
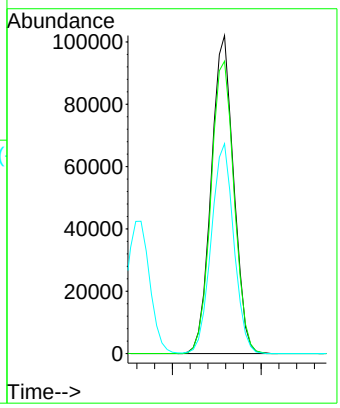
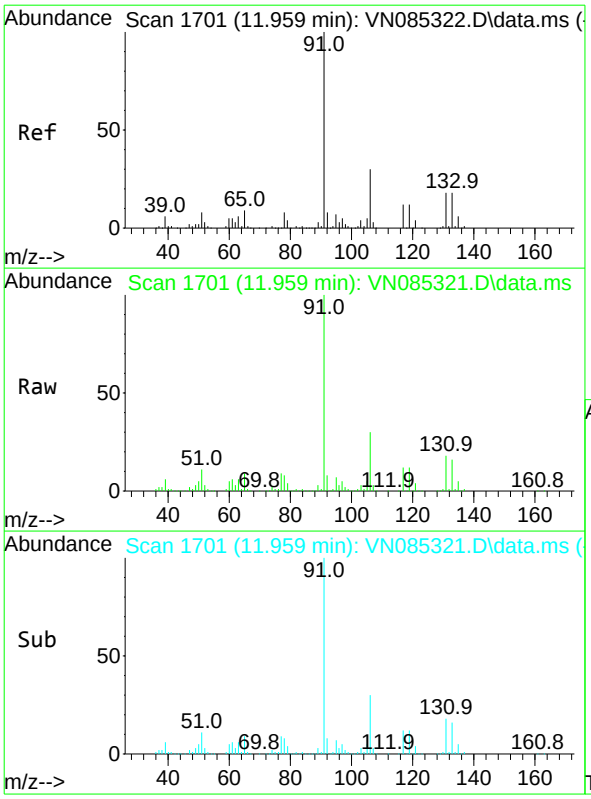


#66
1,1,1,2-Tetrachloroethane
Concen: 103.229 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:131 Resp: 179160

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.3	144.9
119	66.3	33.4	100.1

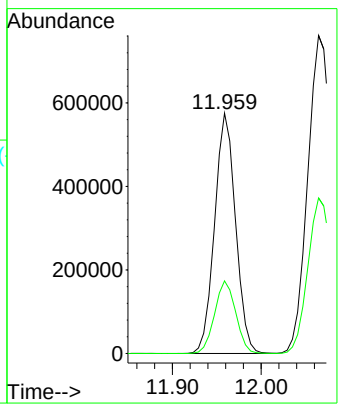




#67
Ethyl Benzene
Concen: 109.652 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 942995

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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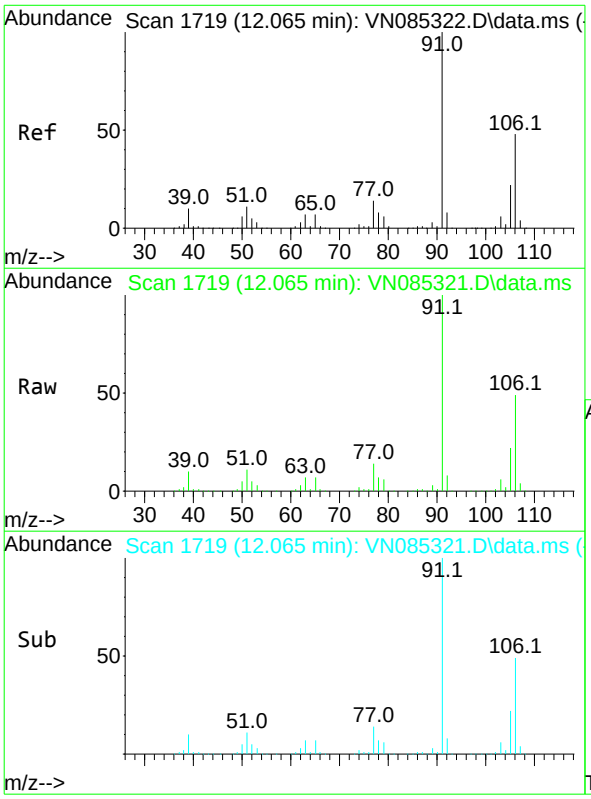
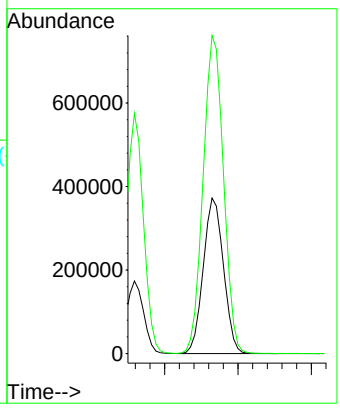
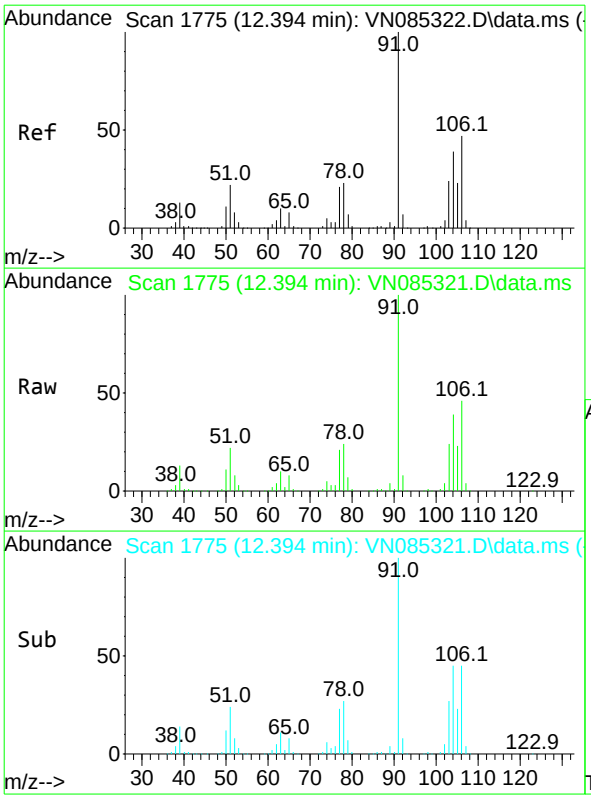


#68
m/p-Xylenes
Concen: 226.828 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:106 Resp: 713871

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.2	247.8

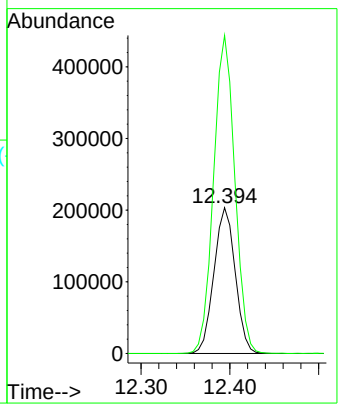




#69
o-Xylene
Concen: 111.332 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:106 Resp: 338950

Ion	Ratio	Lower	Upper
106	100		
91	217.9	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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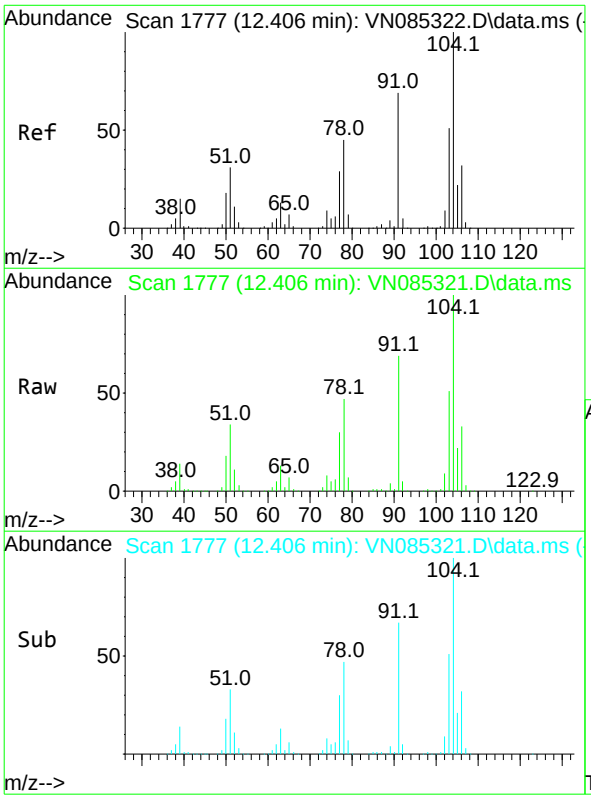
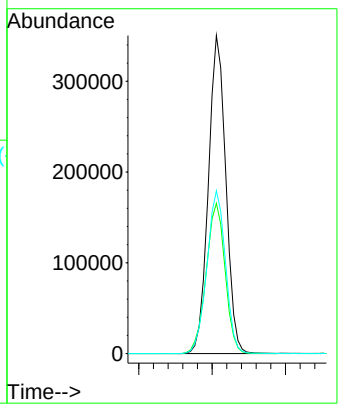
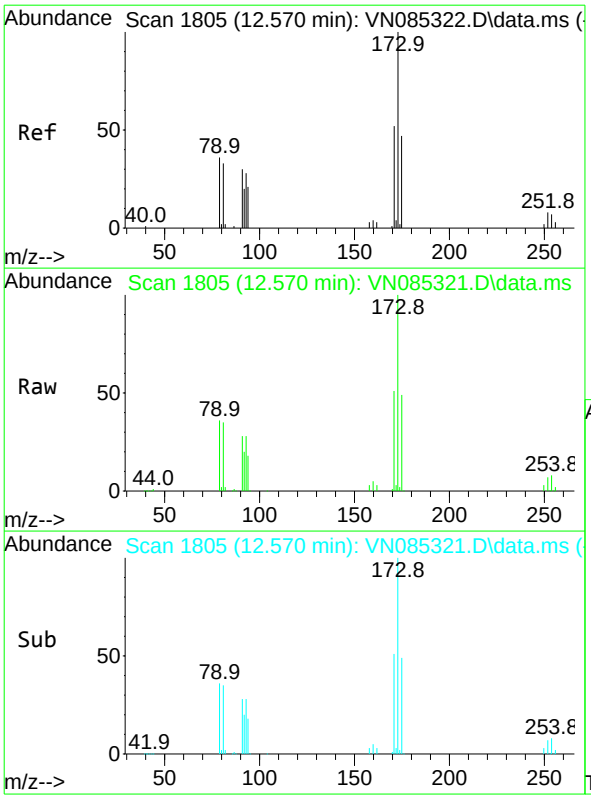


#70
Styrene
Concen: 117.286 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:104 Resp: 578718

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.7	61.1
103	54.7	44.1	66.1

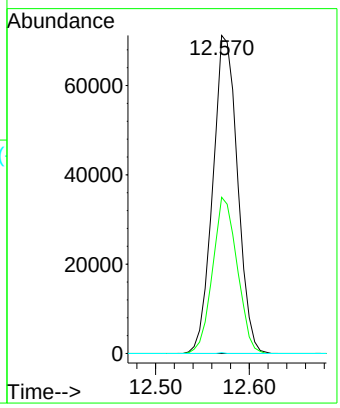




#71
Bromoform
Concen: 108.523 ug/l
RT: 12.570 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:173 Resp: 130453

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.1	0.0	0.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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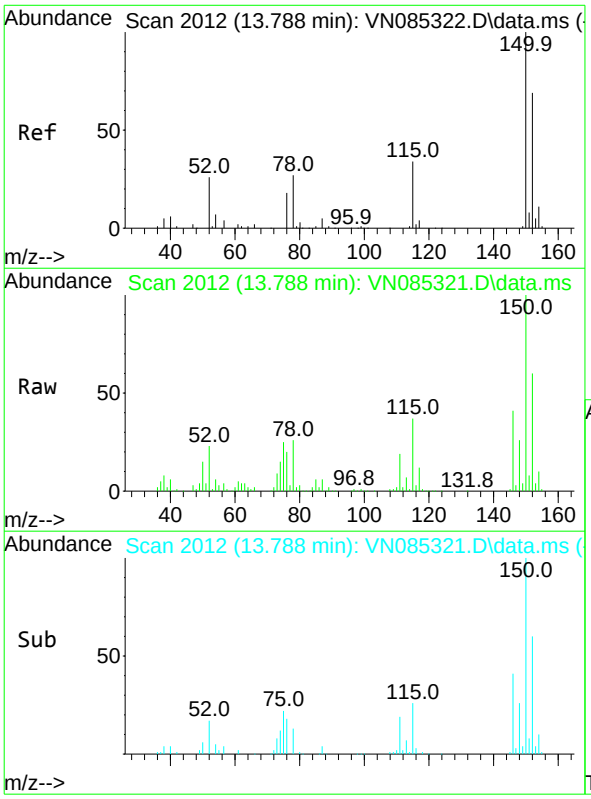
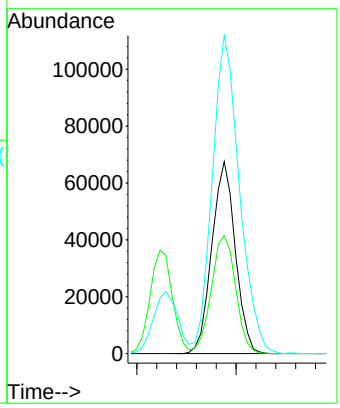
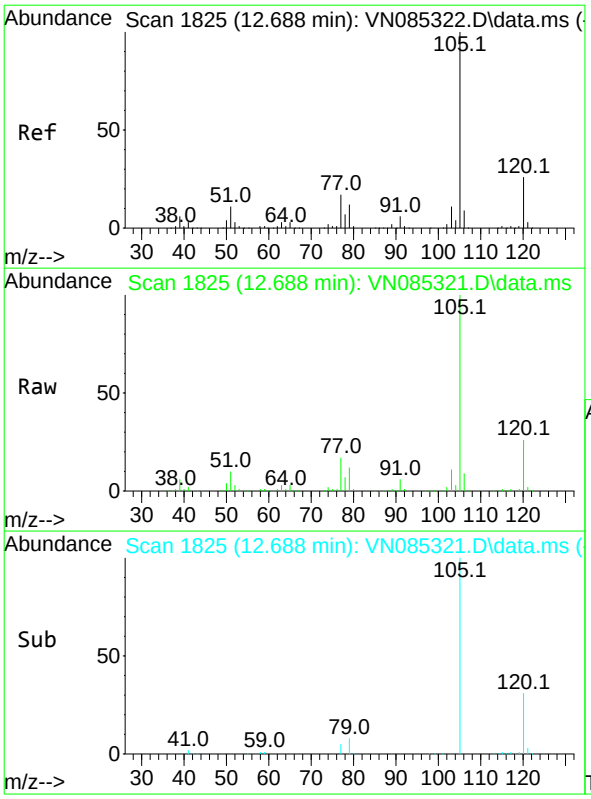


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:152 Resp: 110806

Ion	Ratio	Lower	Upper
152	100		
115	63.8	30.4	91.3
150	192.1	0.0	345.0

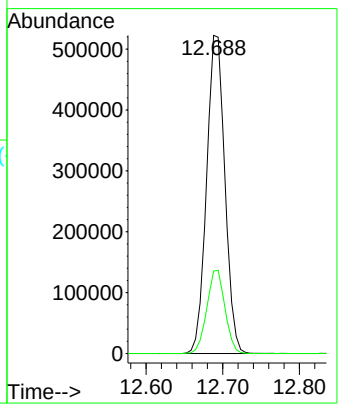




#73
Isopropylbenzene
Concen: 108.621 ug/l
RT: 12.688 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 865504

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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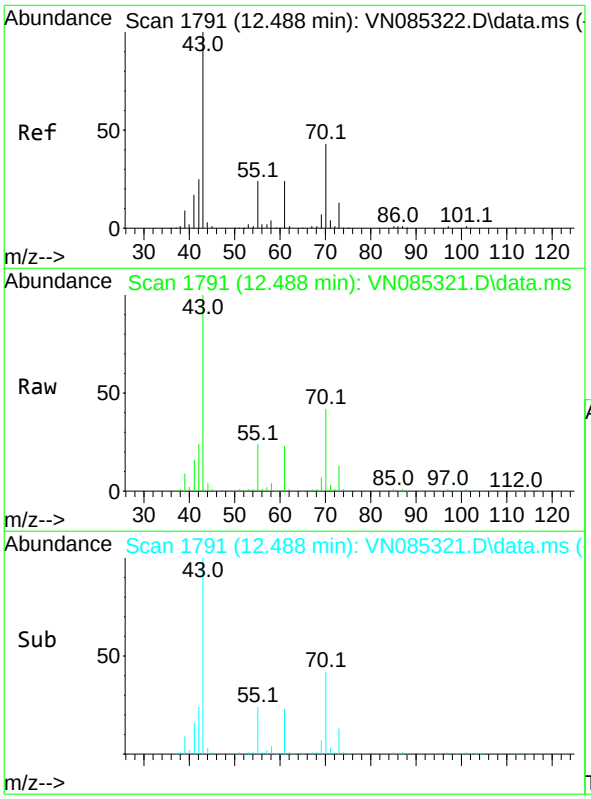
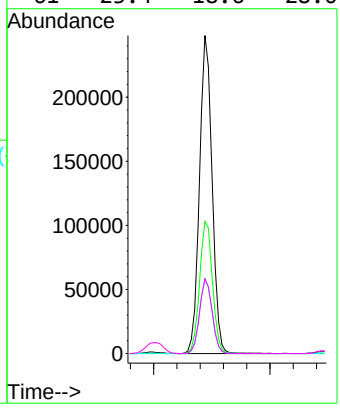
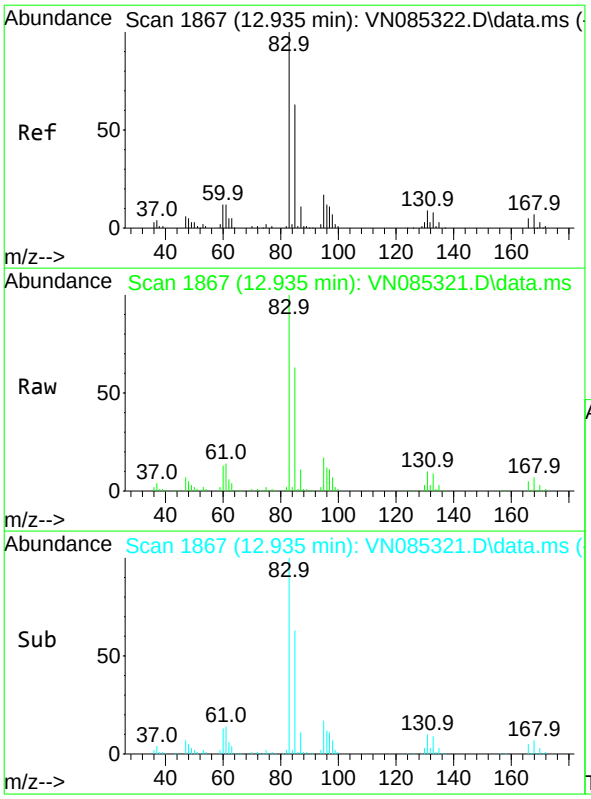


#74
N-amyl acetate
Concen: 109.477 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 373392

Ion	Ratio	Lower	Upper
43	100		
70	42.5	33.4	50.0
55	23.6	19.2	28.8
61	23.4	18.6	28.0

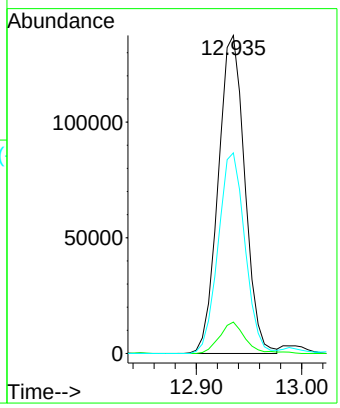




#75
1,1,2,2-Tetrachloroethane
Concen: 94.731 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 83 Resp: 240405

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	63.6	32.6	98.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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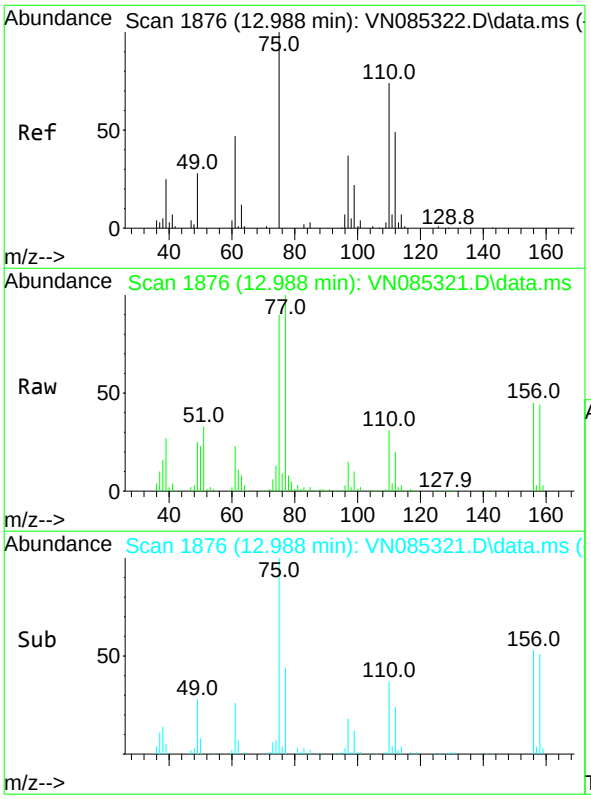
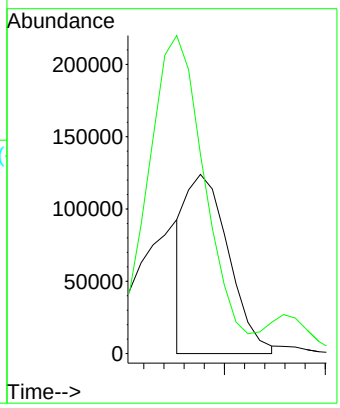
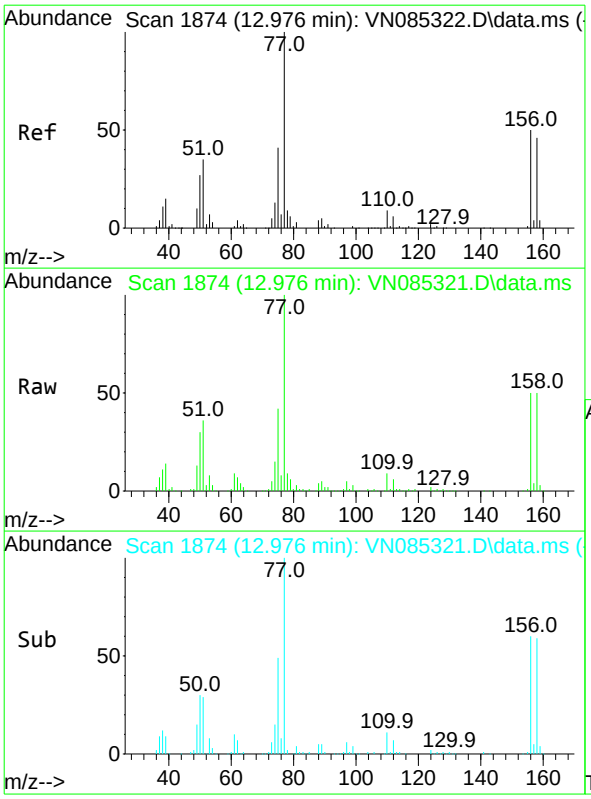


#76
1,2,3-Trichloropropane
Concen: 85.937 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 182933

Ion	Ratio	Lower	Upper
75	100		
77	237.9	98.1	294.3

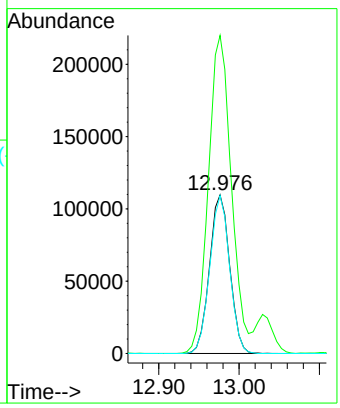




#77
Bromobenzene
Concen: 97.157 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:156 Resp: 191802

Ion	Ratio	Lower	Upper
156	100		
77	226.9	114.0	342.0
158	97.4	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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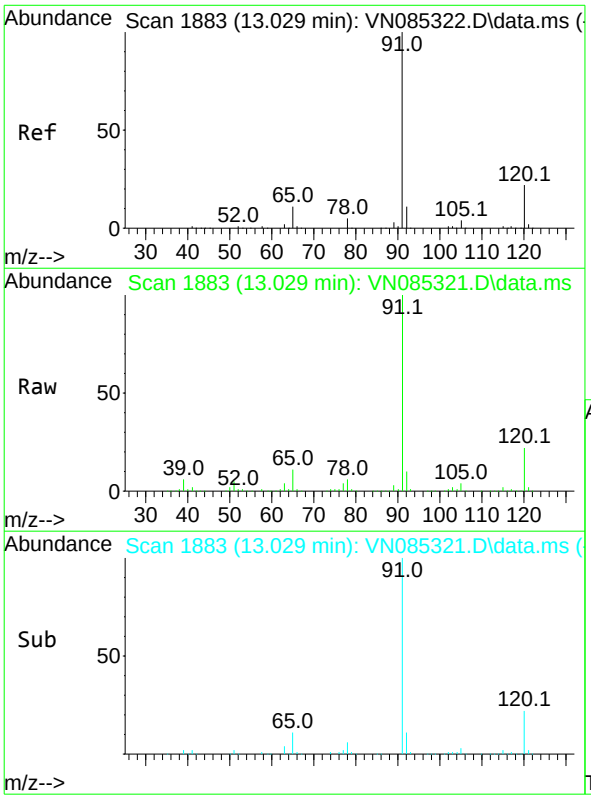
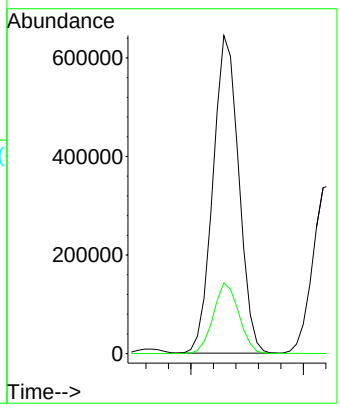
Supervised By :Mahesh Dadoda 12/30/2024

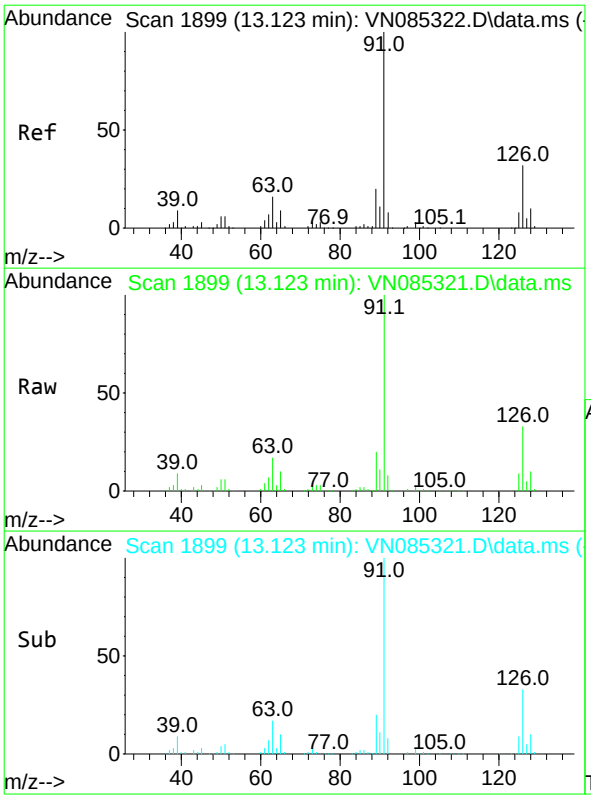


#78
n-propylbenzene
Concen: 110.557 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 1026870

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9

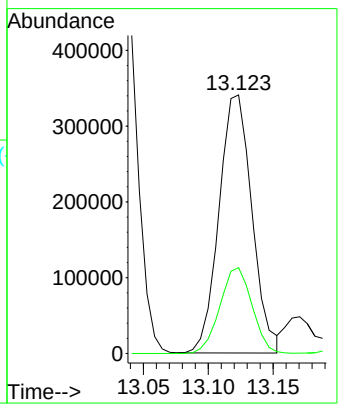




#79
2-Chlorotoluene
Concen: 103.099 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 602668

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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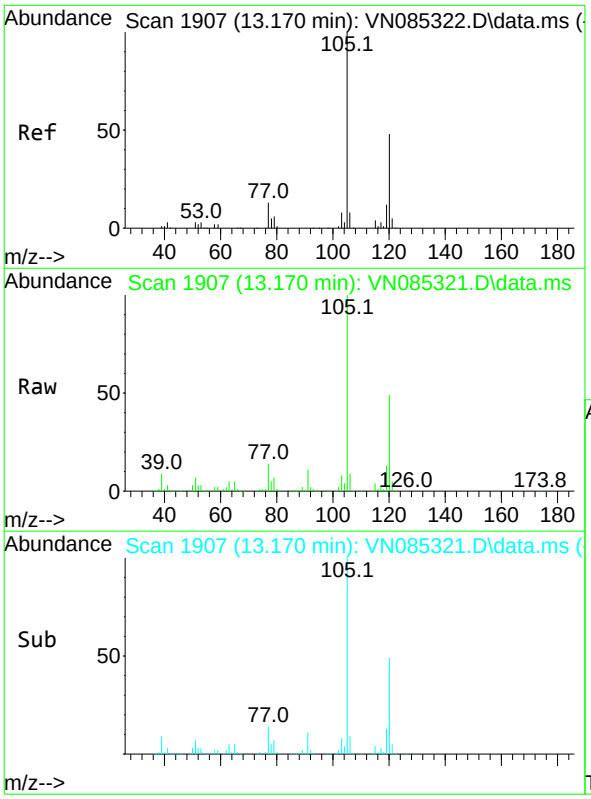
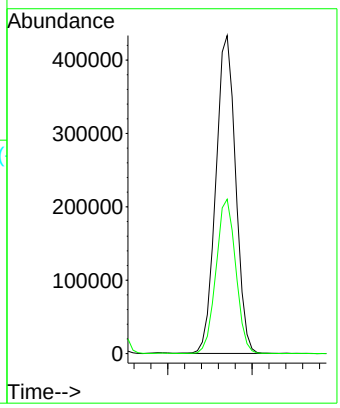
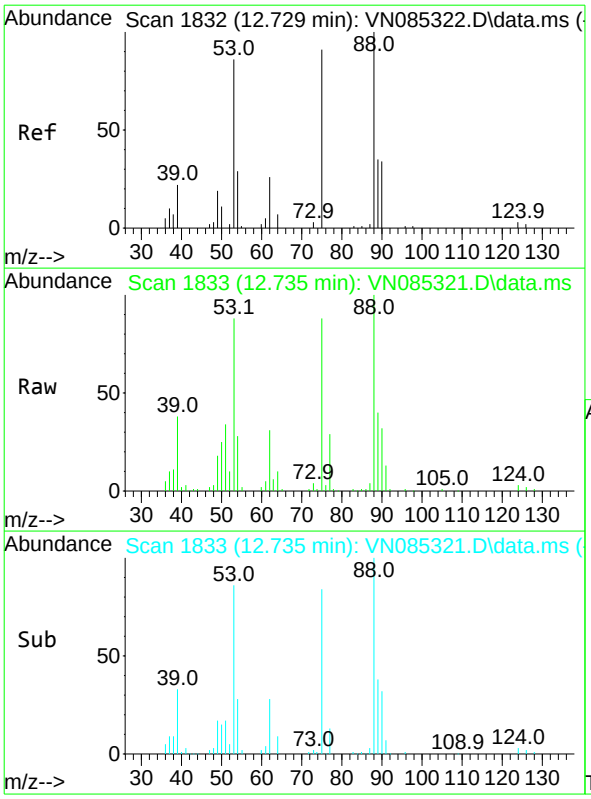


#80
1,3,5-Trimethylbenzene
Concen: 109.682 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 706917

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.0	72.0

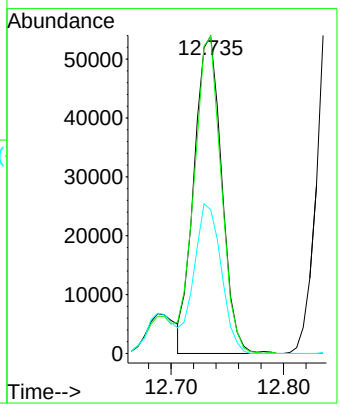




#81
trans-1,4-Dichloro-2-butene
Concen: 106.602 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 91679

Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.0	120.0
89	46.8	35.8	53.8



Instrument :
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ClientSampleId :
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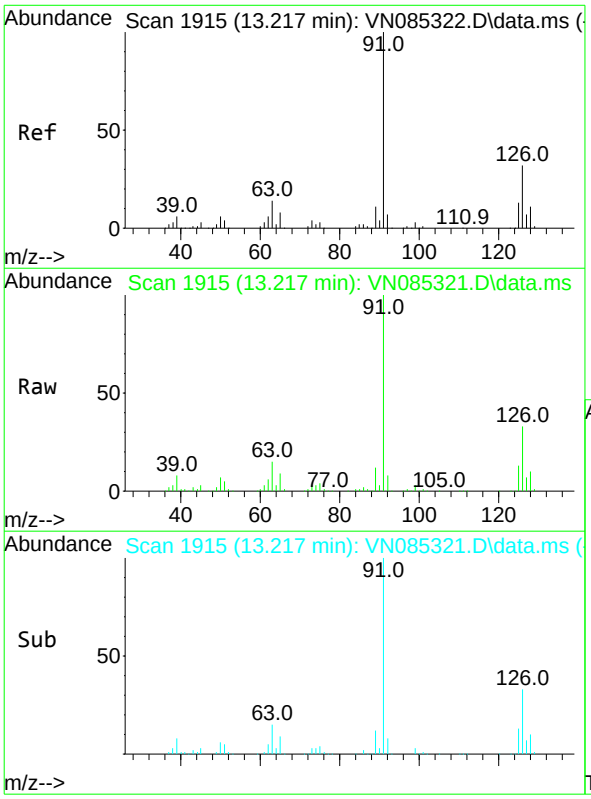
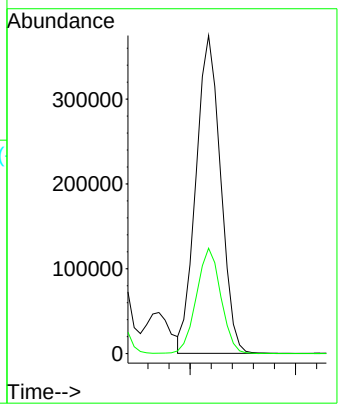
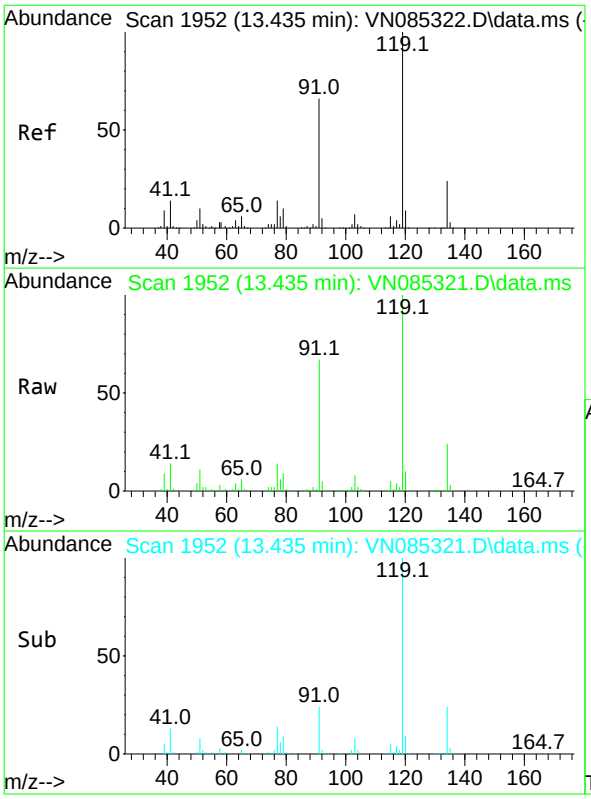


#82
4-Chlorotoluene
Concen: 103.257 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 607903

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

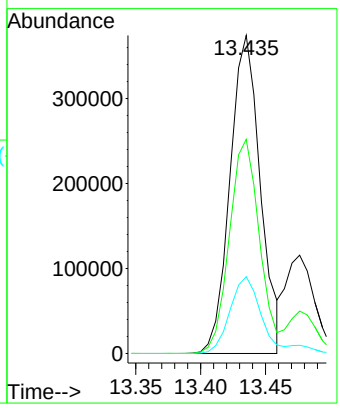




#83
tert-Butylbenzene
Concen: 109.059 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:119 Resp: 608882

Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.6	100.8
134	24.3	13.3	39.8



Instrument :
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ClientSampleId :
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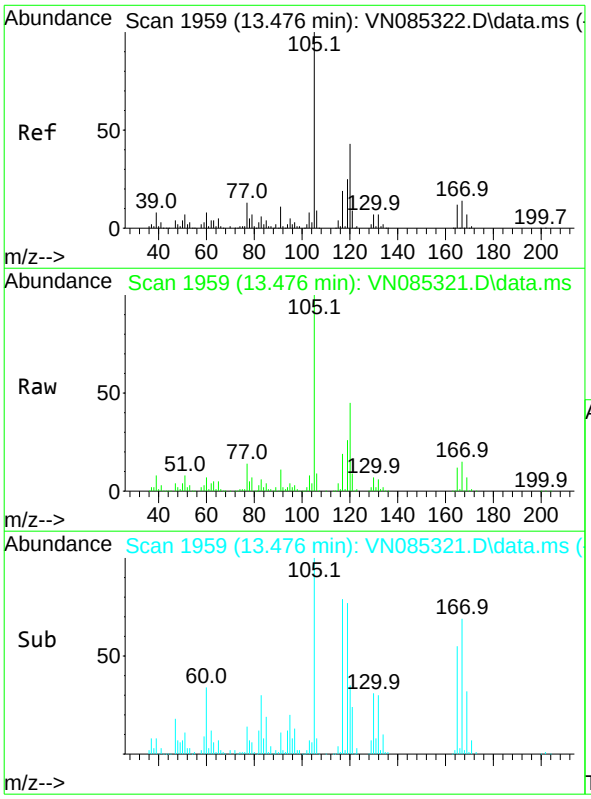
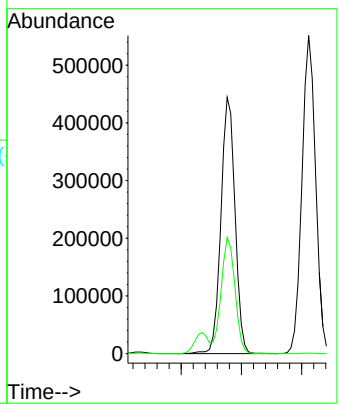
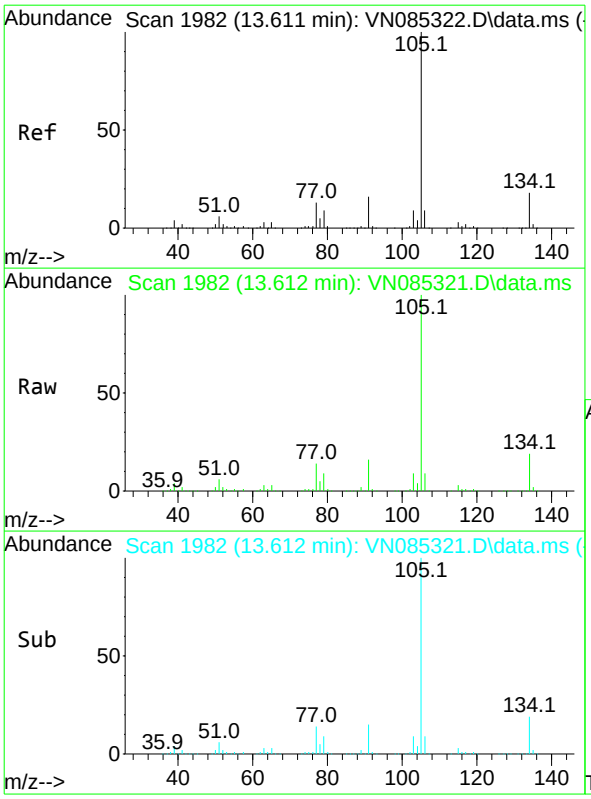


#84
1,2,4-Trimethylbenzene
Concen: 112.160 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 719806

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.7	65.1

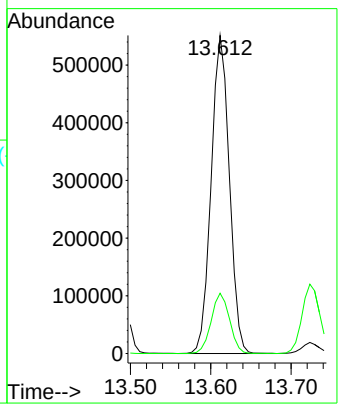




#85
sec-Butylbenzene
Concen: 112.004 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 867992

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.3



Instrument :
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ClientSampleId :
VSTDICC100

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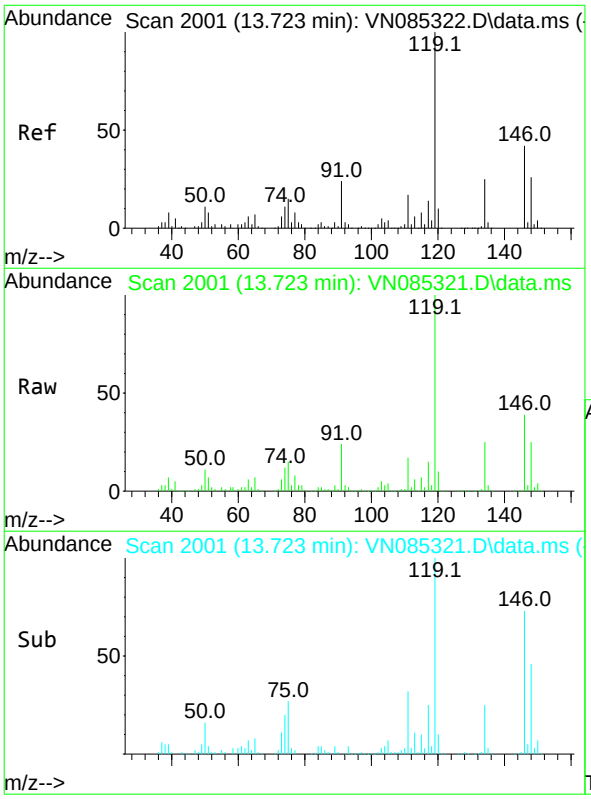
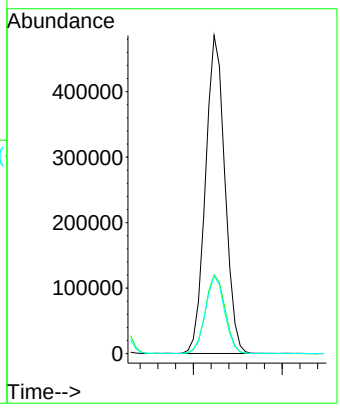
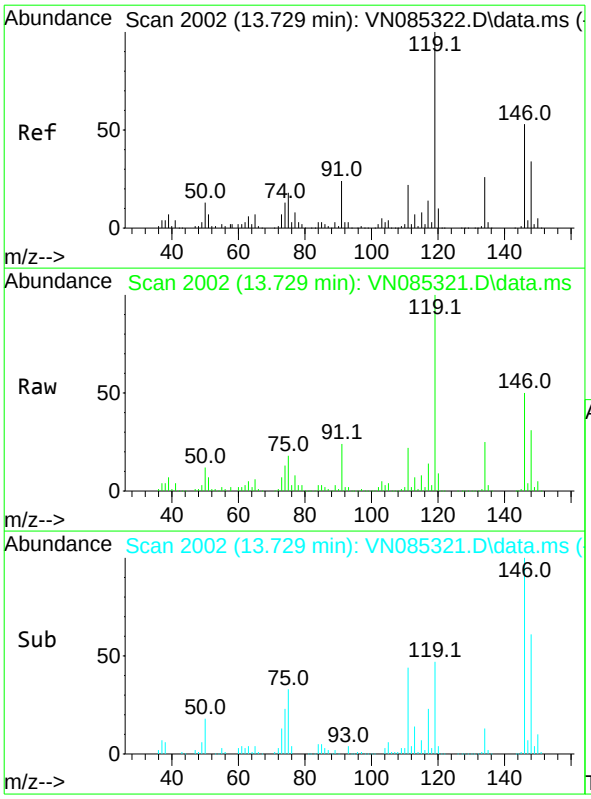


#86
p-Isopropyltoluene
Concen: 100.116 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:119 Resp: 736735

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	24.0	12.2	36.4

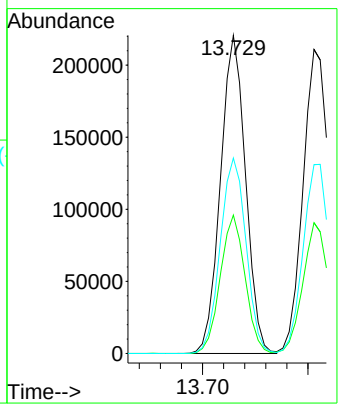




#87
1,3-Dichlorobenzene
Concen: 101.845 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:146 Resp: 364480

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.2	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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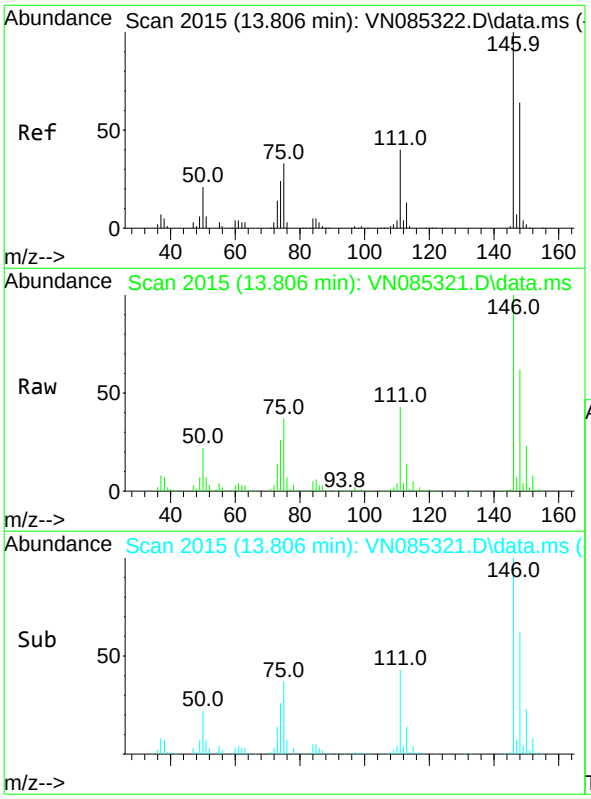
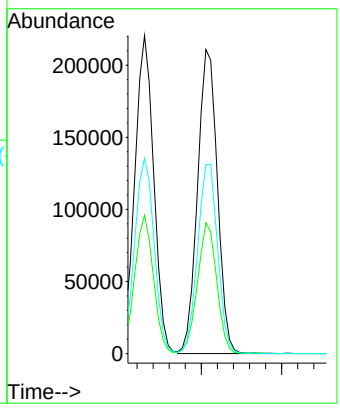
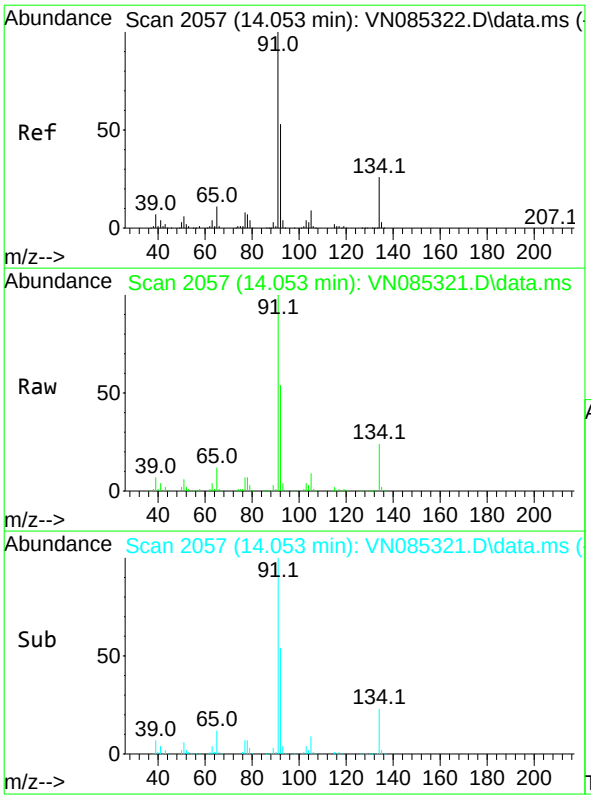


#88
1,4-Dichlorobenzene
Concen: 98.438 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:146 Resp: 361871

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.0	31.7	95.1

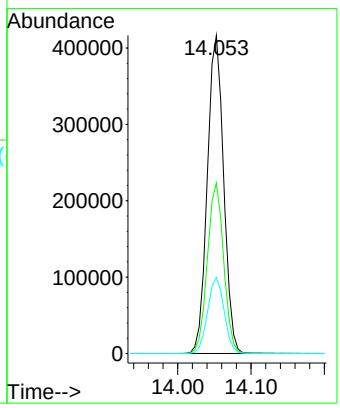




#89
n-Butylbenzene
Concen: 113.544 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 644347

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.0	78.0
134	24.1	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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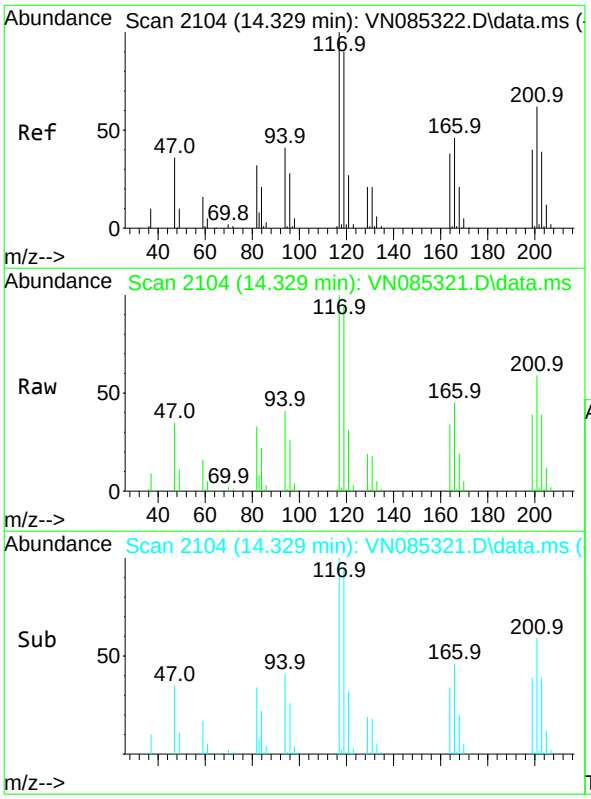
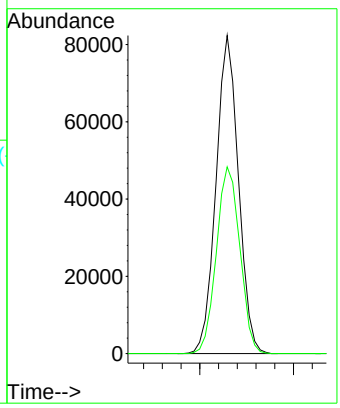
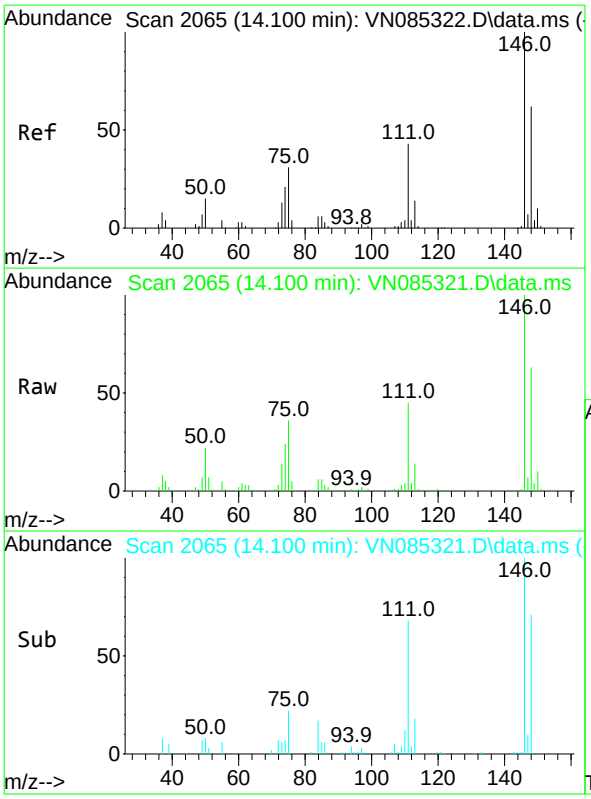


#90
Hexachloroethane
Concen: 107.835 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:117 Resp: 136982

Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.7	92.1

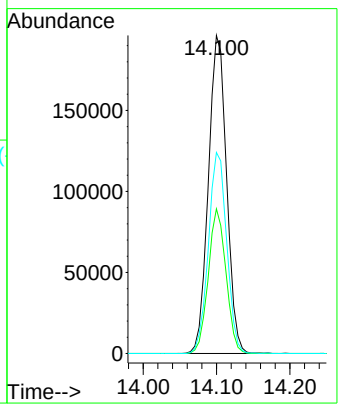




#91
1,2-Dichlorobenzene
Concen: 99.377 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:146 Resp: 338794

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
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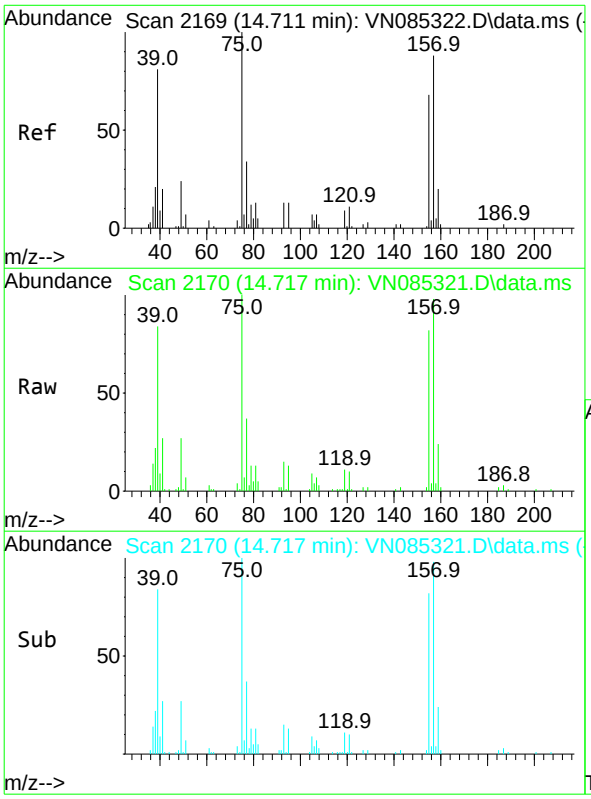
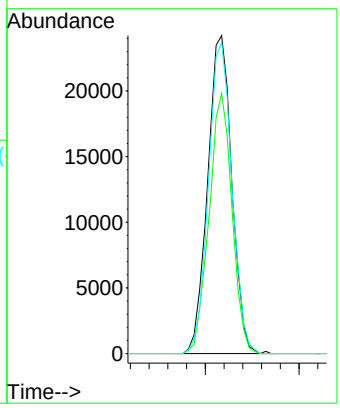
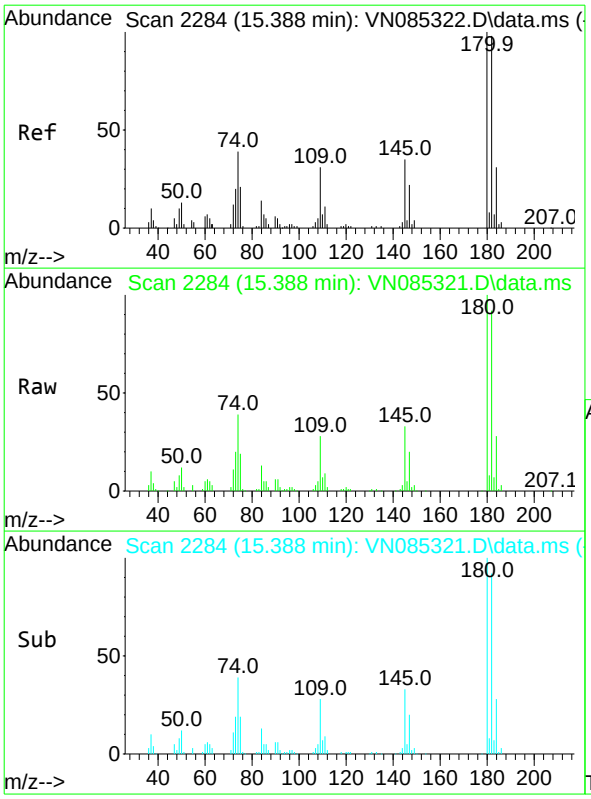


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.745 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 43244

Ion	Ratio	Lower	Upper
75	100		
155	77.8	35.6	106.9
157	95.2	47.0	141.0

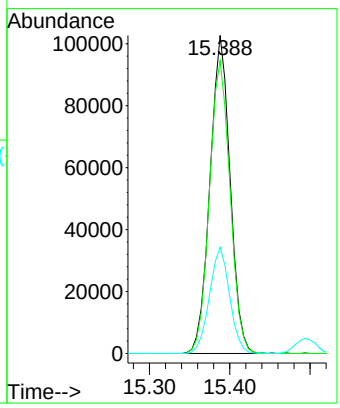




#93
1,2,4-Trichlorobenzene
Concen: 104.895 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:180 Resp: 178476

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.2	141.6
145	33.4	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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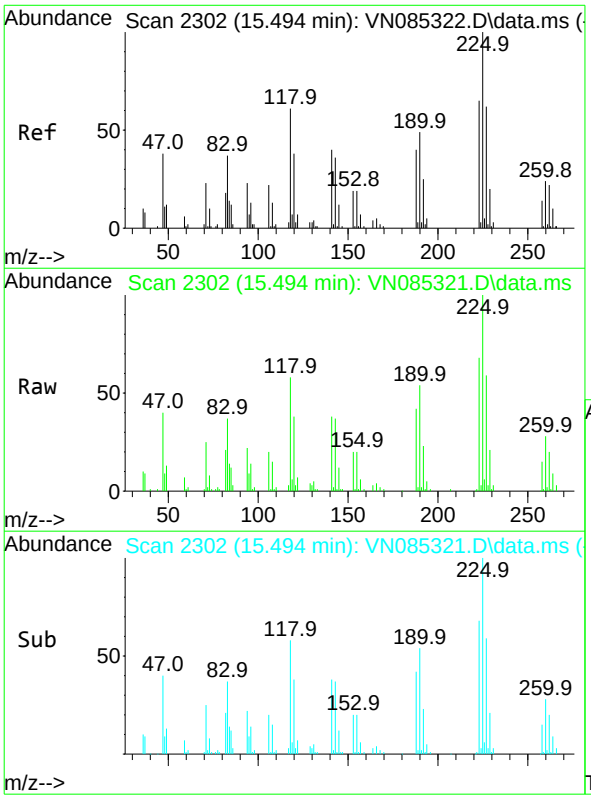
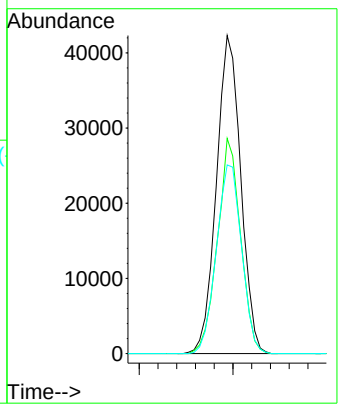
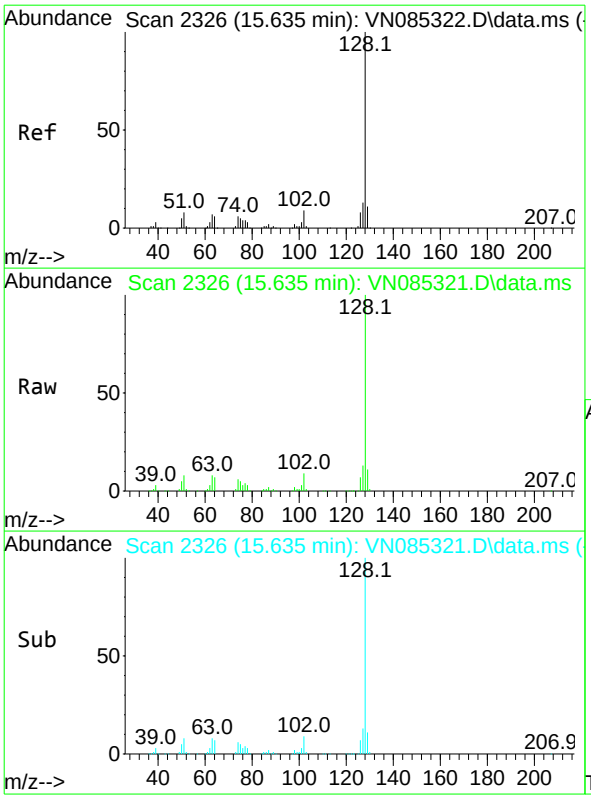


#94
Hexachlorobutadiene
Concen: 90.312 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:225 Resp: 76348

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.6	94.7
227	61.5	30.3	91.0

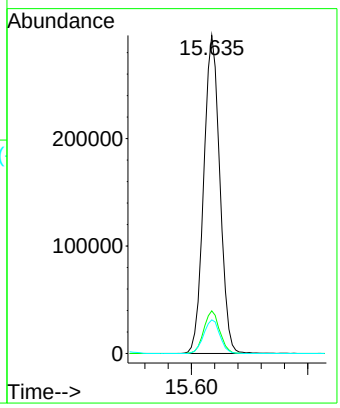




#95
Naphthalene
Concen: 98.477 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:128 Resp: 568171

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.7	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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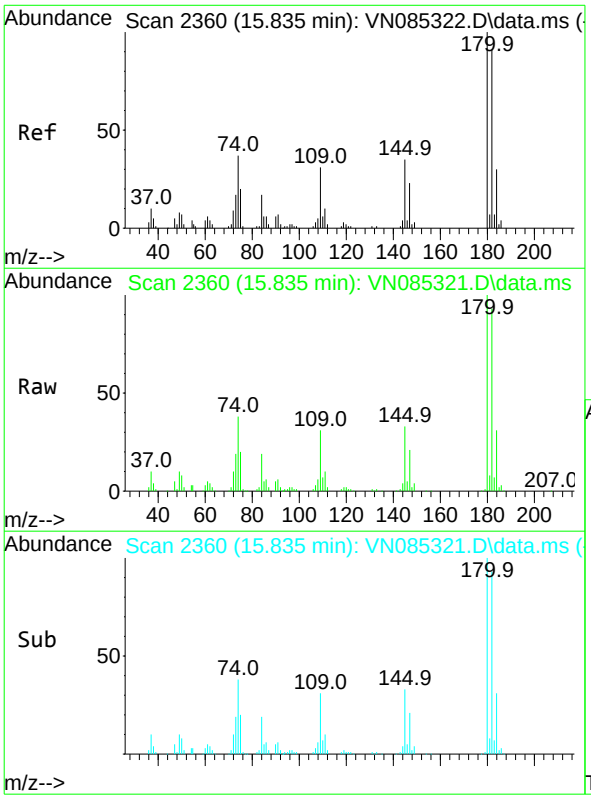
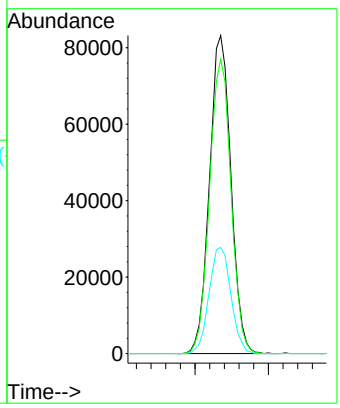
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 99.403 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:180 Resp: 168986

Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.8	140.4
145	34.1	17.2	51.6



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	155532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	240680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111594	50.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.159	113	88275	50.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.559	98	323100	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.847	95	111548	52.700	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	108746	51.698	ug/l	100
3) Chloromethane	2.359	50	106659	45.115	ug/l	100
4) Vinyl Chloride	2.512	62	117884	47.149	ug/l	100
5) Bromomethane	2.959	94	74886	45.796	ug/l	100
6) Chloroethane	3.124	64	74955	47.272	ug/l	100
7) Trichlorofluoromethane	3.500	101	158878	48.340	ug/l	100
8) Diethyl Ether	3.959	74	55553	51.048	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	89878	48.064	ug/l	100
10) Methyl Iodide	4.594	142	111290	51.423	ug/l	100
11) Tert butyl alcohol	5.512	59	66517	239.459	ug/l	100
12) 1,1-Dichloroethene	4.342	96	83691	48.422	ug/l	100
13) Acrolein	4.177	56	101450	234.253	ug/l	100
14) Allyl chloride	5.018	41	133004	48.082	ug/l	100
15) Acrylonitrile	5.712	53	213836	244.585	ug/l	100
16) Acetone	4.418	43	173280	237.550	ug/l	100
17) Carbon Disulfide	4.712	76	238824	45.421	ug/l	100
18) Methyl Acetate	5.018	43	108199	48.449	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	290643	51.737	ug/l	100
20) Methylene Chloride	5.271	84	95357	48.601	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	87901	48.686	ug/l	100
22) Diisopropyl ether	6.665	45	302742	50.788	ug/l	100
23) Vinyl Acetate	6.594	43	1110592	259.168	ug/l	100
24) 1,1-Dichloroethane	6.565	63	173999	48.458	ug/l	100
25) 2-Butanone	7.477	43	285403	252.198	ug/l	100
26) 2,2-Dichloropropane	7.482	77	160118	50.897	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	107476	50.718	ug/l	100
28) Bromochloromethane	7.806	49	82793	49.616	ug/l #	100
29) Tetrahydrofuran	7.830	42	185555	254.548	ug/l	100
30) Chloroform	7.959	83	176294	47.991	ug/l	100
31) Cyclohexane	8.253	56	152319	46.455	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	158921	48.441	ug/l	100
36) 1,1-Dichloropropene	8.365	75	128454	50.513	ug/l	100
37) Ethyl Acetate	7.553	43	115871	45.842	ug/l	100
38) Carbon Tetrachloride	8.359	117	139705	50.401	ug/l	100
39) Methylcyclohexane	9.594	83	140293	53.172	ug/l	100
40) Benzene	8.600	78	383405	49.867	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	65714	50.764	ug/l		100
42) 1,2-Dichloroethane	8.665	62	131673	47.766	ug/l		100
43) Isopropyl Acetate	8.682	43	207309	49.811	ug/l		100
44) Trichloroethene	9.347	130	86607	47.578	ug/l		100
45) 1,2-Dichloropropane	9.612	63	94480	48.407	ug/l		100
46) Dibromomethane	9.706	93	66895	49.281	ug/l		100
47) Bromodichloromethane	9.882	83	140475	49.791	ug/l		100
48) Methyl methacrylate	9.676	41	95506	52.885	ug/l		100
49) 1,4-Dioxane	9.688	88	29967	1099.805	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	604417	258.422	ug/l		100
52) Toluene	10.623	92	235625	51.469	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	147289	53.087	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	154618	51.536	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	85262	49.329	ug/l		100
56) Ethyl methacrylate	10.871	69	139960	55.599	ug/l		100
57) 1,3-Dichloropropane	11.159	76	154391	50.893	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	336991	276.695	ug/l		100
59) 2-Hexanone	11.194	43	428174	263.862	ug/l		100
60) Dibromochloromethane	11.353	129	103179	52.999	ug/l		100
61) 1,2-Dibromoethane	11.465	107	87157	50.969	ug/l		100
64) Tetrachloroethene	11.100	164	75140	49.270	ug/l		100
65) Chlorobenzene	11.888	112	252514	48.550	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	87333	50.030	ug/l		100
67) Ethyl Benzene	11.959	91	451752	52.228	ug/l		100
68) m/p-Xylenes	12.065	106	341420	107.860	ug/l		100
69) o-Xylene	12.394	106	165724	54.121	ug/l		100
70) Styrene	12.406	104	276012	55.616	ug/l		100
71) Bromoform	12.570	173	63268	52.330	ug/l	#	100
73) Isopropylbenzene	12.688	105	423362	51.888	ug/l		100
74) N-amyl acetate	12.488	43	183943	52.669	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	120681	46.441	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	94097m	43.170	ug/l		
77) Bromobenzene	12.976	156	95126	47.058	ug/l		100
78) n-propylbenzene	13.029	91	498392	52.403	ug/l		100
79) 2-Chlorotoluene	13.123	91	299107	49.970	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	347857	52.709	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	45749m	51.950	ug/l		
82) 4-Chlorotoluene	13.217	91	299712	49.717	ug/l		100
83) tert-Butylbenzene	13.435	119	294653	51.541	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	354037	53.875	ug/l		100
85) sec-Butylbenzene	13.611	105	424353	53.476	ug/l		100
86) p-Isopropyltoluene	13.723	119	349527	49.276	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	179301	48.928	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	177873	47.253	ug/l		100
89) n-Butylbenzene	14.053	91	309010	53.178	ug/l		100
90) Hexachloroethane	14.329	117	67607	51.976	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	171657	49.173	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.711	75	22952	49.627	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	86363	49.570	ug/l		100
94) Hexachlorobutadiene	15.494	225	38529	44.509	ug/l		100
95) Naphthalene	15.635	128	286887	48.560	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	84633	48.618	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

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

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

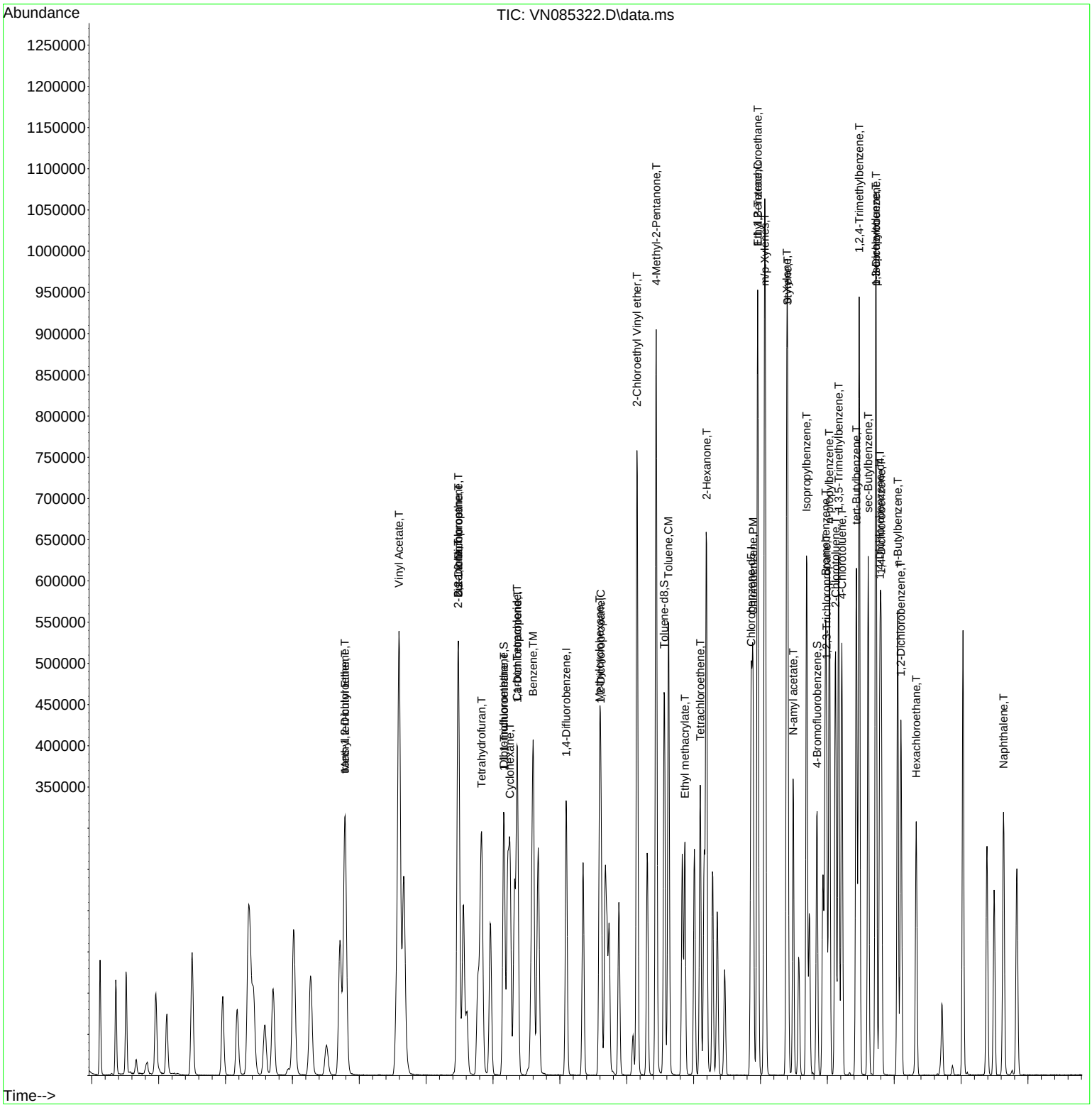
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

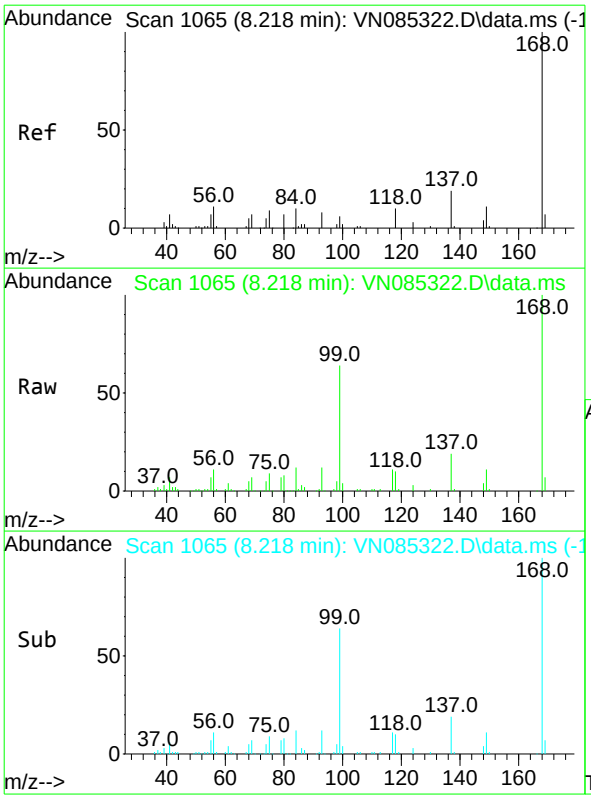
Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

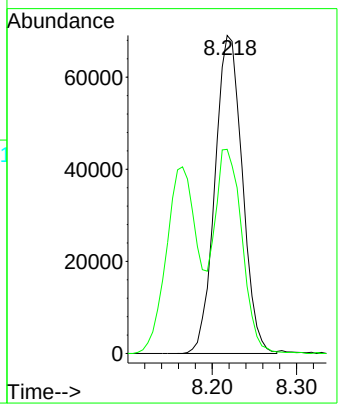




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:168 Resp: 155532

Ion	Ratio	Lower	Upper
168	100		
99	63.7	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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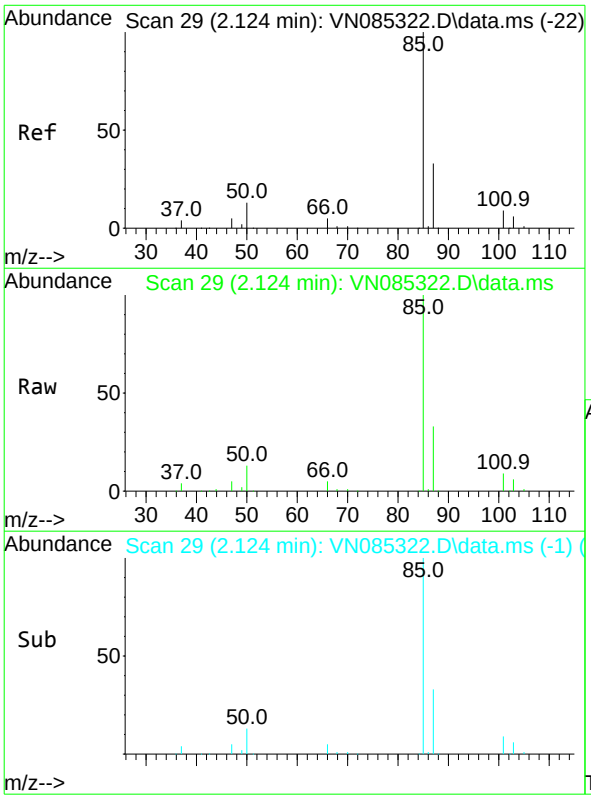
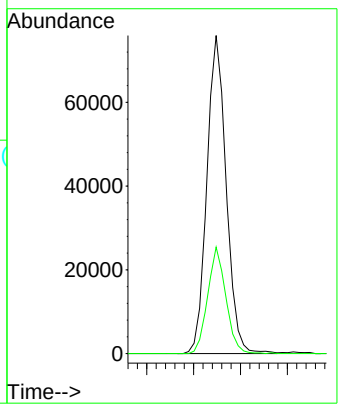
Supervised By :Mahesh Dadoda 12/30/2024

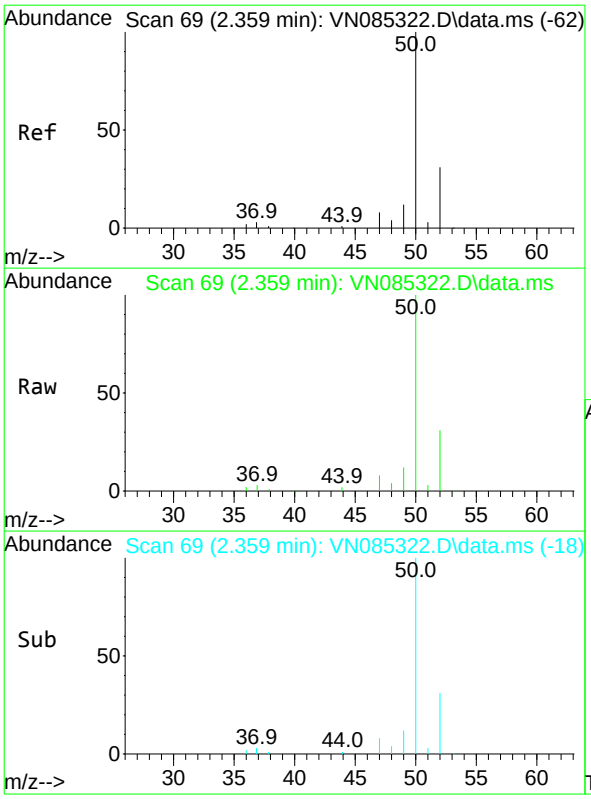


#2
Dichlorodifluoromethane
Concen: 51.698 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 85 Resp: 108746

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3

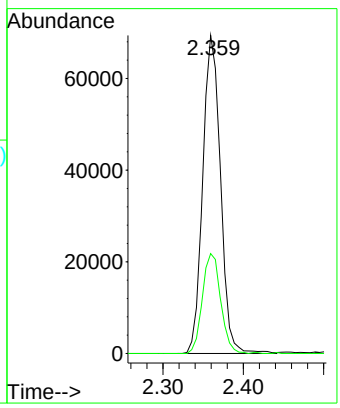




#3
Chloromethane
Concen: 45.115 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 50 Resp: 106659

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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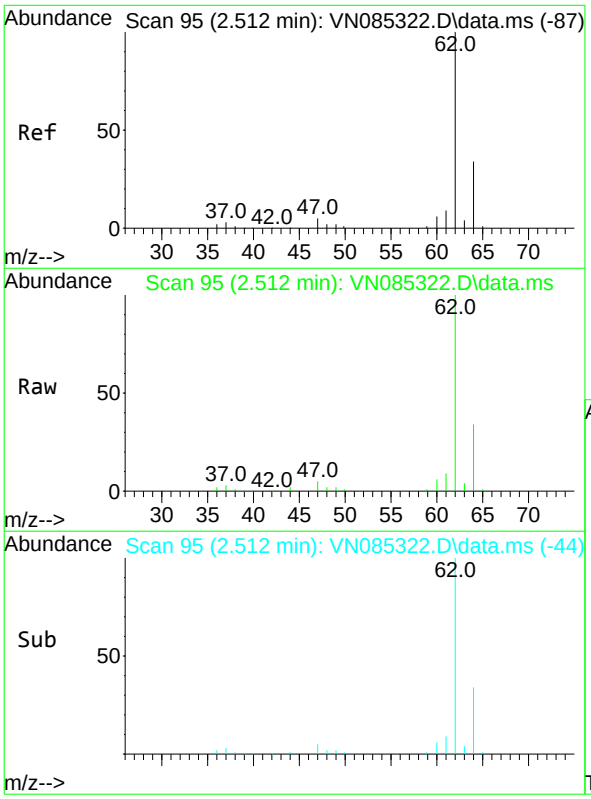
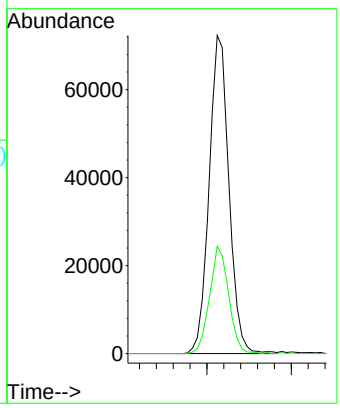
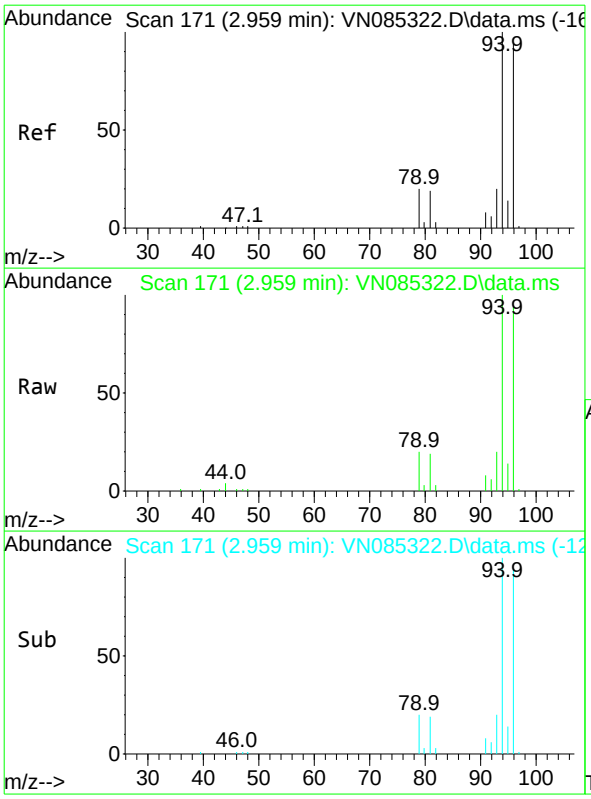


#4
Vinyl Chloride
Concen: 47.149 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 62 Resp: 117884

Ion	Ratio	Lower	Upper
62	100		
64	33.8	27.0	40.6

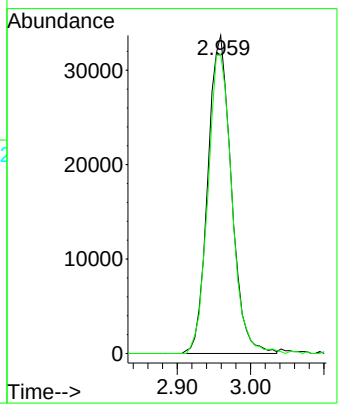




#5
Bromomethane
Concen: 45.796 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 94 Resp: 74886

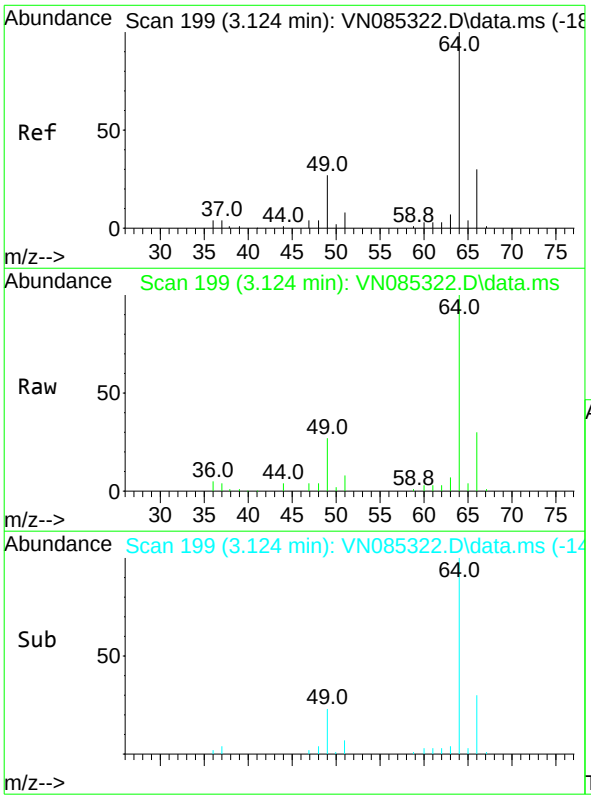
Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

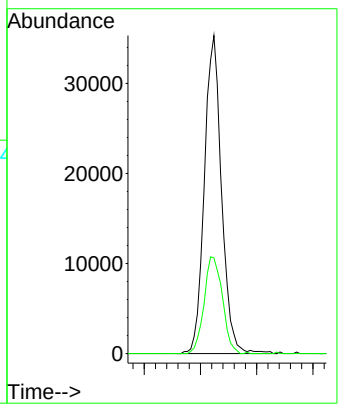
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

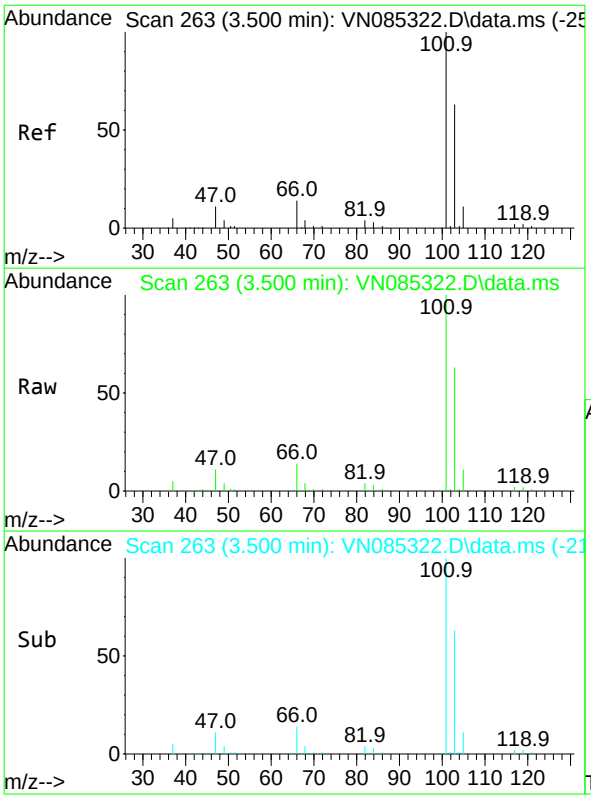


#6
Chloroethane
Concen: 47.272 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 64 Resp: 74955

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1

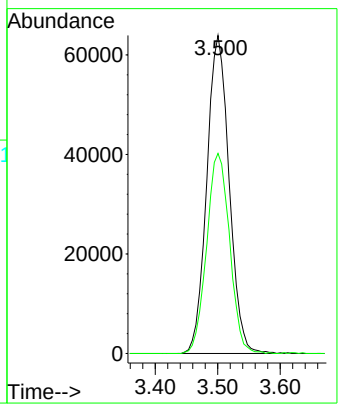




#7
Trichlorofluoromethane
Concen: 48.340 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:101 Resp: 158878

Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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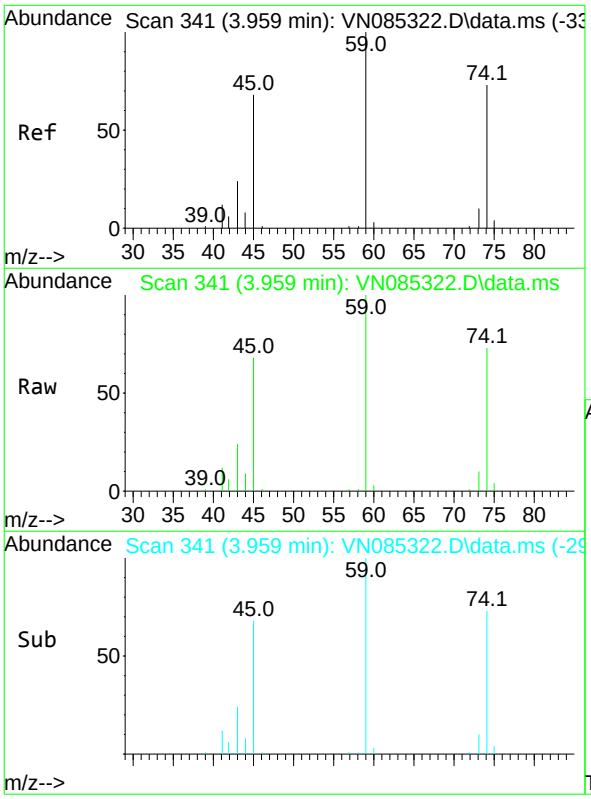
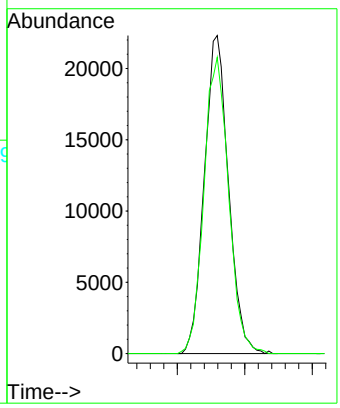
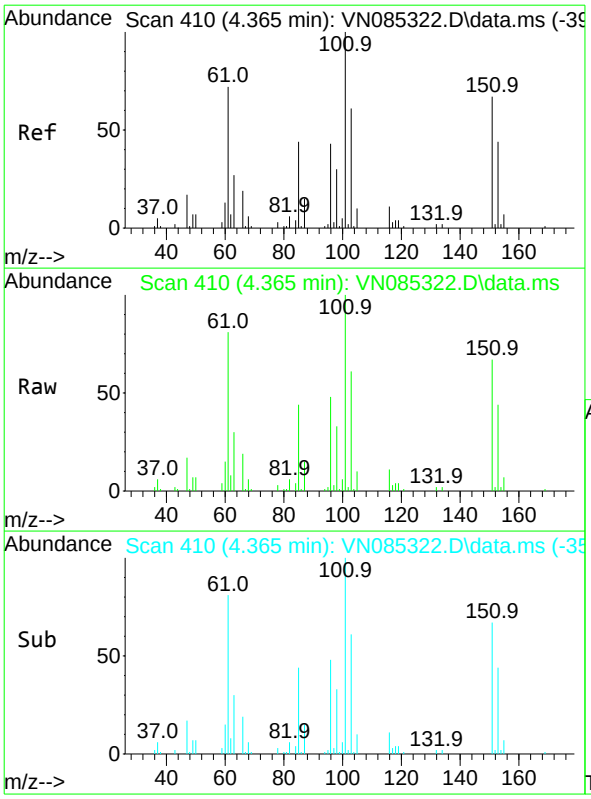


#8
Diethyl Ether
Concen: 51.048 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 74 Resp: 55553

Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.5	142.6

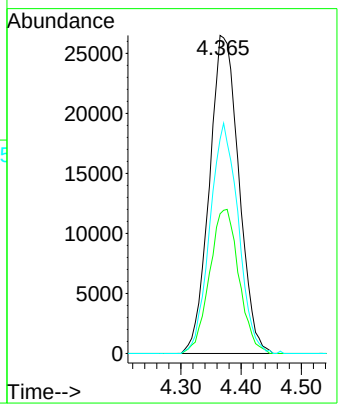




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.064 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:101 Resp: 89878

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	69.7	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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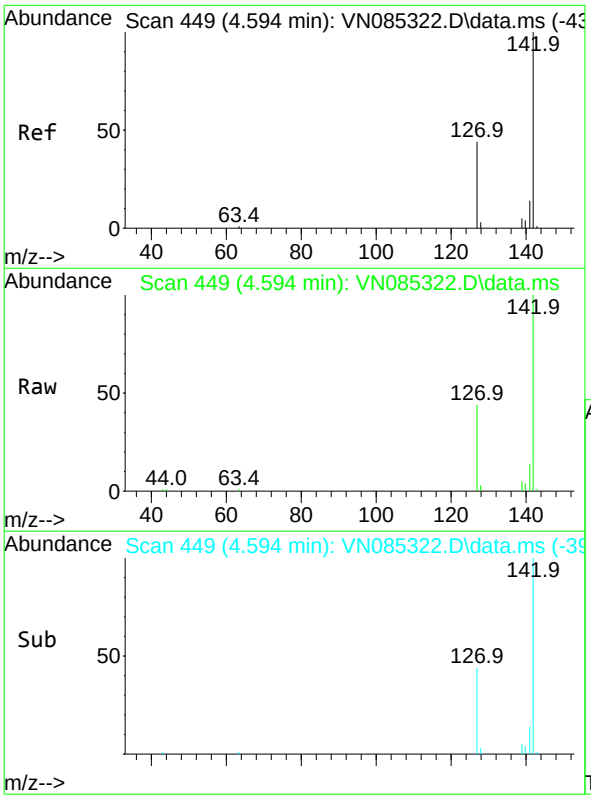
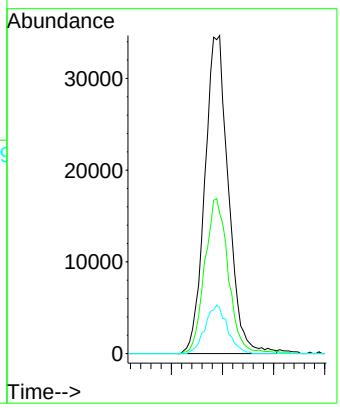
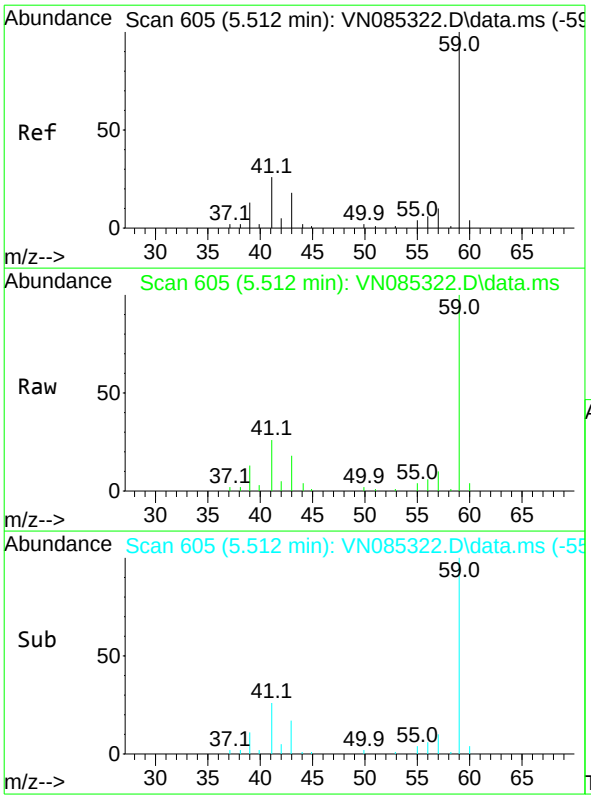


#10
Methyl Iodide
Concen: 51.423 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:142 Resp: 111290

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.3	52.9
141	14.4	11.5	17.3

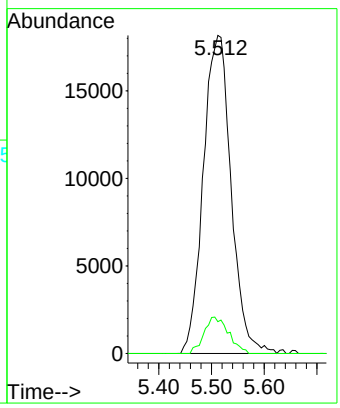




#11
Tert butyl alcohol
Concen: 239.459 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 59 Resp: 66517

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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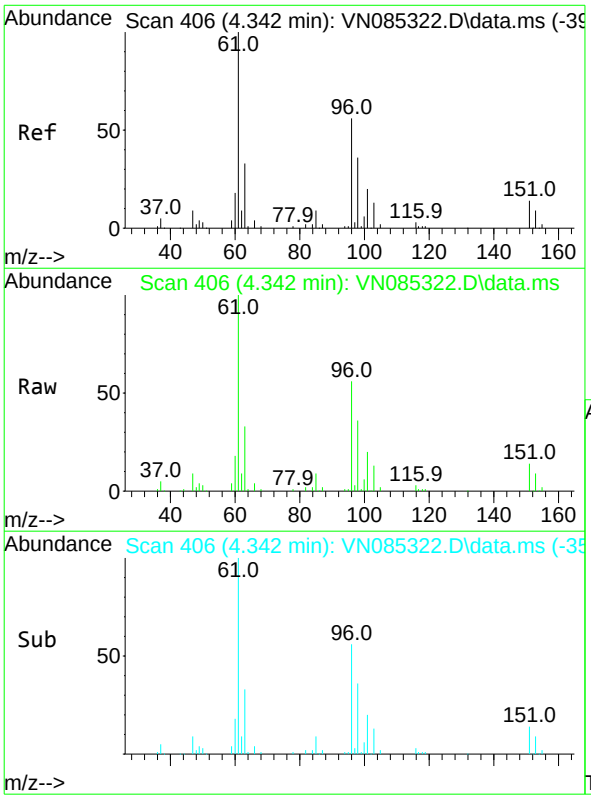
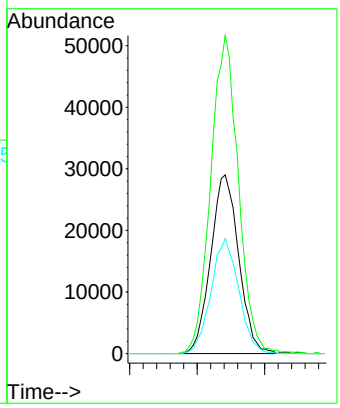
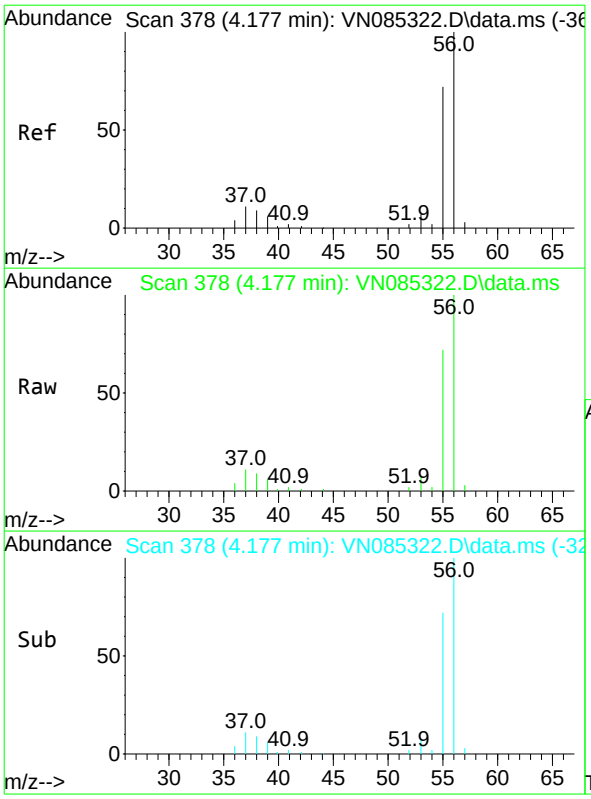


#12
1,1-Dichloroethene
Concen: 48.422 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 96 Resp: 83691

Ion	Ratio	Lower	Upper
96	100		
61	178.0	142.4	213.6
98	64.4	51.5	77.3

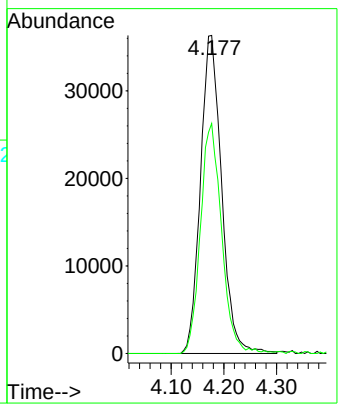




#13
Acrolein
Concen: 234.253 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 56 Resp: 101450

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
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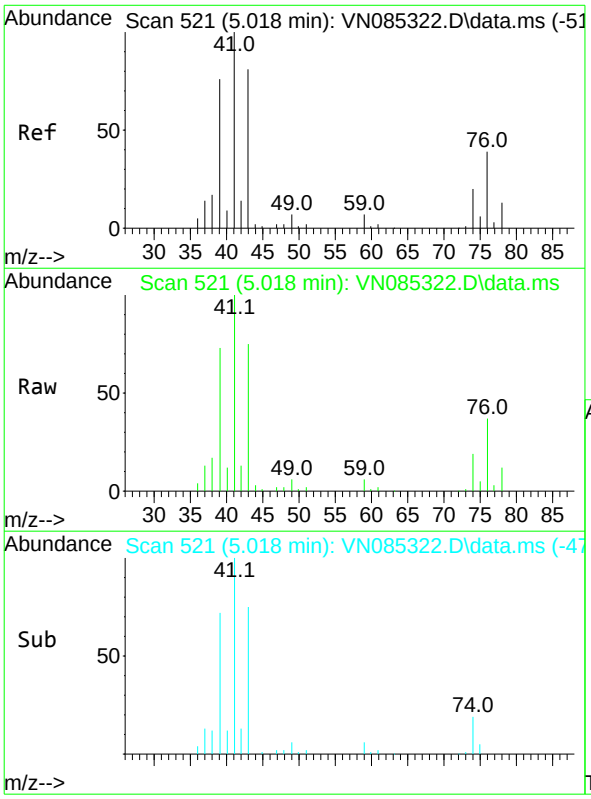
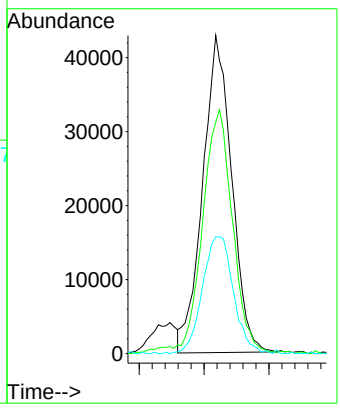
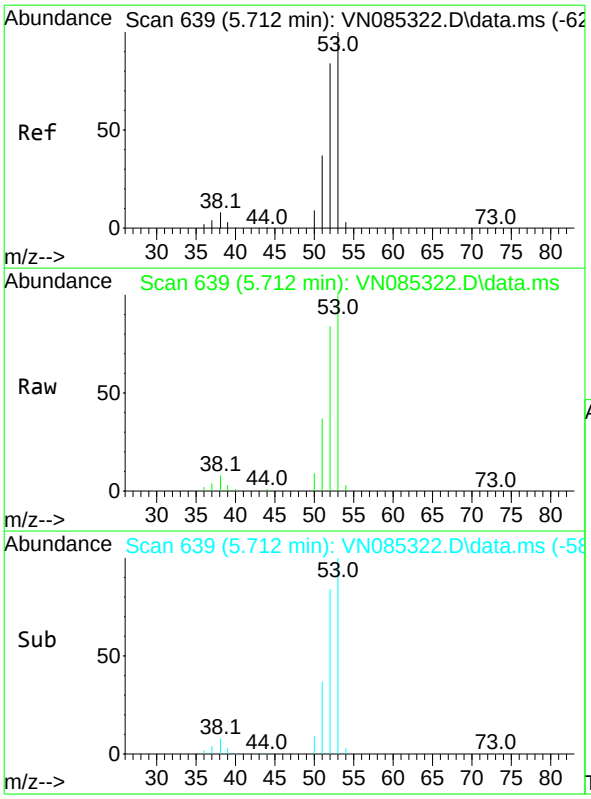


#14
Allyl chloride
Concen: 48.082 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 41 Resp: 133004

Ion	Ratio	Lower	Upper
41	100		
39	80.5	64.4	96.6
76	39.4	31.5	47.3

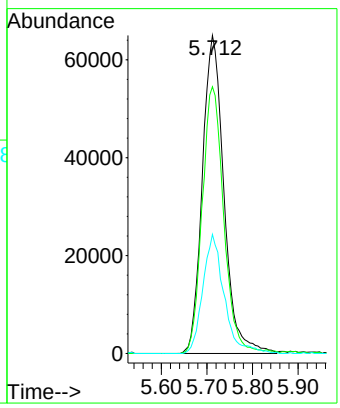




#15
Acrylonitrile
Concen: 244.585 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 53 Resp: 213836

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.0	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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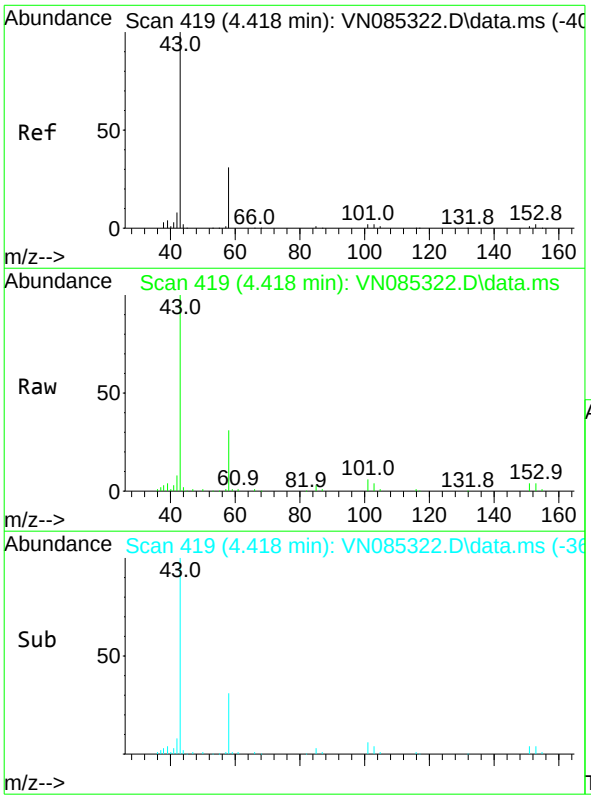
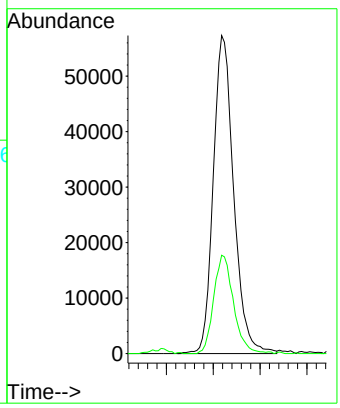
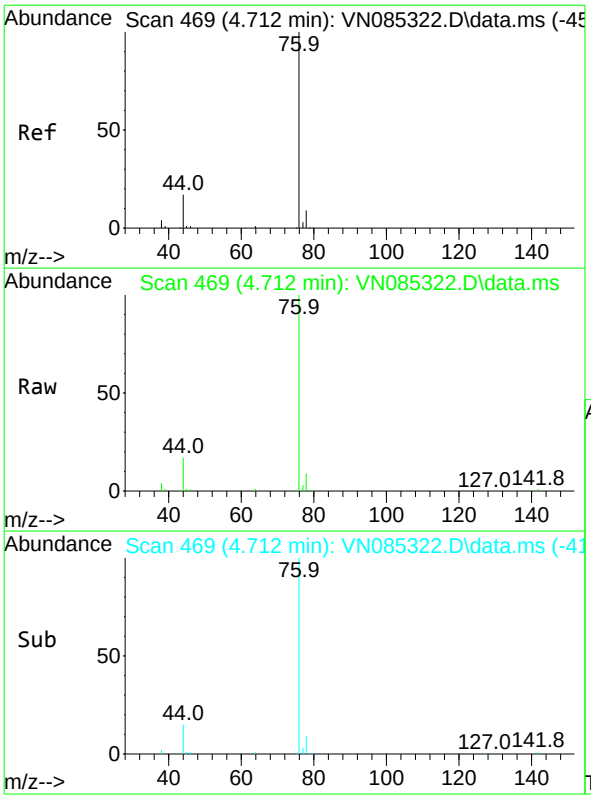


#16
Acetone
Concen: 237.550 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 173280

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.5	36.7

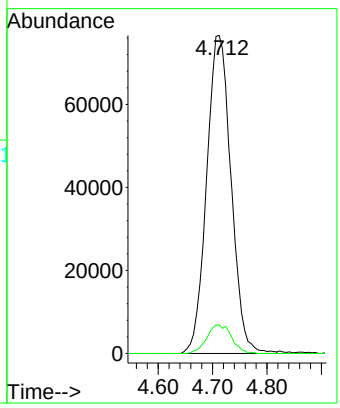




#17
Carbon Disulfide
Concen: 45.421 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 76 Resp: 238824

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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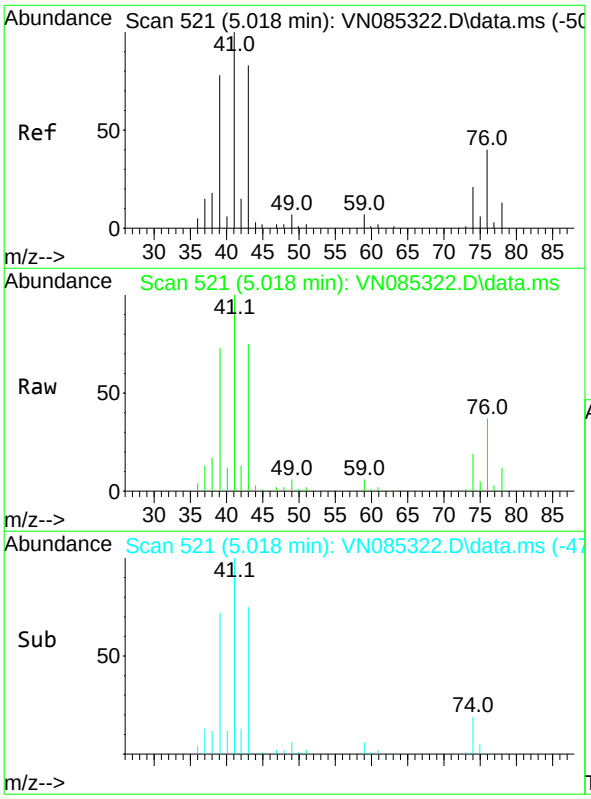
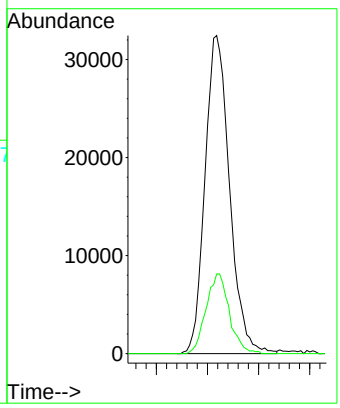
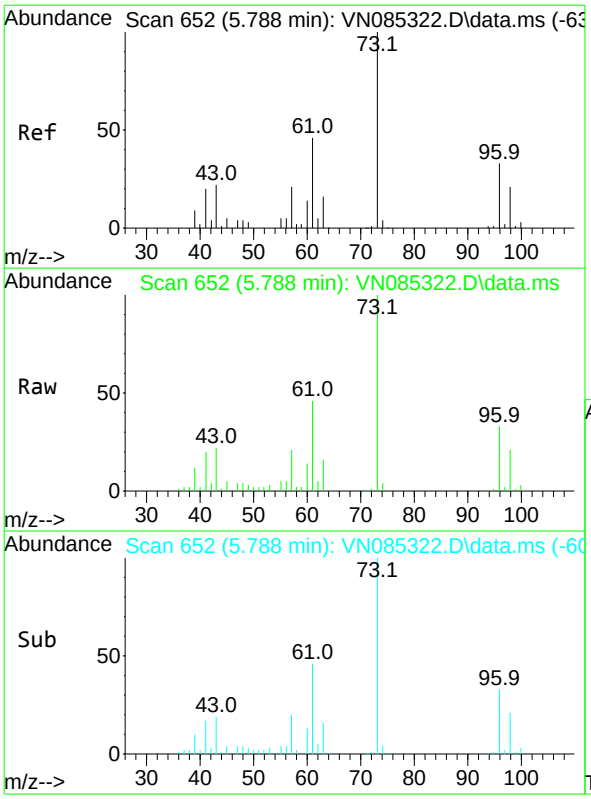


#18
Methyl Acetate
Concen: 48.449 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 108199

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.6

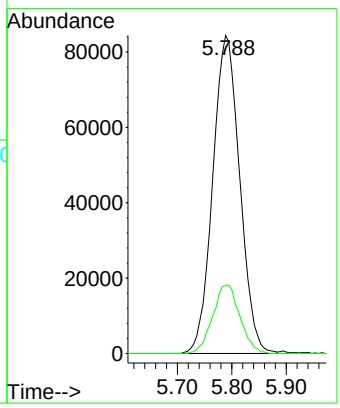




#19
Methyl tert-butyl Ether
Concen: 51.737 ug/l
RT: 5.788 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 73 Resp: 290643

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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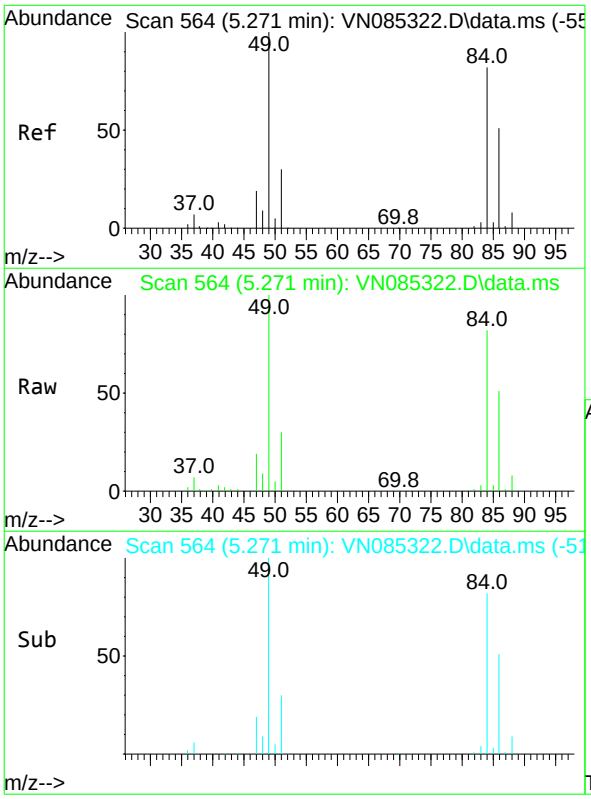
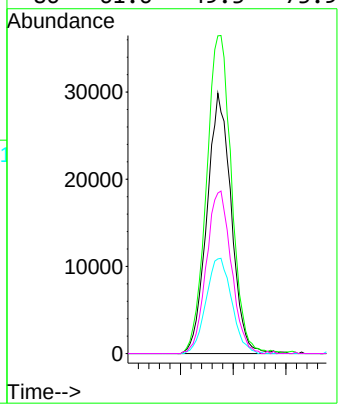
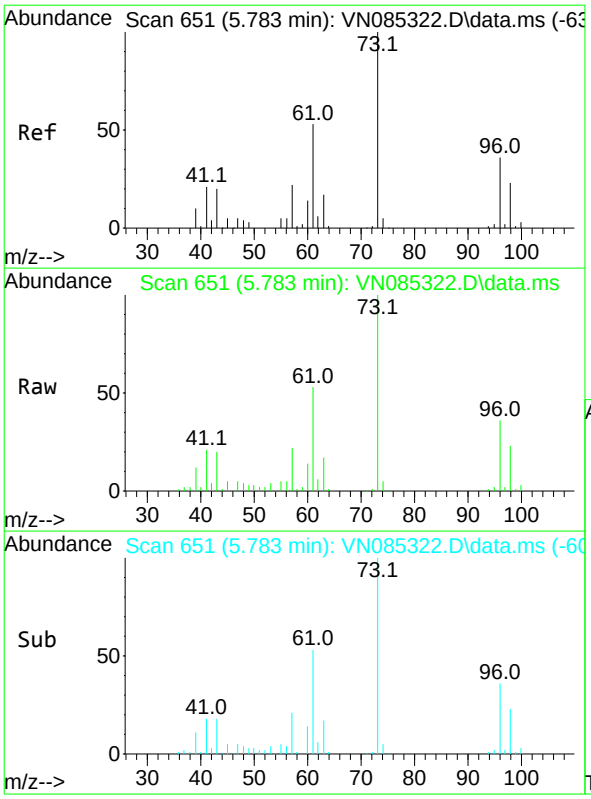


#20
Methylene Chloride
Concen: 48.601 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 84 Resp: 95357

Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.6	146.4
51	36.4	29.1	43.7
86	61.6	49.3	73.9

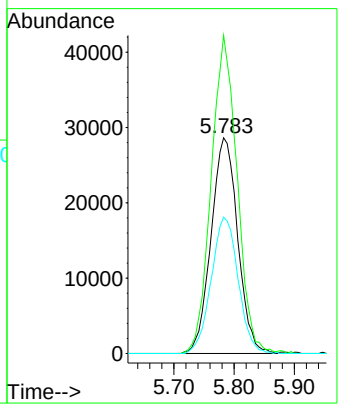




#21
trans-1,2-Dichloroethene
Concen: 48.686 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 96 Resp: 87901

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	63.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
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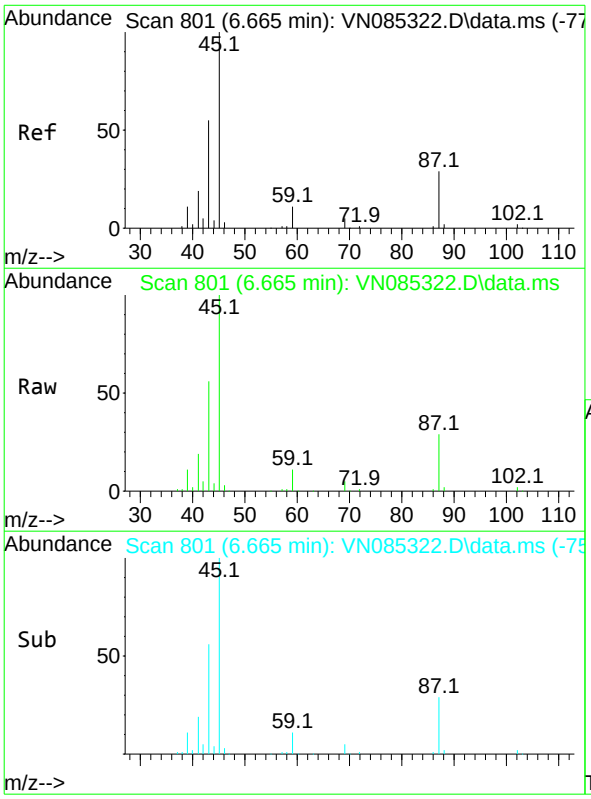
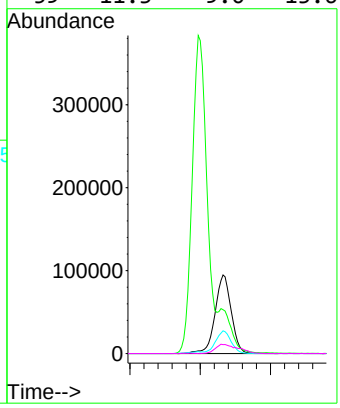
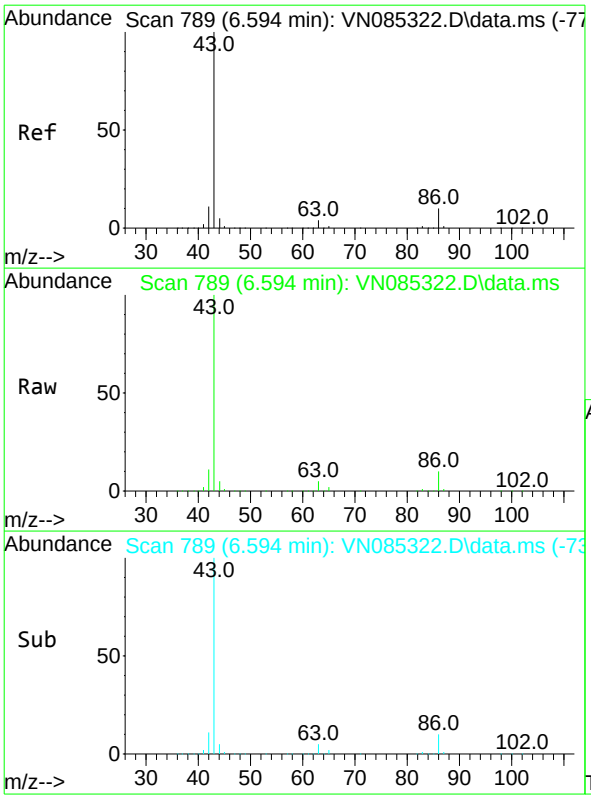


#22
Diisopropyl ether
Concen: 50.788 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 45 Resp: 302742

Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.1	66.1
87	29.0	23.2	34.8
59	11.3	9.0	13.6

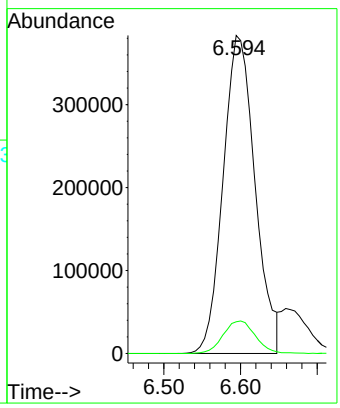




#23
Vinyl Acetate
Concen: 259.168 ug/l
RT: 6.594 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 1110592

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
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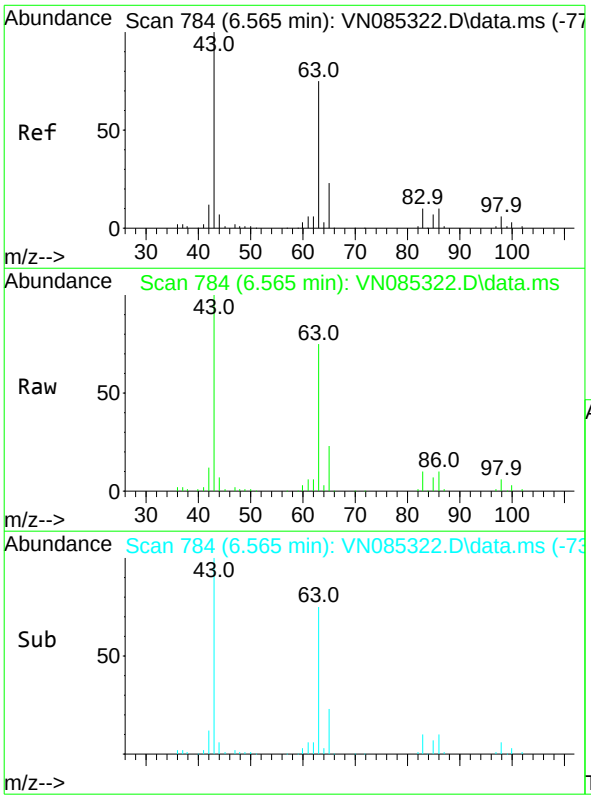
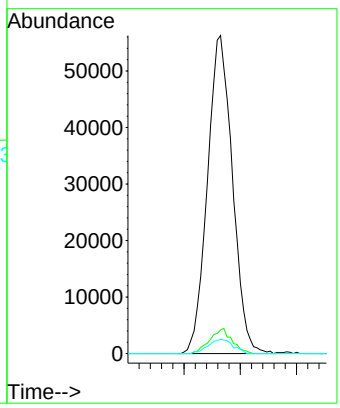
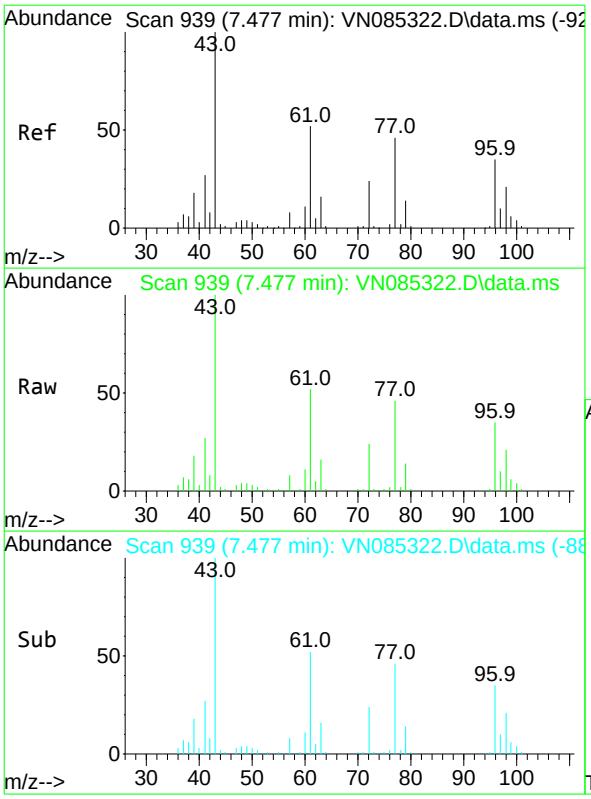


#24
1,1-Dichloroethane
Concen: 48.458 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 63 Resp: 173999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.5	2.3	6.8

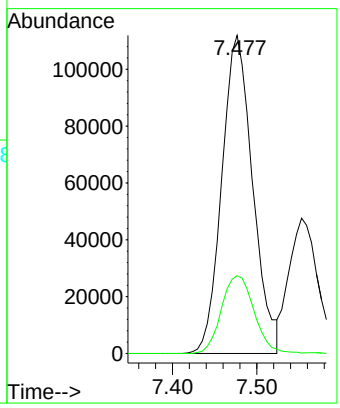




#25
2-Butanone
Concen: 252.198 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 285403

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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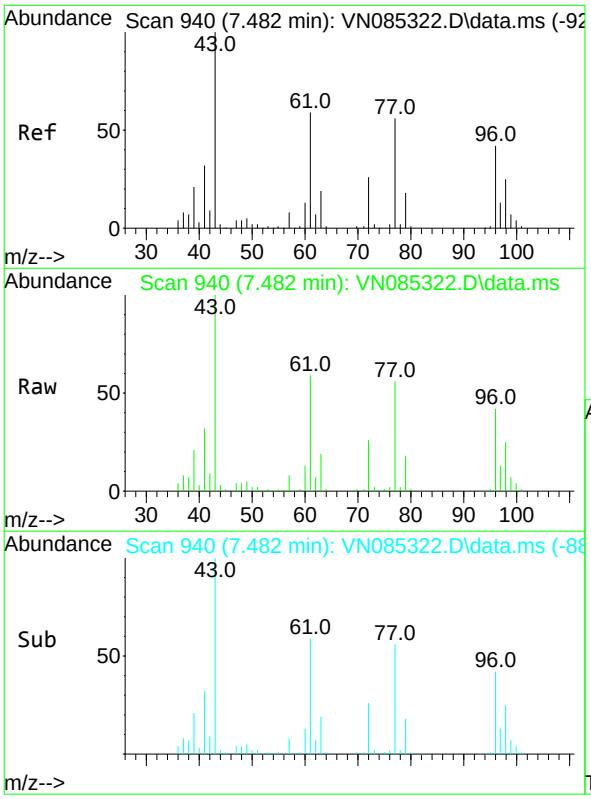
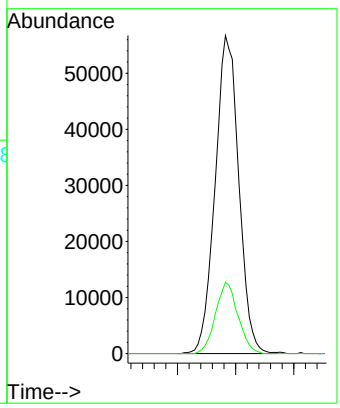
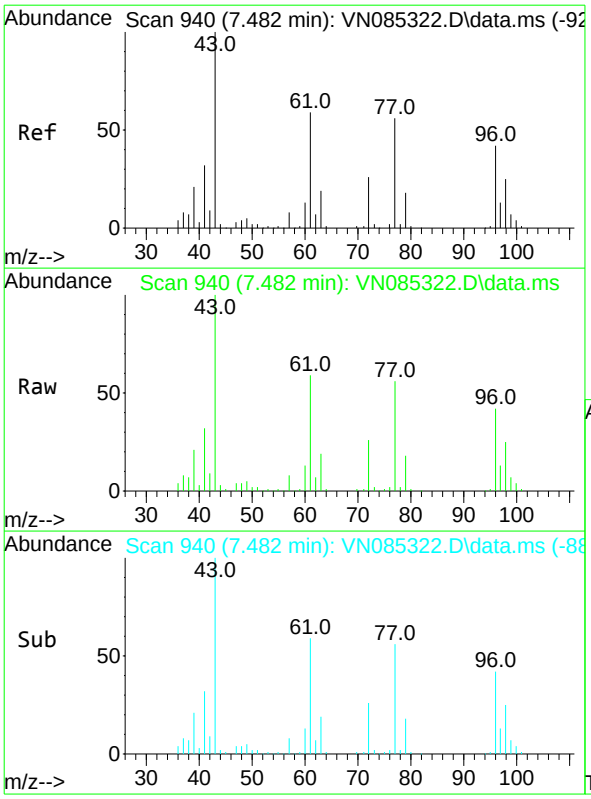


#26
2,2-Dichloropropane
Concen: 50.897 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 77 Resp: 160118

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8

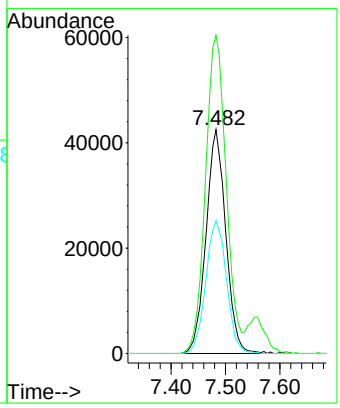




#27
cis-1,2-Dichloroethene
Concen: 50.718 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 96 Resp: 107476

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	296.4
98	62.1	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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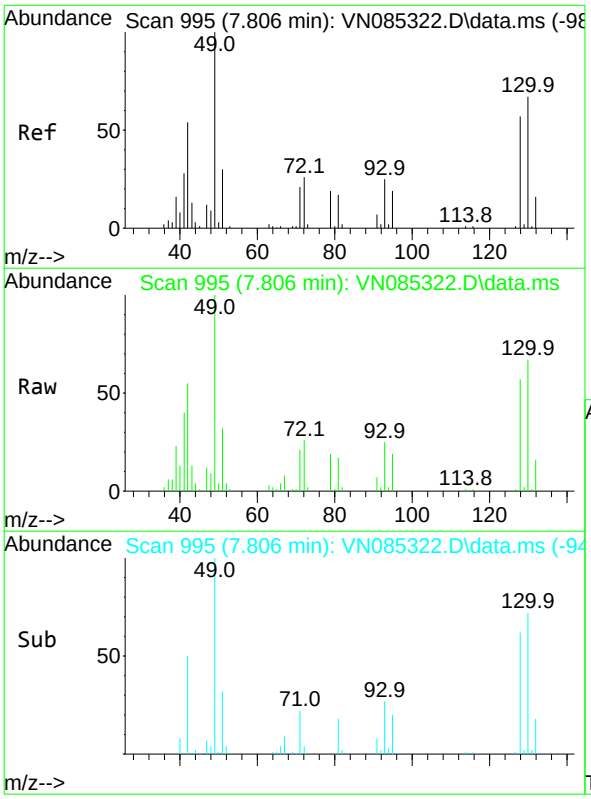
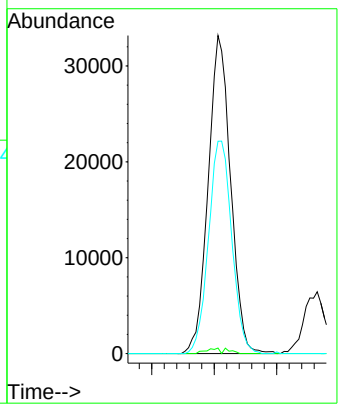
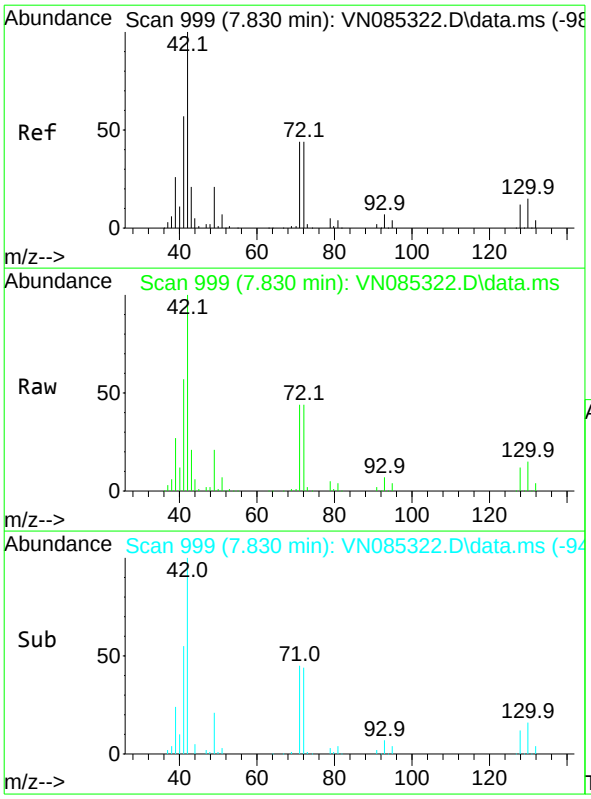


#28
Bromochloromethane
Concen: 49.616 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 49 Resp: 82793

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	0.0	0.0	0.0

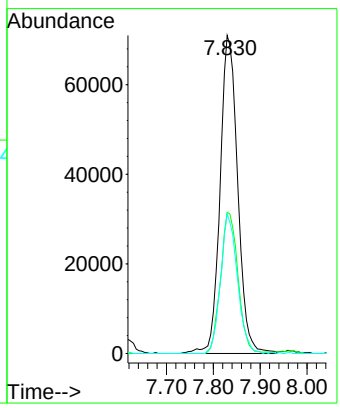




#29
Tetrahydrofuran
Concen: 254.548 ug/l
RT: 7.830 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 42 Resp: 185555

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.1	52.7
71	41.7	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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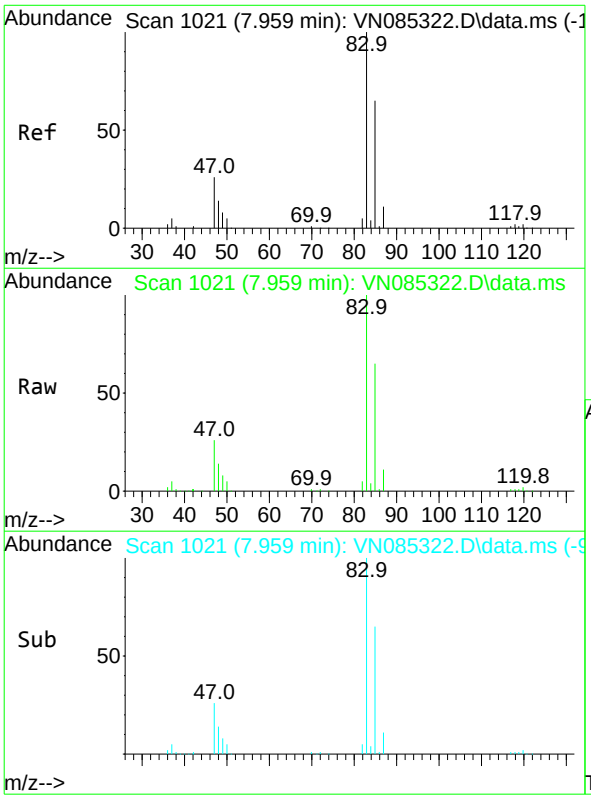
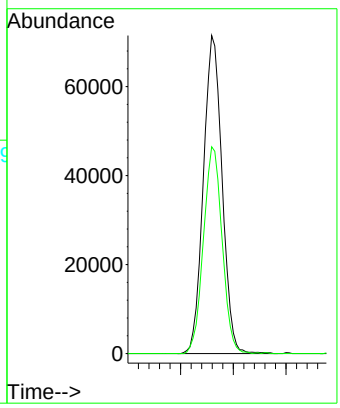
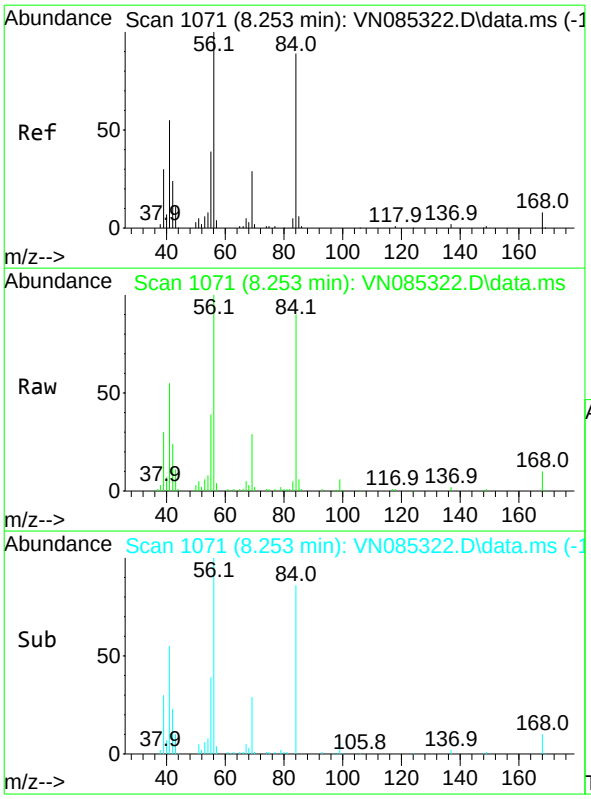


#30
Chloroform
Concen: 47.991 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 83 Resp: 176294

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0

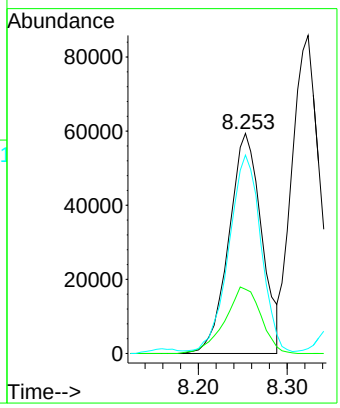




#31
Cyclohexane
Concen: 46.455 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 56 Resp: 152319

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.4	35.0
84	88.8	71.0	106.6



Instrument :
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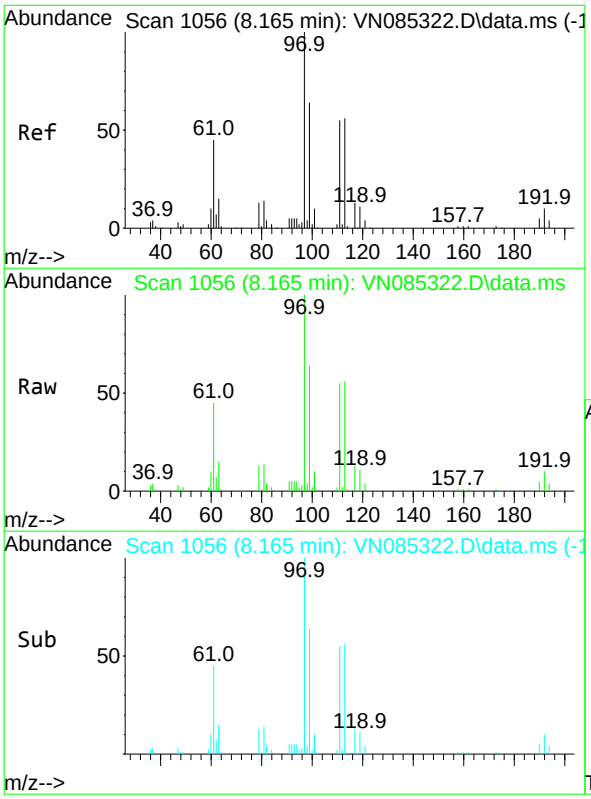
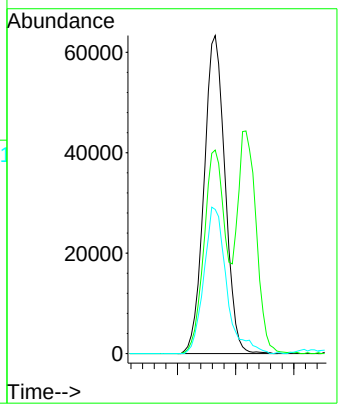
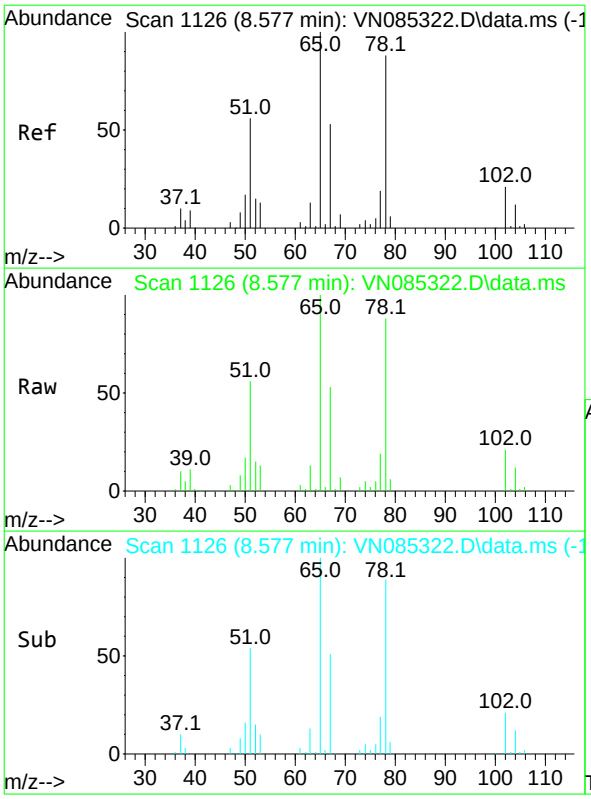


#32
1,1,1-Trichloroethane
Concen: 48.441 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 97 Resp: 158921

Ion	Ratio	Lower	Upper
97	100		
99	66.6	53.3	79.9
61	49.5	39.6	59.4

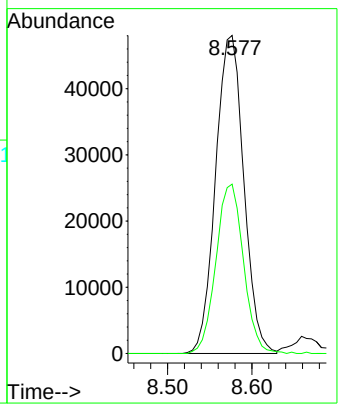




#33
1,2-Dichloroethane-d4
Concen: 50.305 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 65 Resp: 111594

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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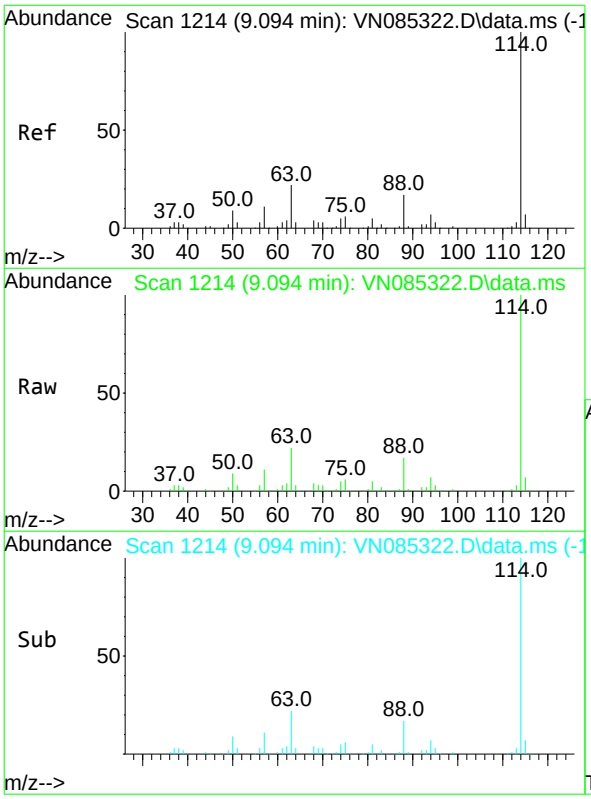
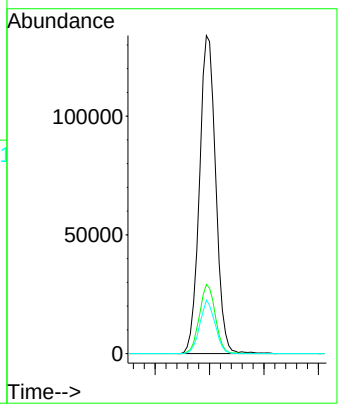
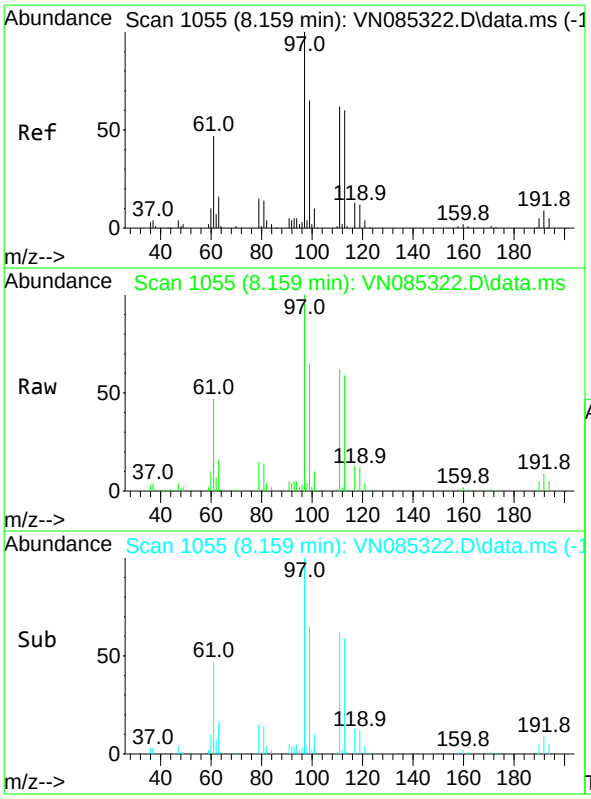


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:114 Resp: 278404

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.8	0.0	33.6

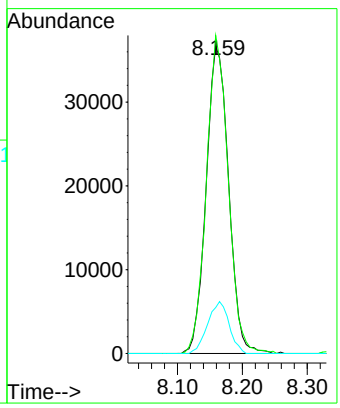




#35
Dibromofluoromethane
Concen: 50.825 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:113 Resp: 88275

Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.5	120.7
192	16.1	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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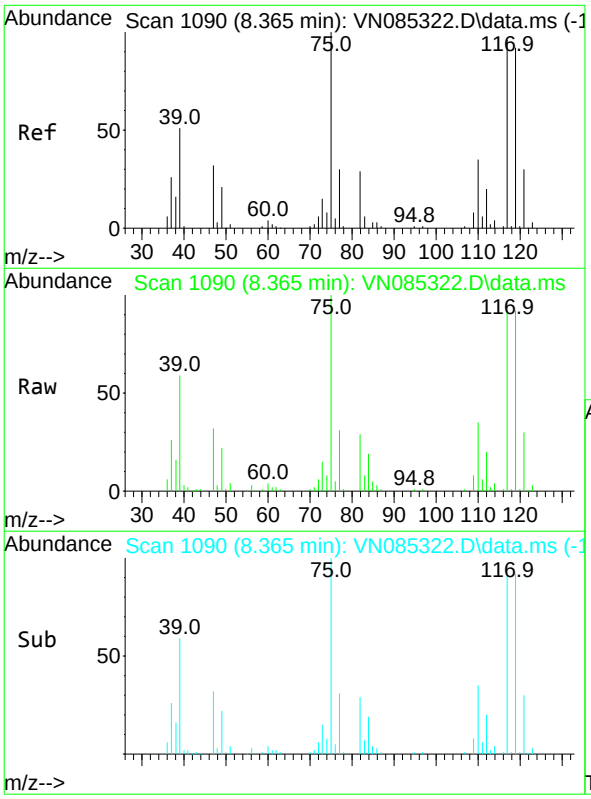
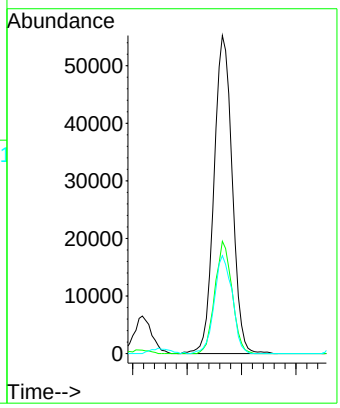
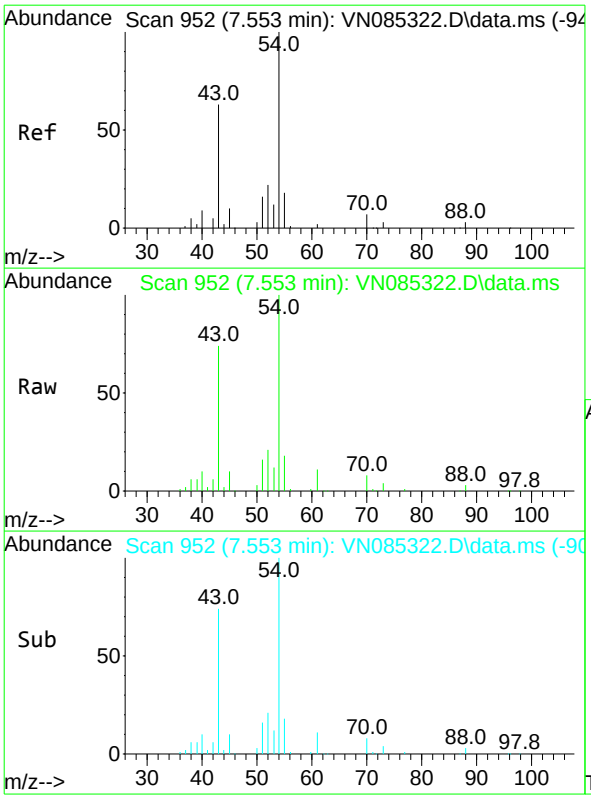


#36
1,1-Dichloropropene
Concen: 50.513 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 128454

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.4	24.3	36.5

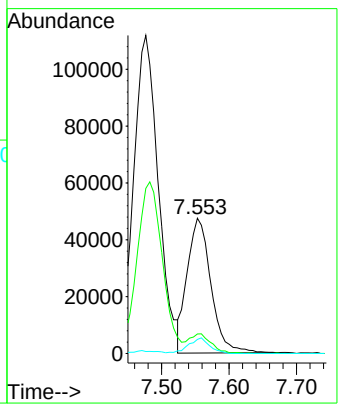




#37
Ethyl Acetate
Concen: 45.842 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 115871

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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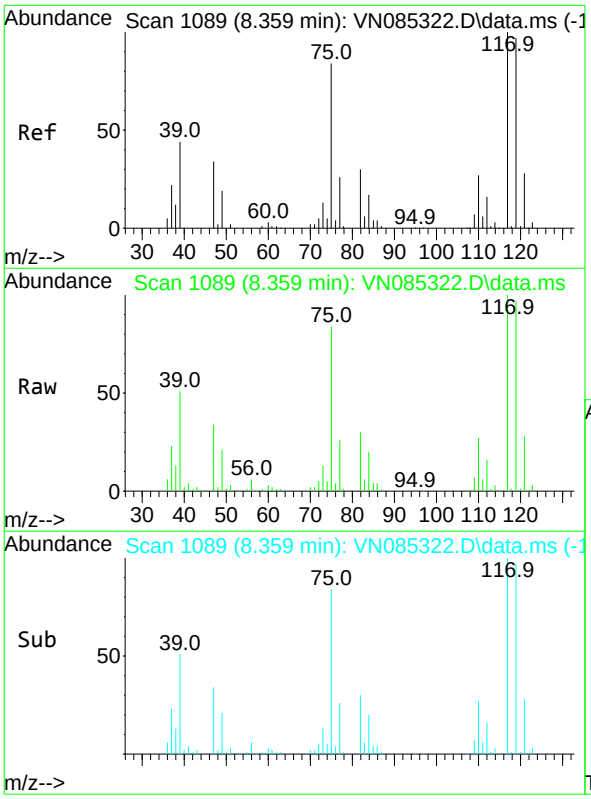
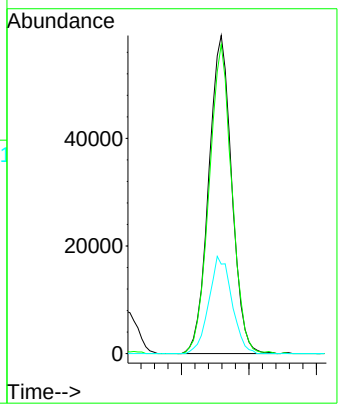
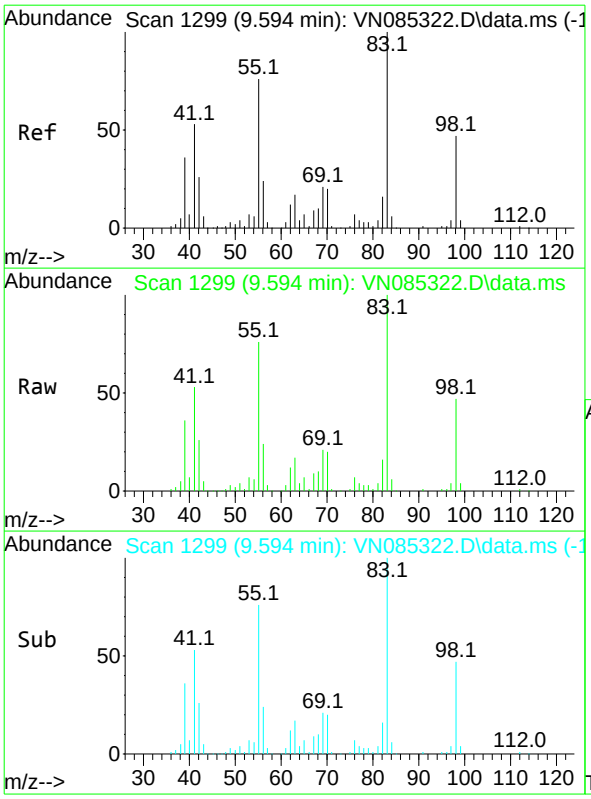


#38
Carbon Tetrachloride
Concen: 50.401 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:117 Resp: 139705

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	28.1	22.5	33.7

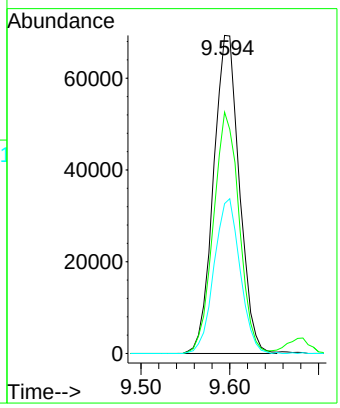




#39
Methylcyclohexane
Concen: 53.172 ug/l
RT: 9.594 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 83 Resp: 140293

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.1	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
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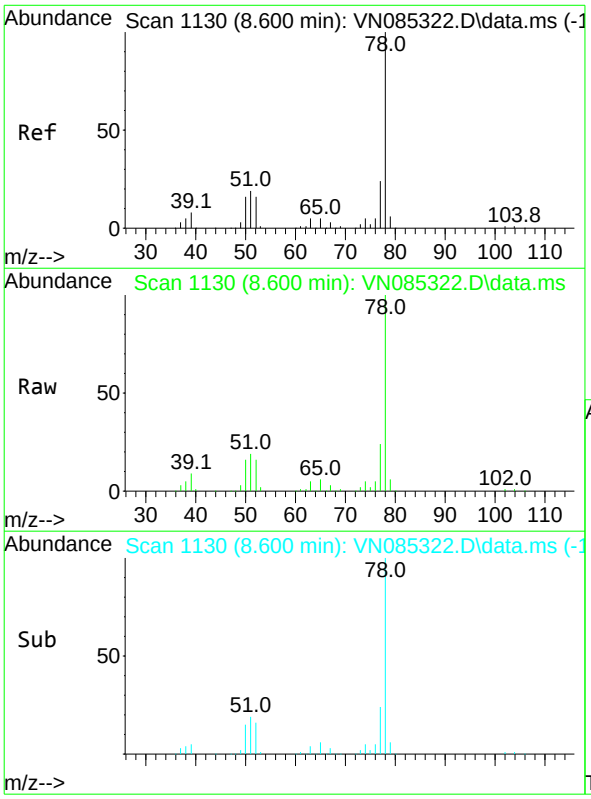
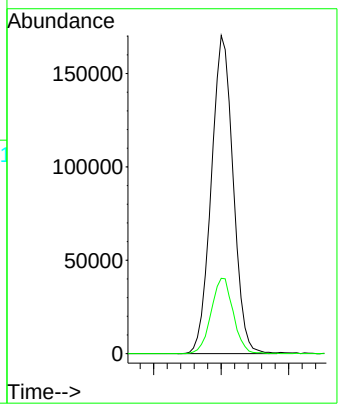
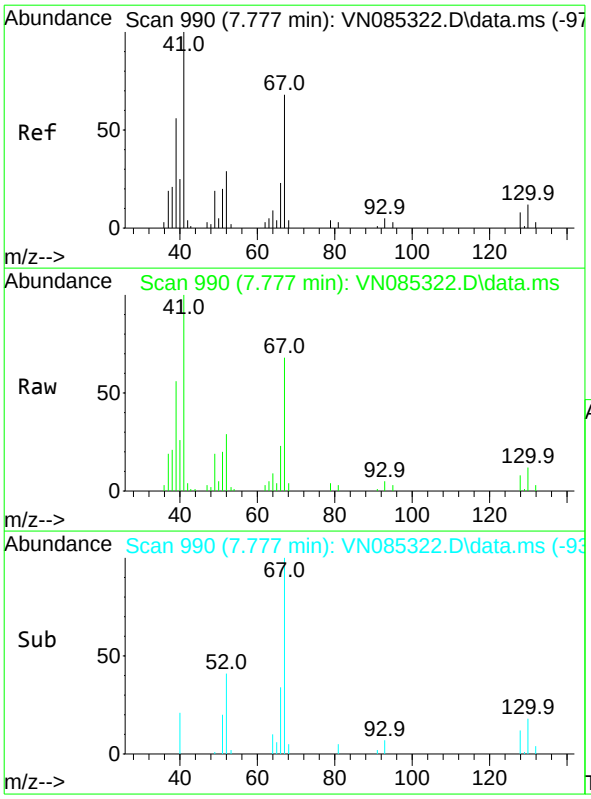


#40
Benzene
Concen: 49.867 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 78 Resp: 383405

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

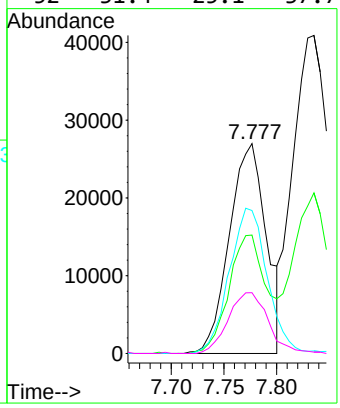




#41
Methacrylonitrile
Concen: 50.764 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 41 Resp: 65714

Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.8
67	71.4	57.1	85.7
52	31.4	25.1	37.7



Instrument :
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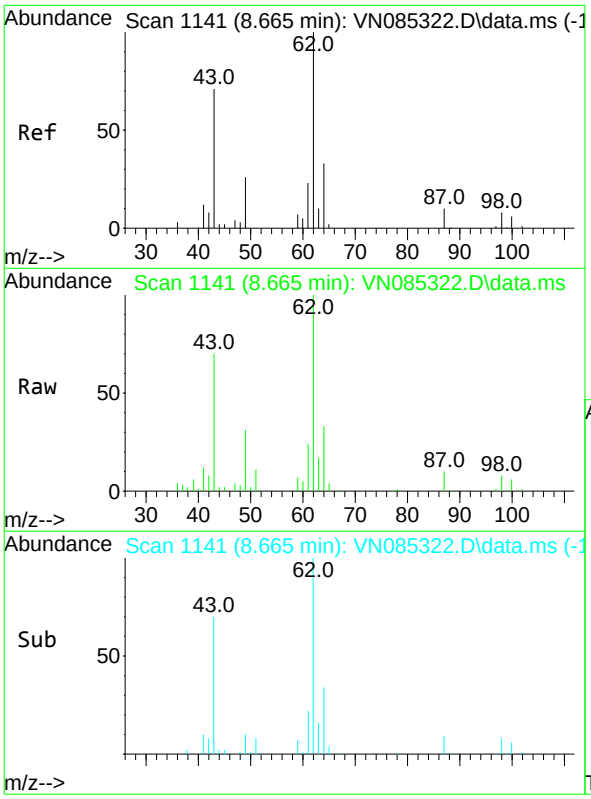
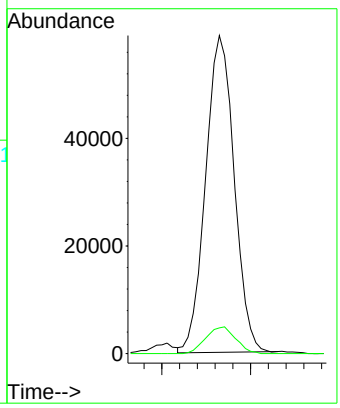
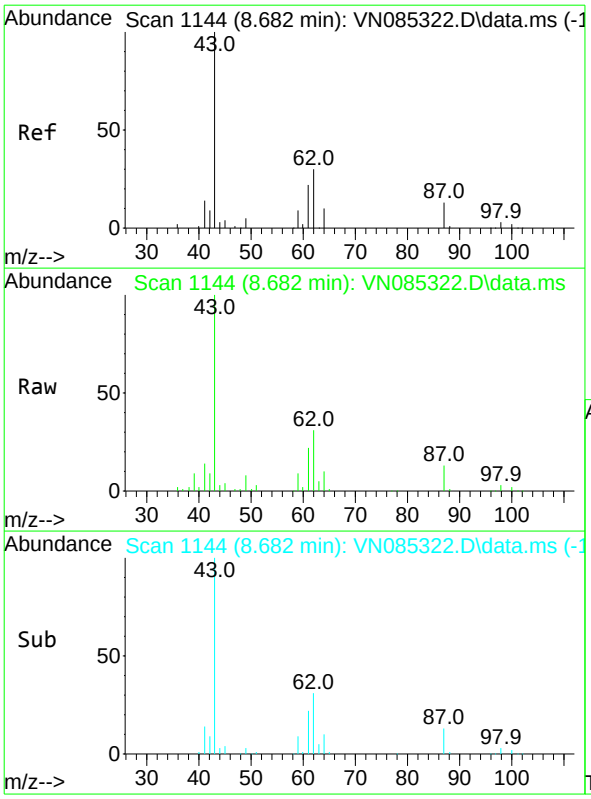


#42
1,2-Dichloroethane
Concen: 47.766 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 62 Resp: 131673

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

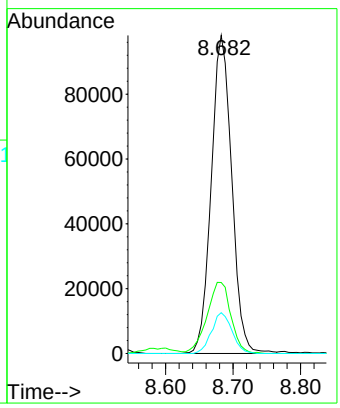




#43
Isopropyl Acetate
Concen: 49.811 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 207309

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.8	31.2
87	12.8	10.2	15.4



Instrument :
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ClientSampleId :
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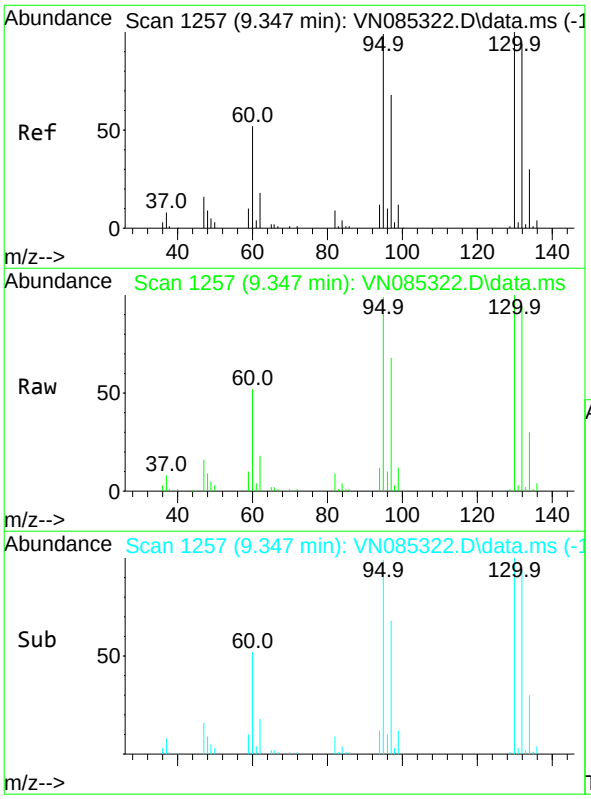
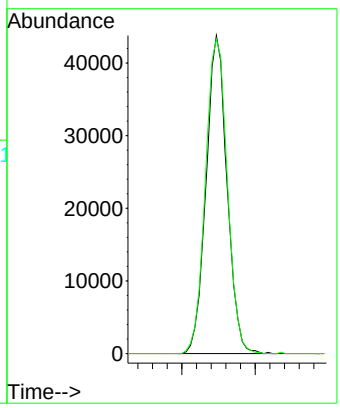
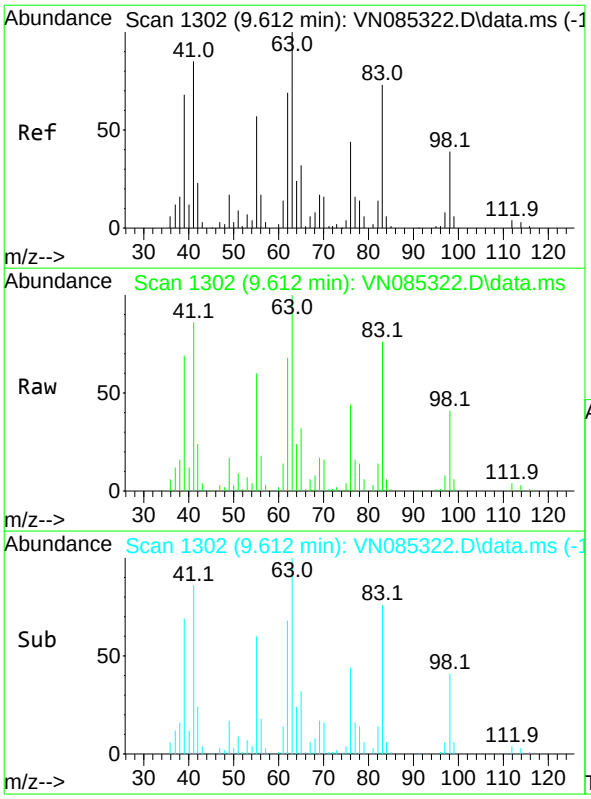


#44
Trichloroethene
Concen: 47.578 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:130 Resp: 86607

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.8

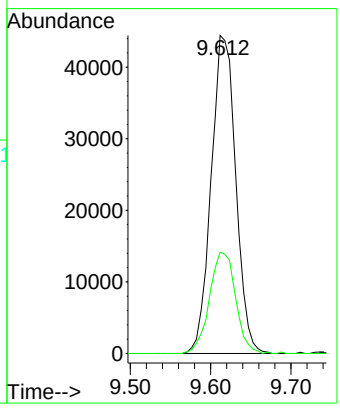




#45
1,2-Dichloropropane
Concen: 48.407 ug/l
RT: 9.612 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 63 Resp: 94480

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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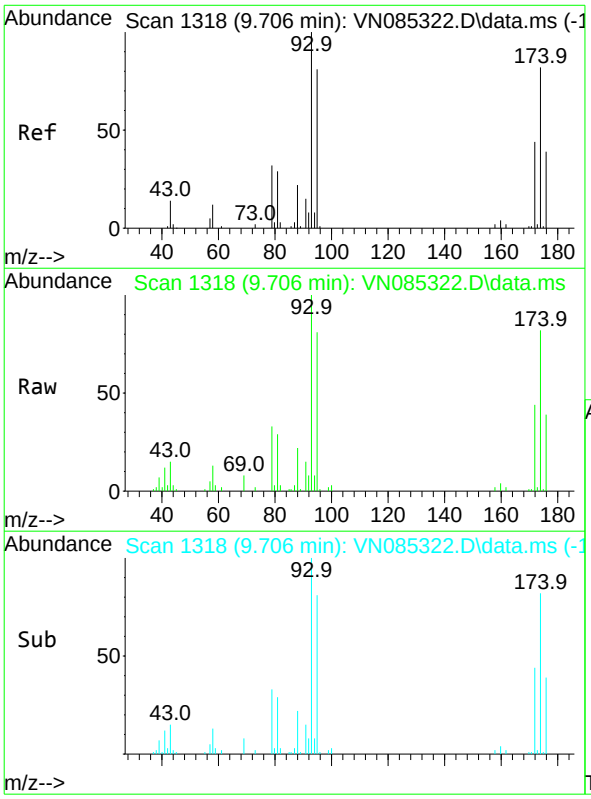
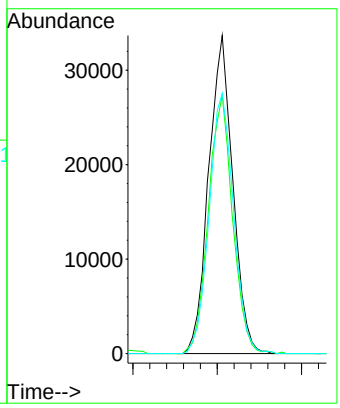
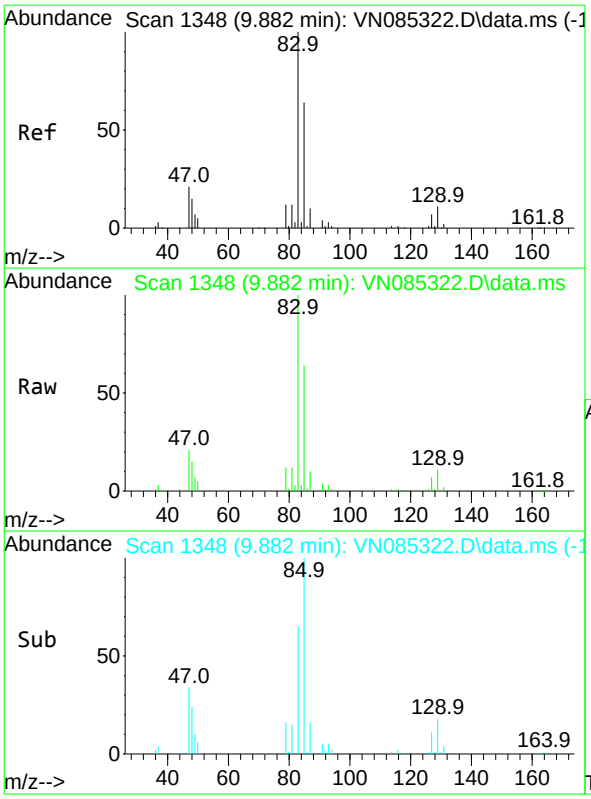


#46
Dibromomethane
Concen: 49.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 93 Resp: 66895

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.3	97.9
174	83.0	66.4	99.6

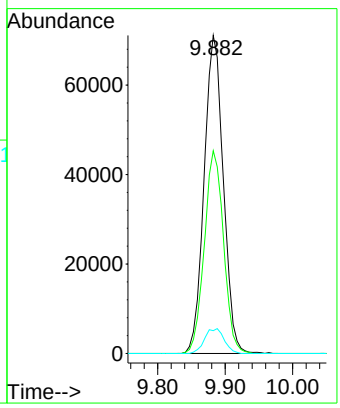




#47
Bromodichloromethane
Concen: 49.791 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 83 Resp: 140475

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	7.2	5.8	8.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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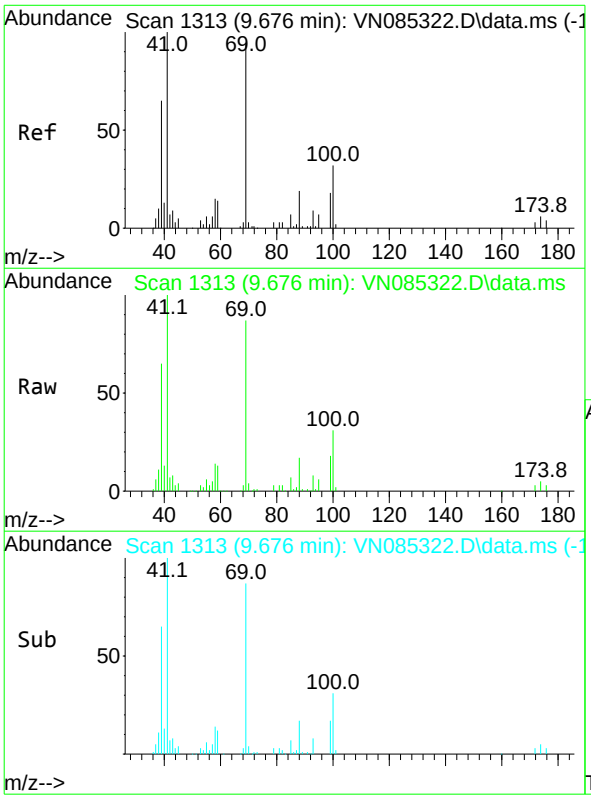
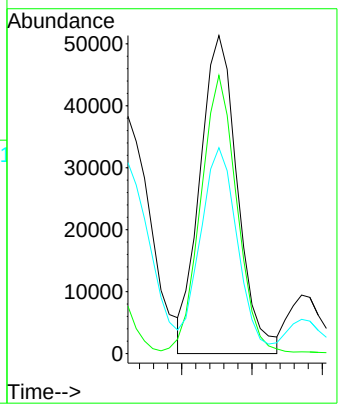
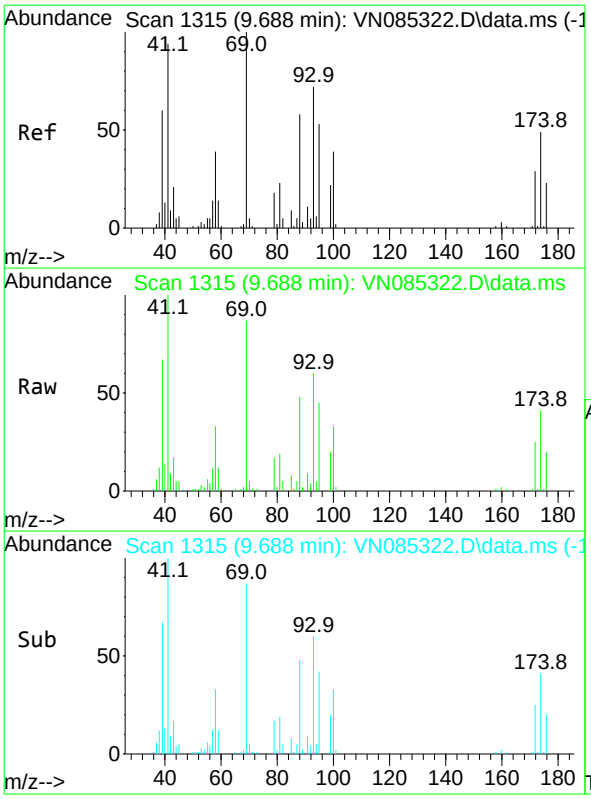


#48
Methyl methacrylate
Concen: 52.885 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 41 Resp: 95506

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.7	101.5
39	64.0	51.2	76.8

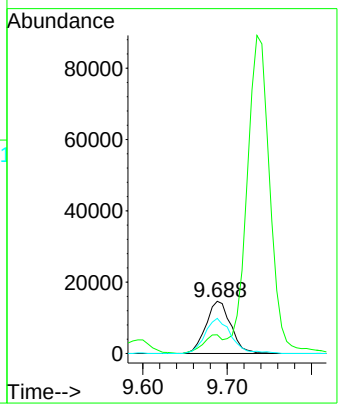




#49
1,4-Dioxane
Concen: 1099.805 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 88 Resp: 29967

Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.1	33.1
58	70.9	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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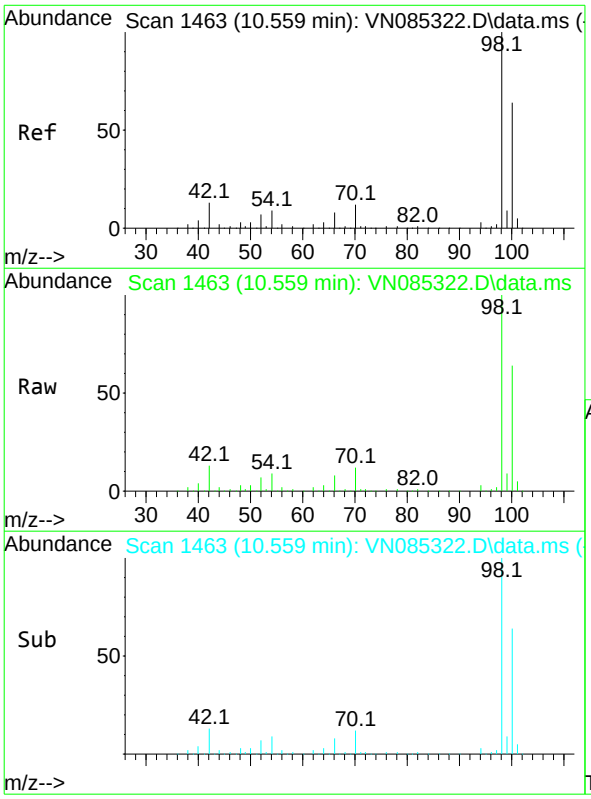
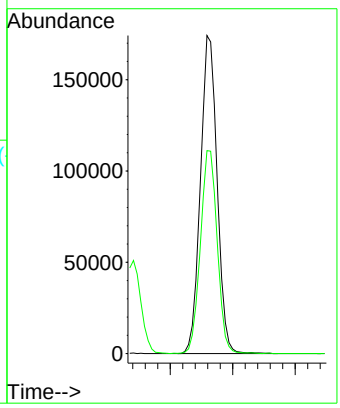
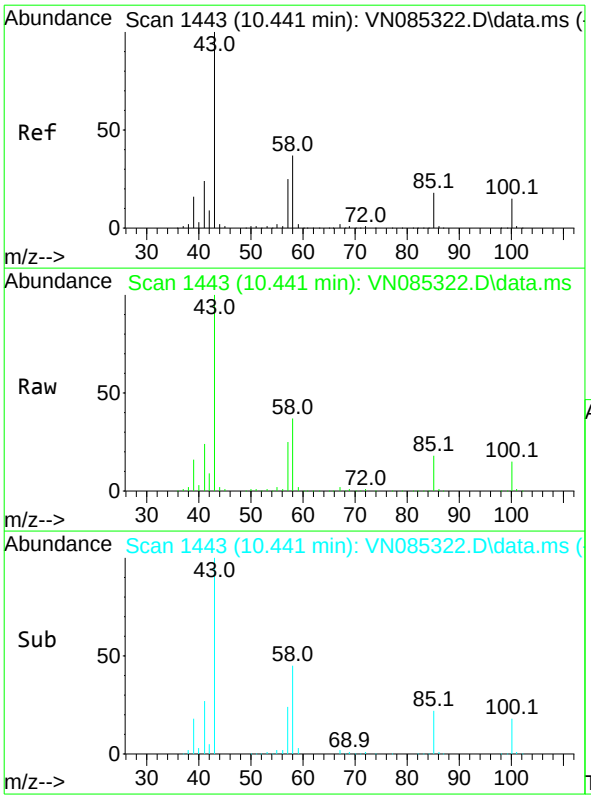


#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 98 Resp: 323100

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3

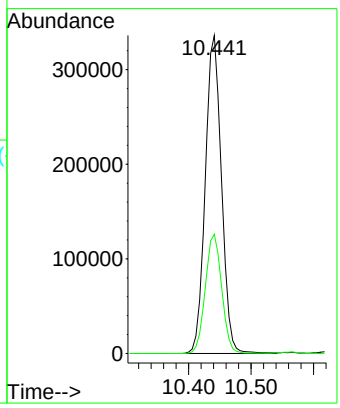




#51
4-Methyl-2-Pentanone
Concen: 258.422 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 604417

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5



Instrument :
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ClientSampleId :
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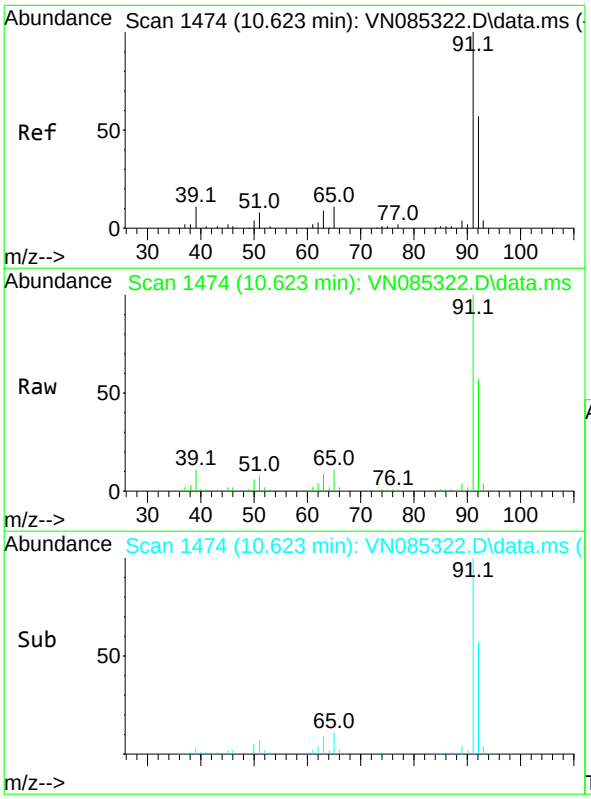
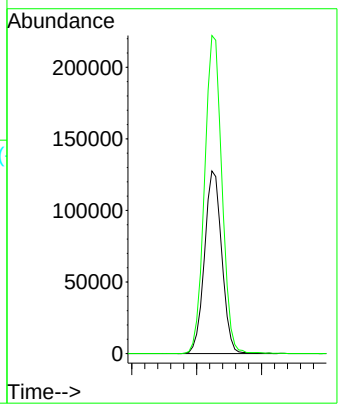
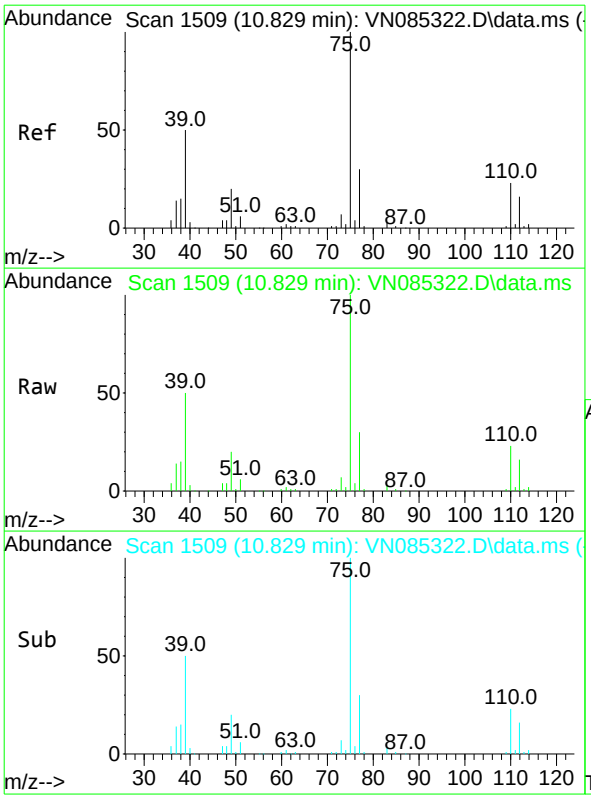


#52
Toluene
Concen: 51.469 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 92 Resp: 235625

Ion	Ratio	Lower	Upper
92	100		
91	175.3	140.2	210.4

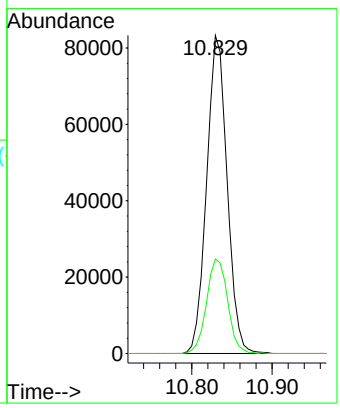




#53
t-1,3-Dichloropropene
Concen: 53.087 ug/l
RT: 10.829 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 147289

Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6



Instrument :
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ClientSampleId :
VSTDICCC050

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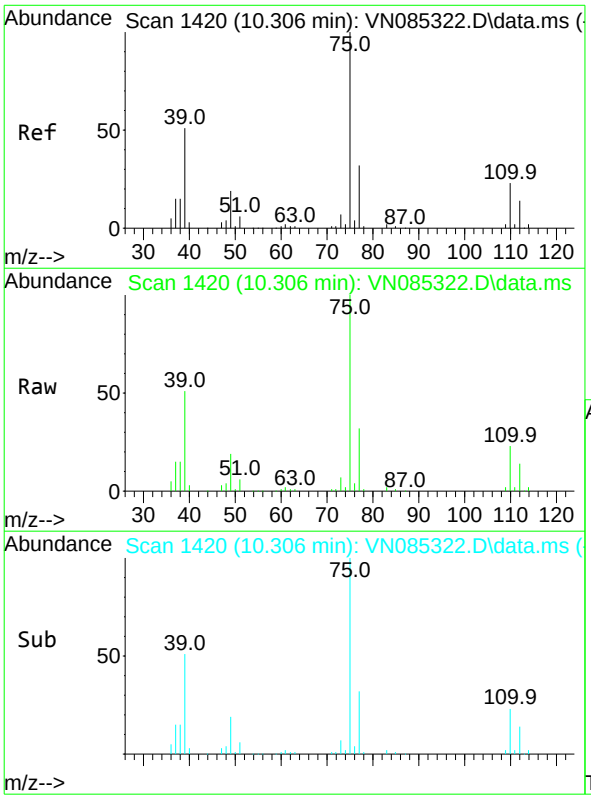
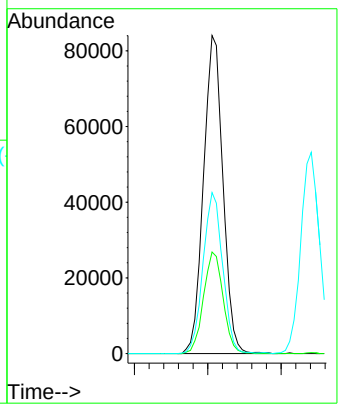
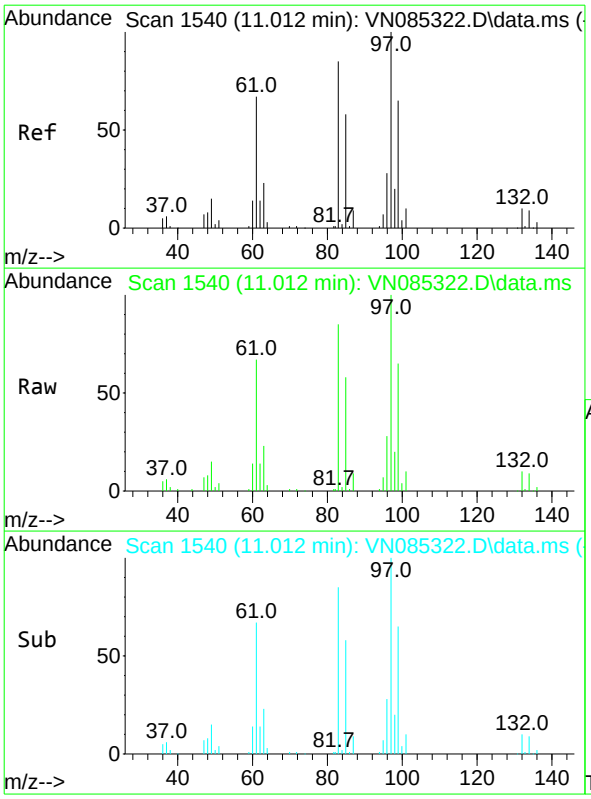


#54
cis-1,3-Dichloropropene
Concen: 51.536 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 154618

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	50.6	40.5	60.7

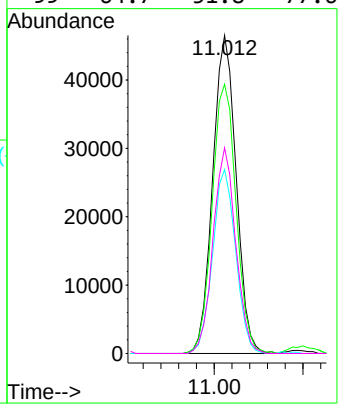




#55
1,1,2-Trichloroethane
Concen: 49.329 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 97 Resp: 85262

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	57.8	46.2	69.4
99	64.7	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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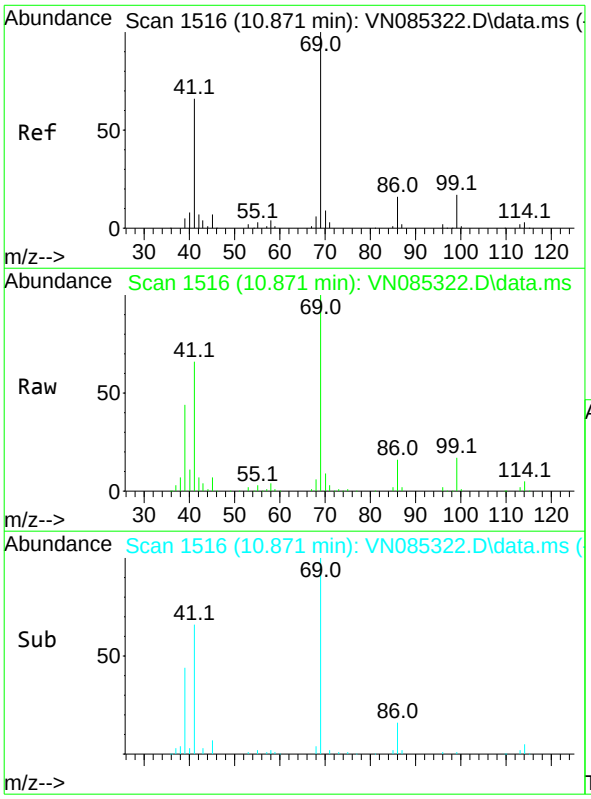
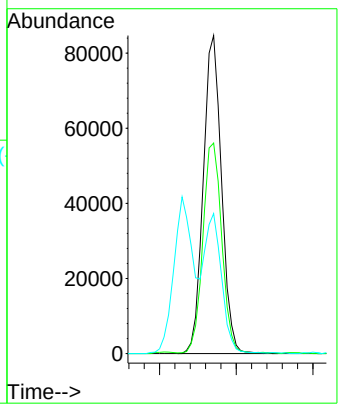
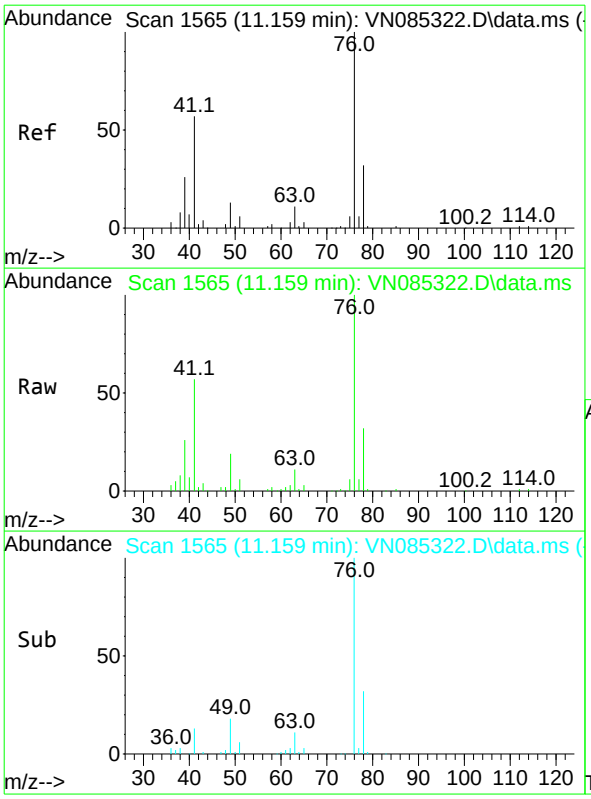


#56
Ethyl methacrylate
Concen: 55.599 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 69 Resp: 139960

Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.3	81.5
39	40.0	32.0	48.0

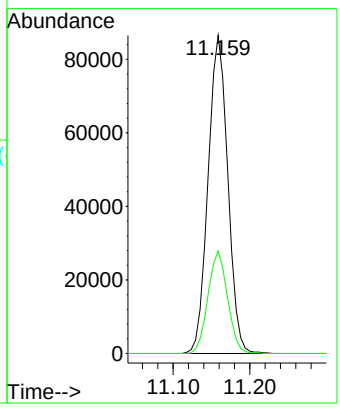




#57
1,3-Dichloropropane
Concen: 50.893 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 76 Resp: 154391

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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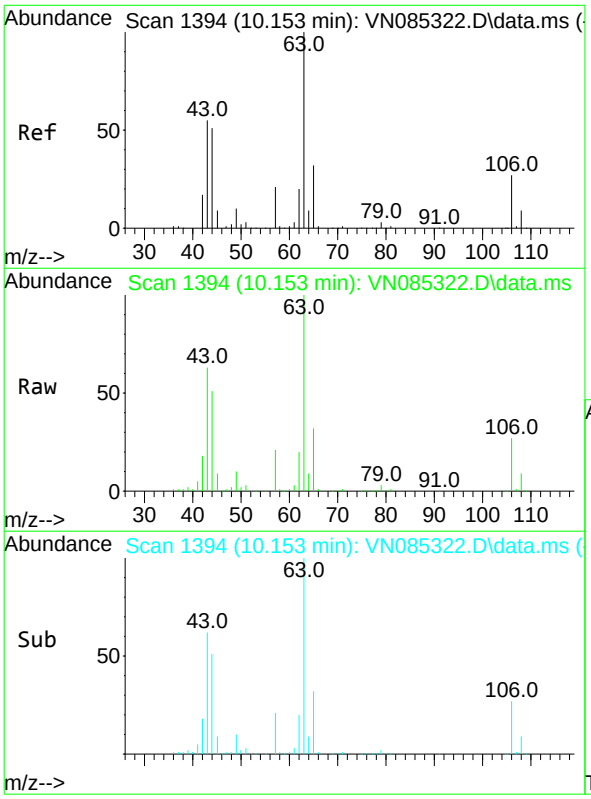
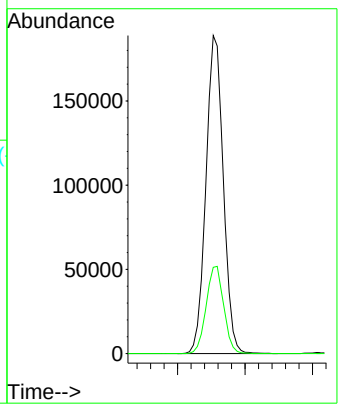
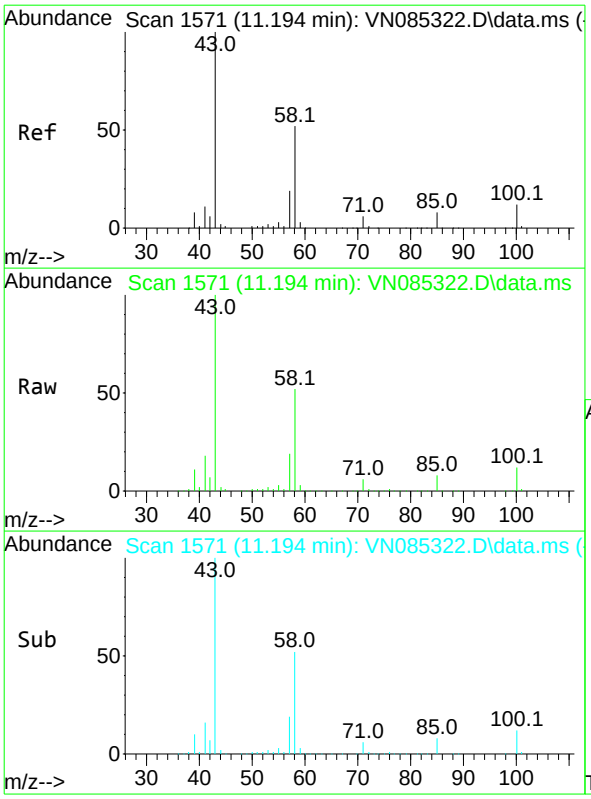


#58
2-Chloroethyl Vinyl ether
Concen: 276.695 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 63 Resp: 336991

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1

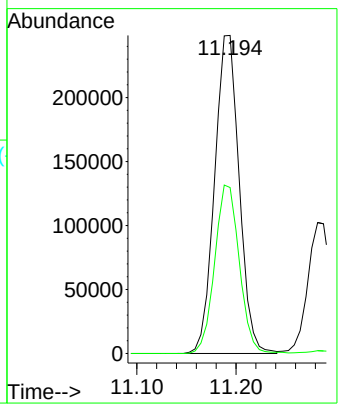




#59
2-Hexanone
Concen: 263.862 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 428174

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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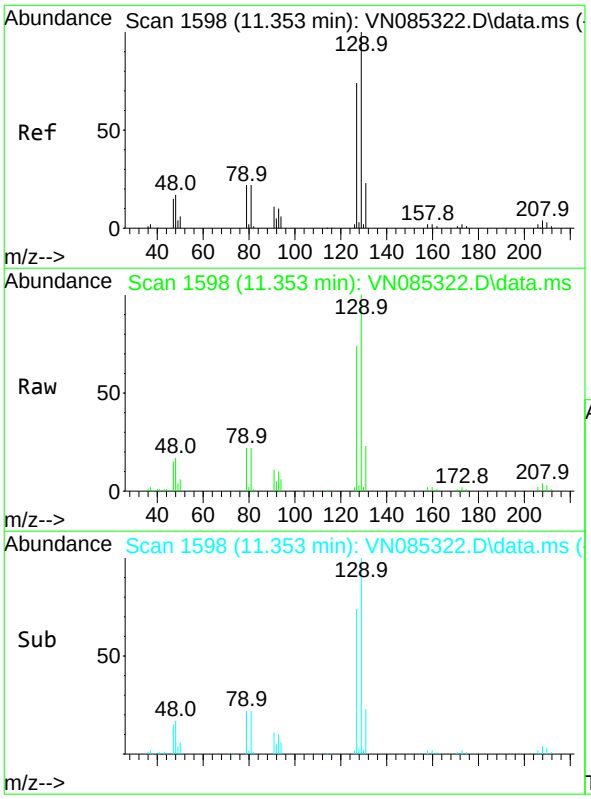
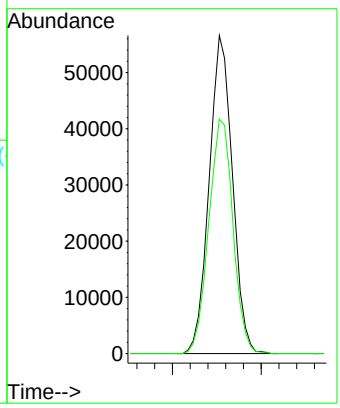
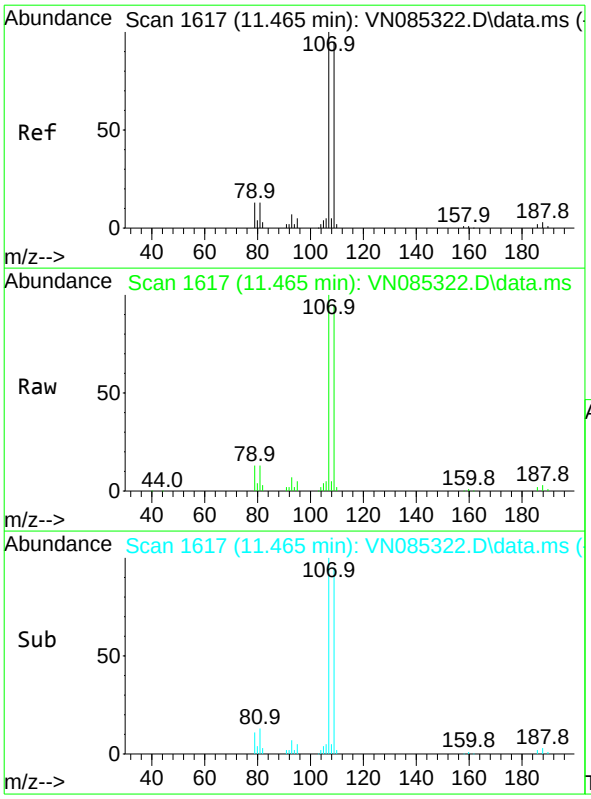


#60
Dibromochloromethane
Concen: 52.999 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:129 Resp: 103179

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

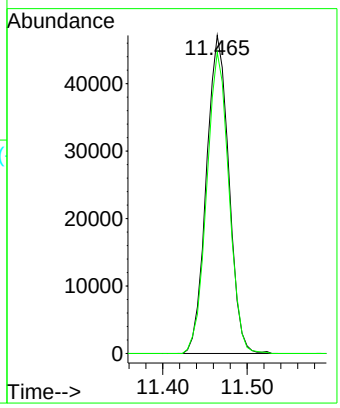




#61
1,2-Dibromoethane
Concen: 50.969 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:107 Resp: 87157

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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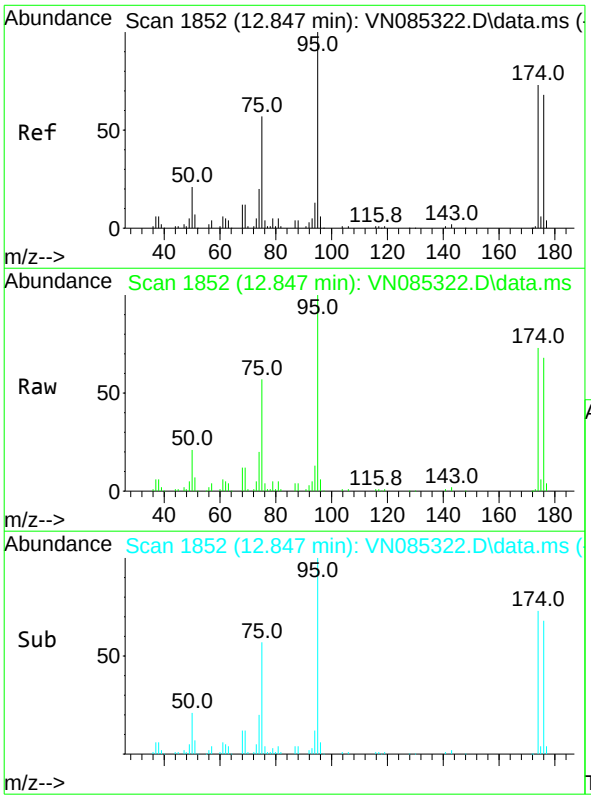
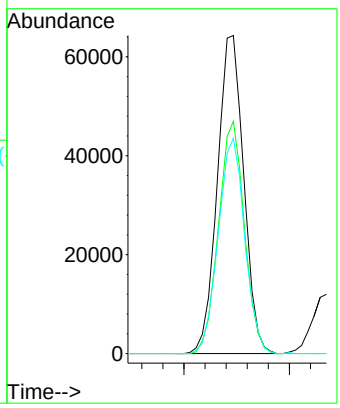
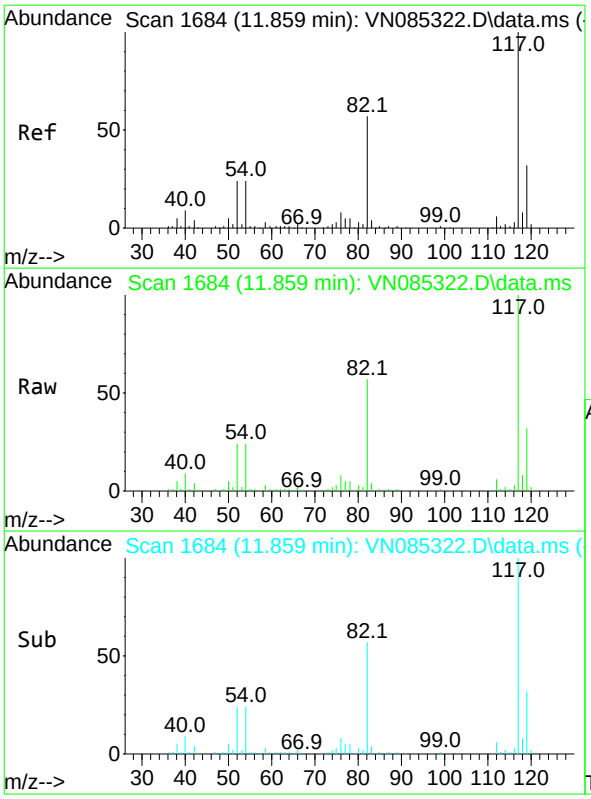


#62
4-Bromofluorobenzene
Concen: 52.700 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 95 Resp: 111548

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	143.2
176	67.9	0.0	135.8

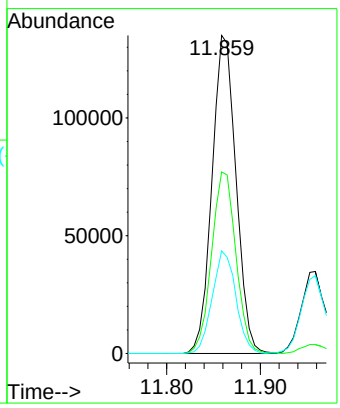




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:117 Resp: 240680

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.3	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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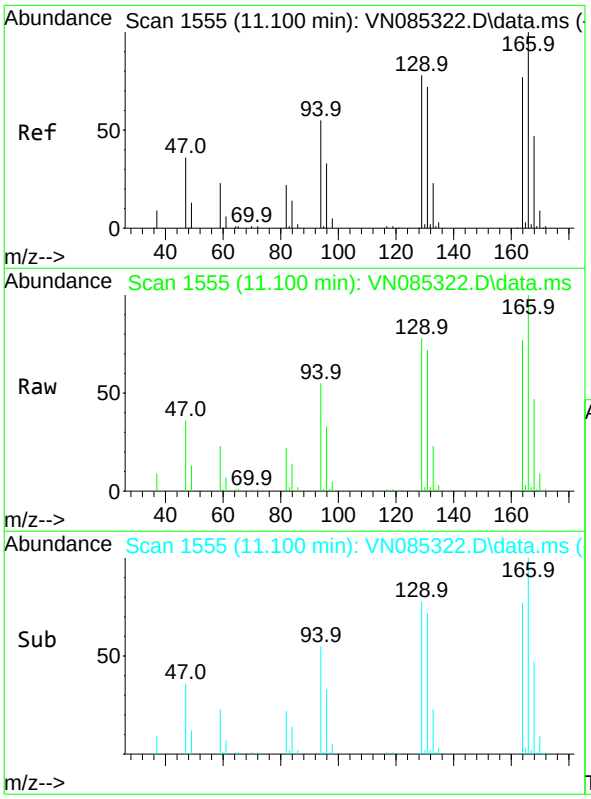
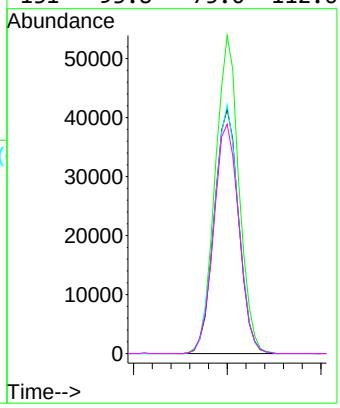
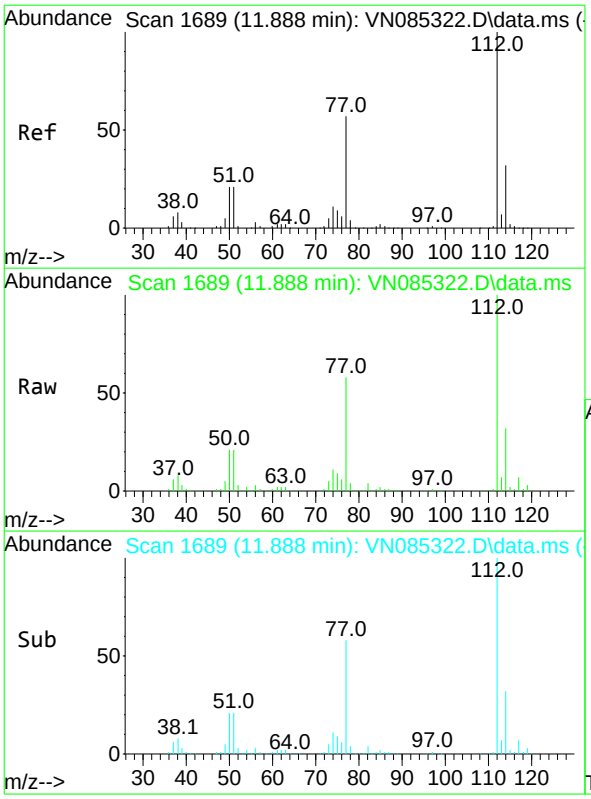


#64
Tetrachloroethene
Concen: 49.270 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:164 Resp: 75140

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	101.6	81.3	121.9
131	93.8	75.0	112.6

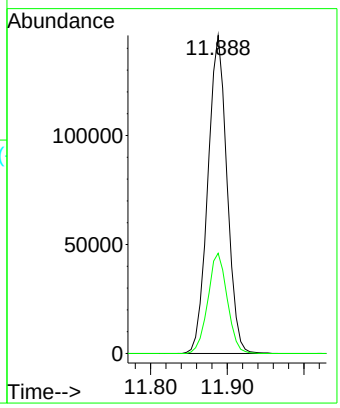




#65
Chlorobenzene
Concen: 48.550 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:112 Resp: 252514

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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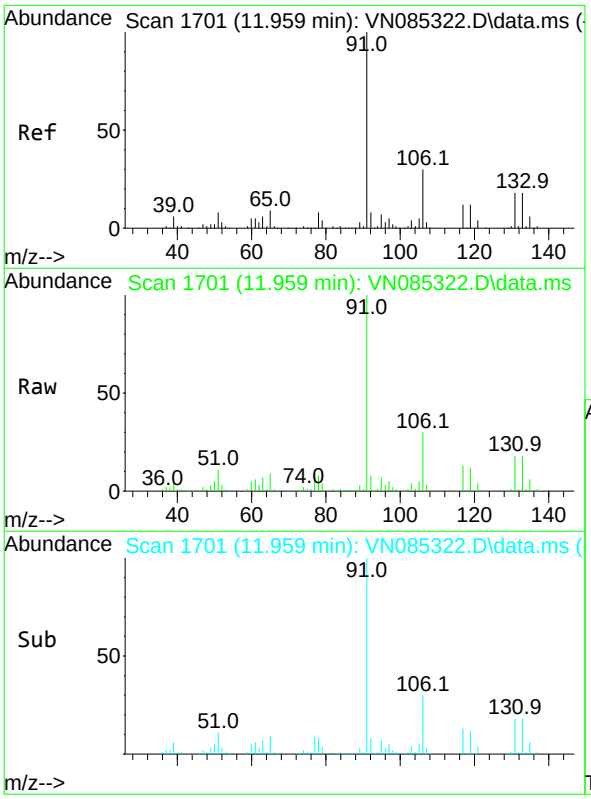
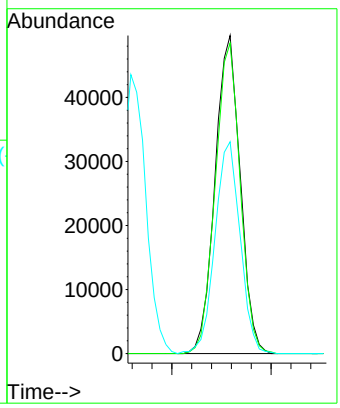
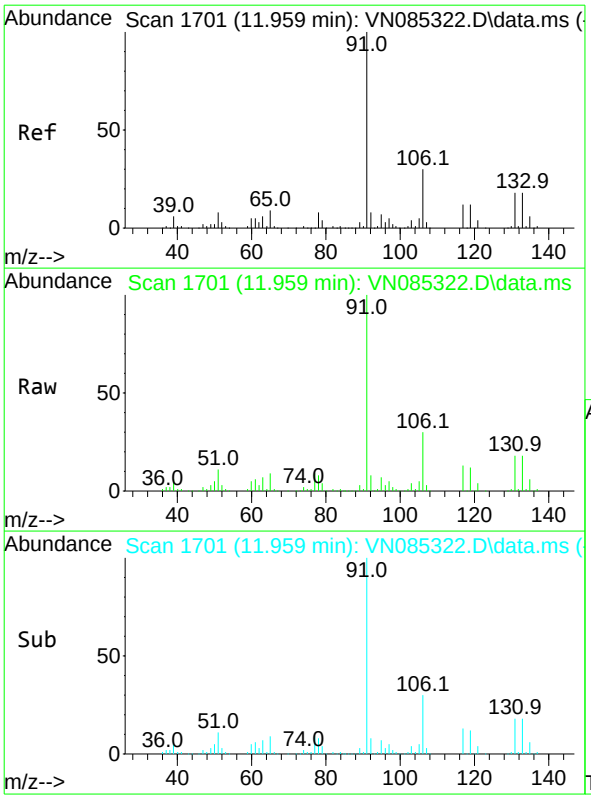


#66
1,1,1,2-Tetrachloroethane
Concen: 50.030 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:131 Resp: 87333

Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.3	144.9
119	66.7	33.4	100.1

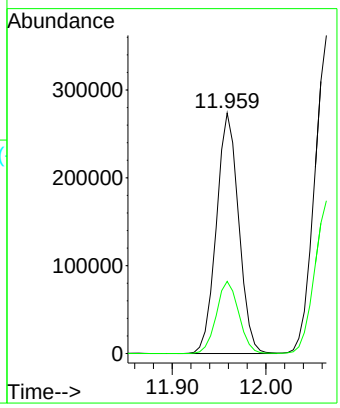




#67
Ethyl Benzene
Concen: 52.228 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 451752

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0



Instrument :
MSVOA_N
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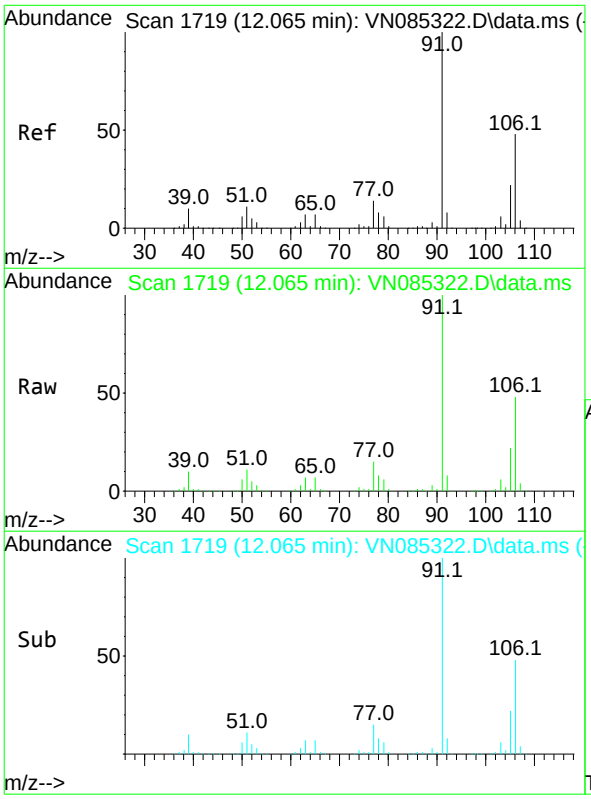
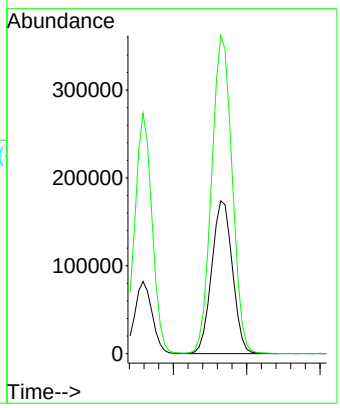
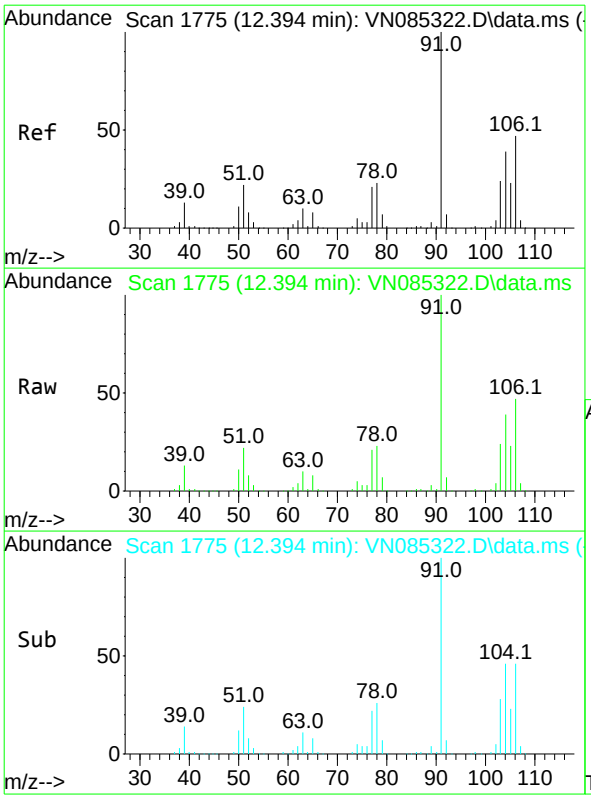


#68
m/p-Xylenes
Concen: 107.860 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:106 Resp: 341420

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.2	247.8

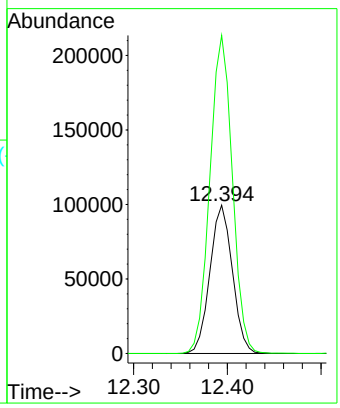




#69
o-Xylene
Concen: 54.121 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:106 Resp: 165724

Ion	Ratio	Lower	Upper
106	100		
91	214.5	107.3	321.8



Instrument :
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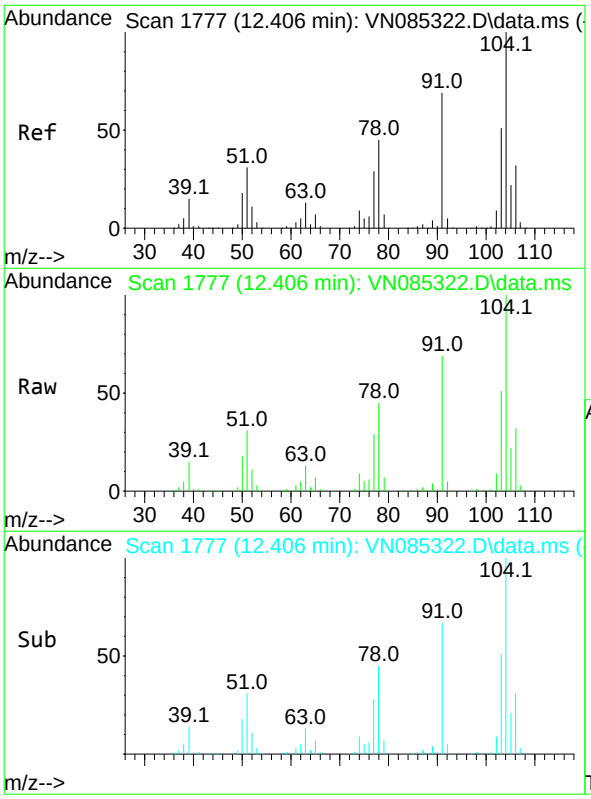
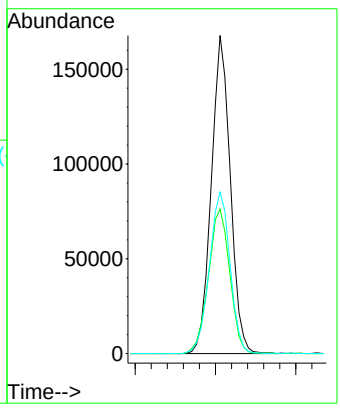
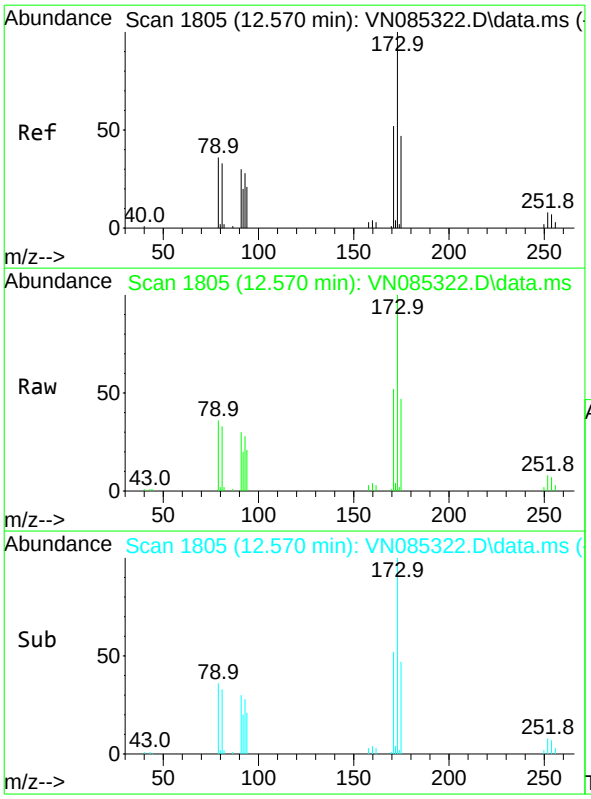


#70
Styrene
Concen: 55.616 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:104 Resp: 276012

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	55.1	44.1	66.1

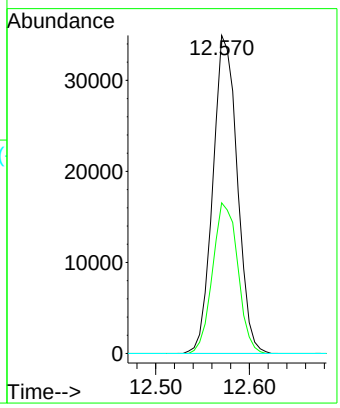




#71
Bromoform
Concen: 52.330 ug/l
RT: 12.570 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:173 Resp: 63268

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
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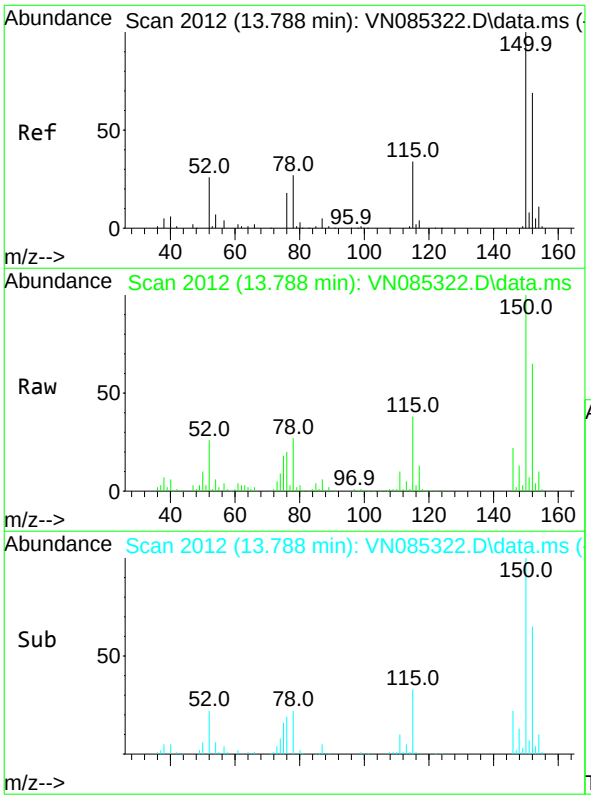
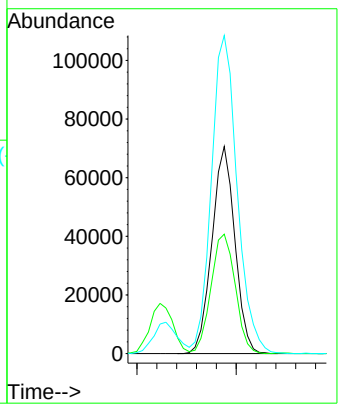
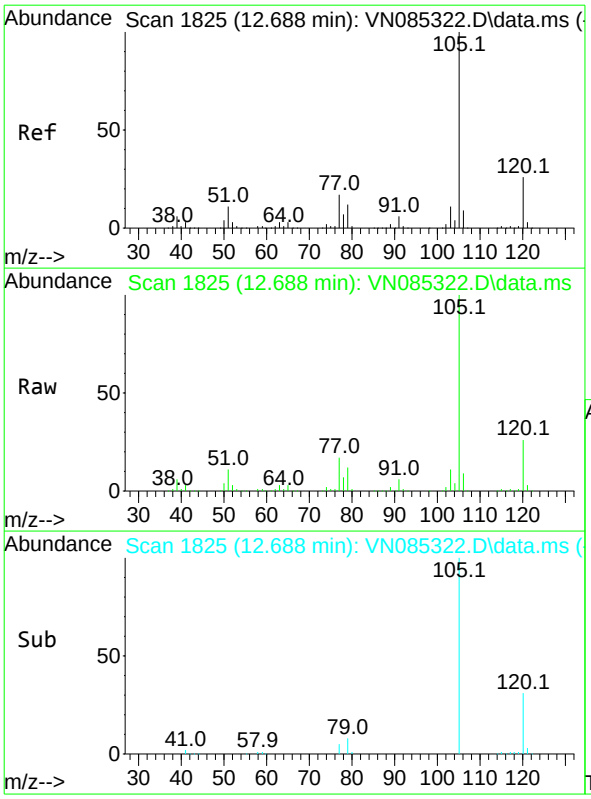


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:152 Resp: 113462

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.3
150	172.5	0.0	345.0

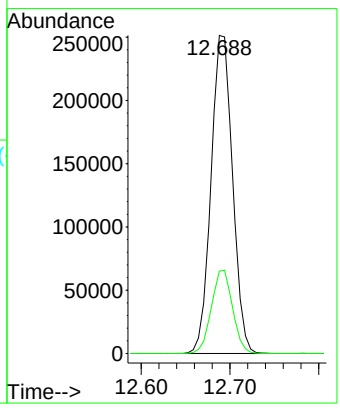




#73
Isopropylbenzene
Concen: 51.888 ug/l
RT: 12.688 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 423362

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
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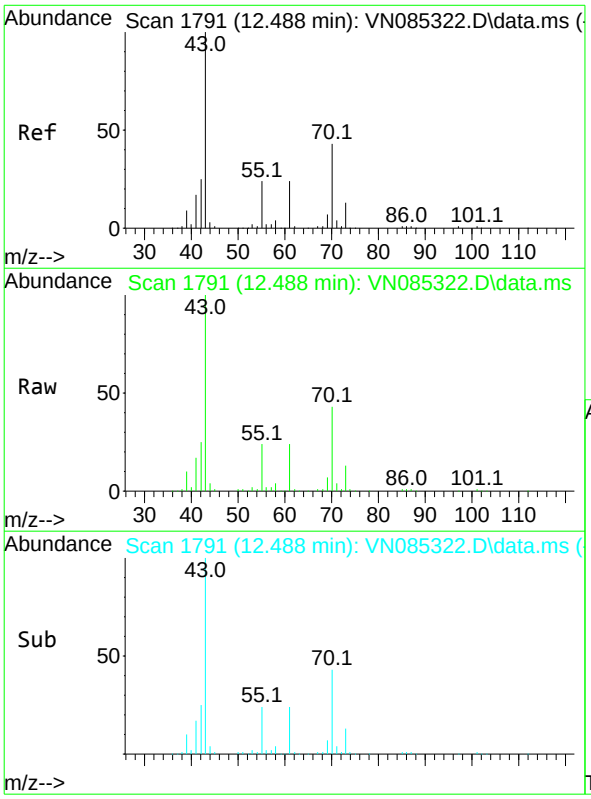
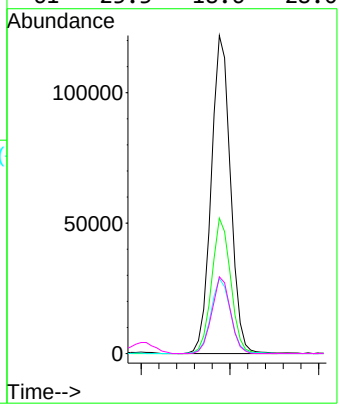
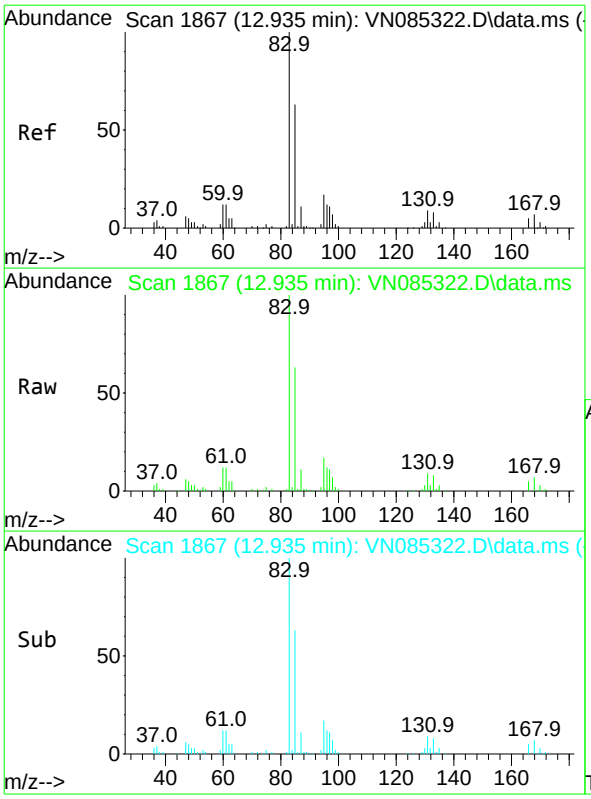


#74
N-amyl acetate
Concen: 52.669 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 183943

Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.0
55	24.0	19.2	28.8
61	23.3	18.6	28.0

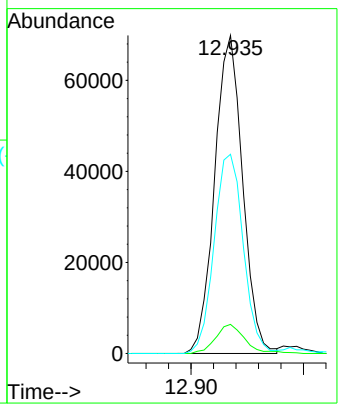




#75
1,1,2,2-Tetrachloroethane
Concen: 46.441 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 83 Resp: 120681

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.3	32.6	98.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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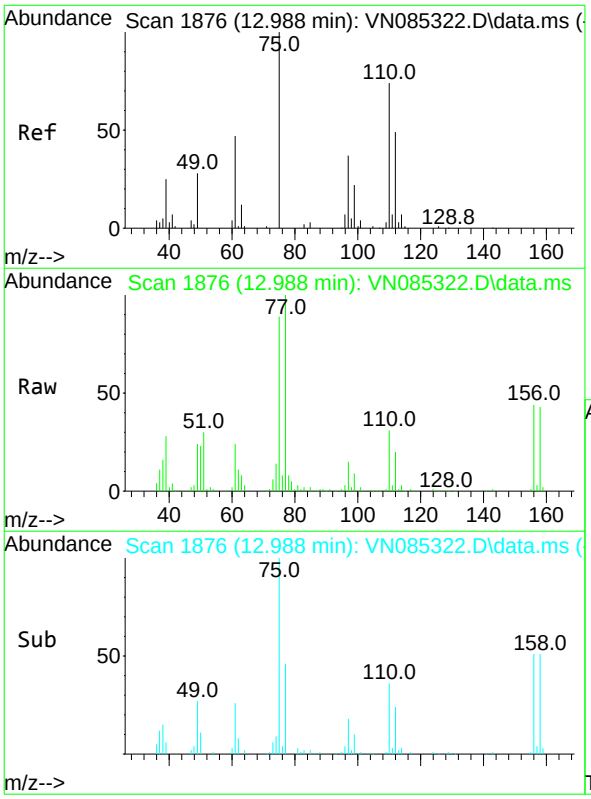
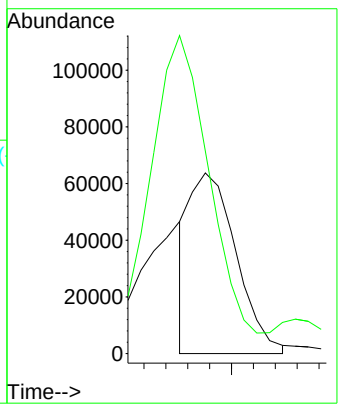
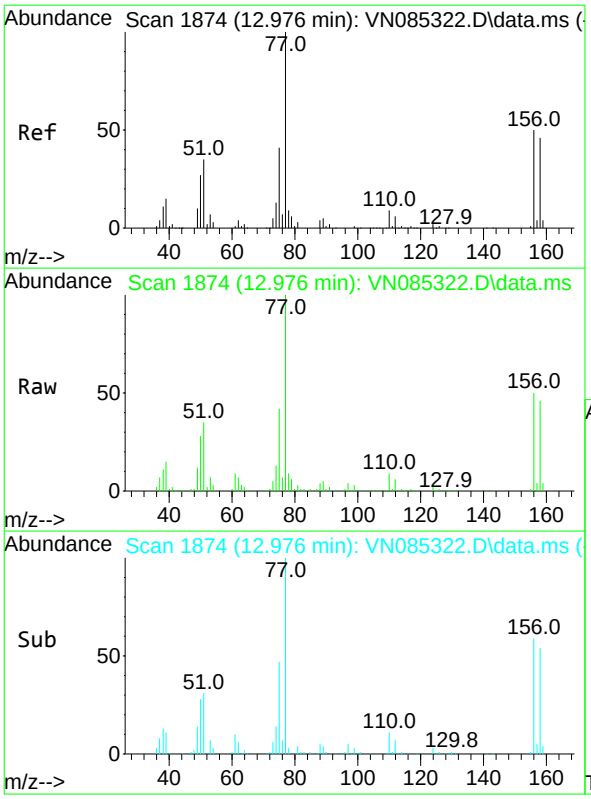


#76
1,2,3-Trichloropropane
Concen: 43.170 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 94097

Ion	Ratio	Lower	Upper
75	100		
77	230.5	98.1	294.3

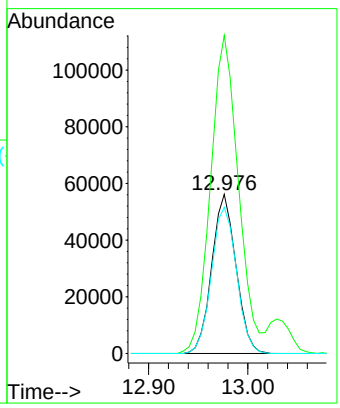




#77
Bromobenzene
Concen: 47.058 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:156 Resp: 95126

Ion	Ratio	Lower	Upper
156	100		
77	228.0	114.0	342.0
158	95.2	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
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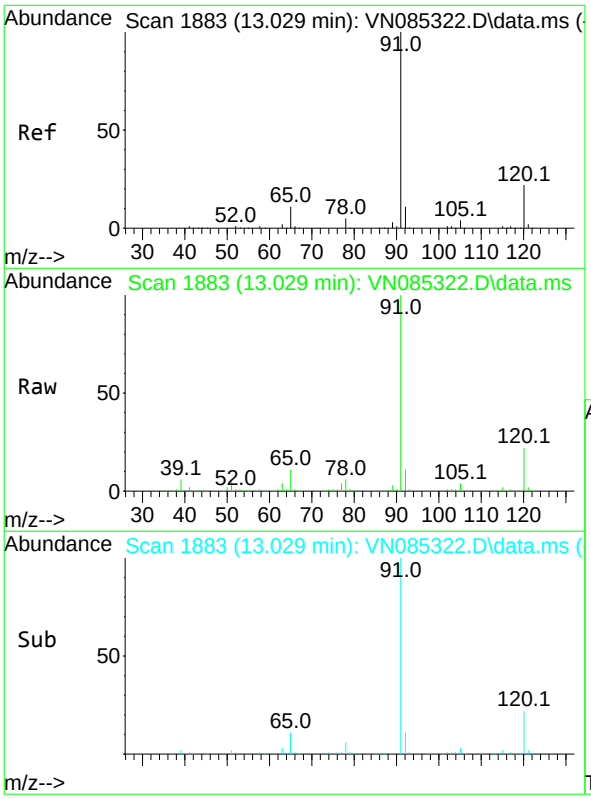
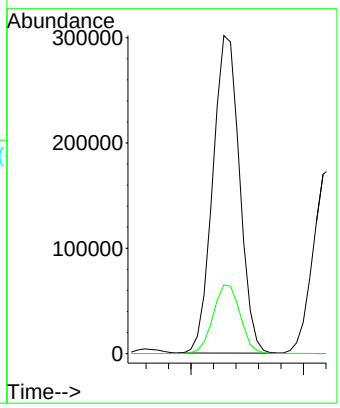
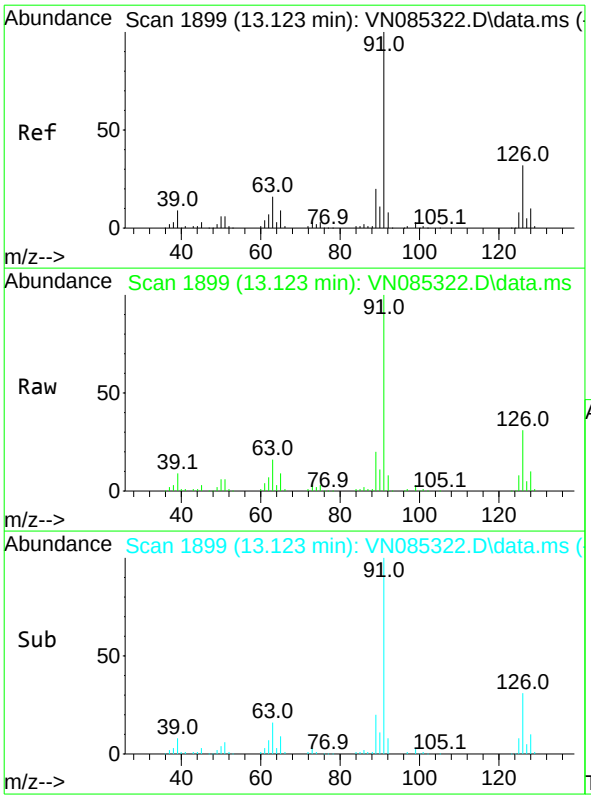


#78
n-propylbenzene
Concen: 52.403 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 498392

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9

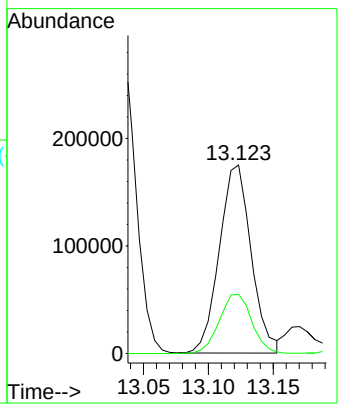




#79
2-Chlorotoluene
Concen: 49.970 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 299107

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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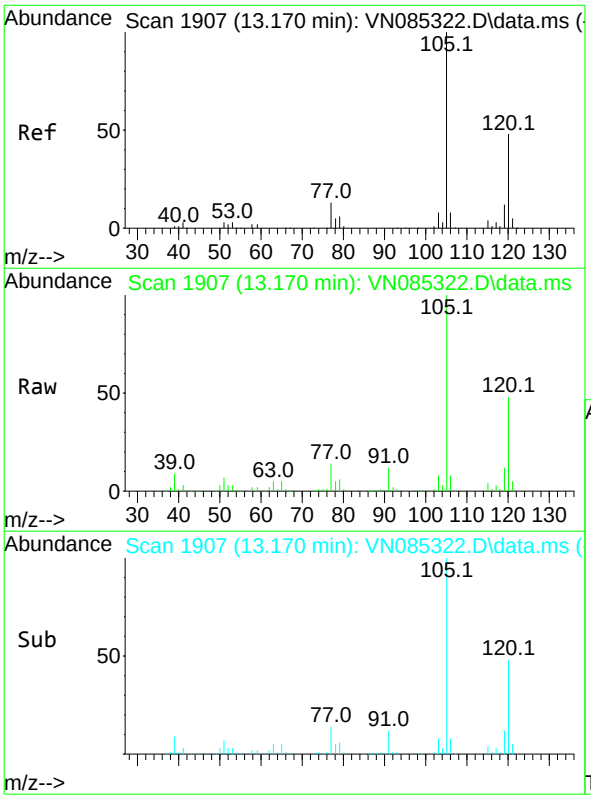
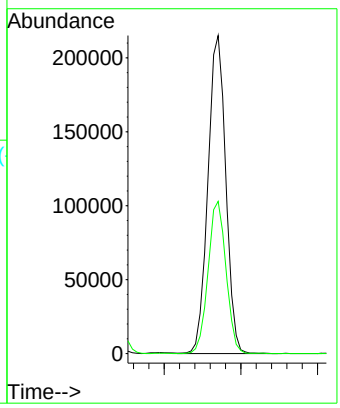
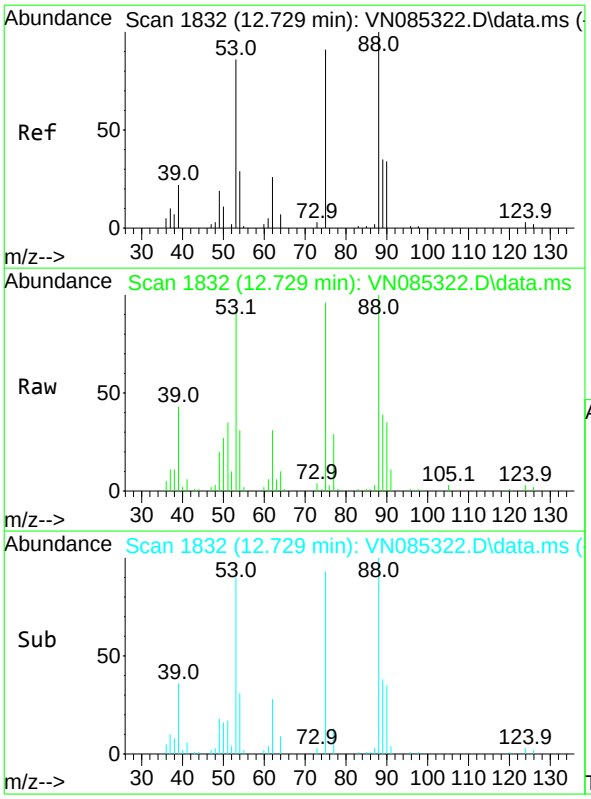


#80
1,3,5-Trimethylbenzene
Concen: 52.709 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 347857

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0

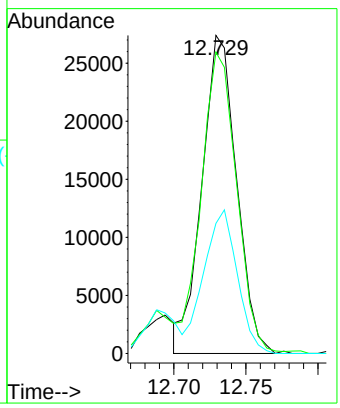




#81
trans-1,4-Dichloro-2-butene
Concen: 51.950 ug/l m
RT: 12.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 45749

Ion	Ratio	Lower	Upper
75	100		
53	97.7	80.0	120.0
89	43.8	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
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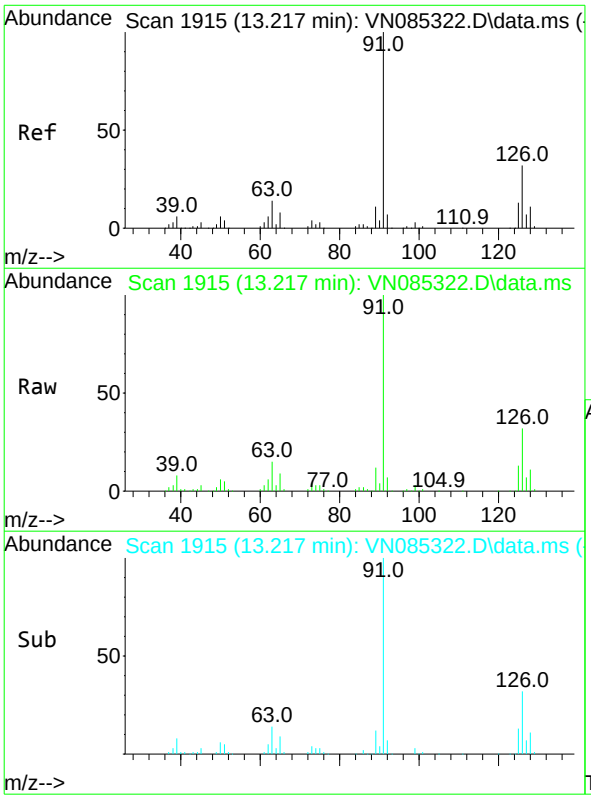
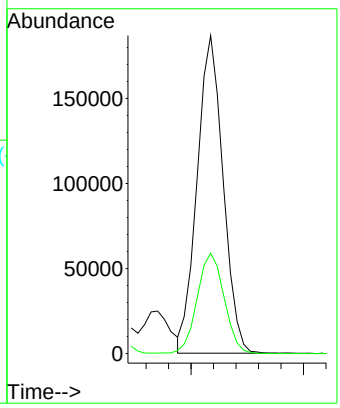
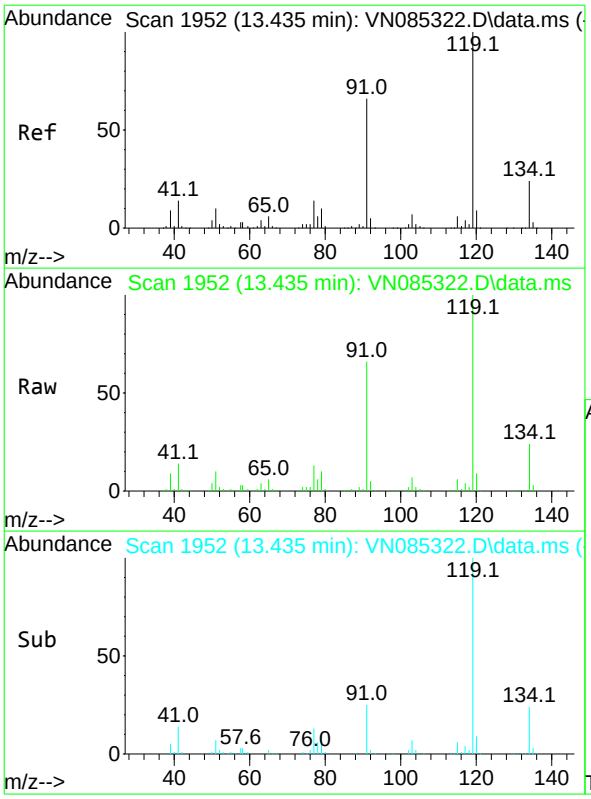


#82
4-Chlorotoluene
Concen: 49.717 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 299712

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

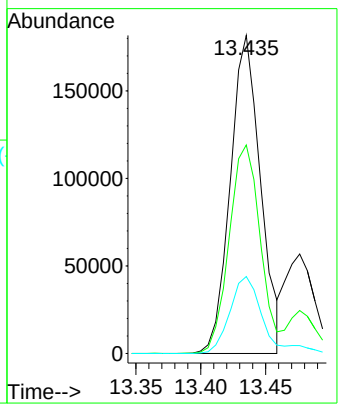




#83
tert-Butylbenzene
Concen: 51.541 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:119 Resp: 294653

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	26.5	13.3	39.8



Instrument :
MSVOA_N
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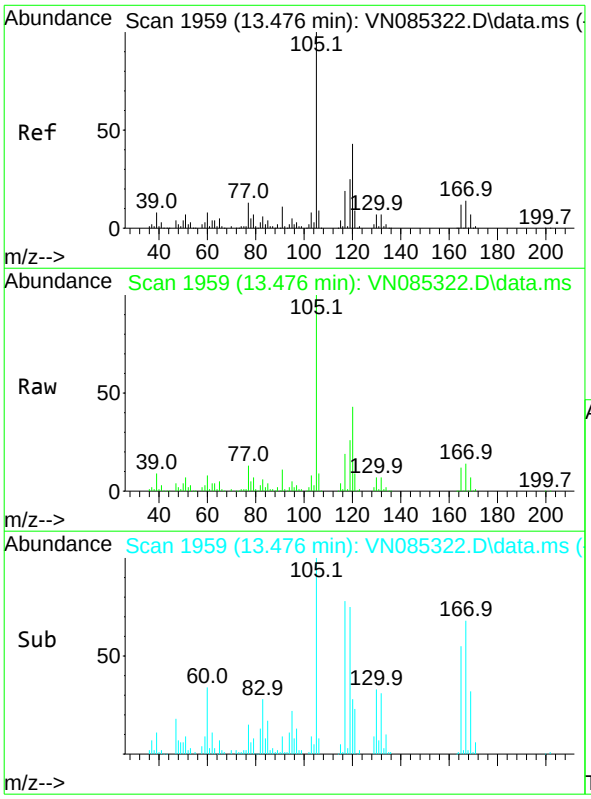
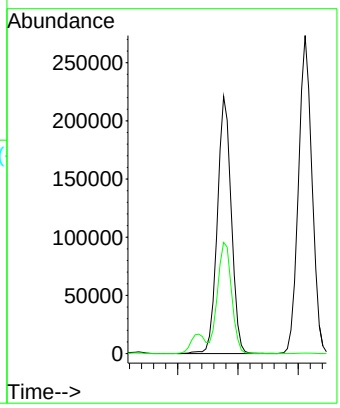
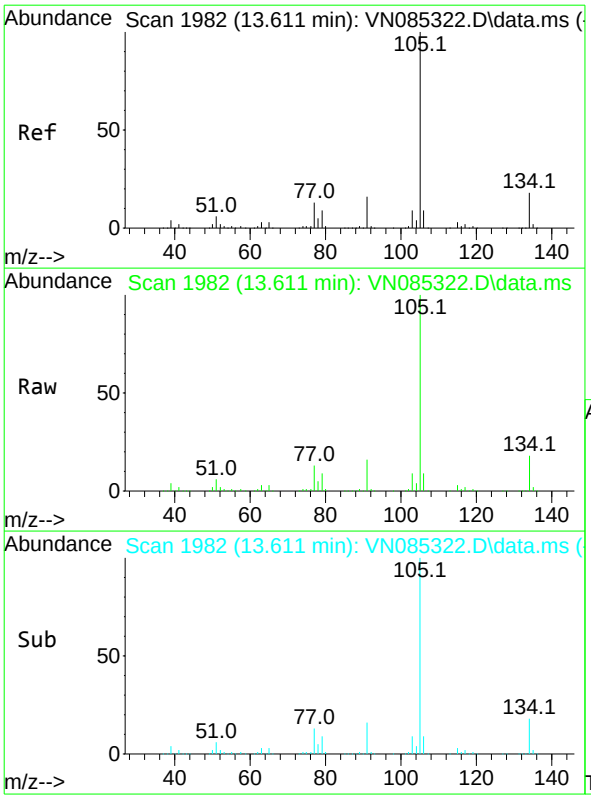


#84
1,2,4-Trimethylbenzene
Concen: 53.875 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 354037

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1

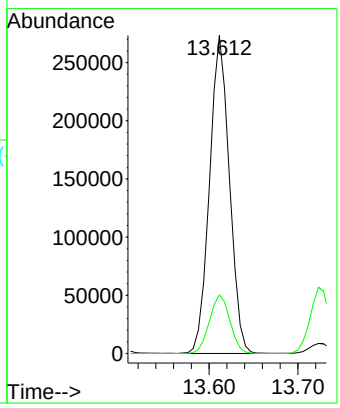




#85
sec-Butylbenzene
Concen: 53.476 ug/l
RT: 13.611 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 424353

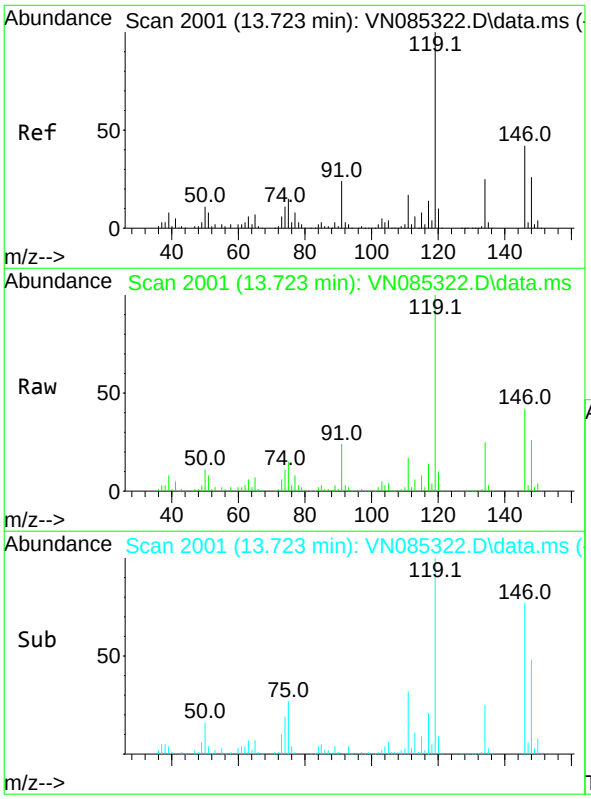
Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

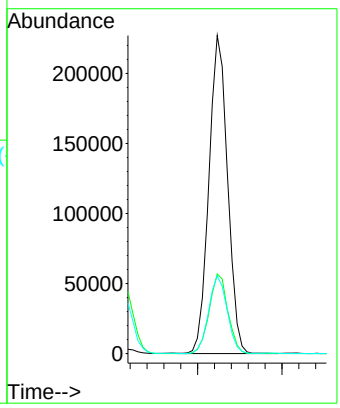
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

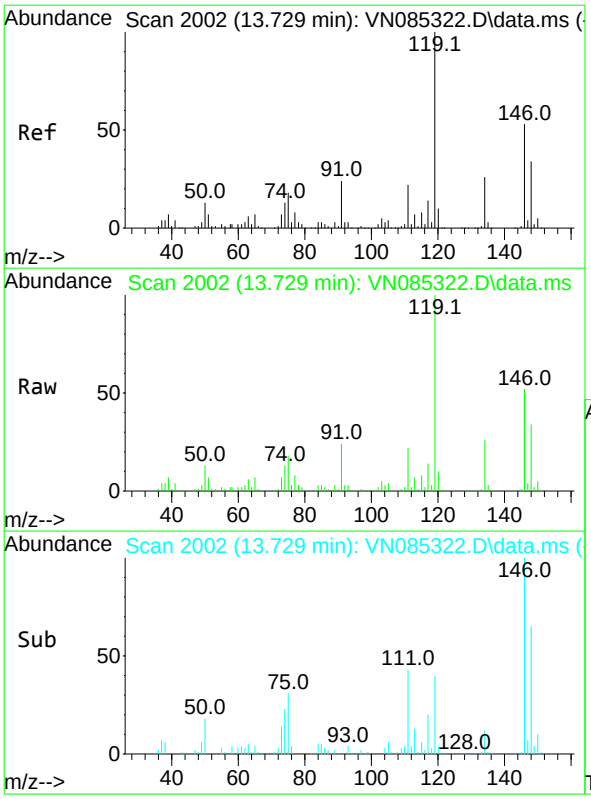


#86
p-Isopropyltoluene
Concen: 49.276 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:119 Resp: 349527

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.3	12.2	36.4

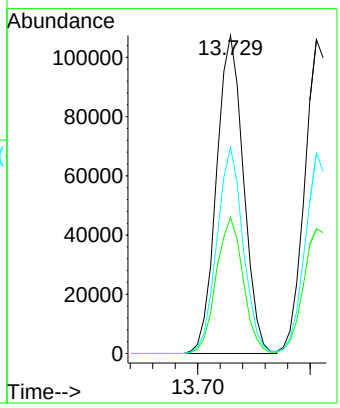




#87
1,3-Dichlorobenzene
Concen: 48.928 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:146 Resp: 179301

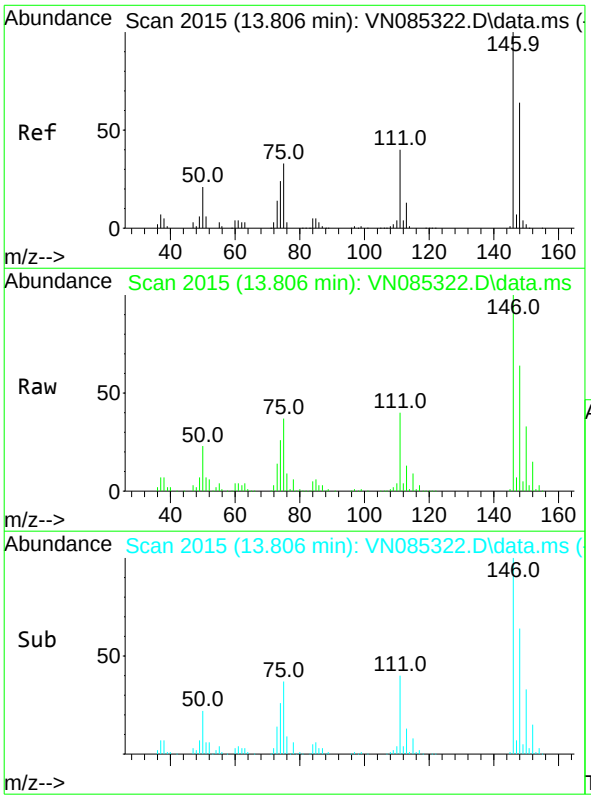
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.0	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

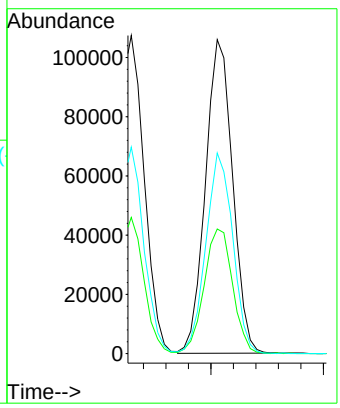
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

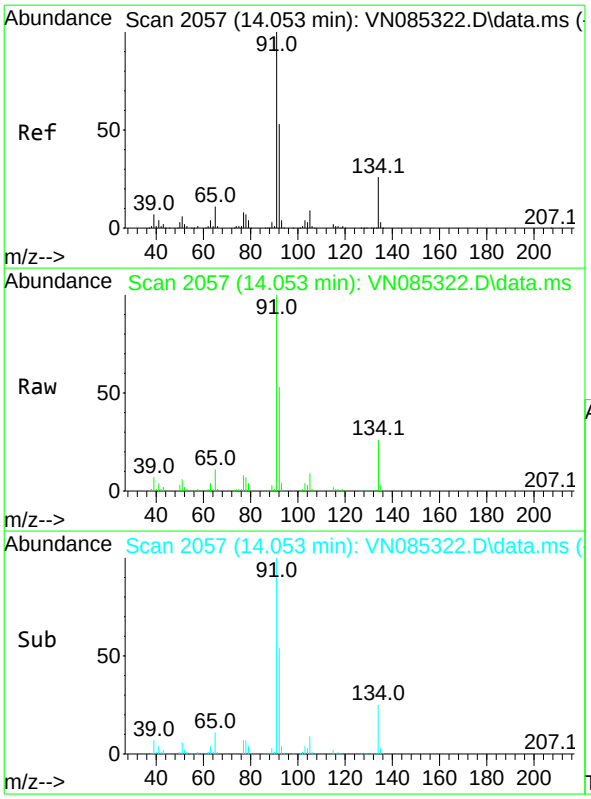


#88
1,4-Dichlorobenzene
Concen: 47.253 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:146 Resp: 177873

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.4	31.7	95.1

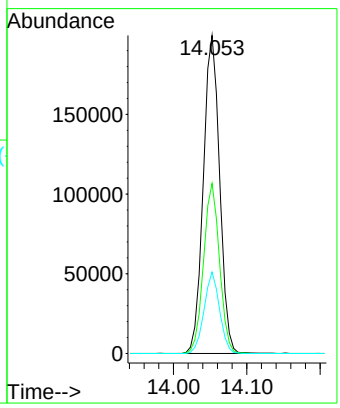




#89
n-Butylbenzene
Concen: 53.178 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 309010

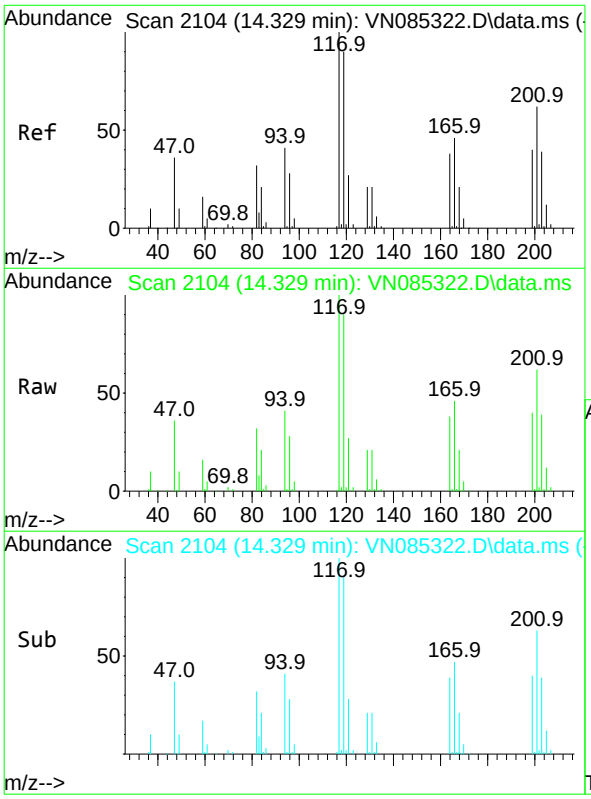
Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	24.2	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

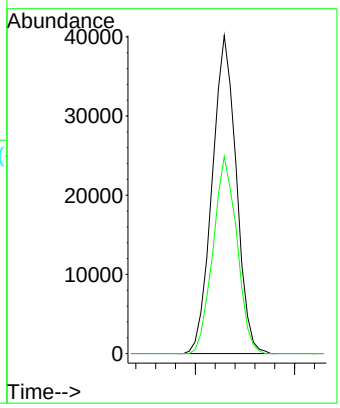
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

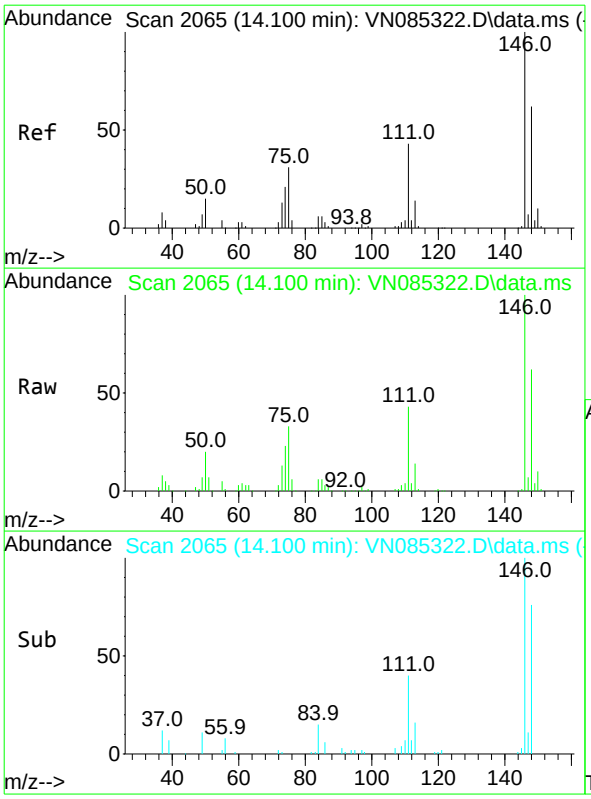


#90
Hexachloroethane
Concen: 51.976 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:117 Resp: 67607

Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.7	92.1

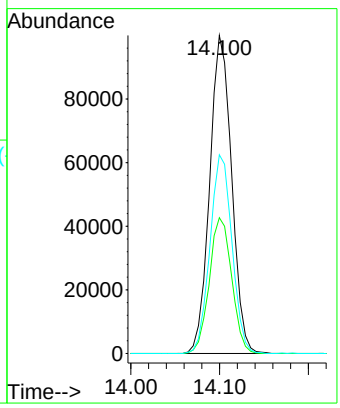




#91
1,2-Dichlorobenzene
Concen: 49.173 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:146 Resp: 171657

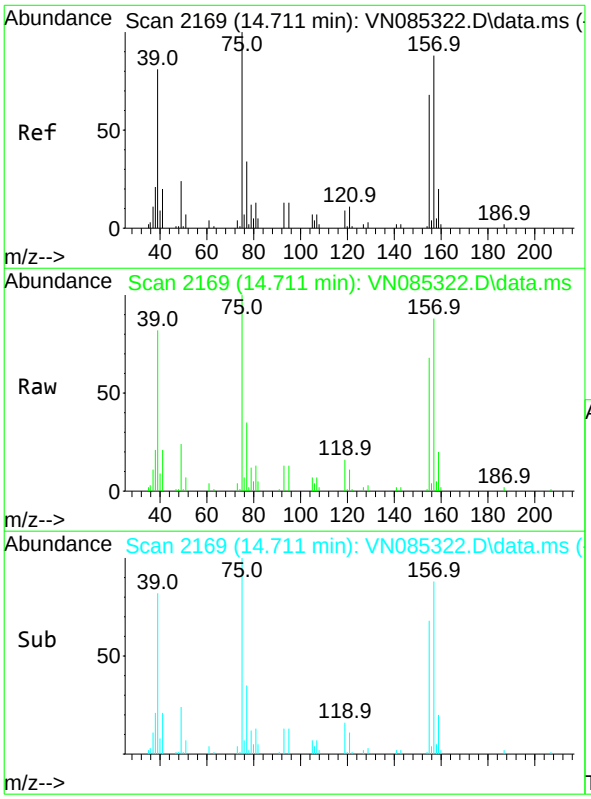
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	62.8	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

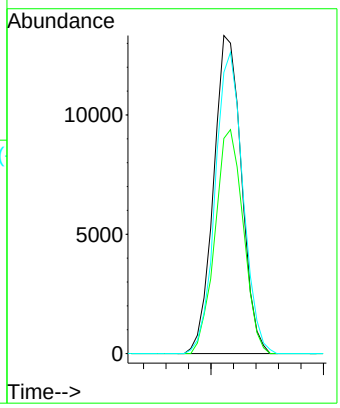
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

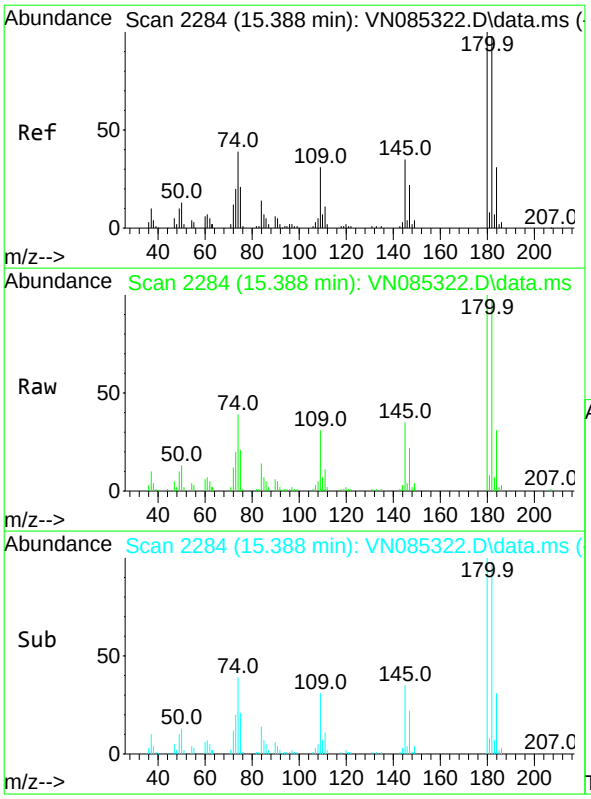


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.627 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 22952

Ion	Ratio	Lower	Upper
75	100		
155	71.3	35.6	106.9
157	94.0	47.0	141.0

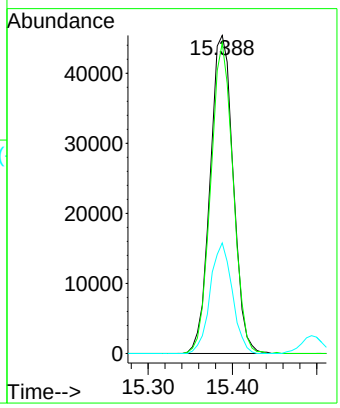




#93
1,2,4-Trichlorobenzene
Concen: 49.570 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:180 Resp: 86363

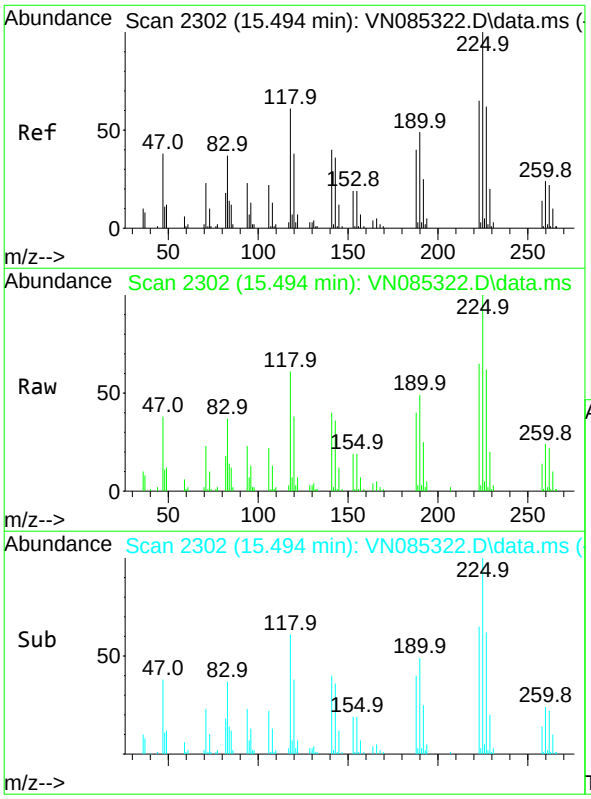
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	33.2	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

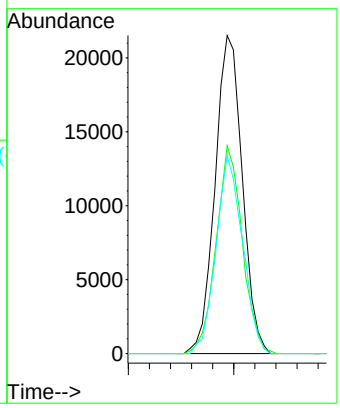
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

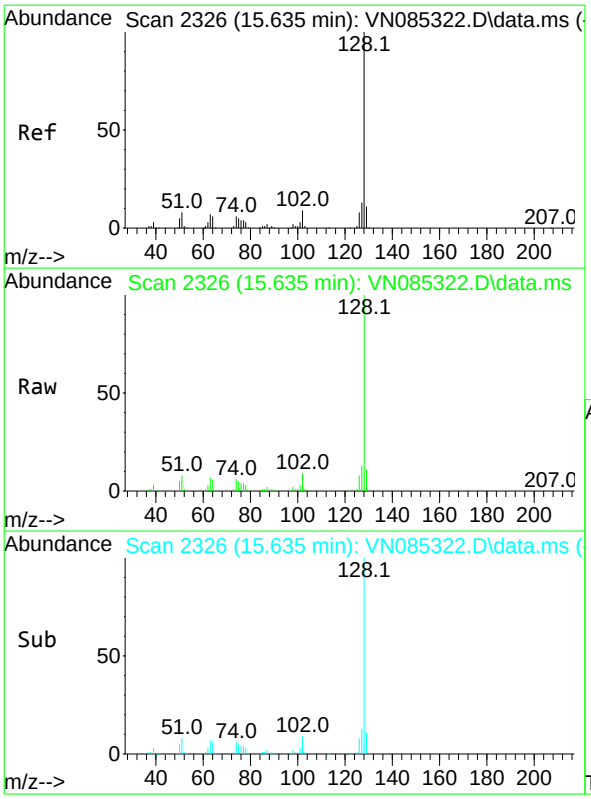


#94
Hexachlorobutadiene
Concen: 44.509 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:225 Resp: 38529

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	60.7	30.3	91.0

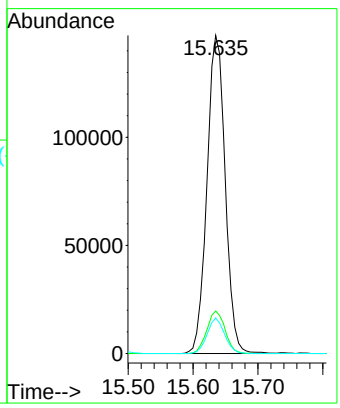




#95
Naphthalene
Concen: 48.560 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:128 Resp: 286887

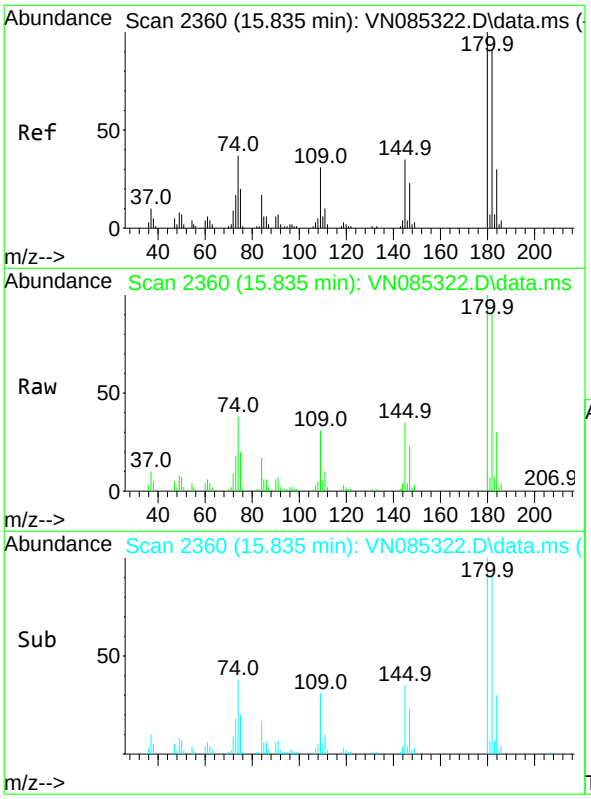
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.6	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

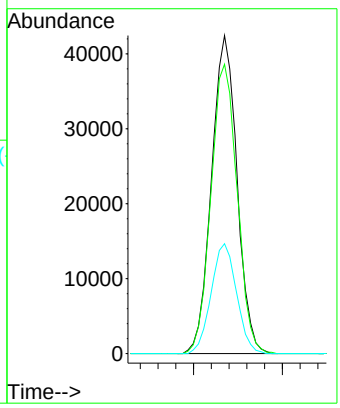
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 48.618 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:180 Resp: 84633

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	34.4	17.2	51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	224166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	40091	19.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.360%#		
35) Dibromofluoromethane	8.159	113	30693	18.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.620%#		
50) Toluene-d8	10.565	98	111985	18.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.400%#		
62) 4-Bromofluorobenzene	12.847	95	37918	19.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	38592	19.473	ug/l	98
3) Chloromethane	2.359	50	43217	19.403	ug/l	97
4) Vinyl Chloride	2.512	62	48485	20.583	ug/l	93
5) Bromomethane	2.953	94	31343	20.345	ug/l	99
6) Chloroethane	3.112	64	30158	20.188	ug/l	97
7) Trichlorofluoromethane	3.500	101	63811	20.607	ug/l	96
8) Diethyl Ether	3.959	74	21865	21.325	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35482	20.140	ug/l	97
10) Methyl Iodide	4.589	142	42319	20.755	ug/l	91
11) Tert butyl alcohol	5.512	59	27123	103.637	ug/l	100
12) 1,1-Dichloroethene	4.342	96	34208	21.007	ug/l	96
13) Acrolein	4.177	56	40956	100.376	ug/l	98
14) Allyl chloride	5.018	41	53265	20.438	ug/l	100
15) Acrylonitrile	5.718	53	87221	105.889	ug/l	98
16) Acetone	4.424	43	73157	106.449	ug/l	97
17) Carbon Disulfide	4.712	76	101412	20.471	ug/l	98
18) Methyl Acetate	5.024	43	43744	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	113371	21.420	ug/l	97
20) Methylene Chloride	5.277	84	38285	20.711	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	36209	21.286	ug/l	91
22) Diisopropyl ether	6.665	45	120874	21.523	ug/l	99
23) Vinyl Acetate	6.600	43	461817m	114.387	ug/l	
24) 1,1-Dichloroethane	6.565	63	70880	20.952	ug/l	97
25) 2-Butanone	7.477	43	114225	107.133	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63819	21.532	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	42857	21.466	ug/l	97
28) Bromochloromethane	7.806	49	31632	20.120	ug/l #	99
29) Tetrahydrofuran	7.835	42	74837	108.966	ug/l	99
30) Chloroform	7.965	83	72892	21.061	ug/l	95
31) Cyclohexane	8.253	56	61911	20.041	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64420	20.841	ug/l	92
36) 1,1-Dichloropropene	8.365	75	49840	20.861	ug/l	98
37) Ethyl Acetate	7.553	43	49720	20.937	ug/l	99
38) Carbon Tetrachloride	8.359	117	55847	21.445	ug/l	94
39) Methylcyclohexane	9.600	83	53626	21.633	ug/l	100
40) Benzene	8.606	78	154946	21.450	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	25636	21.079	ug/l		98
42) 1,2-Dichloroethane	8.665	62	57096	22.046	ug/l		98
43) Isopropyl Acetate	8.682	43	82570	21.117	ug/l		99
44) Trichloroethene	9.347	130	36092	21.104	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39400	21.486	ug/l		93
46) Dibromomethane	9.706	93	26782	21.000	ug/l		98
47) Bromodichloromethane	9.882	83	55383	20.894	ug/l		93
48) Methyl methacrylate	9.677	41	36893	21.744	ug/l		98
49) 1,4-Dioxane	9.694	88	11804	461.104	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	241756	110.019	ug/l		100
52) Toluene	10.624	92	93343	21.702	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	55084	21.132	ug/l		94
54) cis-1,3-Dichloropropene	10.306	75	61217	21.718	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	33459	20.604	ug/l		96
56) Ethyl methacrylate	10.871	69	53114	22.458	ug/l		98
57) 1,3-Dichloropropane	11.159	76	61684	21.643	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	118474	103.539	ug/l		100
59) 2-Hexanone	11.194	43	170875	112.081	ug/l		100
60) Dibromochloromethane	11.359	129	39538	21.617	ug/l		98
61) 1,2-Dibromoethane	11.465	107	35034	21.807	ug/l		98
64) Tetrachloroethene	11.100	164	30849	21.718	ug/l		96
65) Chlorobenzene	11.888	112	101427	20.938	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35030	21.546	ug/l		97
67) Ethyl Benzene	11.959	91	174337	21.640	ug/l		100
68) m/p-Xylenes	12.065	106	132648	44.993	ug/l		100
69) o-Xylene	12.394	106	63003	22.091	ug/l		95
70) Styrene	12.406	104	105054	22.728	ug/l		99
71) Bromoform	12.570	173	24644	21.885	ug/l	#	98
73) Isopropylbenzene	12.694	105	160752	22.153	ug/l		98
74) N-amyl acetate	12.488	43	69938	22.517	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	48294	20.897	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	38100m	19.654	ug/l		
77) Bromobenzene	12.976	156	37077	20.623	ug/l		98
78) n-propylbenzene	13.029	91	188143	22.243	ug/l		99
79) 2-Chlorotoluene	13.123	91	117169	22.010	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132546	22.582	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16798	21.448	ug/l		99
82) 4-Chlorotoluene	13.217	91	117825	21.976	ug/l		97
83) tert-Butylbenzene	13.435	119	111983	22.025	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	135046	23.107	ug/l		99
85) sec-Butylbenzene	13.612	105	155451	22.026	ug/l		98
86) p-Isopropyltoluene	13.723	119	130425	21.487	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	69890	21.444	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	70759	21.136	ug/l		99
89) n-Butylbenzene	14.053	91	113729	22.006	ug/l		99
90) Hexachloroethane	14.329	117	24441	21.128	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	67480	21.735	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	9030	21.954	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	33300	21.491	ug/l		99
94) Hexachlorobutadiene	15.500	225	16152	20.980	ug/l		97
95) Naphthalene	15.635	128	111233	21.170	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	32729	21.140	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

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\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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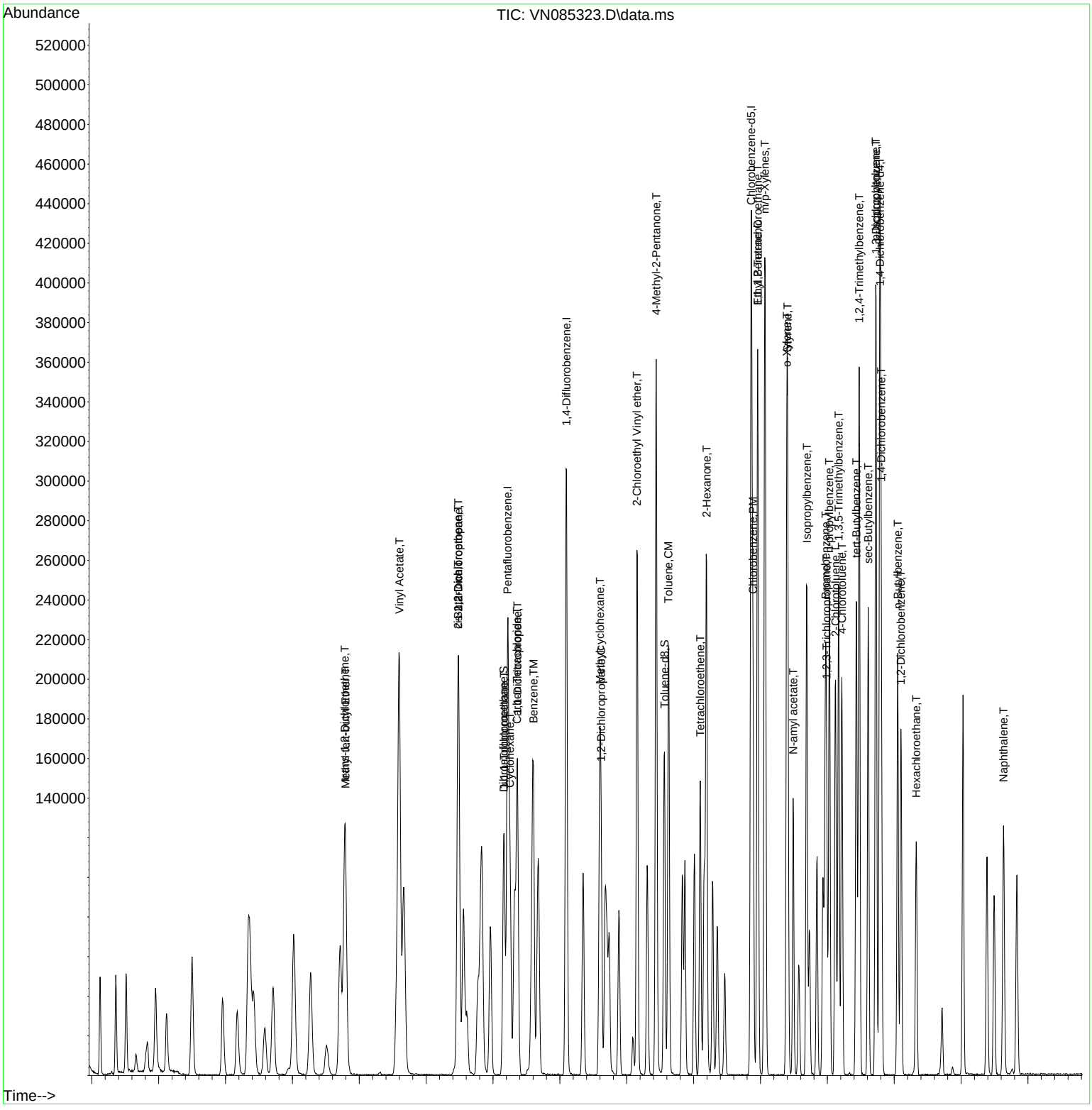
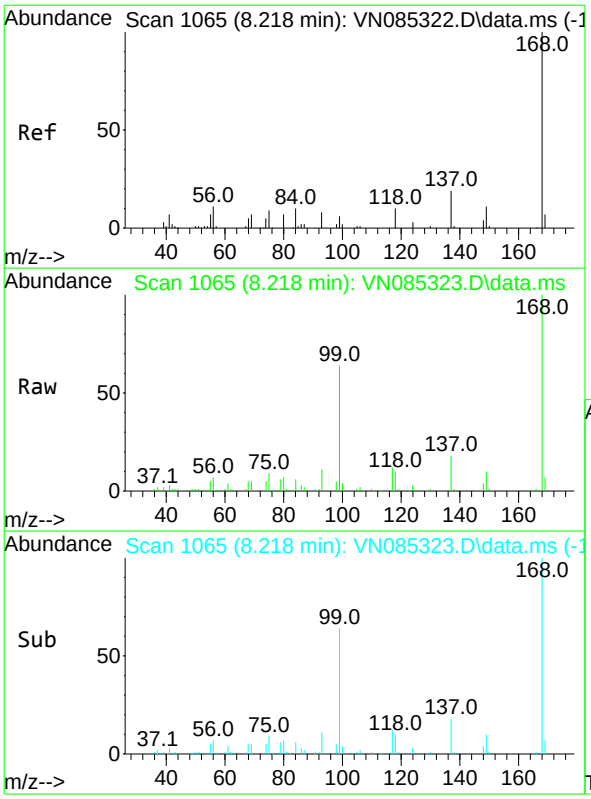
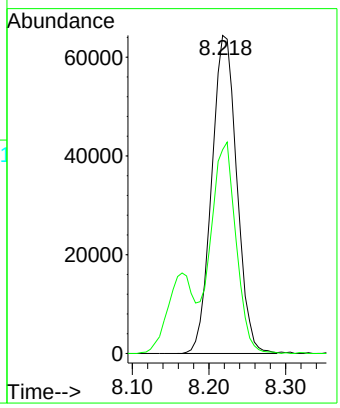




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:168 Resp: 146535

Ion	Ratio	Lower	Upper
168	100		
99	63.8	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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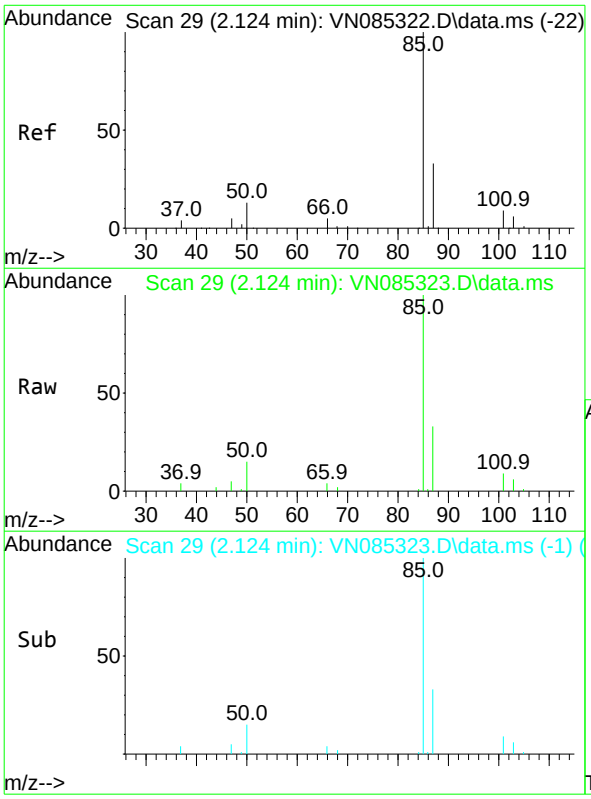
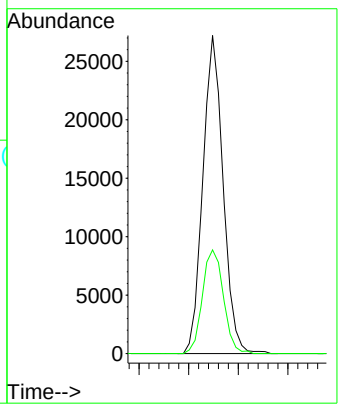
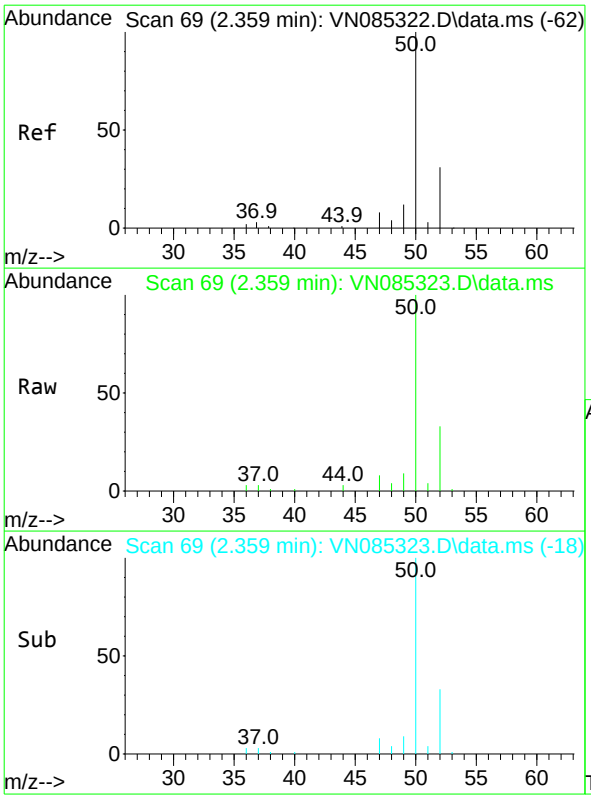


#2
Dichlorodifluoromethane
Concen: 19.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 85 Resp: 38592

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.8	50.3

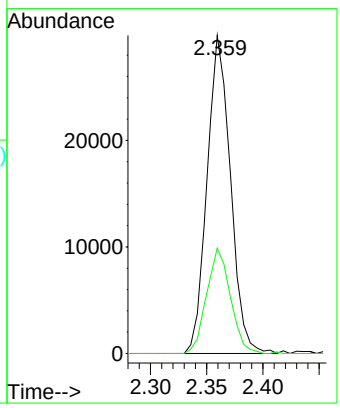




#3
Chloromethane
Concen: 19.403 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 50 Resp: 43217

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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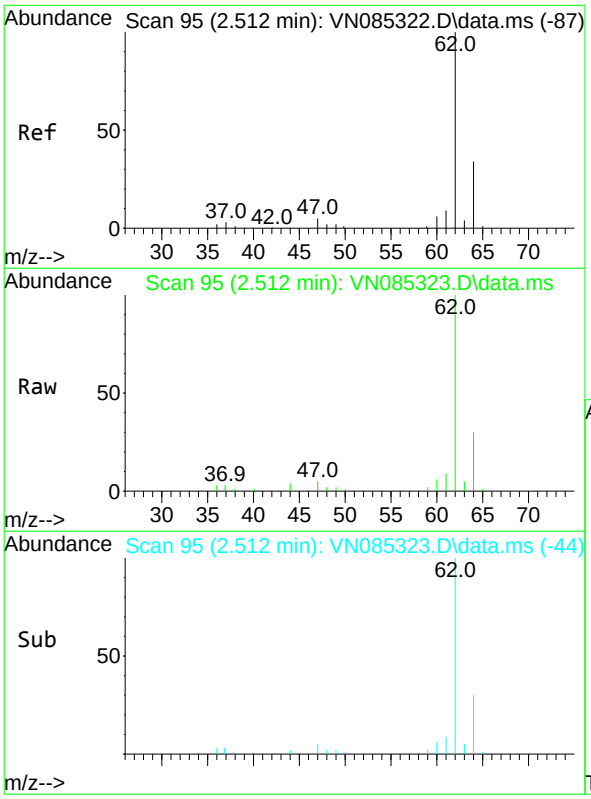
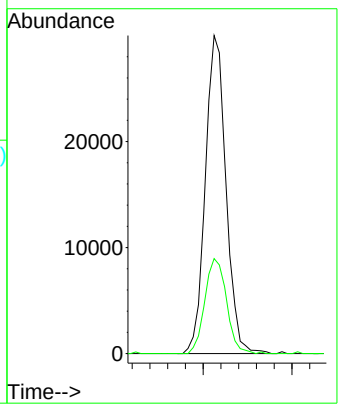
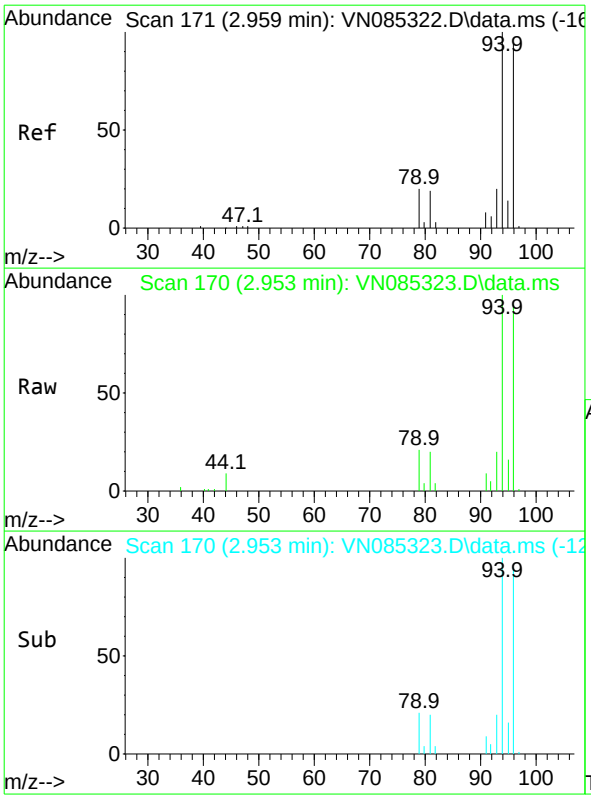


#4
Vinyl Chloride
Concen: 20.583 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 62 Resp: 48485

Ion	Ratio	Lower	Upper
62	100		
64	29.9	27.0	40.6

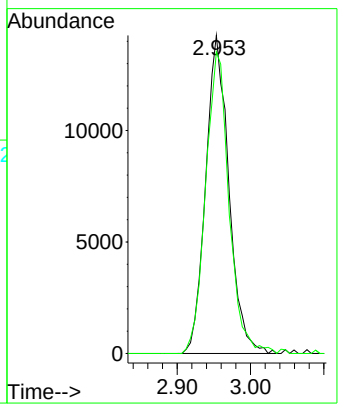




#5
Bromomethane
Concen: 20.345 ug/l
RT: 2.953 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 94 Resp: 31343

Ion	Ratio	Lower	Upper
94	100		
96	94.9	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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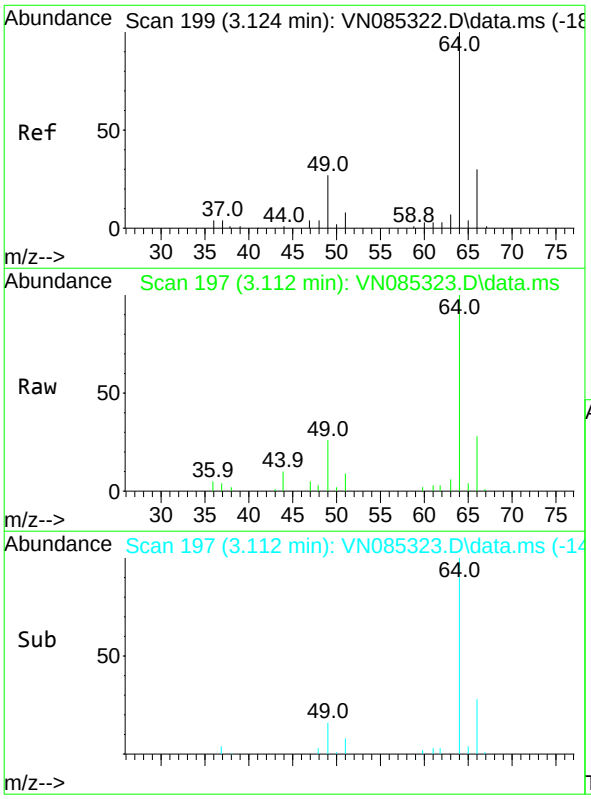
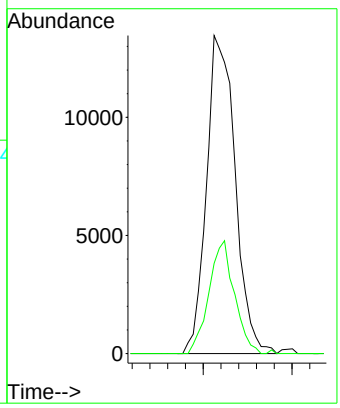
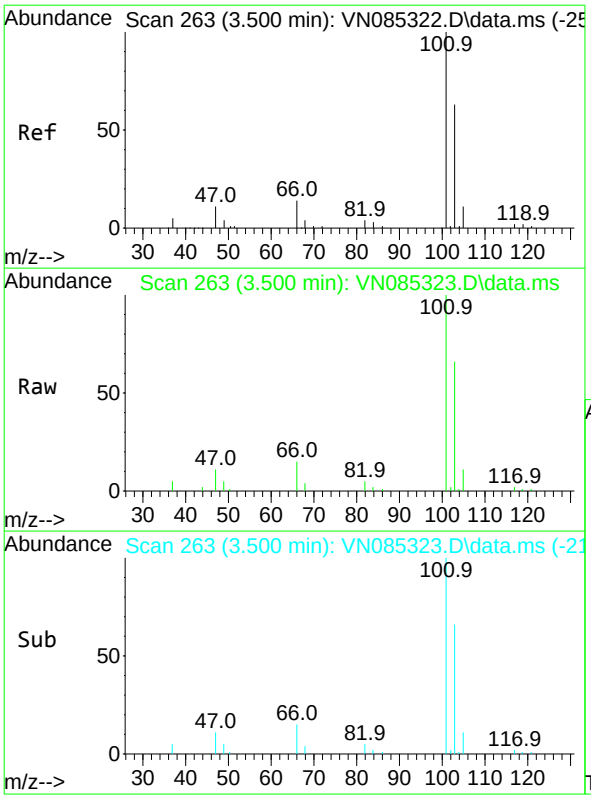


#6
Chloroethane
Concen: 20.188 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 64 Resp: 30158

Ion	Ratio	Lower	Upper
64	100		
66	28.4	24.1	36.1

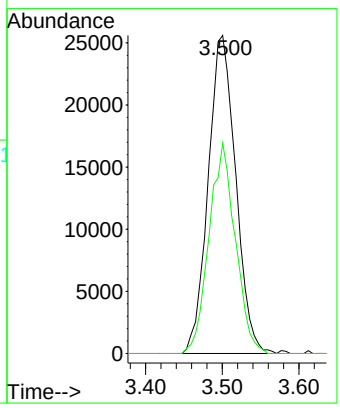




#7
Trichlorofluoromethane
Concen: 20.607 ug/l
RT: 3.500 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:101 Resp: 63811

Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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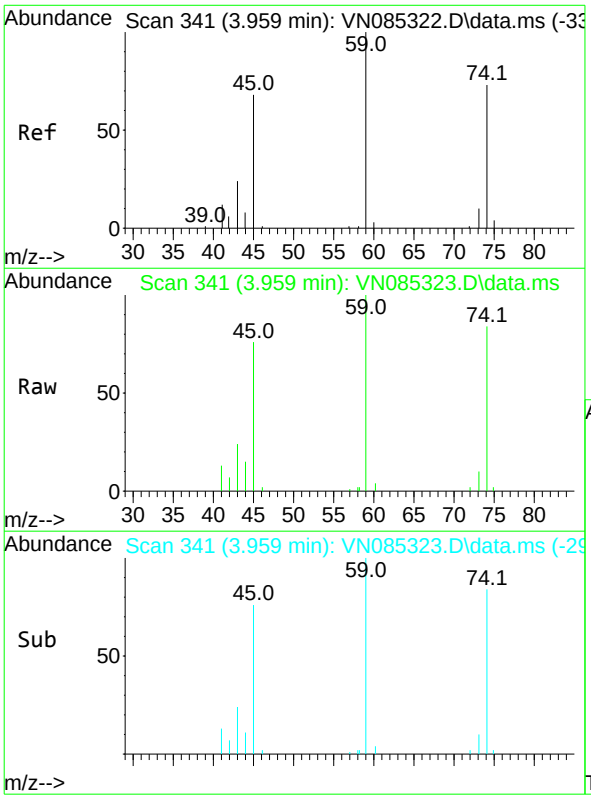
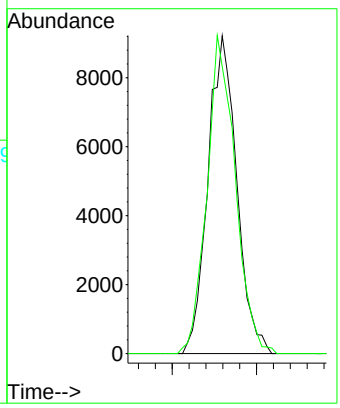
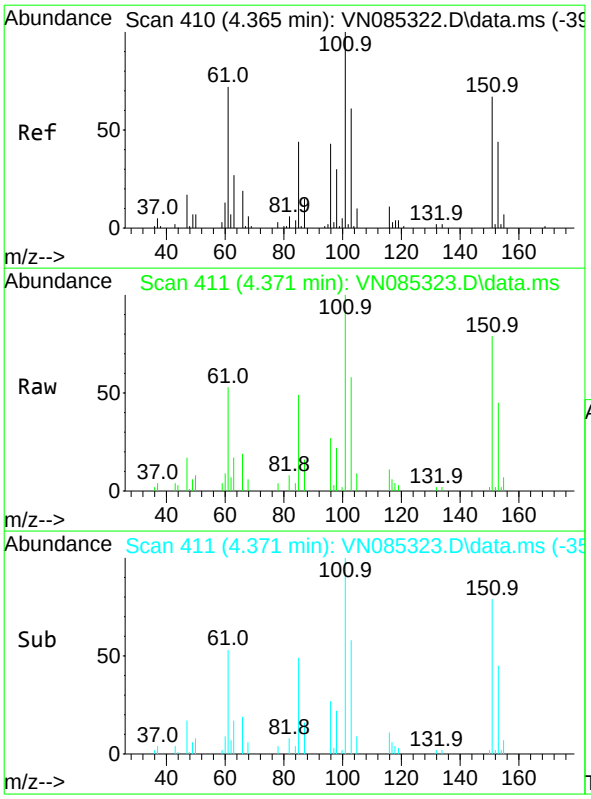


#8
Diethyl Ether
Concen: 21.325 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 74 Resp: 21865

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.6

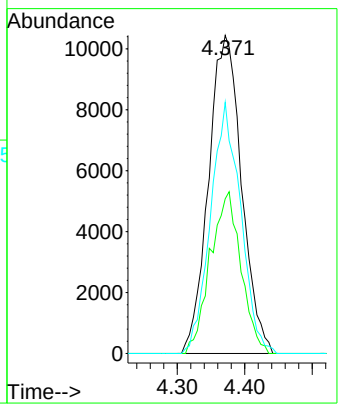




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.140 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:101 Resp: 35482

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	72.0	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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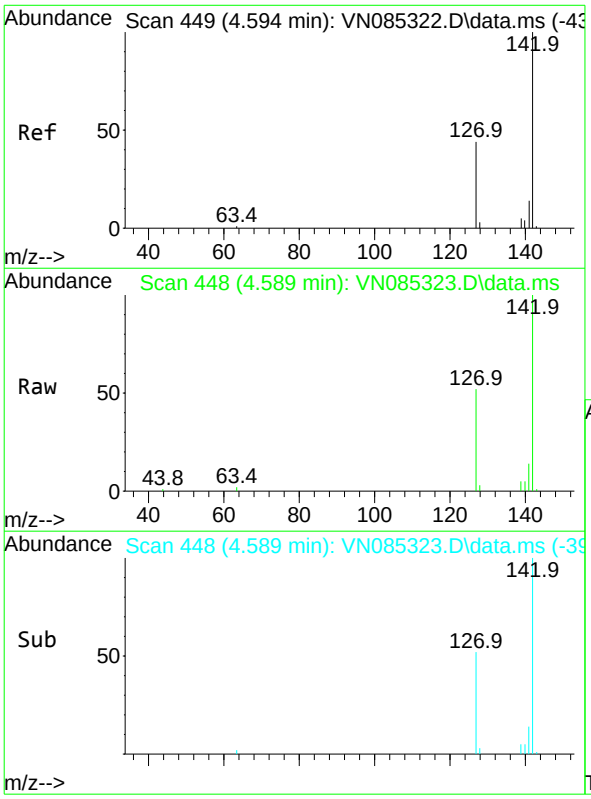
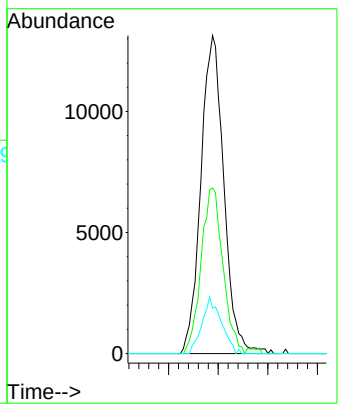
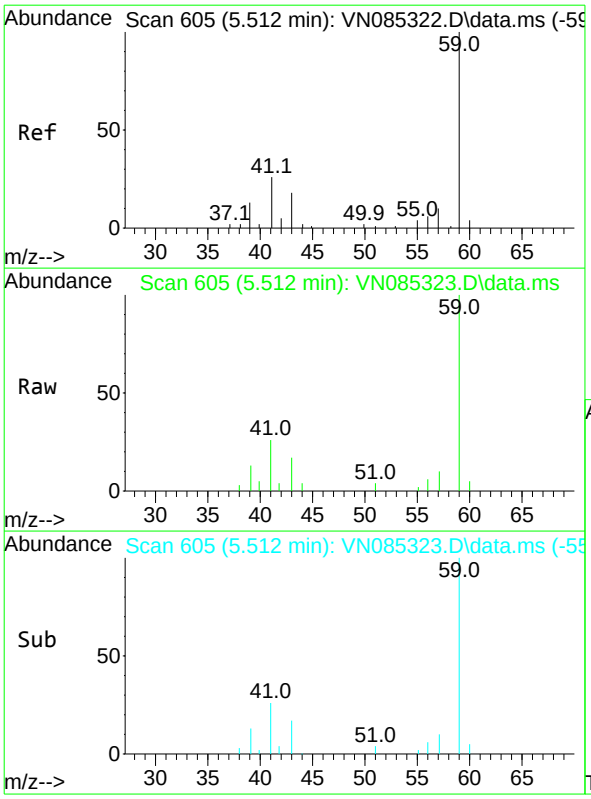


#10
Methyl Iodide
Concen: 20.755 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:142 Resp: 42319

Ion	Ratio	Lower	Upper
142	100		
127	52.1	35.3	52.9
141	14.2	11.5	17.3

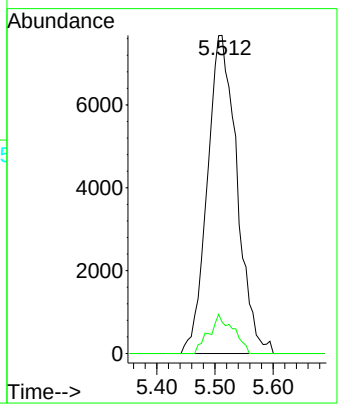




#11
Tert butyl alcohol
Concen: 103.637 ug/l
RT: 5.512 min Scan# 60
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 59 Resp: 27123

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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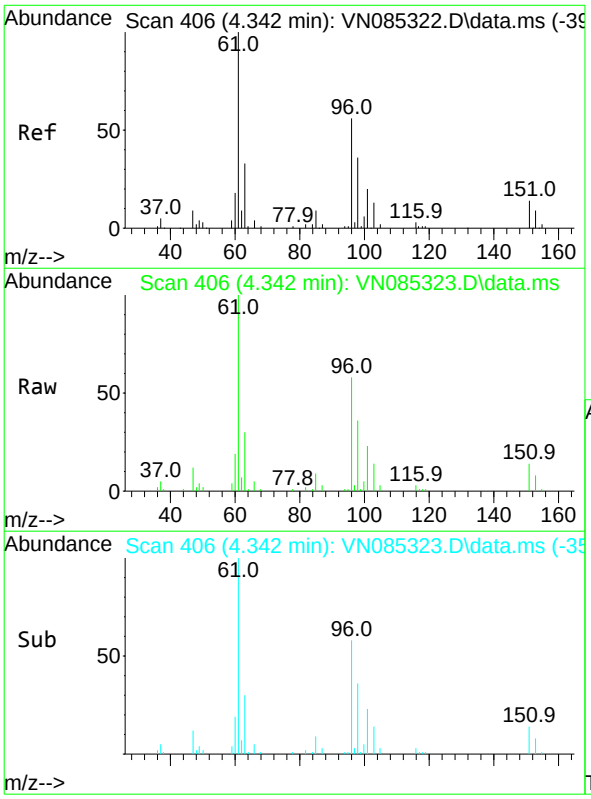
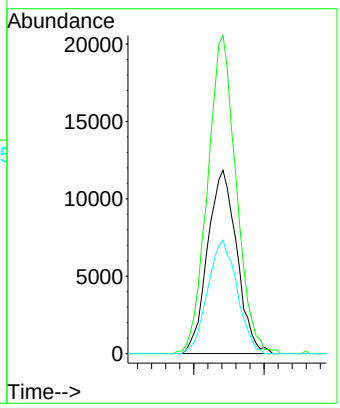
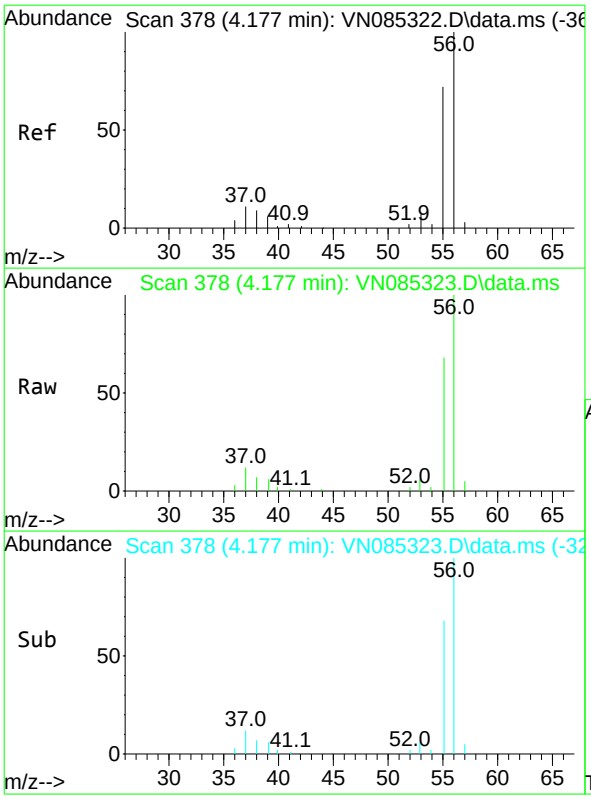


#12
1,1-Dichloroethene
Concen: 21.007 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 96 Resp: 34208

Ion	Ratio	Lower	Upper
96	100		
61	172.3	142.4	213.6
98	61.9	51.5	77.3

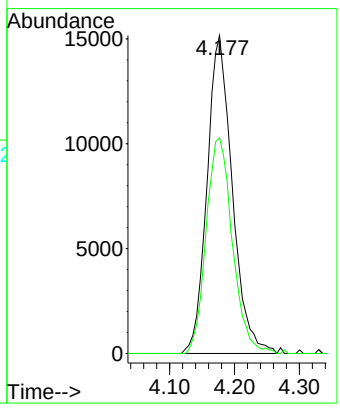




#13
Acrolein
Concen: 100.376 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 56 Resp: 40956

Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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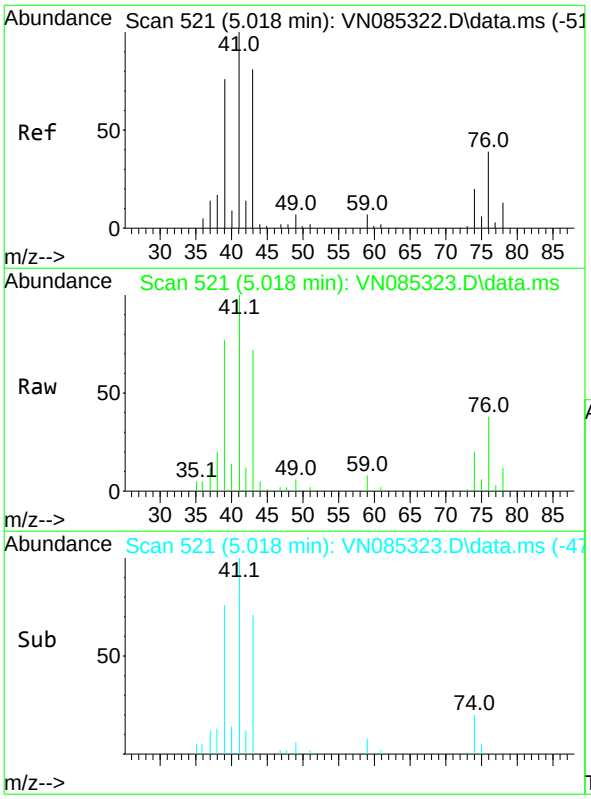
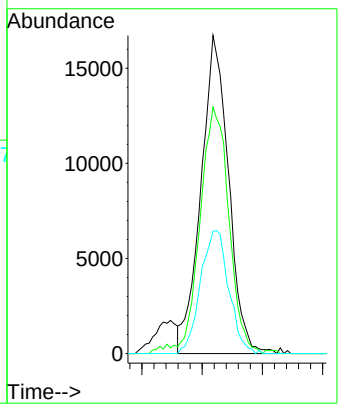
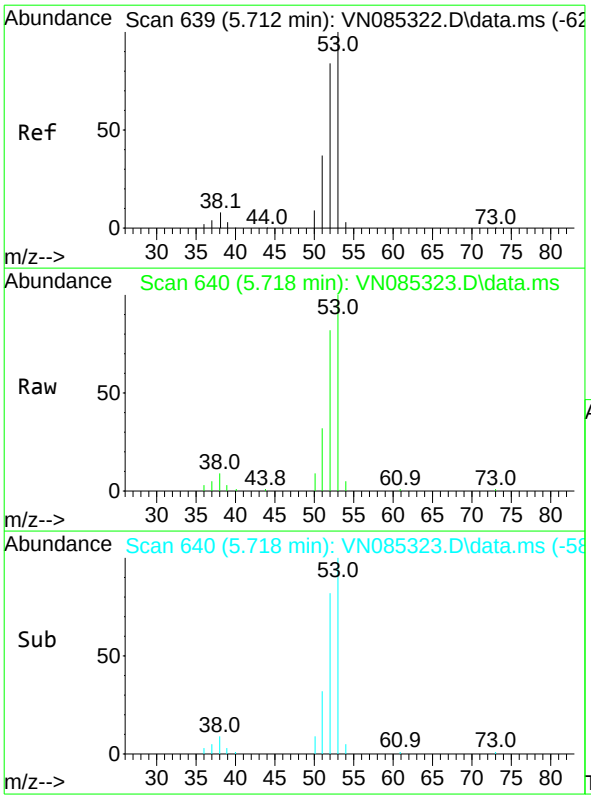


#14
Allyl chloride
Concen: 20.438 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 41 Resp: 53265

Ion	Ratio	Lower	Upper
41	100		
39	80.0	64.4	96.6
76	39.6	31.5	47.3

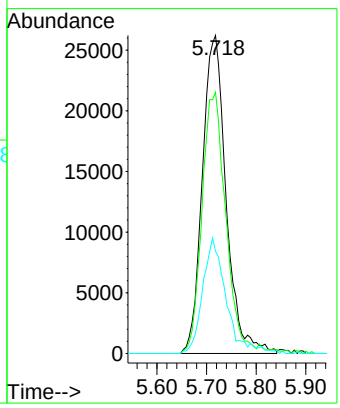




#15
Acrylonitrile
Concen: 105.889 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 53 Resp: 87221

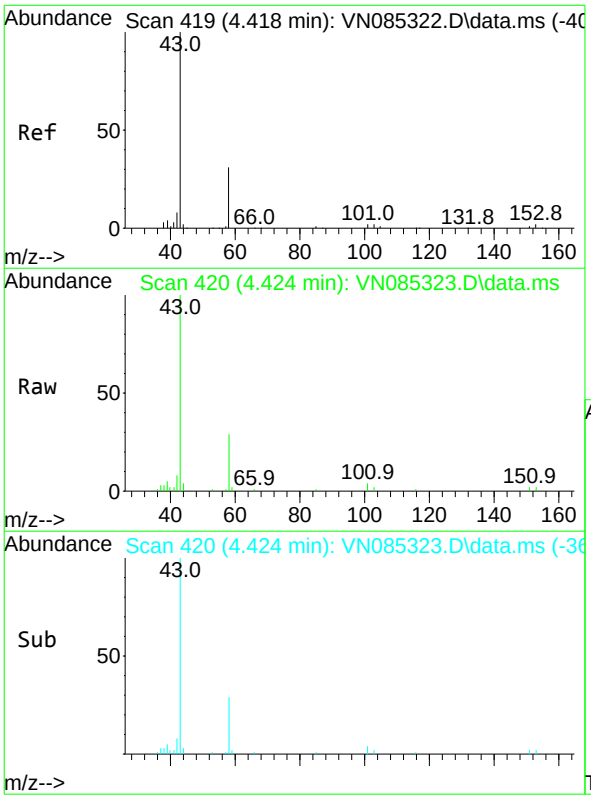
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	35.9	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

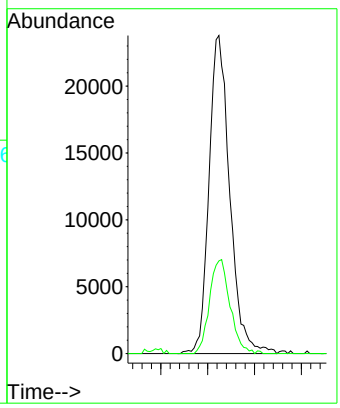
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

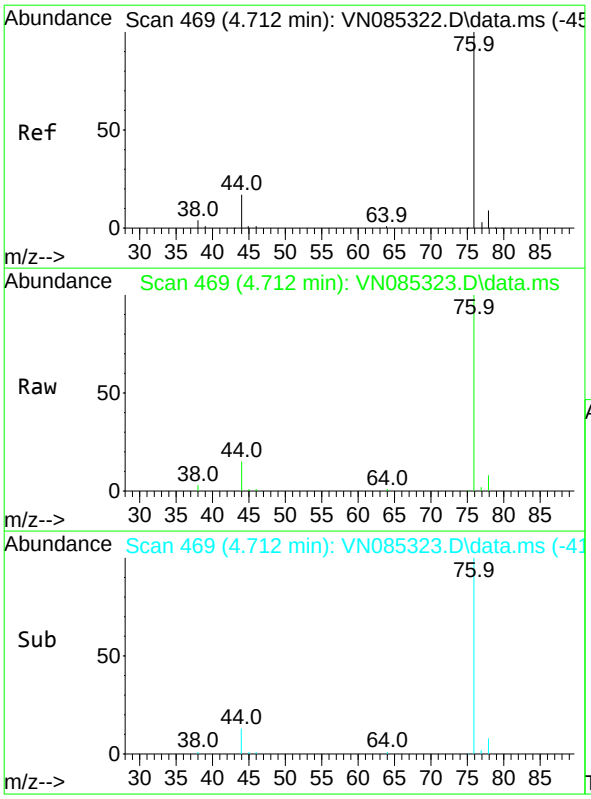


#16
Acetone
Concen: 106.449 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 73157

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.5	36.7

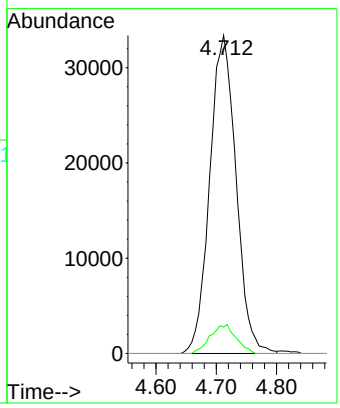




#17
Carbon Disulfide
Concen: 20.471 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 76 Resp: 101412

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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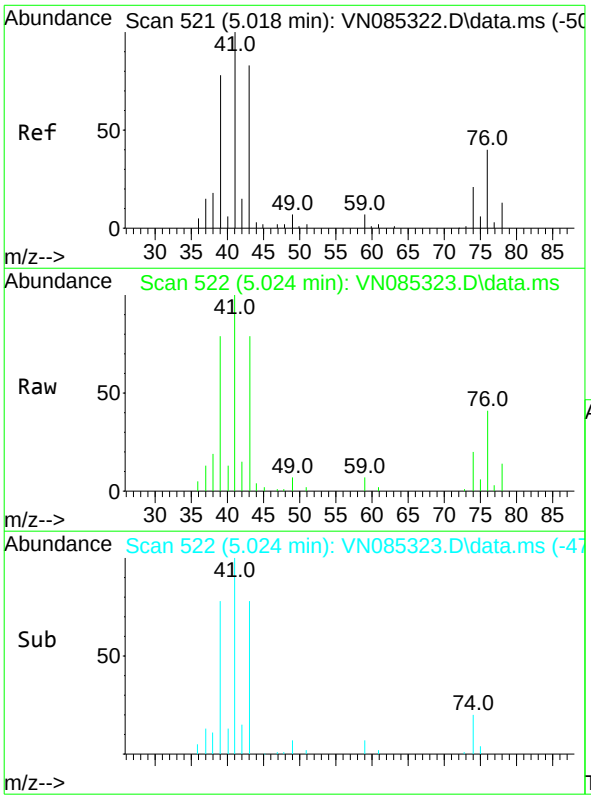
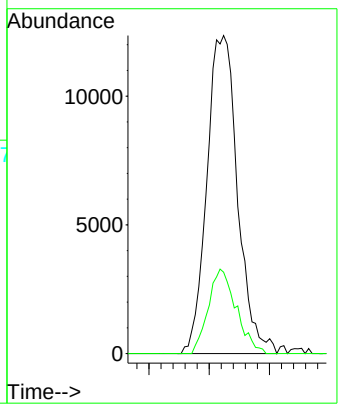
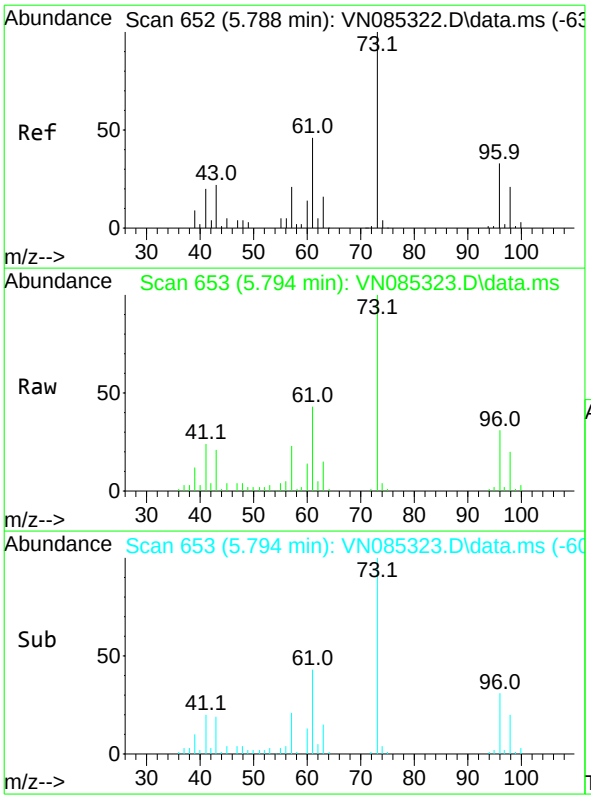


#18
Methyl Acetate
Concen: 20.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 43744

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.0	28.6

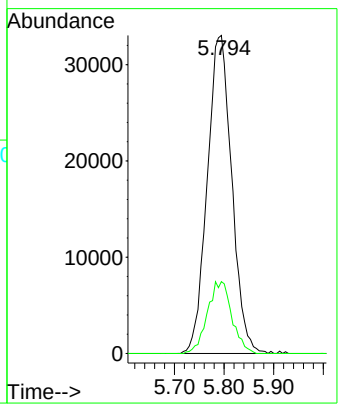




#19
Methyl tert-butyl Ether
Concen: 21.420 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 73 Resp: 113371

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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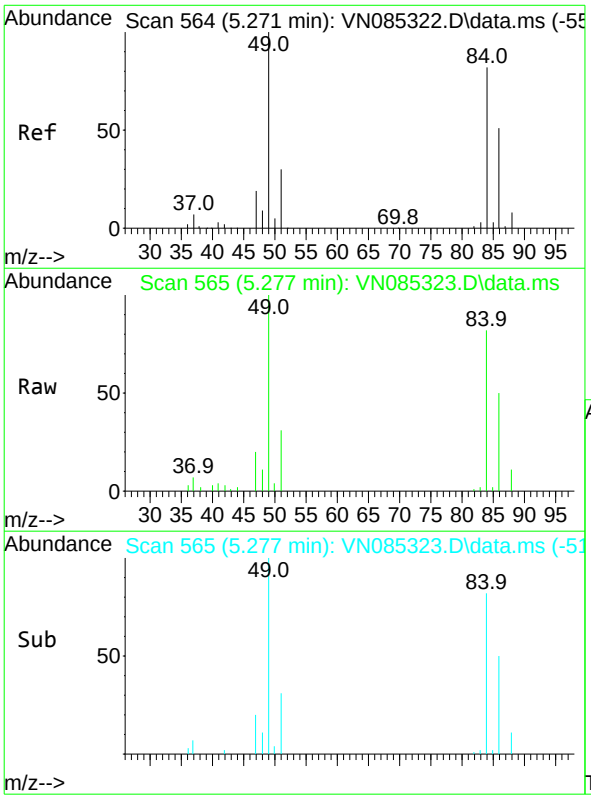
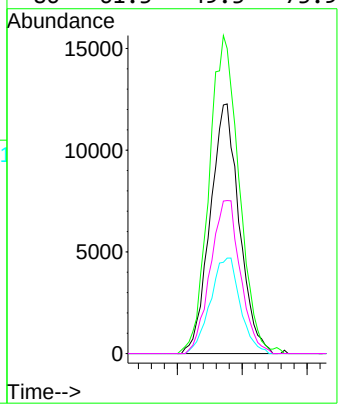
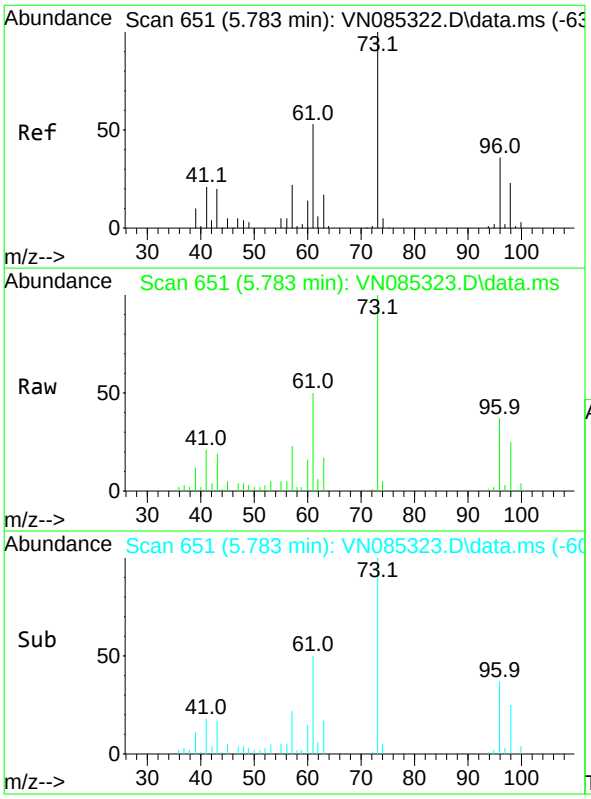


#20
Methylene Chloride
Concen: 20.711 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 84 Resp: 38285

Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.6	146.4
51	38.2	29.1	43.7
86	61.3	49.3	73.9

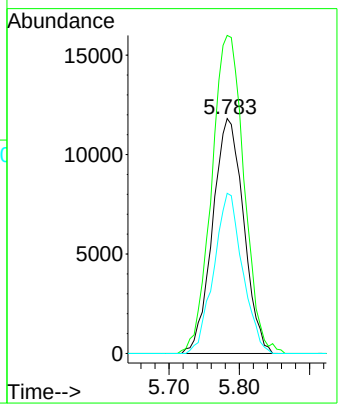




#21
trans-1,2-Dichloroethene
Concen: 21.286 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 96 Resp: 36209

Ion	Ratio	Lower	Upper
96	100		
61	135.4	118.0	177.0
98	68.2	50.6	75.8



Instrument :
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ClientSampleId :
VSTDICC020

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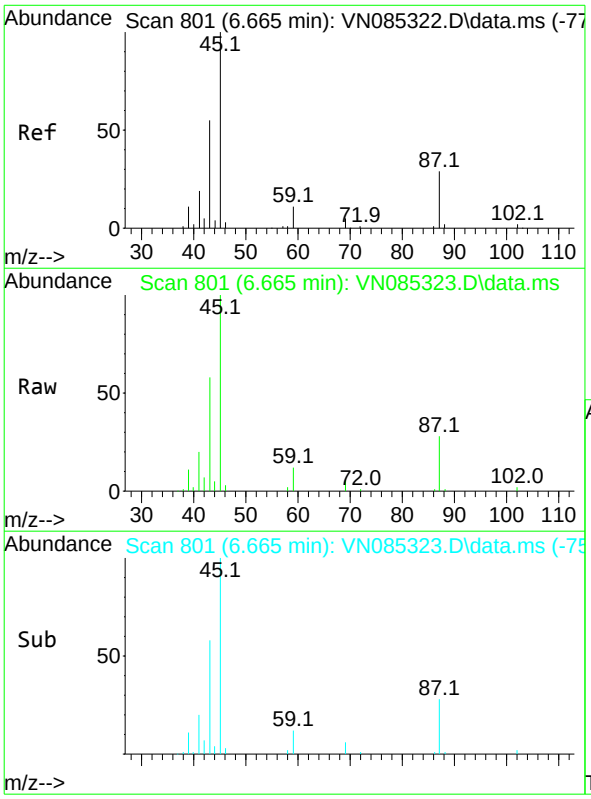
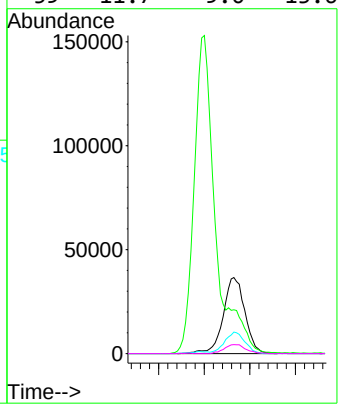
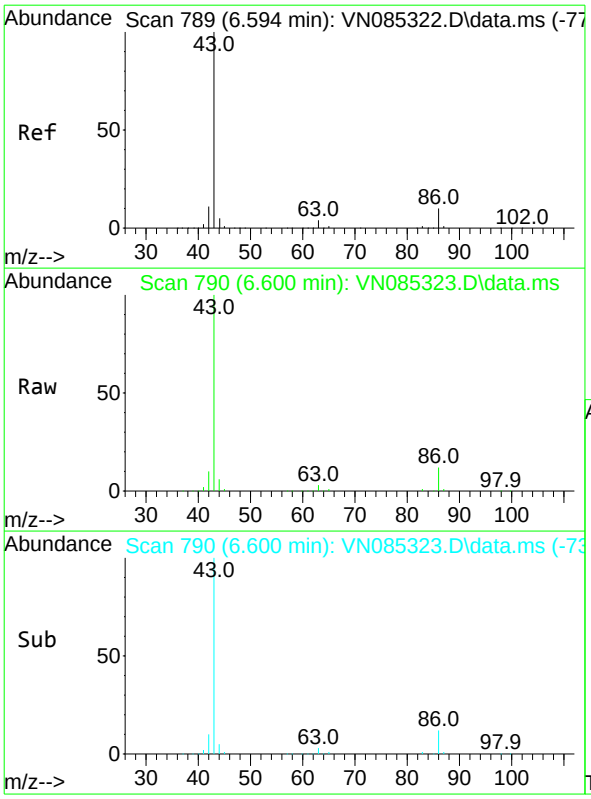


#22
Diisopropyl ether
Concen: 21.523 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 45 Resp: 120874

Ion	Ratio	Lower	Upper
45	100		
43	56.3	44.1	66.1
87	28.3	23.2	34.8
59	11.7	9.0	13.6

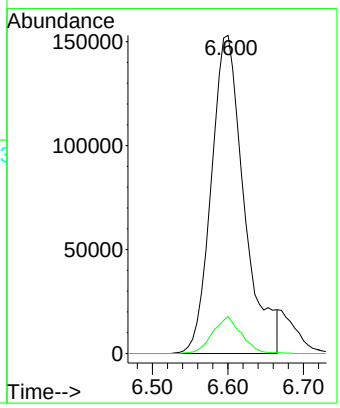




#23
Vinyl Acetate
Concen: 114.387 ug/l m
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 461817

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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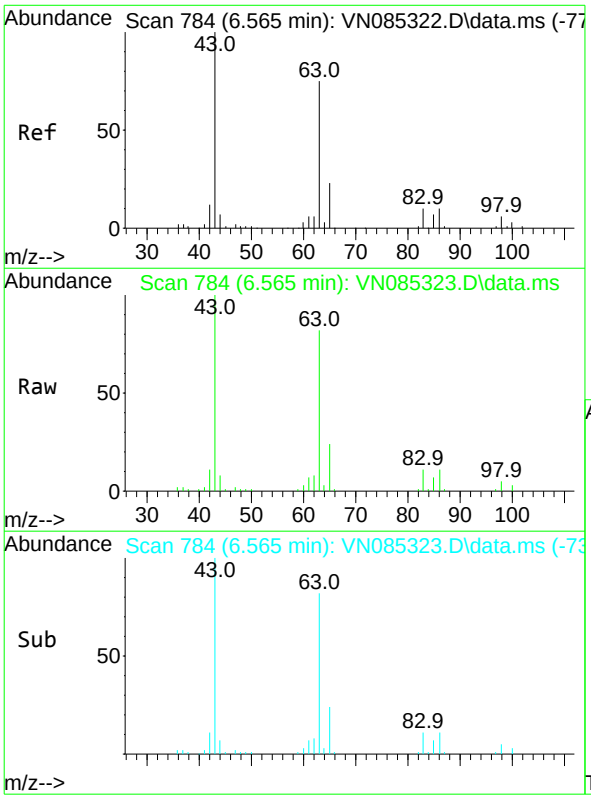
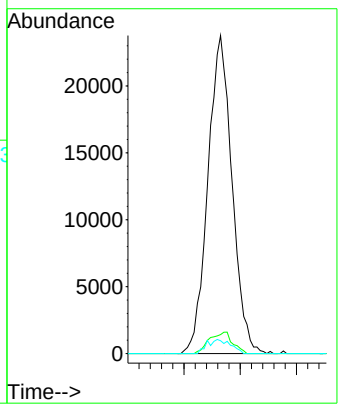
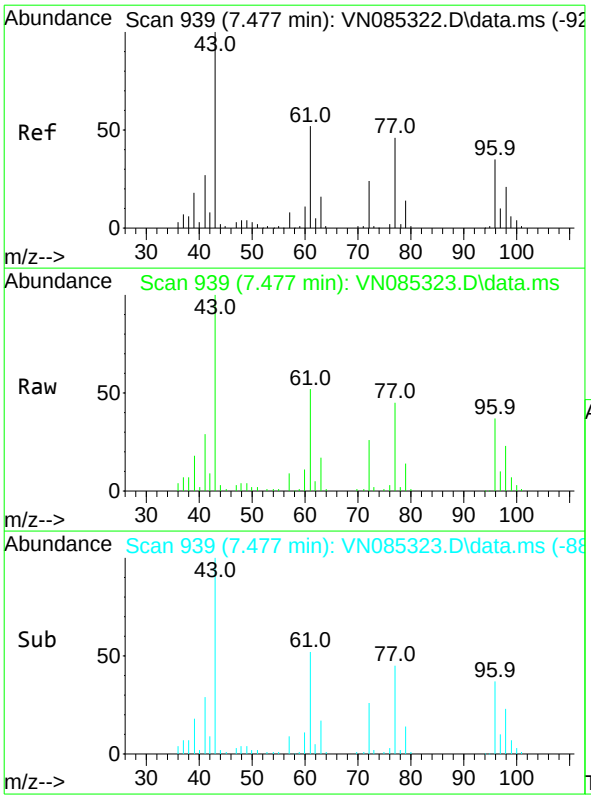


#24
1,1-Dichloroethane
Concen: 20.952 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 63 Resp: 70880

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.7	11.1
100	4.1	2.3	6.8

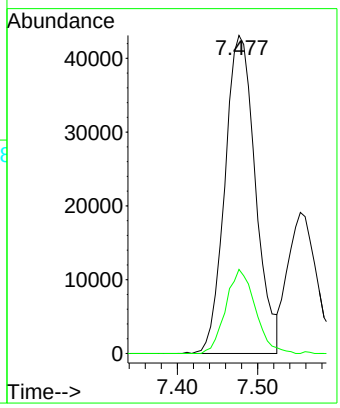




#25
2-Butanone
Concen: 107.133 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 114225

Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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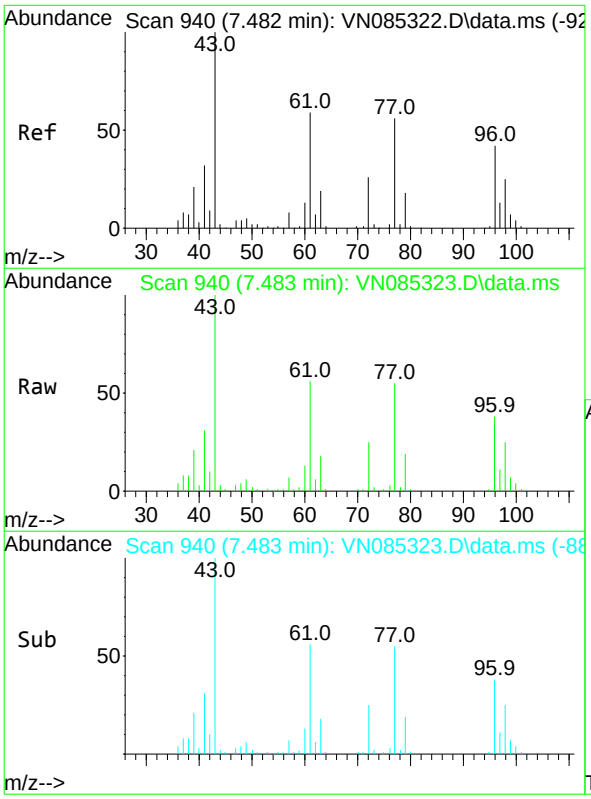
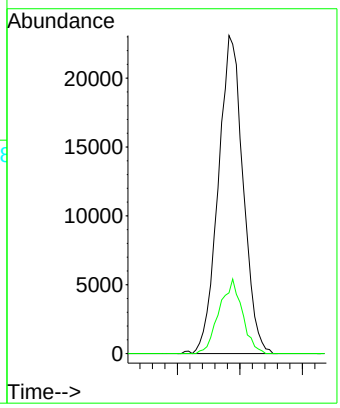
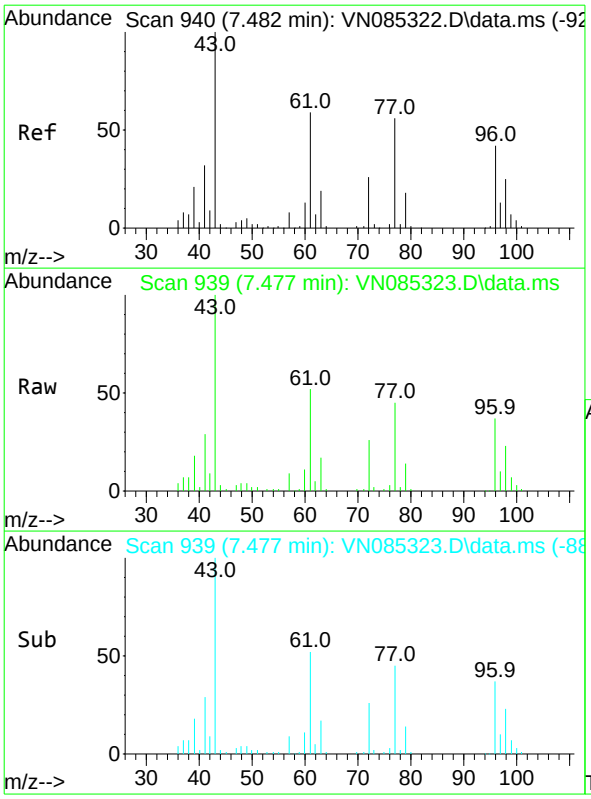


#26
2,2-Dichloropropane
Concen: 21.532 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 77 Resp: 63819

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.6	31.8

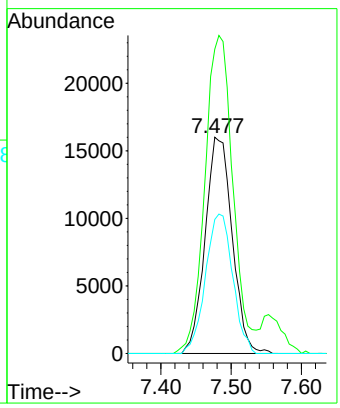




#27
cis-1,2-Dichloroethene
Concen: 21.466 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 96 Resp: 42857

Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	296.4
98	64.8	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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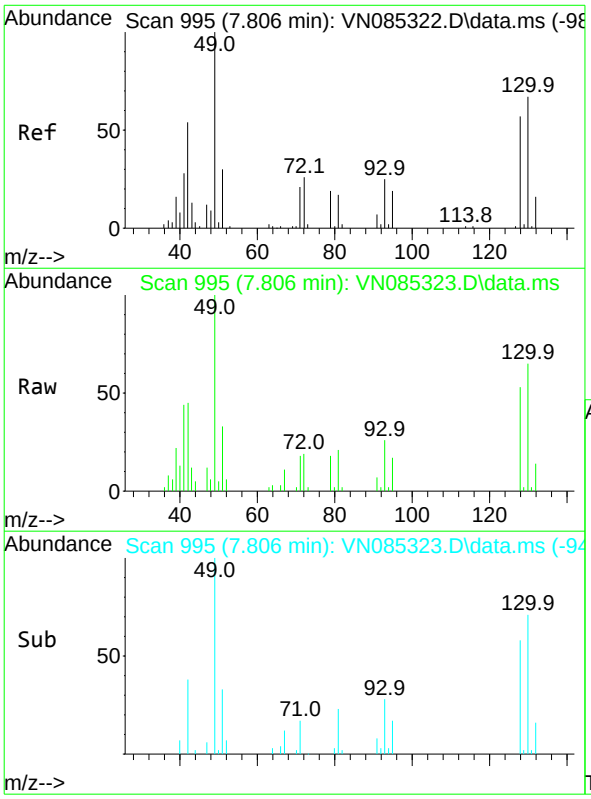
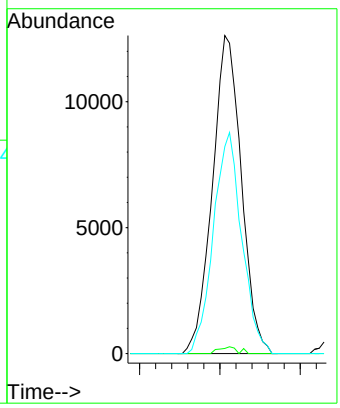
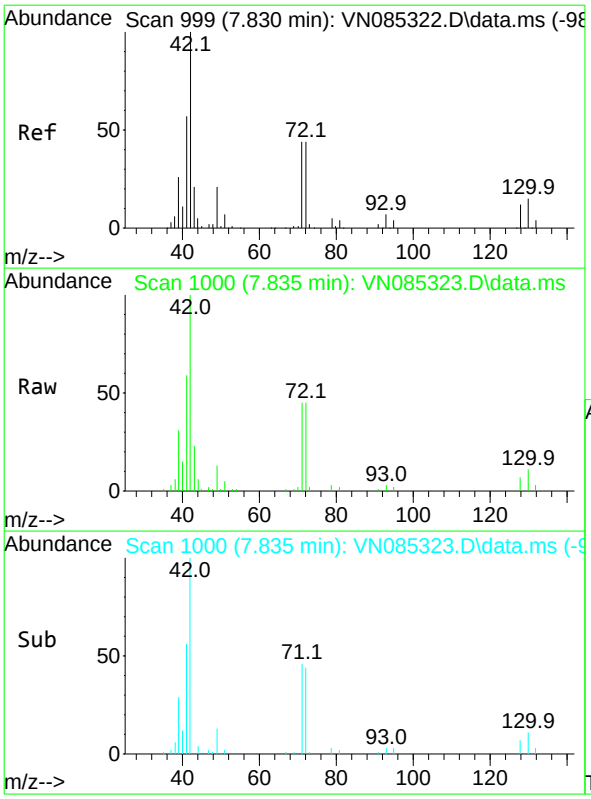


#28
Bromochloromethane
Concen: 20.120 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 49 Resp: 31632

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.0
130	68.1	0.0	0.0#

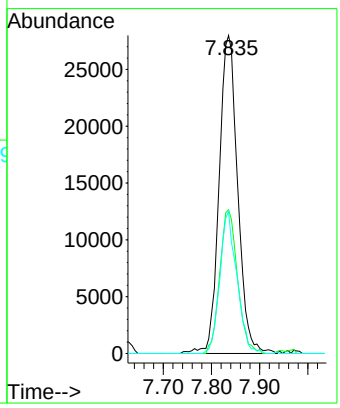




#29
Tetrahydrofuran
Concen: 108.966 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 42 Resp: 74837

Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.1	52.7
71	40.8	33.4	50.0



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ClientSampleId :
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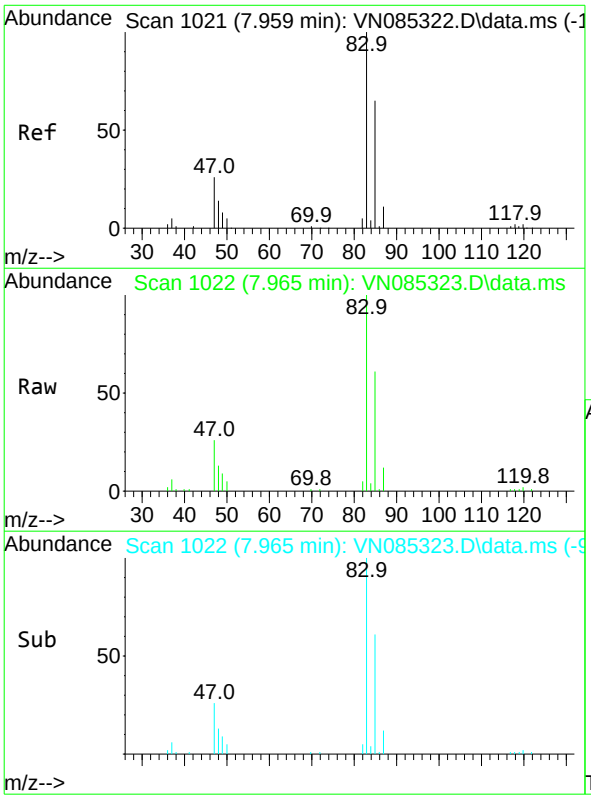
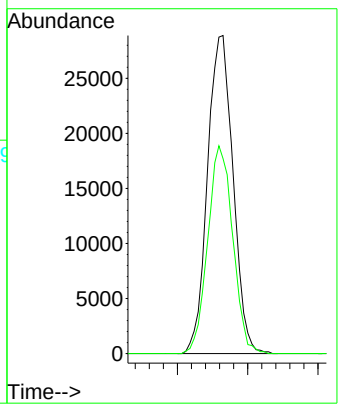
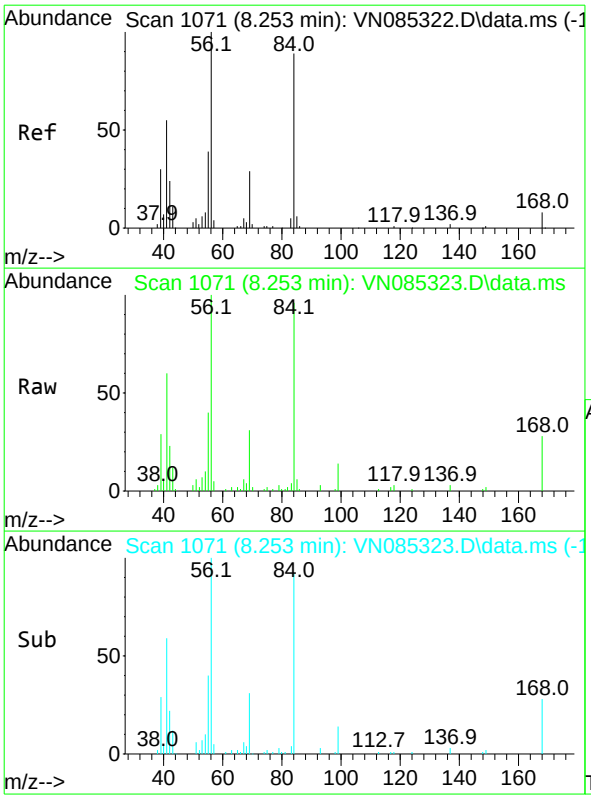


#30
Chloroform
Concen: 21.061 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 83 Resp: 72892

Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.0	78.0

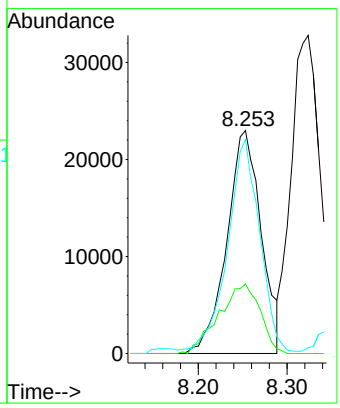




#31
Cyclohexane
Concen: 20.041 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 56 Resp: 61911

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.0
84	94.5	71.0	106.6



Instrument :
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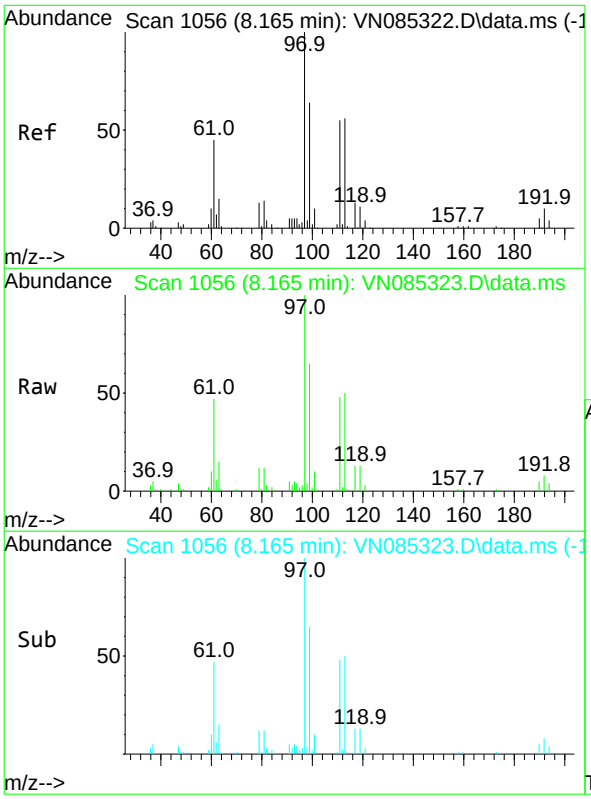
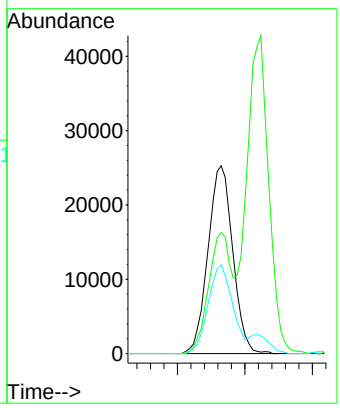
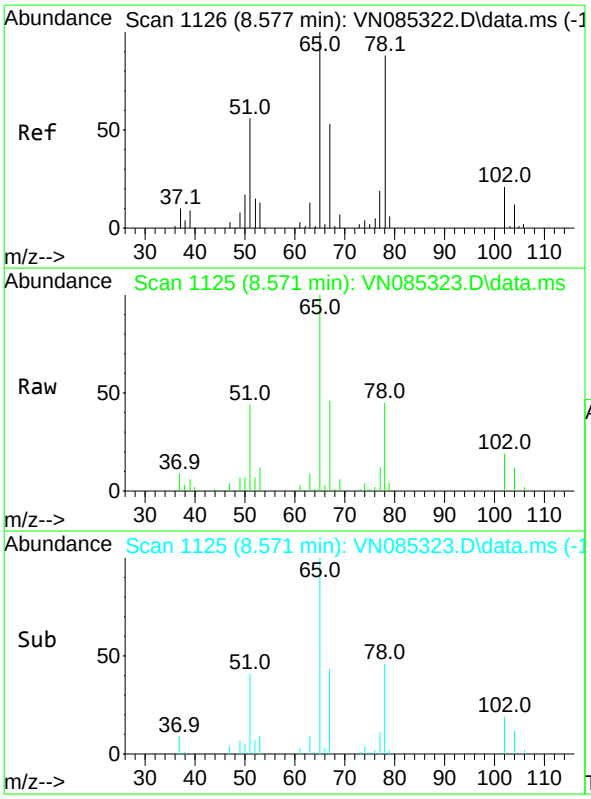


#32
1,1,1-Trichloroethane
Concen: 20.841 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 97 Resp: 64420

Ion	Ratio	Lower	Upper
97	100		
99	58.1	53.3	79.9
61	46.6	39.6	59.4

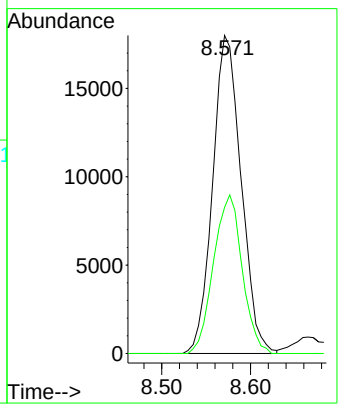




#33
1,2-Dichloroethane-d4
Concen: 19.182 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 65 Resp: 40091

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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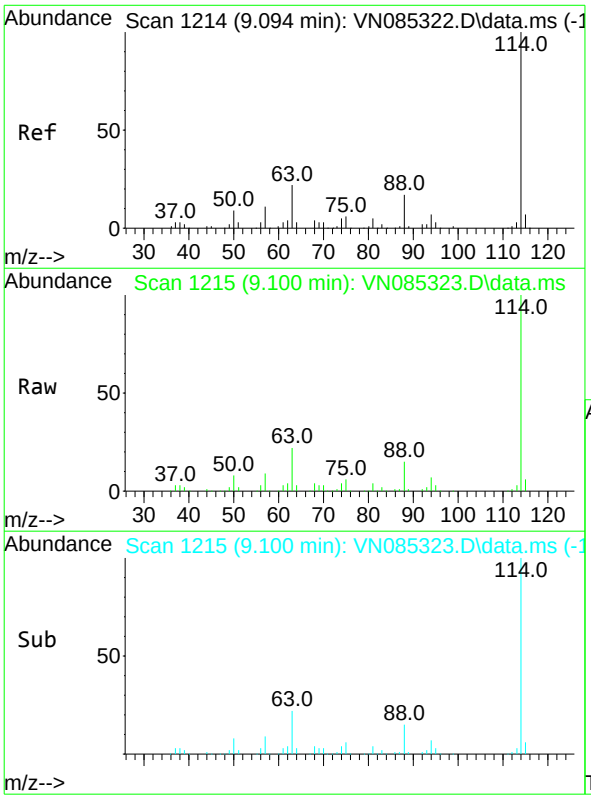
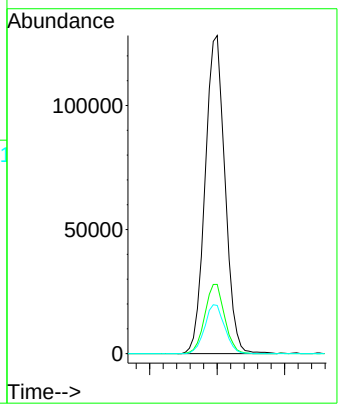
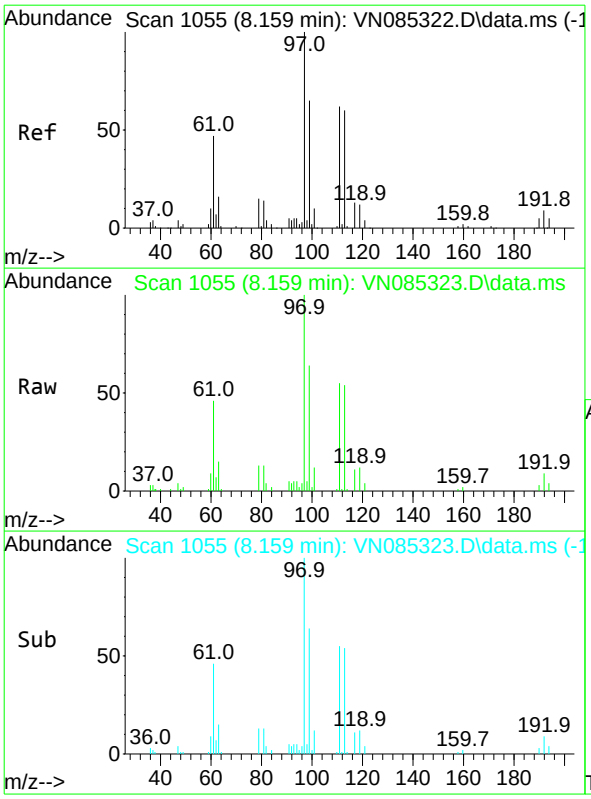


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:114 Resp: 261564

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	15.1	0.0	33.6

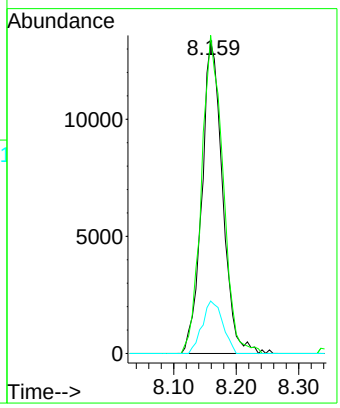




#35
Dibromofluoromethane
Concen: 18.810 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:113 Resp: 30693

Ion	Ratio	Lower	Upper
113	100		
111	105.6	80.5	120.7
192	16.7	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
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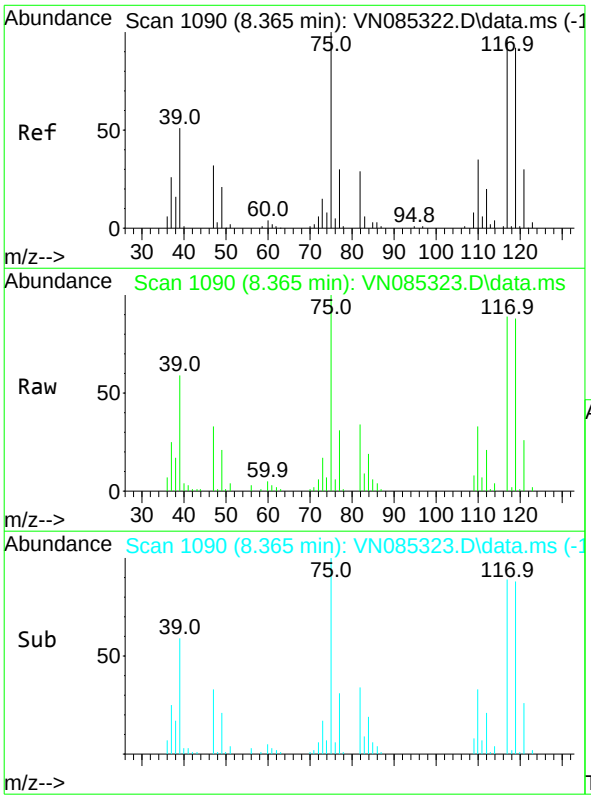
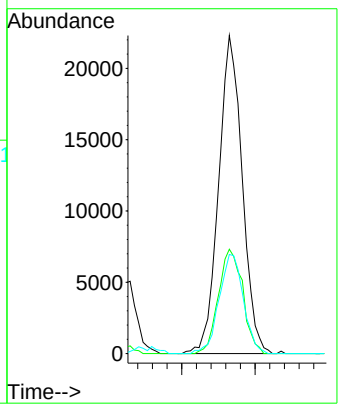
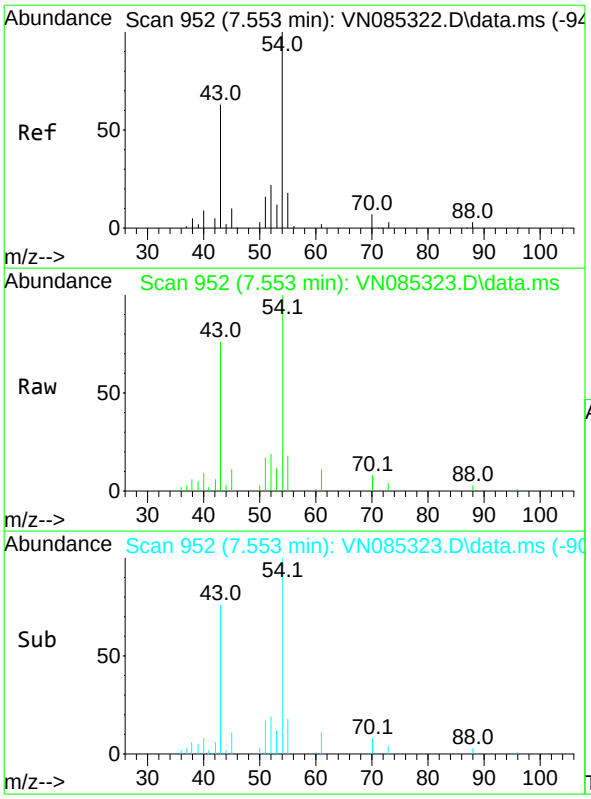


#36
1,1-Dichloropropene
Concen: 20.861 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 49840

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.6	49.8
77	32.1	24.3	36.5





#37
Ethyl Acetate
Concen: 20.937 ug/l
RT: 7.553 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 49720

Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	10.0	8.2	12.2

Instrument :
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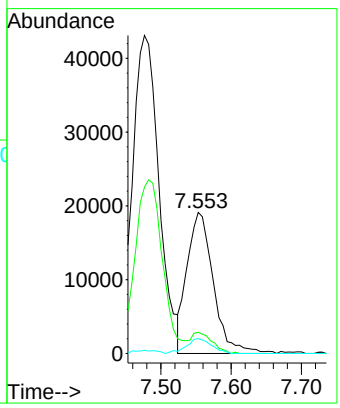
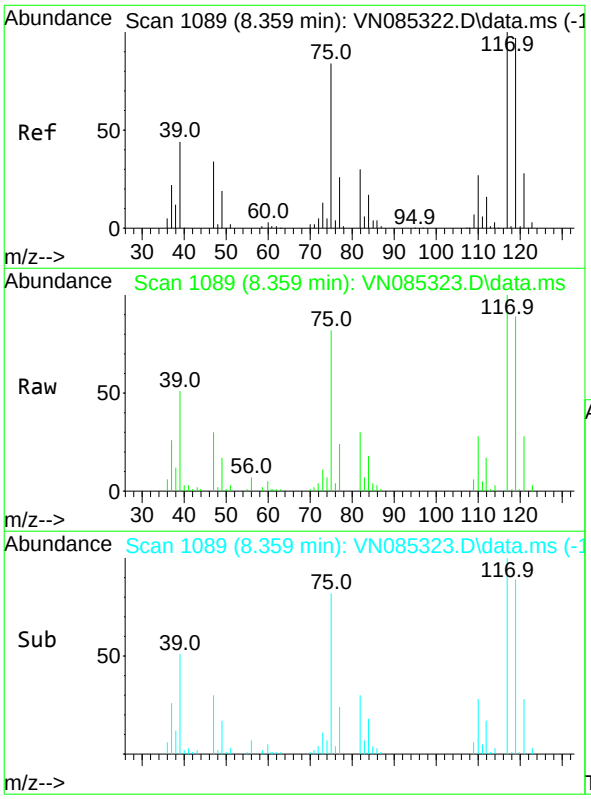
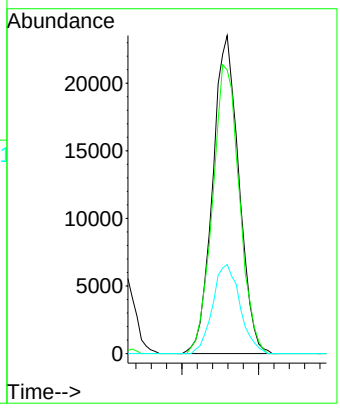


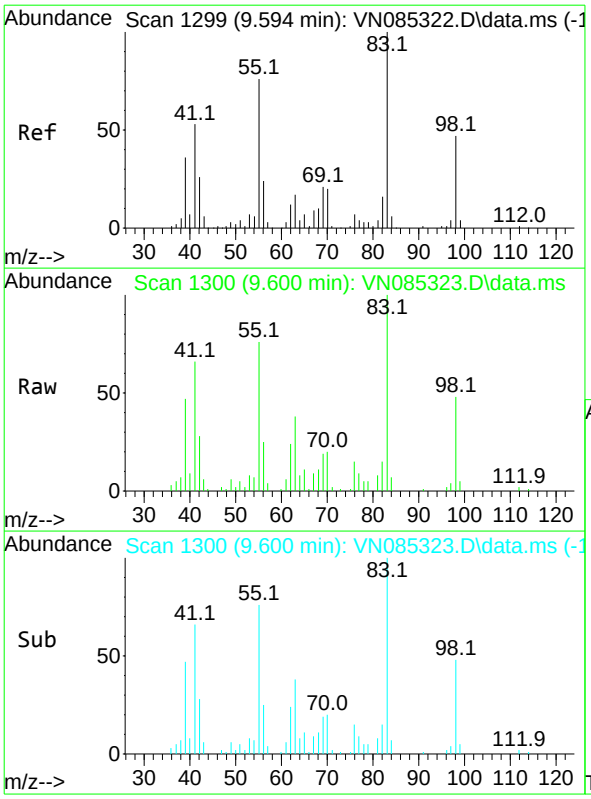


#38
Carbon Tetrachloride
Concen: 21.445 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:117 Resp: 55847

Ion	Ratio	Lower	Upper
117	100		
119	89.2	77.8	116.6
121	28.0	22.5	33.7

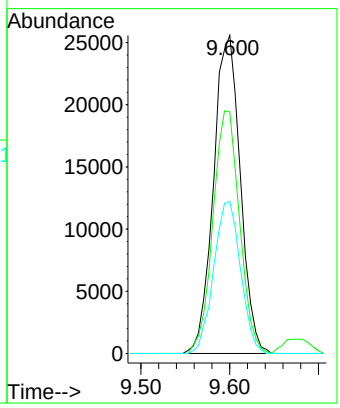




#39
Methylcyclohexane
Concen: 21.633 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 83 Resp: 53626

Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.7	91.1
98	47.8	37.7	56.5



Instrument :
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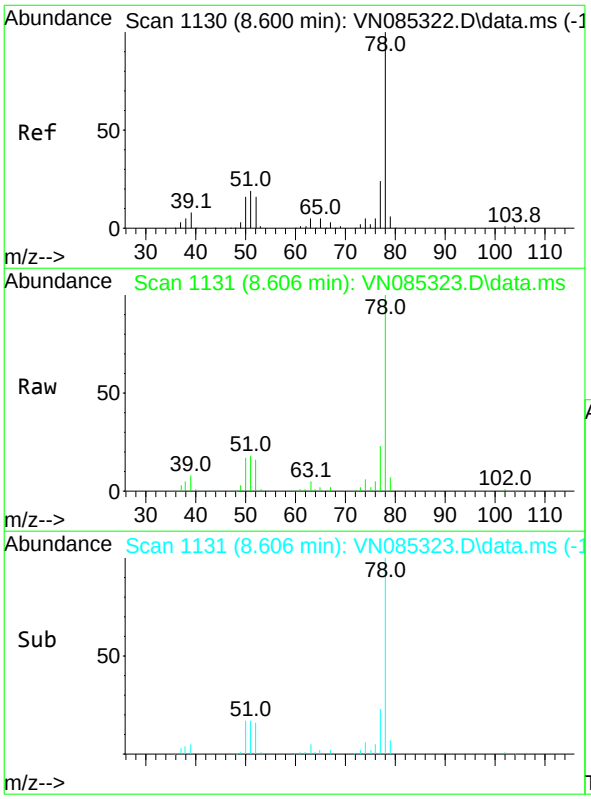
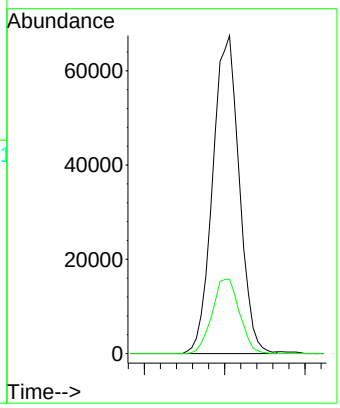
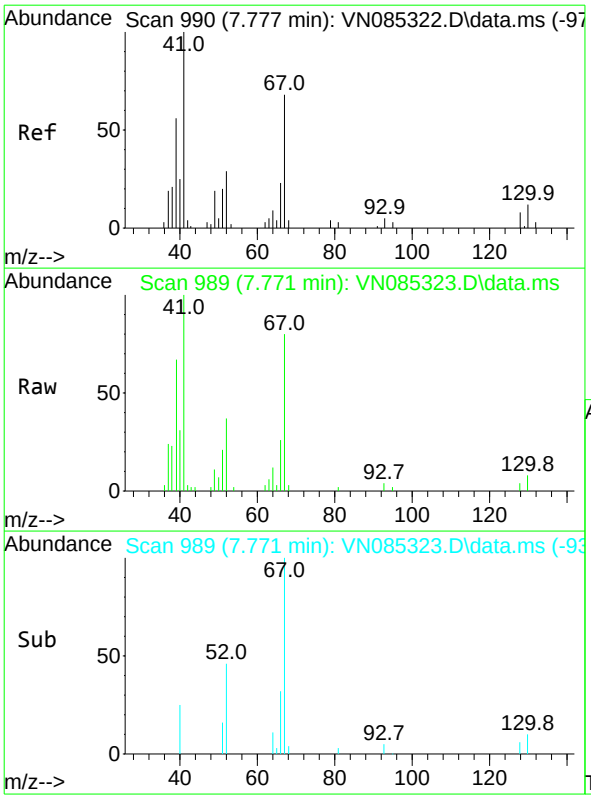


#40
Benzene
Concen: 21.450 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 78 Resp: 154946

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

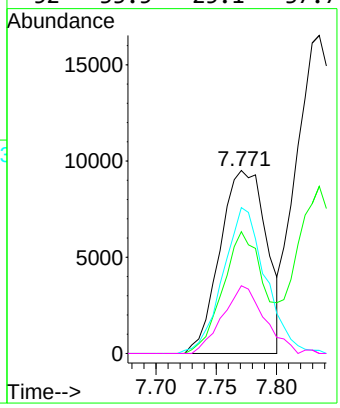




#41
Methacrylonitrile
Concen: 21.079 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 41 Resp: 25636

Ion	Ratio	Lower	Upper
41	100		
39	58.5	45.8	68.8
67	72.8	57.1	85.7
52	33.5	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
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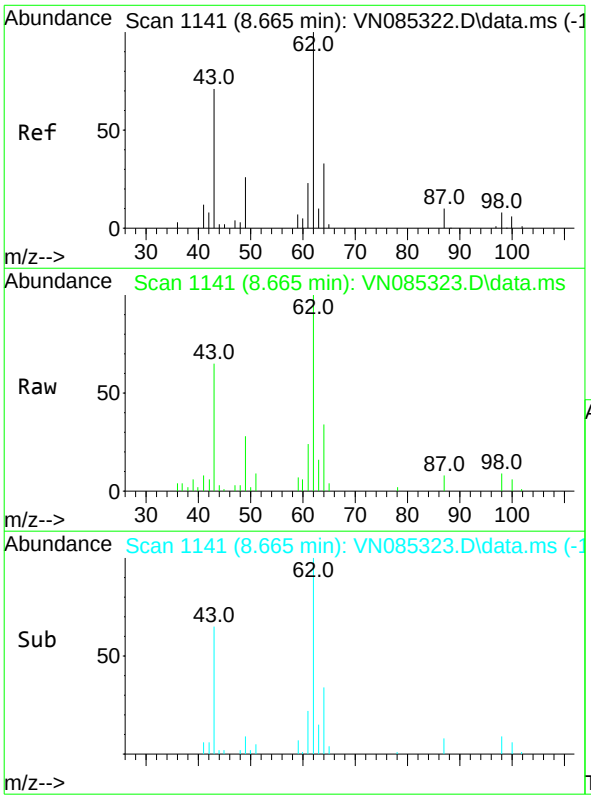
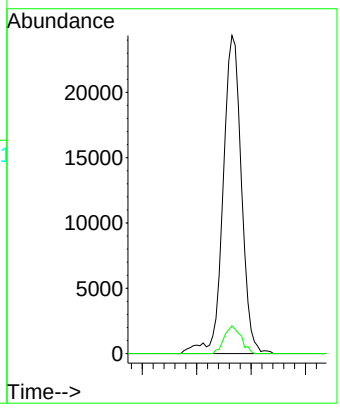
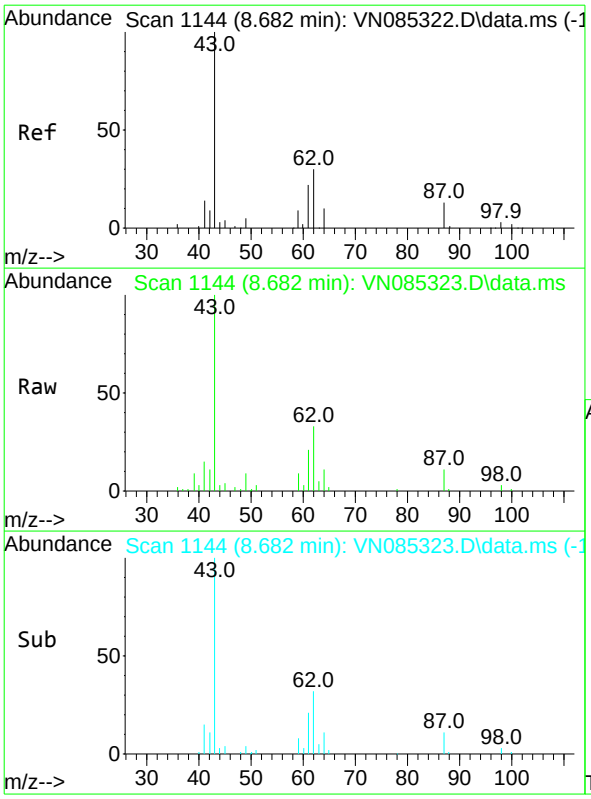


#42
1,2-Dichloroethane
Concen: 22.046 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 62 Resp: 57096

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.6

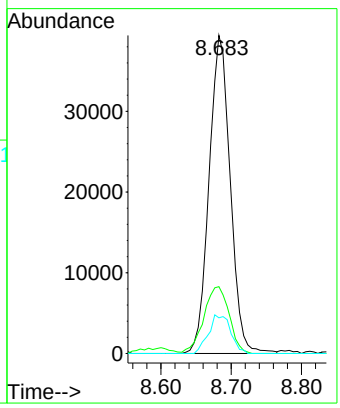




#43
Isopropyl Acetate
Concen: 21.117 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 82570

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.8	31.2
87	12.6	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
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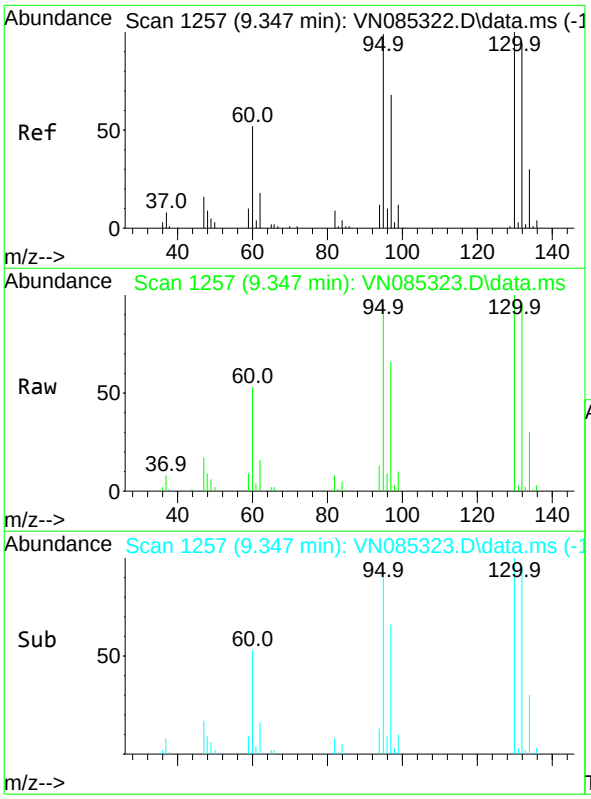
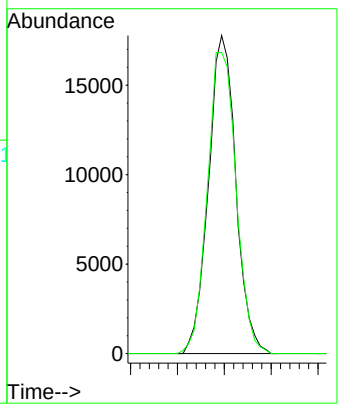
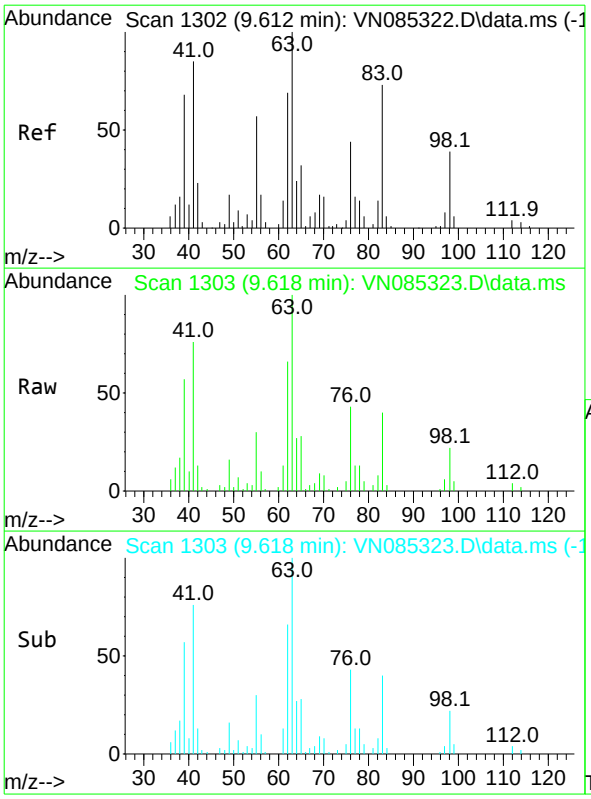


#44
Trichloroethene
Concen: 21.104 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:130 Resp: 36092

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	197.8

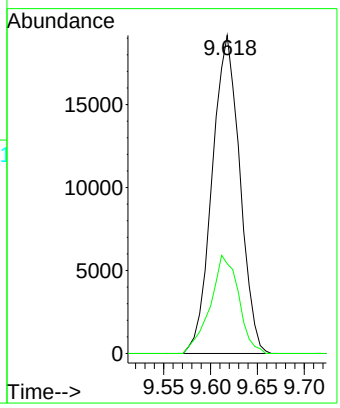




#45
1,2-Dichloropropane
Concen: 21.486 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 63 Resp: 39400

Ion	Ratio	Lower	Upper
63	100		
65	28.2	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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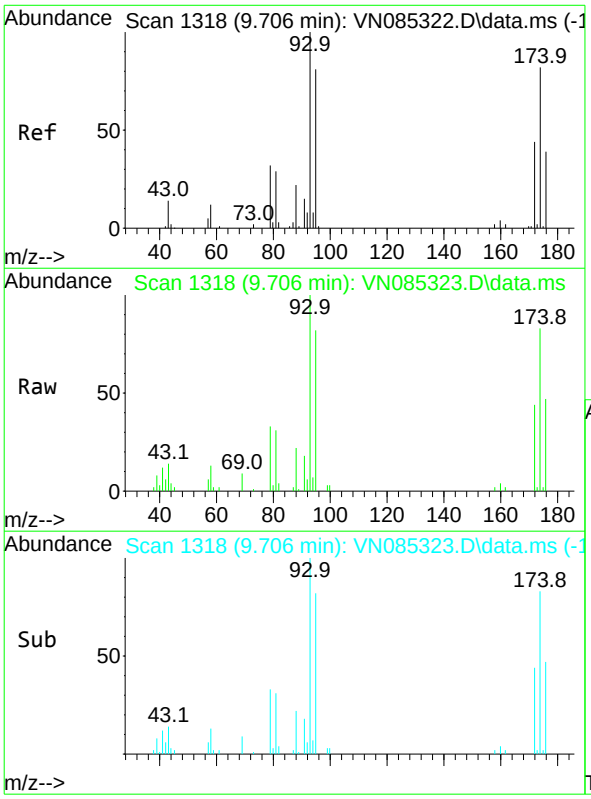
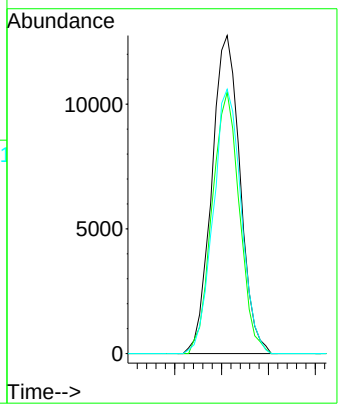
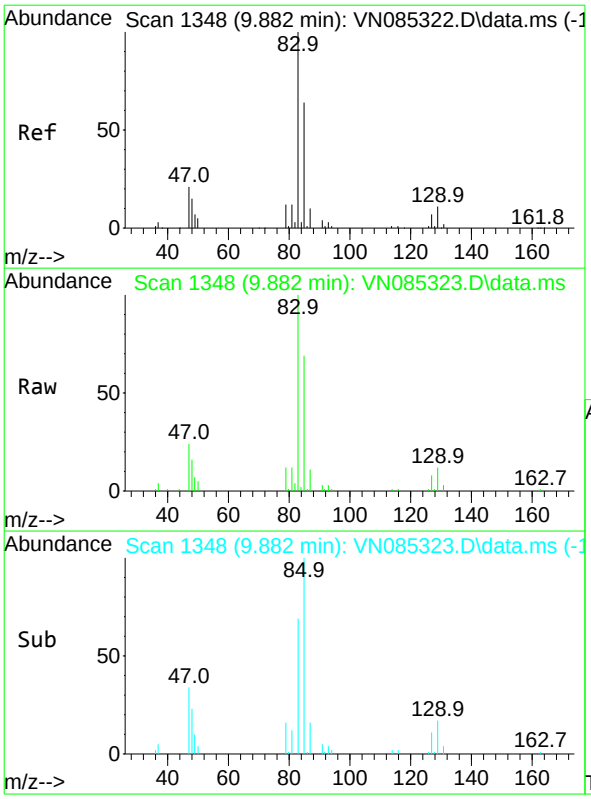


#46
Dibromomethane
Concen: 21.000 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 93 Resp: 26782

Ion	Ratio	Lower	Upper
93	100		
95	79.1	65.3	97.9
174	82.0	66.4	99.6

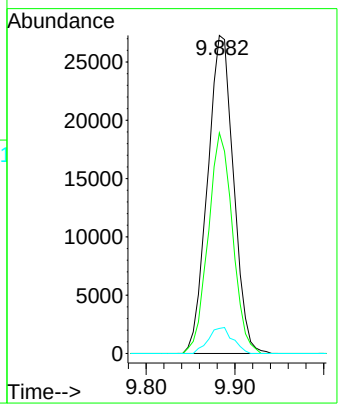




#47
Bromodichloromethane
Concen: 20.894 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 83 Resp: 55383

Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.0	76.4
127	7.9	5.8	8.6



Instrument :
MSVOA_N
ClientSampleId :
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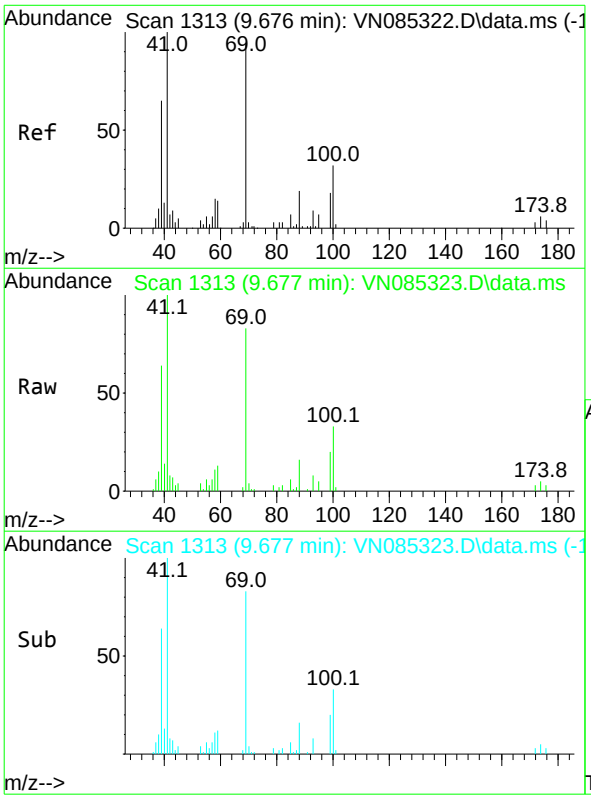
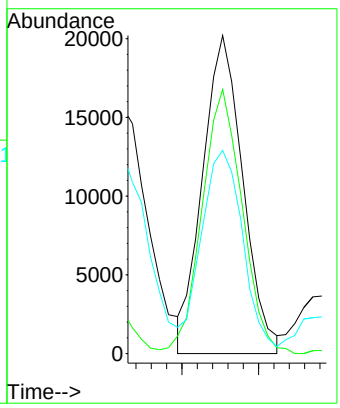
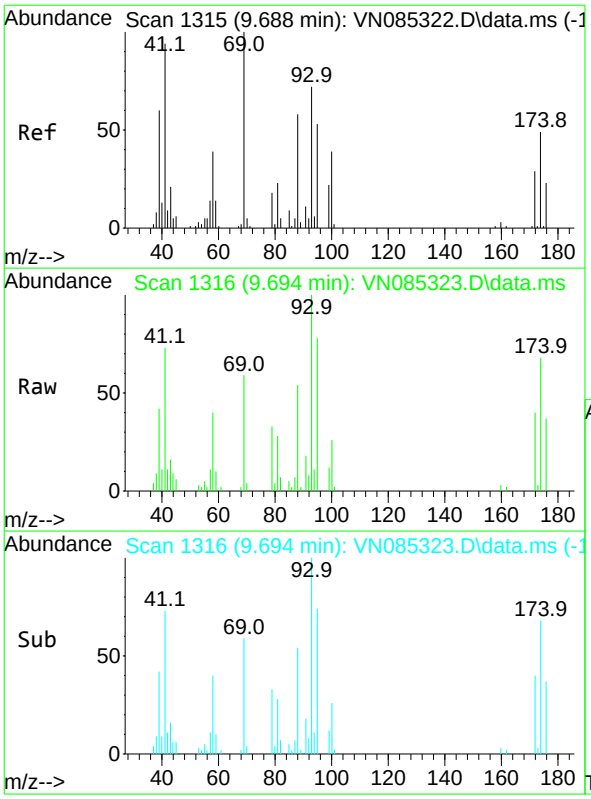


#48
Methyl methacrylate
Concen: 21.744 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 41 Resp: 36893

Ion	Ratio	Lower	Upper
41	100		
69	82.6	67.7	101.5
39	66.0	51.2	76.8

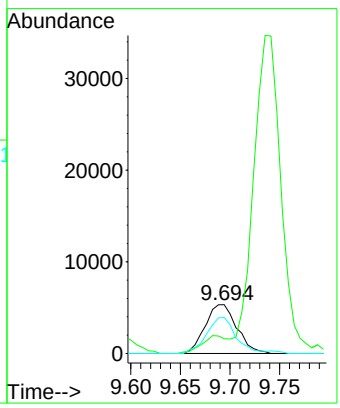




#49
1,4-Dioxane
Concen: 461.104 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 88 Resp: 11804

Ion	Ratio	Lower	Upper
88	100		
43	31.0	22.1	33.1
58	70.4	56.7	85.1



Instrument :
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ClientSampleId :
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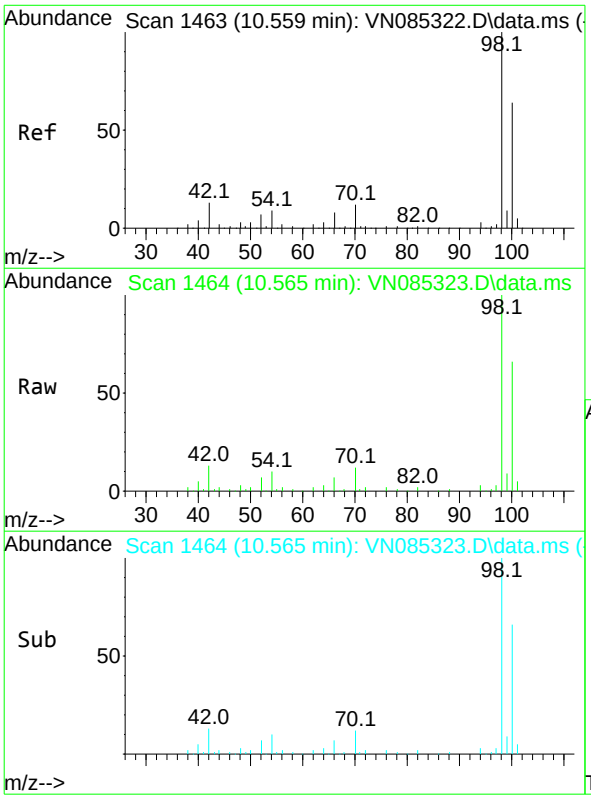
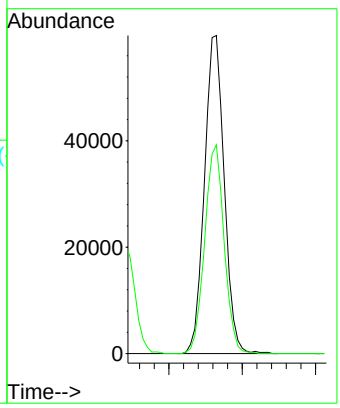
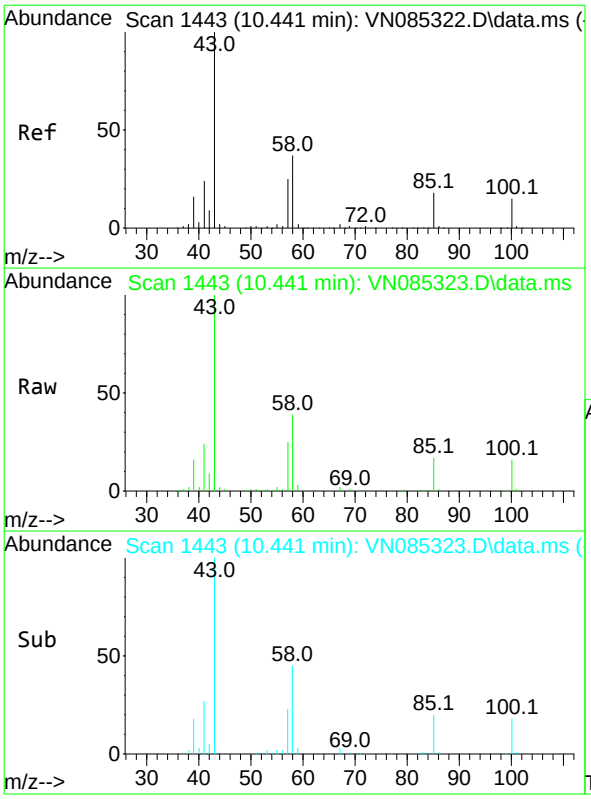


#50
Toluene-d8
Concen: 18.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 98 Resp: 111985

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3

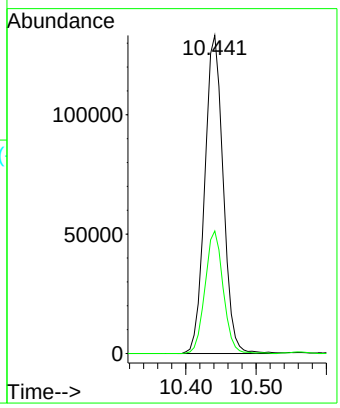




#51
4-Methyl-2-Pentanone
Concen: 110.019 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 241756

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
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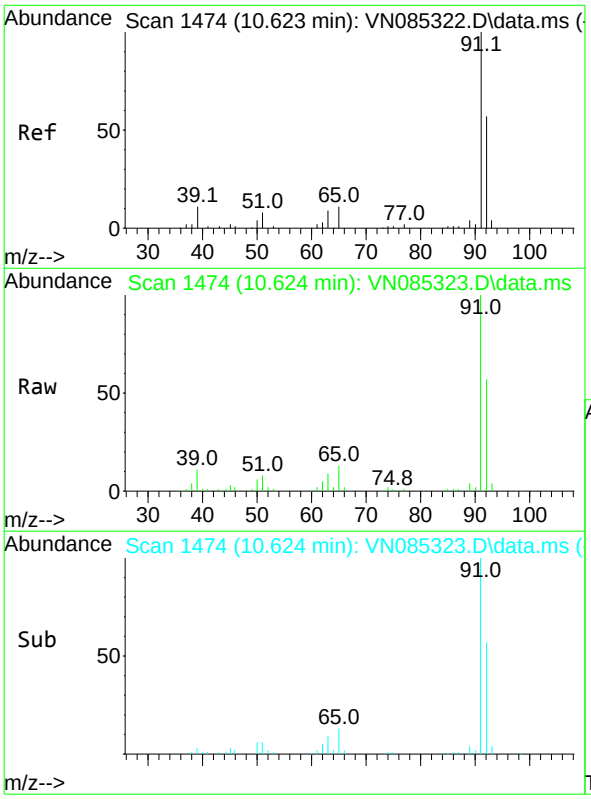
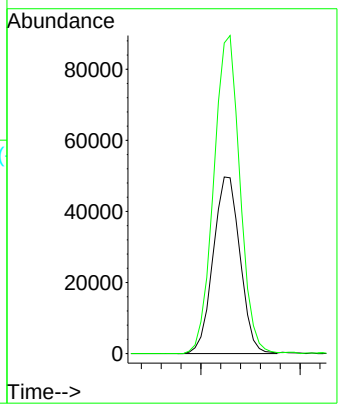
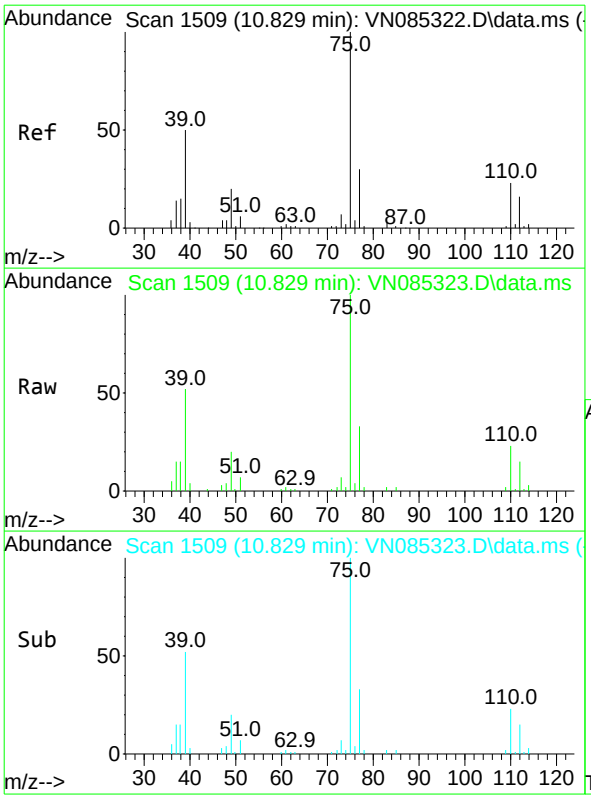


#52
Toluene
Concen: 21.702 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 92 Resp: 93343

Ion	Ratio	Lower	Upper
92	100		
91	175.8	140.2	210.4

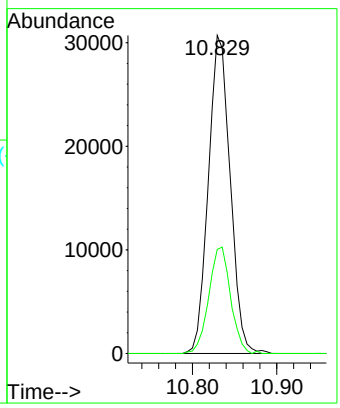




#53
t-1,3-Dichloropropene
Concen: 21.132 ug/l
RT: 10.829 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 55084

Ion	Ratio	Lower	Upper
75	100		
77	32.7	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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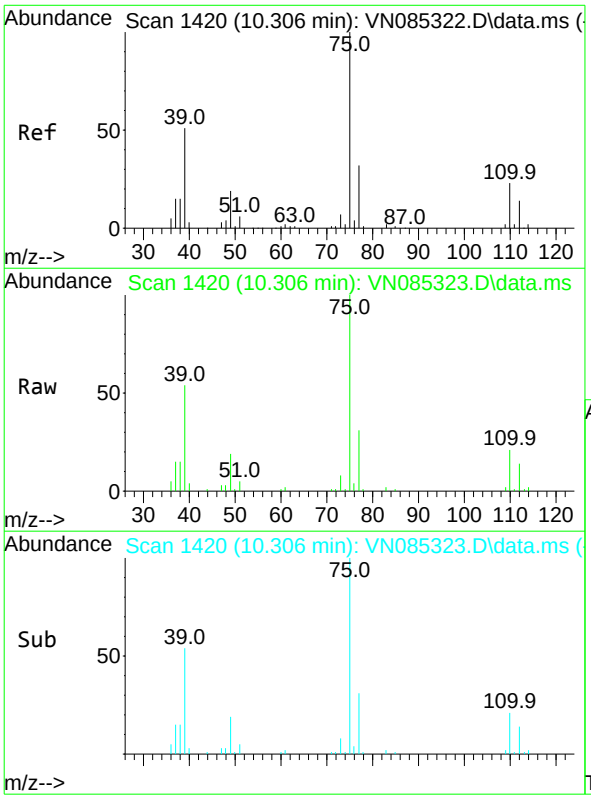
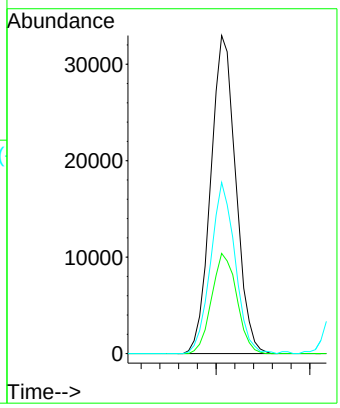
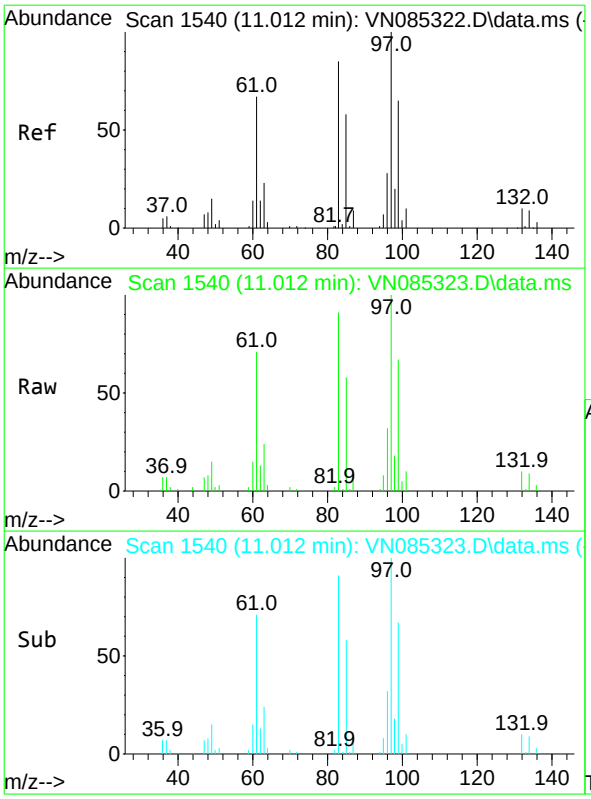


#54
cis-1,3-Dichloropropene
Concen: 21.718 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 61217

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	53.8	40.5	60.7

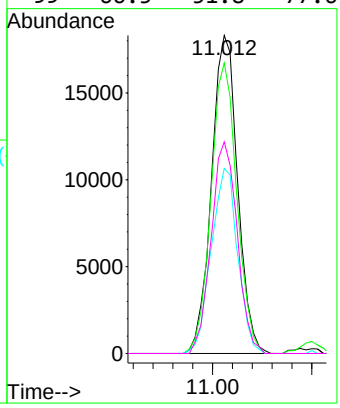




#55
1,1,2-Trichloroethane
Concen: 20.604 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 97 Resp: 33459

Ion	Ratio	Lower	Upper
97	100		
83	91.3	67.7	101.5
85	58.2	46.2	69.4
99	66.5	51.8	77.6



Instrument :
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ClientSampleId :
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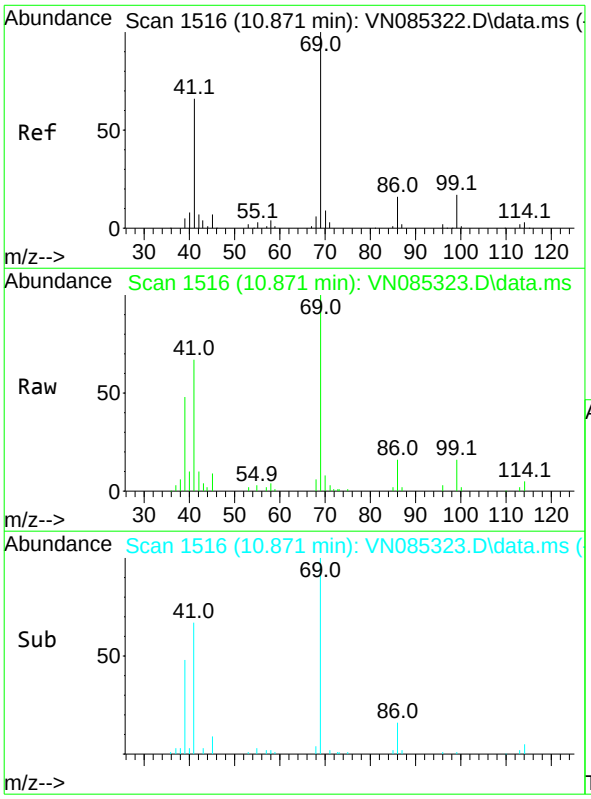
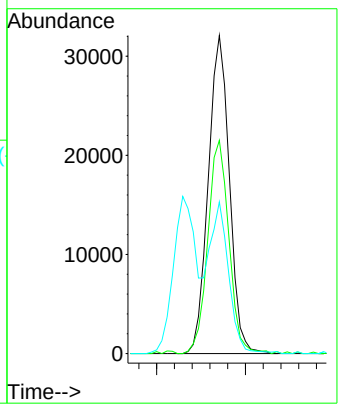
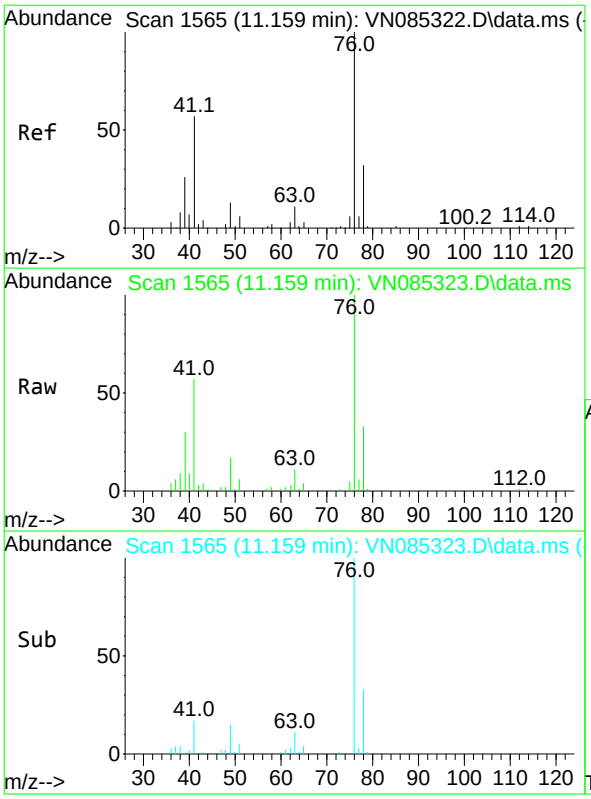


#56
Ethyl methacrylate
Concen: 22.458 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 69 Resp: 53114

Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.3	81.5
39	42.5	32.0	48.0

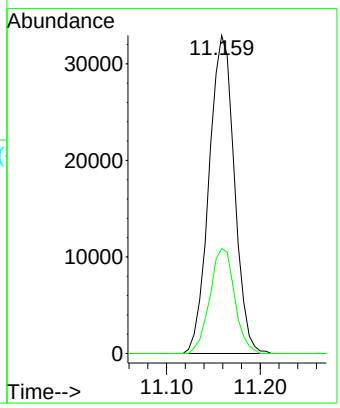




#57
1,3-Dichloropropane
Concen: 21.643 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 76 Resp: 61684

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



Instrument :
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ClientSampleId :
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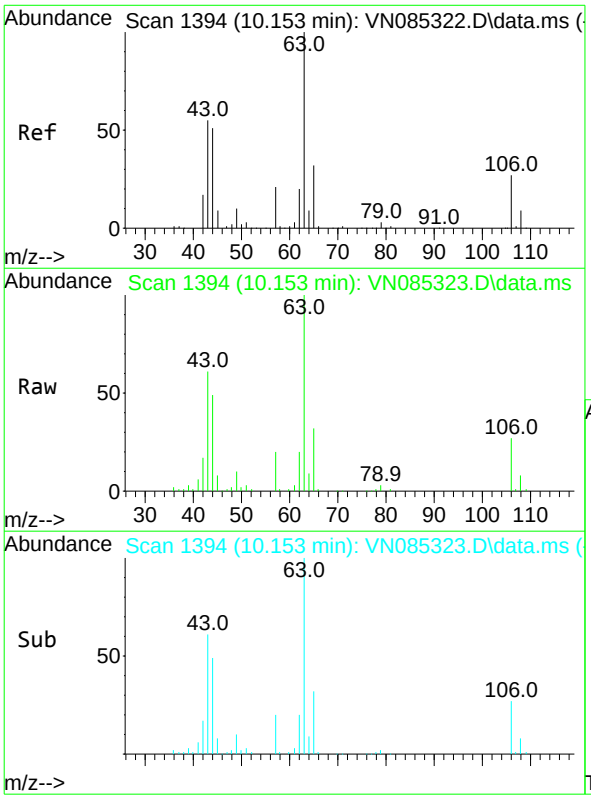
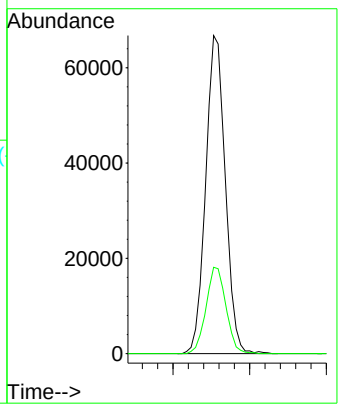
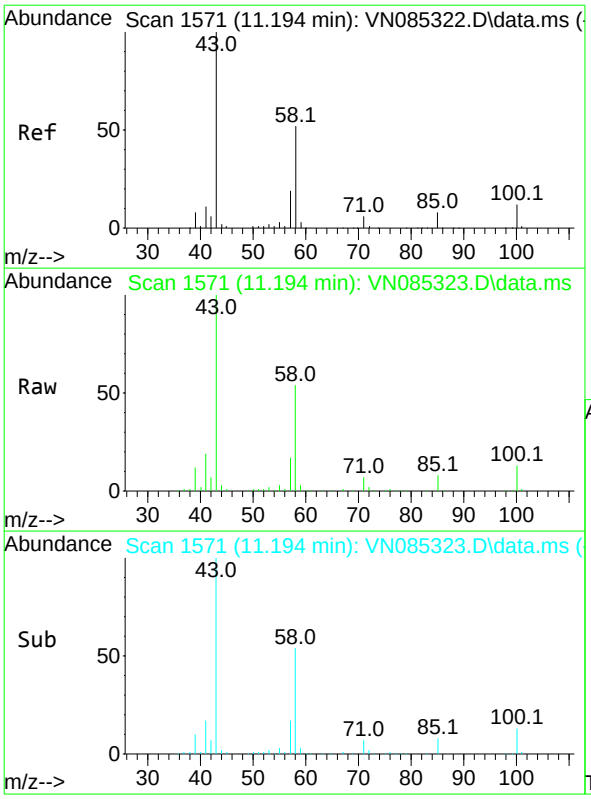


#58
2-Chloroethyl Vinyl ether
Concen: 103.539 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 63 Resp: 118474

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1

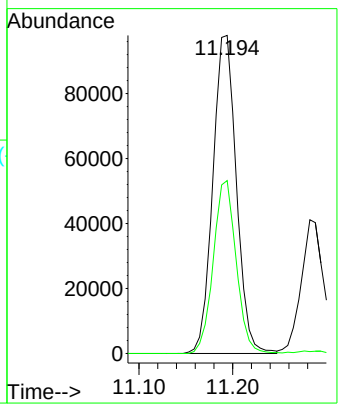




#59
2-Hexanone
Concen: 112.081 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 170875

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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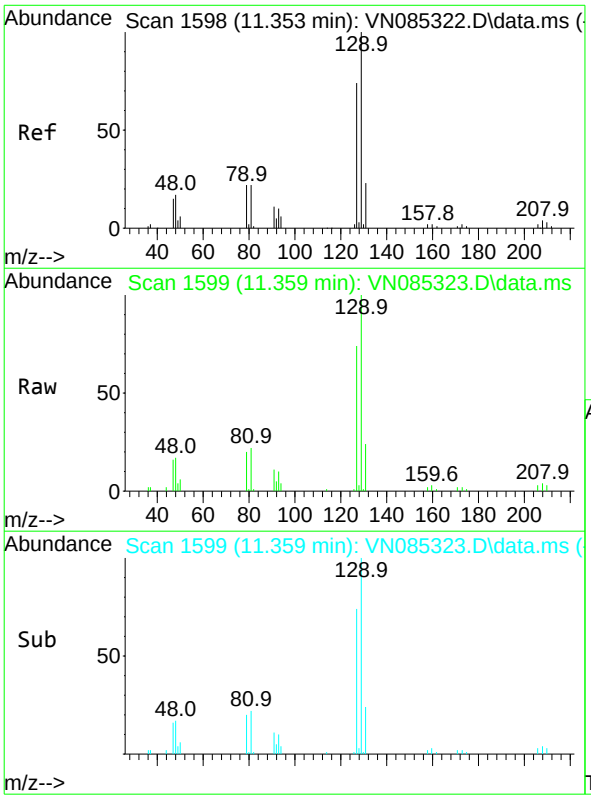
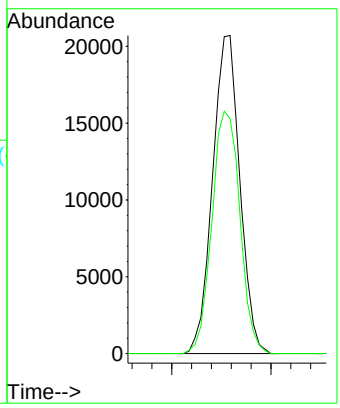
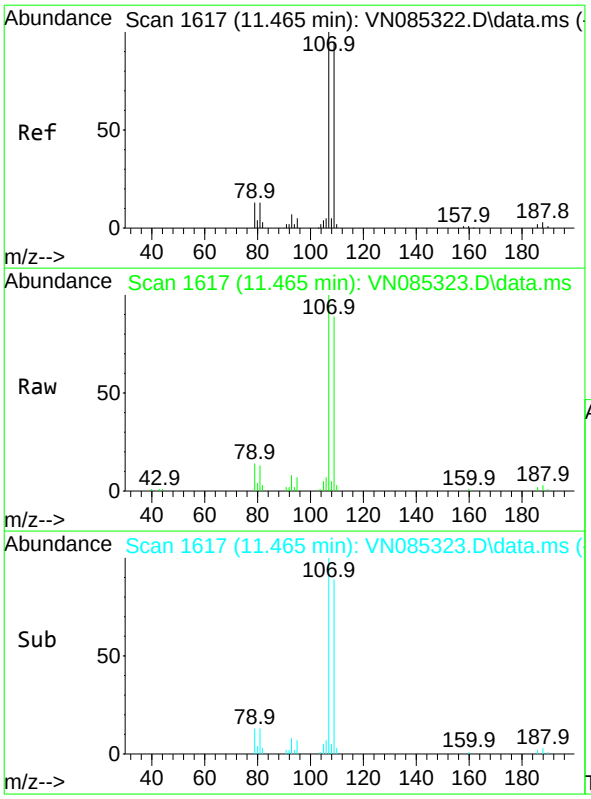


#60
Dibromochloromethane
Concen: 21.617 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:129 Resp: 39538

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9

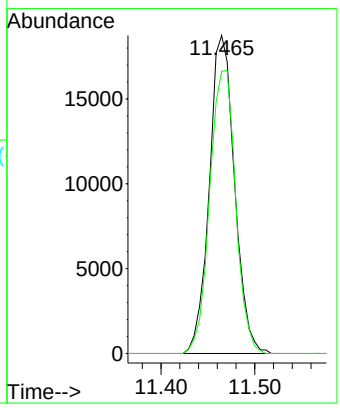




#61
1,2-Dibromoethane
Concen: 21.807 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:107 Resp: 35034

Ion	Ratio	Lower	Upper
107	100		
109	91.4	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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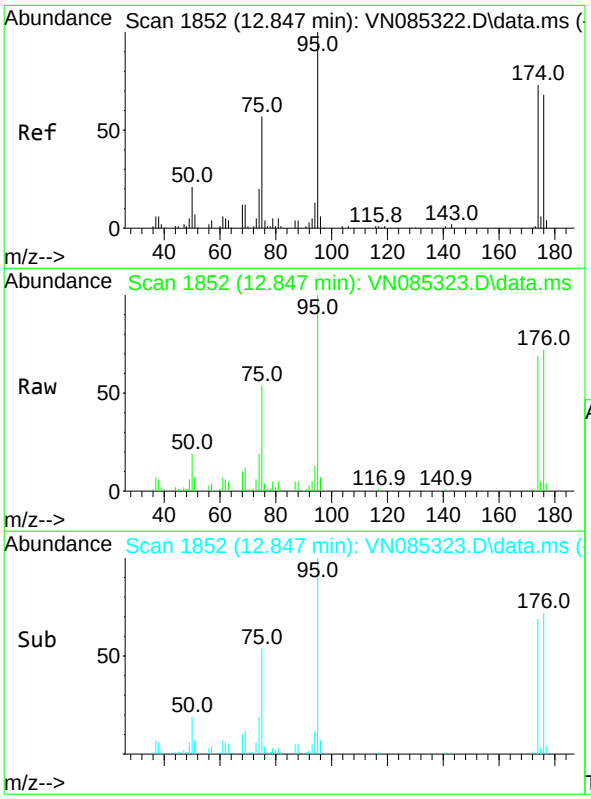
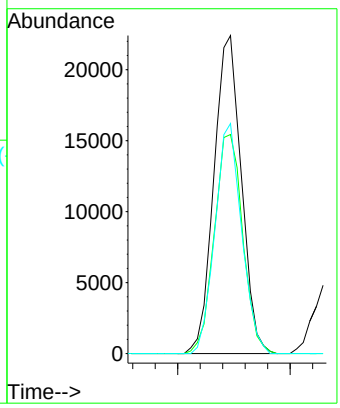
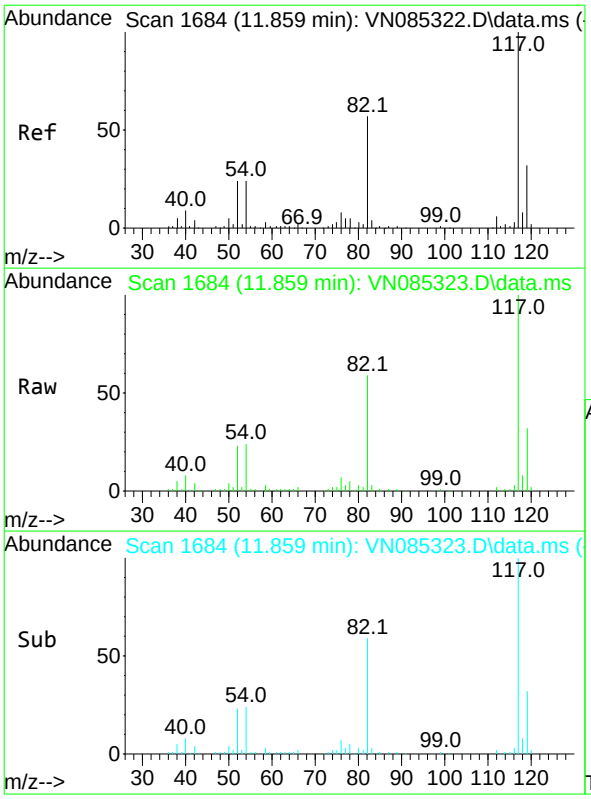


#62
4-Bromofluorobenzene
Concen: 19.067 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 95 Resp: 37918

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	143.2
176	70.1	0.0	135.8

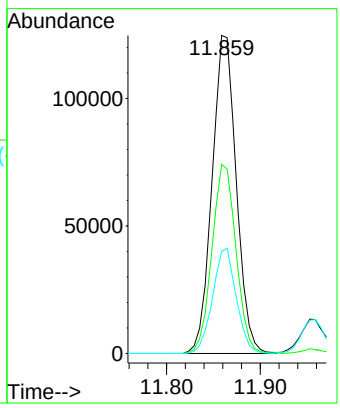




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:117 Resp: 224166

Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.7	68.5
119	32.1	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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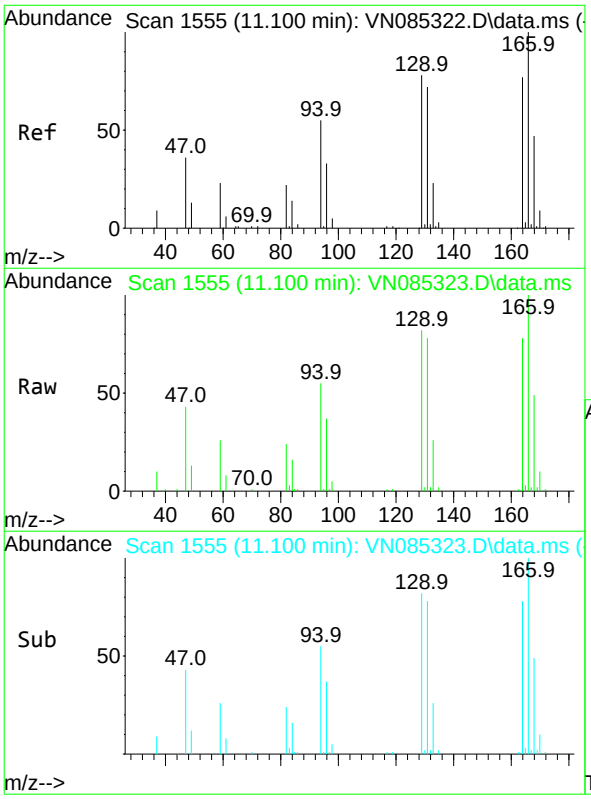
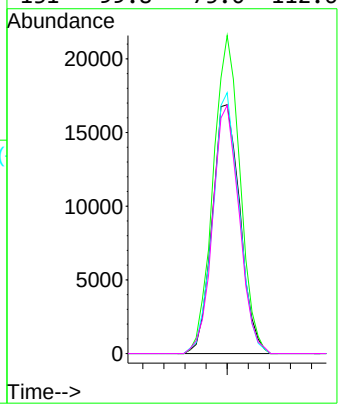
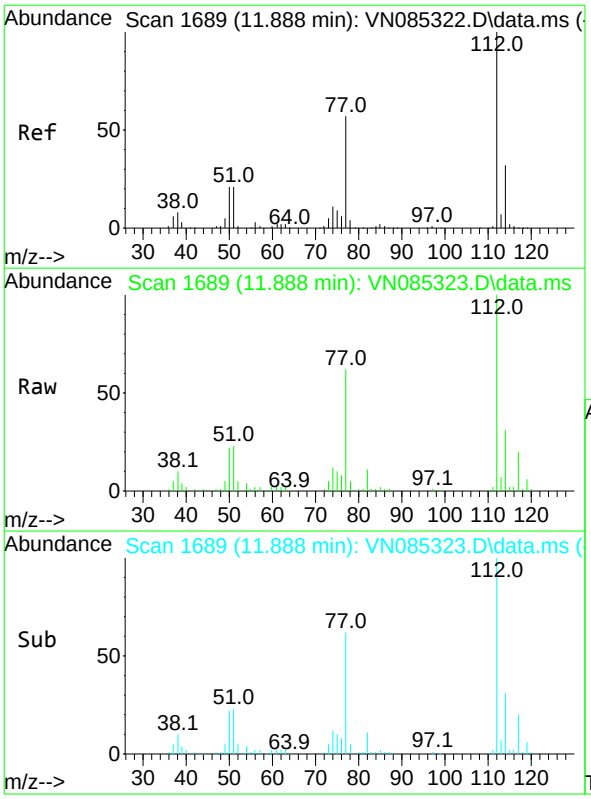


#64
Tetrachloroethene
Concen: 21.718 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:164 Resp: 30849

Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.0	156.0
129	104.8	81.3	121.9
131	99.8	75.0	112.6

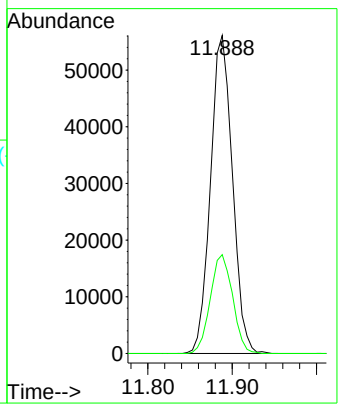




#65
Chlorobenzene
Concen: 20.938 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:112 Resp: 101427

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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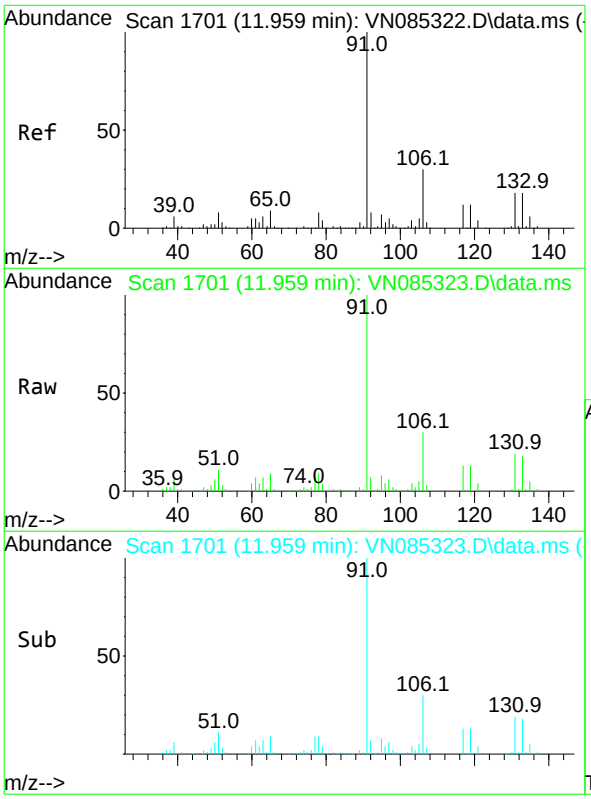
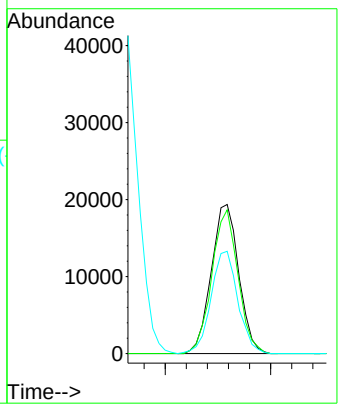
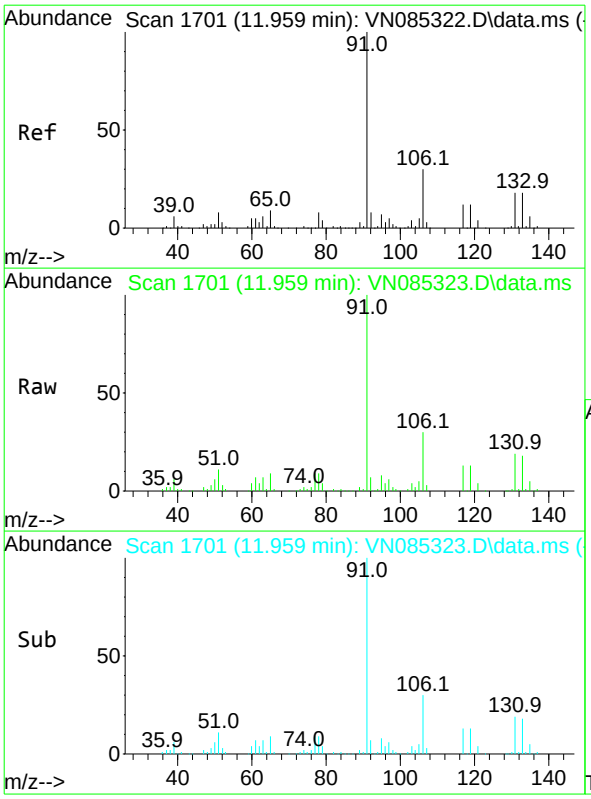


#66
1,1,1,2-Tetrachloroethane
Concen: 21.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:131 Resp: 35030

Ion	Ratio	Lower	Upper
131	100		
133	91.8	48.3	144.9
119	67.1	33.4	100.1

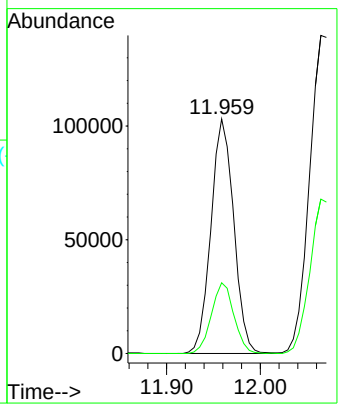




#67
Ethyl Benzene
Concen: 21.640 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 174337

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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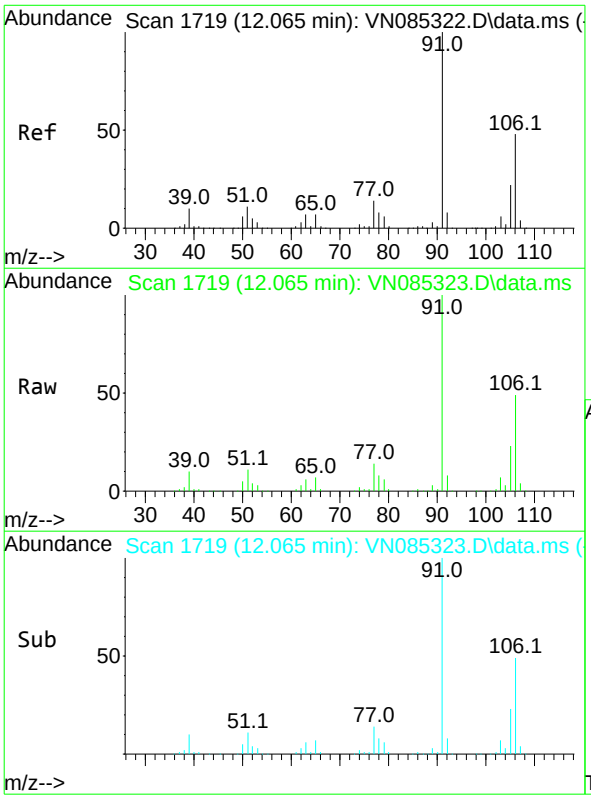
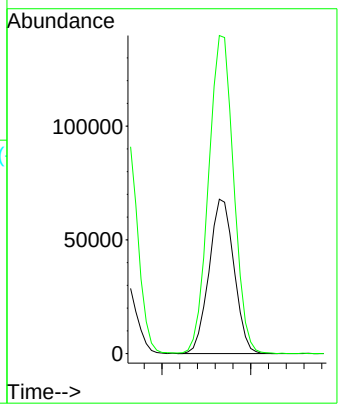
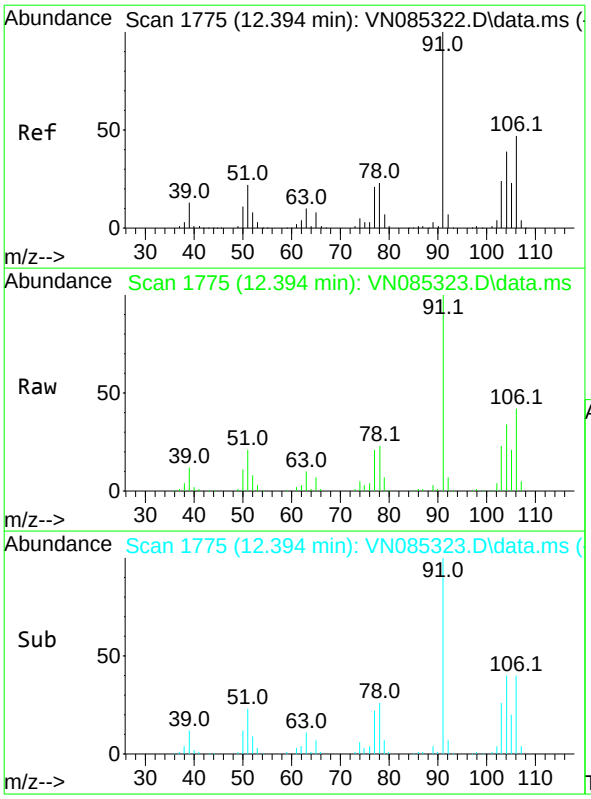


#68
m/p-Xylenes
Concen: 44.993 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:106 Resp: 132648

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.2	247.8

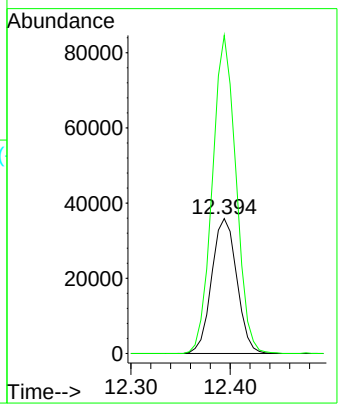




#69
o-Xylene
Concen: 22.091 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:106 Resp: 63003

Ion	Ratio	Lower	Upper
106	100		
91	222.2	107.3	321.8



Instrument :
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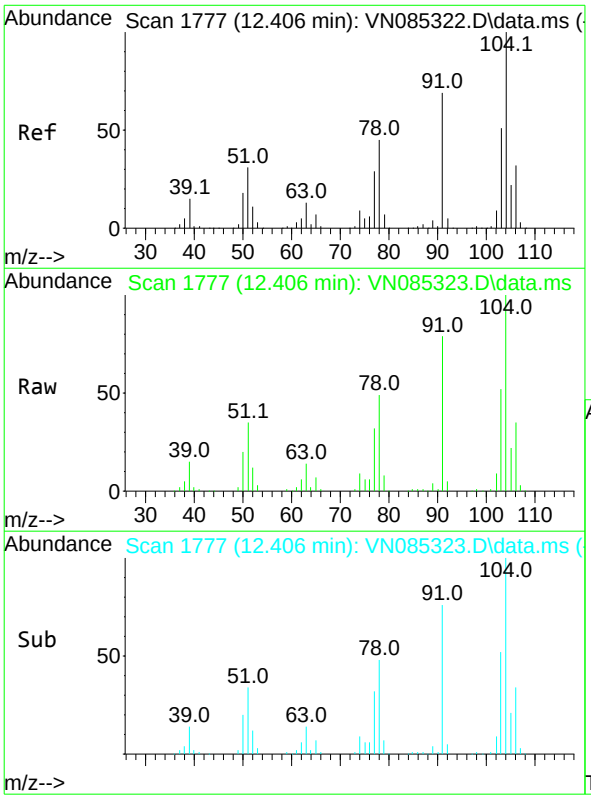
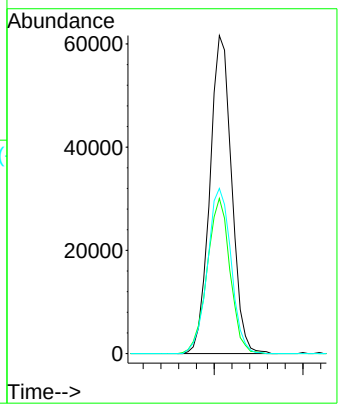
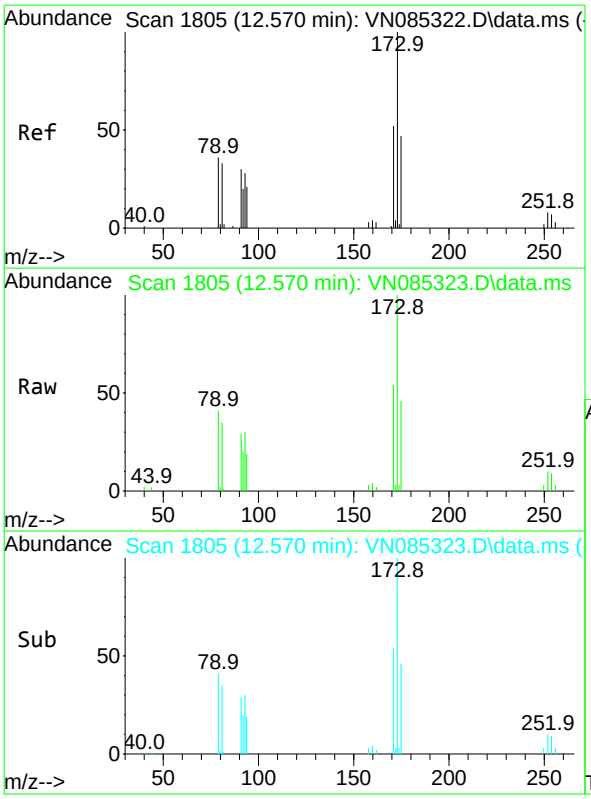


#70
Styrene
Concen: 22.728 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:104 Resp: 105054

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.7	61.1
103	56.2	44.1	66.1

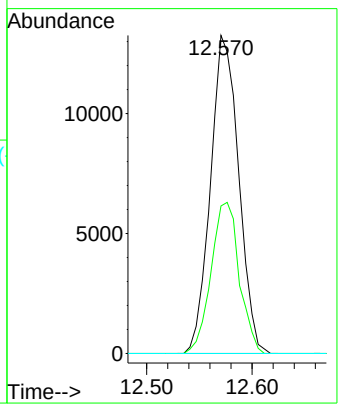




#71
Bromoform
Concen: 21.885 ug/l
RT: 12.570 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:173 Resp: 24644

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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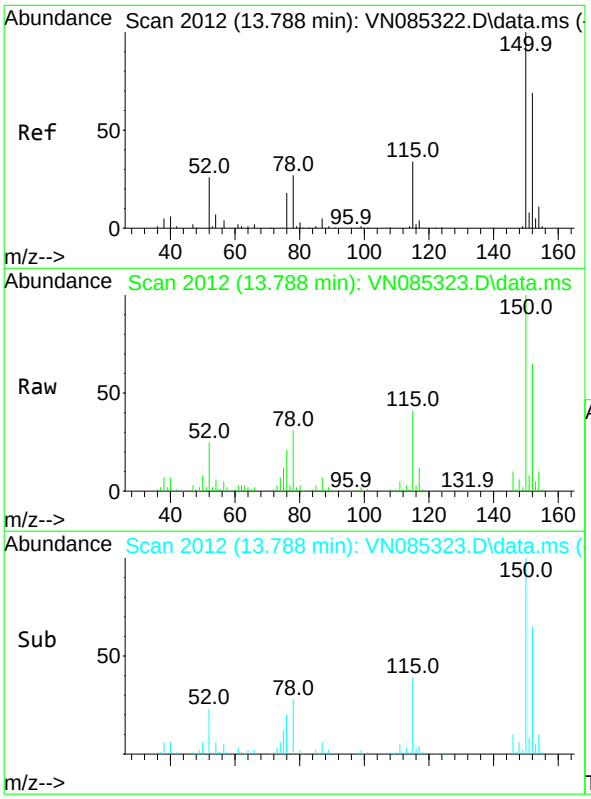
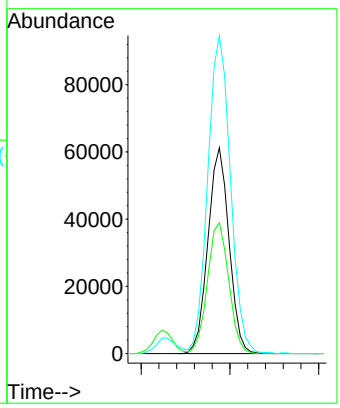
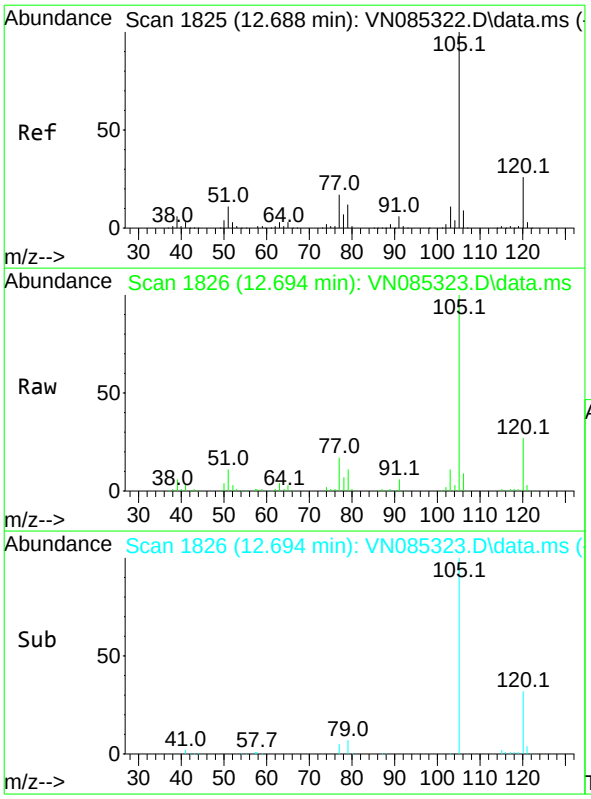


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:152 Resp: 100909

Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.4	91.3
150	166.0	0.0	345.0

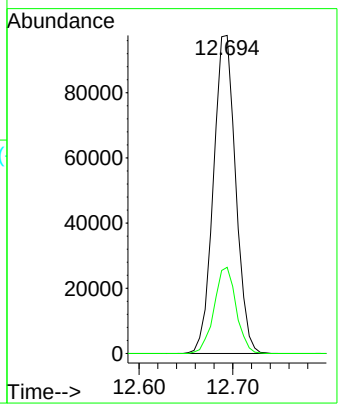




#73
Isopropylbenzene
Concen: 22.153 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 160752

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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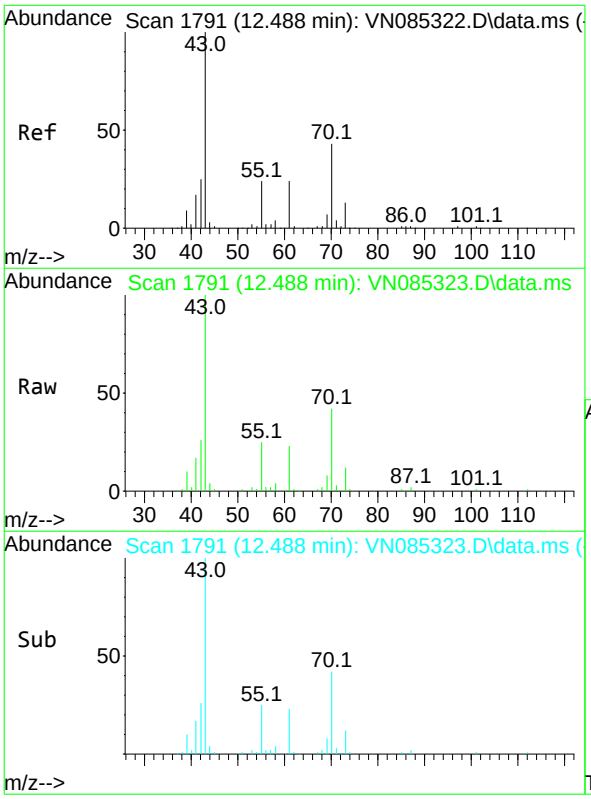
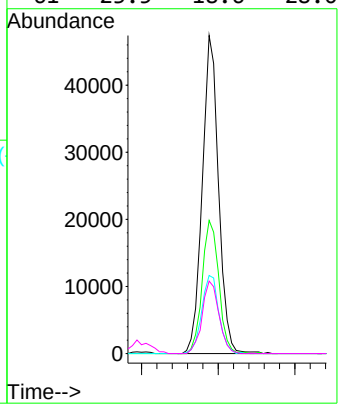
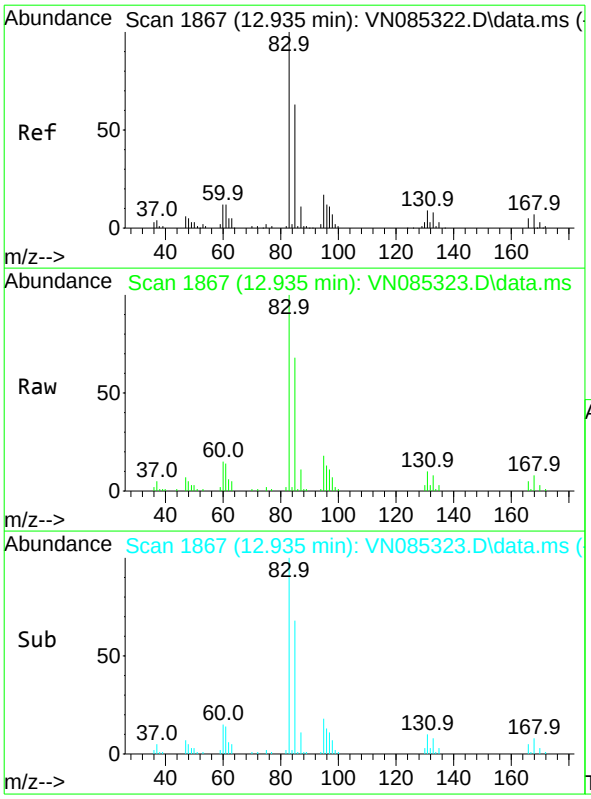


#74
N-amyl acetate
Concen: 22.517 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 69938

Ion	Ratio	Lower	Upper
43	100		
70	42.6	33.4	50.0
55	25.9	19.2	28.8
61	23.5	18.6	28.0

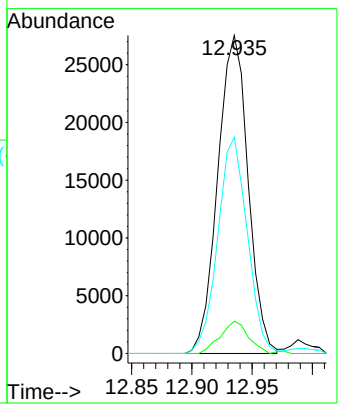




#75
1,1,2,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 83 Resp: 48294

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	66.2	32.6	98.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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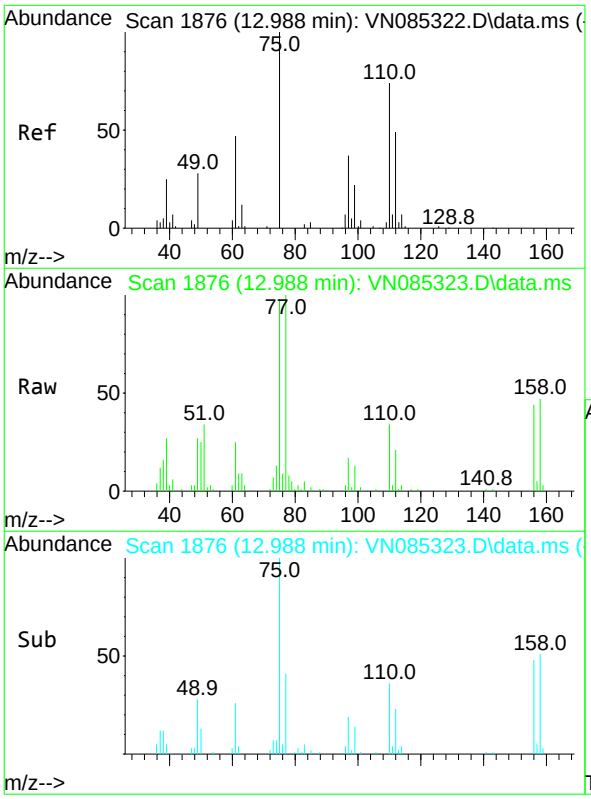
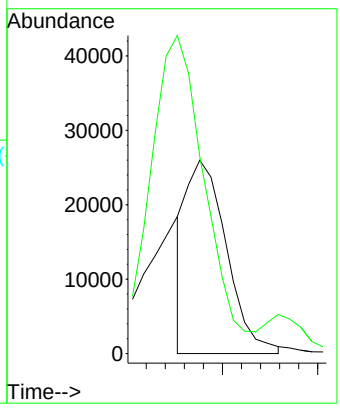
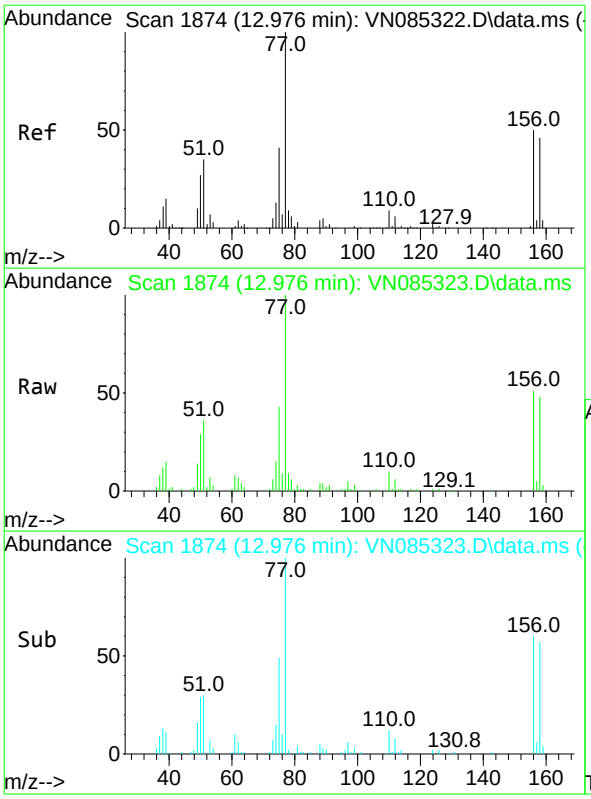


#76
1,2,3-Trichloropropane
Concen: 19.654 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 38100

Ion	Ratio	Lower	Upper
75	100		
77	226.6	98.1	294.3

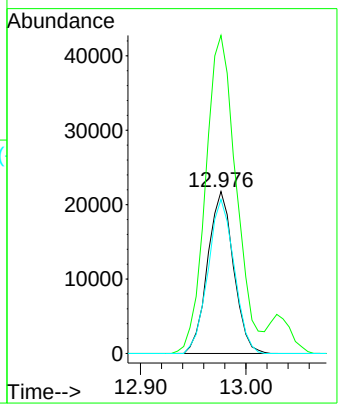




#77
Bromobenzene
Concen: 20.623 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:156 Resp: 37077

Ion	Ratio	Lower	Upper
156	100		
77	232.8	114.0	342.0
158	96.3	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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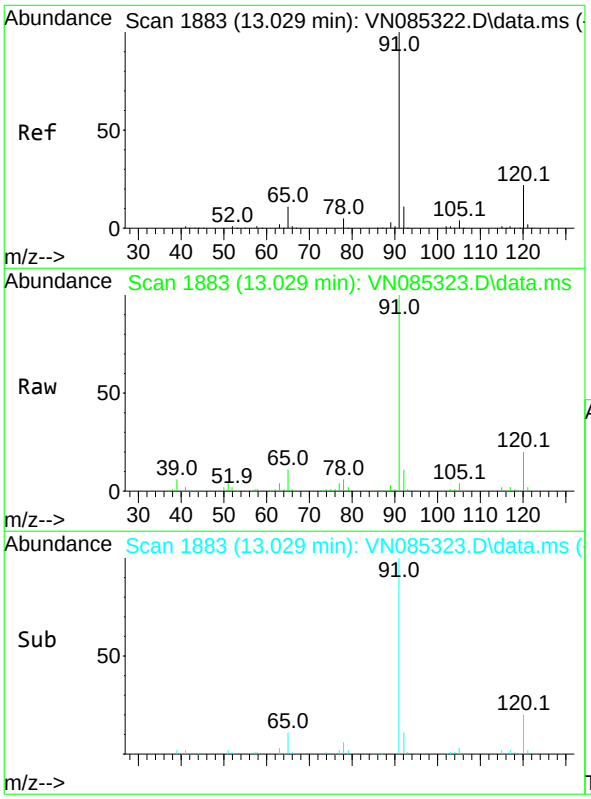
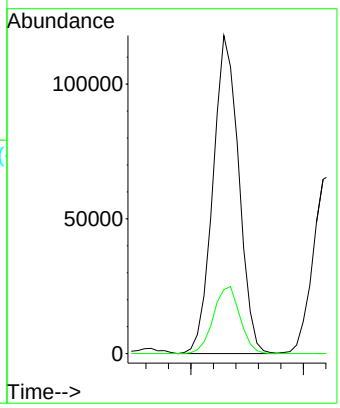
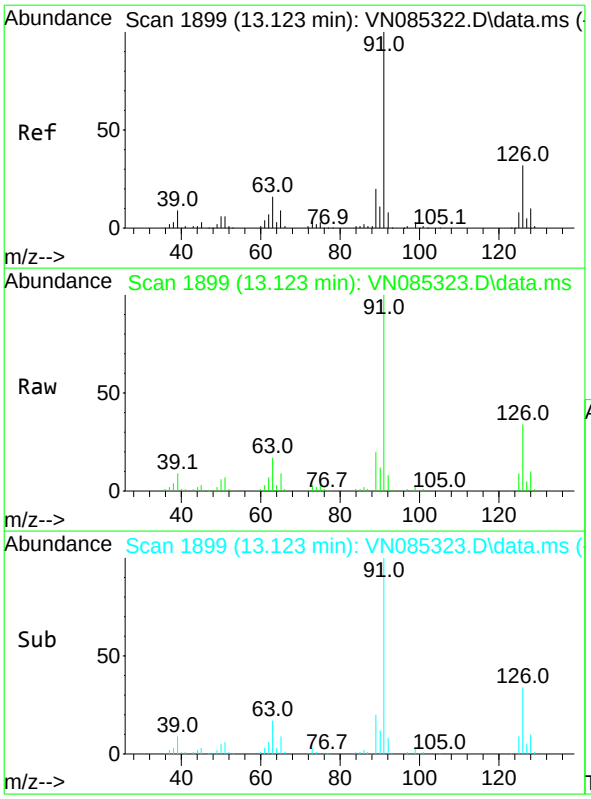


#78
n-propylbenzene
Concen: 22.243 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 188143

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.9

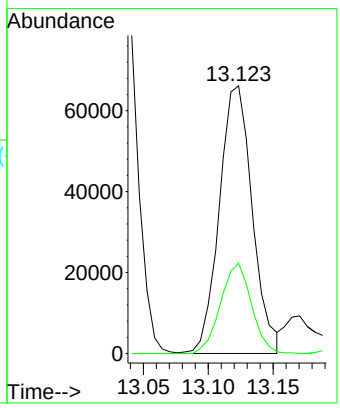




#79
2-Chlorotoluene
Concen: 22.010 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 117169

Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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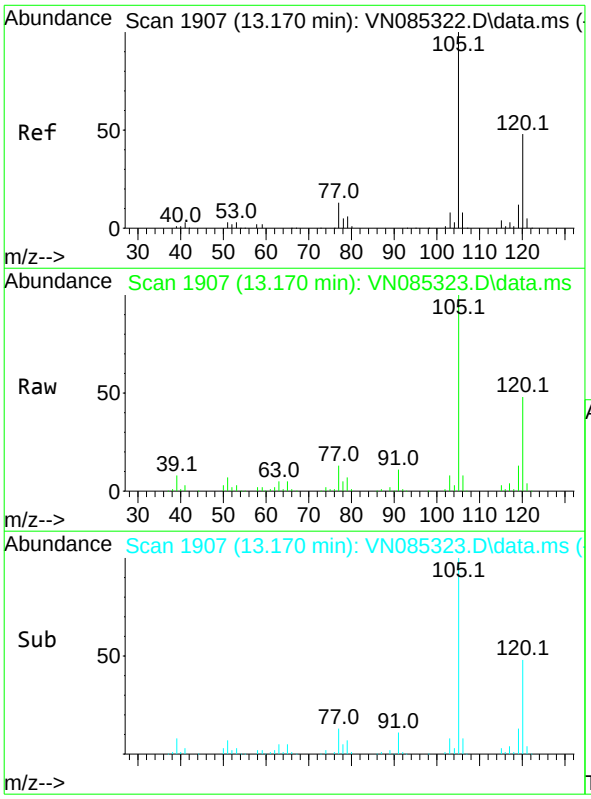
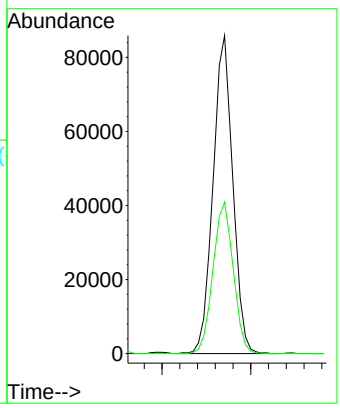
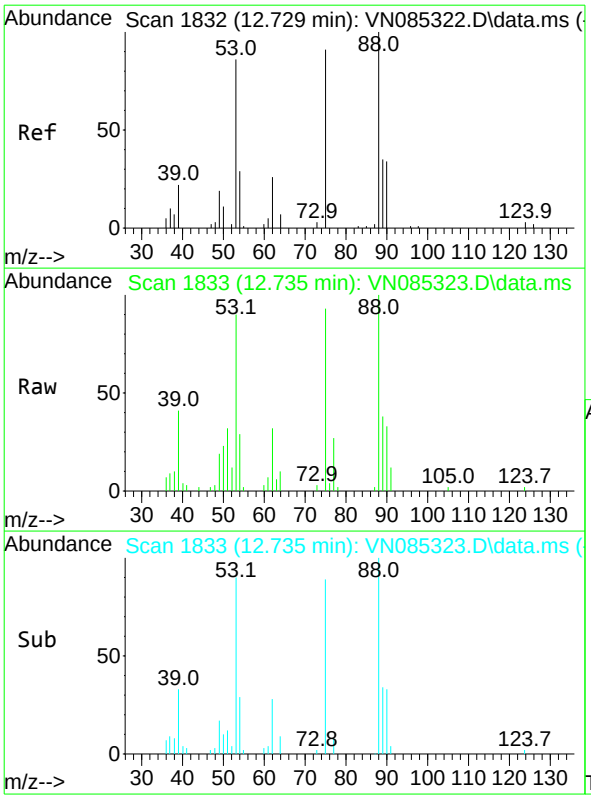


#80
1,3,5-Trimethylbenzene
Concen: 22.582 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 132546

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.0	72.0

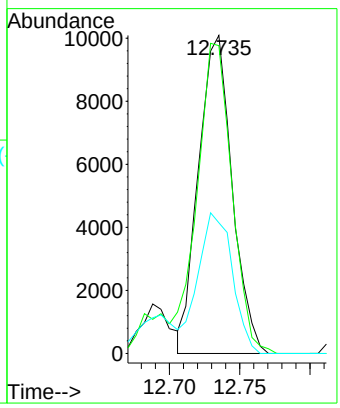




#81
trans-1,4-Dichloro-2-butene
Concen: 21.448 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 16798

Ion	Ratio	Lower	Upper
75	100		
53	101.3	80.0	120.0
89	45.4	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
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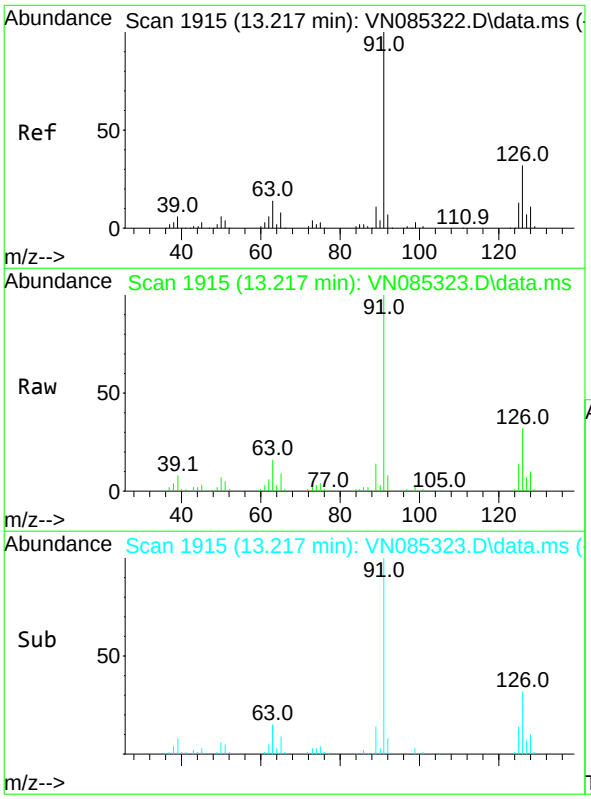
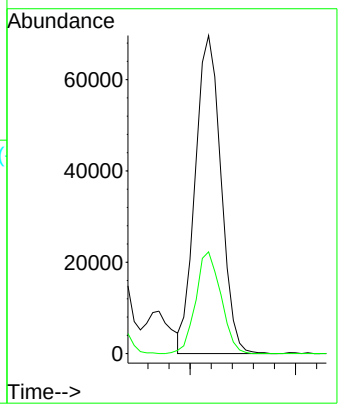
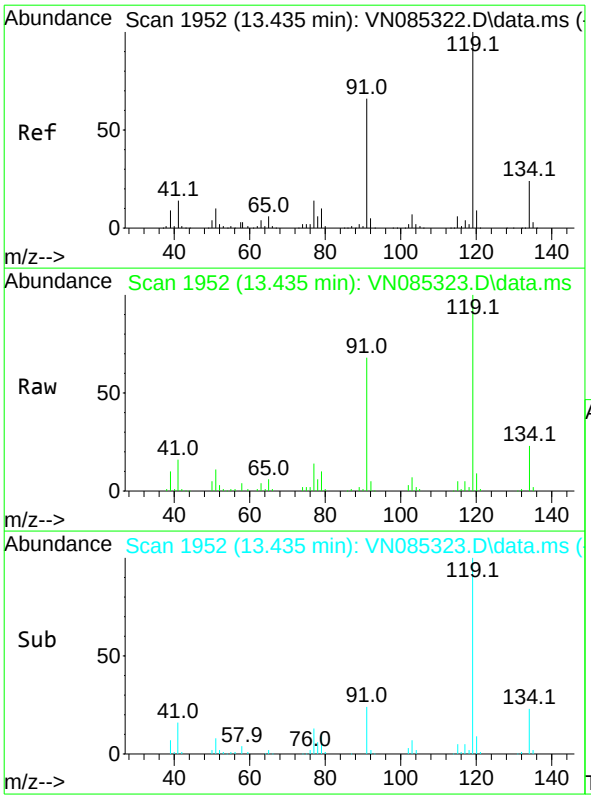


#82
4-Chlorotoluene
Concen: 21.976 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 117825

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.4	49.4

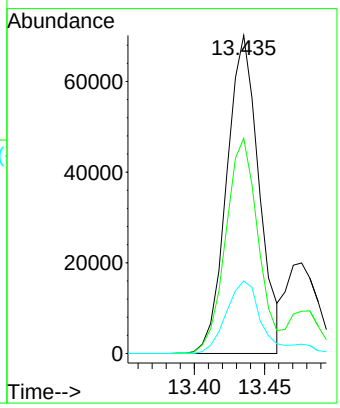




#83
tert-Butylbenzene
Concen: 22.025 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:119 Resp: 111983

Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.6	100.8
134	26.1	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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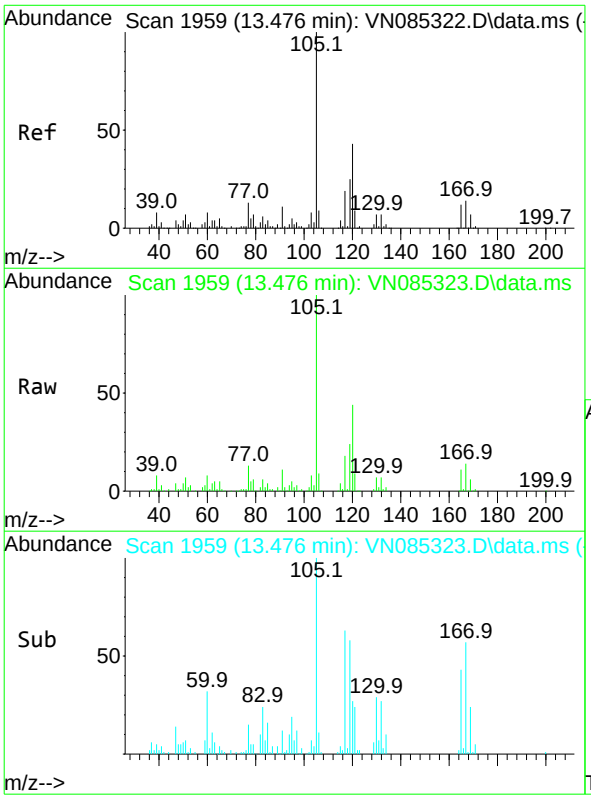
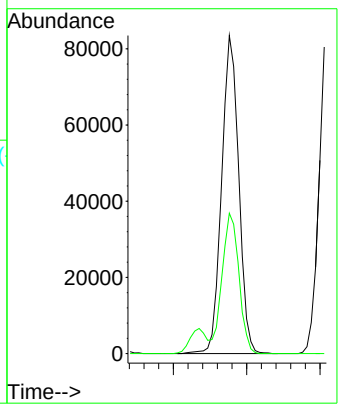
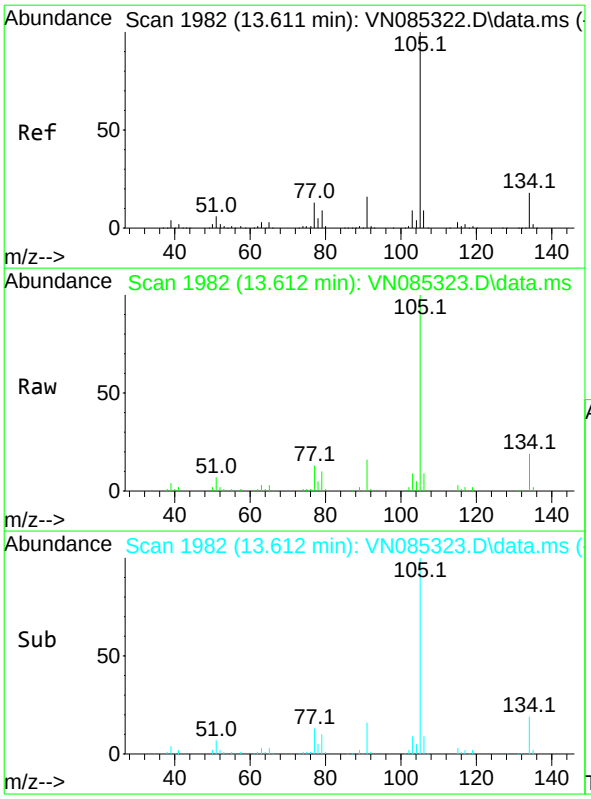


#84
1,2,4-Trimethylbenzene
Concen: 23.107 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 135046

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.7	65.1

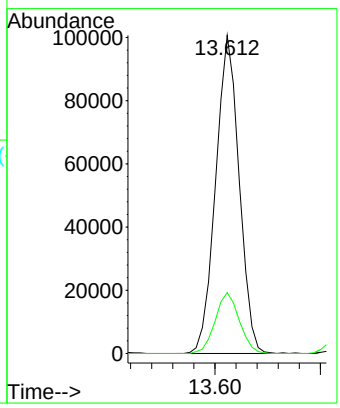




#85
sec-Butylbenzene
Concen: 22.026 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 155451

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
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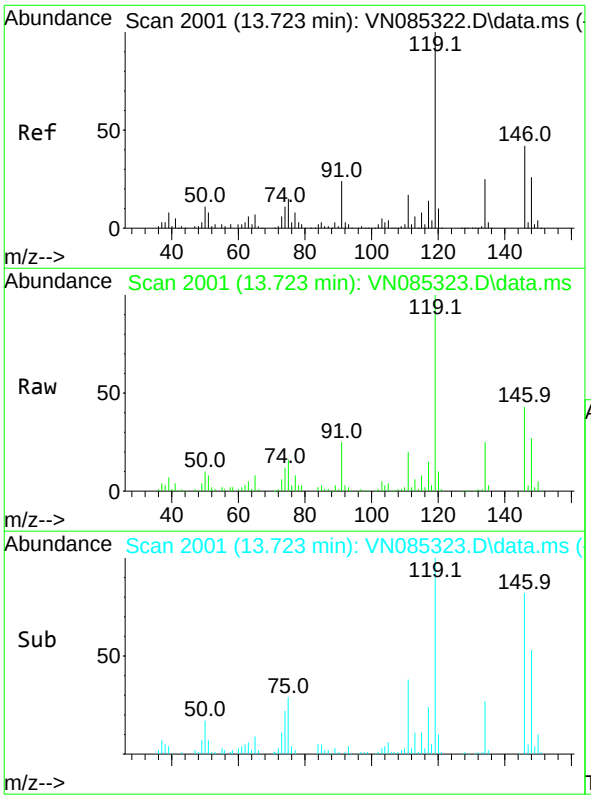
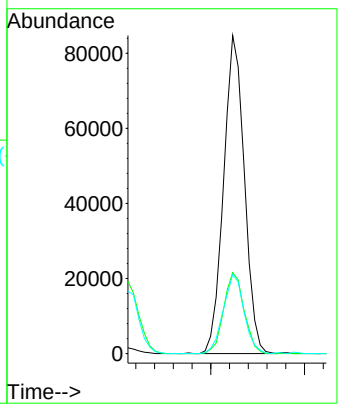
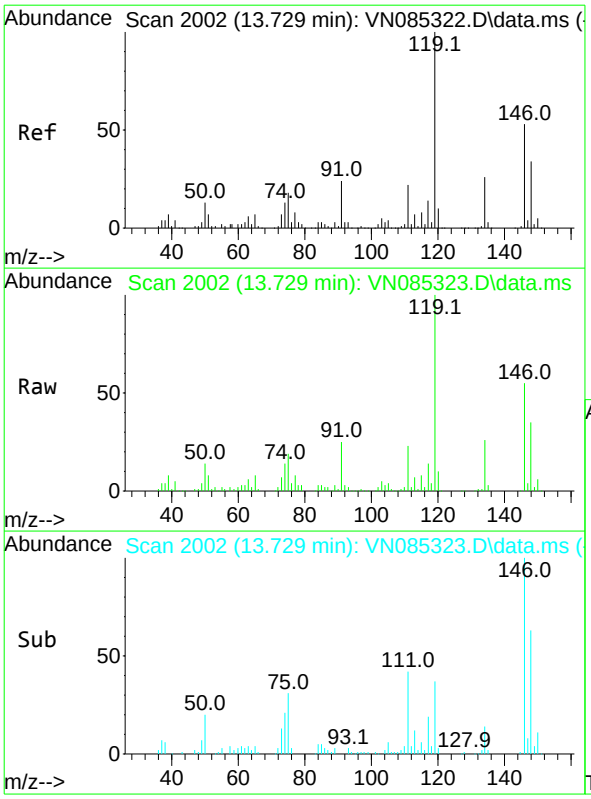


#86
p-Isopropyltoluene
Concen: 21.487 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:119 Resp: 130425

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.8	12.2	36.4

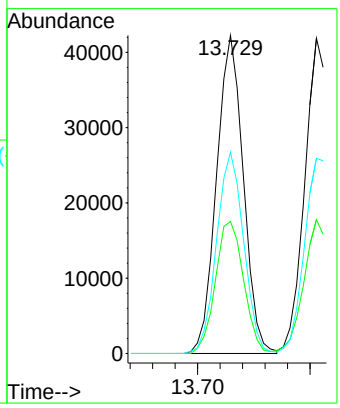




#87
1,3-Dichlorobenzene
Concen: 21.444 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:146 Resp: 69890

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	63.9
148	64.1	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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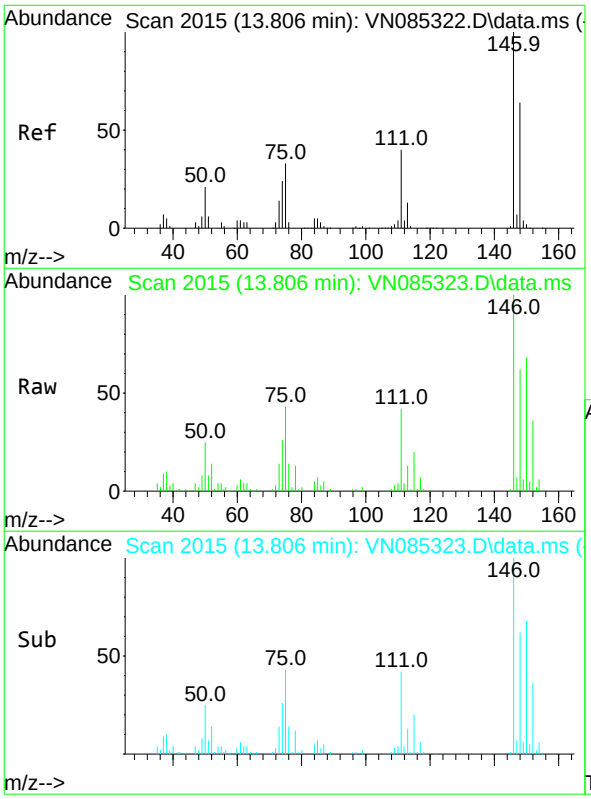
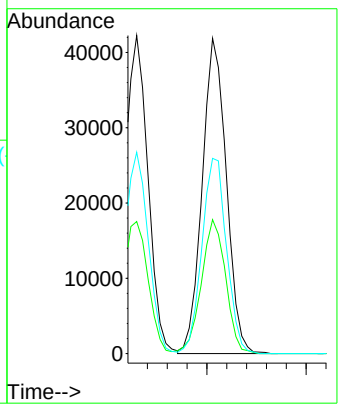
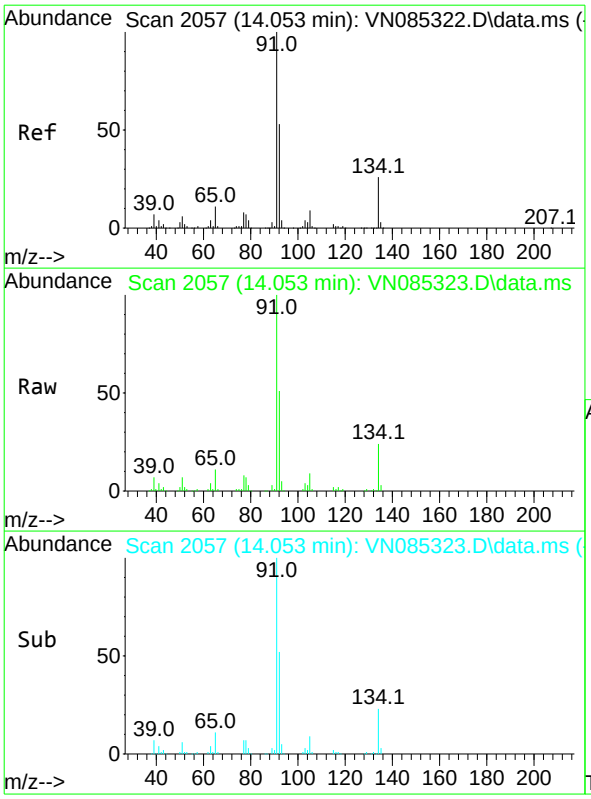


#88
1,4-Dichlorobenzene
Concen: 21.136 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:146 Resp: 70759

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.5
148	63.3	31.7	95.1

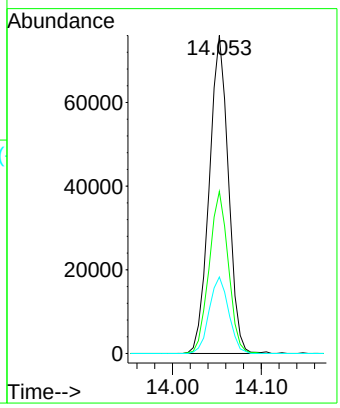




#89
n-Butylbenzene
Concen: 22.006 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 113729

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	24.4	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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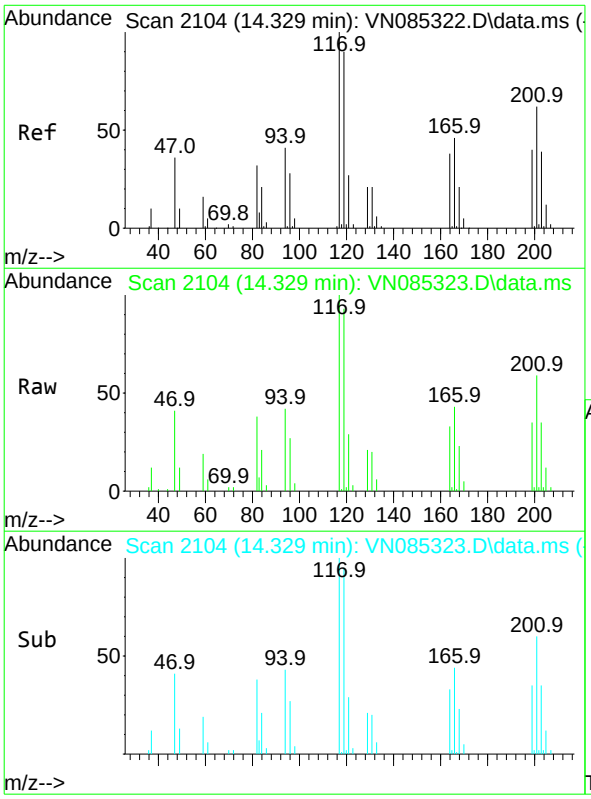
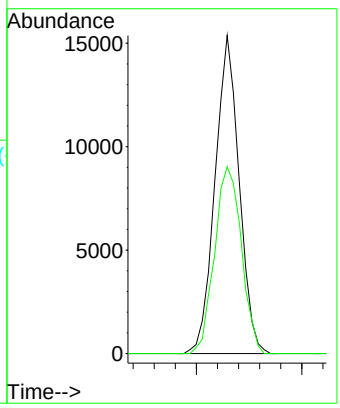
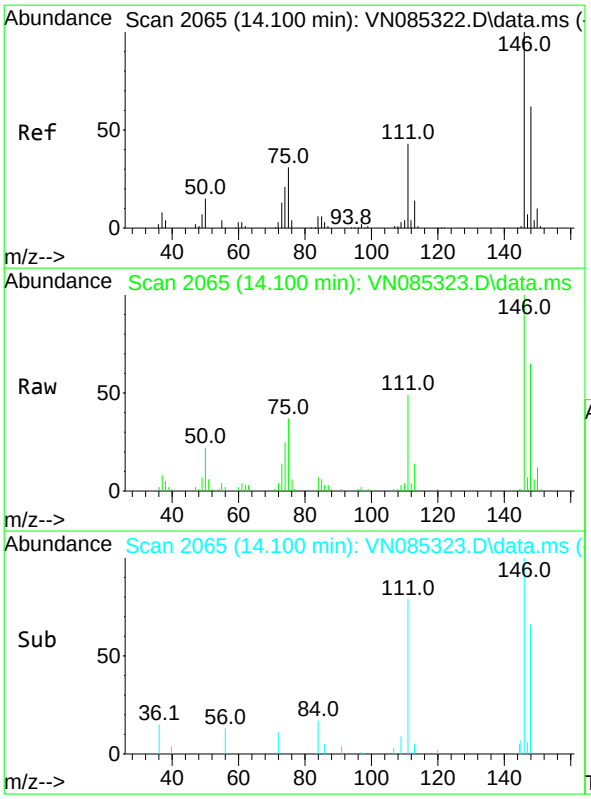


#90
Hexachloroethane
Concen: 21.128 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:117 Resp: 24441

Ion	Ratio	Lower	Upper
117	100		
201	65.2	30.7	92.1

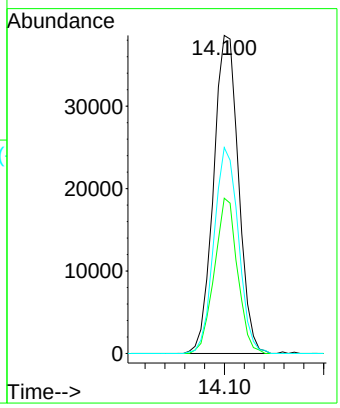




#91
1,2-Dichlorobenzene
Concen: 21.735 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:146 Resp: 67480

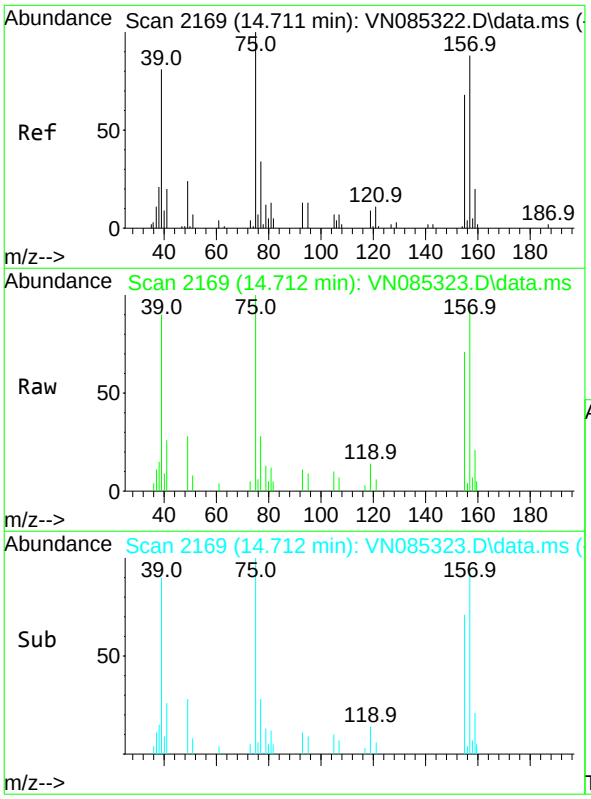
Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.8	65.3
148	63.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

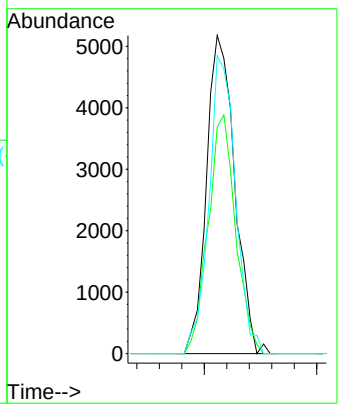
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

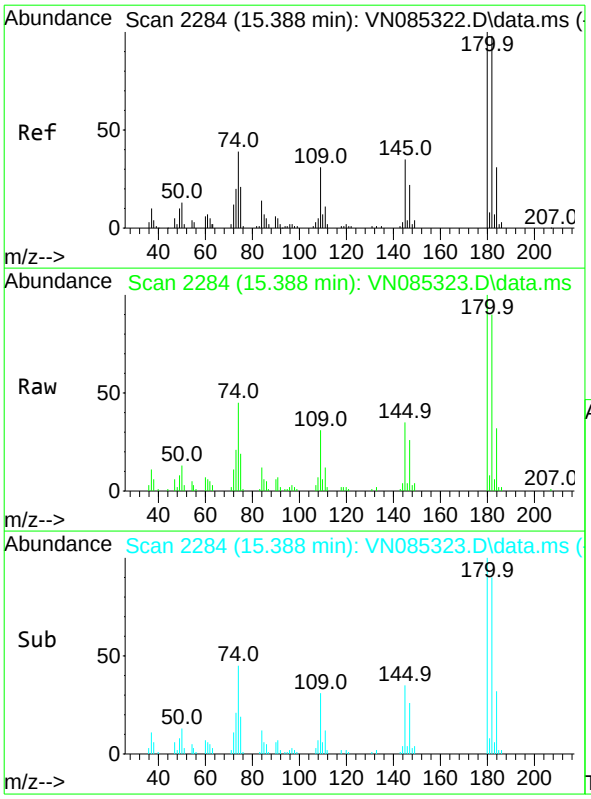


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.954 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 9030

Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.6	106.9
157	88.0	47.0	141.0

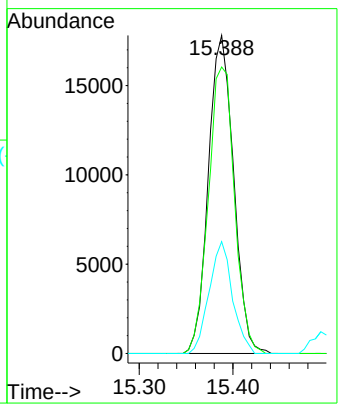




#93
1,2,4-Trichlorobenzene
Concen: 21.491 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:180 Resp: 33300

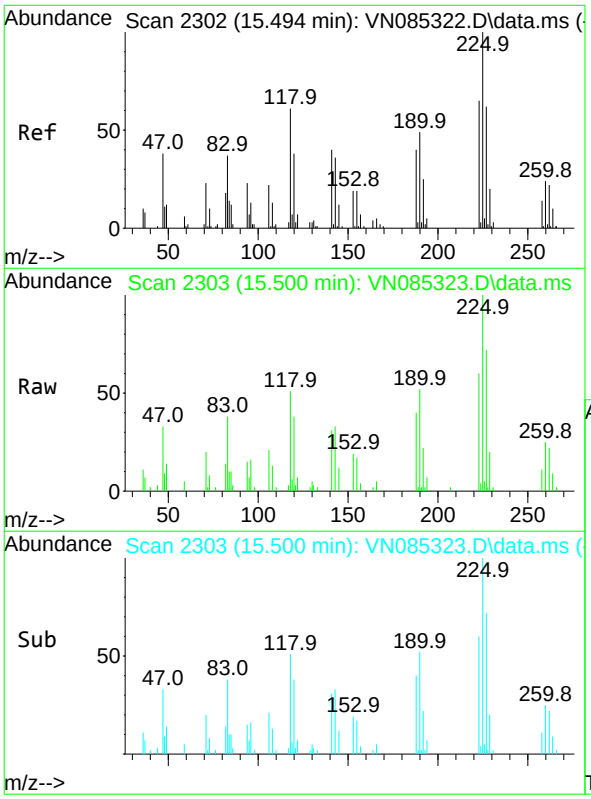
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.2	141.6
145	32.5	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

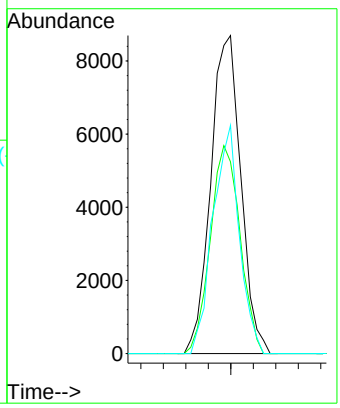
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

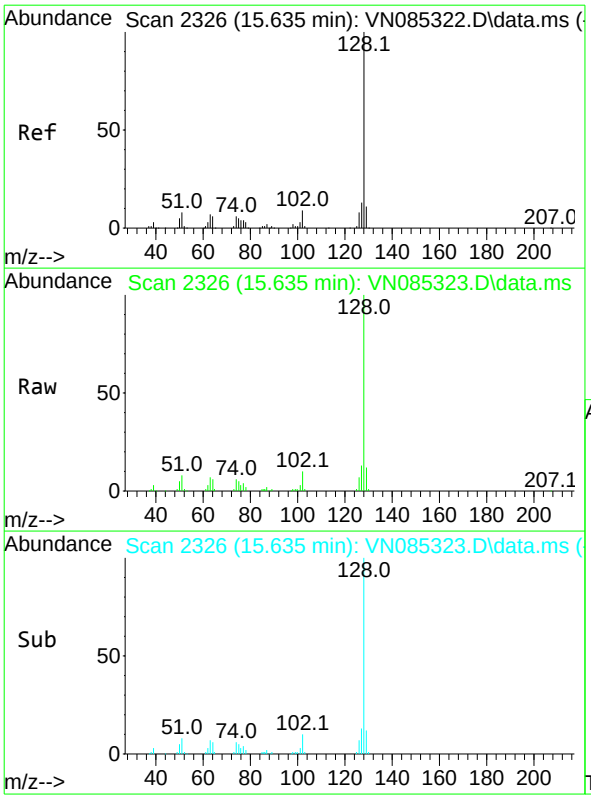


#94
Hexachlorobutadiene
Concen: 20.980 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:225 Resp: 16152

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.7
227	63.2	30.3	91.0

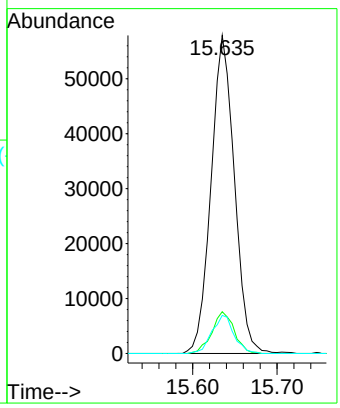




#95
Naphthalene
Concen: 21.170 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:128 Resp: 111233

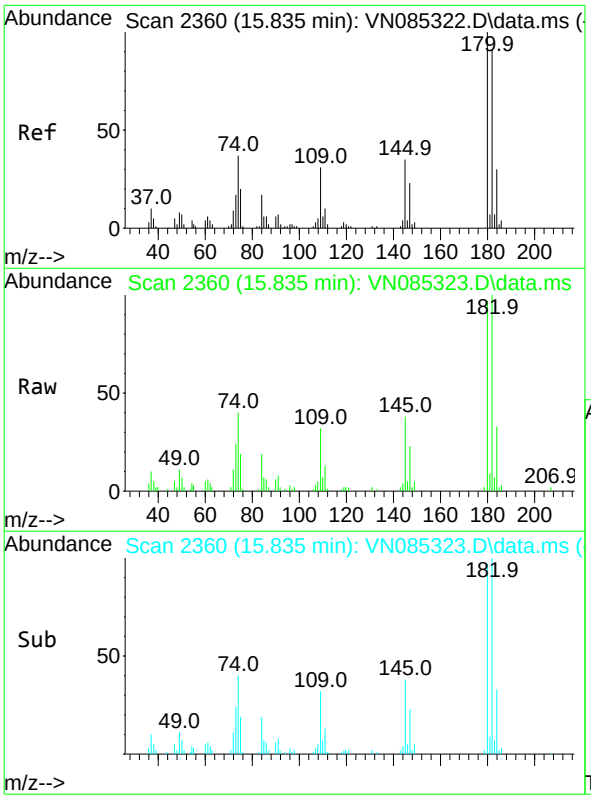
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.3	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

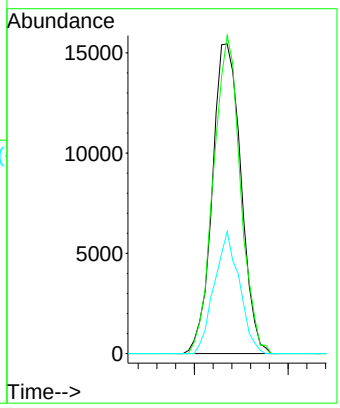
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 21.140 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:180 Resp: 32729

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.8	140.4
145	34.6	17.2	51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	139803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	19346	9.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 19.400%#			
35) Dibromofluoromethane	8.159	113	15144	9.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.480%#			
50) Toluene-d8	10.565	98	53607	9.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 18.780%#			
62) 4-Bromofluorobenzene	12.841	95	17328	9.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 18.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	19552	10.341	ug/l	97
3) Chloromethane	2.359	50	20670	9.727	ug/l #	88
4) Vinyl Chloride	2.518	62	21838	9.717	ug/l	95
5) Bromomethane	2.965	94	15112	10.281	ug/l	84
6) Chloroethane	3.130	64	14417	10.115	ug/l	97
7) Trichlorofluoromethane	3.495	101	30029	10.165	ug/l	90
8) Diethyl Ether	3.965	74	10096	10.321	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	17168	10.214	ug/l	99
10) Methyl Iodide	4.589	142	18635	9.579	ug/l #	90
11) Tert butyl alcohol	5.506	59	12805	51.284	ug/l	96
12) 1,1-Dichloroethene	4.342	96	15070	9.700	ug/l	90
13) Acrolein	4.183	56	19853	50.999	ug/l	98
14) Allyl chloride	5.030	41	25157	10.118	ug/l	95
15) Acrylonitrile	5.718	53	39955	50.842	ug/l	97
16) Acetone	4.424	43	32542	49.631	ug/l	92
17) Carbon Disulfide	4.712	76	44938	9.508	ug/l	98
18) Methyl Acetate	5.018	43	20355	10.140	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	50046	9.911	ug/l	94
20) Methylene Chloride	5.277	84	17446	9.892	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	15908	9.802	ug/l	96
22) Diisopropyl ether	6.665	45	53406	9.967	ug/l	99
23) Vinyl Acetate	6.600	43	189768m	49.267	ug/l	
24) 1,1-Dichloroethane	6.565	63	31897	9.883	ug/l	99
25) 2-Butanone	7.482	43	50628	49.771	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27809	9.834	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	18276	9.595	ug/l	91
28) Bromochloromethane	7.812	49	14957	9.972	ug/l #	99
29) Tetrahydrofuran	7.835	42	33255	50.752	ug/l	98
30) Chloroform	7.959	83	32453	9.828	ug/l	99
31) Cyclohexane	8.253	56	29511	10.013	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	29271	9.926	ug/l	93
36) 1,1-Dichloropropene	8.365	75	22034	9.675	ug/l	99
37) Ethyl Acetate	7.559	43	23298	10.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	24491	9.866	ug/l	99
39) Methylcyclohexane	9.600	83	22448	9.500	ug/l	98
40) Benzene	8.600	78	67603	9.818	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	12091	10.429	ug/l		95
42) 1,2-Dichloroethane	8.671	62	24635	9.979	ug/l		100
43) Isopropyl Acetate	8.682	43	35967	9.650	ug/l		98
44) Trichloroethene	9.347	130	15441	9.472	ug/l		99
45) 1,2-Dichloropropane	9.618	63	17511	10.018	ug/l		99
46) Dibromomethane	9.706	93	12378	10.182	ug/l		98
47) Bromodichloromethane	9.882	83	25444	10.070	ug/l		94
48) Methyl methacrylate	9.676	41	15633	9.666	ug/l		97
49) 1,4-Dioxane	9.688	88	5366	219.898	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	106569	50.877	ug/l		100
52) Toluene	10.629	92	40396	9.853	ug/l		97
53) t-1,3-Dichloropropene	10.829	75	24100	9.699	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	26207	9.754	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	14839	9.586	ug/l		90
56) Ethyl methacrylate	10.871	69	22666	10.054	ug/l		99
57) 1,3-Dichloropropane	11.159	76	26800	9.864	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	57793	52.985	ug/l		100
59) 2-Hexanone	11.188	43	73420	50.521	ug/l		100
60) Dibromochloromethane	11.353	129	17232	9.884	ug/l		99
61) 1,2-Dibromoethane	11.465	107	15412	10.064	ug/l		98
64) Tetrachloroethene	11.094	164	14273	10.457	ug/l		97
65) Chlorobenzene	11.888	112	44413	9.541	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.953	131	15107	9.670	ug/l		98
67) Ethyl Benzene	11.959	91	73883	9.544	ug/l		97
68) m/p-Xylenes	12.065	106	54643	19.288	ug/l		98
69) o-Xylene	12.400	106	26323	9.605	ug/l		95
70) Styrene	12.406	104	41517	9.347	ug/l		97
71) Bromoform	12.570	173	10628	9.822	ug/l	#	96
73) Isopropylbenzene	12.694	105	65872	10.000	ug/l		98
74) N-amyl acetate	12.488	43	27209	9.650	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	21045	10.031	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	17525m	9.959	ug/l		
77) Bromobenzene	12.976	156	16311	9.995	ug/l		97
78) n-propylbenzene	13.029	91	78022	10.161	ug/l		98
79) 2-Chlorotoluene	13.123	91	49236	10.189	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	54193	10.171	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	6879m	9.676	ug/l		
82) 4-Chlorotoluene	13.217	91	48752	10.017	ug/l		100
83) tert-Butylbenzene	13.435	119	45946	9.955	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	53034	9.996	ug/l		97
85) sec-Butylbenzene	13.612	105	64824	10.118	ug/l		100
86) p-Isopropyltoluene	13.723	119	52240	9.726	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	28481	9.627	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	29343	9.656	ug/l		95
89) n-Butylbenzene	14.053	91	44284	9.440	ug/l		99
90) Hexachloroethane	14.329	117	10091	9.609	ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	29163	10.348	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3666	9.818	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	13416	9.538	ug/l		97
94) Hexachlorobutadiene	15.500	225	6870	9.830	ug/l		98
95) Naphthalene	15.641	128	44712	9.374	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	14070	10.012	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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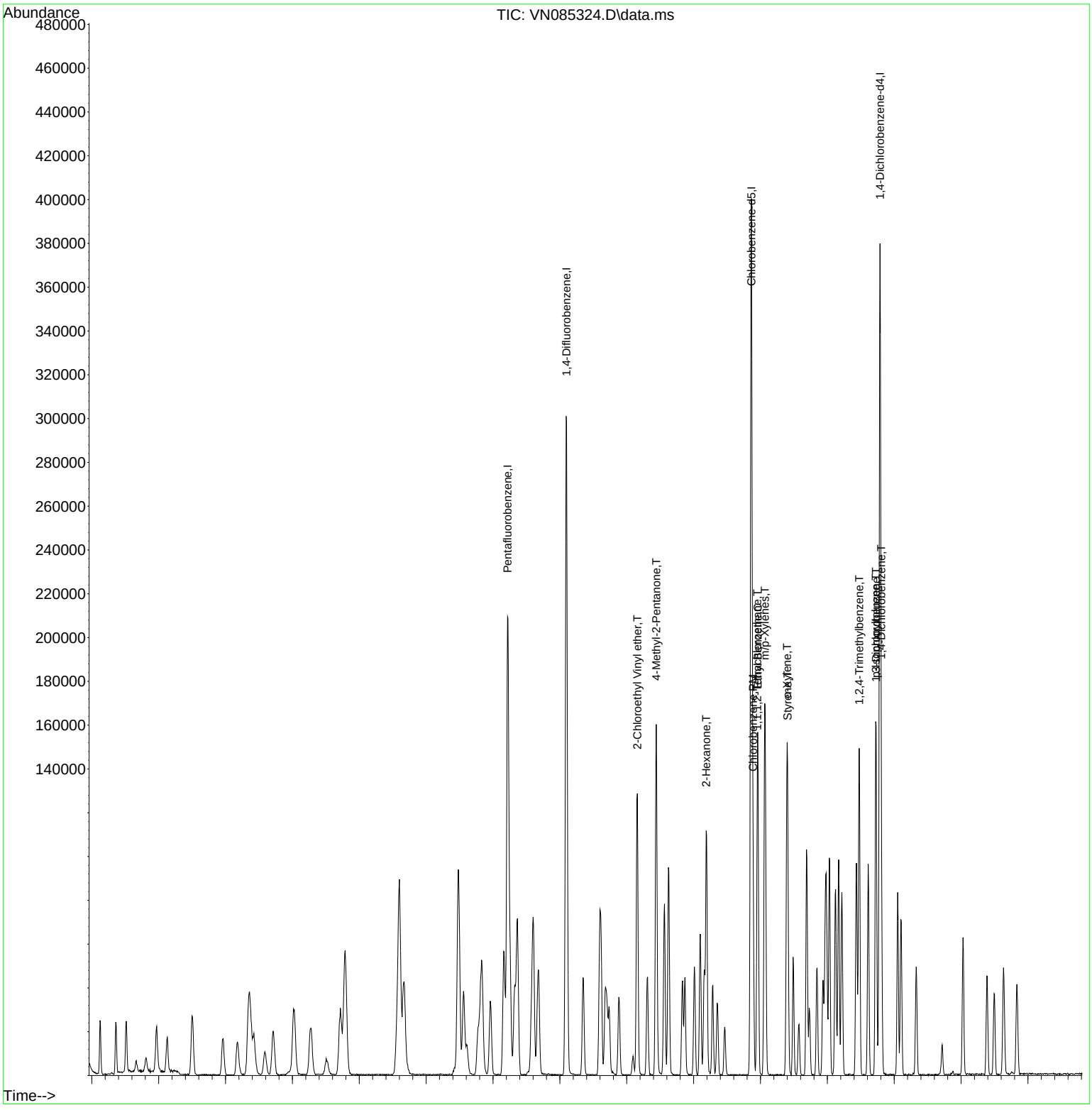
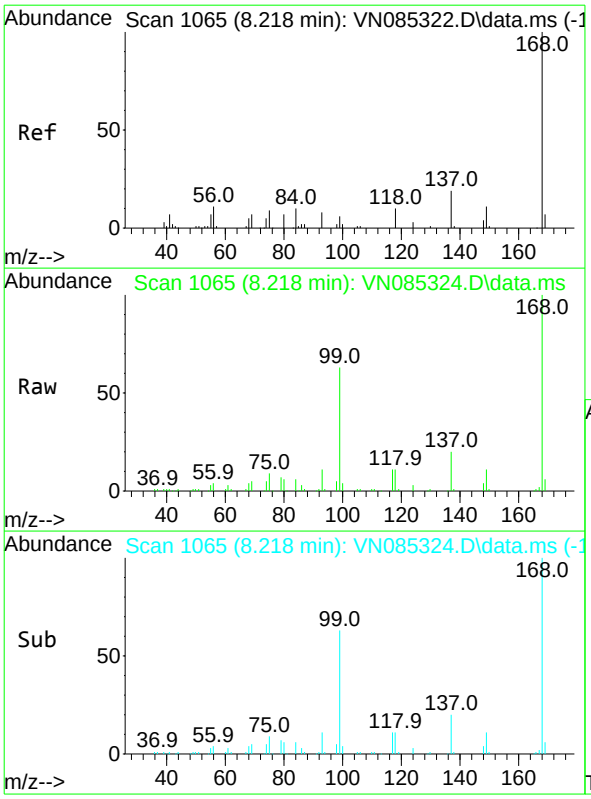
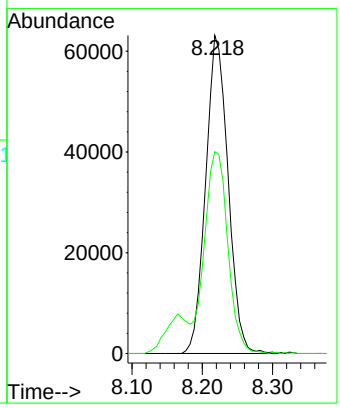




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:168 Resp: 139803

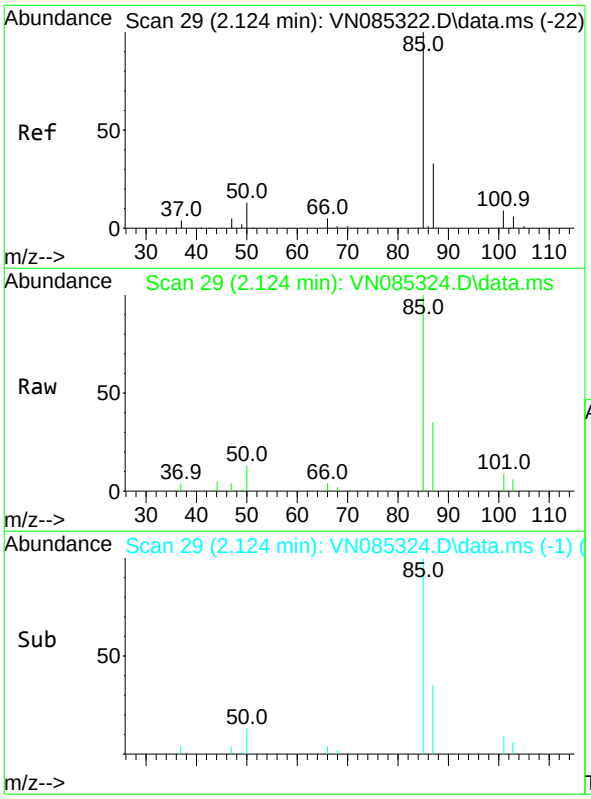
Ion	Ratio	Lower	Upper
168	100		
99	63.1	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

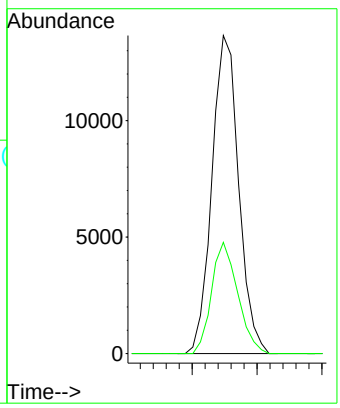
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

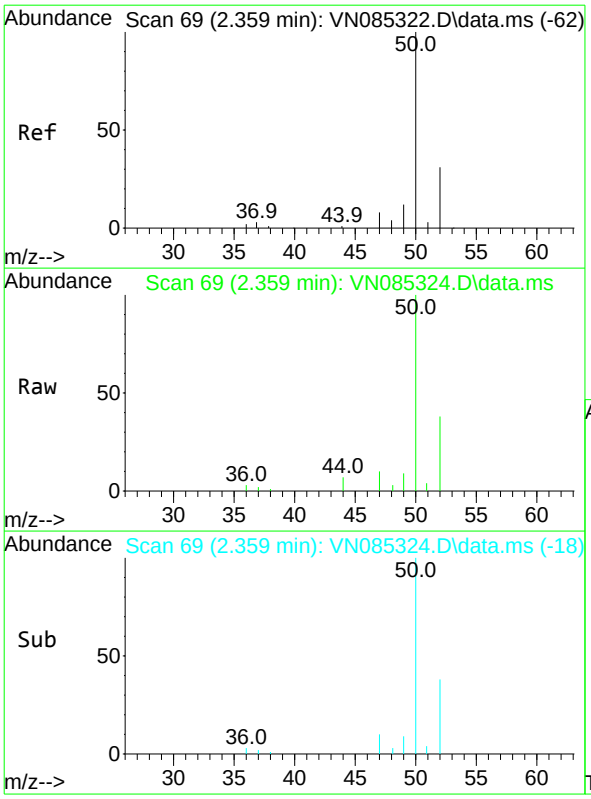


#2
Dichlorodifluoromethane
Concen: 10.341 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 85 Resp: 19552

Ion	Ratio	Lower	Upper
85	100		
87	35.0	16.8	50.3

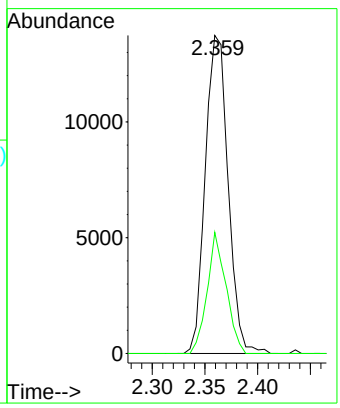




#3
Chloromethane
Concen: 9.727 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 50 Resp: 20670

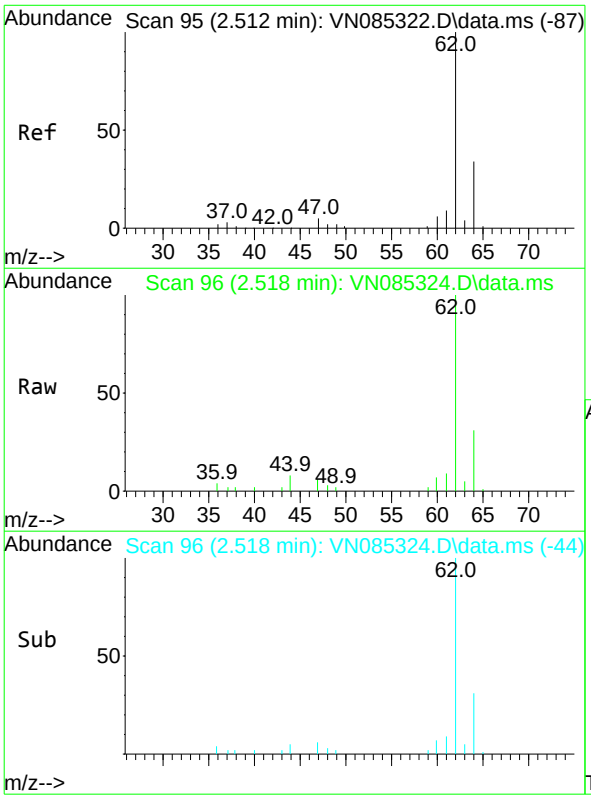
Ion	Ratio	Lower	Upper
50	100		
52	38.1	25.1	37.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

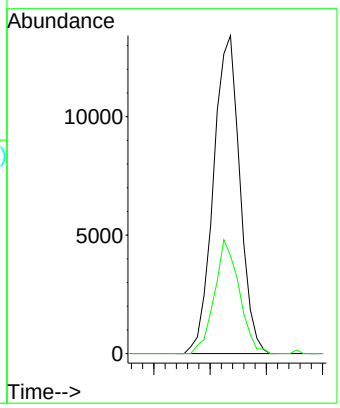
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

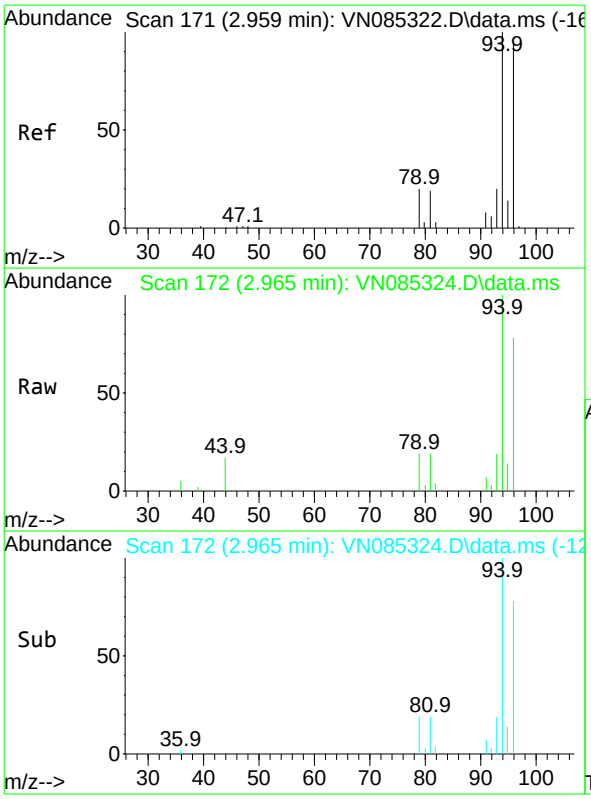


#4
Vinyl Chloride
Concen: 9.717 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 62 Resp: 21838

Ion	Ratio	Lower	Upper
62	100		
64	30.7	27.0	40.6

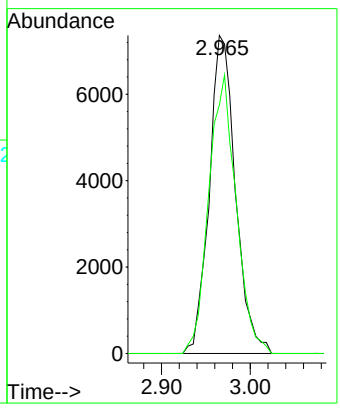




#5
Bromomethane
Concen: 10.281 ug/l
RT: 2.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 94 Resp: 15112

Ion	Ratio	Lower	Upper
94	100		
96	78.1	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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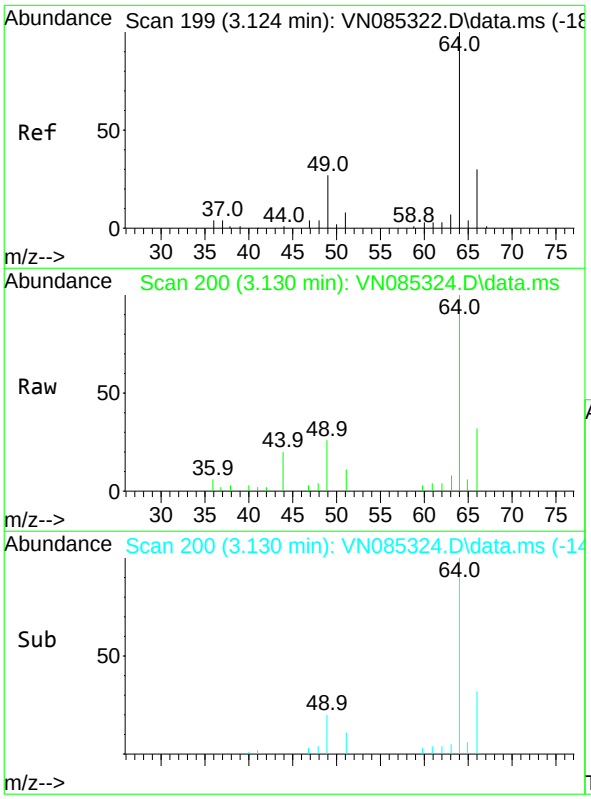
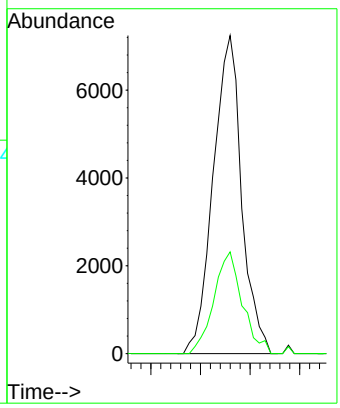
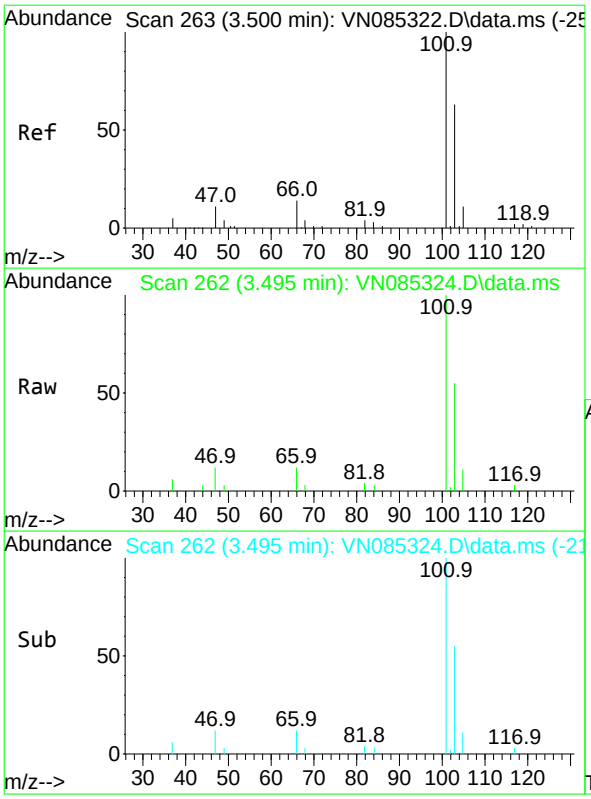


#6
Chloroethane
Concen: 10.115 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 64 Resp: 14417

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.1	36.1

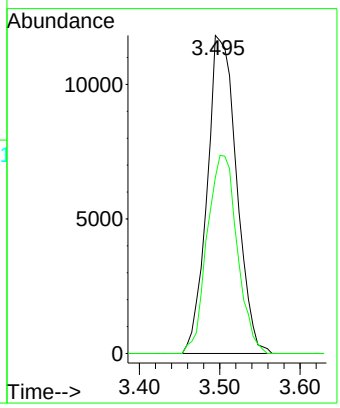




#7
Trichlorofluoromethane
Concen: 10.165 ug/l
RT: 3.495 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:101 Resp: 30029

Ion	Ratio	Lower	Upper
101	100		
103	55.4	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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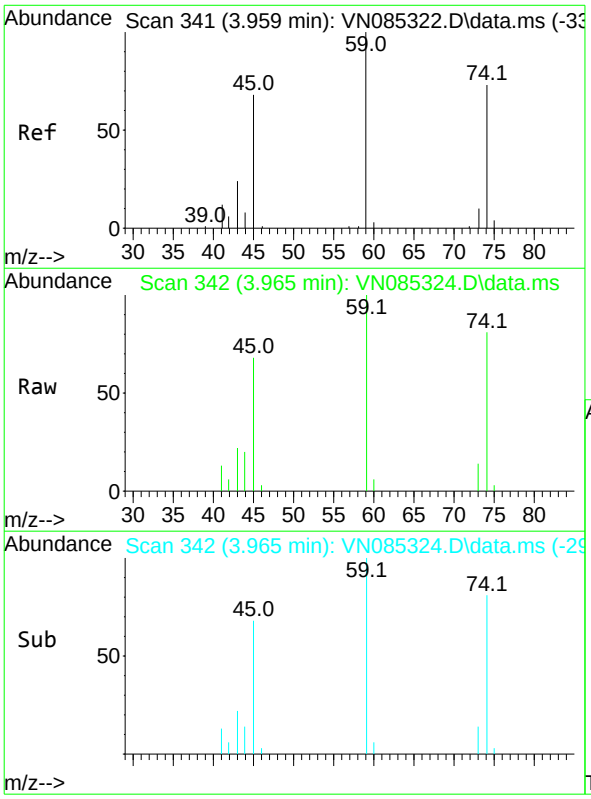
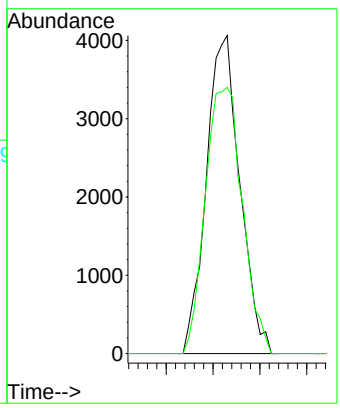
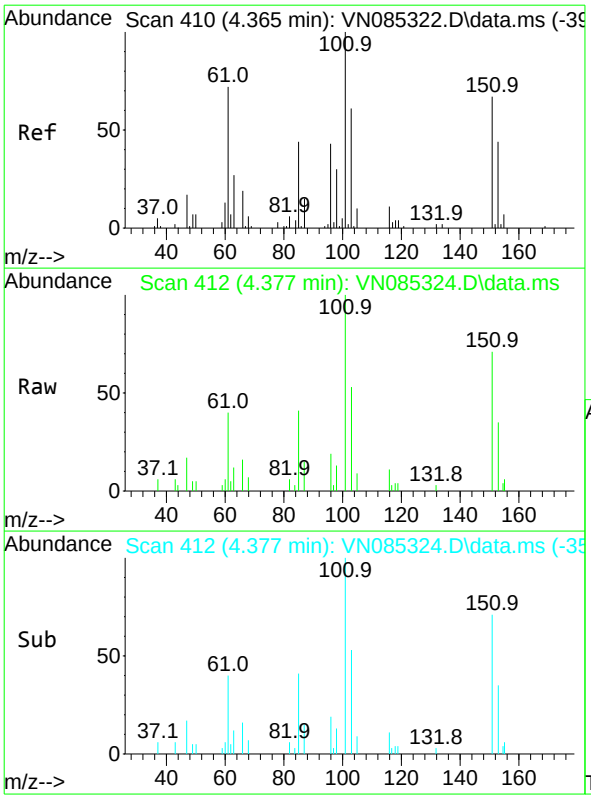


#8
Diethyl Ether
Concen: 10.321 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 74 Resp: 10096

Ion	Ratio	Lower	Upper
74	100		
45	92.6	47.5	142.6

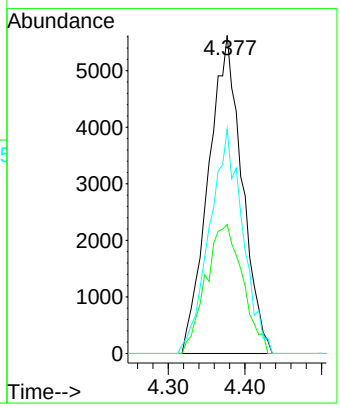




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.214 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:101 Resp: 17168

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	69.6	55.8	83.6



Instrument :
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ClientSampleId :
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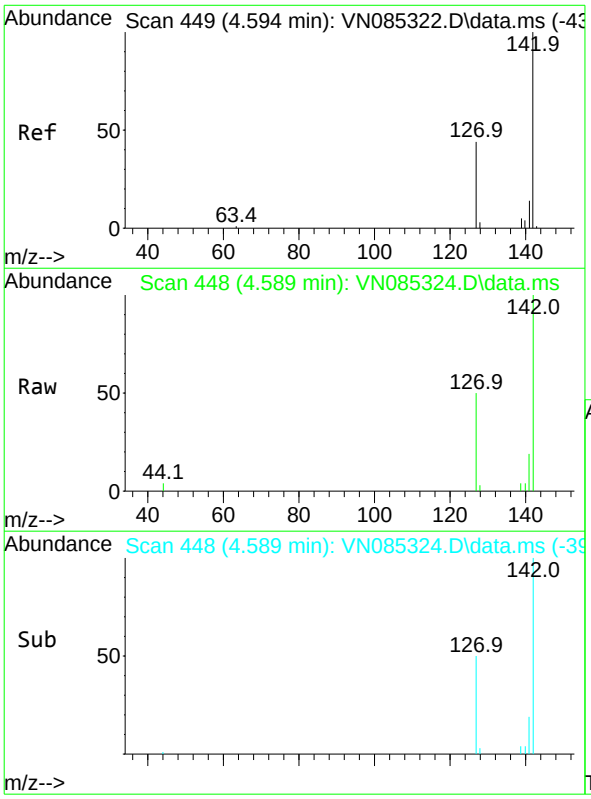
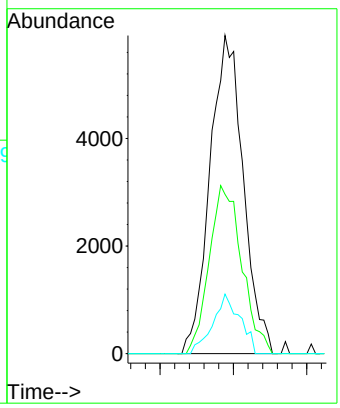
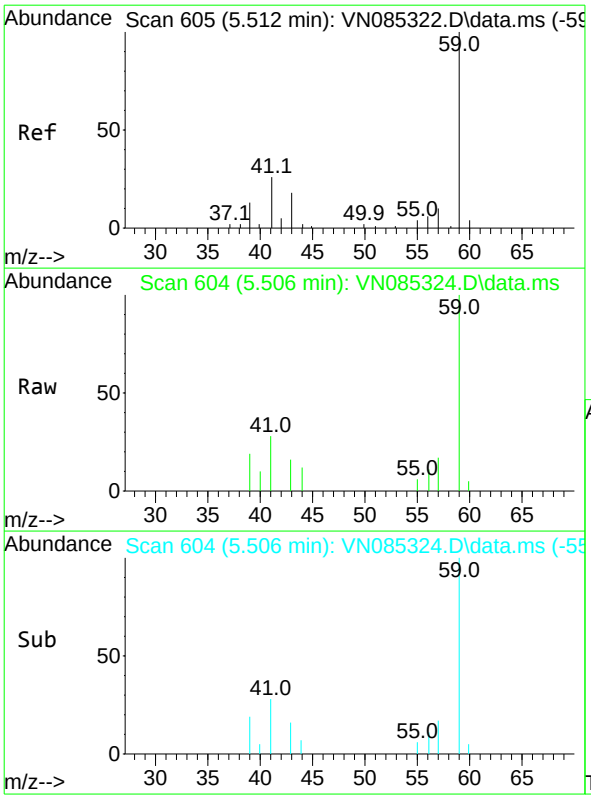


#10
Methyl Iodide
Concen: 9.579 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:142 Resp: 18635

Ion	Ratio	Lower	Upper
142	100		
127	50.1	35.3	52.9
141	18.7	11.5	17.3#

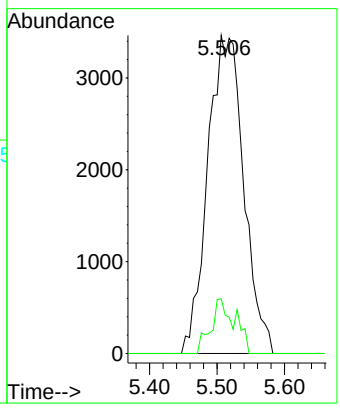




#11
Tert butyl alcohol
Concen: 51.284 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 59 Resp: 12805

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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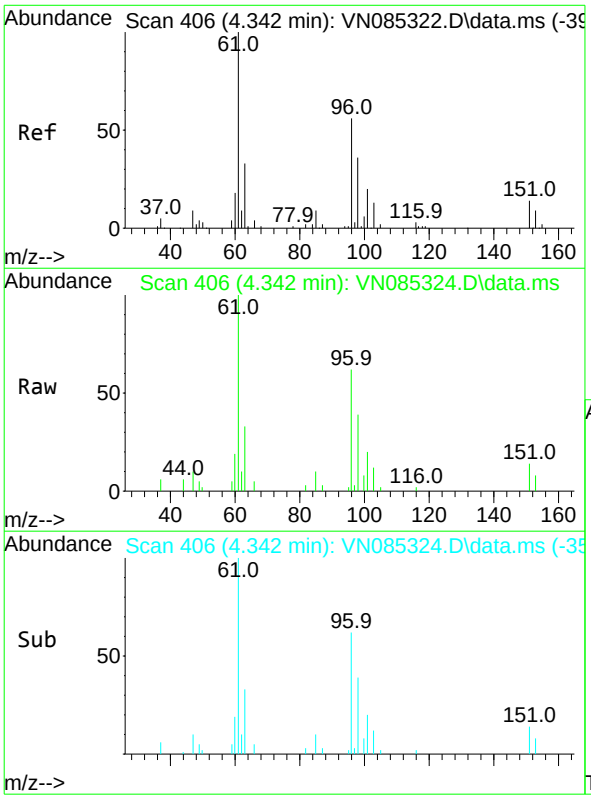
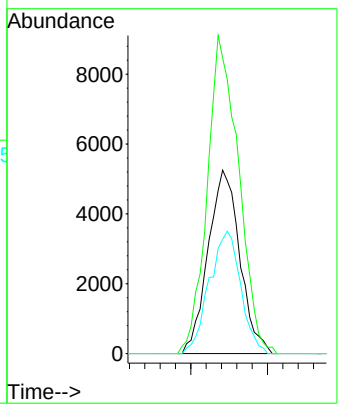
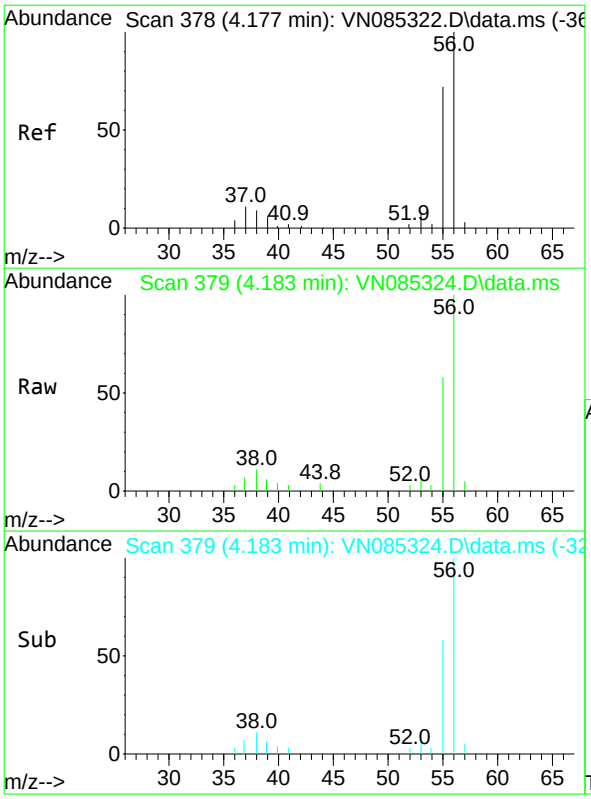


#12
1,1-Dichloroethene
Concen: 9.700 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 96 Resp: 15070

Ion	Ratio	Lower	Upper
96	100		
61	161.1	142.4	213.6
98	62.3	51.5	77.3

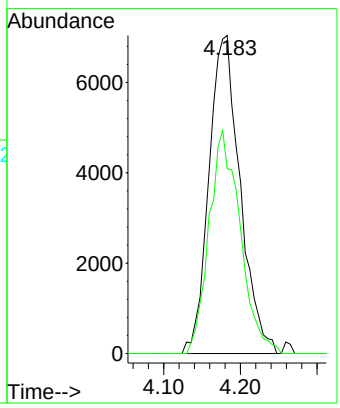




#13
Acrolein
Concen: 50.999 ug/l
RT: 4.183 min Scan# 37
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 56 Resp: 19853

Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
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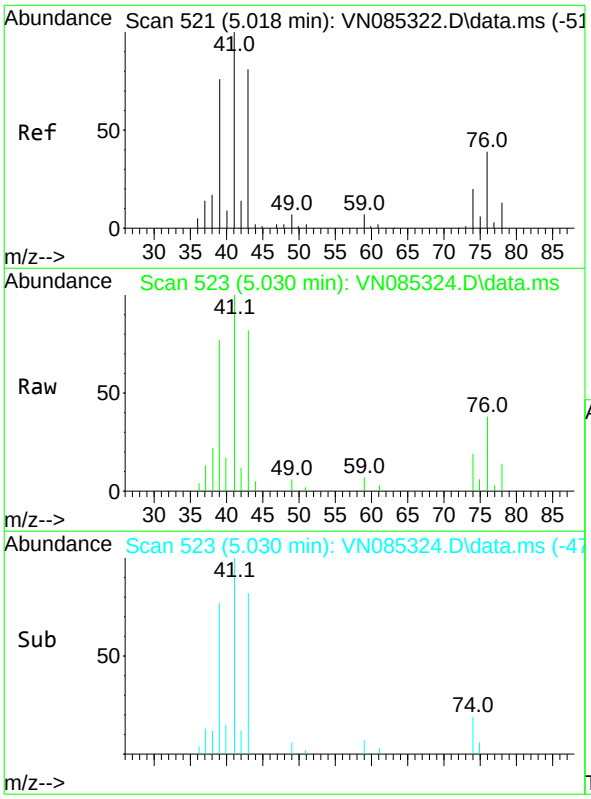
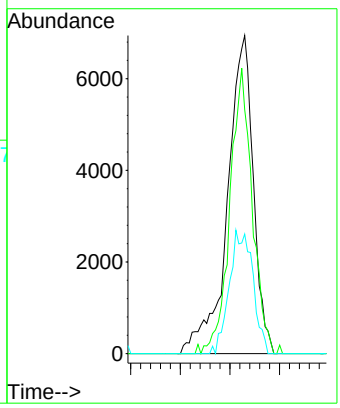
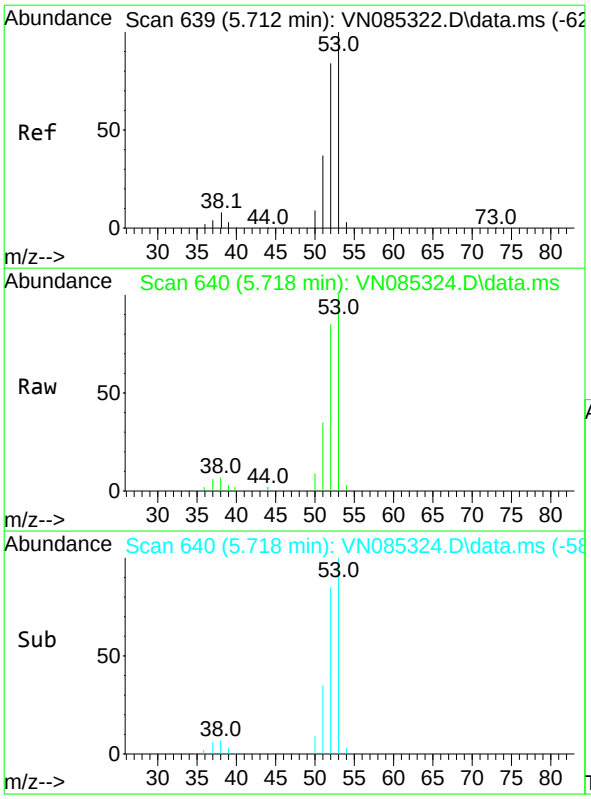


#14
Allyl chloride
Concen: 10.118 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 41 Resp: 25157

Ion	Ratio	Lower	Upper
41	100		
39	76.8	64.4	96.6
76	35.2	31.5	47.3

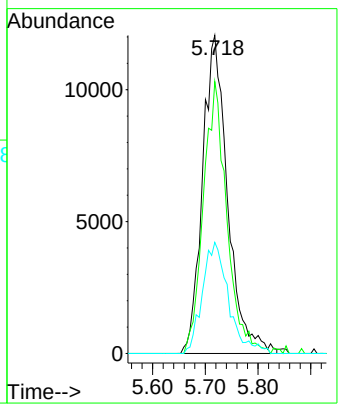




#15
Acrylonitrile
Concen: 50.842 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 53 Resp: 39955

Ion	Ratio	Lower	Upper
53	100		
52	79.7	66.6	100.0
51	36.5	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
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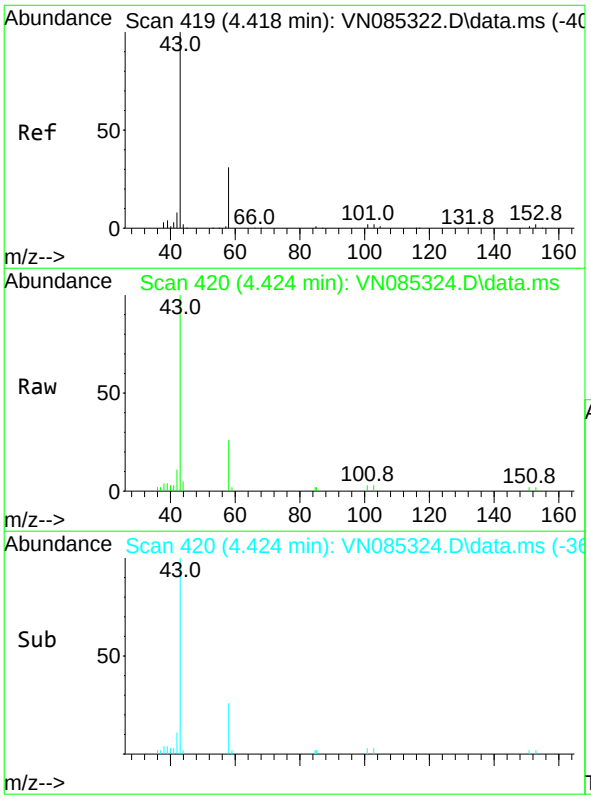
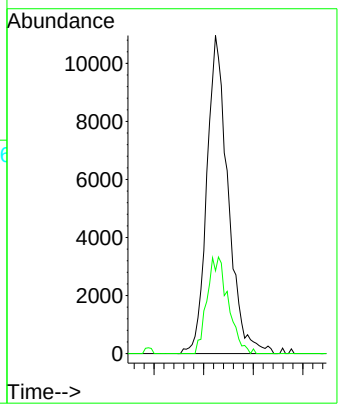
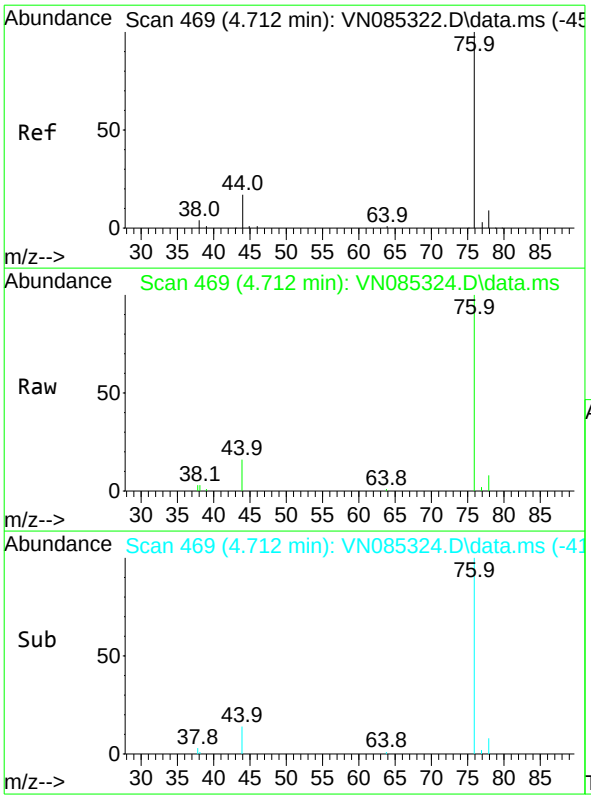


#16
Acetone
Concen: 49.631 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 32542

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.5	36.7

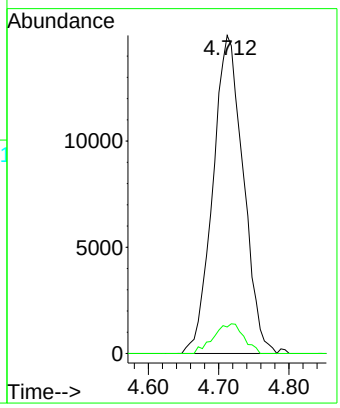




#17
Carbon Disulfide
Concen: 9.508 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 76 Resp: 44938

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
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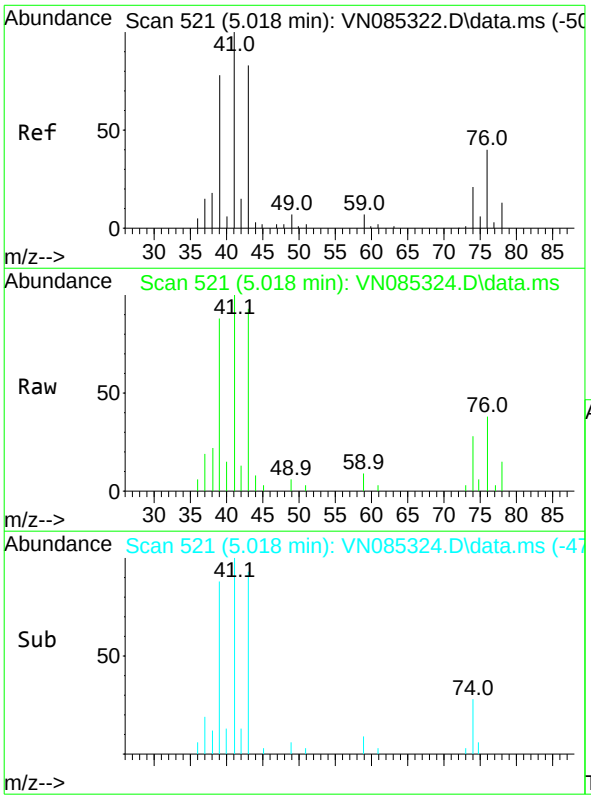
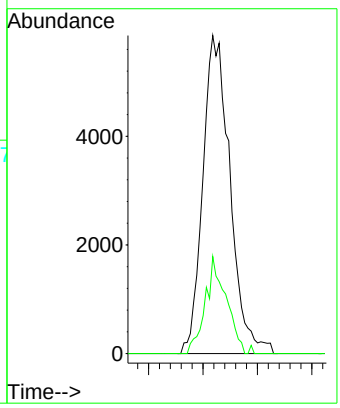
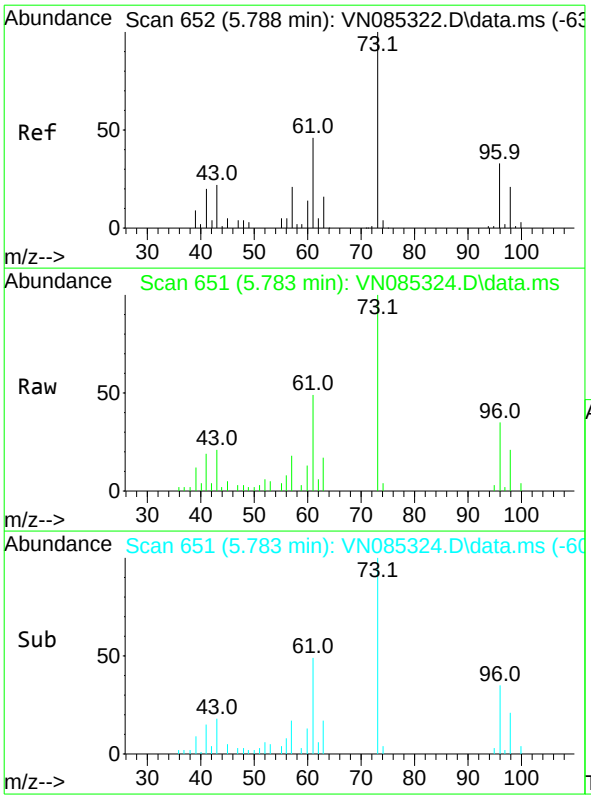


#18
Methyl Acetate
Concen: 10.140 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 20355

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.0	28.6

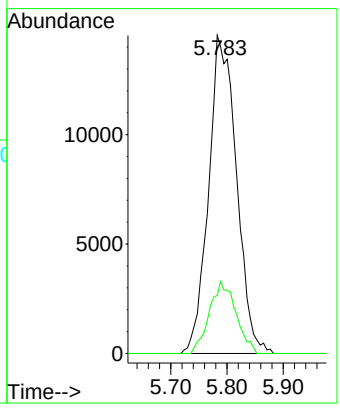




#19
Methyl tert-butyl Ether
Concen: 9.911 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 73 Resp: 50046

Ion	Ratio	Lower	Upper
73	100		
57	18.3	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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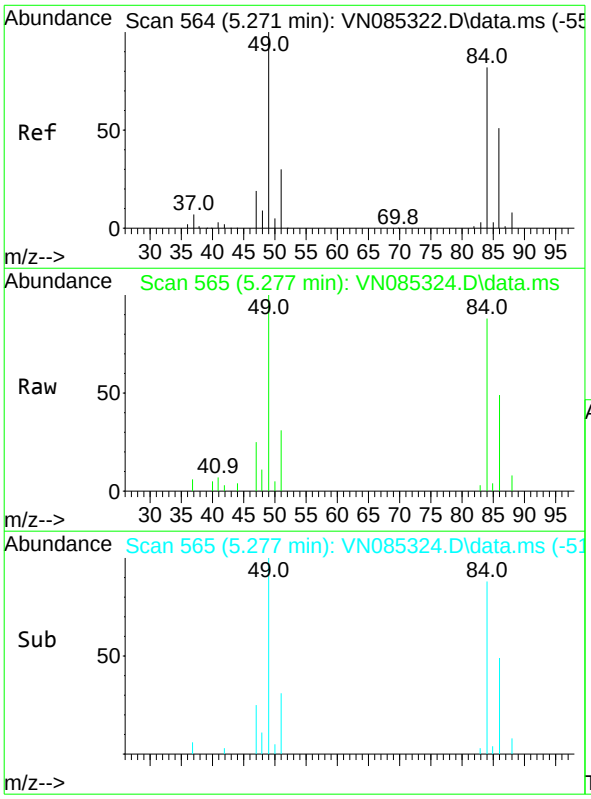
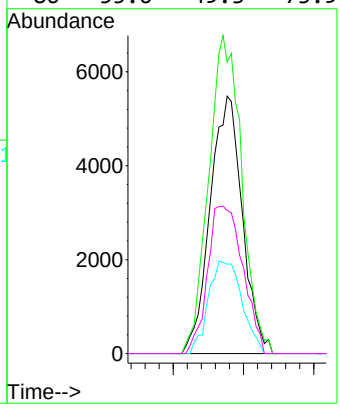
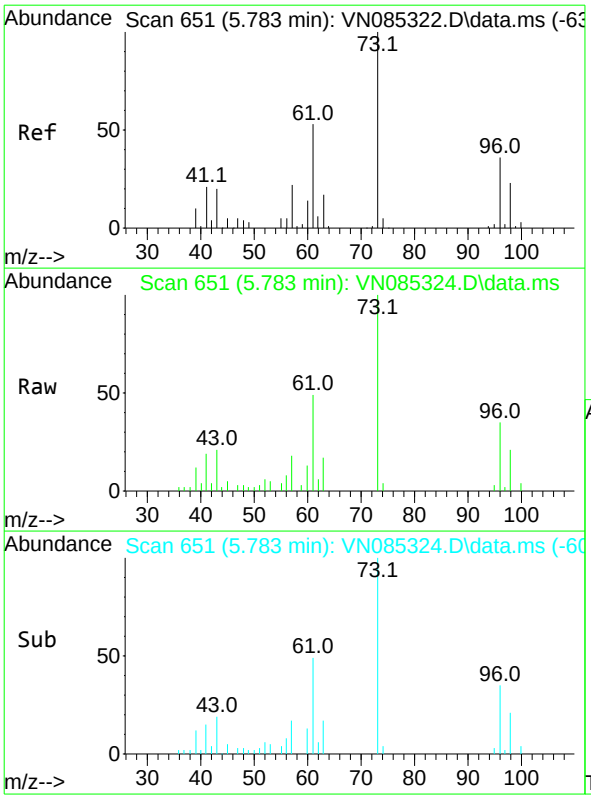


#20
Methylene Chloride
Concen: 9.892 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 84 Resp: 17446

Ion	Ratio	Lower	Upper
84	100		
49	113.2	97.6	146.4
51	34.7	29.1	43.7
86	55.6	49.3	73.9

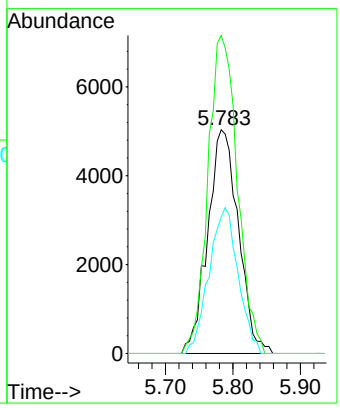




#21
trans-1,2-Dichloroethene
Concen: 9.802 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 96 Resp: 15908

Ion	Ratio	Lower	Upper
96	100		
61	142.2	118.0	177.0
98	61.0	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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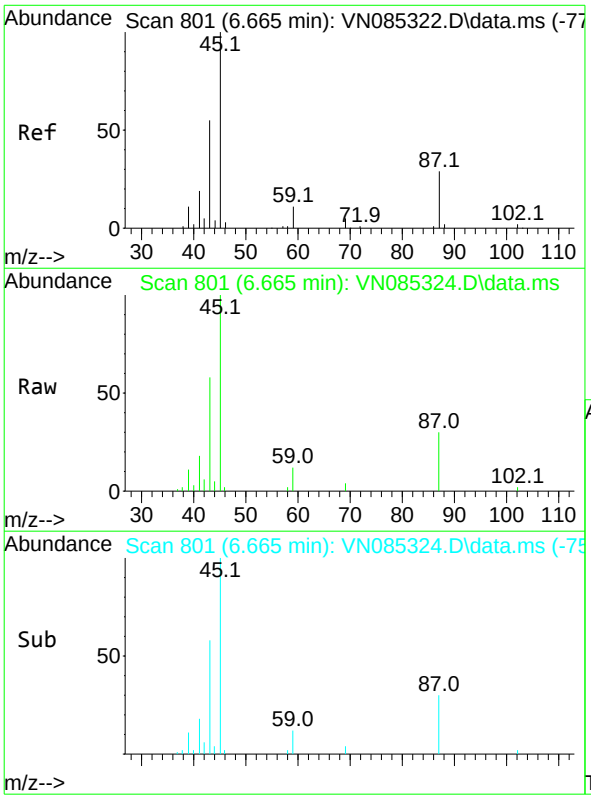
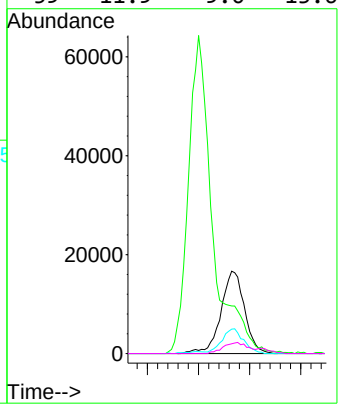
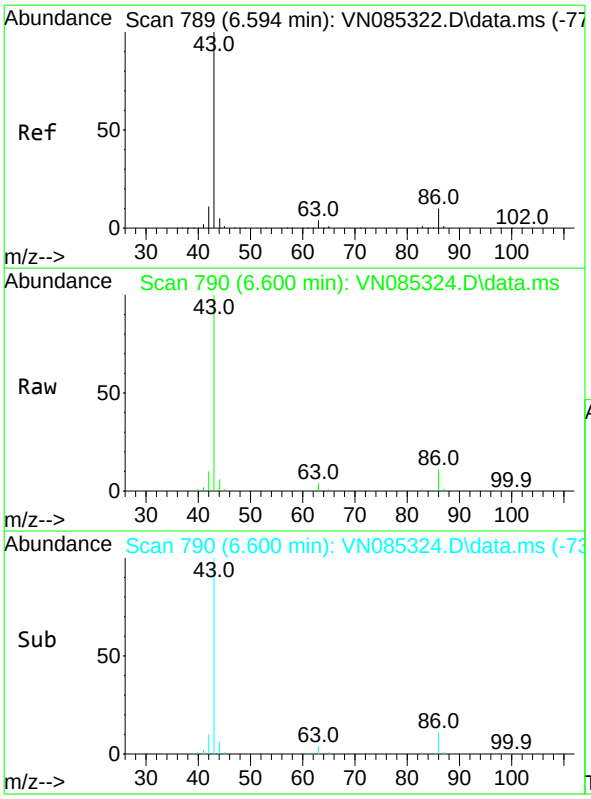


#22
Diisopropyl ether
Concen: 9.967 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 45 Resp: 53406

Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.1	66.1
87	29.7	23.2	34.8
59	11.9	9.0	13.6

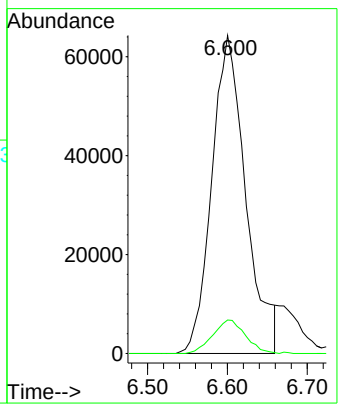




#23
Vinyl Acetate
Concen: 49.267 ug/l m
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 189768

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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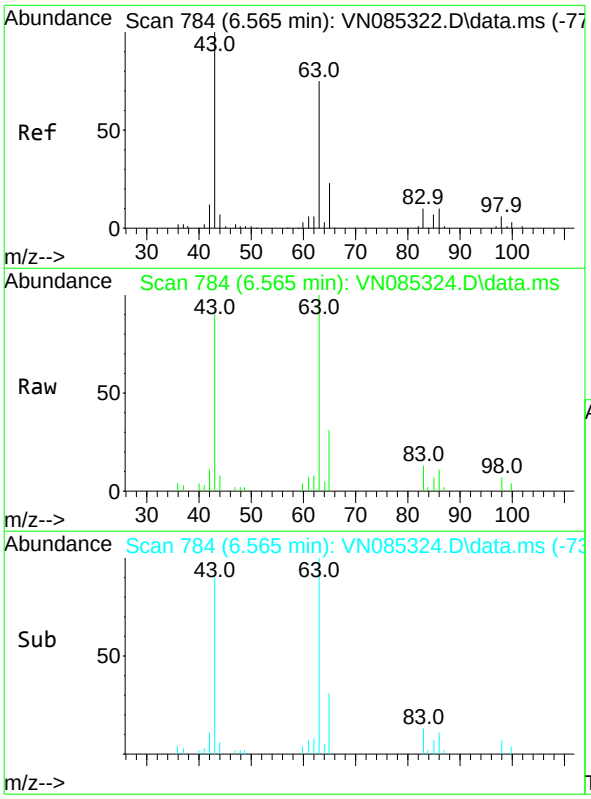
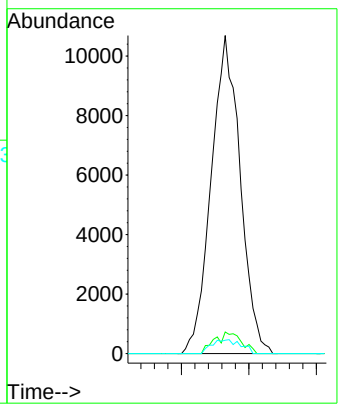
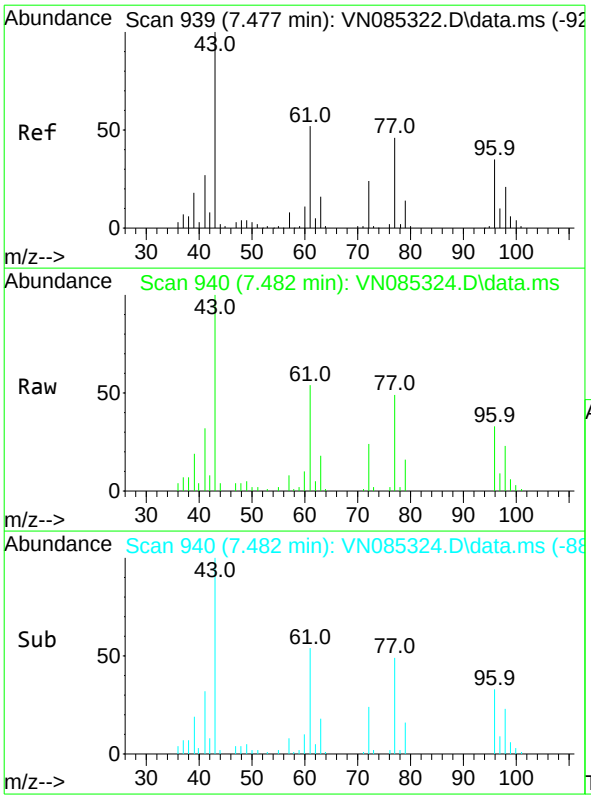


#24
1,1-Dichloroethane
Concen: 9.883 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 63 Resp: 31897

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.2	2.3	6.8

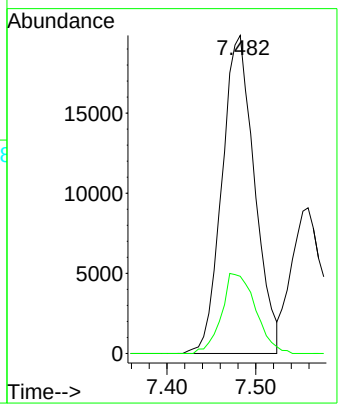




#25
2-Butanone
Concen: 49.771 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 50628

Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.6	29.4



Instrument :
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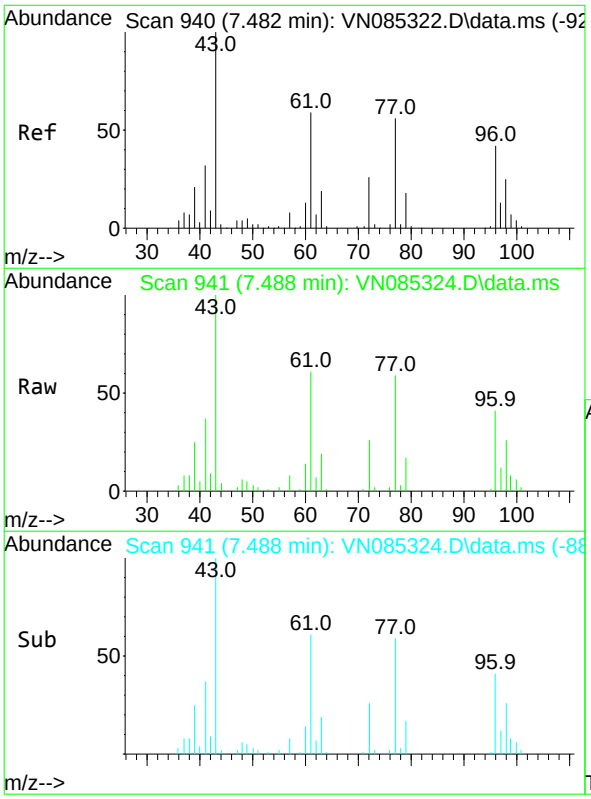
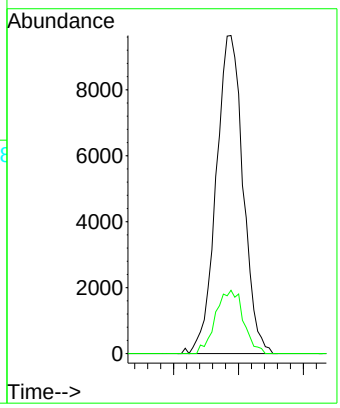
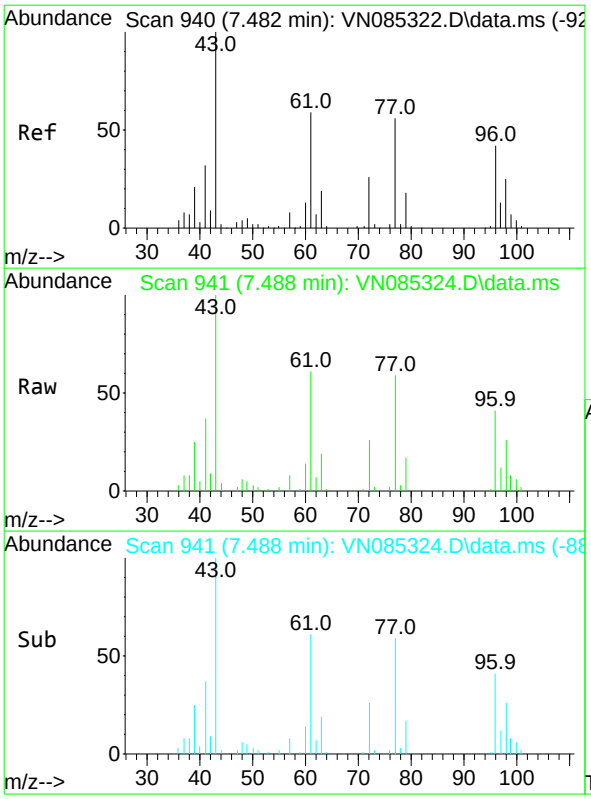


#26
2,2-Dichloropropane
Concen: 9.834 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 77 Resp: 27809

Ion	Ratio	Lower	Upper
77	100		
97	20.5	10.6	31.8

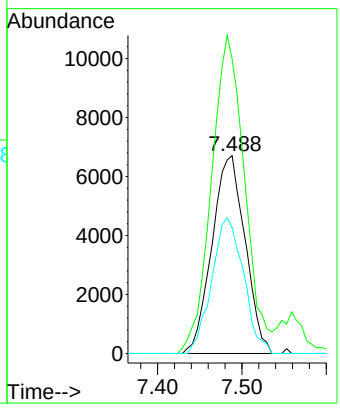




#27
cis-1,2-Dichloroethene
Concen: 9.595 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 96 Resp: 18276

Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	296.4
98	66.0	0.0	124.2



Instrument :
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ClientSampleId :
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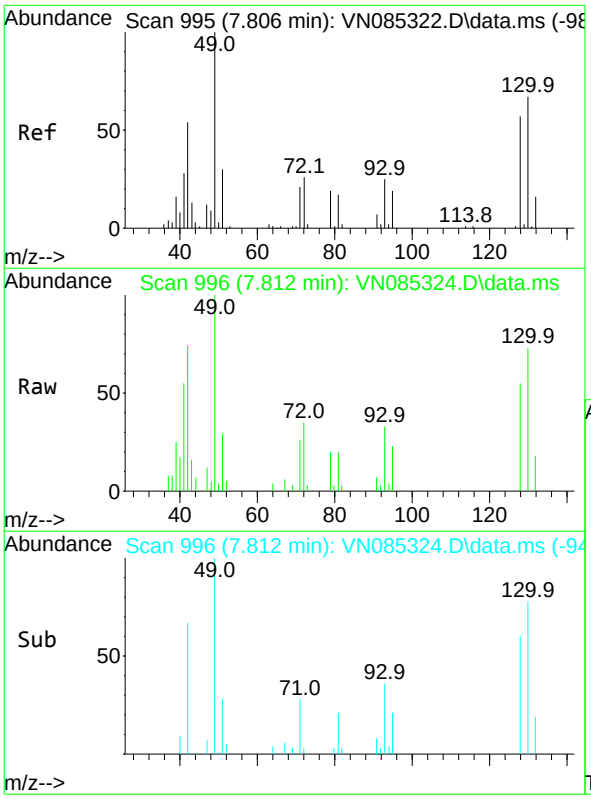
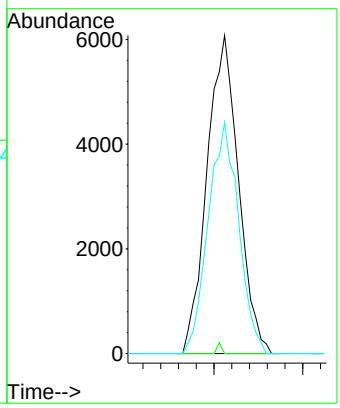
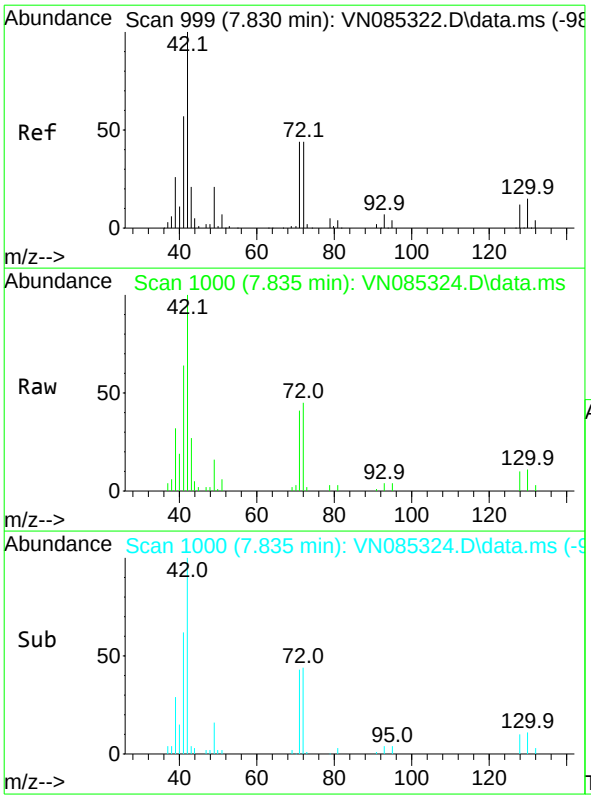


#28
Bromochloromethane
Concen: 9.972 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 49 Resp: 14957

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.0
130	70.3	0.0	0.0#

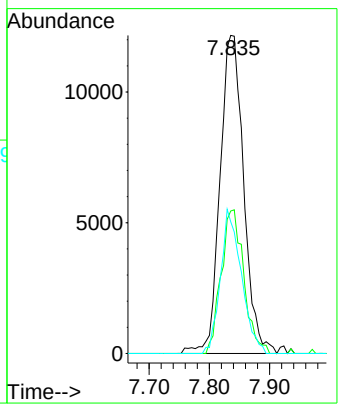




#29
Tetrahydrofuran
Concen: 50.752 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 42 Resp: 33255

Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.1	52.7
71	40.0	33.4	50.0



Instrument :
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ClientSampleId :
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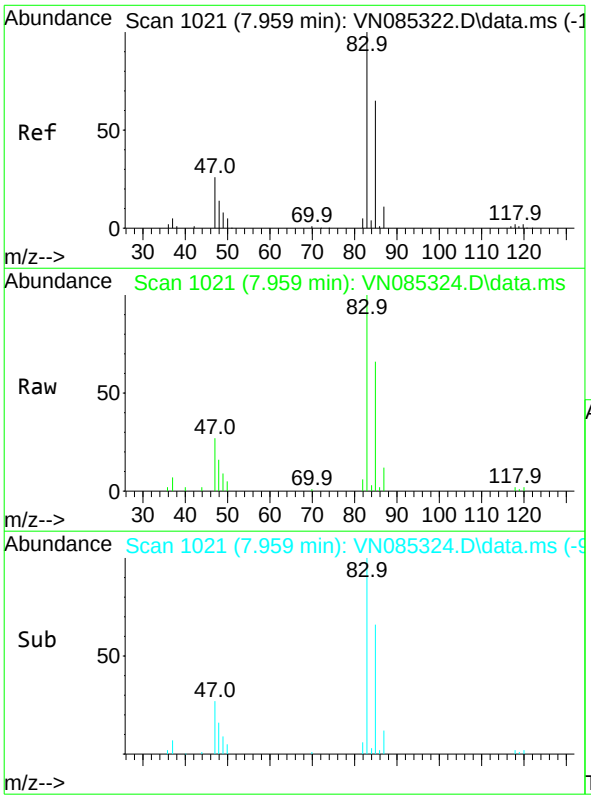
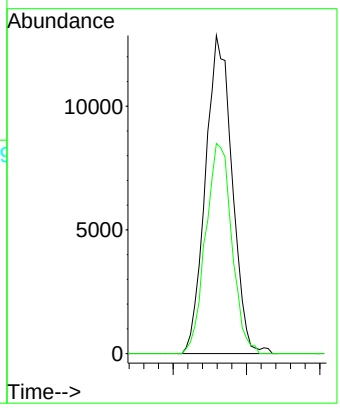
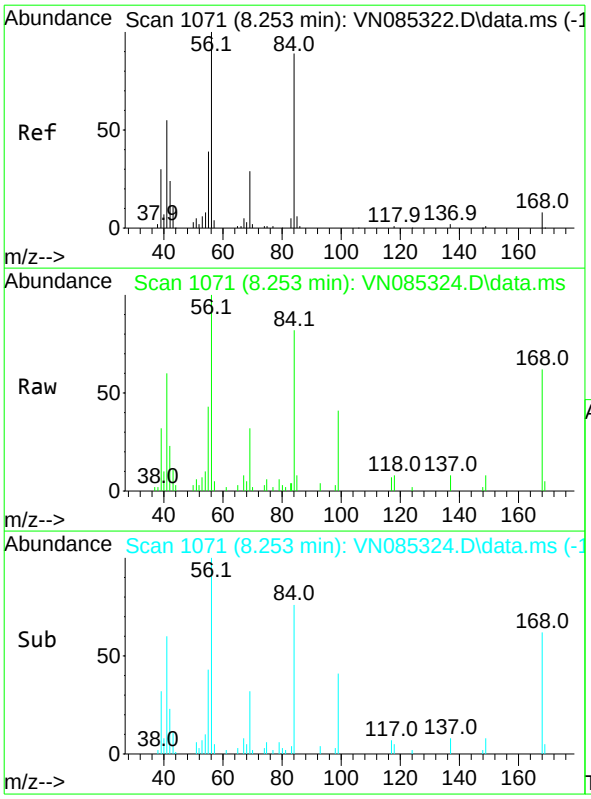


#30
Chloroform
Concen: 9.828 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 83 Resp: 32453

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0

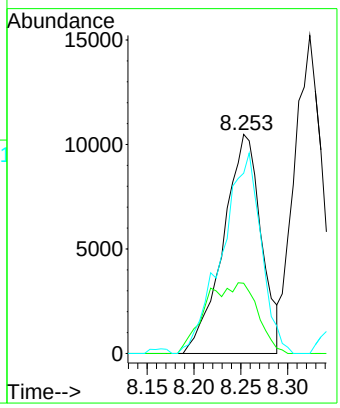




#31
Cyclohexane
Concen: 10.013 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 56 Resp: 29511

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.4	35.0
84	82.3	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
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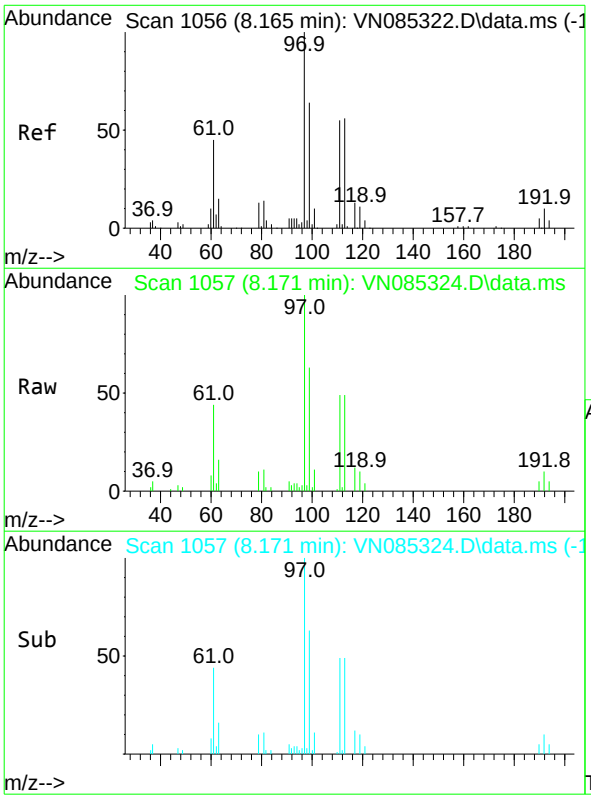
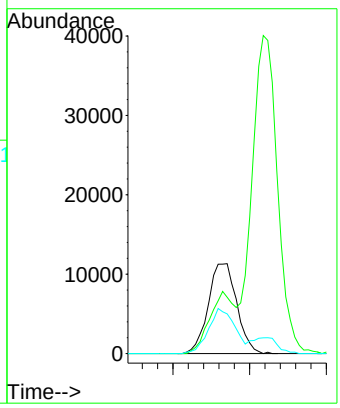
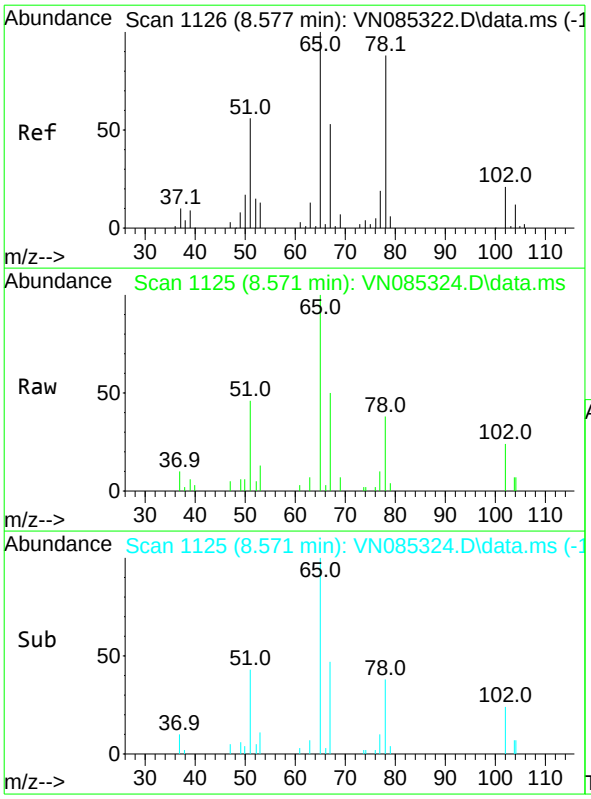


#32
1,1,1-Trichloroethane
Concen: 9.926 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 97 Resp: 29271

Ion	Ratio	Lower	Upper
97	100		
99	59.4	53.3	79.9
61	46.2	39.6	59.4

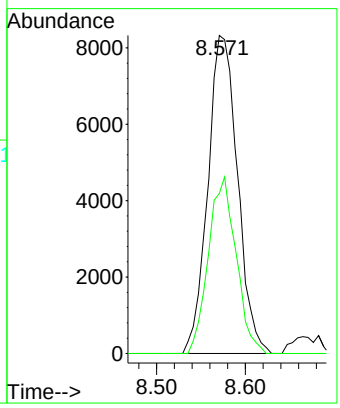




#33
1,2-Dichloroethane-d4
Concen: 9.702 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 65 Resp: 19346

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
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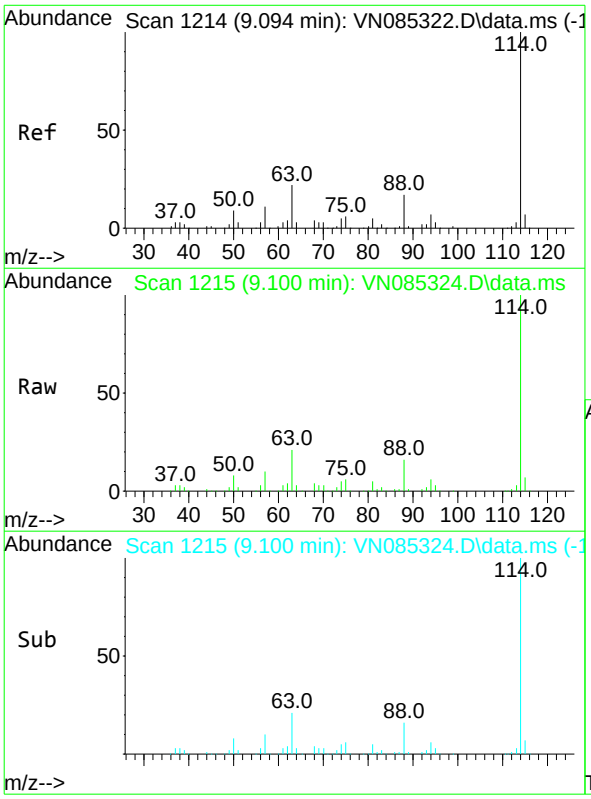
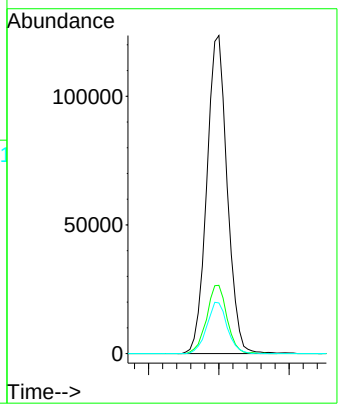
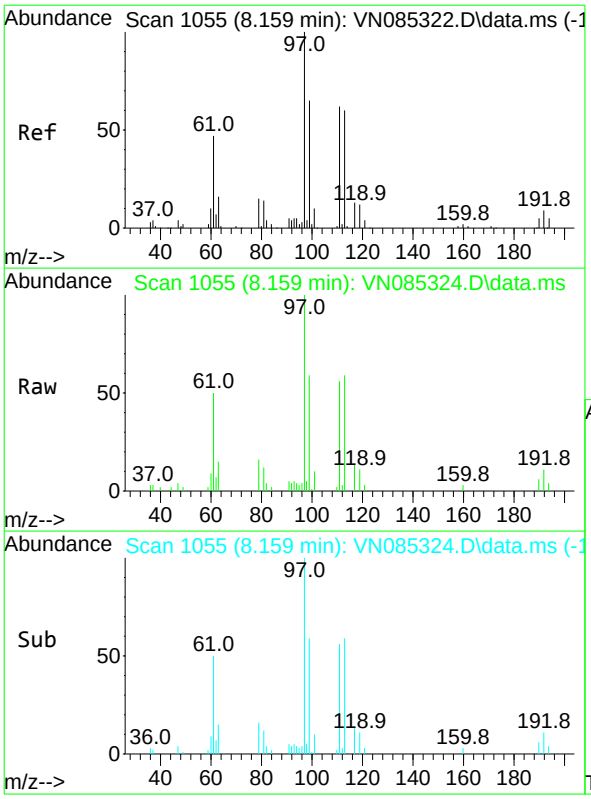


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:114 Resp: 249332

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	15.9	0.0	33.6

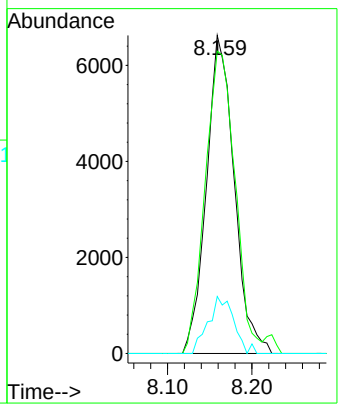




#35
Dibromofluoromethane
Concen: 9.736 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:113 Resp: 15144

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.5	120.7
192	16.5	12.9	19.3



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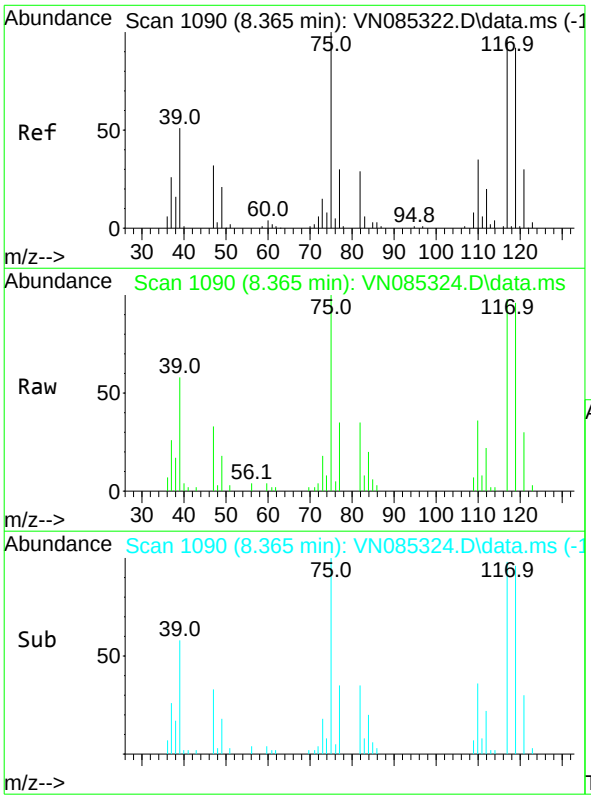
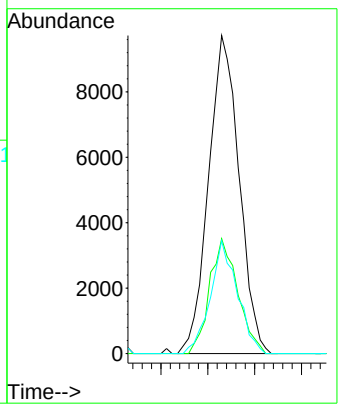
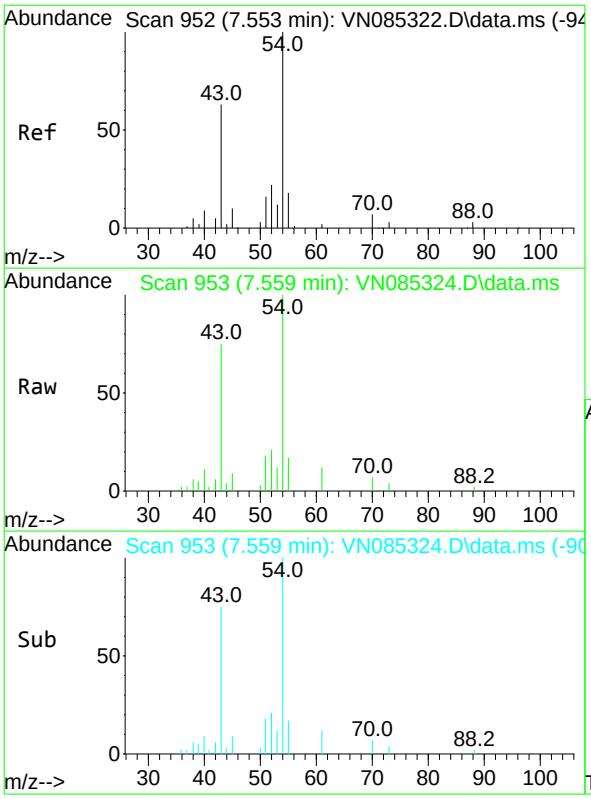


#36
1,1-Dichloropropene
Concen: 9.675 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 22034

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	31.4	24.3	36.5





#37
Ethyl Acetate
Concen: 10.292 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 23298

Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.4	15.6
70	9.2	8.2	12.2

Instrument :
MSVOA_N
ClientSampleId :
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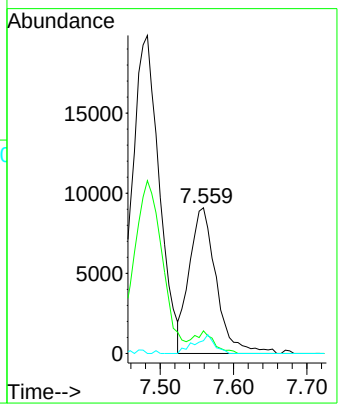
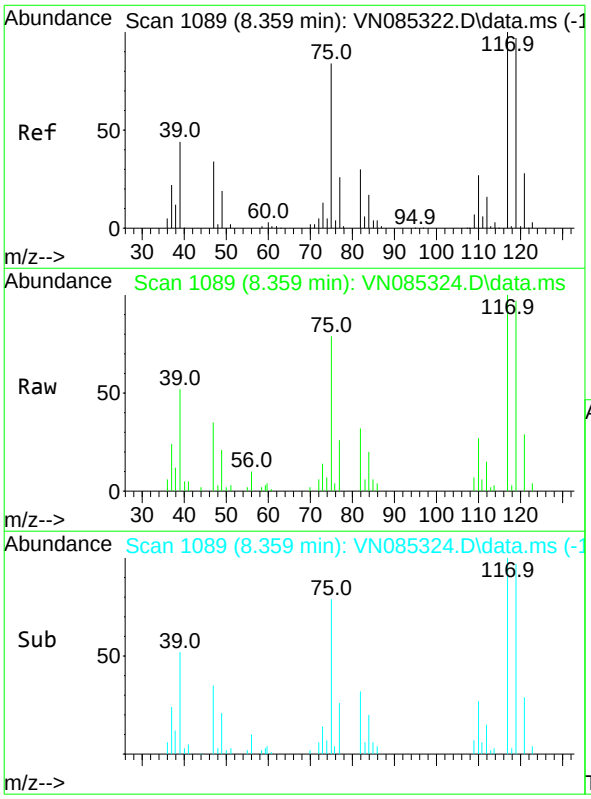
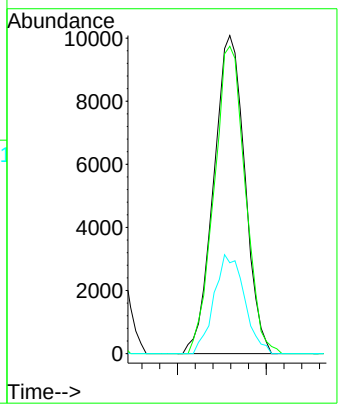


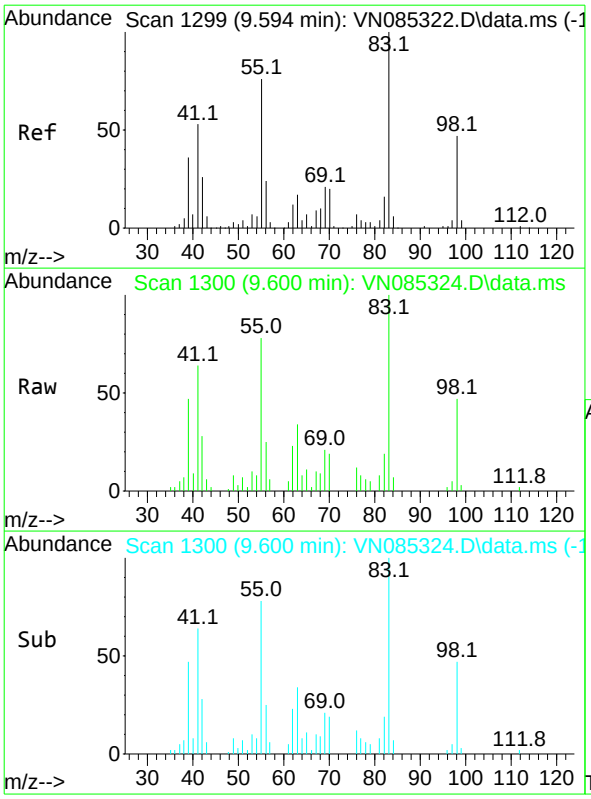


#38
Carbon Tetrachloride
Concen: 9.866 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:117 Resp: 24491

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	28.6	22.5	33.7

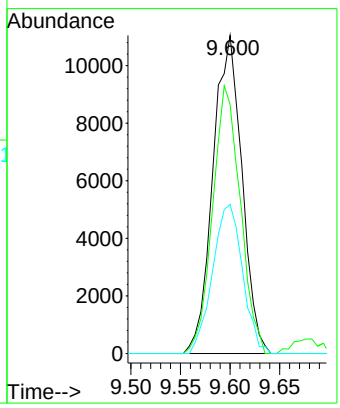




#39
Methylcyclohexane
Concen: 9.500 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 83 Resp: 22448

Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.7	91.1
98	46.9	37.7	56.5



Instrument :
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ClientSampleId :
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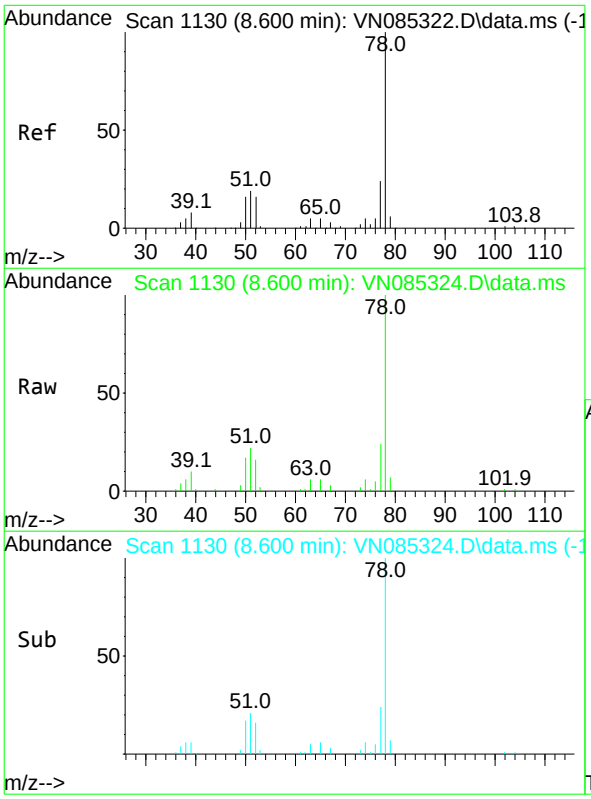
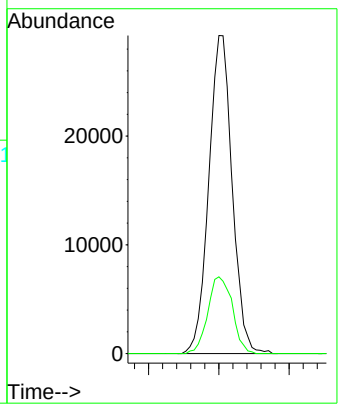
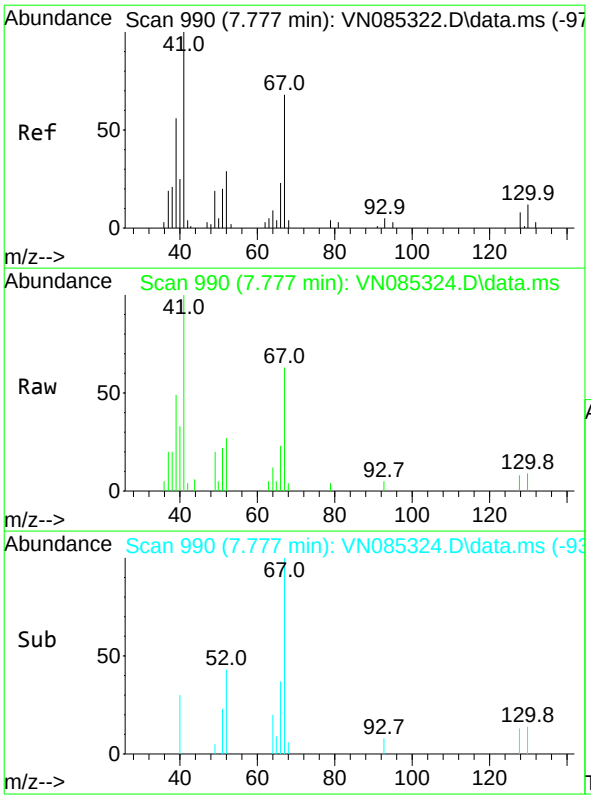


#40
Benzene
Concen: 9.818 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 78 Resp: 67603

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4

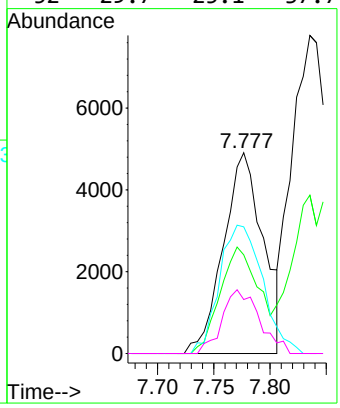




#41
Methacrylonitrile
Concen: 10.429 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 41 Resp: 12091

Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.8	68.8
67	69.1	57.1	85.7
52	29.7	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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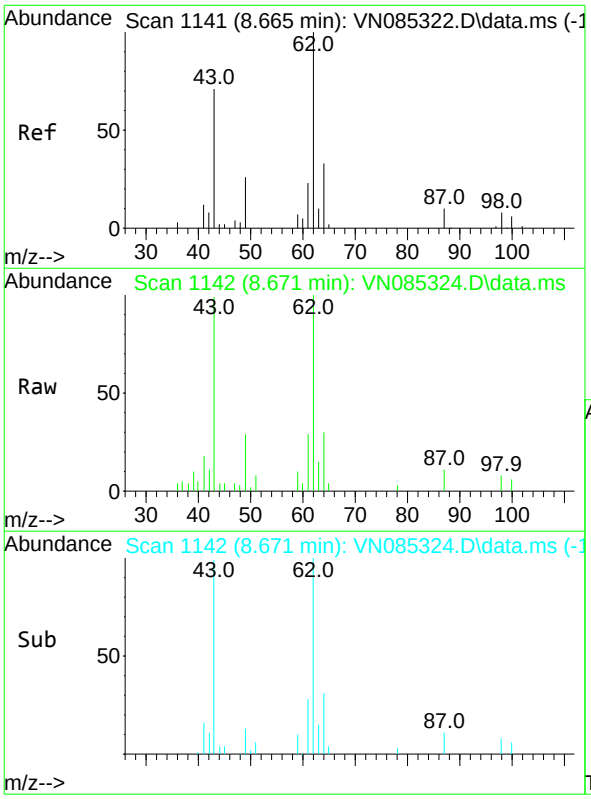
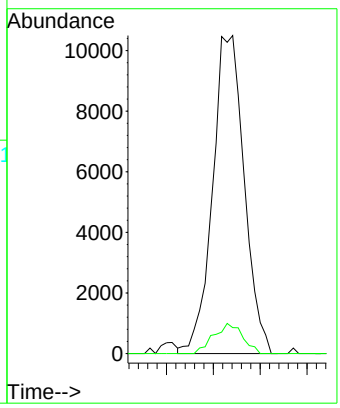
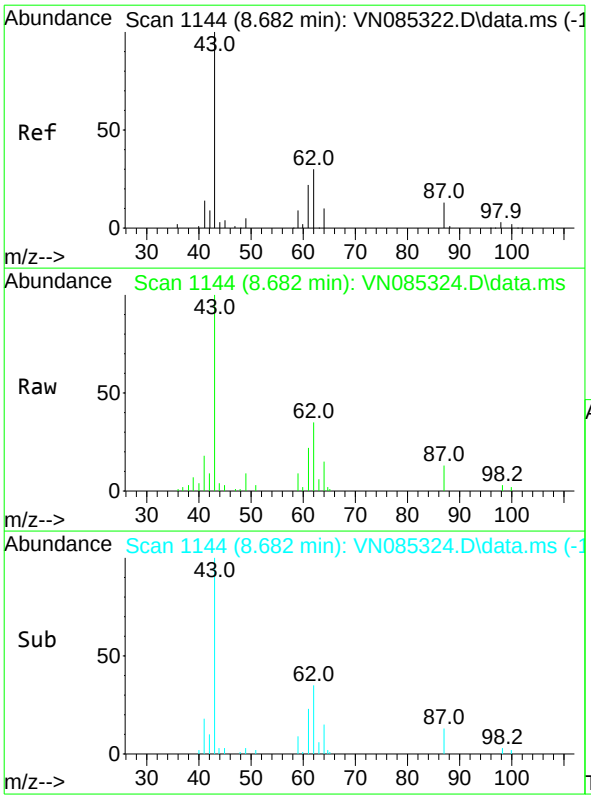


#42
1,2-Dichloroethane
Concen: 9.979 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 62 Resp: 24635

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6

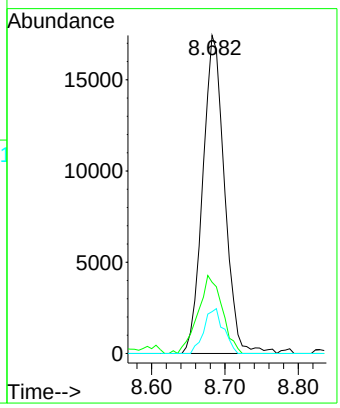




#43
Isopropyl Acetate
Concen: 9.650 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 35967

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.8	31.2
87	12.7	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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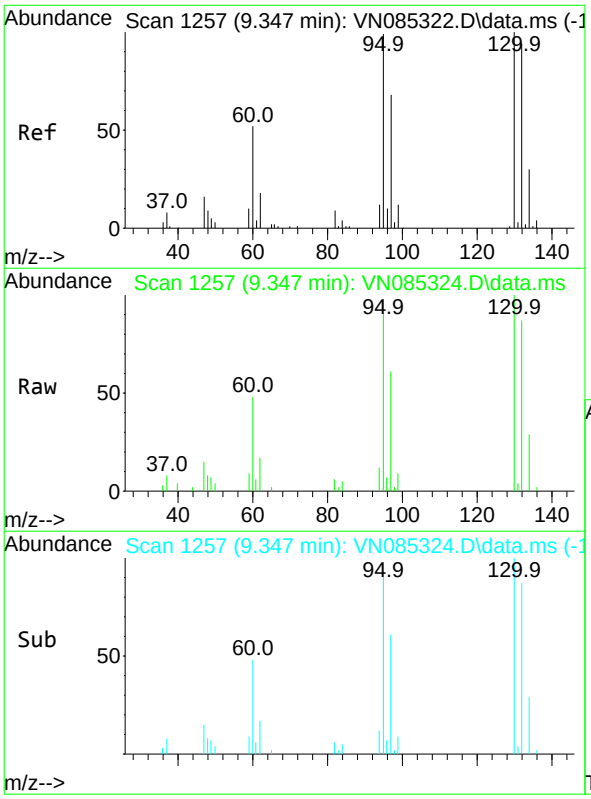
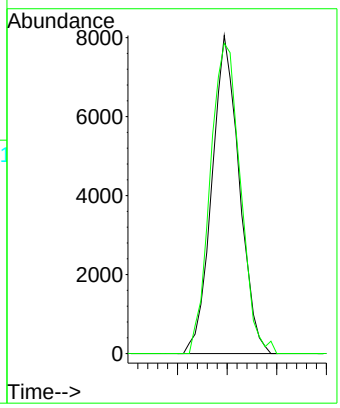
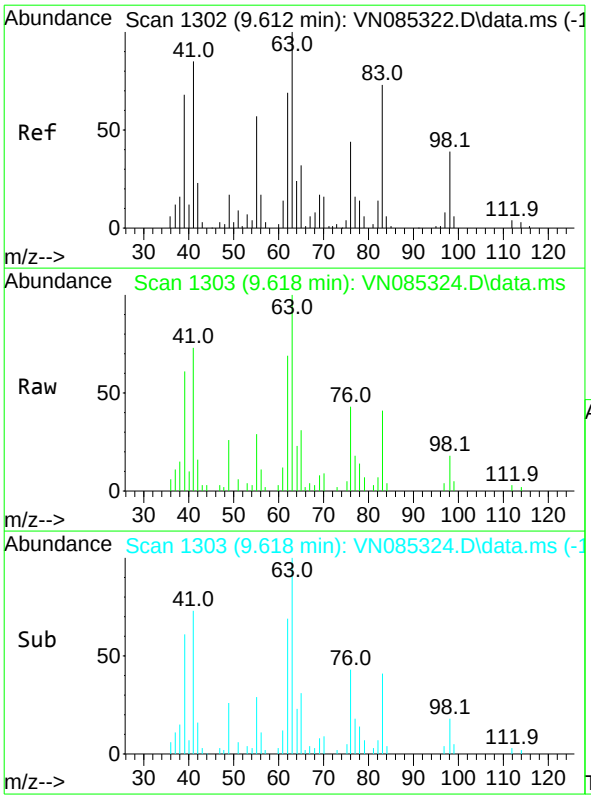


#44
Trichloroethene
Concen: 9.472 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:130 Resp: 15441

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	197.8

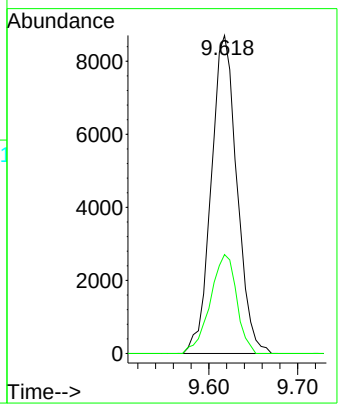




#45
1,2-Dichloropropane
Concen: 10.018 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 63 Resp: 17511

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.5	38.3



Instrument :
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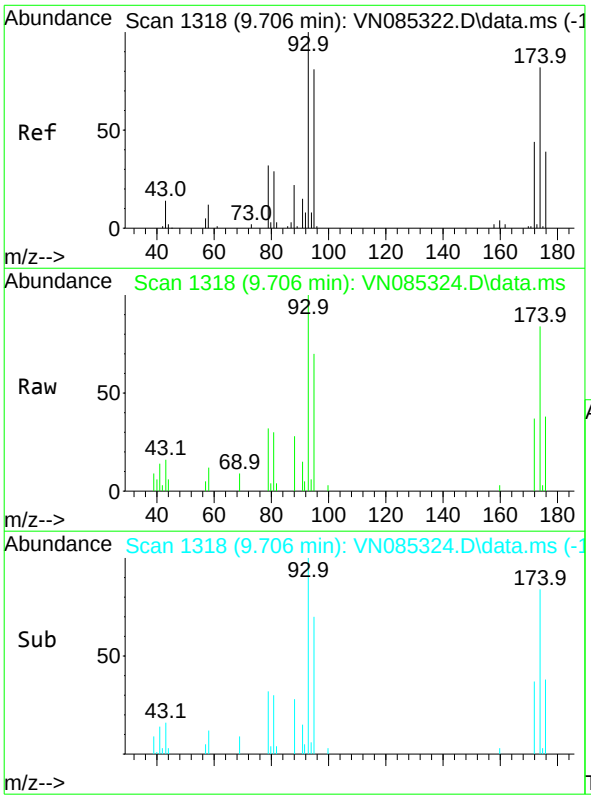
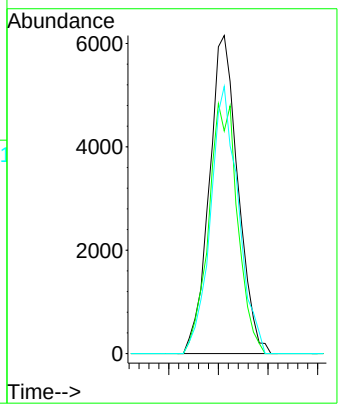
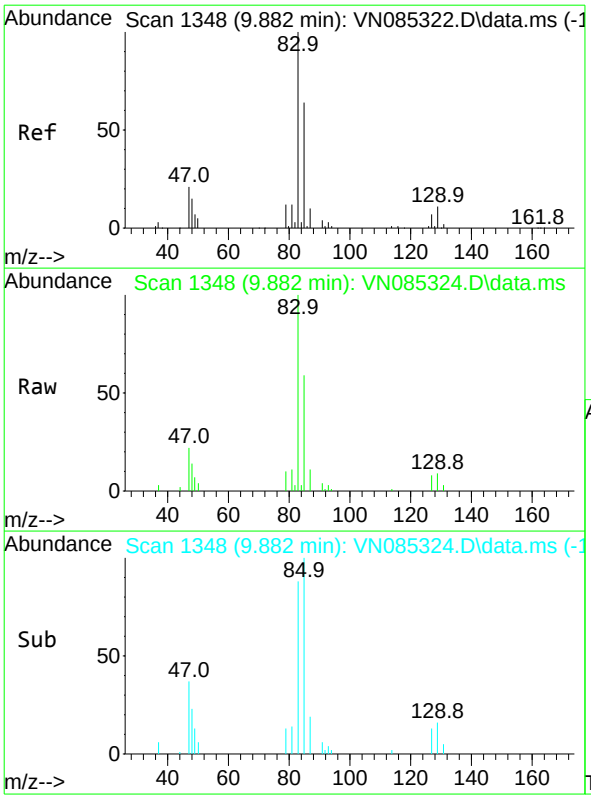


#46
Dibromomethane
Concen: 10.182 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 93 Resp: 12378

Ion	Ratio	Lower	Upper
93	100		
95	79.4	65.3	97.9
174	81.4	66.4	99.6

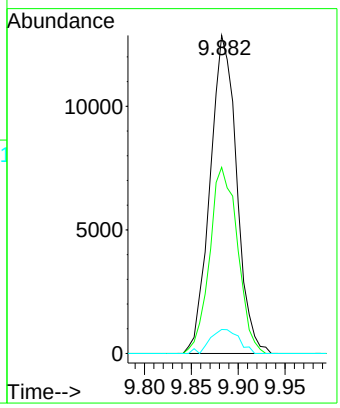




#47
Bromodichloromethane
Concen: 10.070 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 83 Resp: 25444

Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.0	76.4
127	7.6	5.8	8.6



Instrument :
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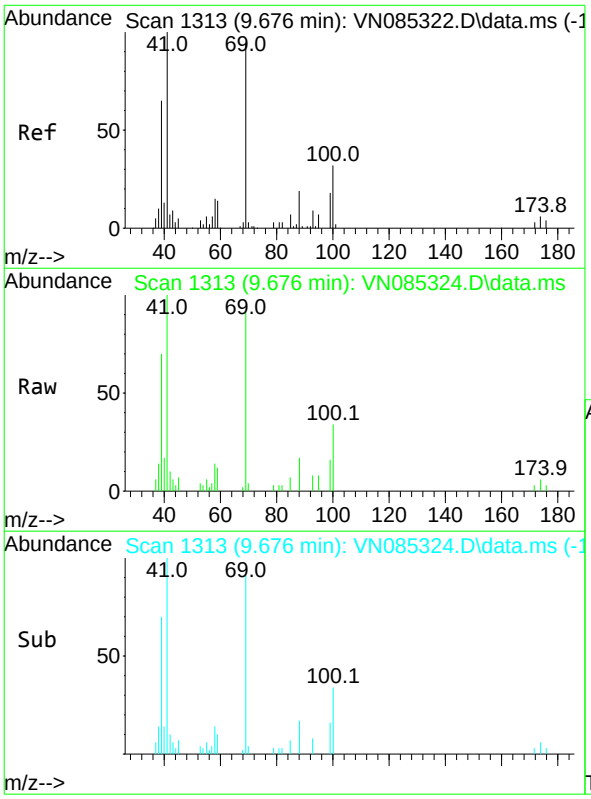
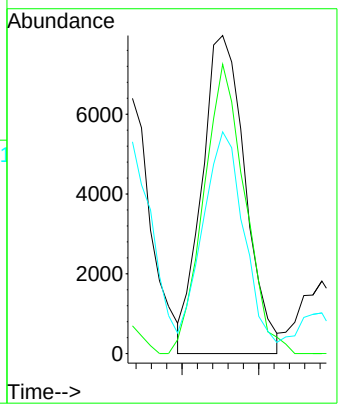
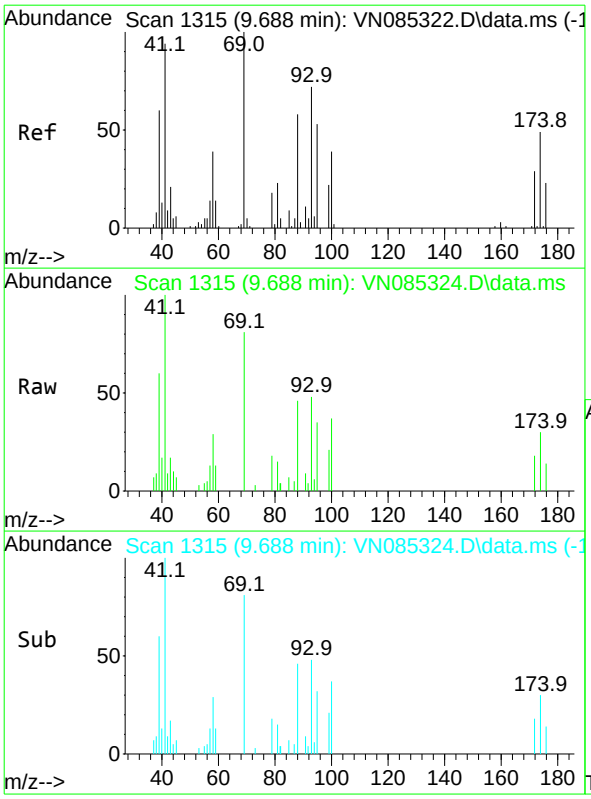


#48
Methyl methacrylate
Concen: 9.666 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 41 Resp: 15633

Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	67.7	51.2	76.8





#49
1,4-Dioxane
Concen: 219.898 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 88 Resp: 5366

Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.1	33.1
58	64.1	56.7	85.1

Instrument :
MSVOA_N
ClientSampleId :
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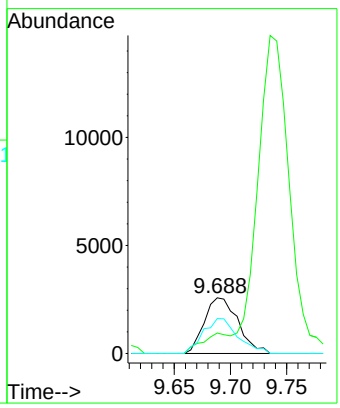
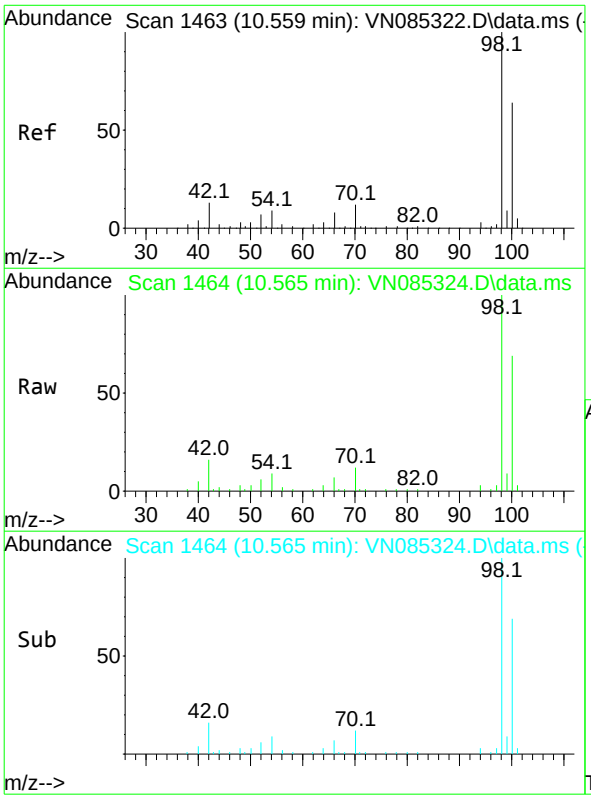
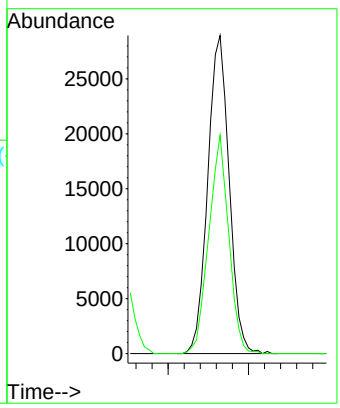


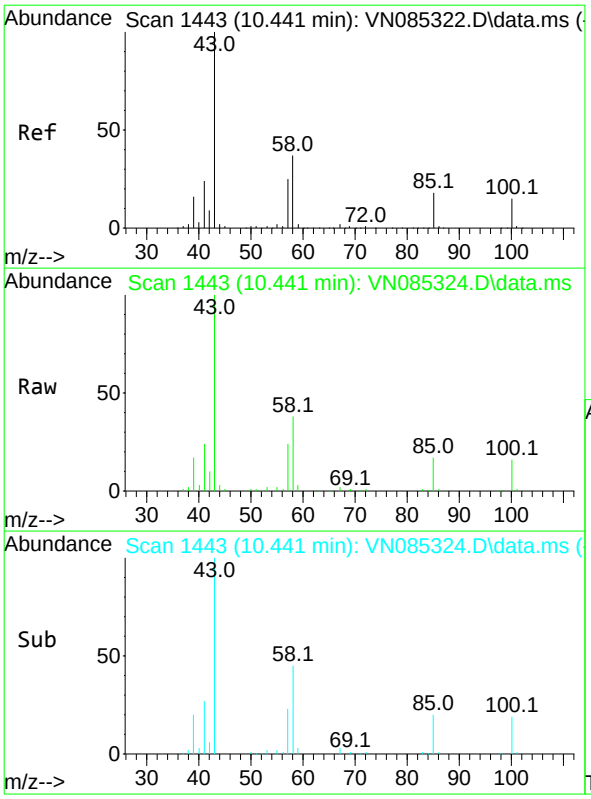


#50
Toluene-d8
Concen: 9.392 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 98 Resp: 53607

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3

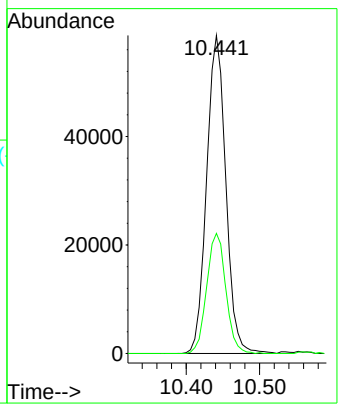




#51
4-Methyl-2-Pentanone
Concen: 50.877 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 106569

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
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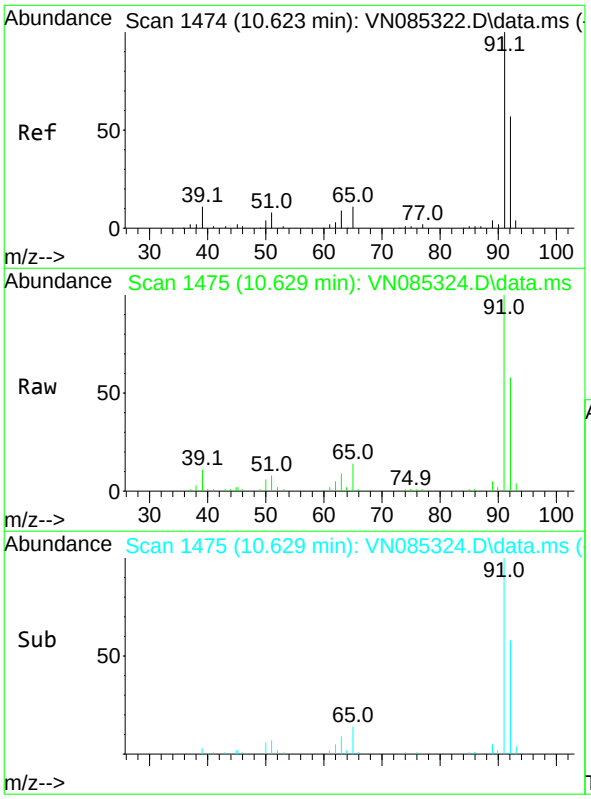
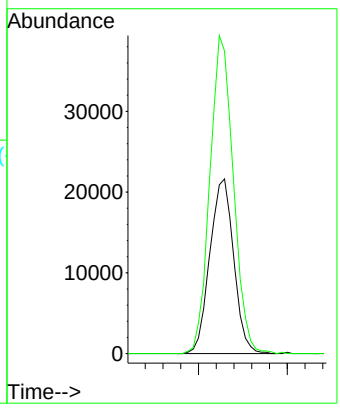
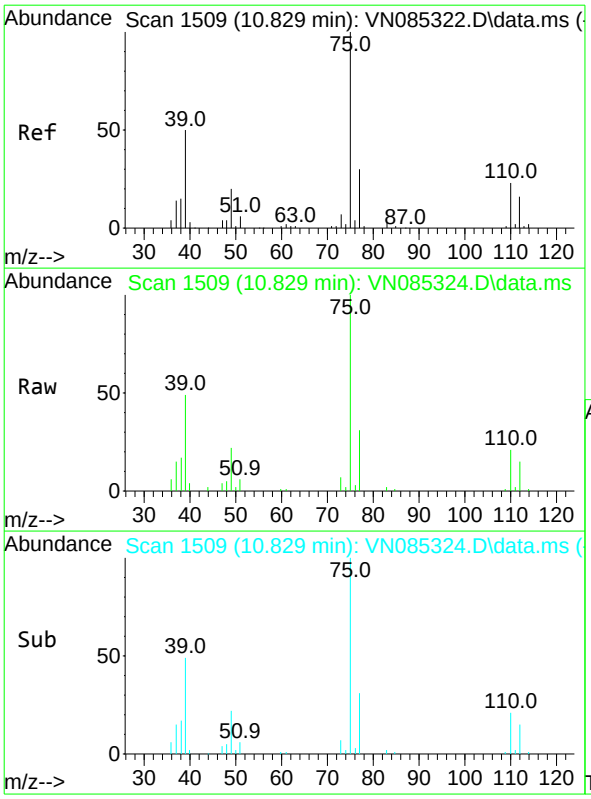


#52
Toluene
Concen: 9.853 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 92 Resp: 40396

Ion	Ratio	Lower	Upper
92	100		
91	179.4	140.2	210.4

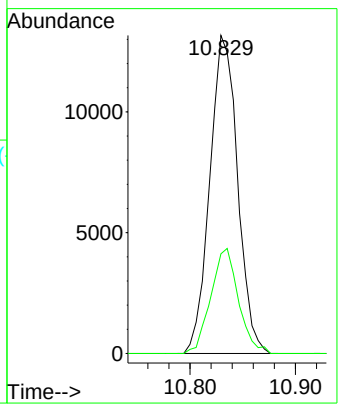




#53
t-1,3-Dichloropropene
Concen: 9.699 ug/l
RT: 10.829 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 24100

Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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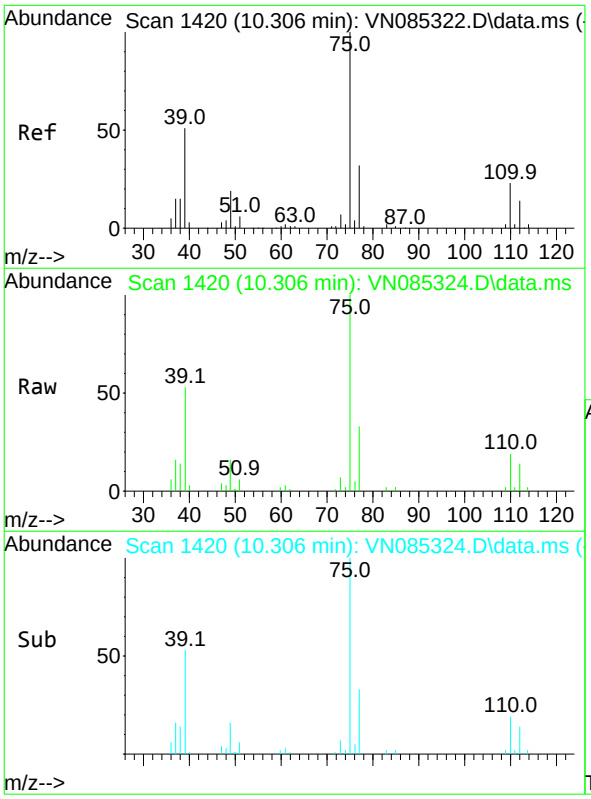
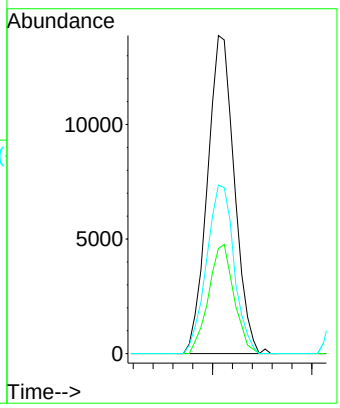
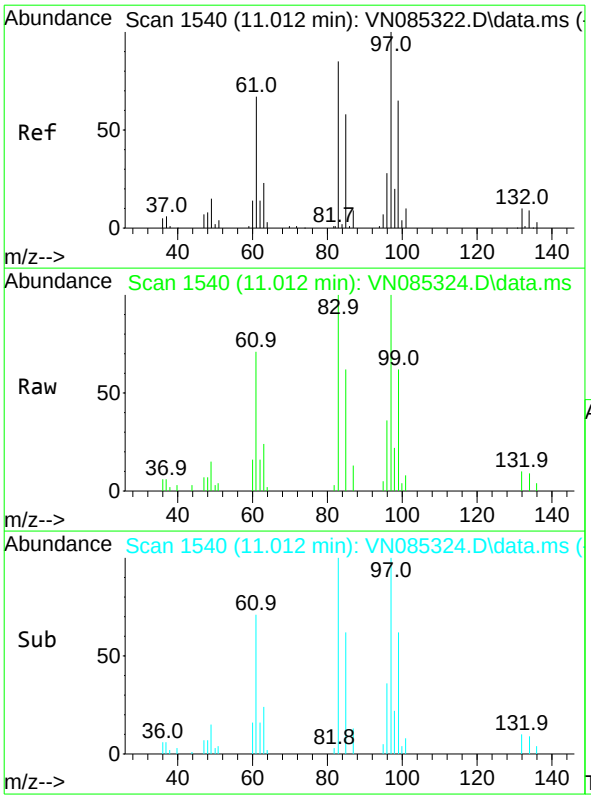


#54
cis-1,3-Dichloropropene
Concen: 9.754 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 26207

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.5	38.3
39	53.0	40.5	60.7

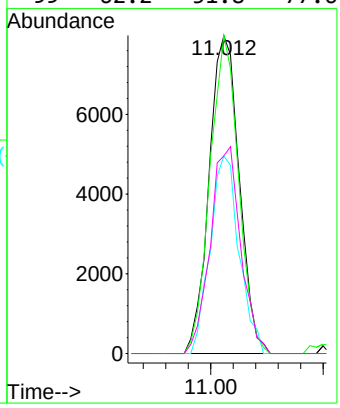




#55
1,1,2-Trichloroethane
Concen: 9.586 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 97 Resp: 14839

Ion	Ratio	Lower	Upper
97	100		
83	100.1	67.7	101.5
85	62.1	46.2	69.4
99	62.2	51.8	77.6



Instrument :
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ClientSampleId :
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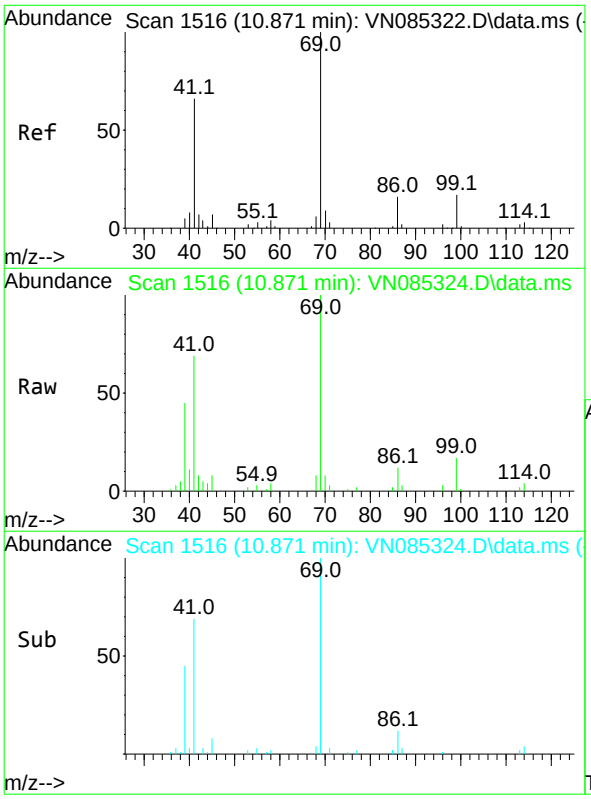
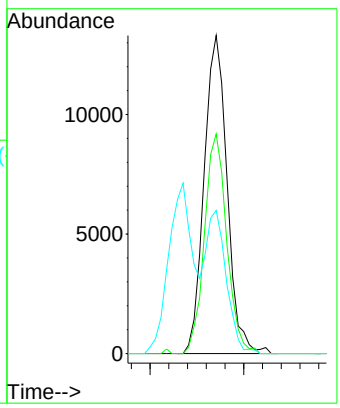
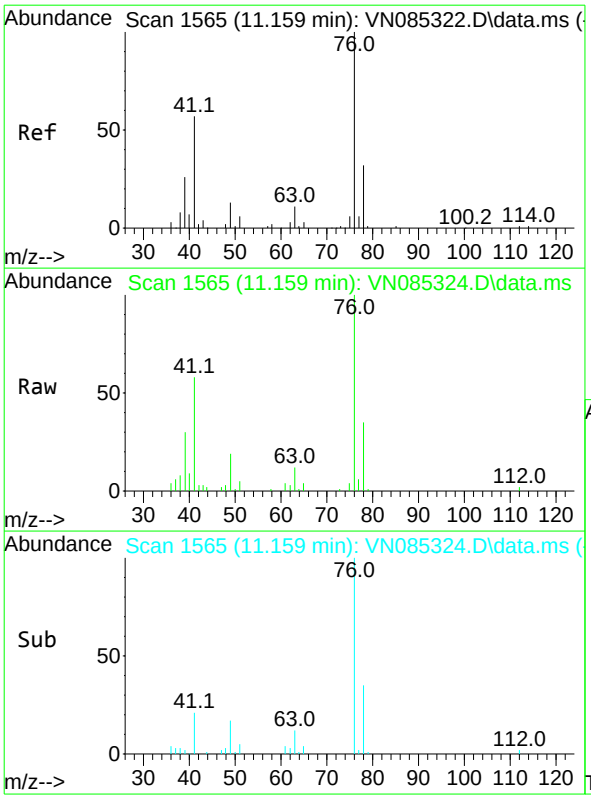


#56
Ethyl methacrylate
Concen: 10.054 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 69 Resp: 22666

Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.3	81.5
39	40.7	32.0	48.0

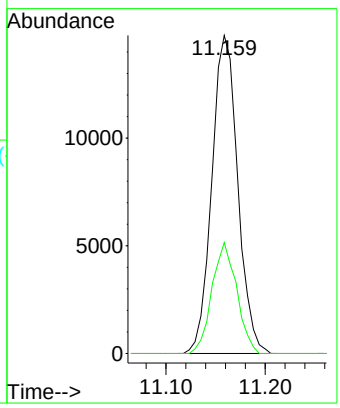




#57
1,3-Dichloropropane
Concen: 9.864 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 76 Resp: 26800

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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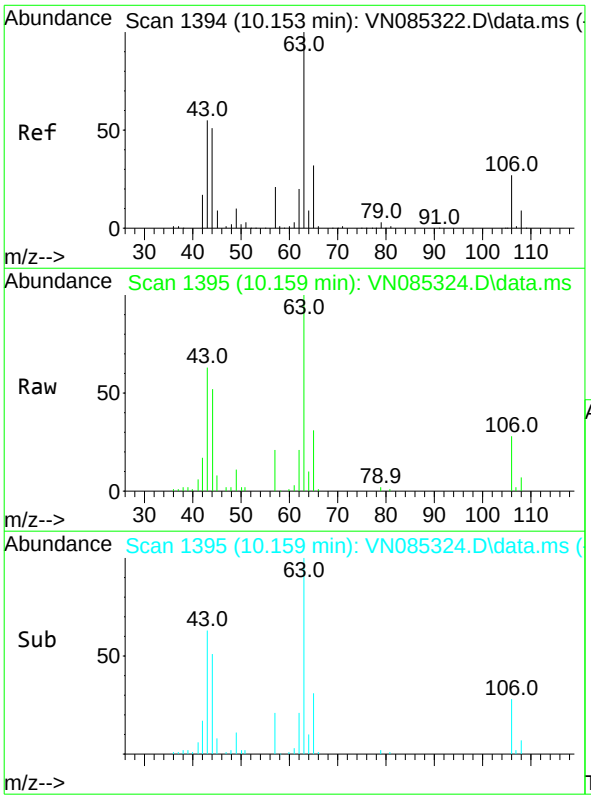
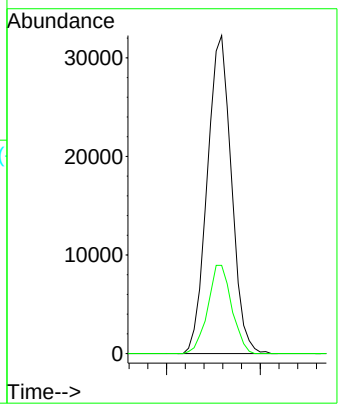
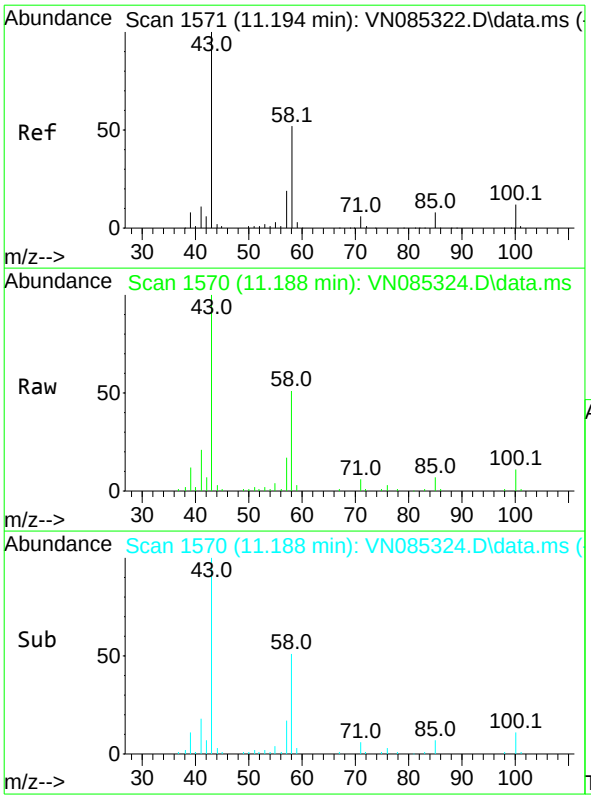


#58
2-Chloroethyl Vinyl ether
Concen: 52.985 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 63 Resp: 57793

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.1	33.1

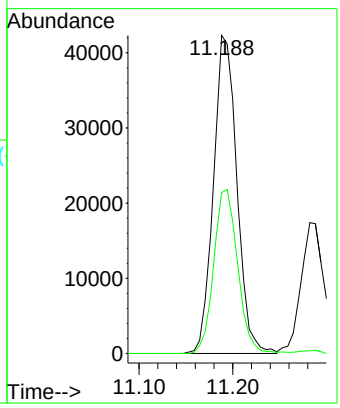




#59
2-Hexanone
Concen: 50.521 ug/l
RT: 11.188 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 73420

Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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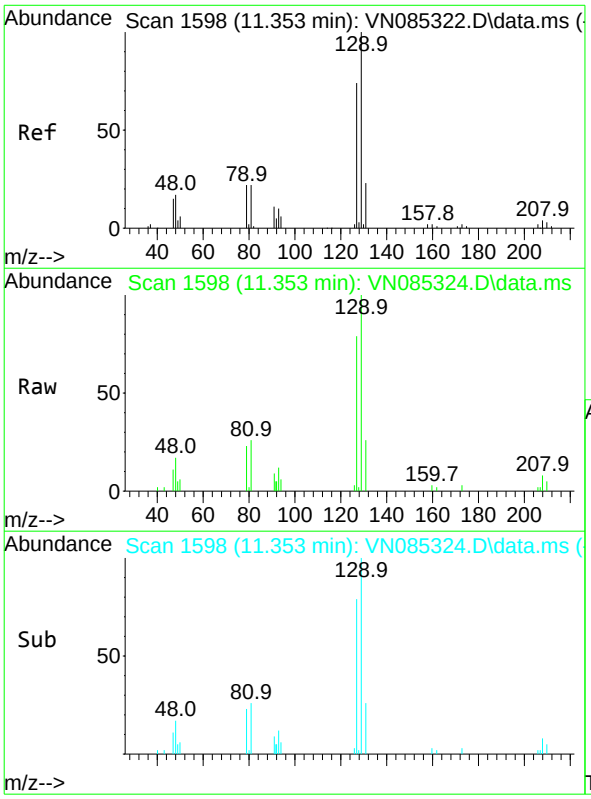
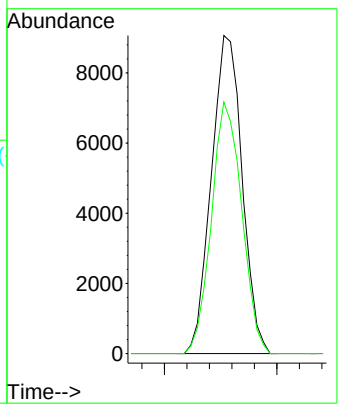
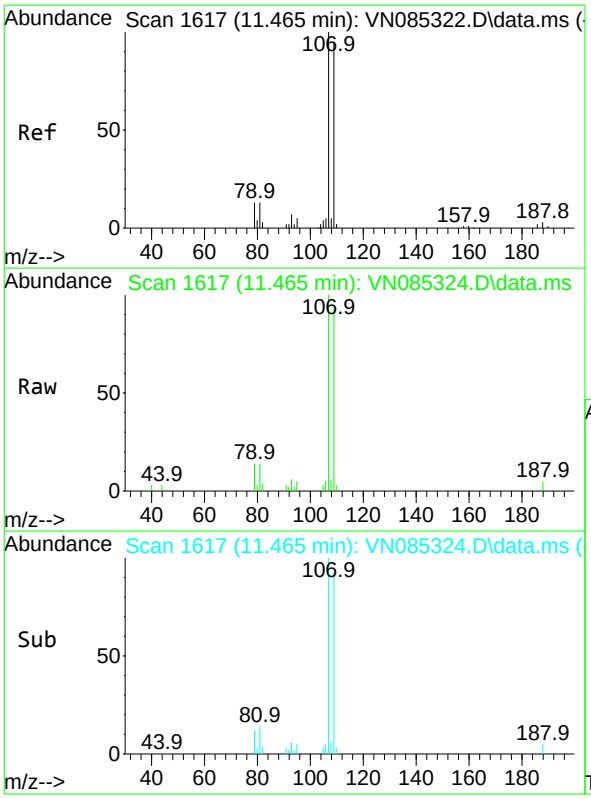


#60
Dibromochloromethane
Concen: 9.884 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:129 Resp: 17232

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9

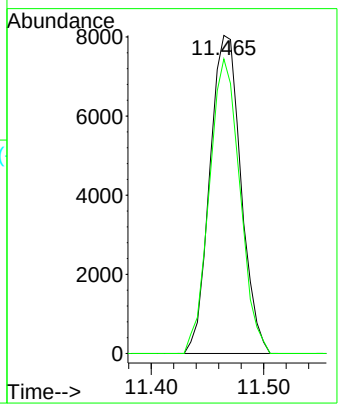




#61
1,2-Dibromoethane
Concen: 10.064 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:107 Resp: 15412

Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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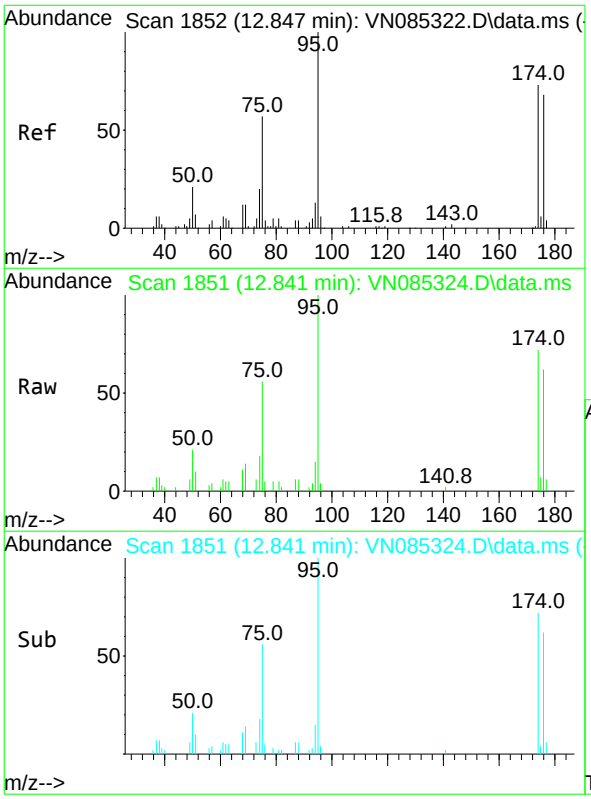
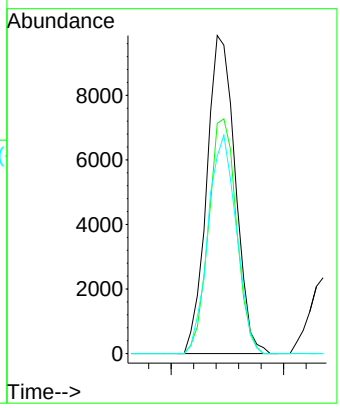
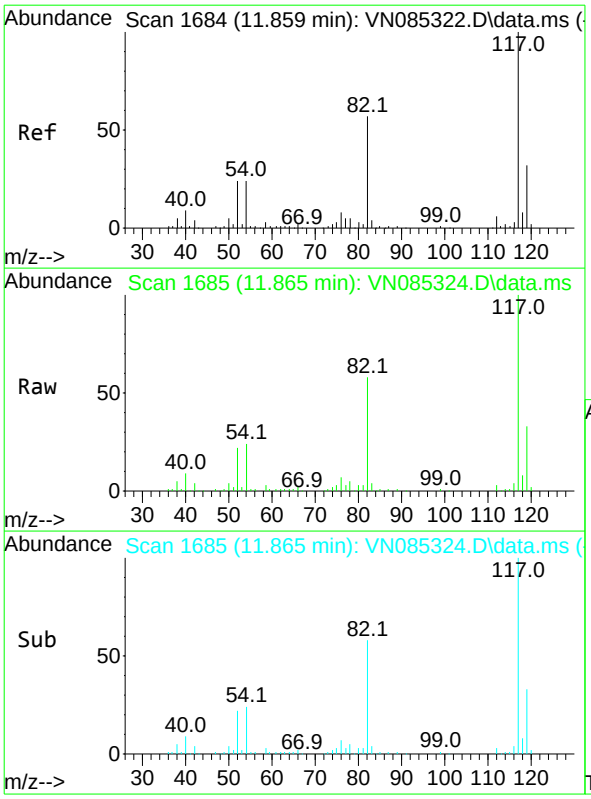


#62
4-Bromofluorobenzene
Concen: 9.141 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 95 Resp: 17328

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	143.2
176	68.0	0.0	135.8

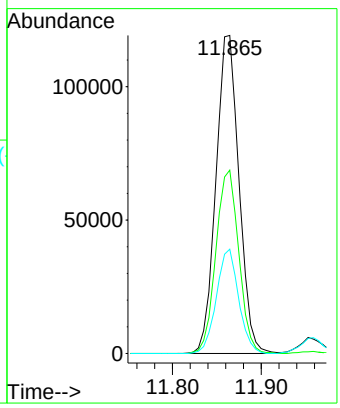




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:117 Resp: 215410

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.7	68.5
119	32.8	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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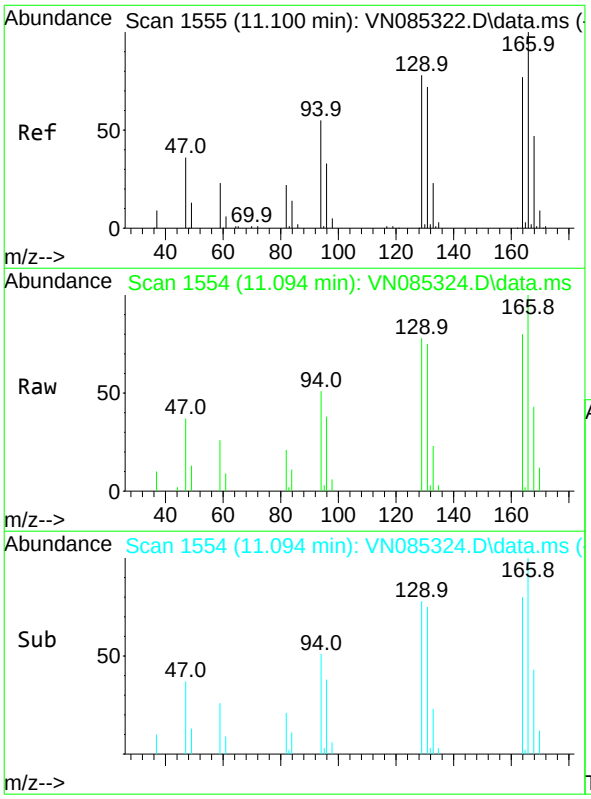
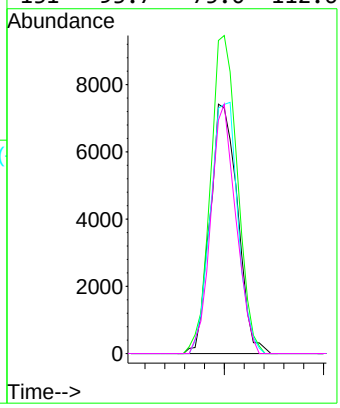
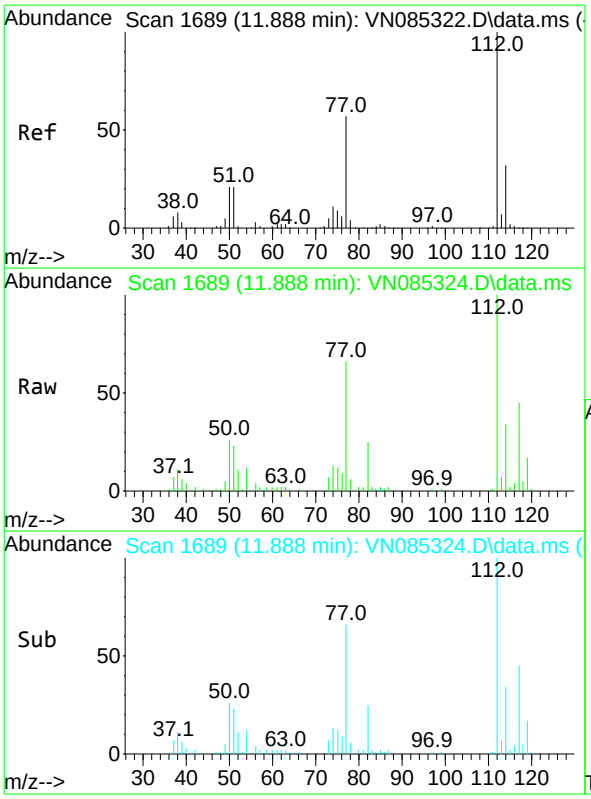


#64
Tetrachloroethene
Concen: 10.457 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:164 Resp: 14273

Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.0	156.0
129	98.4	81.3	121.9
131	93.7	75.0	112.6

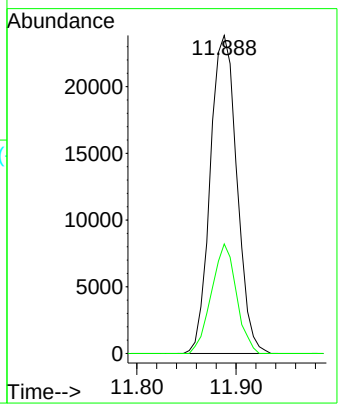




#65
Chlorobenzene
Concen: 9.541 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:112 Resp: 44413

Ion	Ratio	Lower	Upper
112	100		
114	34.4	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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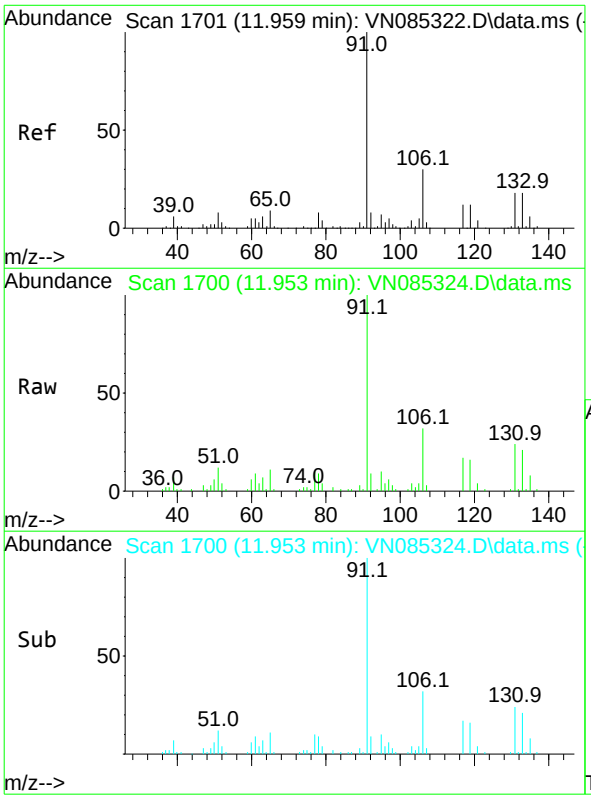
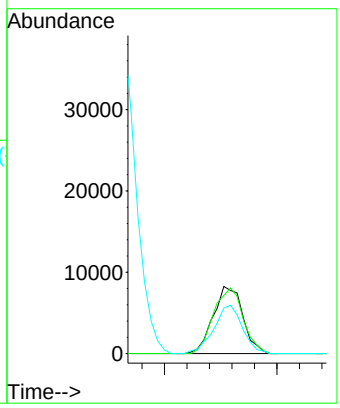
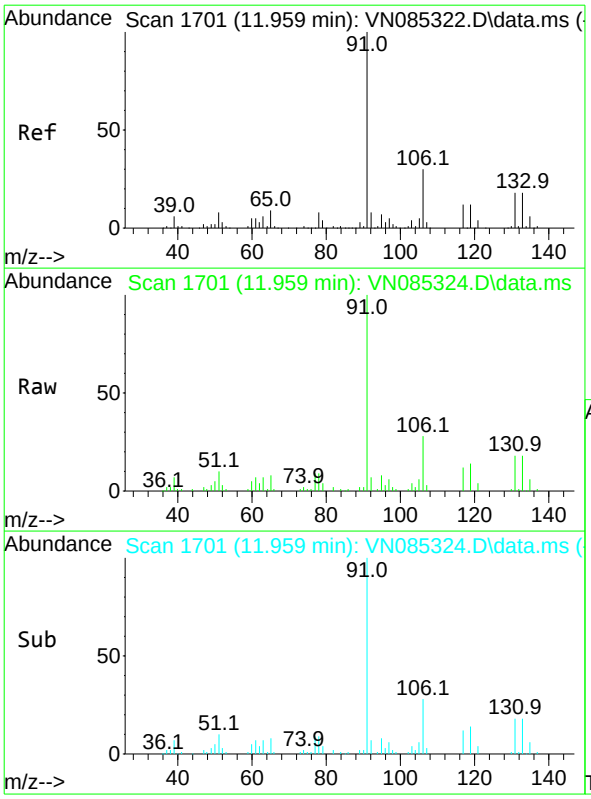


#66
1,1,1,2-Tetrachloroethane
Concen: 9.670 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:131 Resp: 15107

Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.3	144.9
119	69.5	33.4	100.1

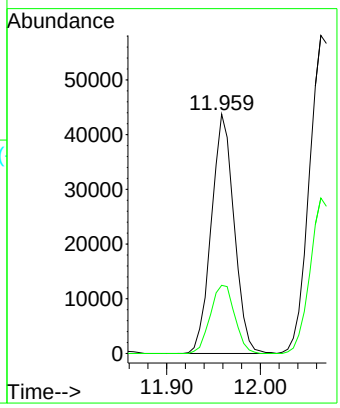




#67
Ethyl Benzene
Concen: 9.544 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 73883

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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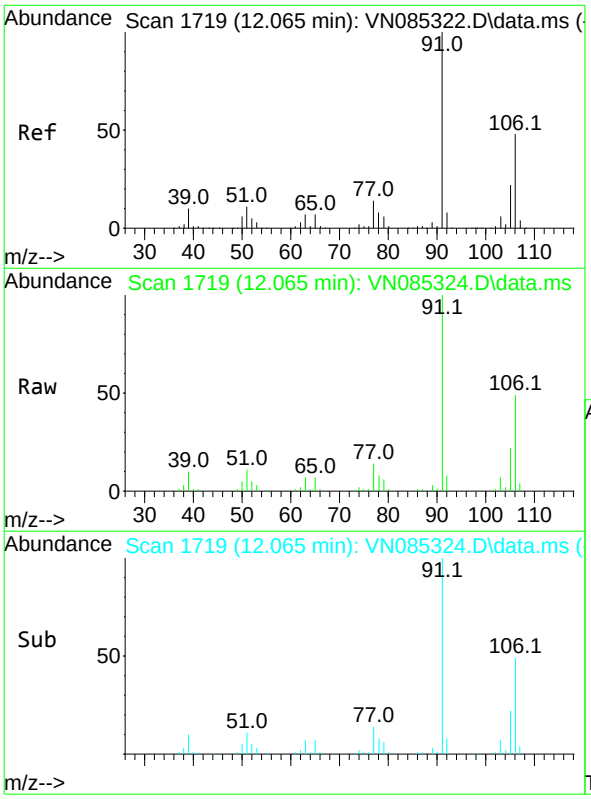
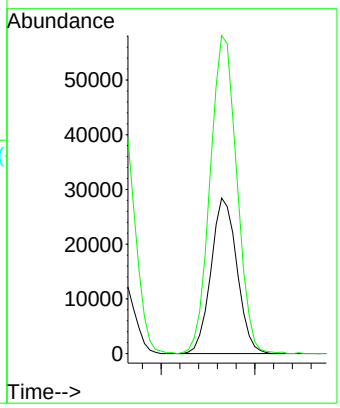
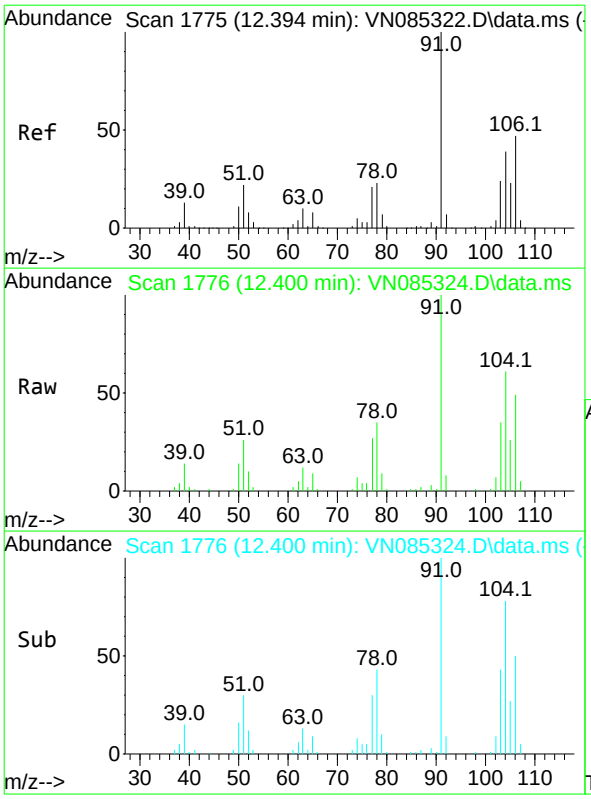


#68
m/p-Xylenes
Concen: 19.288 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:106 Resp: 54643

Ion	Ratio	Lower	Upper
106	100		
91	210.2	165.2	247.8

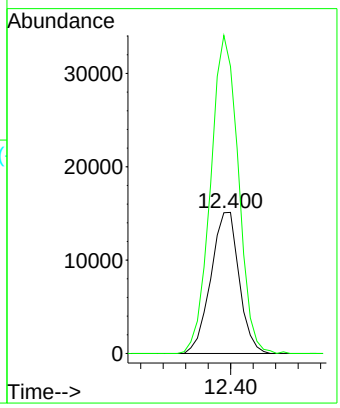




#69
o-Xylene
Concen: 9.605 ug/l
RT: 12.400 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:106 Resp: 26323

Ion	Ratio	Lower	Upper
106	100		
91	221.9	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
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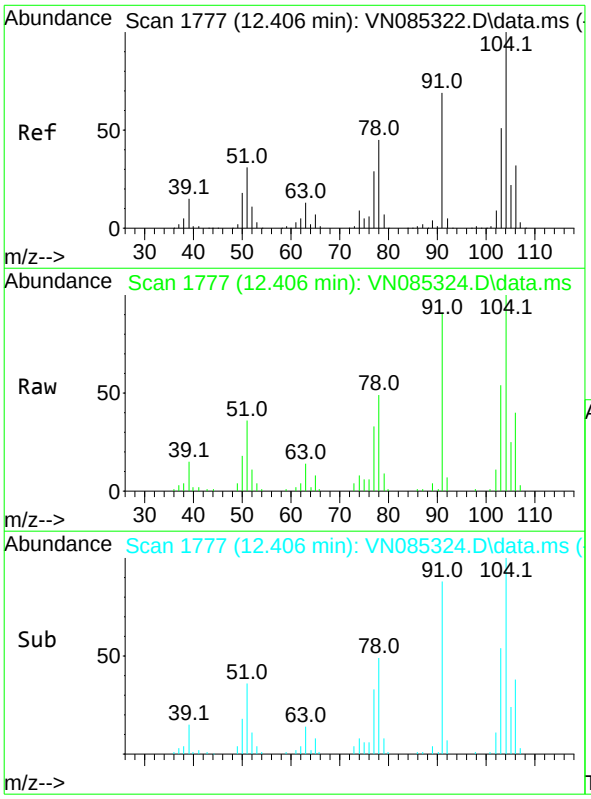
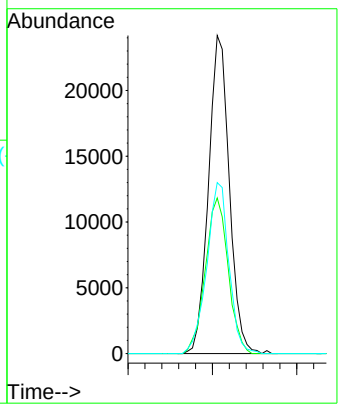
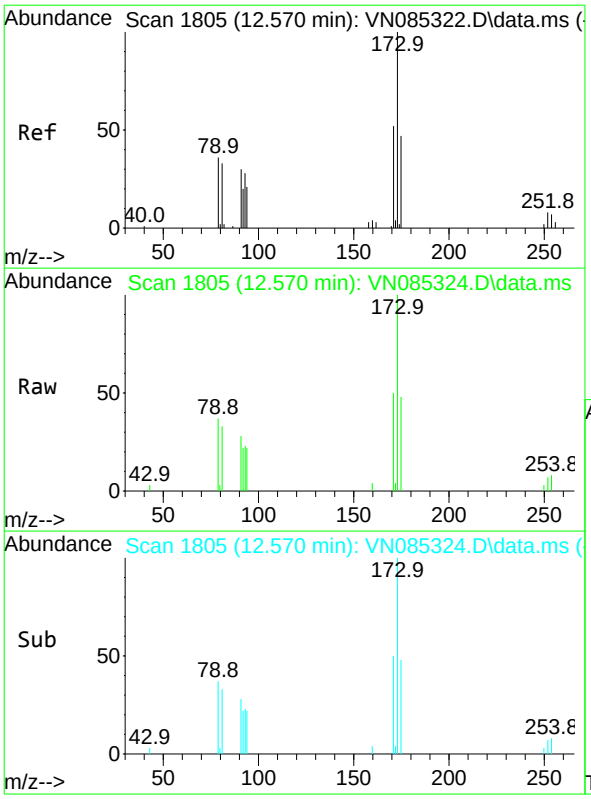


#70
Styrene
Concen: 9.347 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:104 Resp: 41517

Ion	Ratio	Lower	Upper
104	100		
78	53.5	40.7	61.1
103	56.8	44.1	66.1

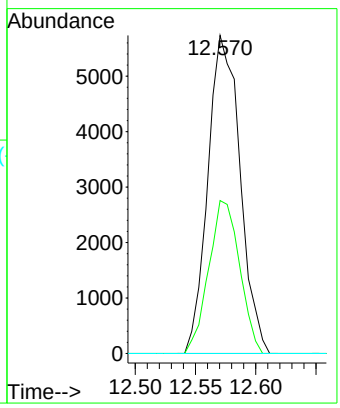




#71
Bromoform
Concen: 9.822 ug/l
RT: 12.570 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:173 Resp: 10628

Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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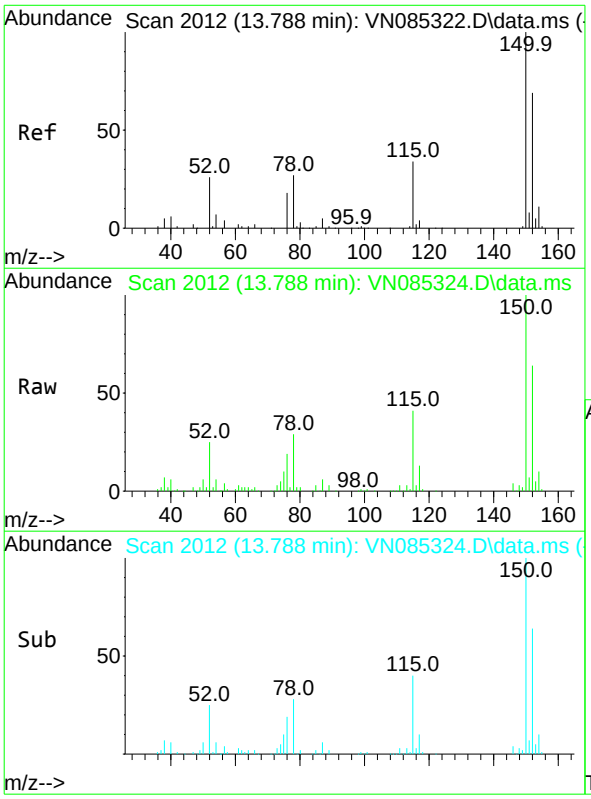
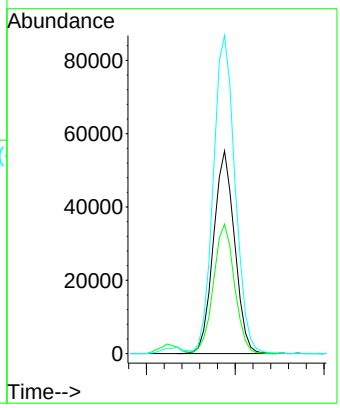
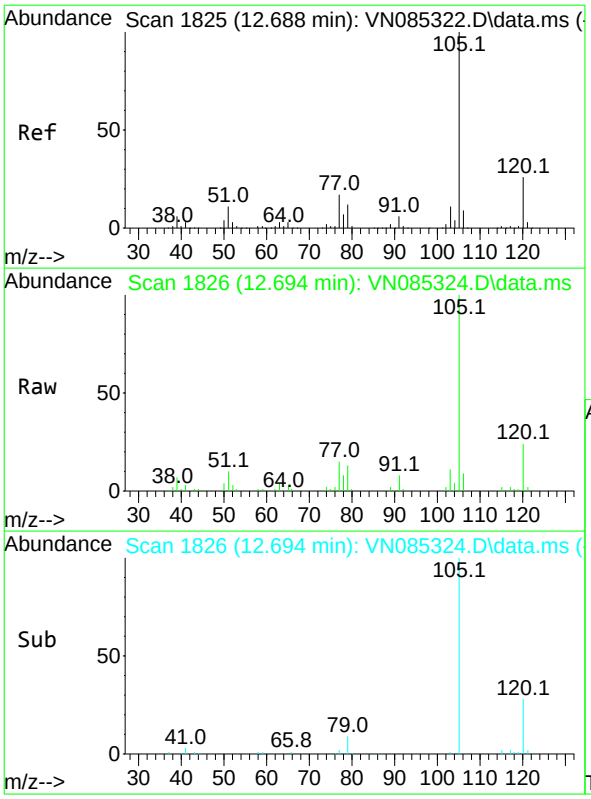


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:152 Resp: 91601

Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.4	91.3
150	161.6	0.0	345.0

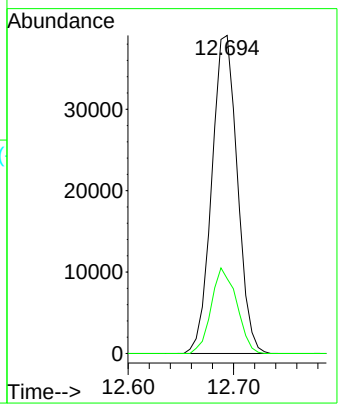




#73
Isopropylbenzene
Concen: 10.000 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 65872

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
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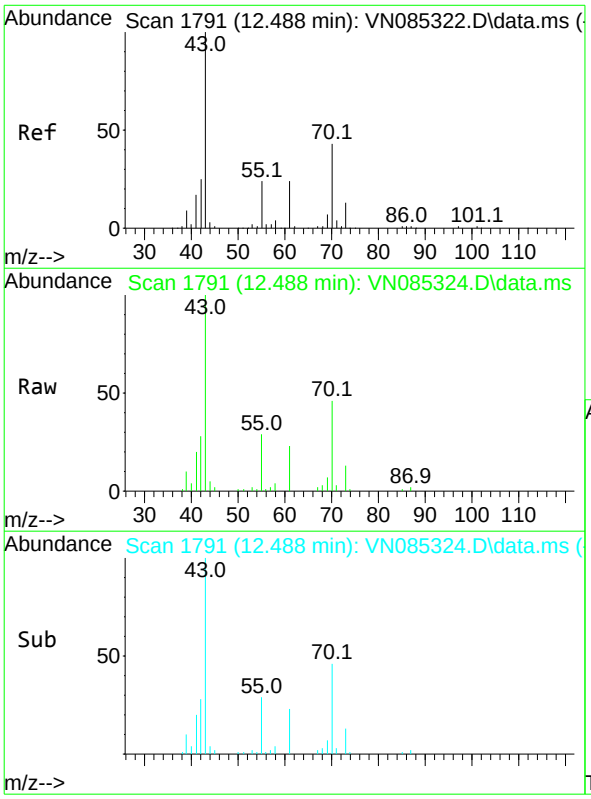
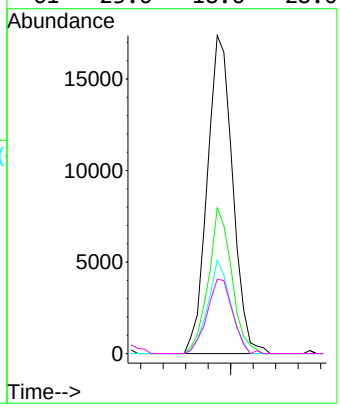
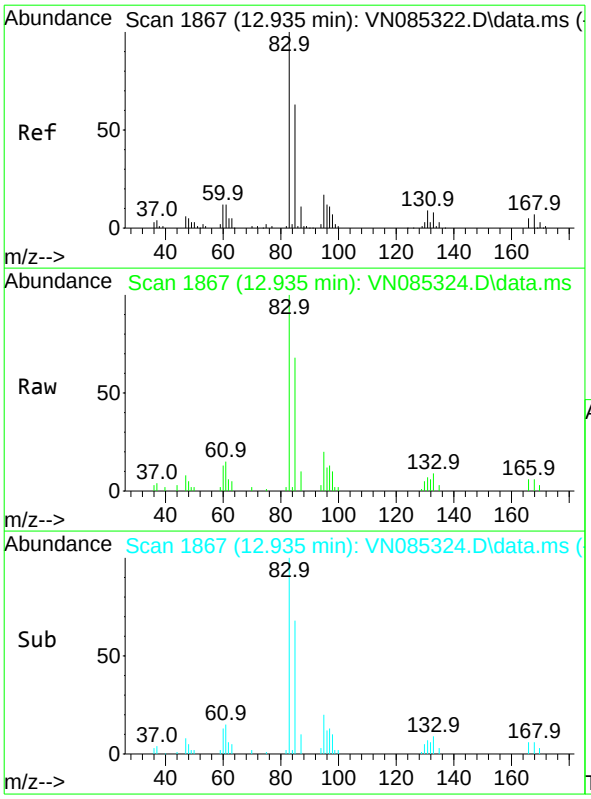


#74
N-amyl acetate
Concen: 9.650 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 27209

Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.4	50.0
55	26.2	19.2	28.8
61	23.6	18.6	28.0

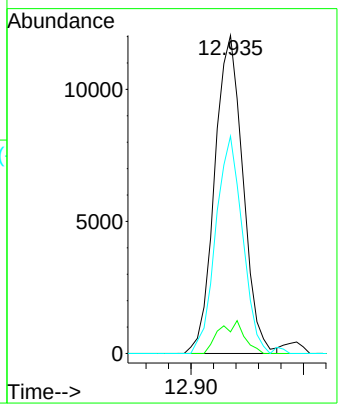




#75
1,1,2,2-Tetrachloroethane
Concen: 10.031 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 83 Resp: 21045

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	64.5	32.6	98.0



Instrument :
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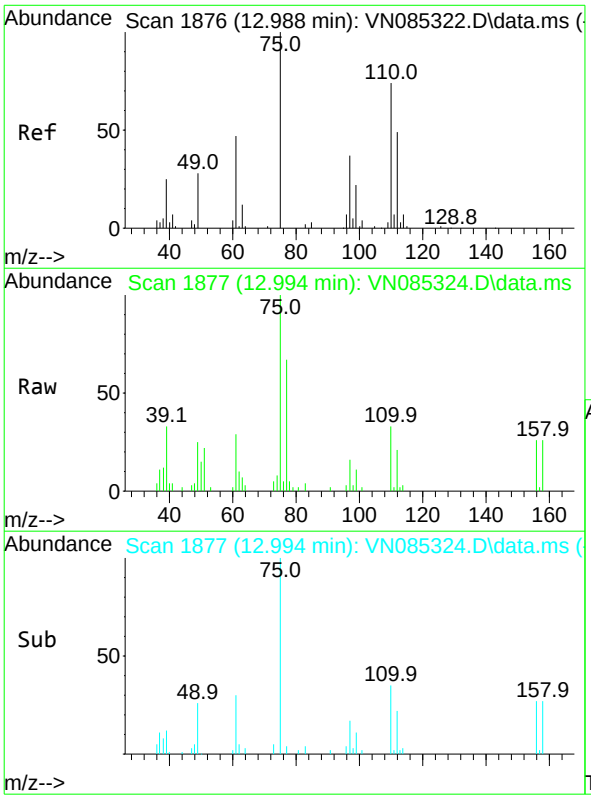
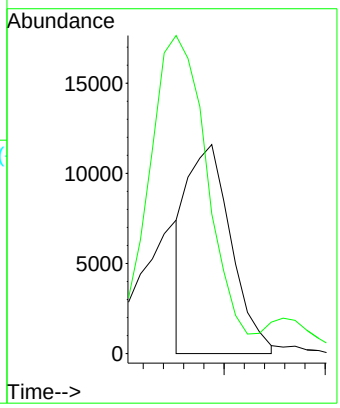
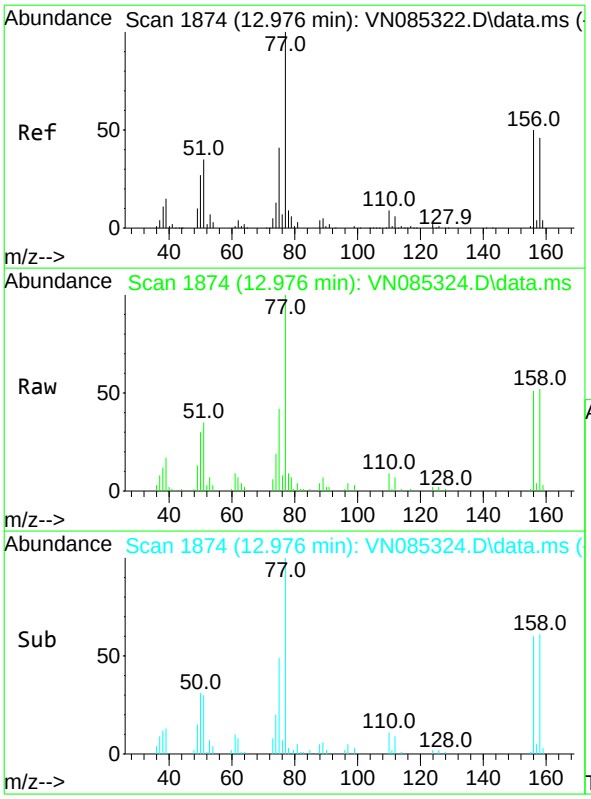


#76
1,2,3-Trichloropropane
Concen: 9.959 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 17525

Ion	Ratio	Lower	Upper
75	100		
77	205.6	98.1	294.3

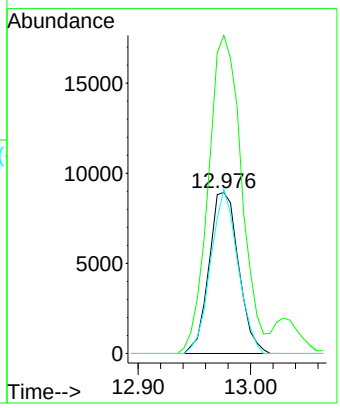




#77
Bromobenzene
Concen: 9.995 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:156 Resp: 16311

Ion	Ratio	Lower	Upper
156	100		
77	220.9	114.0	342.0
158	93.8	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
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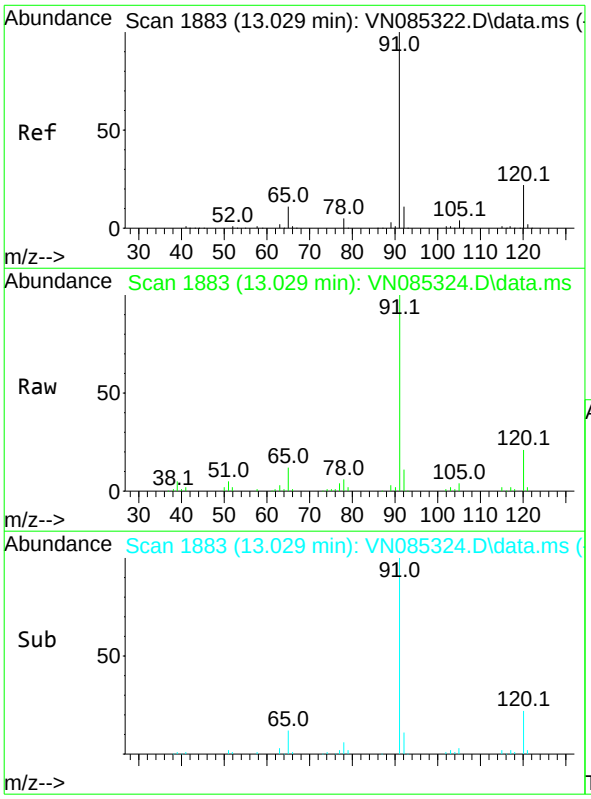
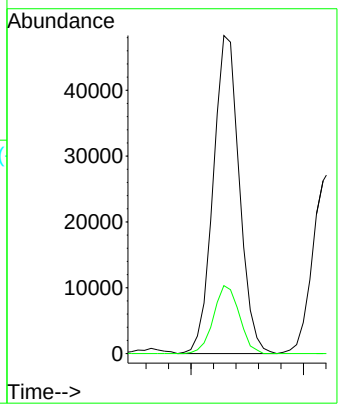
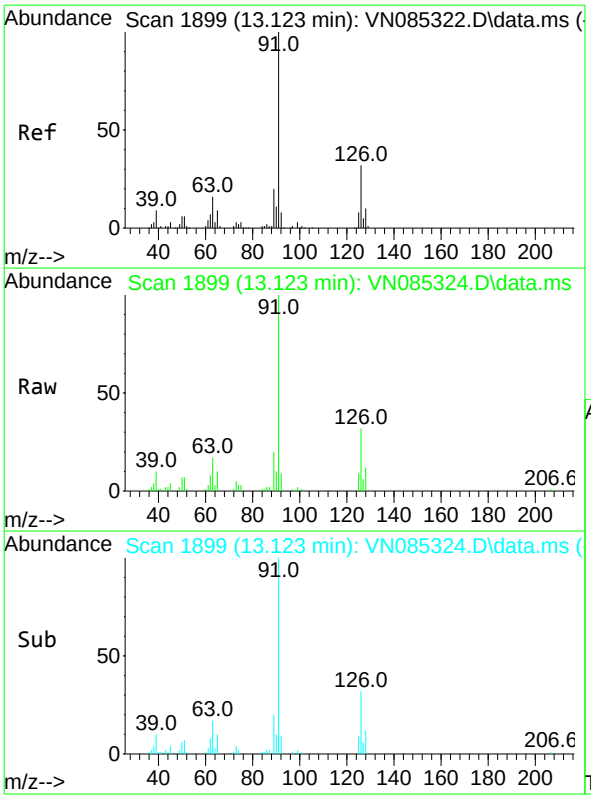


#78
n-propylbenzene
Concen: 10.161 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 78022

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.9

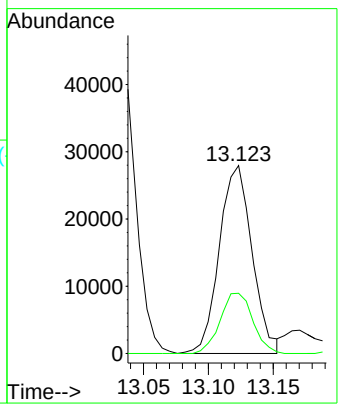




#79
2-Chlorotoluene
Concen: 10.189 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 49236

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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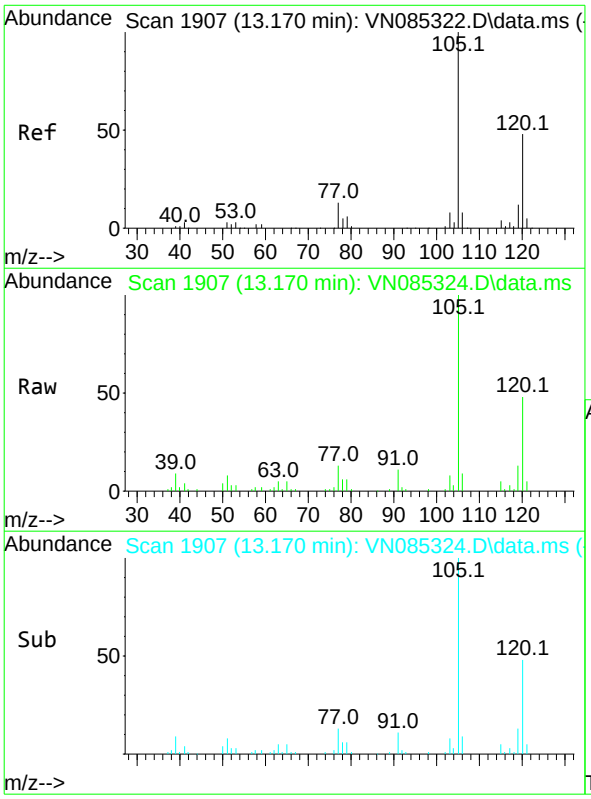
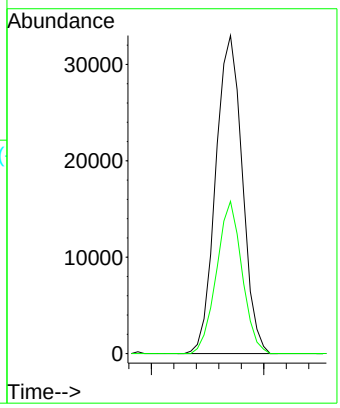
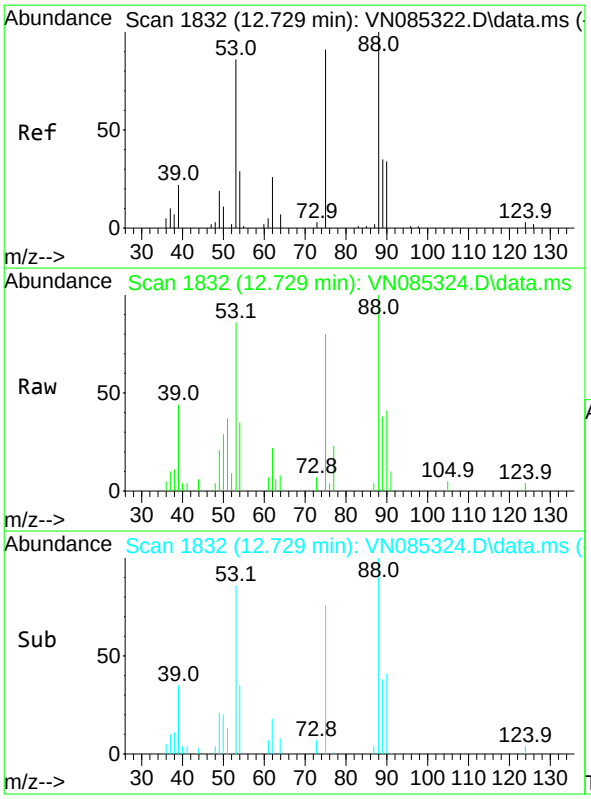


#80
1,3,5-Trimethylbenzene
Concen: 10.171 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 54193

Ion	Ratio	Lower	Upper
105	100		
120	45.9	24.0	72.0

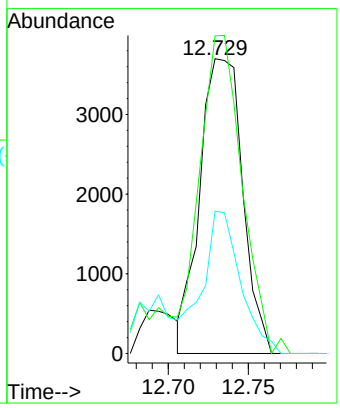




#81
trans-1,4-Dichloro-2-butene
Concen: 9.676 ug/l m
RT: 12.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 6879

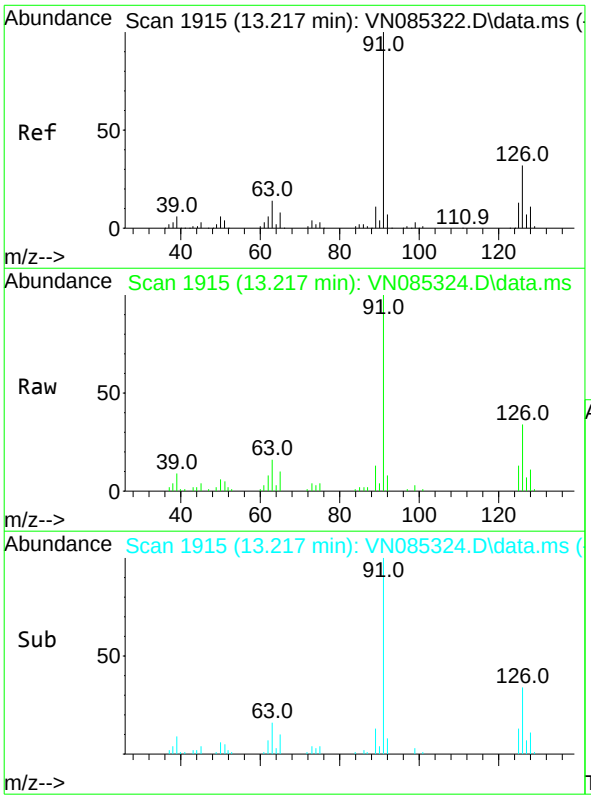
Ion	Ratio	Lower	Upper
75	100		
53	106.6	80.0	120.0
89	43.2	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

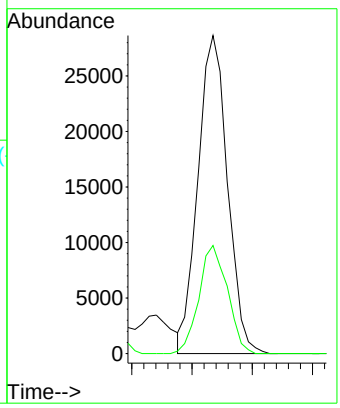
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

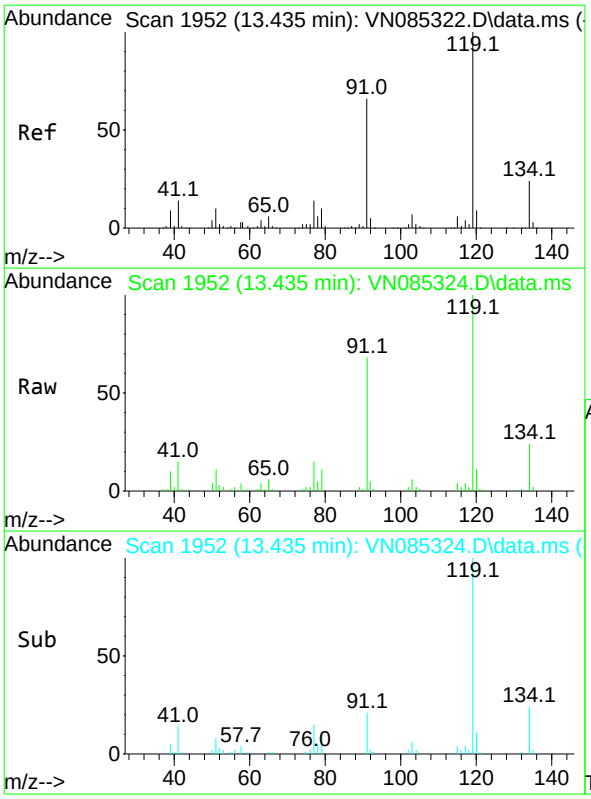


#82
4-Chlorotoluene
Concen: 10.017 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 48752

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

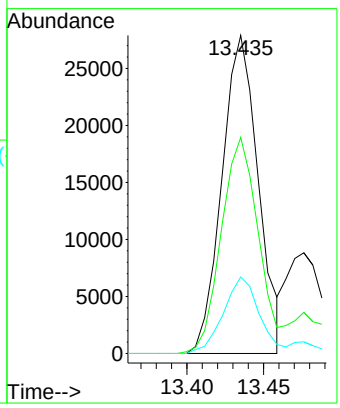




#83
tert-Butylbenzene
Concen: 9.955 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:119 Resp: 45946

Ion	Ratio	Lower	Upper
119	100		
91	70.4	33.6	100.8
134	23.8	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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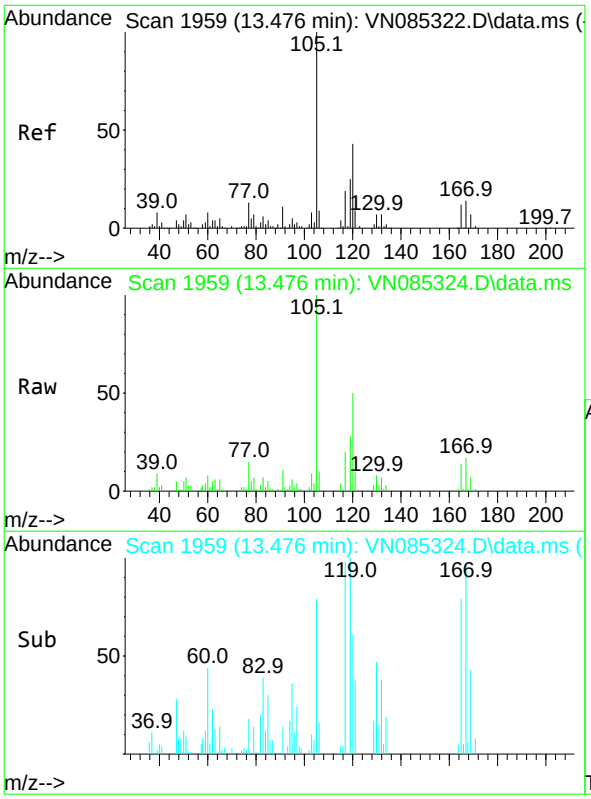
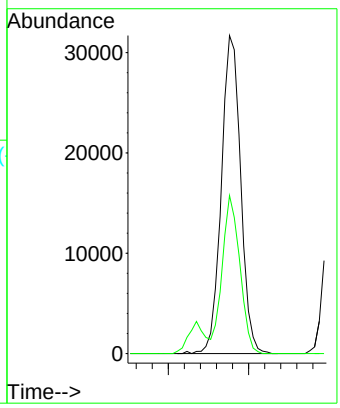
Supervised By :Mahesh Dadoda 12/30/2024

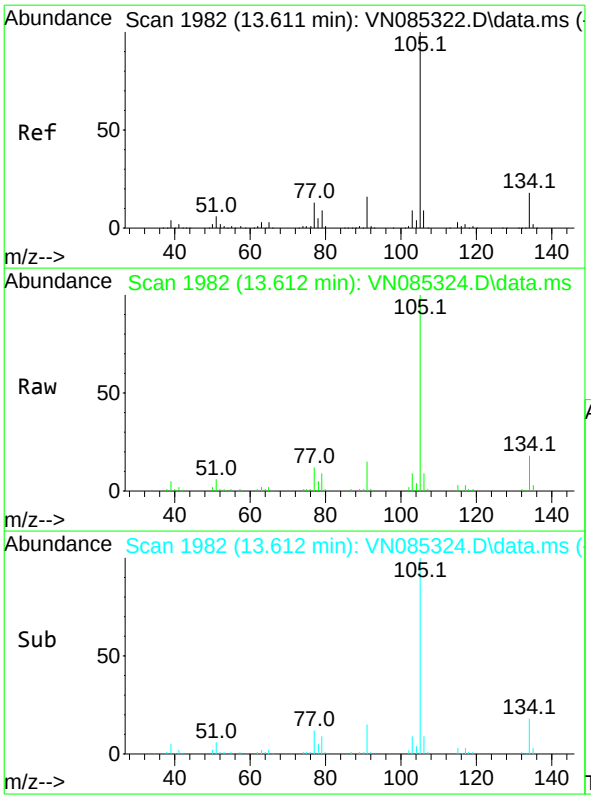


#84
1,2,4-Trimethylbenzene
Concen: 9.996 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 53034

Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.7	65.1

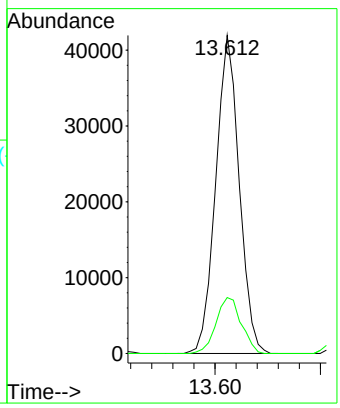




#85
sec-Butylbenzene
Concen: 10.118 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 64824

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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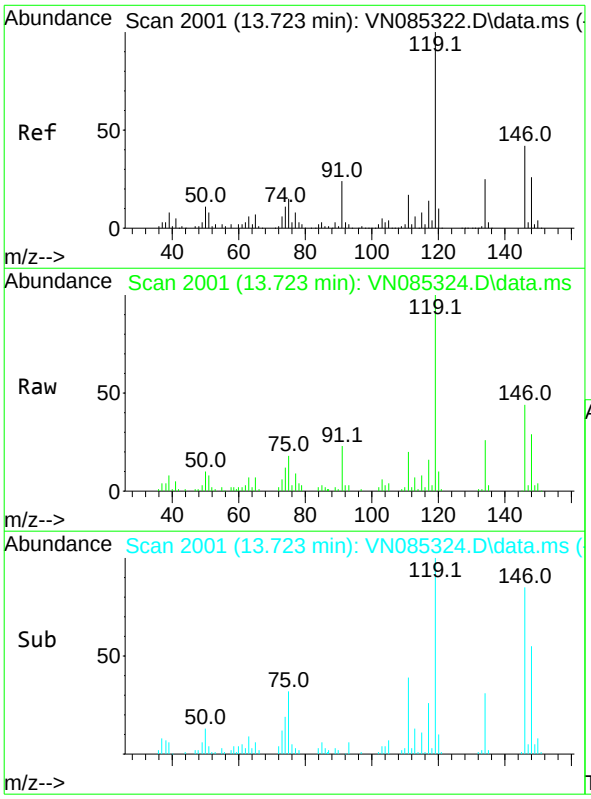
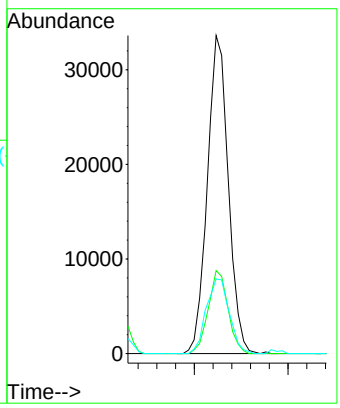
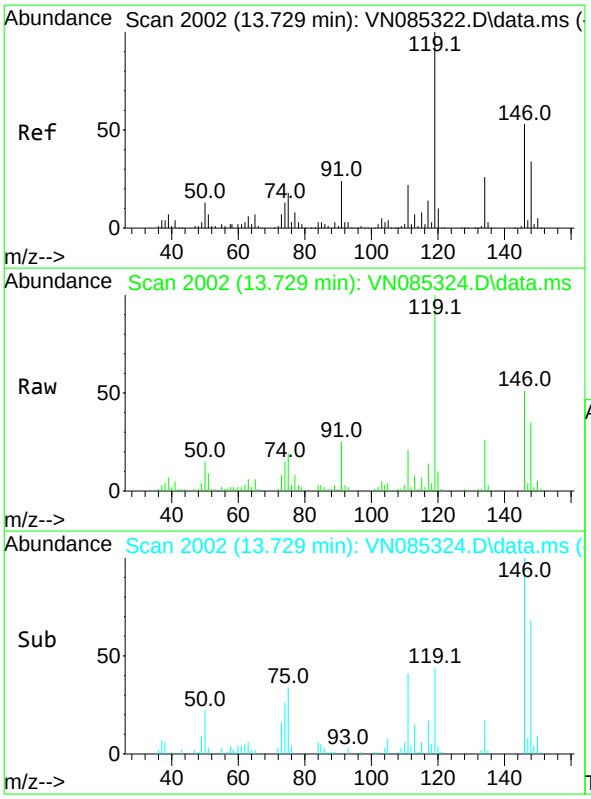


#86
p-Isopropyltoluene
Concen: 9.726 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:119 Resp: 52240

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	25.7	12.2	36.4

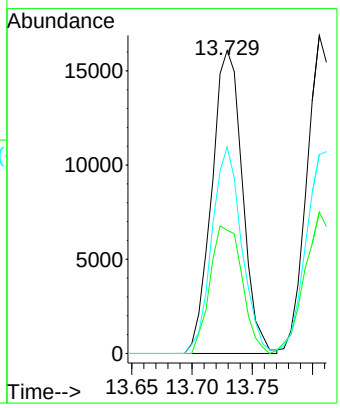




#87
1,3-Dichlorobenzene
Concen: 9.627 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:146 Resp: 28481

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	66.0	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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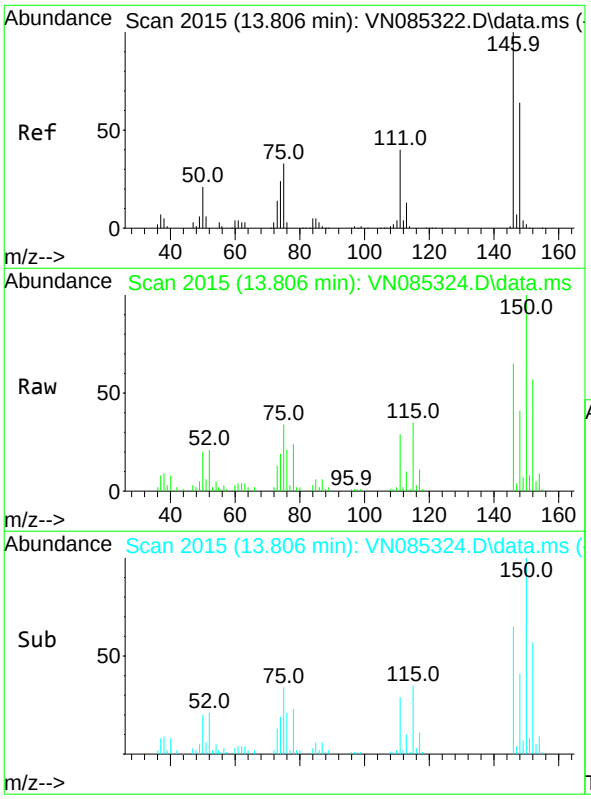
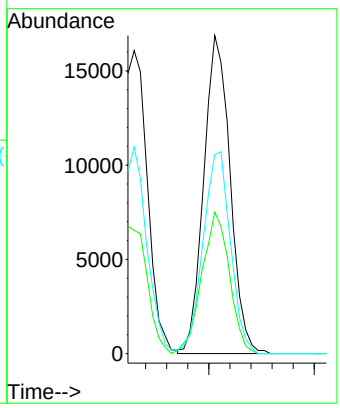
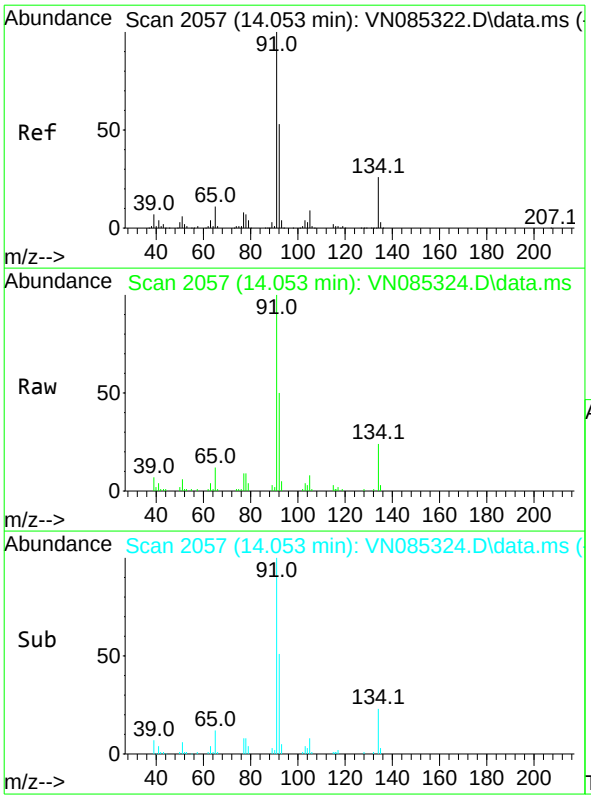


#88
1,4-Dichlorobenzene
Concen: 9.656 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:146 Resp: 29343

Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.8	62.5
148	66.1	31.7	95.1

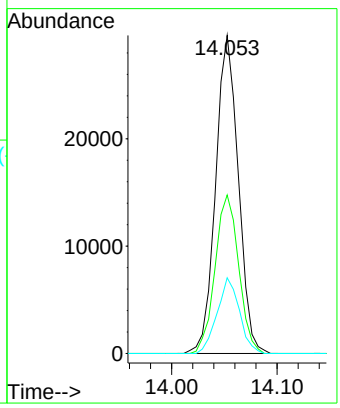




#89
n-Butylbenzene
Concen: 9.440 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 44284

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	23.4	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

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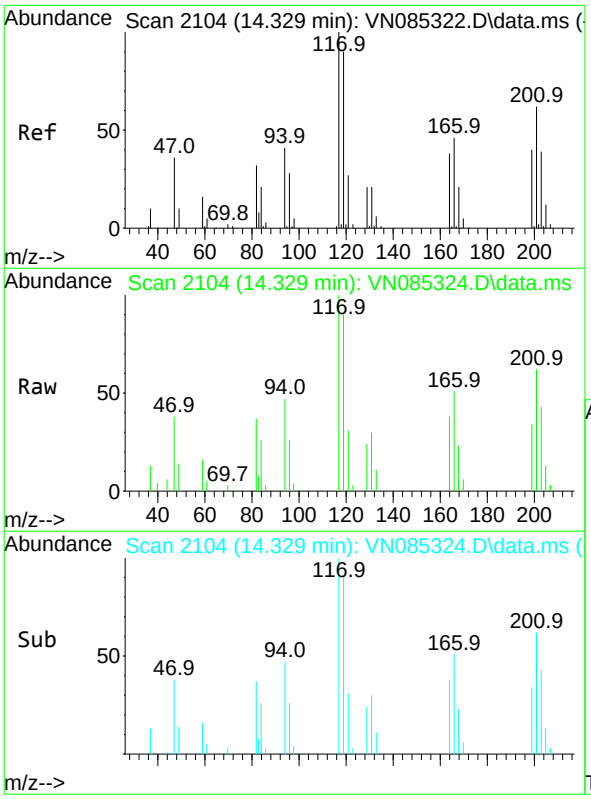
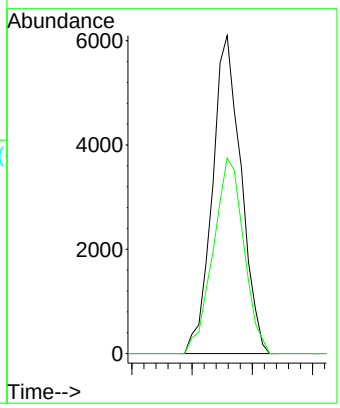
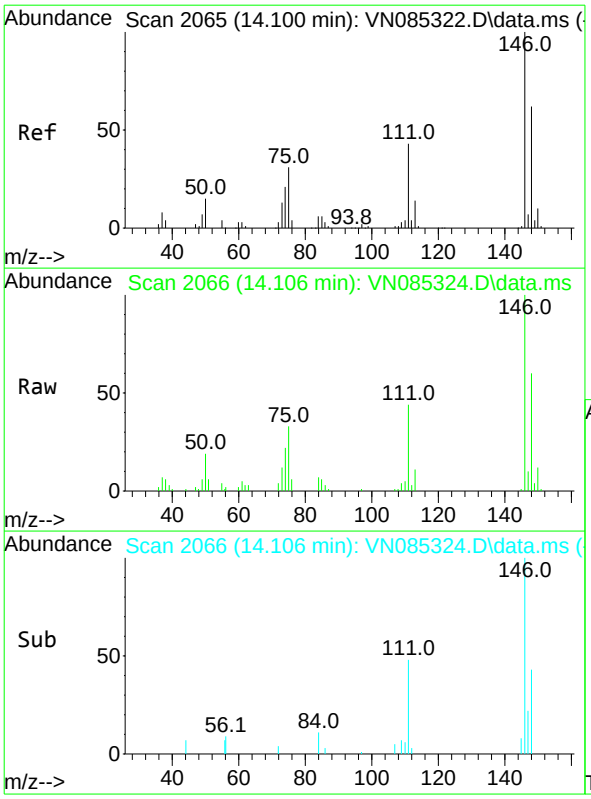


#90
Hexachloroethane
Concen: 9.609 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:117 Resp: 10091

Ion	Ratio	Lower	Upper
117	100		
201	65.6	30.7	92.1

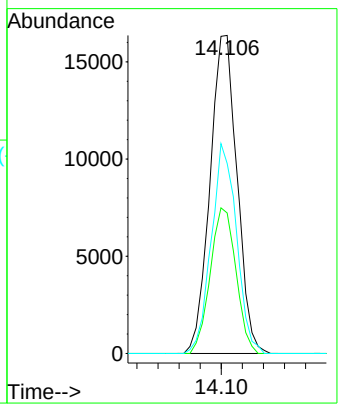




#91
1,2-Dichlorobenzene
Concen: 10.348 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:146 Resp: 29163

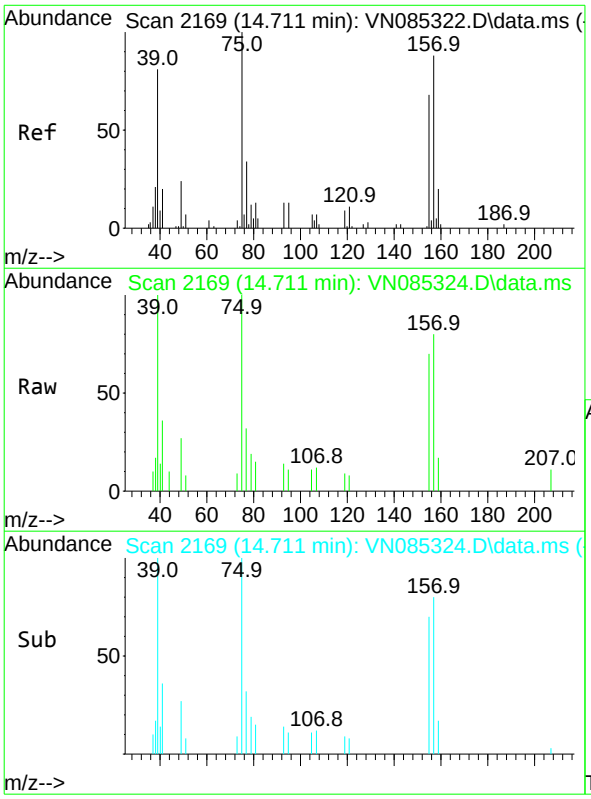
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	61.5	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

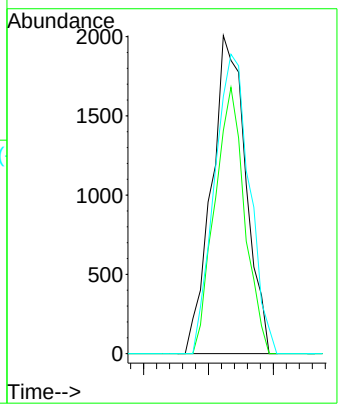
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

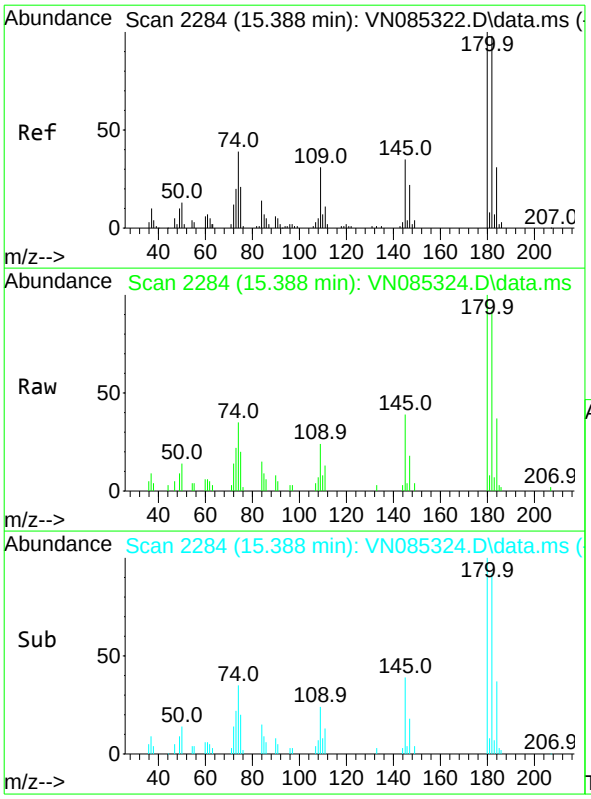


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.818 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 3666

Ion	Ratio	Lower	Upper
75	100		
155	73.4	35.6	106.9
157	96.6	47.0	141.0

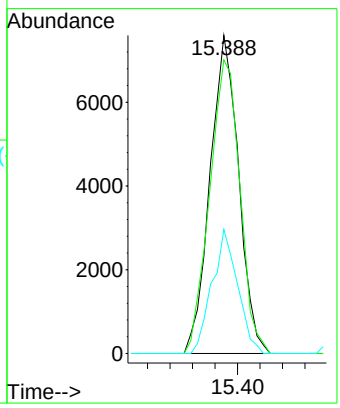




#93
1,2,4-Trichlorobenzene
Concen: 9.538 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:180 Resp: 13416

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.2	141.6
145	34.8	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

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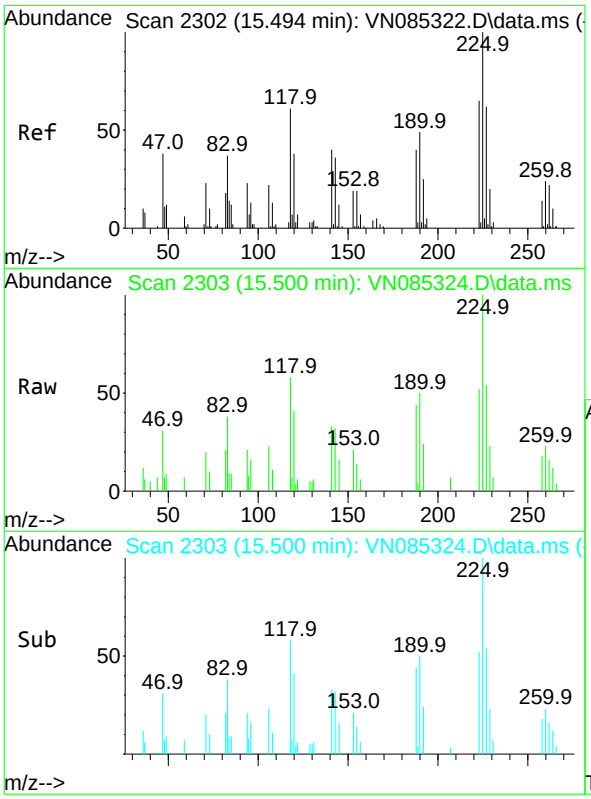
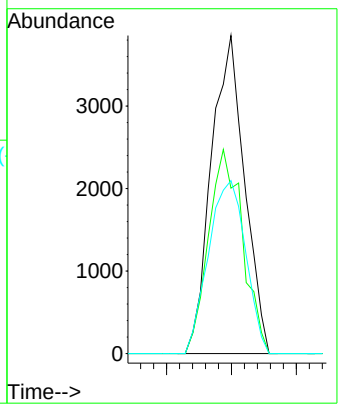
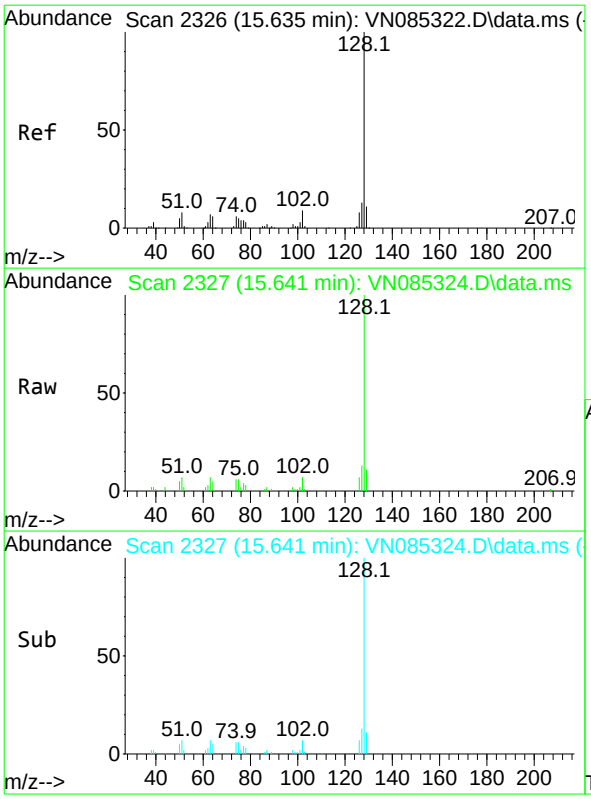


#94
Hexachlorobutadiene
Concen: 9.830 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:225 Resp: 6870

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.6	94.7
227	60.8	30.3	91.0

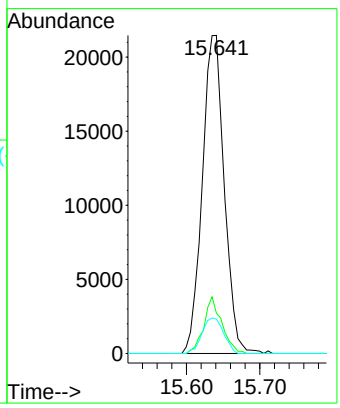




#95
Naphthalene
Concen: 9.374 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:128 Resp: 44712

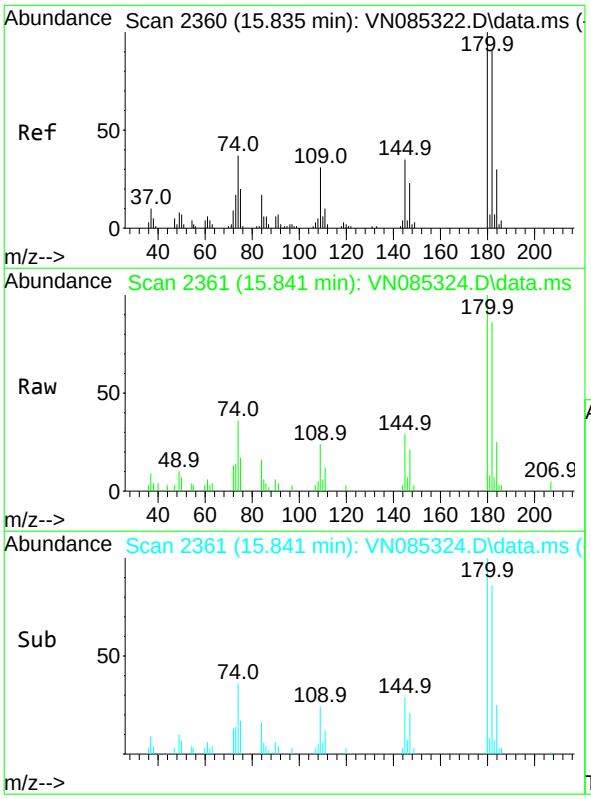
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	11.0	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

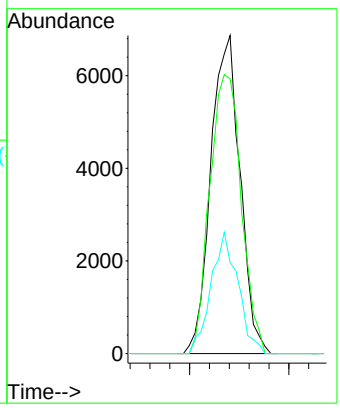
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 10.012 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:180 Resp: 14070

Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.8	140.4
145	35.2	17.2	51.6



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	147779	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	263044	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	226122	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96471	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	11186	5.307	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.620%#			
35) Dibromofluoromethane	8.159	113	8683	5.291	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.580%#			
50) Toluene-d8	10.565	98	32316	5.367	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.740%#			
62) 4-Bromofluorobenzene	12.841	95	10066	5.033	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.060%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9959	4.983	ug/l		87
3) Chloromethane	2.359	50	10992	4.893	ug/l		94
4) Vinyl Chloride	2.512	62	12286	5.172	ug/l		98
5) Bromomethane	2.954	94	8726	5.616	ug/l		96
6) Chloroethane	3.118	64	7888	5.236	ug/l		100
7) Trichlorofluoromethane	3.501	101	15924	5.099	ug/l		97
8) Diethyl Ether	3.953	74	5358	5.182	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.365	101	9363	5.270	ug/l	#	48
10) Methyl Iodide	4.589	142	9845	4.788	ug/l	#	93
11) Tert butyl alcohol	5.518	59	7128	27.007	ug/l	#	84
12) 1,1-Dichloroethene	4.336	96	8833	5.379	ug/l		79
13) Acrolein	4.177	56	11310	27.485	ug/l		100
14) Allyl chloride	5.018	41	13153	5.004	ug/l		93
15) Acrylonitrile	5.724	53	20549	24.737	ug/l		98
16) Acetone	4.424	43	17276	24.926	ug/l		94
17) Carbon Disulfide	4.706	76	25152	5.035	ug/l		98
18) Methyl Acetate	5.030	43	10628	5.009	ug/l		98
19) Methyl tert-butyl Ether	5.795	73	26395	4.945	ug/l		97
20) Methylene Chloride	5.277	84	9500	5.096	ug/l		86
21) trans-1,2-Dichloroethene	5.777	96	8724	5.085	ug/l		87
22) Diisopropyl ether	6.665	45	29256	5.165	ug/l	#	92
23) Vinyl Acetate	6.600	43	99465m	24.429	ug/l		
24) 1,1-Dichloroethane	6.571	63	17288	5.067	ug/l		94
25) 2-Butanone	7.483	43	27176	25.274	ug/l		99
26) 2,2-Dichloropropane	7.489	77	15617	5.225	ug/l		97
27) cis-1,2-Dichloroethene	7.483	96	9778	4.856	ug/l		92
28) Bromochloromethane	7.806	49	8779	5.537	ug/l	#	98
29) Tetrahydrofuran	7.836	42	17009	24.557	ug/l		97
30) Chloroform	7.959	83	17135	4.909	ug/l		97
31) Cyclohexane	8.259	56	17671	5.672	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	15694	5.035	ug/l	#	87
36) 1,1-Dichloropropene	8.365	75	12017	5.001	ug/l		98
37) Ethyl Acetate	7.559	43	11648	4.877	ug/l	#	96
38) Carbon Tetrachloride	8.359	117	12952	4.945	ug/l		91
39) Methylcyclohexane	9.600	83	11831	4.746	ug/l	#	92
40) Benzene	8.600	78	36472	5.021	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	6242	5.104 ug/l	99
42) 1,2-Dichloroethane	8.665	62	12978	4.983 ug/l	97
43) Isopropyl Acetate	8.688	43	18930	4.814 ug/l	99
44) Trichloroethene	9.347	130	8533	4.961 ug/l	93
45) 1,2-Dichloropropane	9.618	63	9143	4.958 ug/l	99
46) Dibromomethane	9.706	93	6573	5.125 ug/l	98
47) Bromodichloromethane	9.888	83	13450	5.046 ug/l	99
48) Methyl methacrylate	9.682	41	8311	4.871 ug/l	98
49) 1,4-Dioxane	9.694	88	2520	97.886 ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	54831	24.812 ug/l	99
52) Toluene	10.624	92	21799	5.040 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	13088	4.993 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	13900	4.904 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	8634	5.287 ug/l	91
56) Ethyl methacrylate	10.871	69	10291	4.327 ug/l	98
57) 1,3-Dichloropropane	11.159	76	14548	5.076 ug/l	96
58) 2-Chloroethyl Vinyl ether	10.153	63	28647	24.895 ug/l	98
59) 2-Hexanone	11.188	43	36958	24.105 ug/l	99
60) Dibromochloromethane	11.359	129	9180	4.991 ug/l	96
61) 1,2-Dibromoethane	11.465	107	8013	4.960 ug/l	99
64) Tetrachloroethene	11.106	164	7300	5.095 ug/l	84
65) Chlorobenzene	11.888	112	24138	4.940 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	7880	4.805 ug/l	94
67) Ethyl Benzene	11.959	91	39102	4.812 ug/l	95
68) m/p-Xylenes	12.065	106	29104	9.786 ug/l	96
69) o-Xylene	12.394	106	13620	4.734 ug/l	98
70) Styrene	12.406	104	21804	4.676 ug/l	99
71) Bromoform	12.571	173	5494	4.837 ug/l #	99
73) Isopropylbenzene	12.694	105	35544	5.124 ug/l	97
74) N-amyl acetate	12.494	43	13811	4.651 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	11349	5.137 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	9049m	4.883 ug/l	
77) Bromobenzene	12.976	156	8544	4.971 ug/l	98
78) n-propylbenzene	13.029	91	38185	4.722 ug/l	99
79) 2-Chlorotoluene	13.123	91	26279	5.164 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	27787	4.952 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.729	75	3288	4.391 ug/l	95
82) 4-Chlorotoluene	13.218	91	25709	5.016 ug/l	97
83) tert-Butylbenzene	13.435	119	24152	4.969 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	26238	4.696 ug/l	97
85) sec-Butylbenzene	13.612	105	33215	4.923 ug/l	97
86) p-Isopropyltoluene	13.723	119	25238	4.594 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	15966	5.124 ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	16072	5.022 ug/l	91
89) n-Butylbenzene	14.053	91	22807	4.616 ug/l	99
90) Hexachloroethane	14.329	117	5398	4.881 ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	14881	5.014 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2047	5.206 ug/l	94
93) 1,2,4-Trichlorobenzene	15.382	180	7250	4.894 ug/l	96
94) Hexachlorobutadiene	15.500	225	3976	5.402 ug/l	96
95) Naphthalene	15.635	128	22967	4.572 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	7594	5.131 ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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

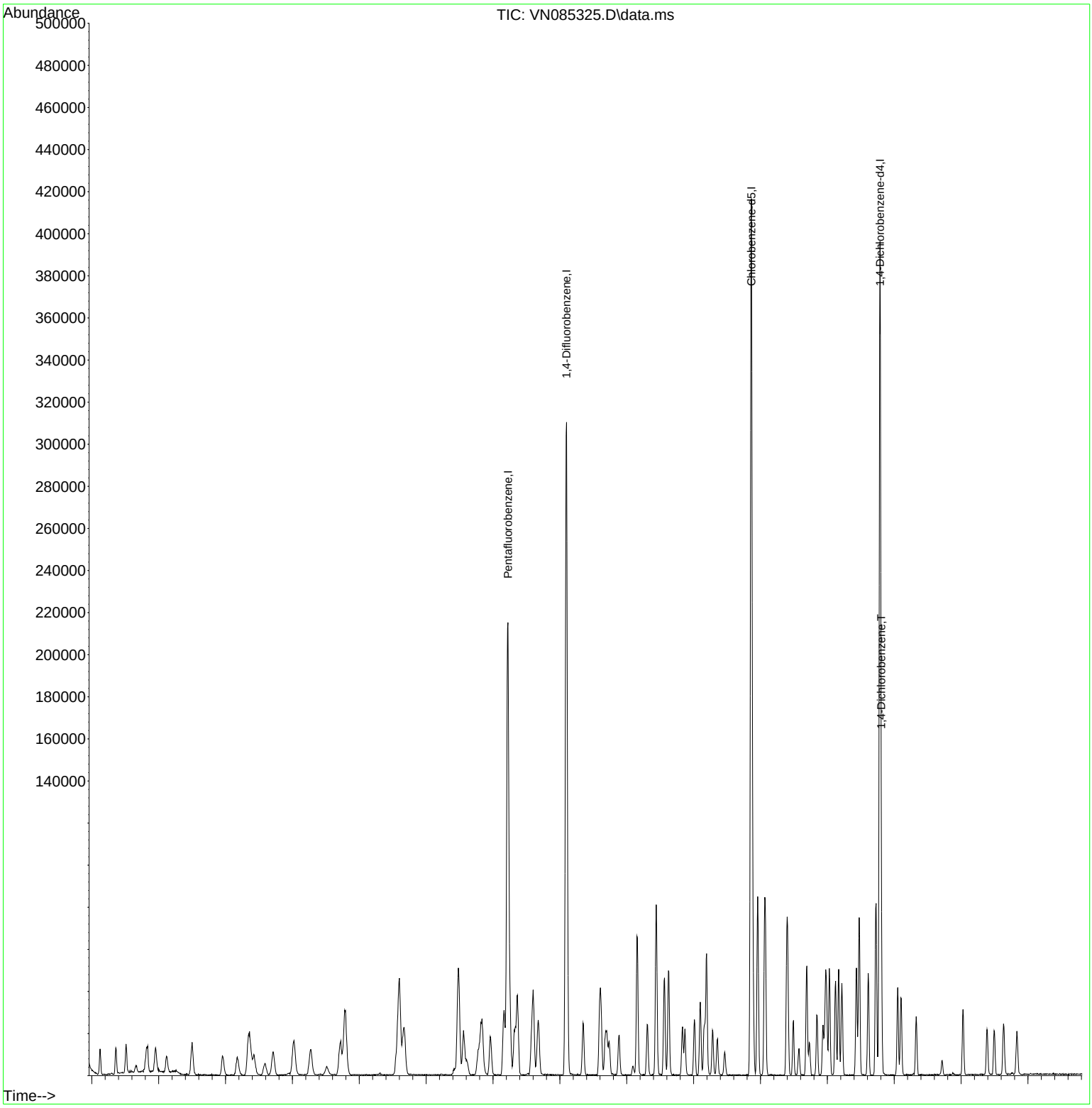
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

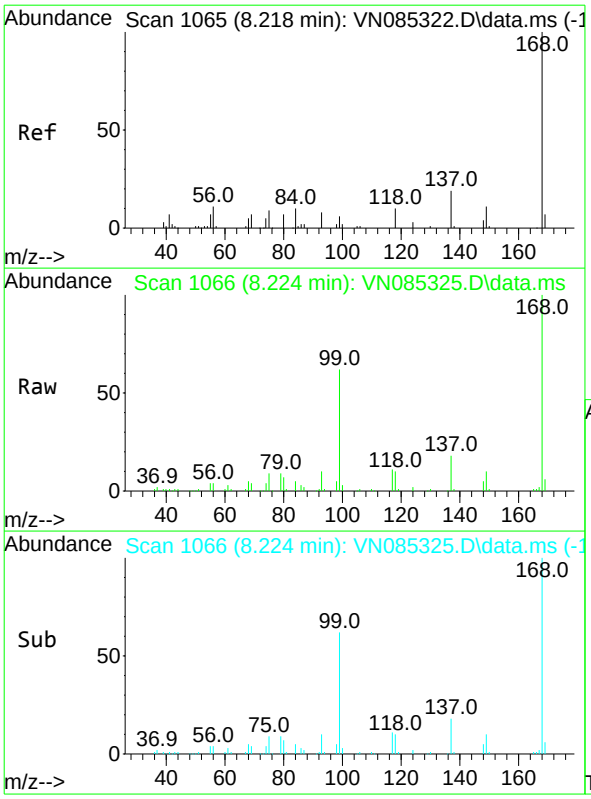
Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

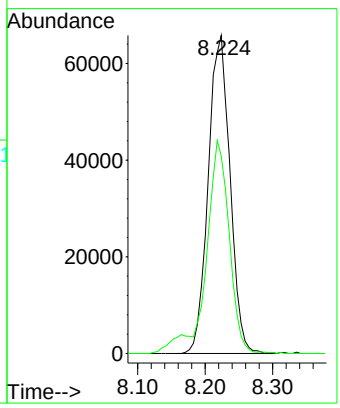




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:168 Resp: 147779

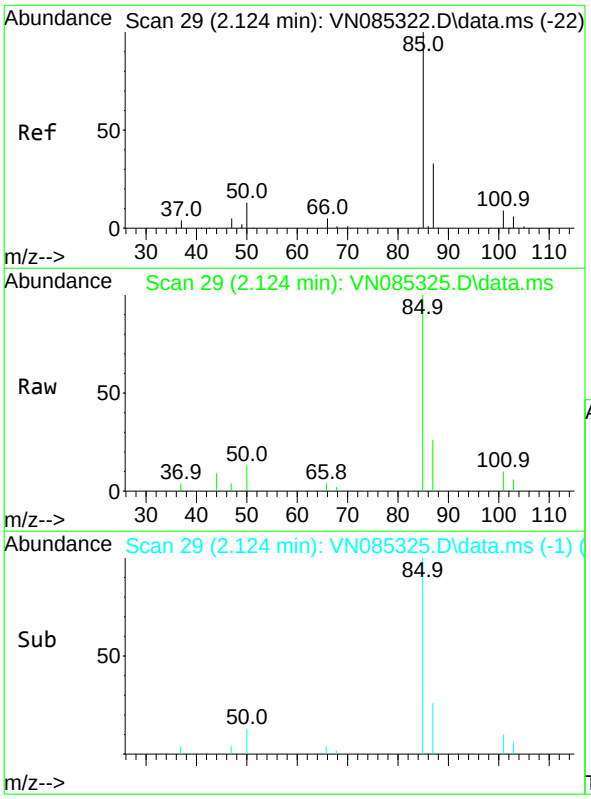
Ion	Ratio	Lower	Upper
168	100		
99	62.1	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

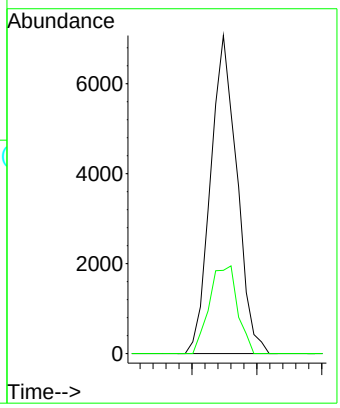
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

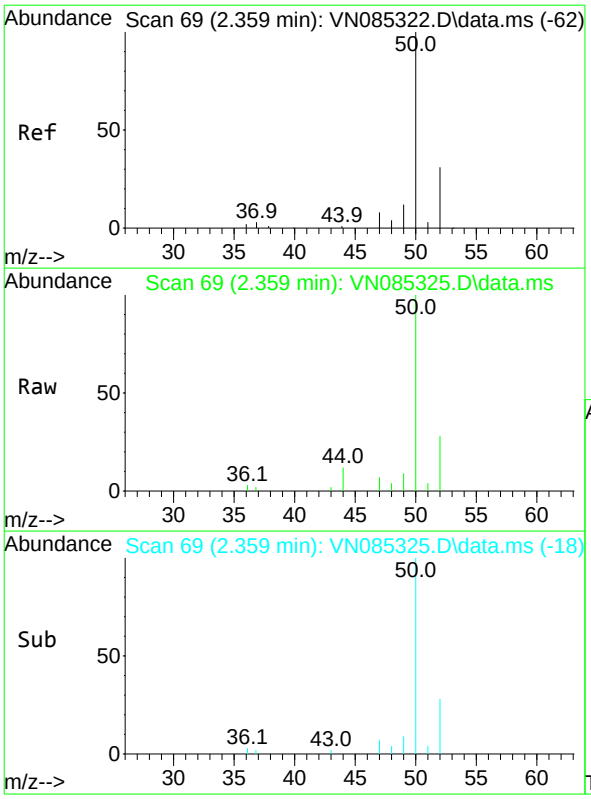


#2
Dichlorodifluoromethane
Concen: 4.983 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 85 Resp: 9959

Ion	Ratio	Lower	Upper
85	100		
87	26.2	16.8	50.3

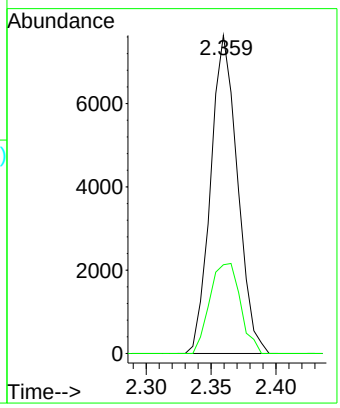




#3
Chloromethane
Concen: 4.893 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 50 Resp: 10992

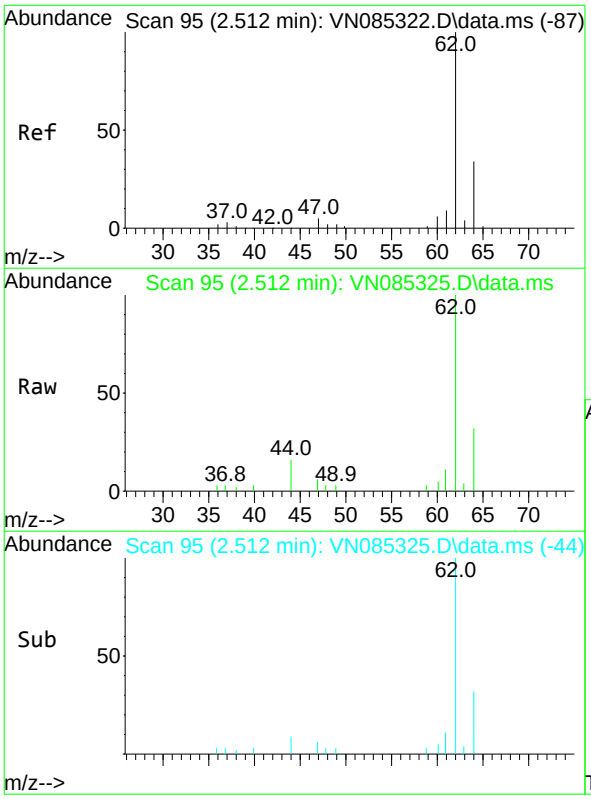
Ion	Ratio	Lower	Upper
50	100		
52	27.9	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

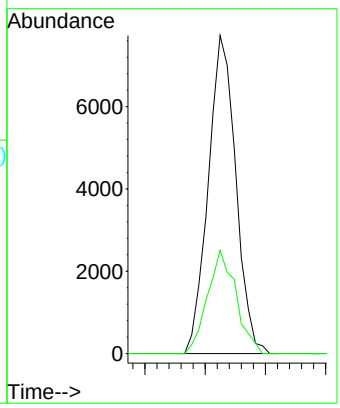
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

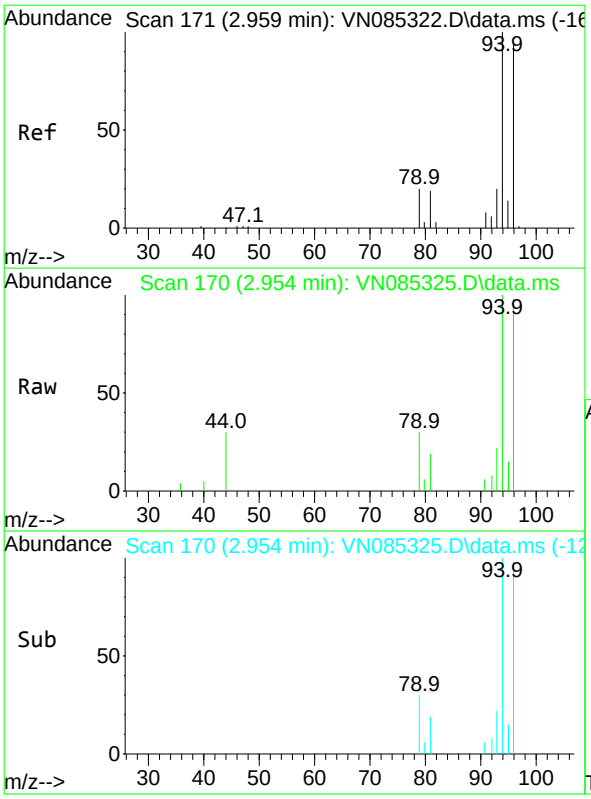


#4
Vinyl Chloride
Concen: 5.172 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 62 Resp: 12286

Ion	Ratio	Lower	Upper
62	100		
64	32.5	27.0	40.6

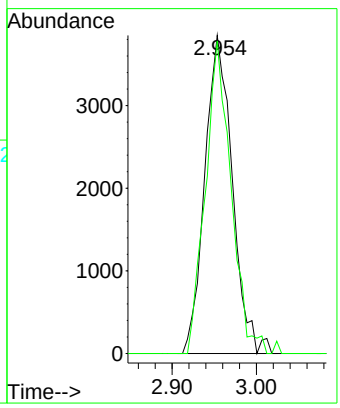




#5
Bromomethane
Concen: 5.616 ug/l
RT: 2.954 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 94 Resp: 8726

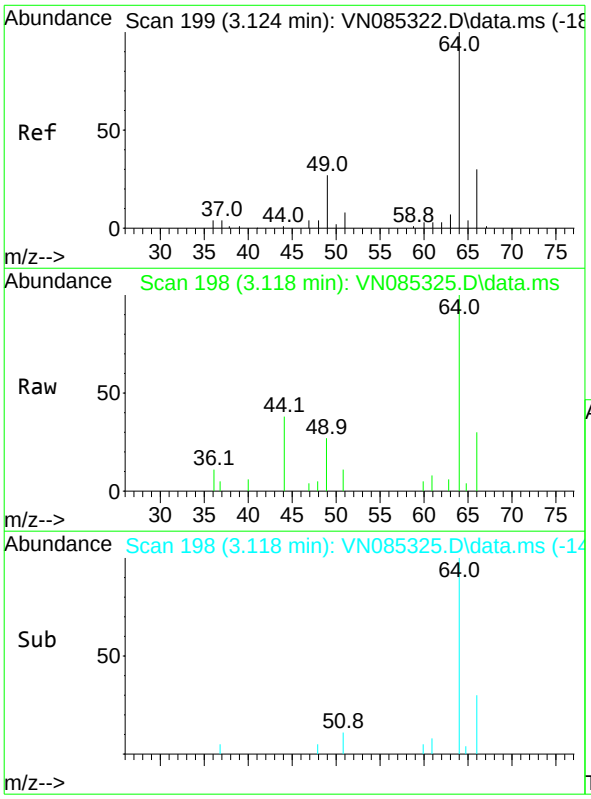
Ion	Ratio	Lower	Upper
94	100		
96	98.3	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

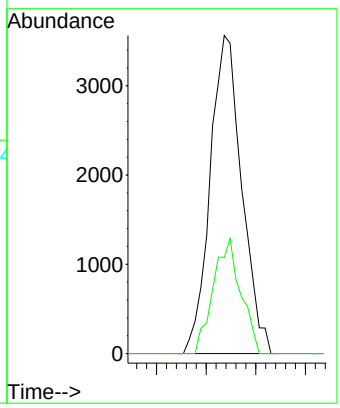
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

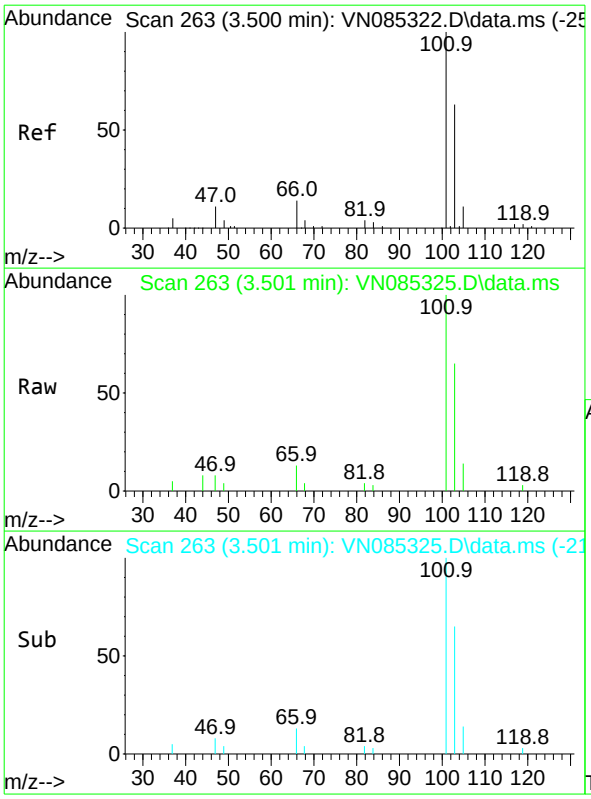


#6
Chloroethane
Concen: 5.236 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 64 Resp: 7888

Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.1	36.1

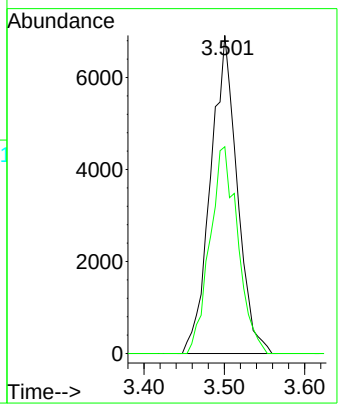




#7
Trichlorofluoromethane
Concen: 5.099 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:101 Resp: 15924

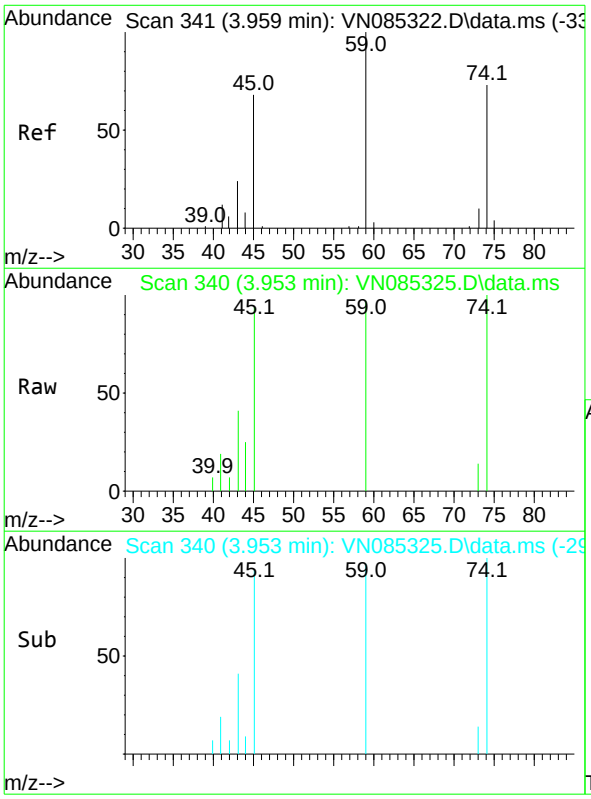
Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

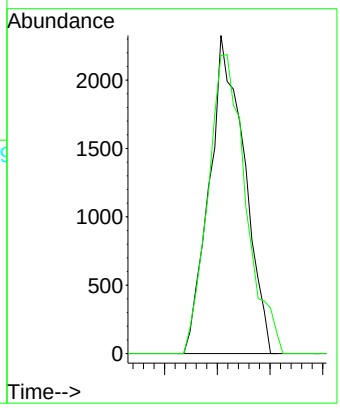
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

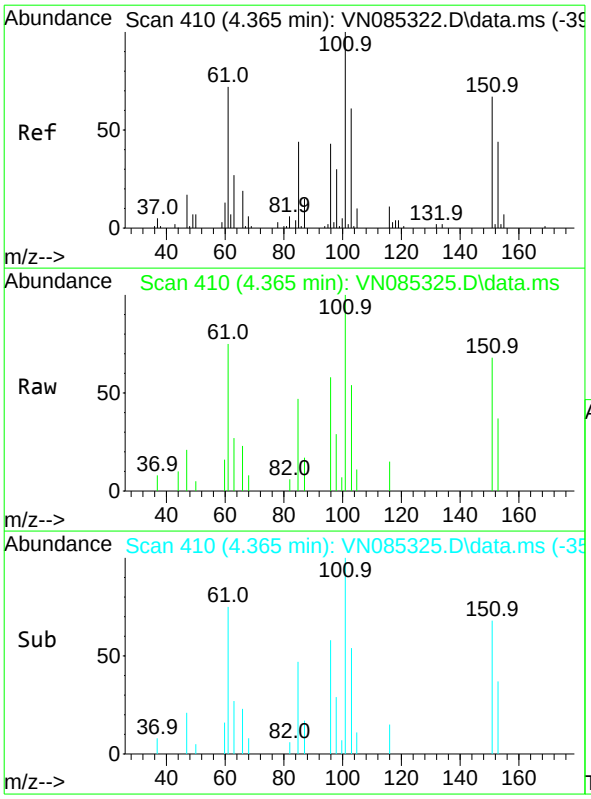


#8
Diethyl Ether
Concen: 5.182 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 74 Resp: 5358

Ion	Ratio	Lower	Upper
74	100		
45	101.4	47.5	142.6

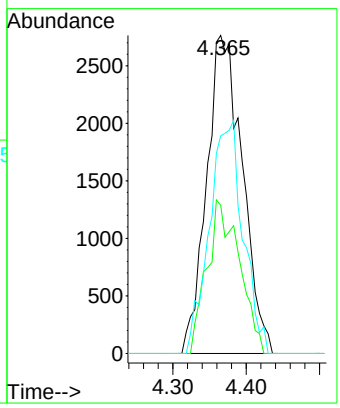




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.270 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:101 Resp: 9363

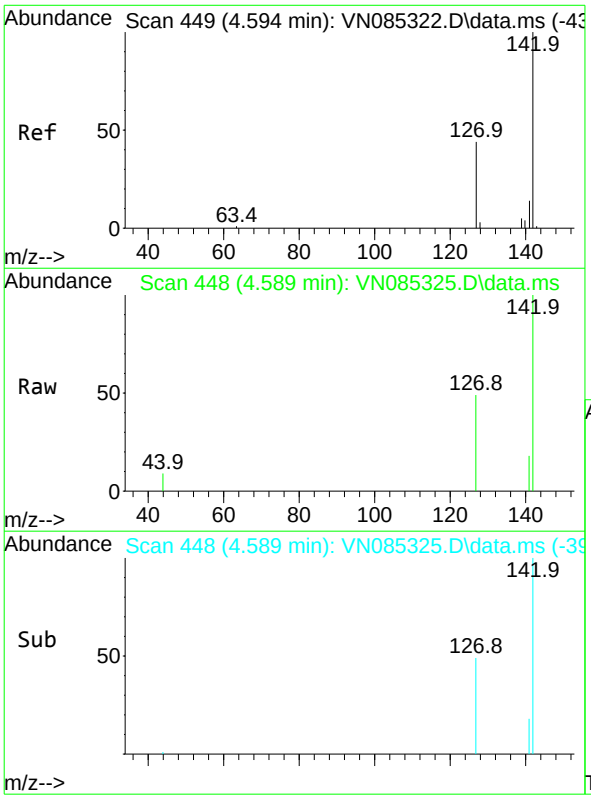
Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	0.0	55.8	83.6#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

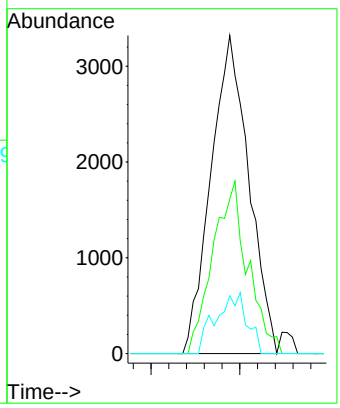
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

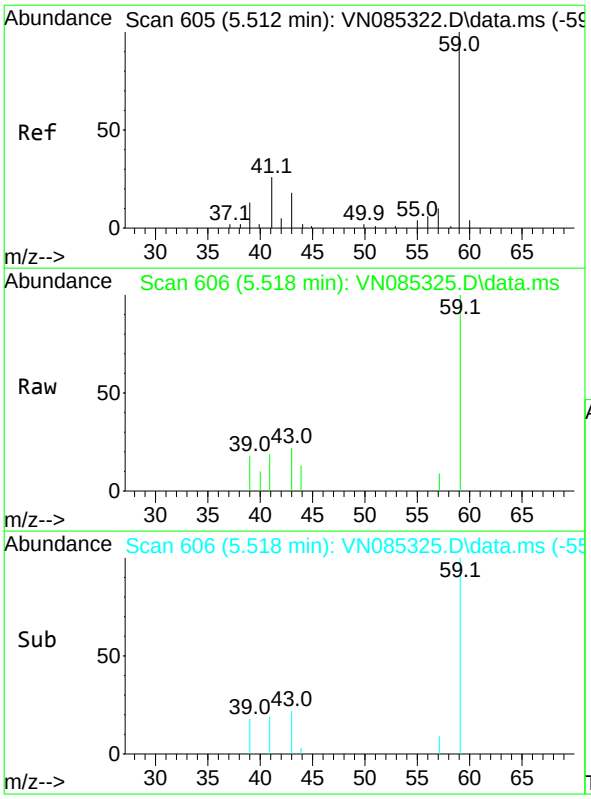


#10
Methyl Iodide
Concen: 4.788 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:142 Resp: 9845

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.3	52.9
141	18.2	11.5	17.3#

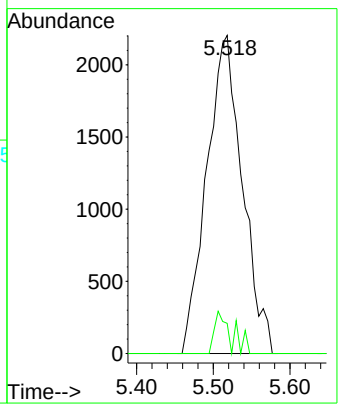




#11
Tert butyl alcohol
Concen: 27.007 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 59 Resp: 7128

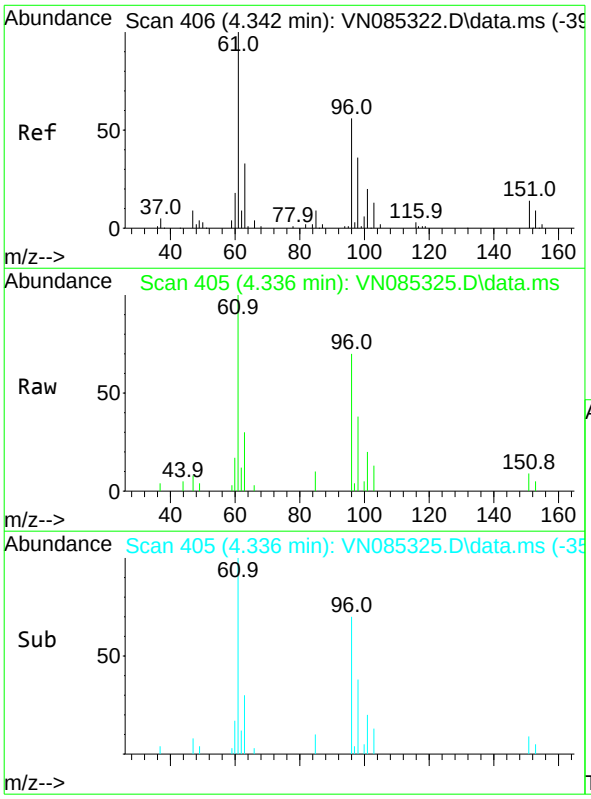
Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.1	12.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

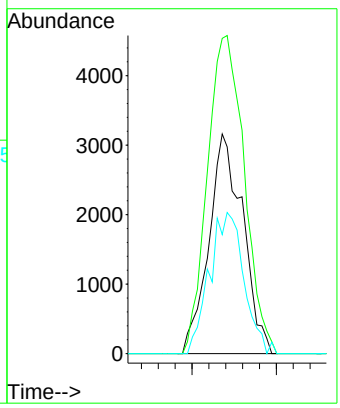
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

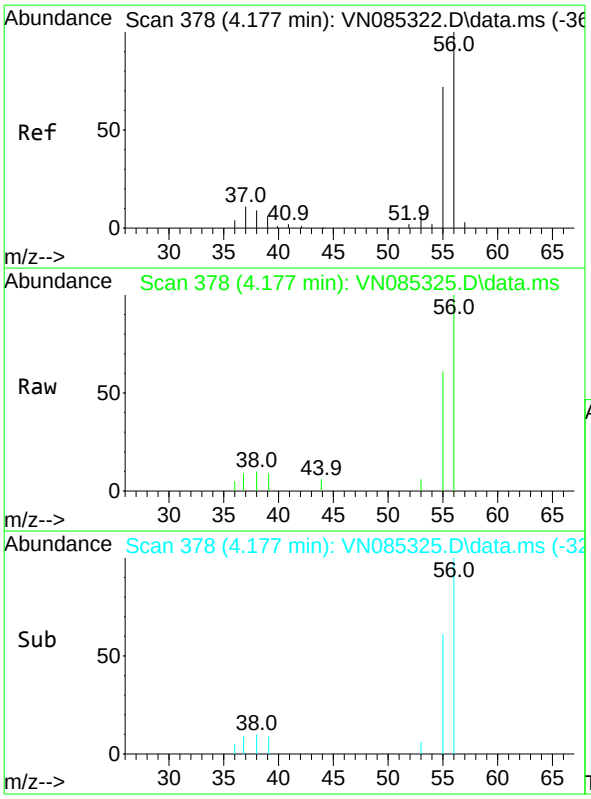


#12
1,1-Dichloroethene
Concen: 5.379 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 96 Resp: 8833

Ion	Ratio	Lower	Upper
96	100		
61	143.5	142.4	213.6
98	54.2	51.5	77.3

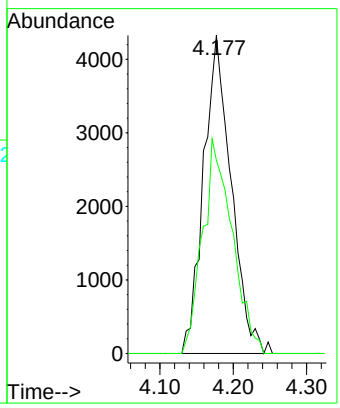




#13
Acrolein
Concen: 27.485 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 56 Resp: 11310

Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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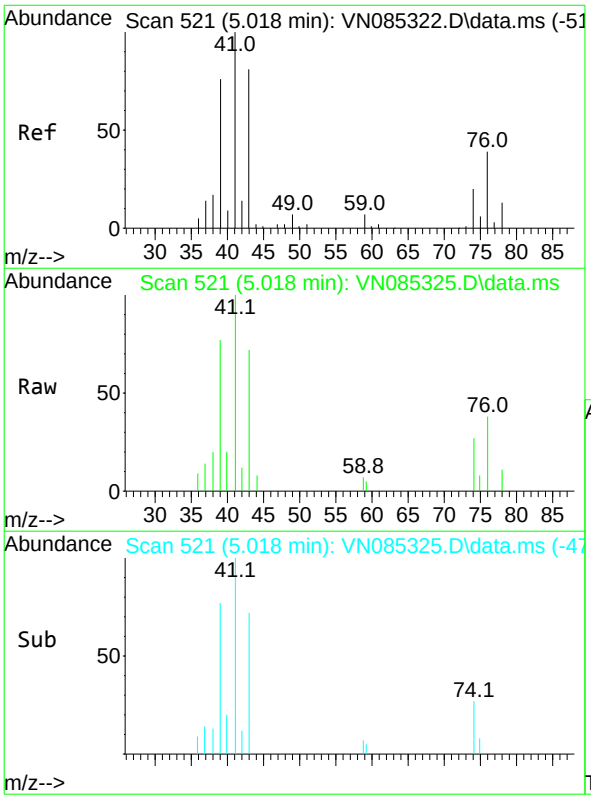
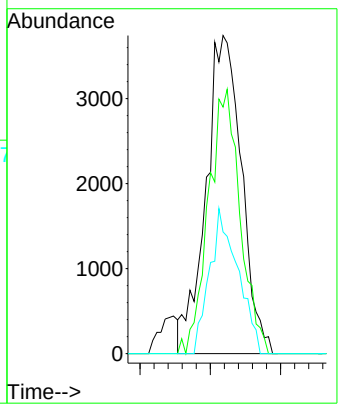
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

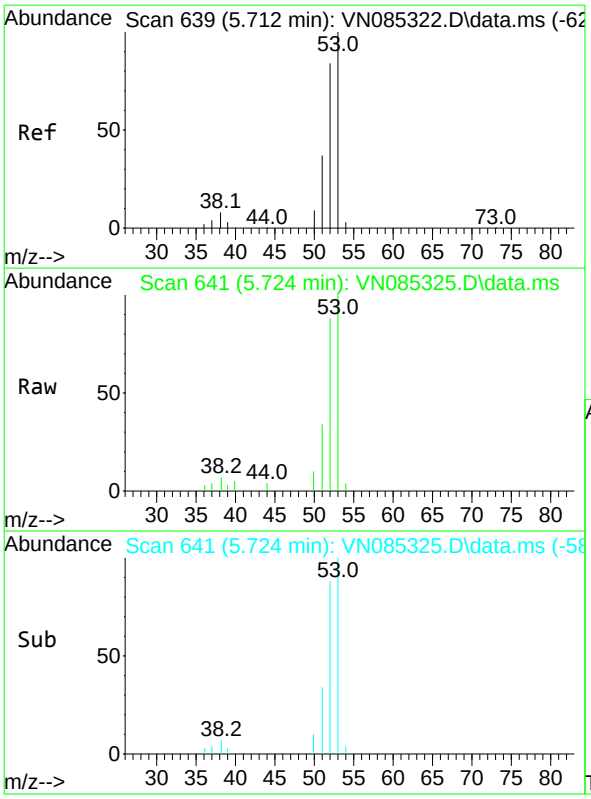


#14
Allyl chloride
Concen: 5.004 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 41 Resp: 13153

Ion	Ratio	Lower	Upper
41	100		
39	74.0	64.4	96.6
76	36.2	31.5	47.3

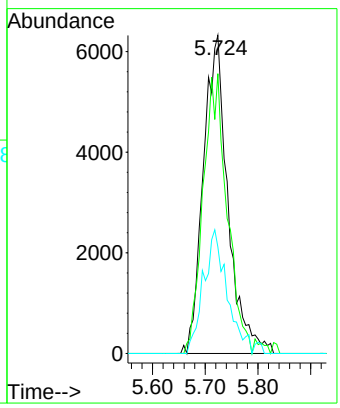




#15
Acrylonitrile
Concen: 24.737 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 53 Resp: 20549

Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.6	100.0
51	37.1	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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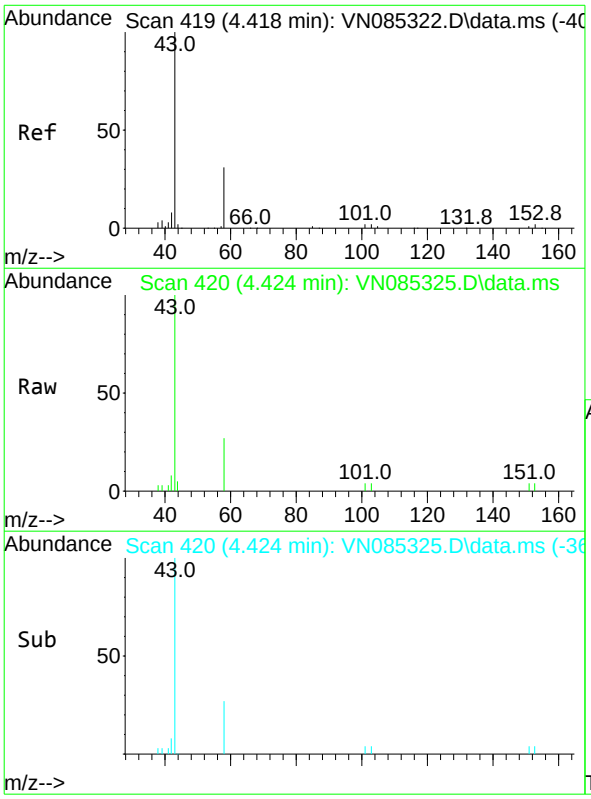
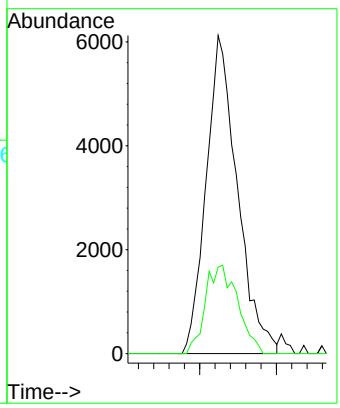
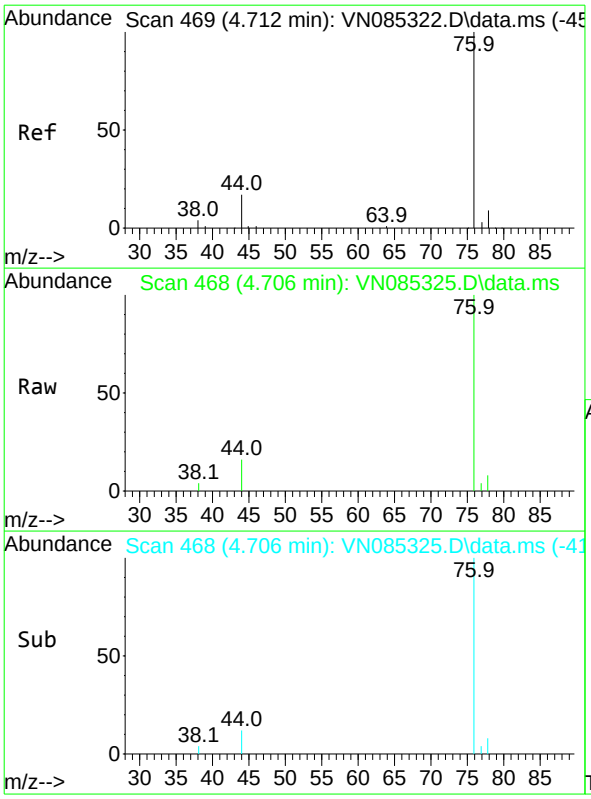


#16
Acetone
Concen: 24.926 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 17276

Ion	Ratio	Lower	Upper
43	100		
58	27.2	24.5	36.7

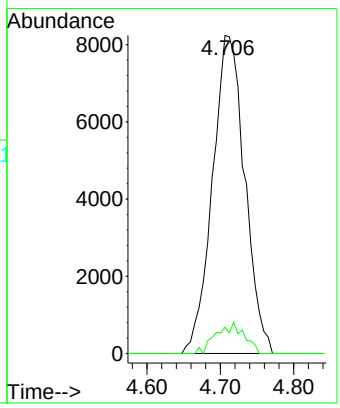




#17
Carbon Disulfide
Concen: 5.035 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 76 Resp: 25152

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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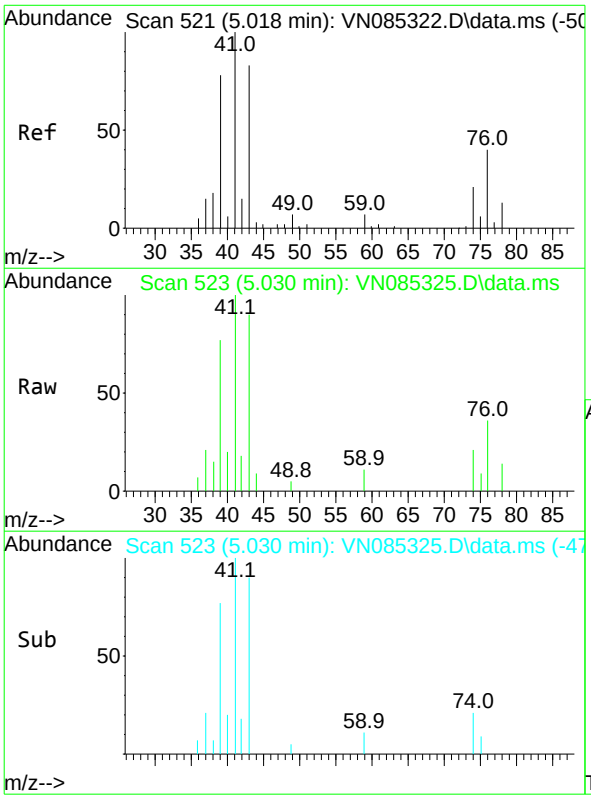
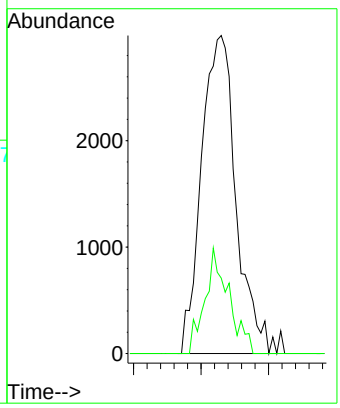
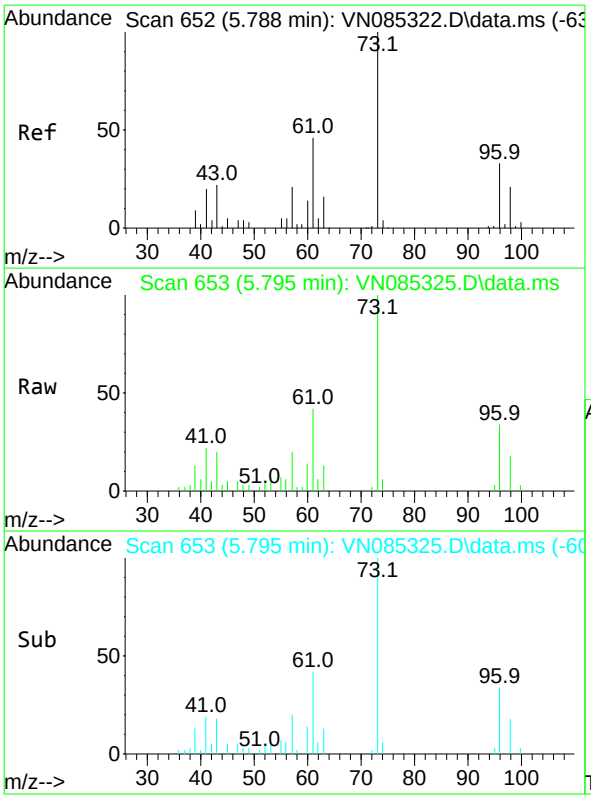


#18
Methyl Acetate
Concen: 5.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 10628

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.0	28.6

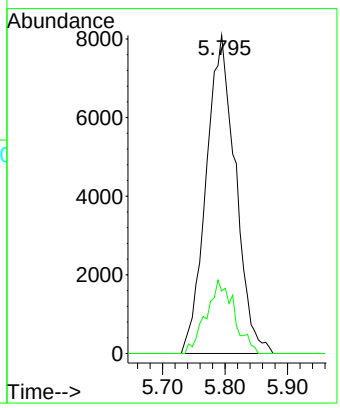




#19
Methyl tert-butyl Ether
Concen: 4.945 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 73 Resp: 26395

Ion	Ratio	Lower	Upper
73	100		
57	19.7	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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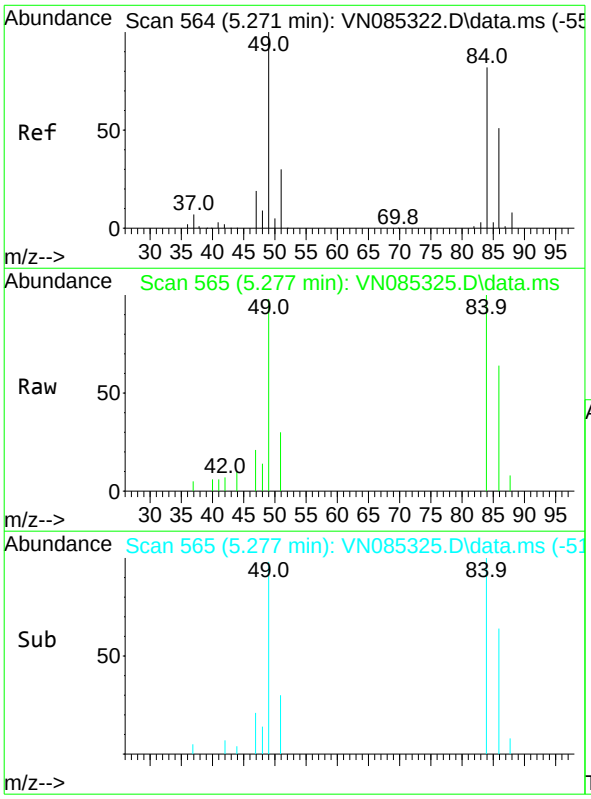
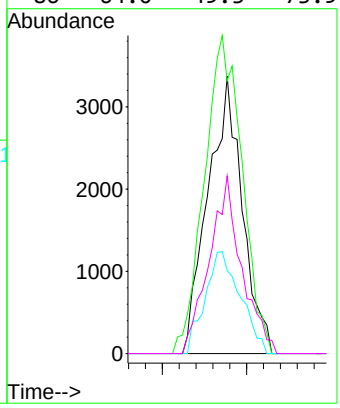
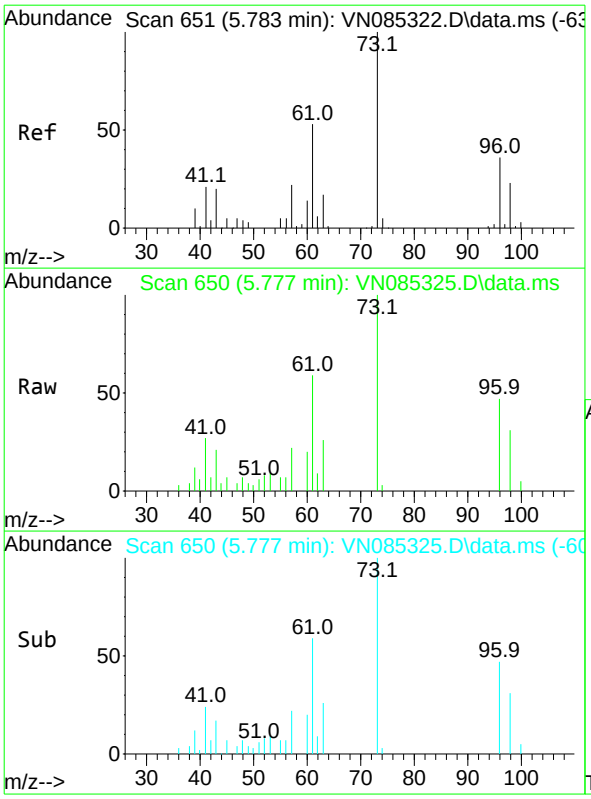


#20
Methylene Chloride
Concen: 5.096 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 84 Resp: 9500

Ion	Ratio	Lower	Upper
84	100		
49	98.3	97.6	146.4
51	30.0	29.1	43.7
86	64.0	49.3	73.9

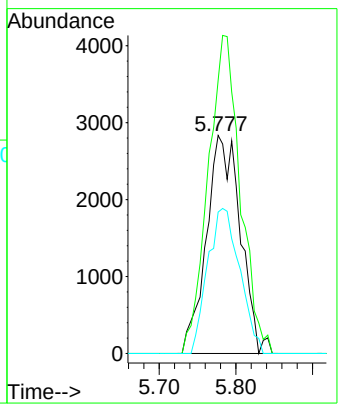




#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 96 Resp: 8724

Ion	Ratio	Lower	Upper
96	100		
61	125.3	118.0	177.0
98	64.9	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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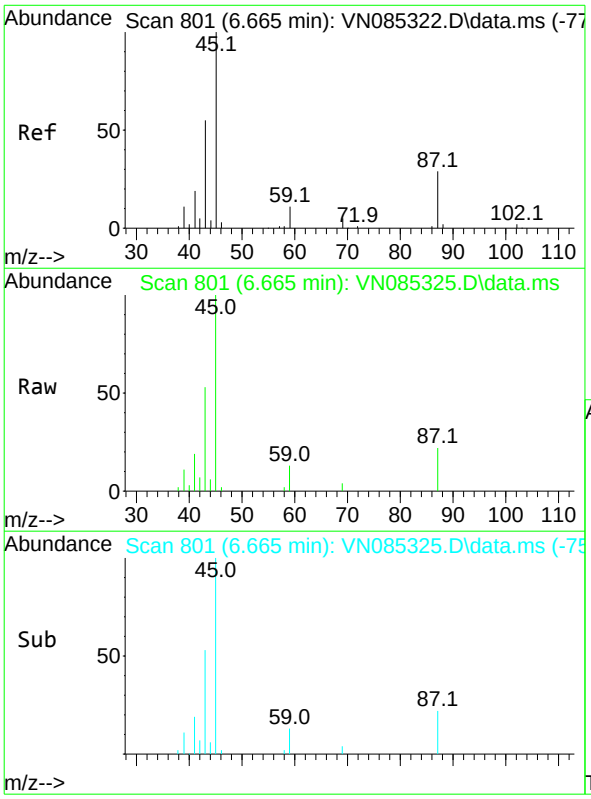
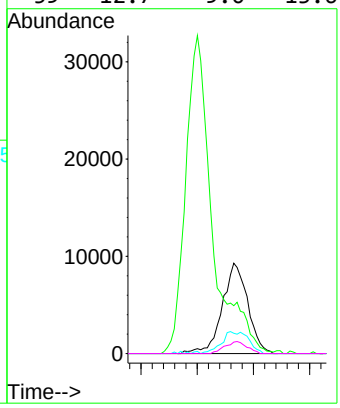
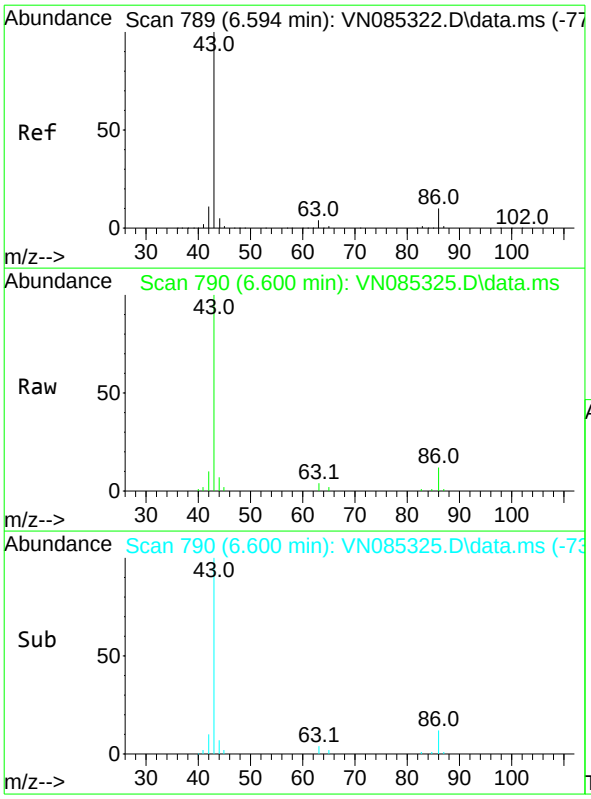


#22
Diisopropyl ether
Concen: 5.165 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 45 Resp: 29256

Ion	Ratio	Lower	Upper
45	100		
43	49.8	44.1	66.1
87	22.5	23.2	34.8#
59	12.7	9.0	13.6

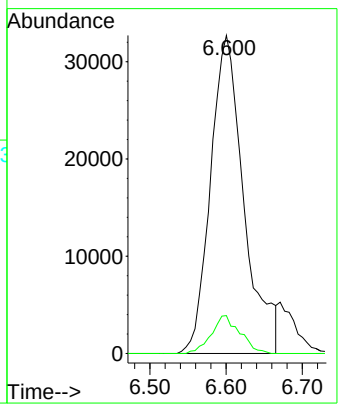




#23
Vinyl Acetate
Concen: 24.429 ug/l m
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 99465

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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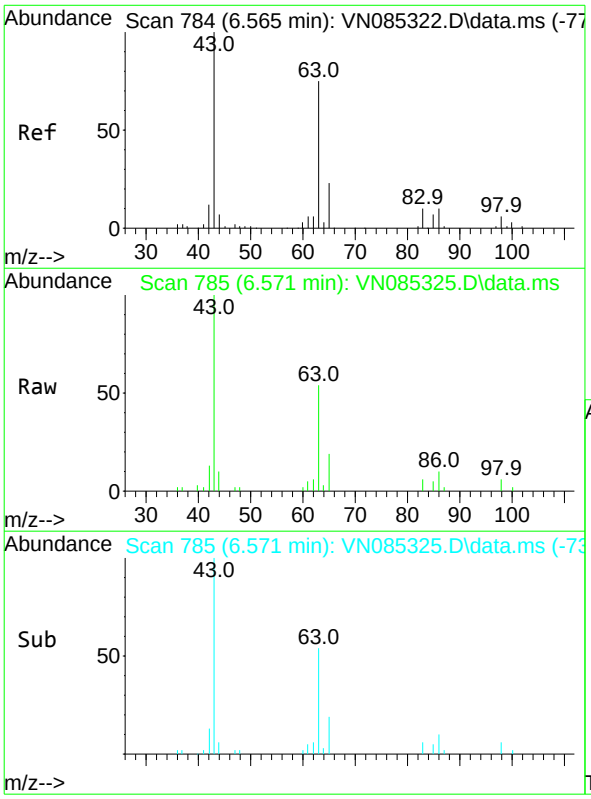
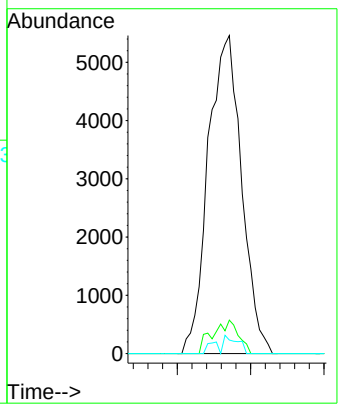
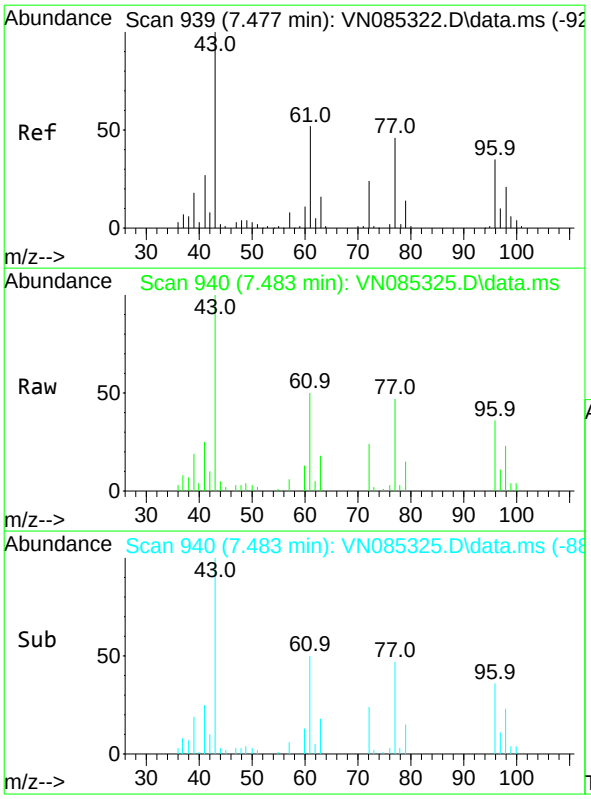


#24
1,1-Dichloroethane
Concen: 5.067 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 63 Resp: 17288

Ion	Ratio	Lower	Upper
63	100		
98	10.5	3.7	11.1
100	4.2	2.3	6.8

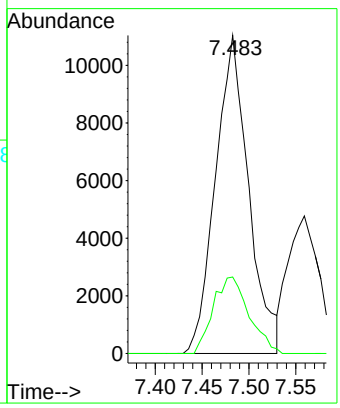




#25
2-Butanone
Concen: 25.274 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 27176

Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
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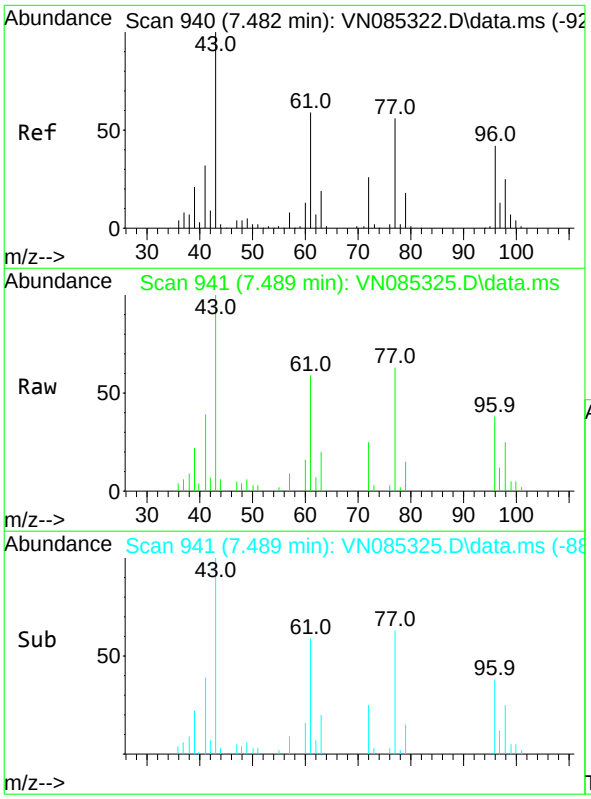
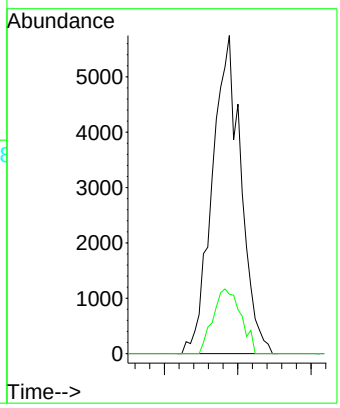
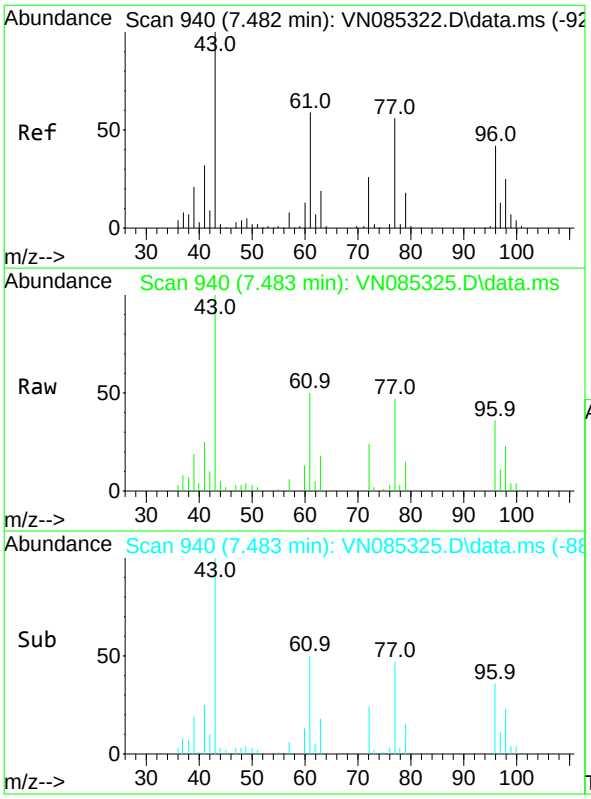


#26
2,2-Dichloropropane
Concen: 5.225 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 77 Resp: 15617

Ion	Ratio	Lower	Upper
77	100		
97	19.6	10.6	31.8

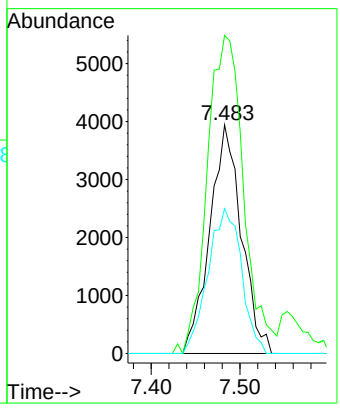




#27
cis-1,2-Dichloroethene
Concen: 4.856 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 96 Resp: 9778

Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	296.4
98	66.9	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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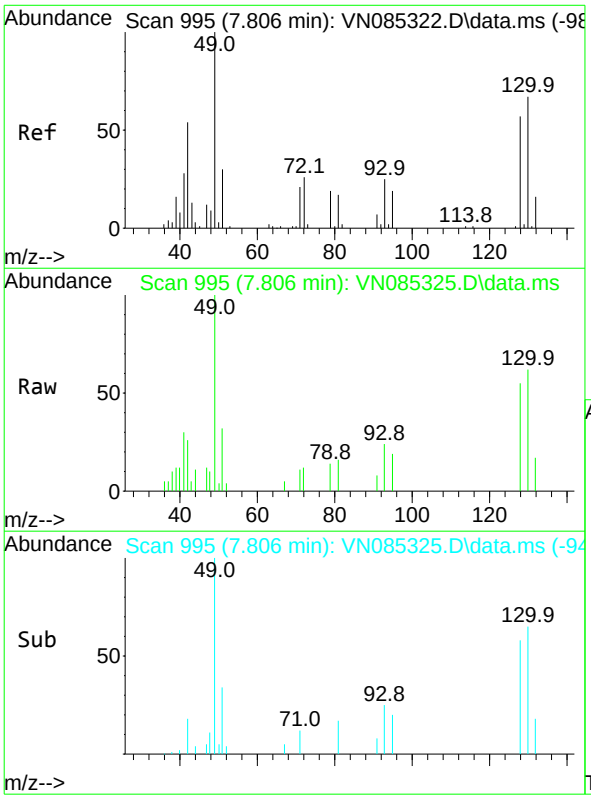
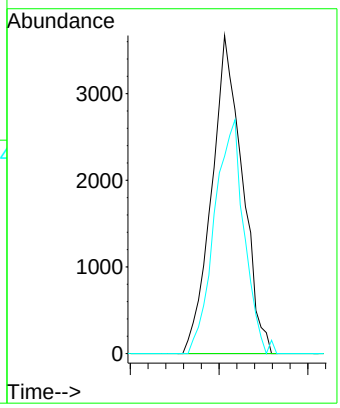
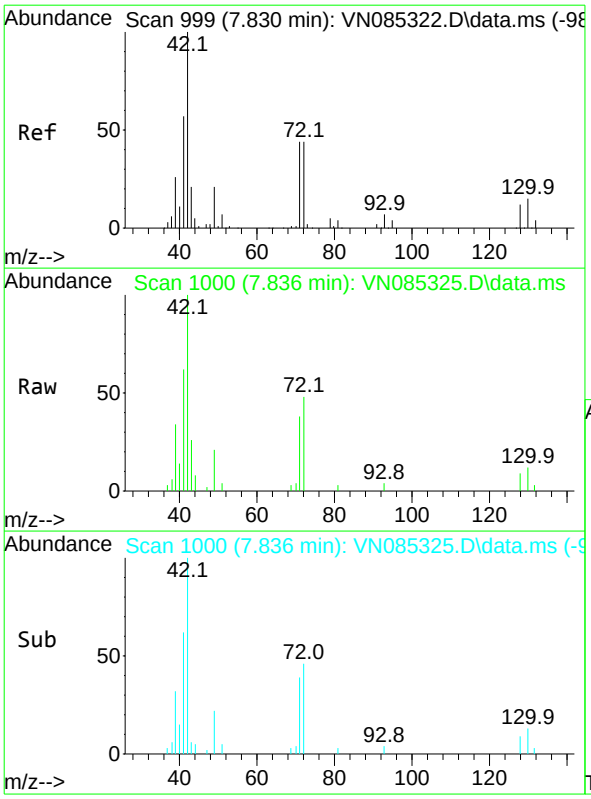


#28
Bromochloromethane
Concen: 5.537 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 49 Resp: 8779

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	71.4	0.0	0.0#

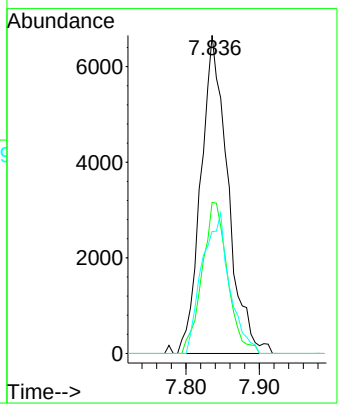




#29
Tetrahydrofuran
Concen: 24.557 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 42 Resp: 17009

Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.1	52.7
71	44.8	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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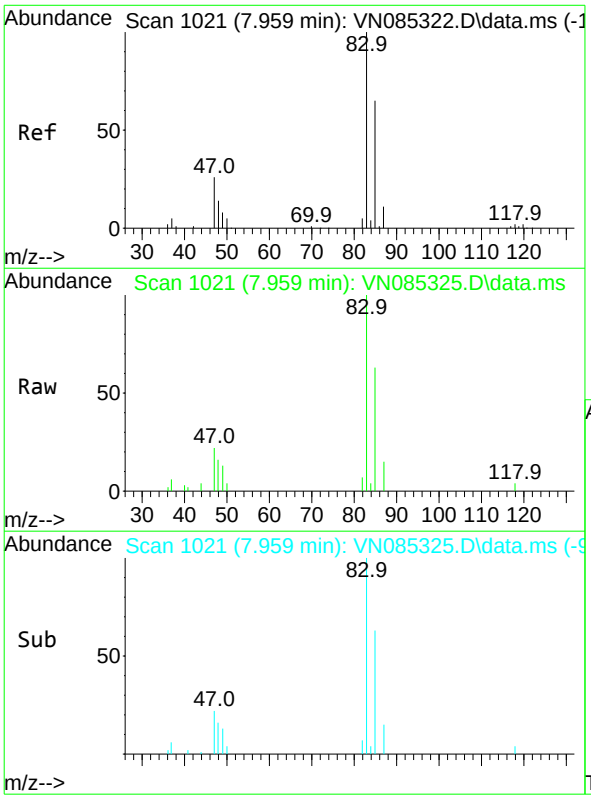
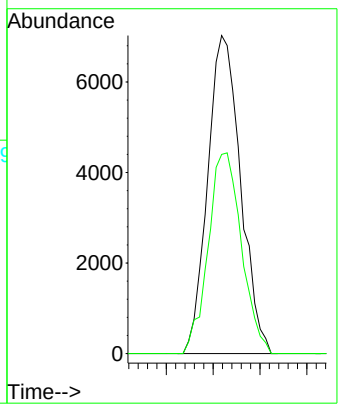
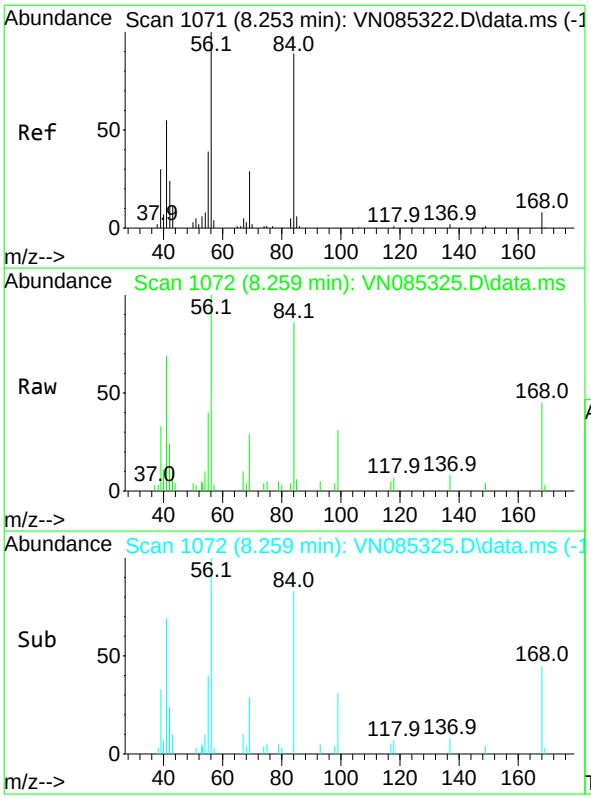


#30
Chloroform
Concen: 4.909 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 83 Resp: 17135

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0

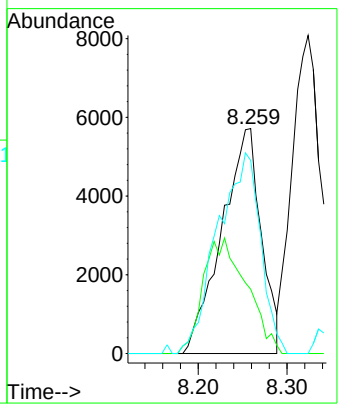




#31
Cyclohexane
Concen: 5.672 ug/l
RT: 8.259 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 56 Resp: 17671

Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.0
84	85.8	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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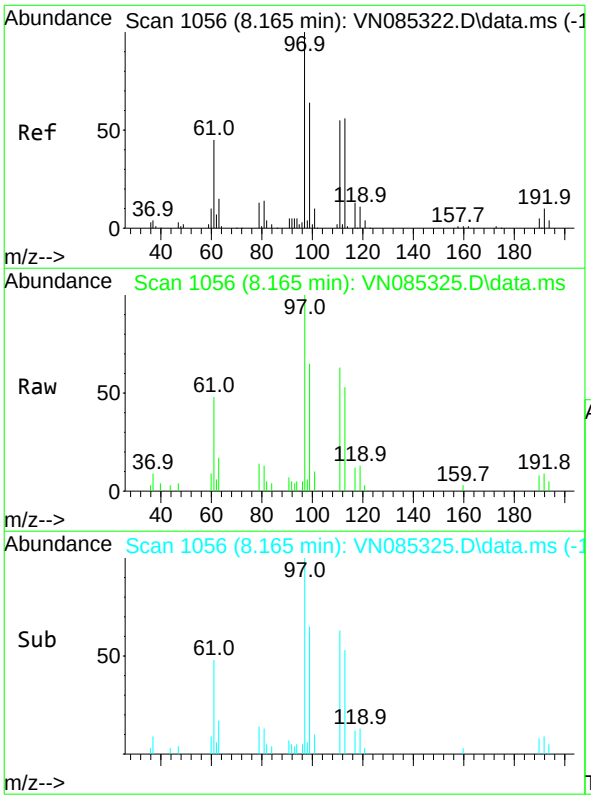
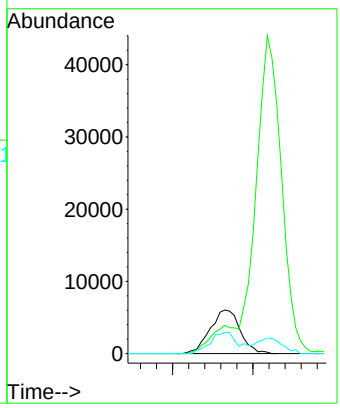
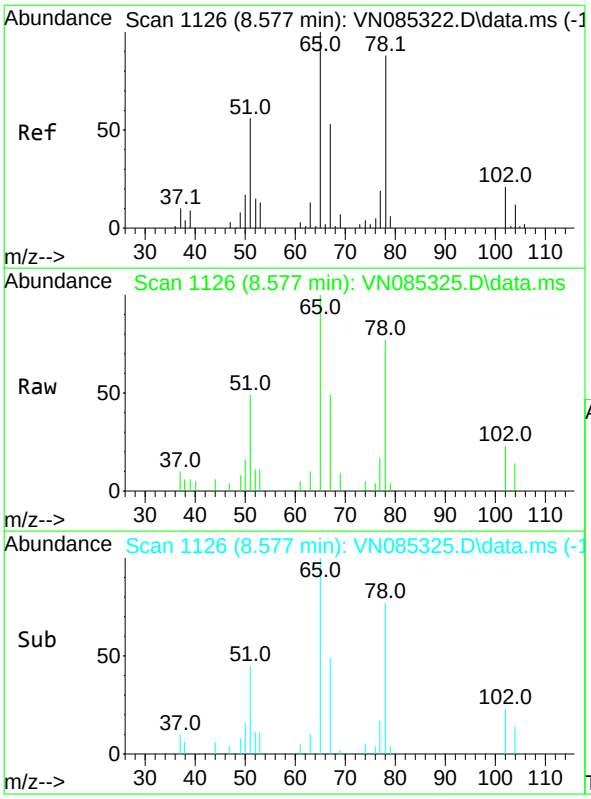


#32
1,1,1-Trichloroethane
Concen: 5.035 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 97 Resp: 15694

Ion	Ratio	Lower	Upper
97	100		
99	51.9	53.3	79.9#
61	45.1	39.6	59.4

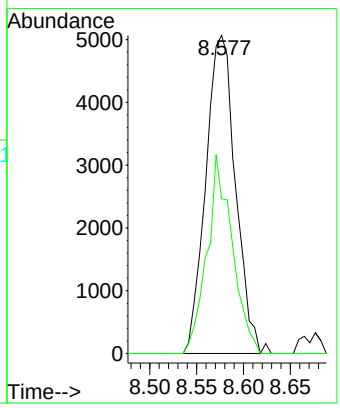




#33
1,2-Dichloroethane-d4
Concen: 5.307 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 65 Resp: 11186

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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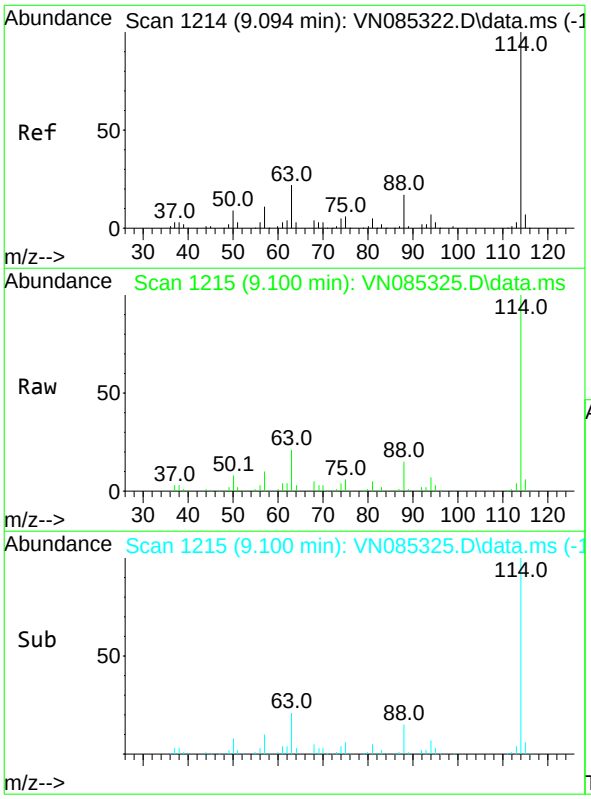
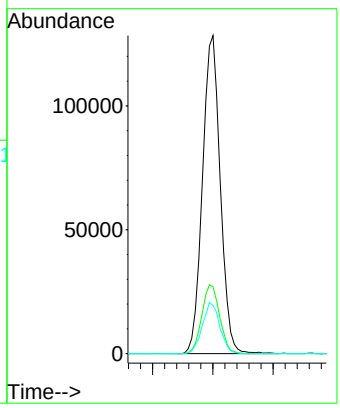
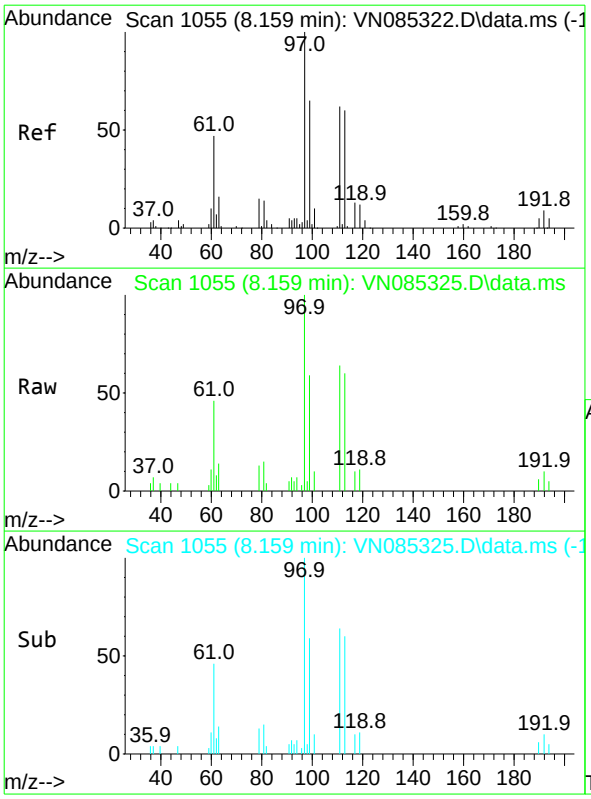


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:114 Resp: 263044

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	15.1	0.0	33.6

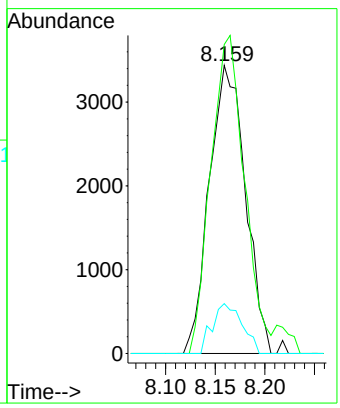




#35
Dibromofluoromethane
Concen: 5.291 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:113 Resp: 8683

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.5	120.7
192	14.3	12.9	19.3



Instrument :
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ClientSampleId :
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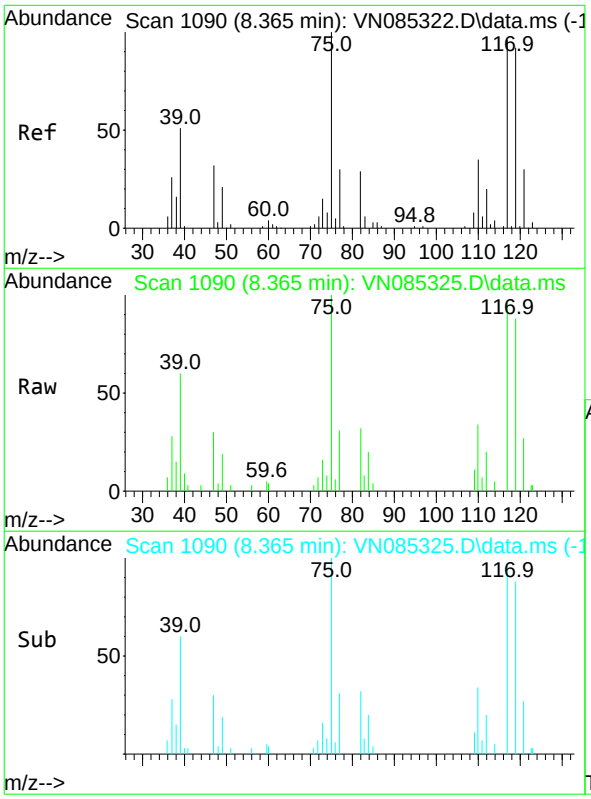
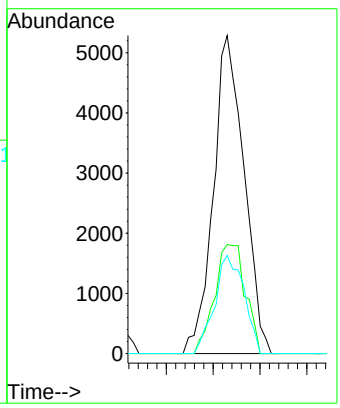
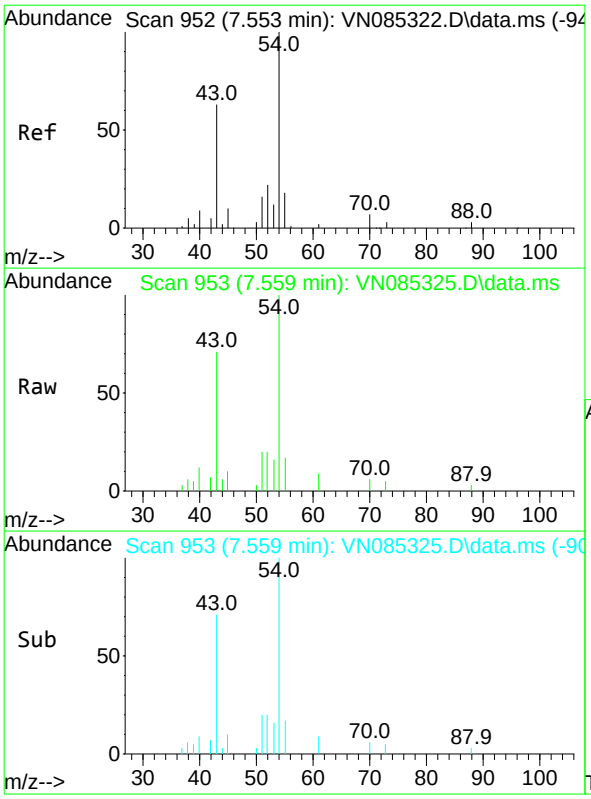


#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 12017

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	29.5	24.3	36.5

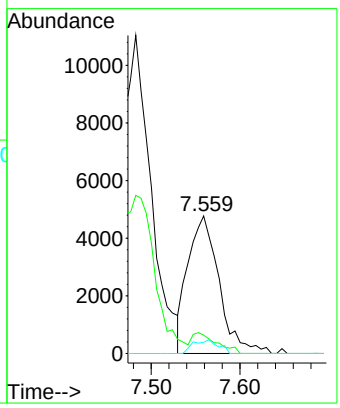




#37
Ethyl Acetate
Concen: 4.877 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 11648

Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.4	15.6
70	7.9	8.2	12.2#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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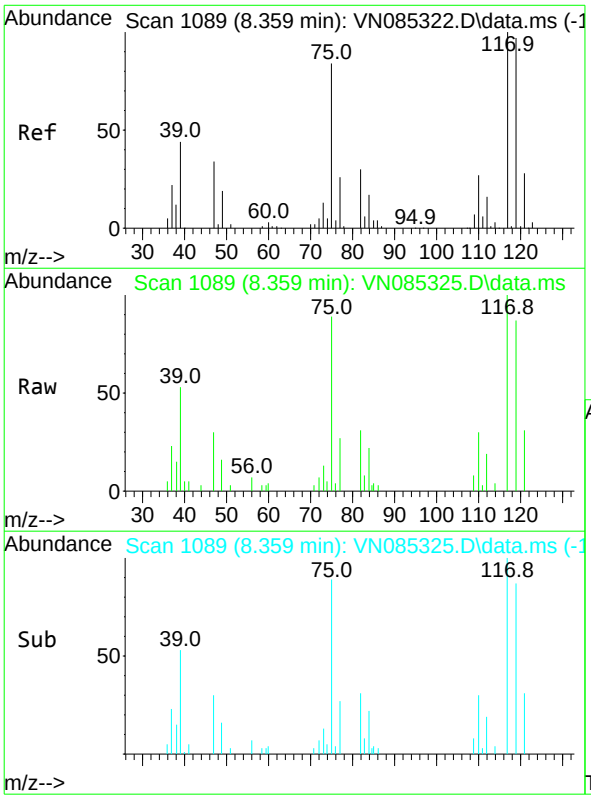
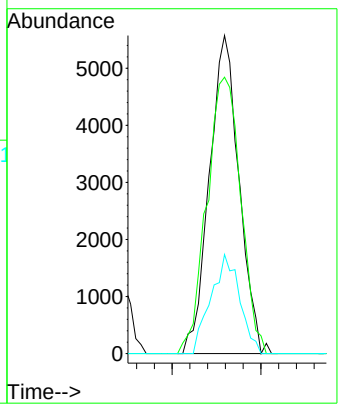
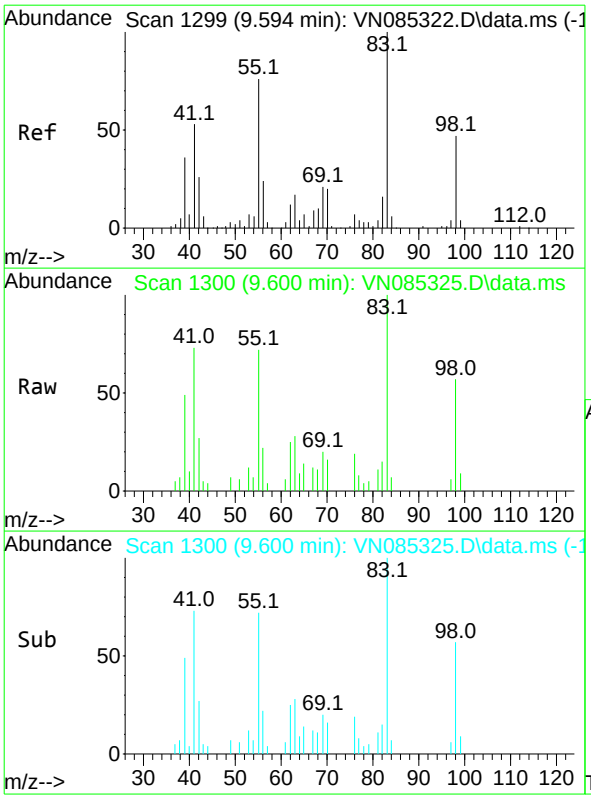


#38
Carbon Tetrachloride
Concen: 4.945 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:117 Resp: 12952

Ion	Ratio	Lower	Upper
117	100		
119	86.9	77.8	116.6
121	31.2	22.5	33.7

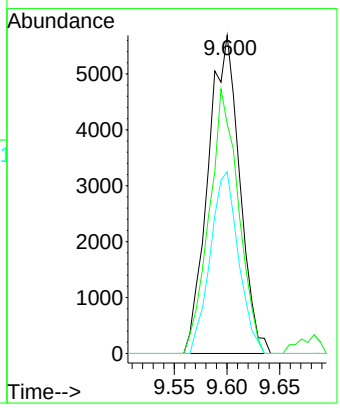




#39
Methylcyclohexane
Concen: 4.746 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 83 Resp: 11831

Ion	Ratio	Lower	Upper
83	100		
55	72.2	60.7	91.1
98	57.1	37.7	56.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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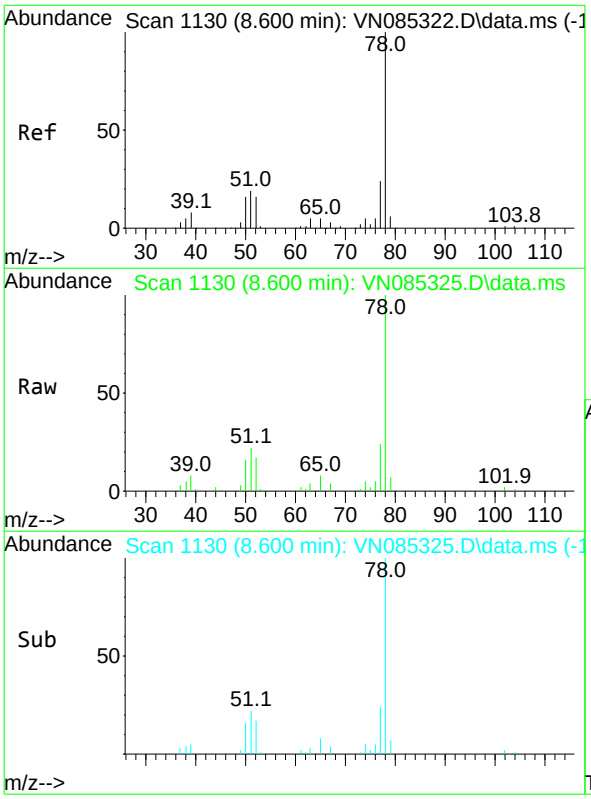
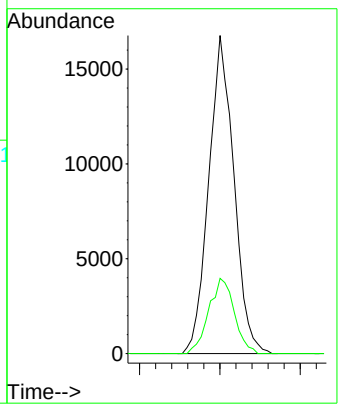
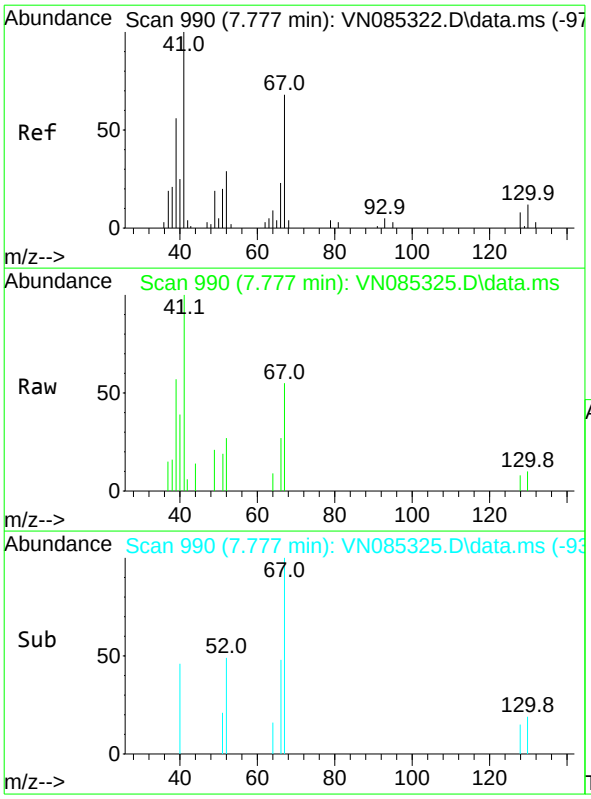


#40
Benzene
Concen: 5.021 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 78 Resp: 36472

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4

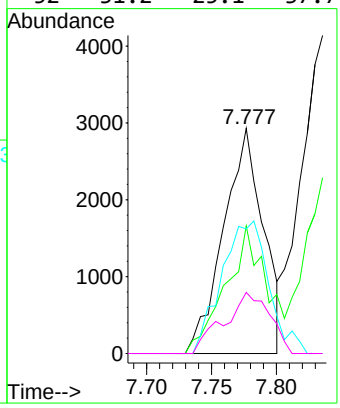




#41
Methacrylonitrile
Concen: 5.104 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 41 Resp: 6242

Ion	Ratio	Lower	Upper
41	100		
39	58.3	45.8	68.8
67	69.7	57.1	85.7
52	31.2	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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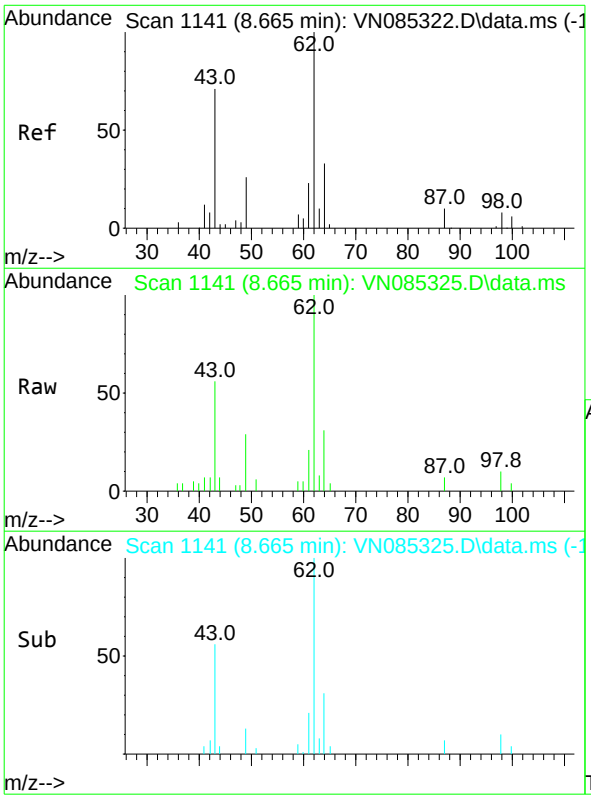
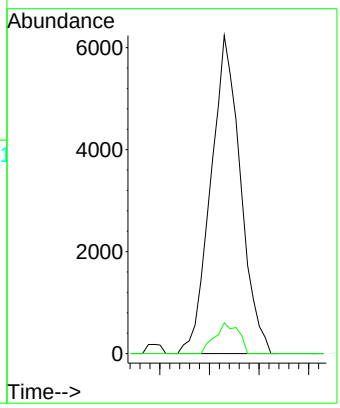
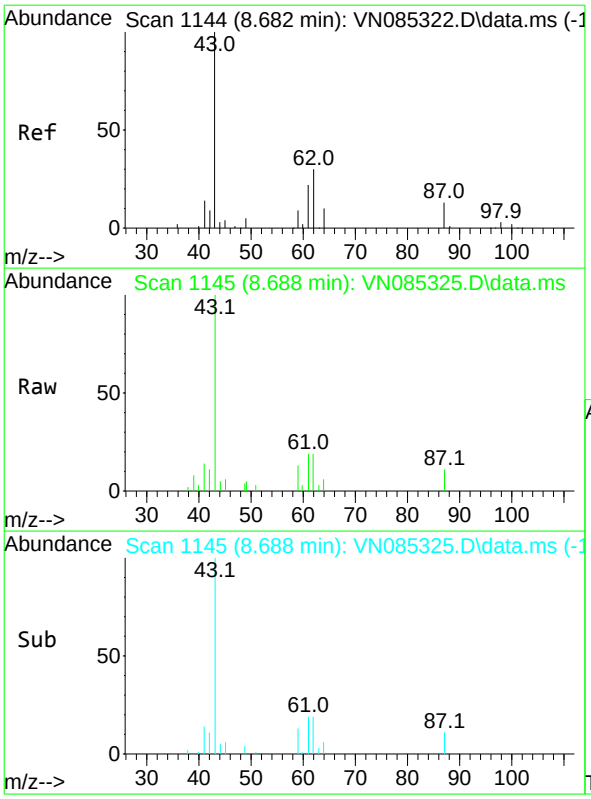


#42
1,2-Dichloroethane
Concen: 4.983 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 62 Resp: 12978

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	17.6

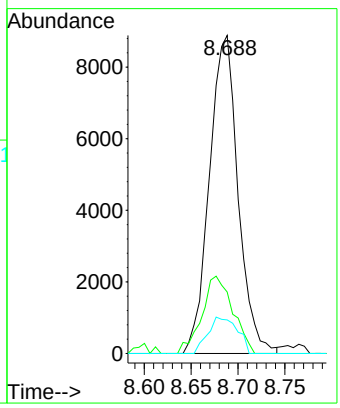




#43
Isopropyl Acetate
Concen: 4.814 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 18930

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.8	31.2
87	11.7	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
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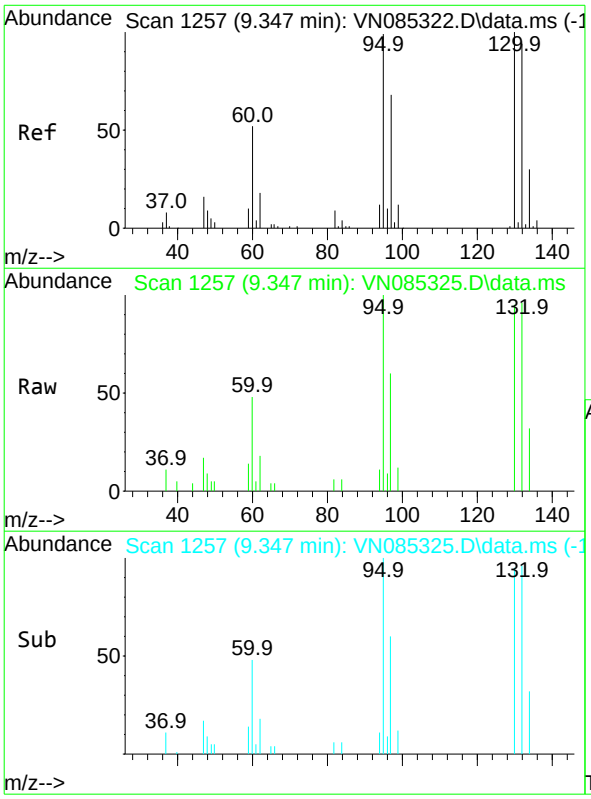
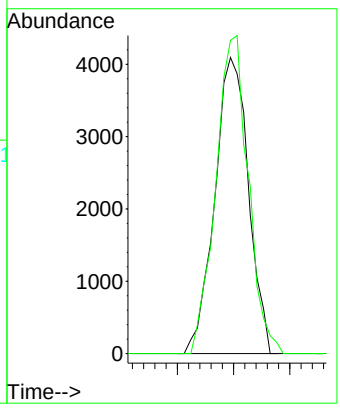
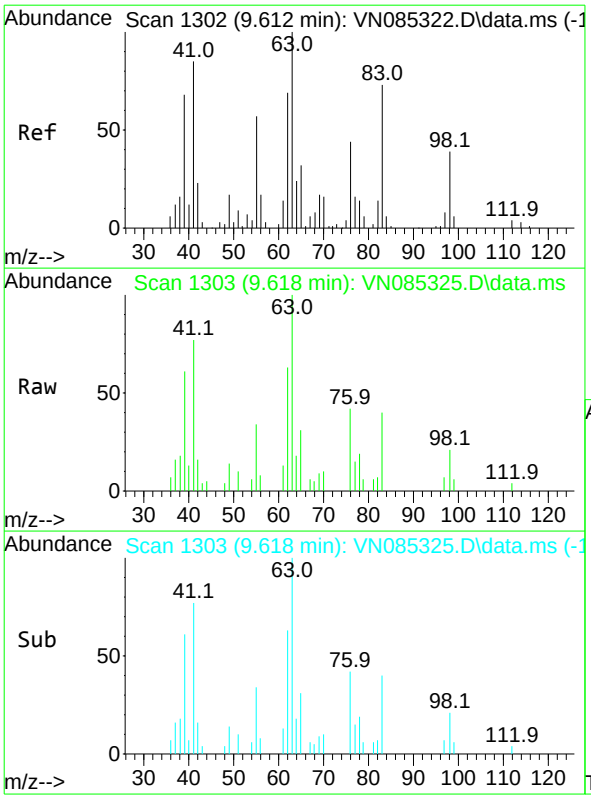


#44
Trichloroethene
Concen: 4.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:130 Resp: 8533

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	197.8

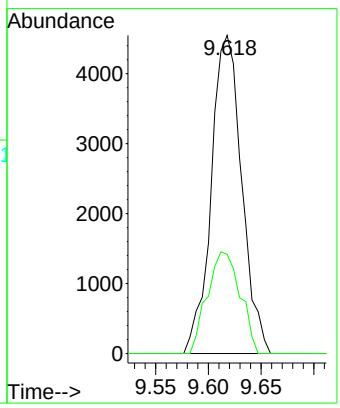




#45
1,2-Dichloropropane
Concen: 4.958 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 63 Resp: 9143

Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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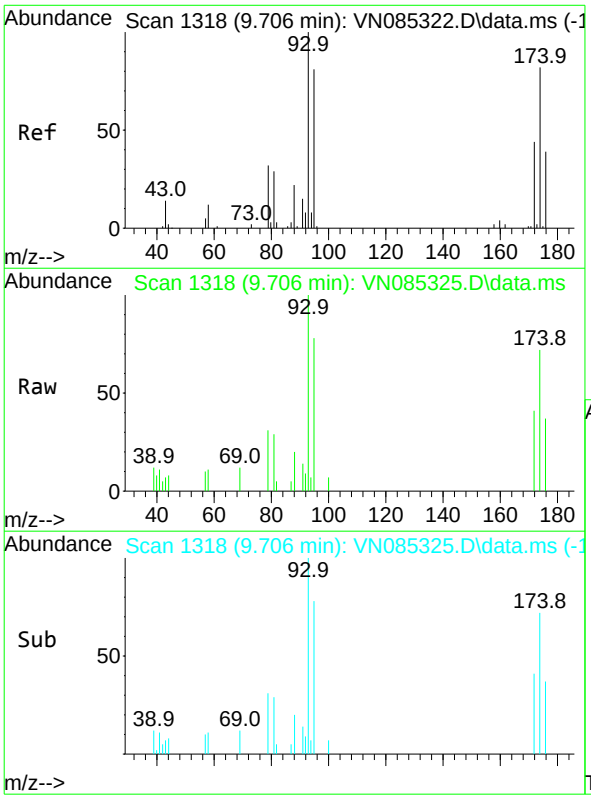
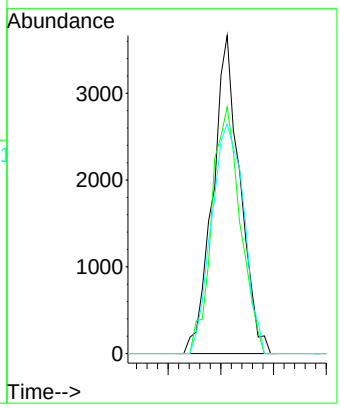
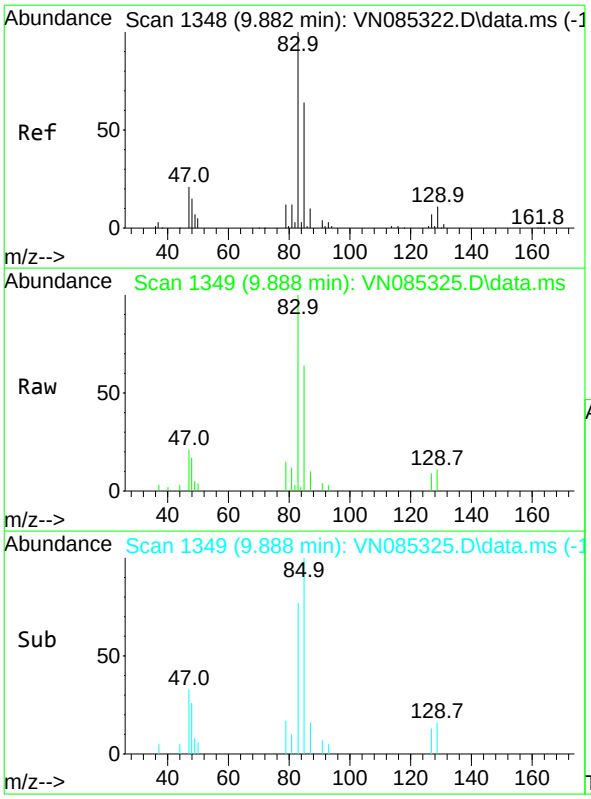


#46
Dibromomethane
Concen: 5.125 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 93 Resp: 6573

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.3	97.9
174	85.7	66.4	99.6

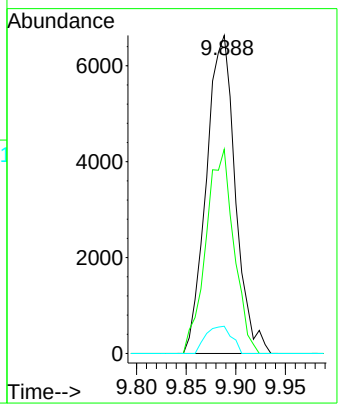




#47
Bromodichloromethane
Concen: 5.046 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 83 Resp: 13450

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4
127	8.6	5.8	8.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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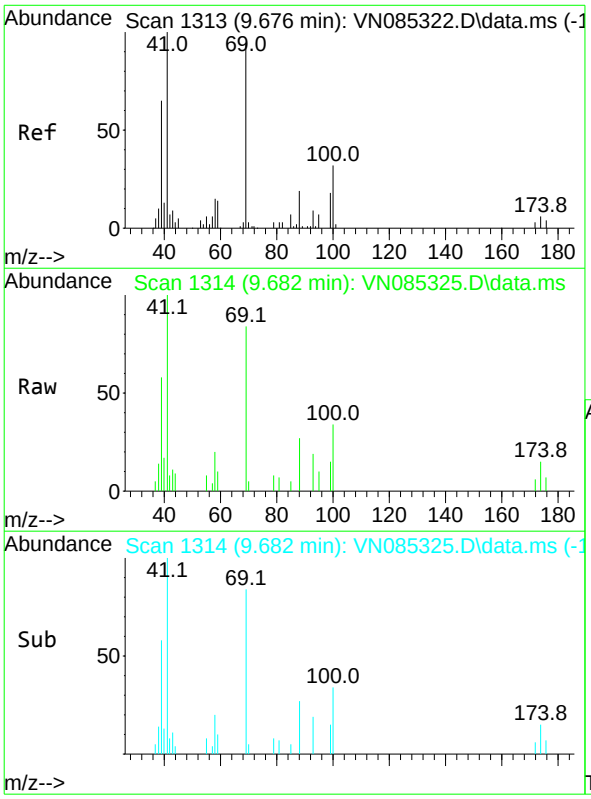
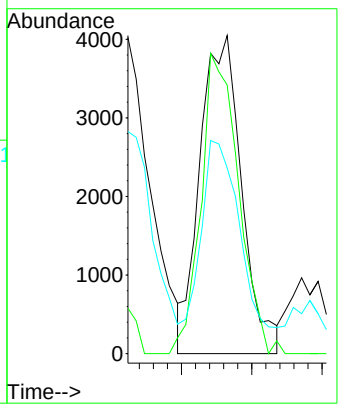
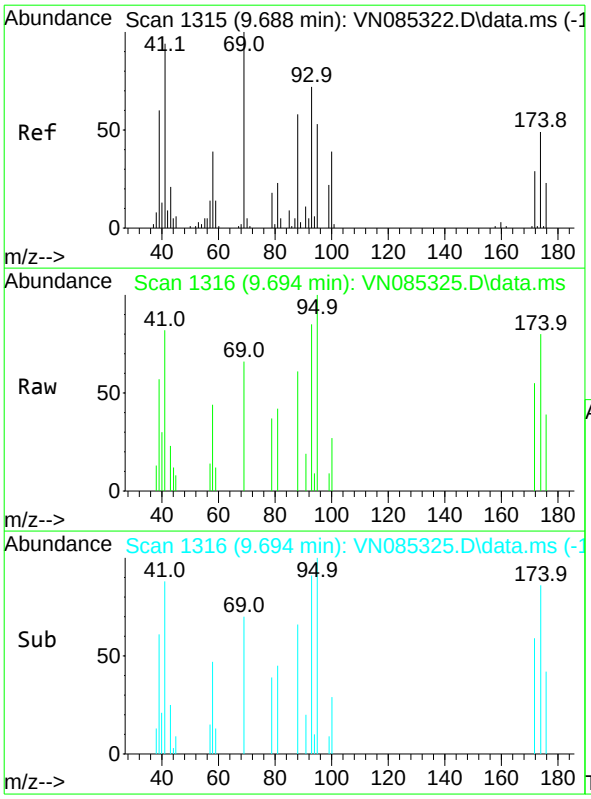


#48
Methyl methacrylate
Concen: 4.871 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 41 Resp: 8311

Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.7	101.5
39	66.9	51.2	76.8

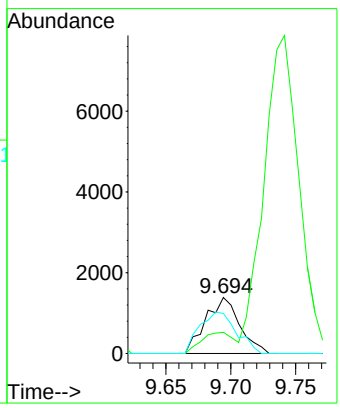




#49
1,4-Dioxane
Concen: 97.886 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 88 Resp: 2520

Ion	Ratio	Lower	Upper
88	100		
43	36.7	22.1	33.1#
58	80.2	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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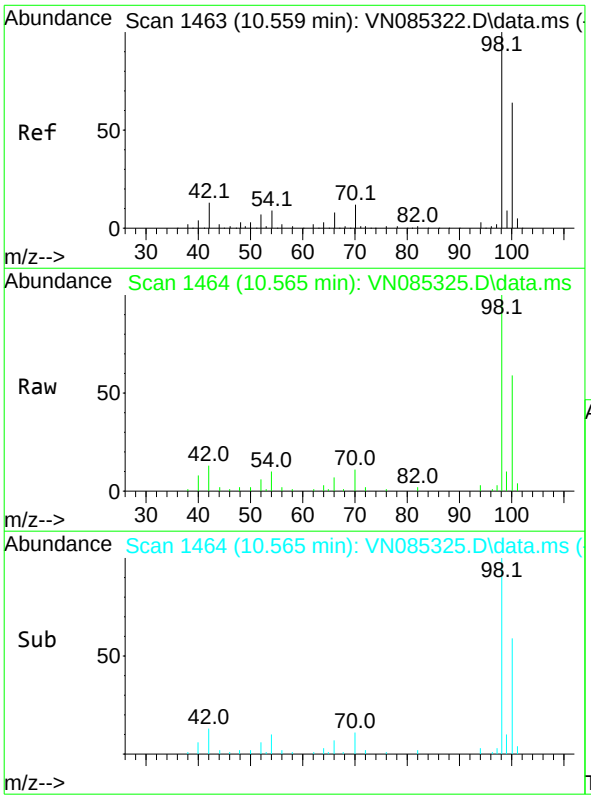
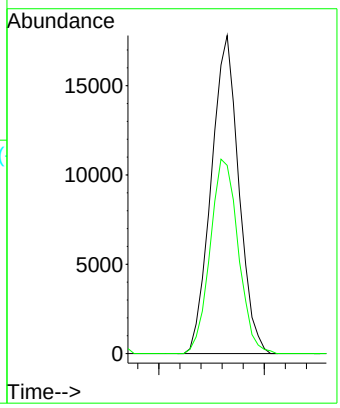
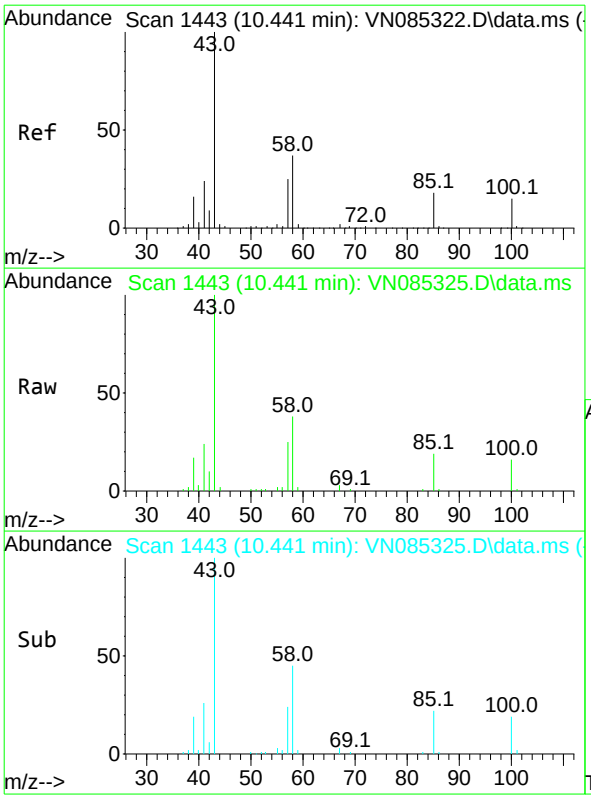


#50
Toluene-d8
Concen: 5.367 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 98 Resp: 32316

Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.5	77.3

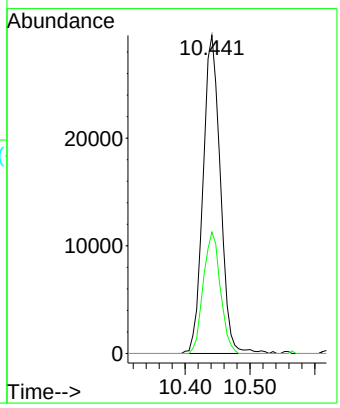




#51
4-Methyl-2-Pentanone
Concen: 24.812 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 54831

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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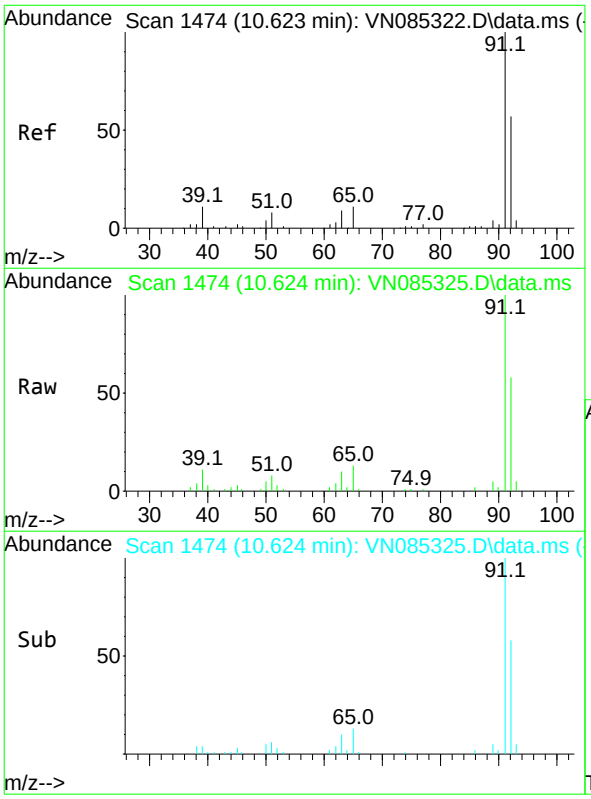
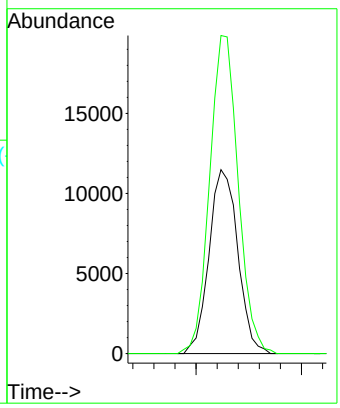
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

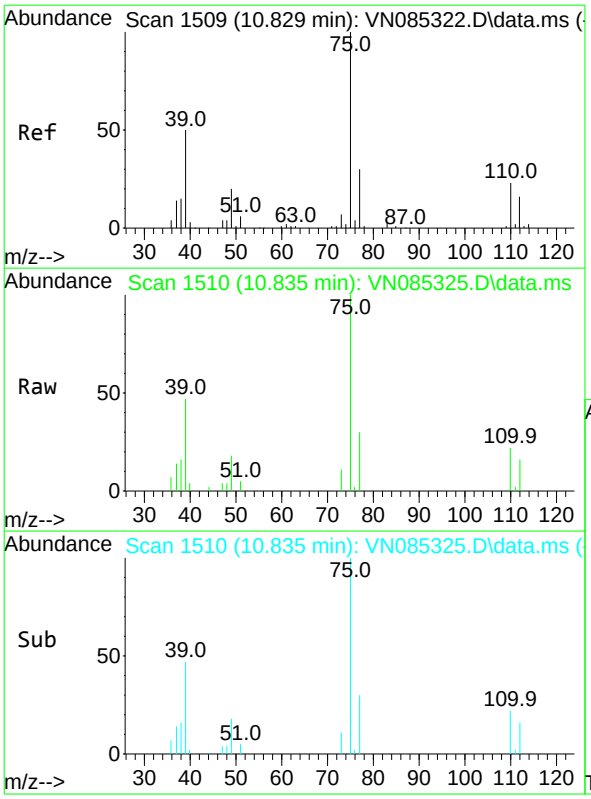


#52
Toluene
Concen: 5.040 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 92 Resp: 21799

Ion	Ratio	Lower	Upper
92	100		
91	171.1	140.2	210.4

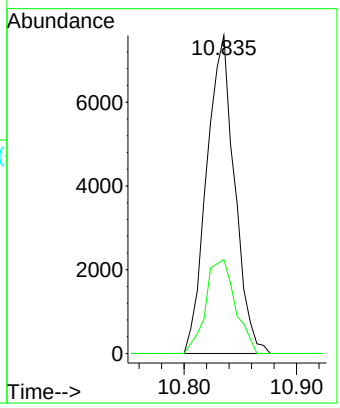




#53
t-1,3-Dichloropropene
Concen: 4.993 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 13088

Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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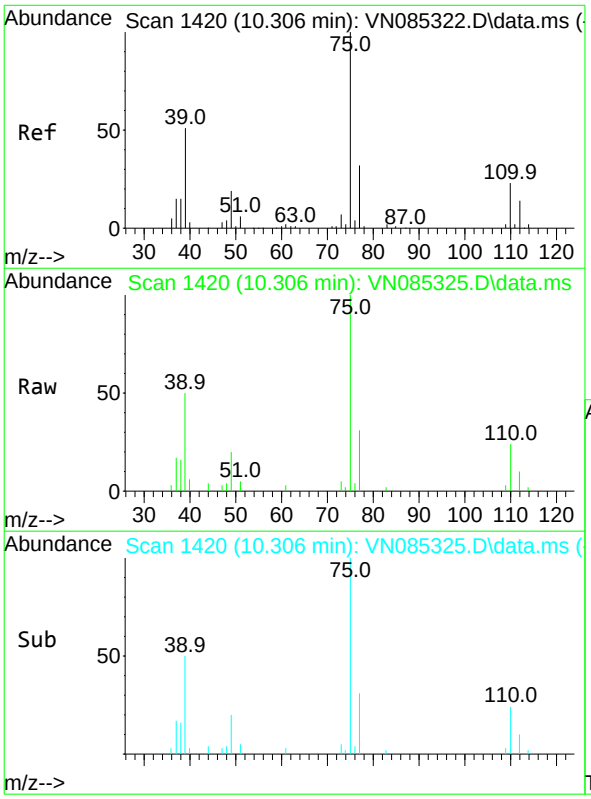
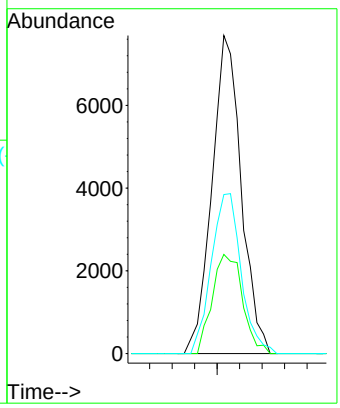
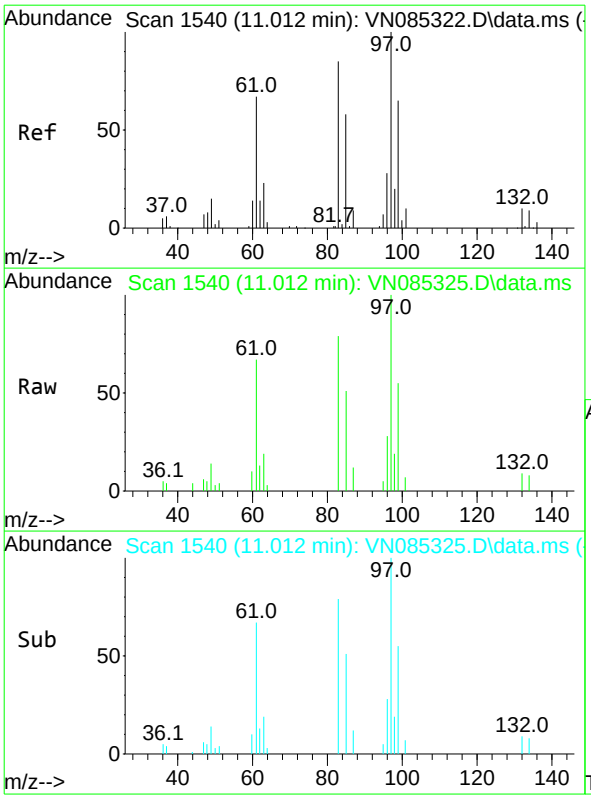


#54
cis-1,3-Dichloropropene
Concen: 4.904 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 13900

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	50.0	40.5	60.7

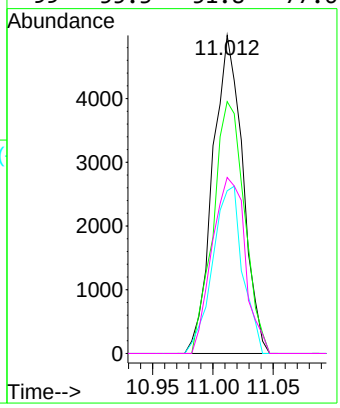




#55
1,1,2-Trichloroethane
Concen: 5.287 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 97 Resp: 8634

Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.7	101.5
85	51.2	46.2	69.4
99	55.3	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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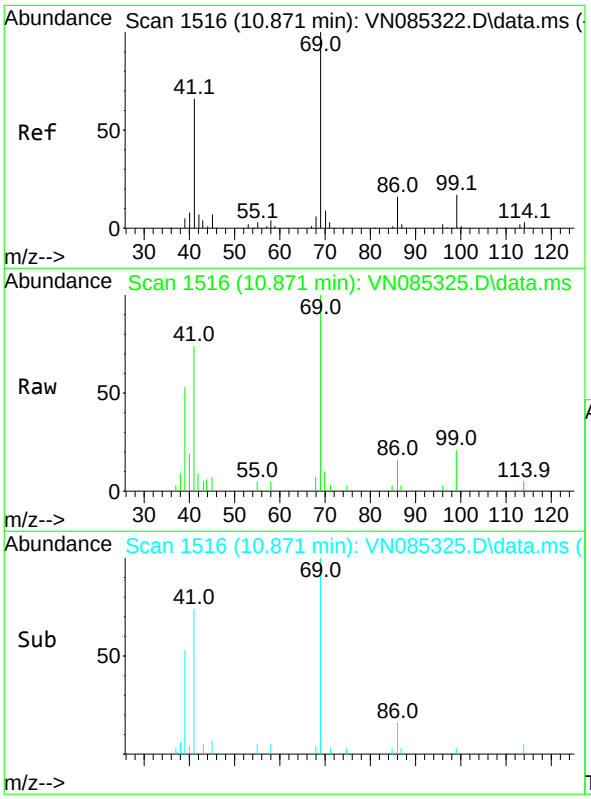
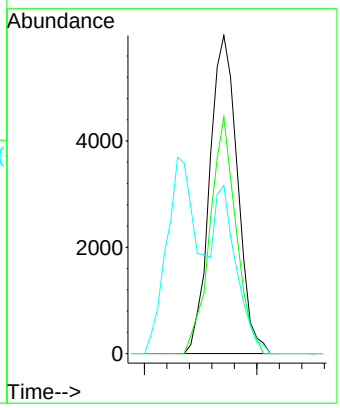
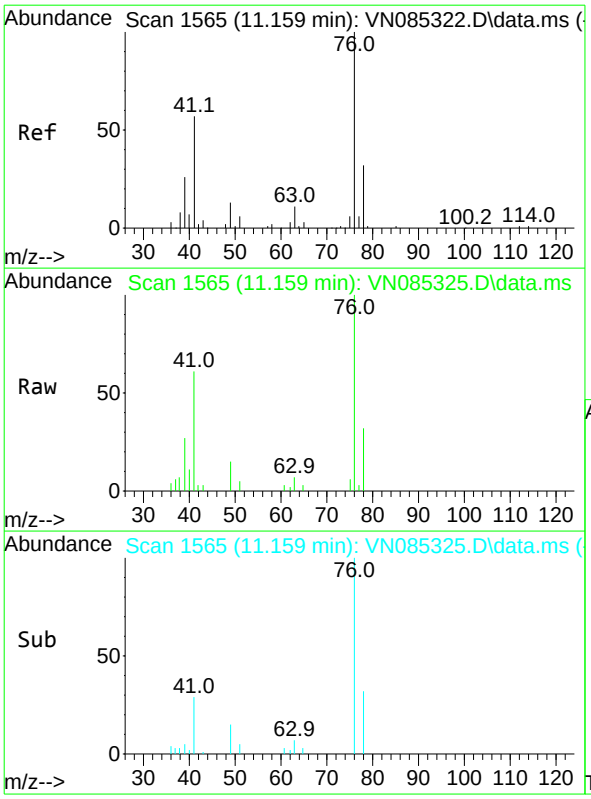


#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 69 Resp: 10291

Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.3	81.5
39	40.4	32.0	48.0

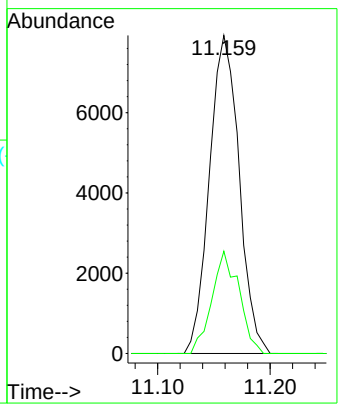




#57
1,3-Dichloropropane
Concen: 5.076 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 76 Resp: 14548

Ion	Ratio	Lower	Upper
76	100		
78	29.4	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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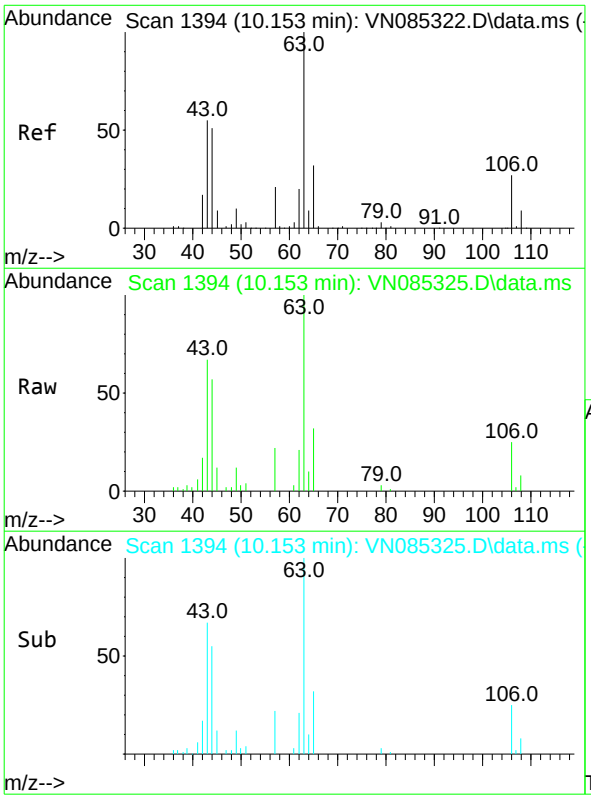
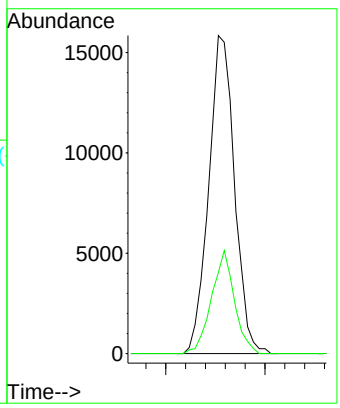
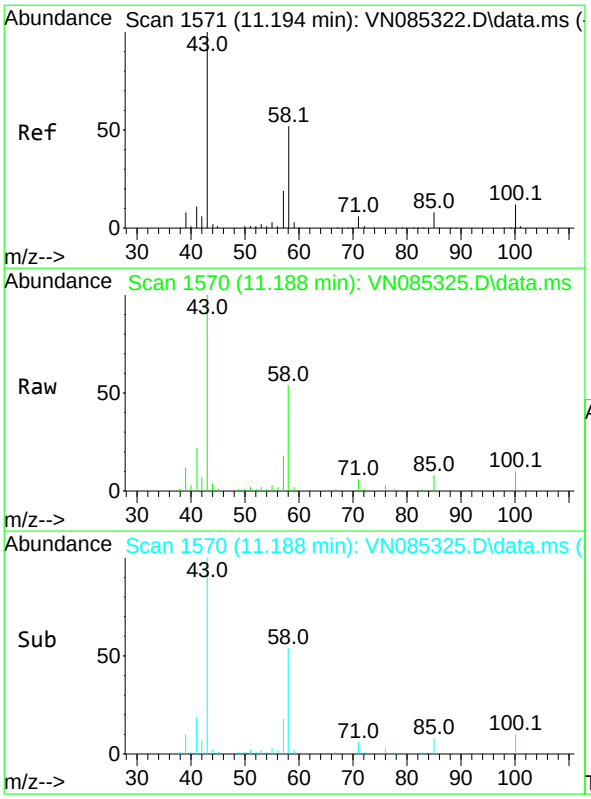


#58
2-Chloroethyl Vinyl ether
Concen: 24.895 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 63 Resp: 28647

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.1	33.1

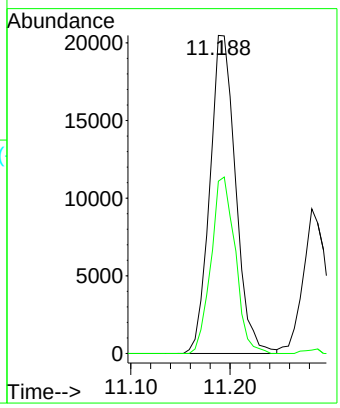




#59
2-Hexanone
Concen: 24.105 ug/l
RT: 11.188 min Scan# 15
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 36958

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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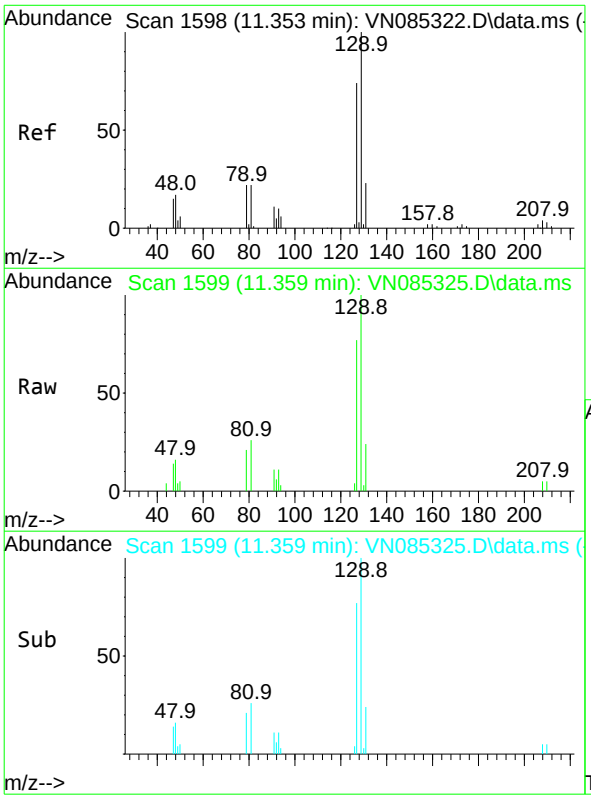
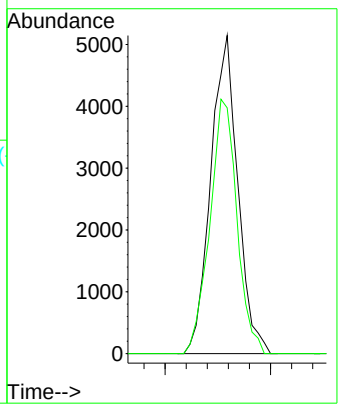
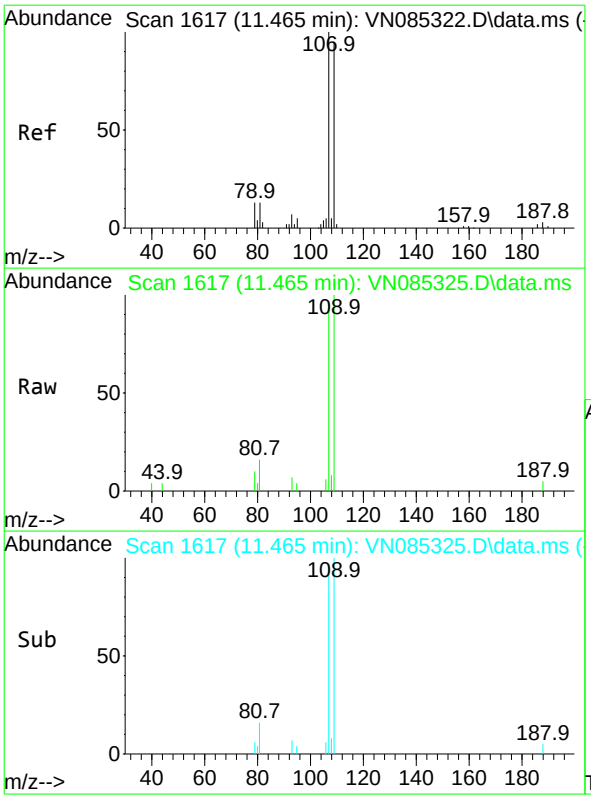


#60
Dibromochloromethane
Concen: 4.991 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:129 Resp: 9180

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.3	114.9

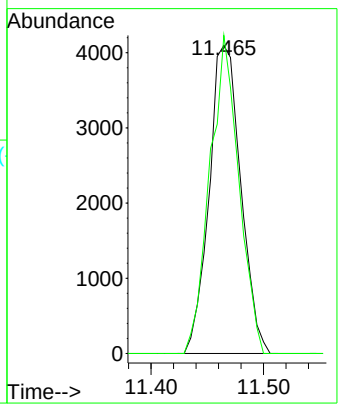




#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:107 Resp: 8013

Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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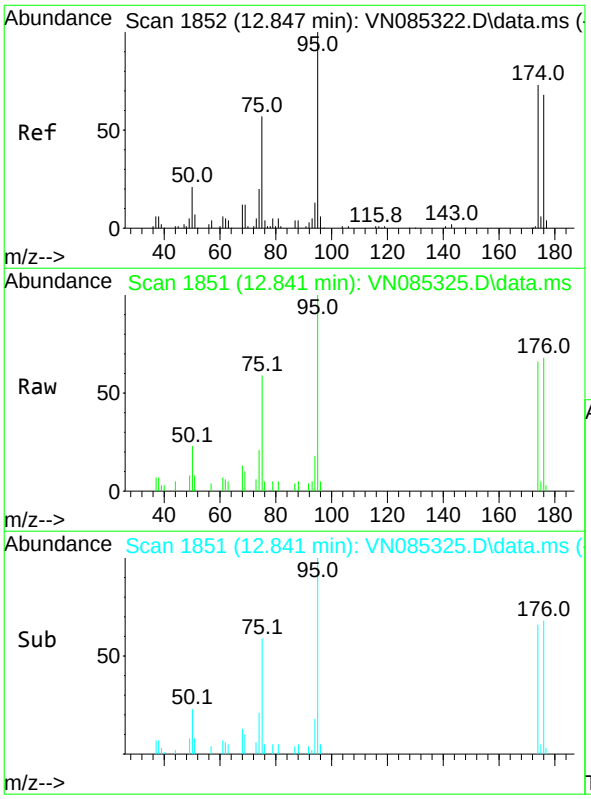
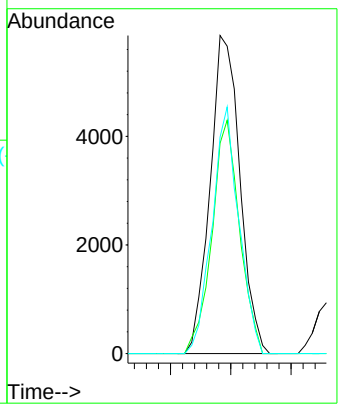
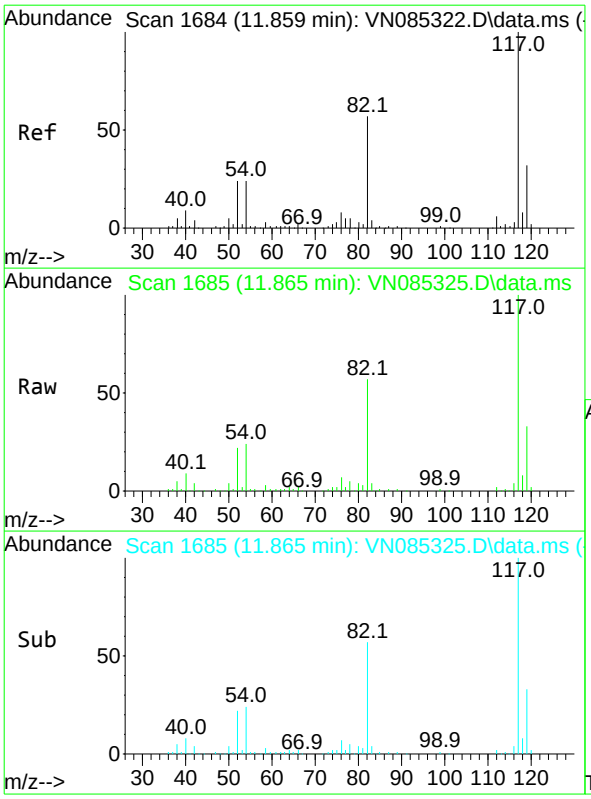


#62
4-Bromofluorobenzene
Concen: 5.033 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 95 Resp: 10066

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	143.2
176	69.7	0.0	135.8

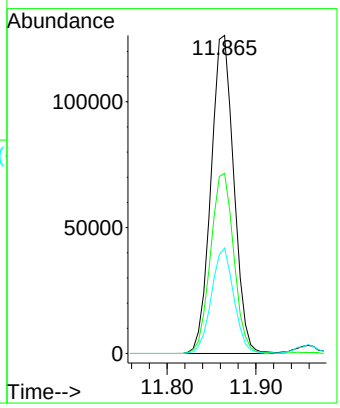




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:117 Resp: 226122

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.7	68.5
119	33.1	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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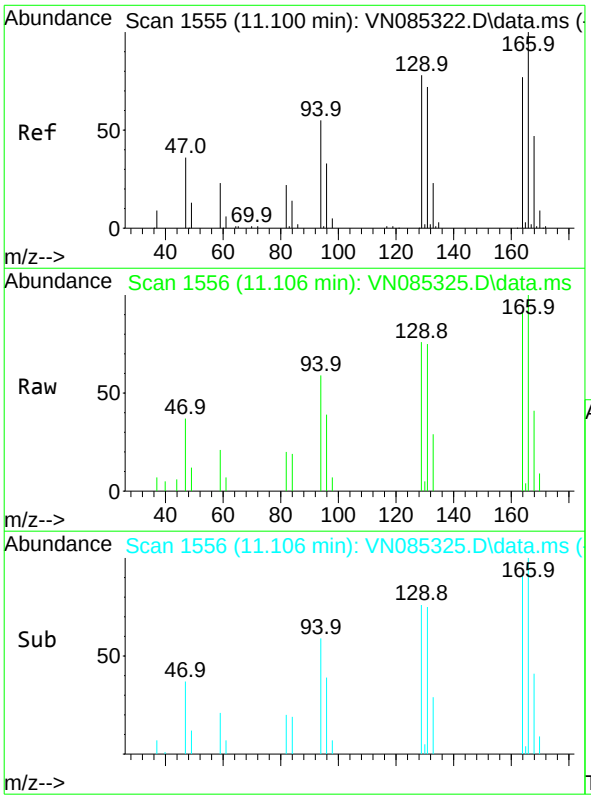
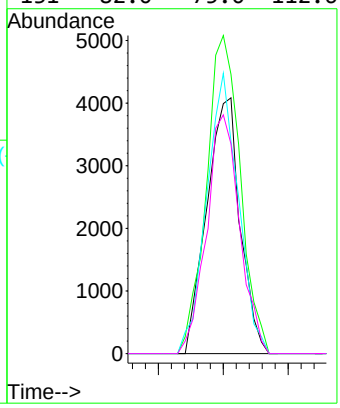
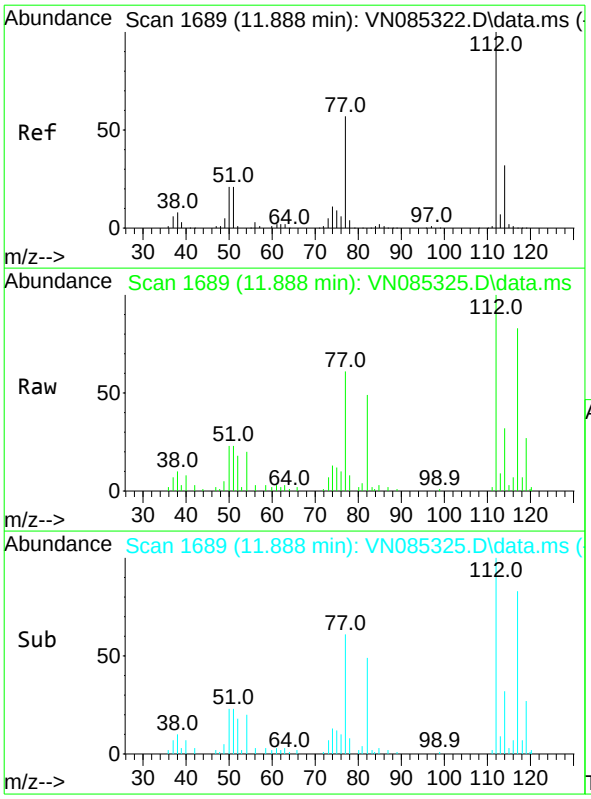


#64
Tetrachloroethene
Concen: 5.095 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:164 Resp: 7300

Ion	Ratio	Lower	Upper
164	100		
166	109.2	104.0	156.0
129	83.0	81.3	121.9
131	82.0	75.0	112.6

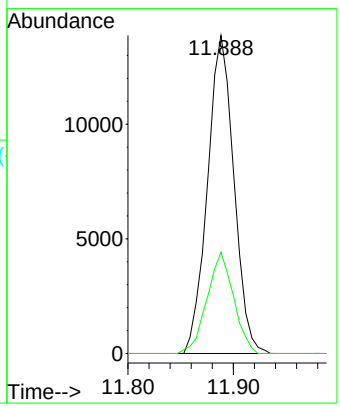




#65
Chlorobenzene
Concen: 4.940 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:112 Resp: 24138

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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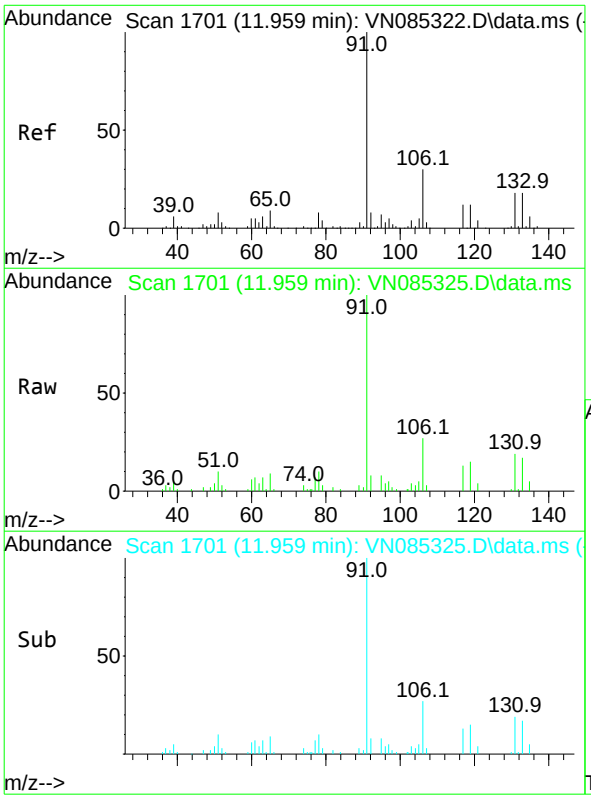
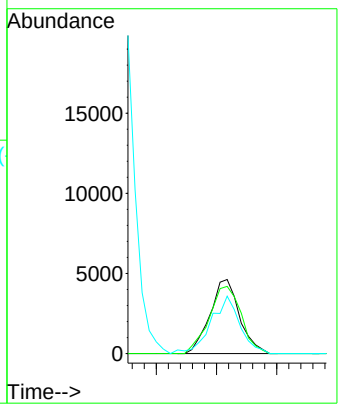
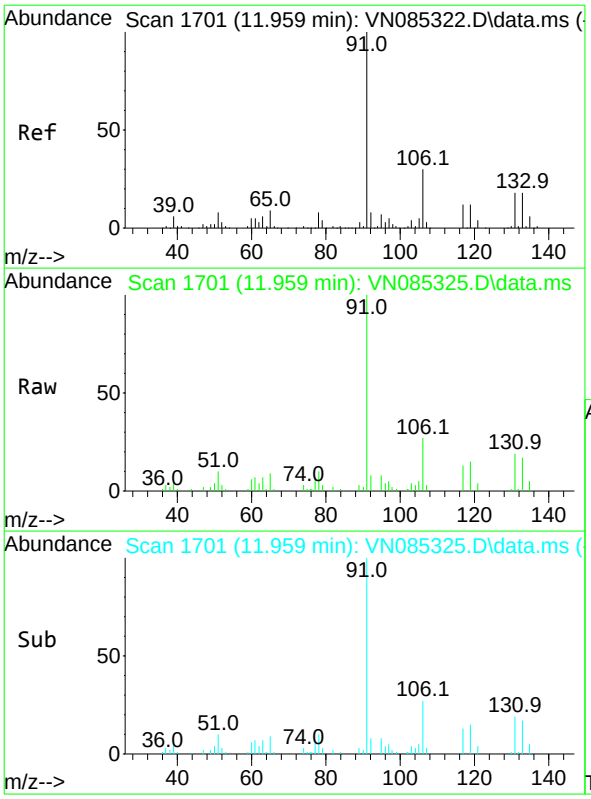


#66
1,1,1,2-Tetrachloroethane
Concen: 4.805 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:131 Resp: 7880

Ion	Ratio	Lower	Upper
131	100		
133	98.7	48.3	144.9
119	75.8	33.4	100.1

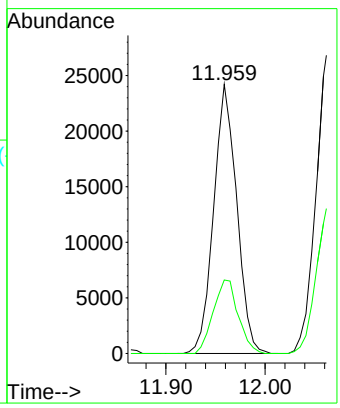




#67
Ethyl Benzene
Concen: 4.812 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 39102

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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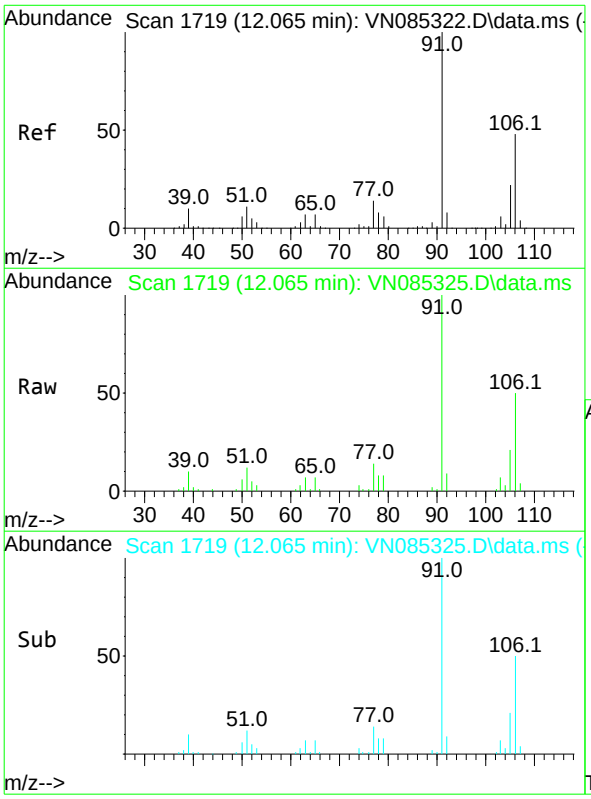
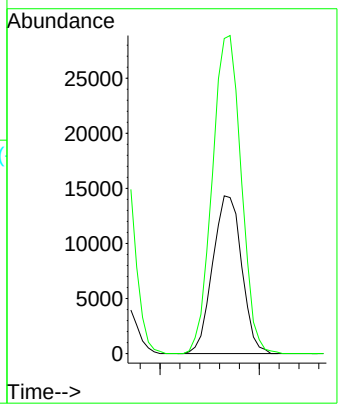
Supervised By :Mahesh Dadoda 12/30/2024

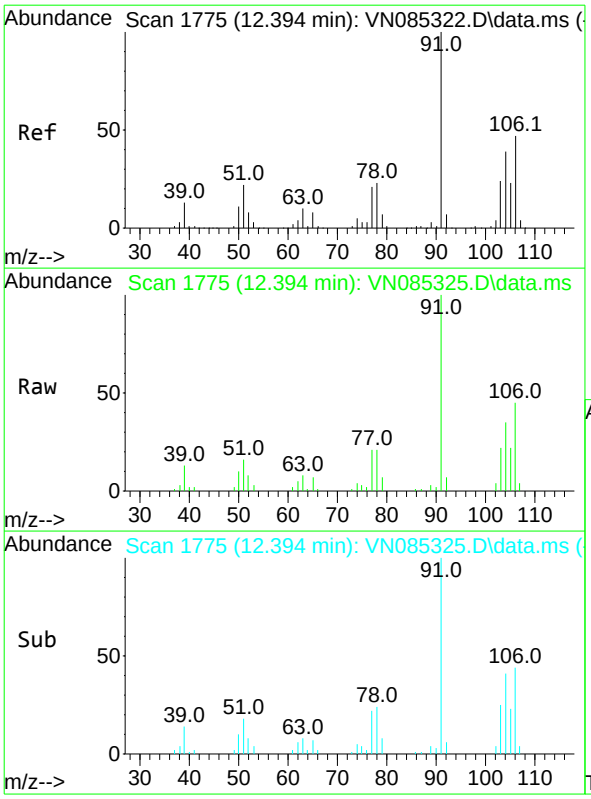


#68
m/p-Xylenes
Concen: 9.786 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:106 Resp: 29104

Ion	Ratio	Lower	Upper
106	100		
91	201.1	165.2	247.8

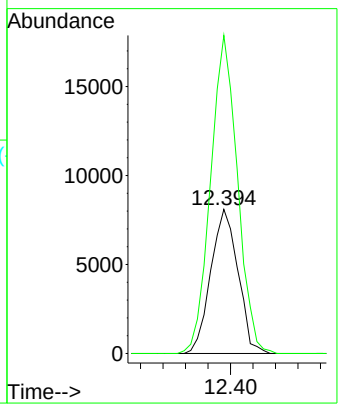




#69
o-Xylene
Concen: 4.734 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:106 Resp: 13620

Ion	Ratio	Lower	Upper
106	100		
91	218.0	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 12/30/2024
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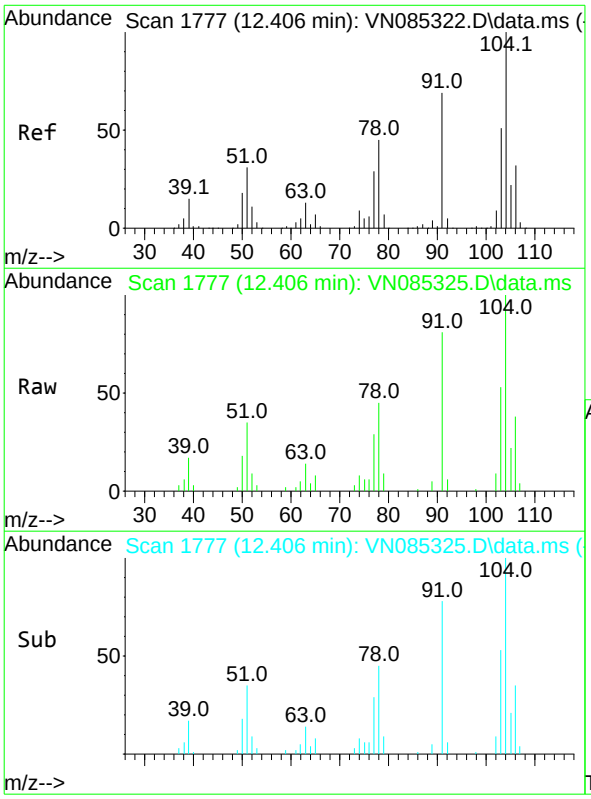
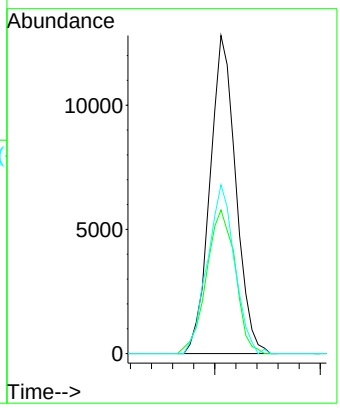
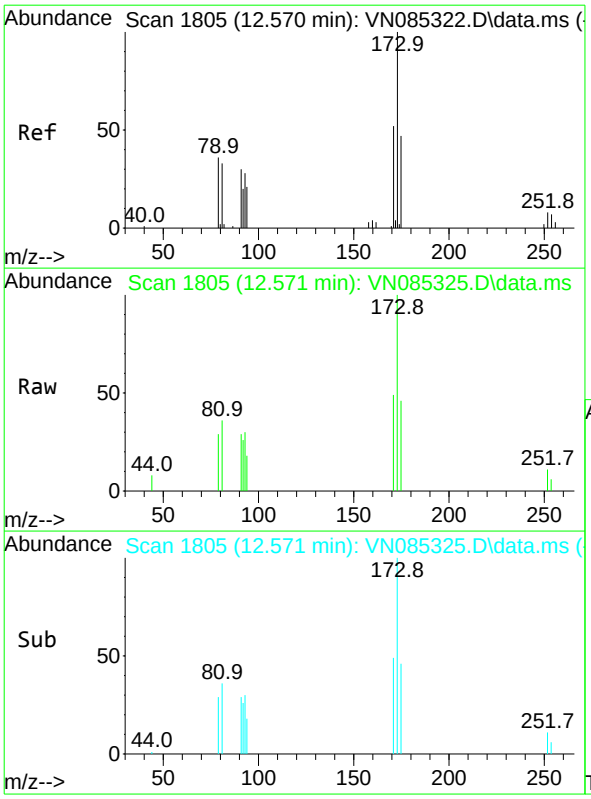


#70
Styrene
Concen: 4.676 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:104 Resp: 21804

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.7	61.1
103	55.8	44.1	66.1

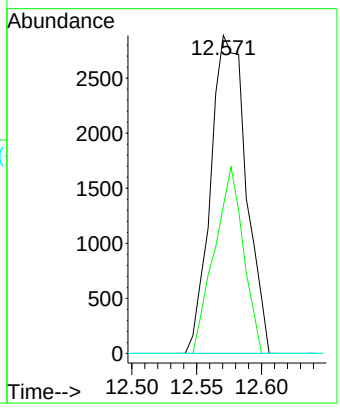




#71
Bromoform
Concen: 4.837 ug/l
RT: 12.571 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:173 Resp: 5494

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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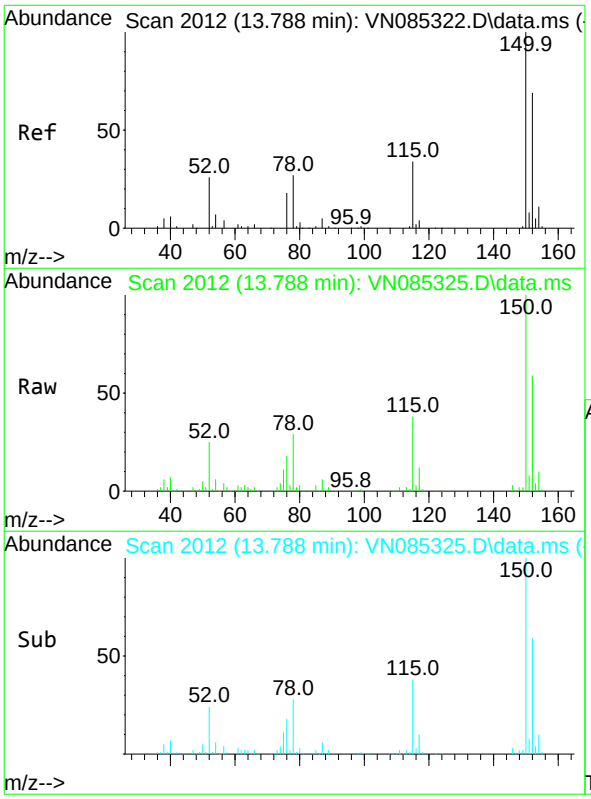
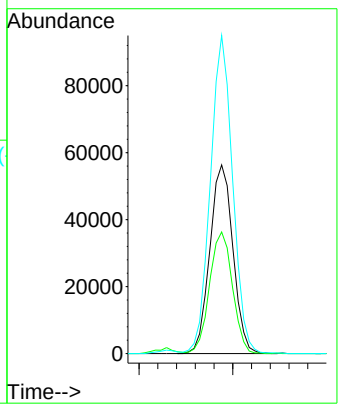
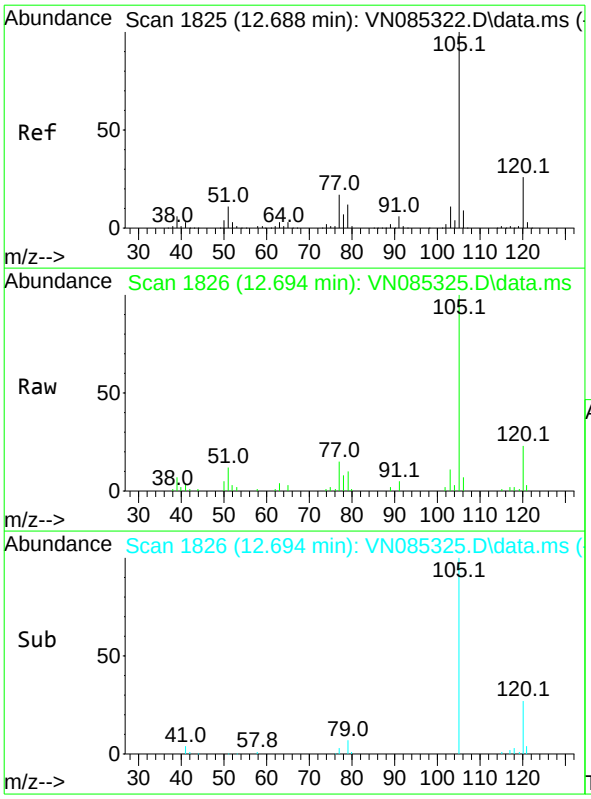


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:152 Resp: 96471

Ion	Ratio	Lower	Upper
152	100		
115	64.0	30.4	91.3
150	162.6	0.0	345.0

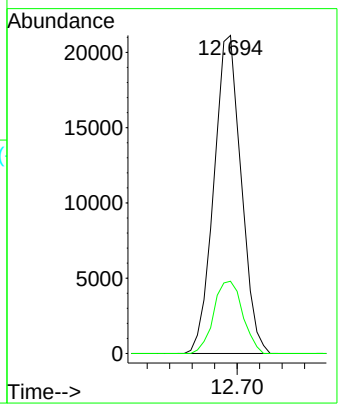




#73
Isopropylbenzene
Concen: 5.124 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 35544

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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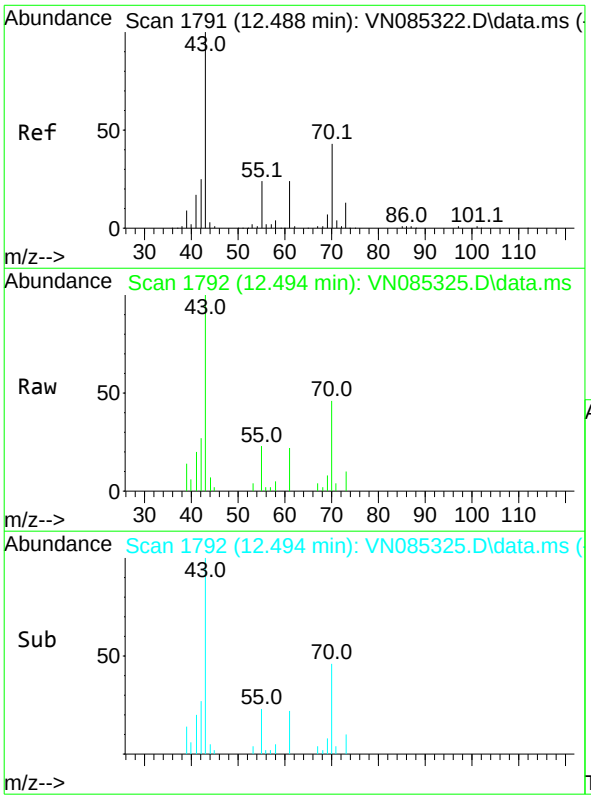
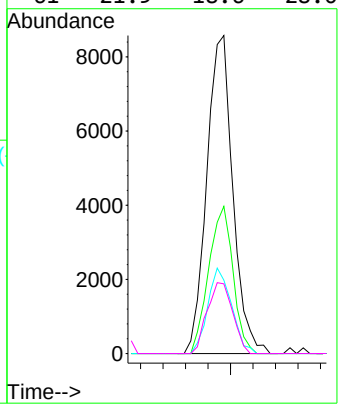
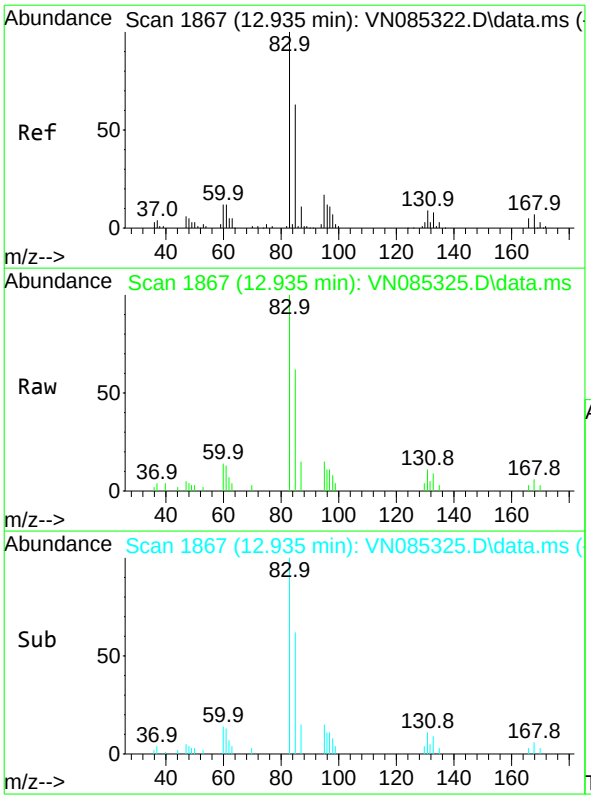


#74
N-amyl acetate
Concen: 4.651 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 13811

Ion	Ratio	Lower	Upper
43	100		
70	43.2	33.4	50.0
55	24.5	19.2	28.8
61	21.9	18.6	28.0

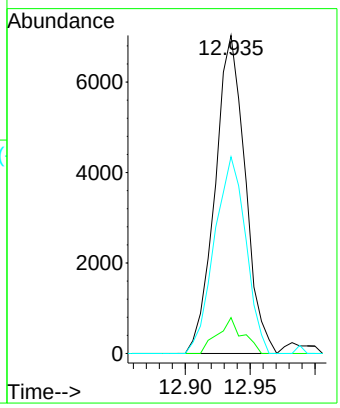




#75
1,1,2,2-Tetrachloroethane
Concen: 5.137 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 83 Resp: 11349

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.6	32.6	98.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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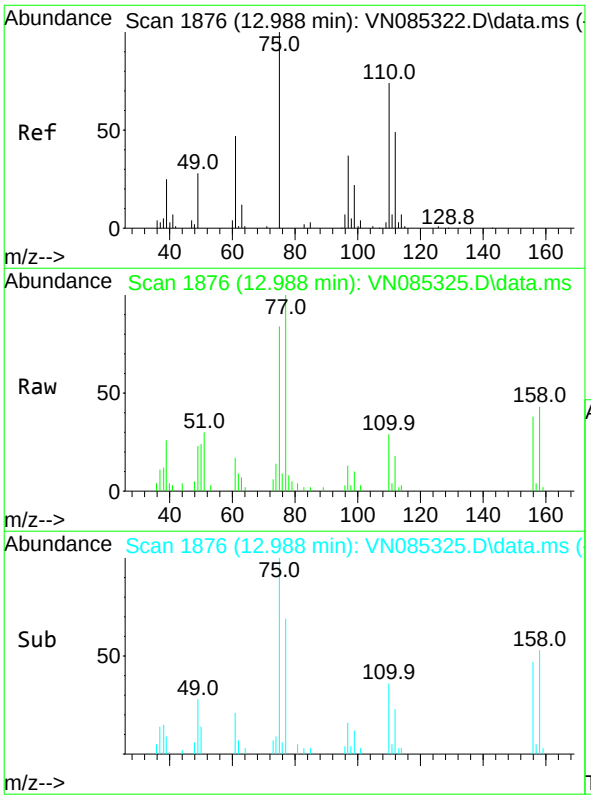
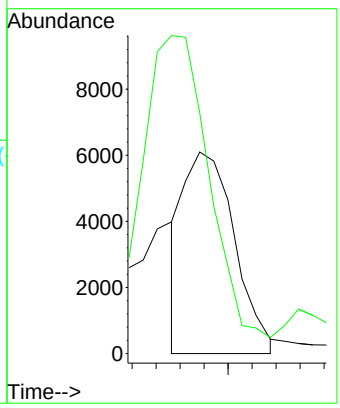
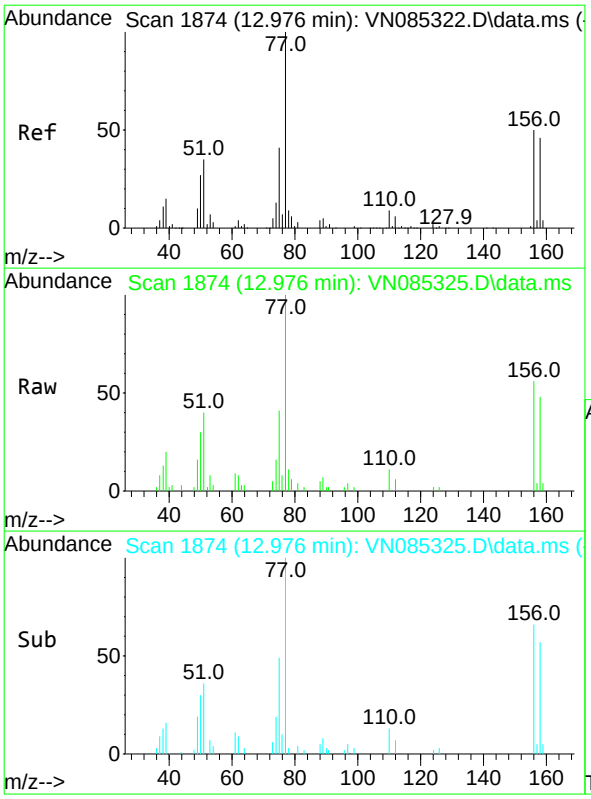


#76
1,2,3-Trichloropropane
Concen: 4.883 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 9049

Ion	Ratio	Lower	Upper
75	100		
77	218.9	98.1	294.3

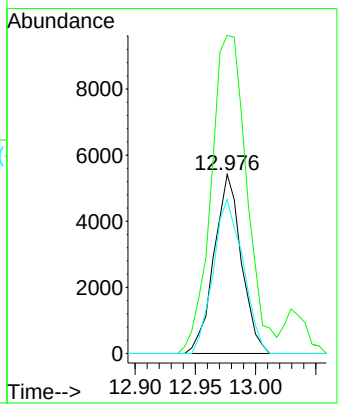




#77
Bromobenzene
Concen: 4.971 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:156 Resp: 8544

Ion	Ratio	Lower	Upper
156	100		
77	231.9	114.0	342.0
158	93.9	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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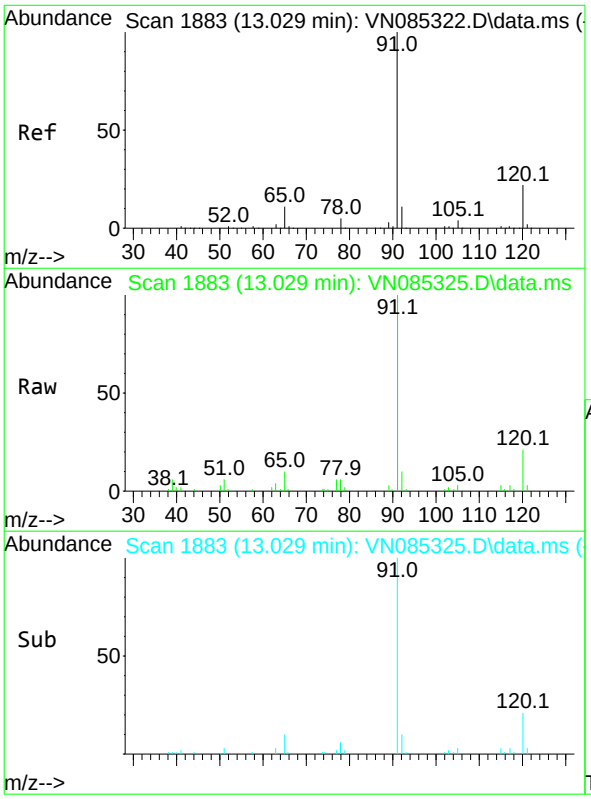
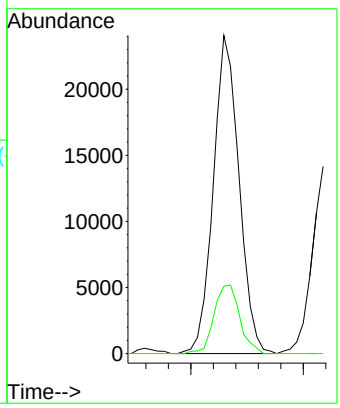
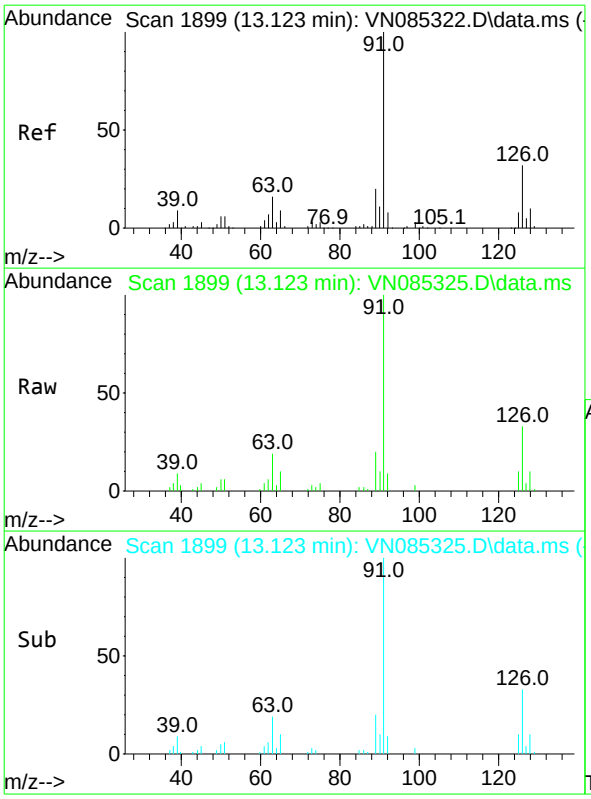


#78
n-propylbenzene
Concen: 4.722 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 38185

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.9

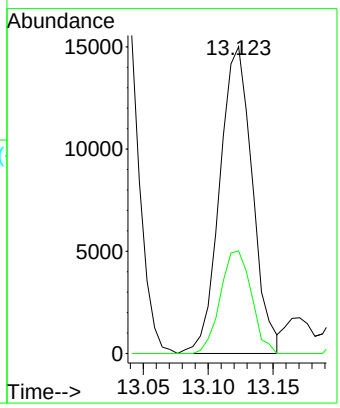




#79
2-Chlorotoluene
Concen: 5.164 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 26279

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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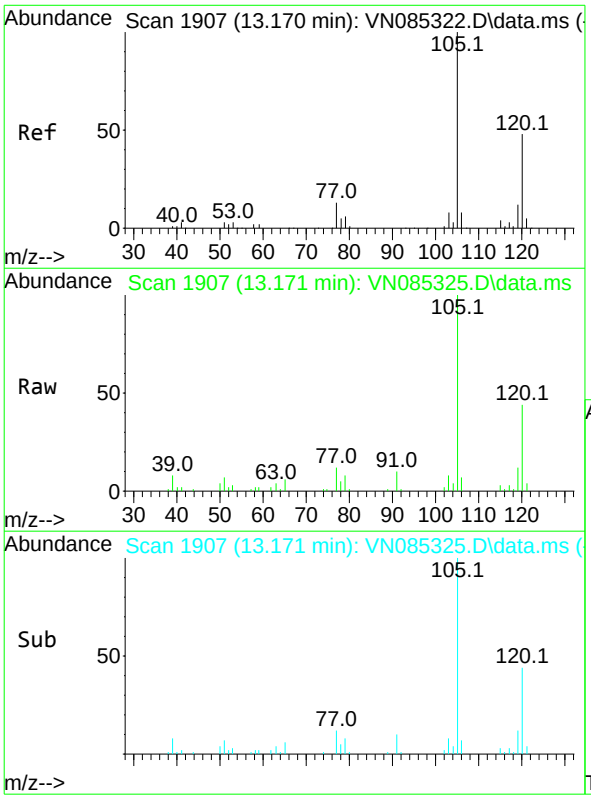
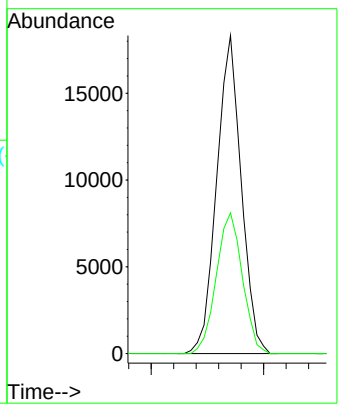
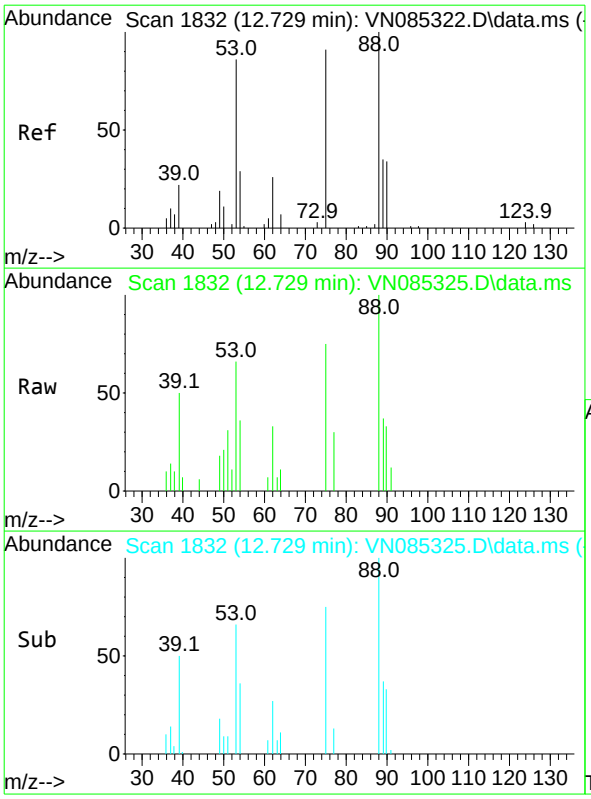


#80
1,3,5-Trimethylbenzene
Concen: 4.952 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 27787

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.0	72.0

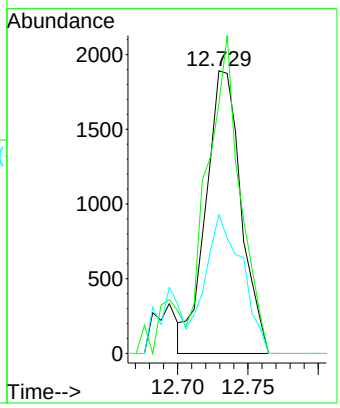




#81
trans-1,4-Dichloro-2-butene
Concen: 4.391 ug/l
RT: 12.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 3288

Ion	Ratio	Lower	Upper
75	100		
53	103.2	80.0	120.0
89	51.5	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
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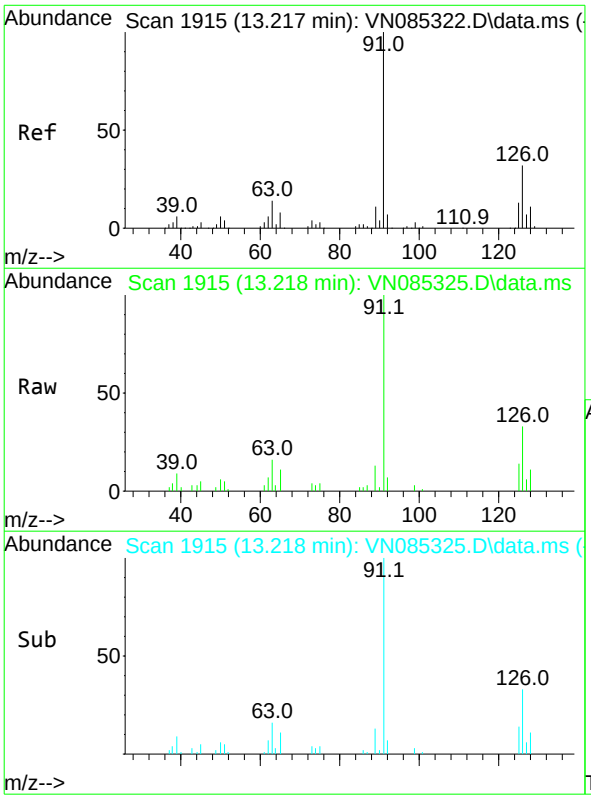
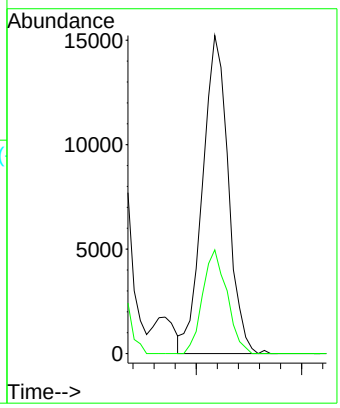
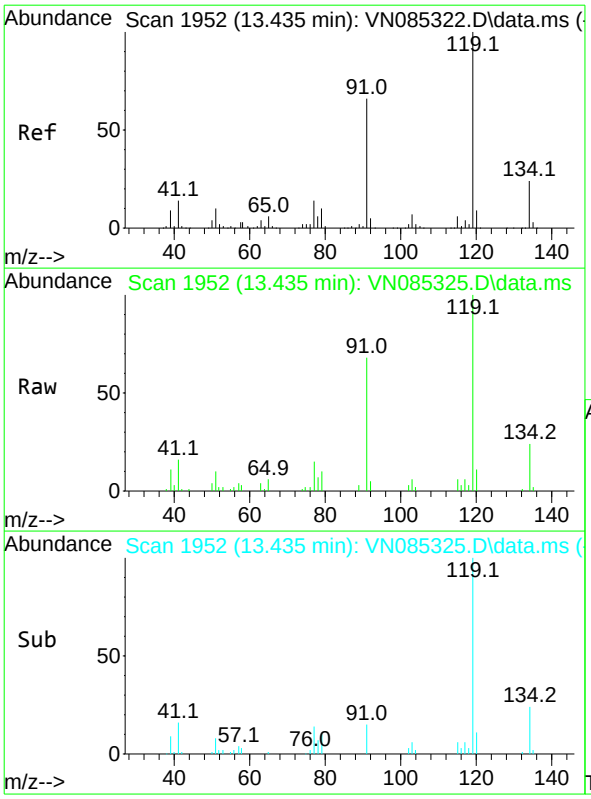


#82
4-Chlorotoluene
Concen: 5.016 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 25709

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.4	49.4

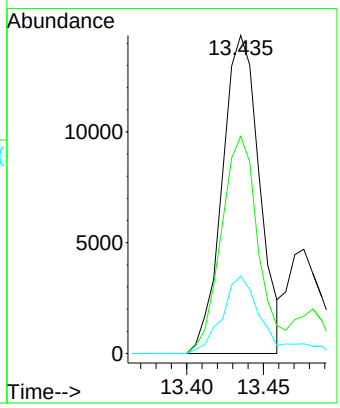




#83
tert-Butylbenzene
Concen: 4.969 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:119 Resp: 24152

Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.6	100.8
134	24.7	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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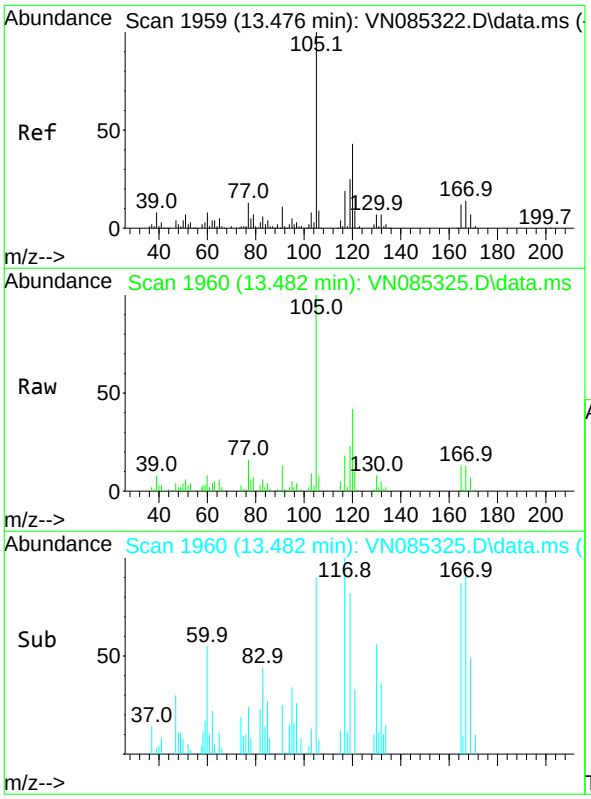
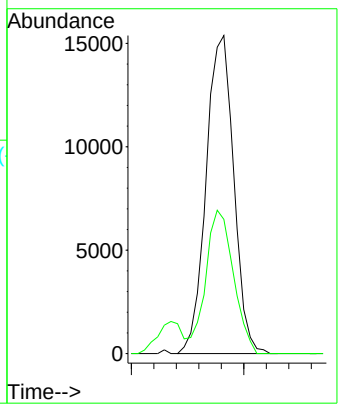
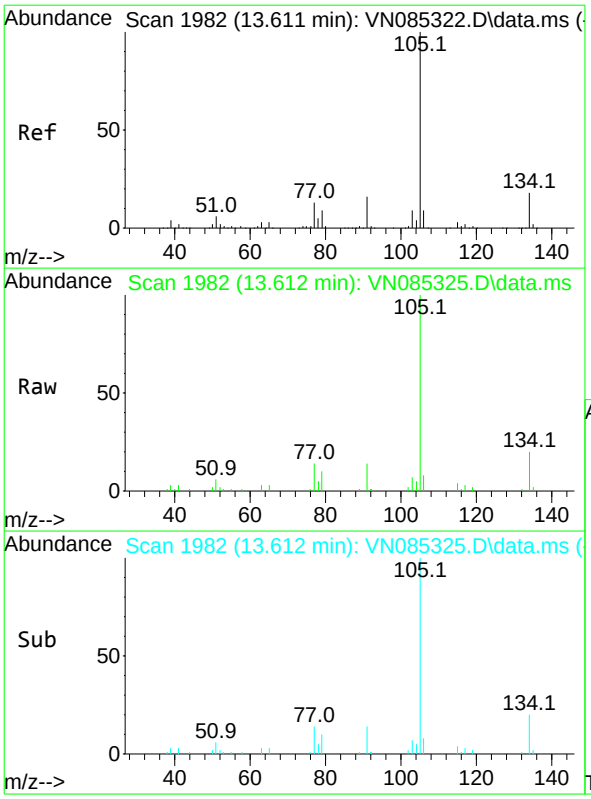


#84
1,2,4-Trimethylbenzene
Concen: 4.696 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 26238

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.7	65.1

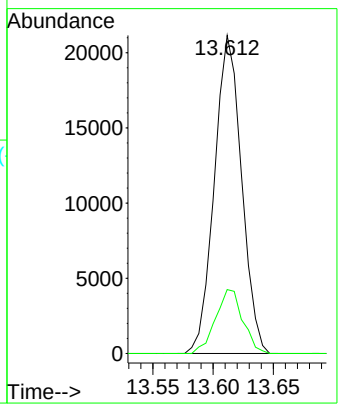




#85
sec-Butylbenzene
Concen: 4.923 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 33215

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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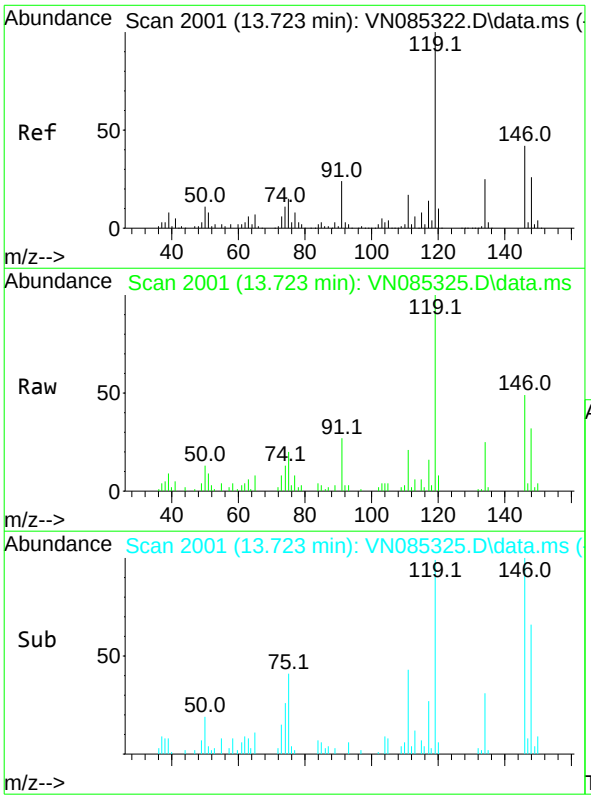
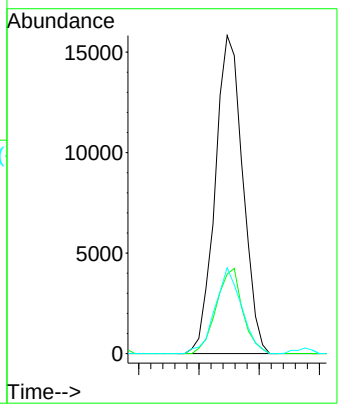
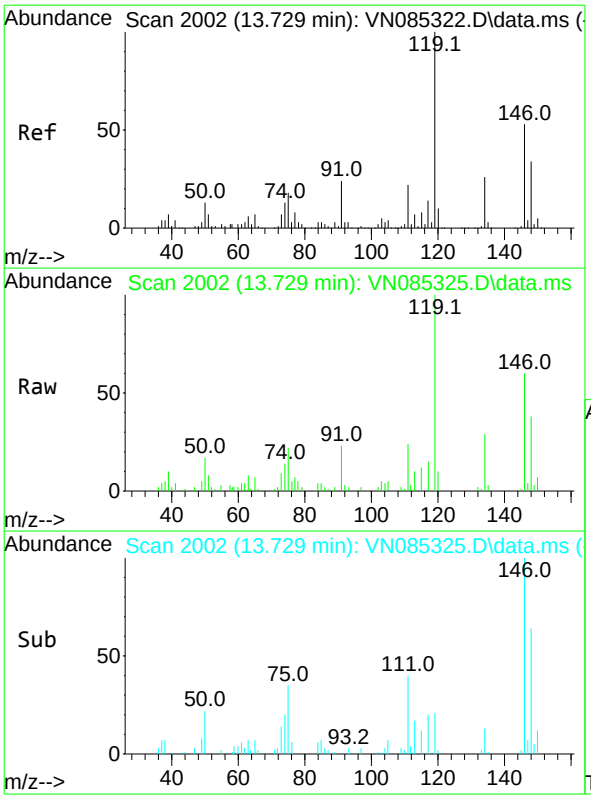


#86
p-Isopropyltoluene
Concen: 4.594 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:119 Resp: 25238

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	25.8	12.2	36.4

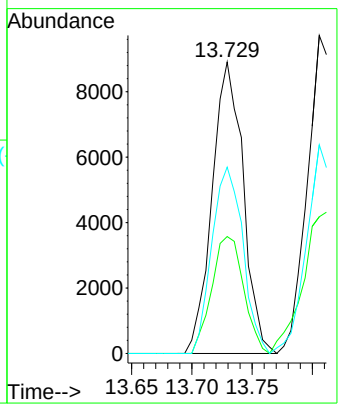




#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:146 Resp: 15966

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.9
148	63.8	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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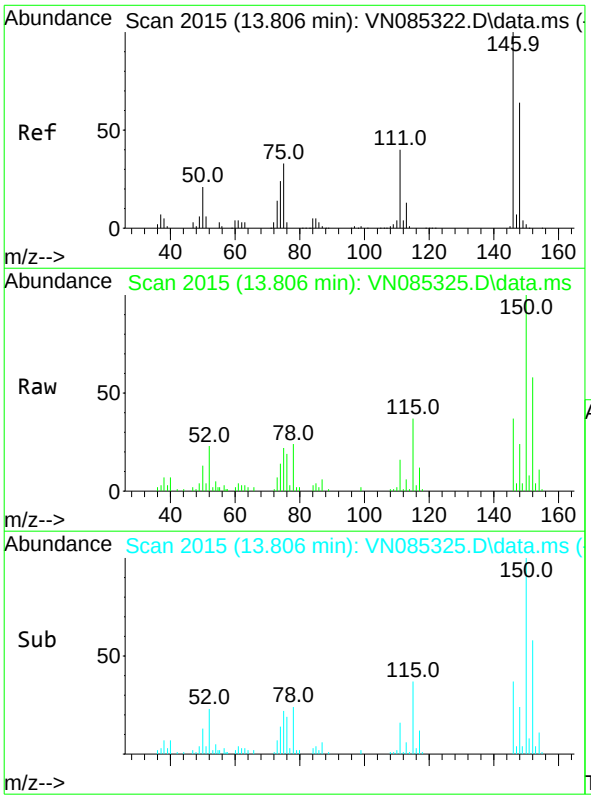
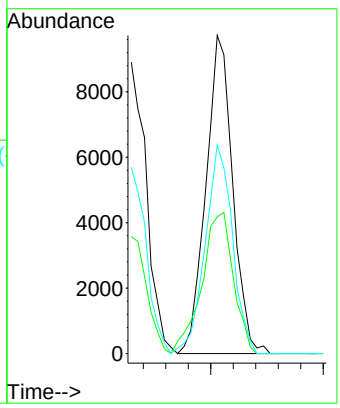
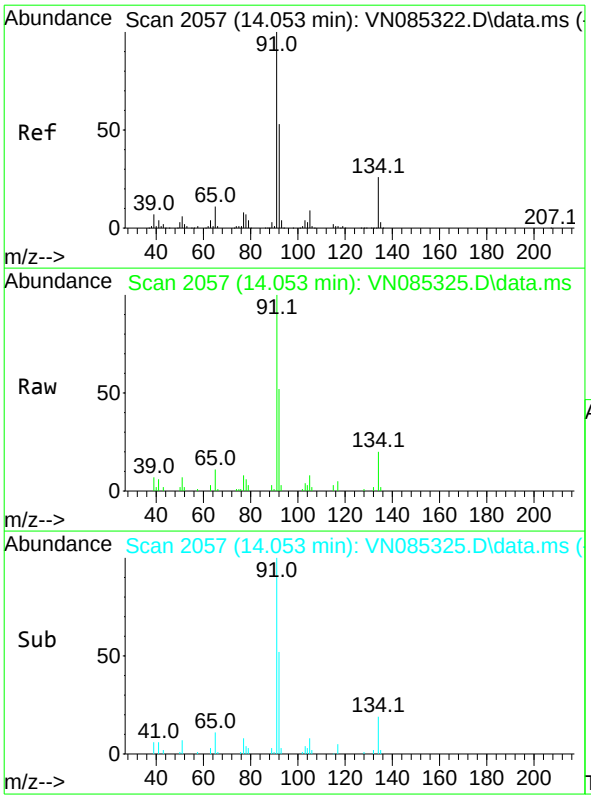


#88
1,4-Dichlorobenzene
Concen: 5.022 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:146 Resp: 16072

Ion	Ratio	Lower	Upper
146	100		
111	52.4	20.8	62.5
148	66.7	31.7	95.1

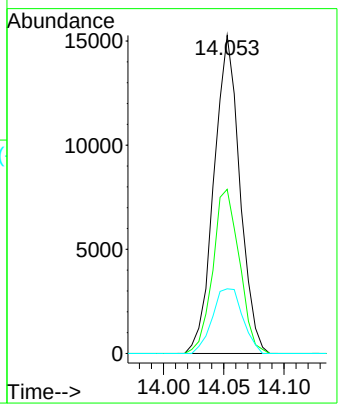




#89
n-Butylbenzene
Concen: 4.616 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 22807

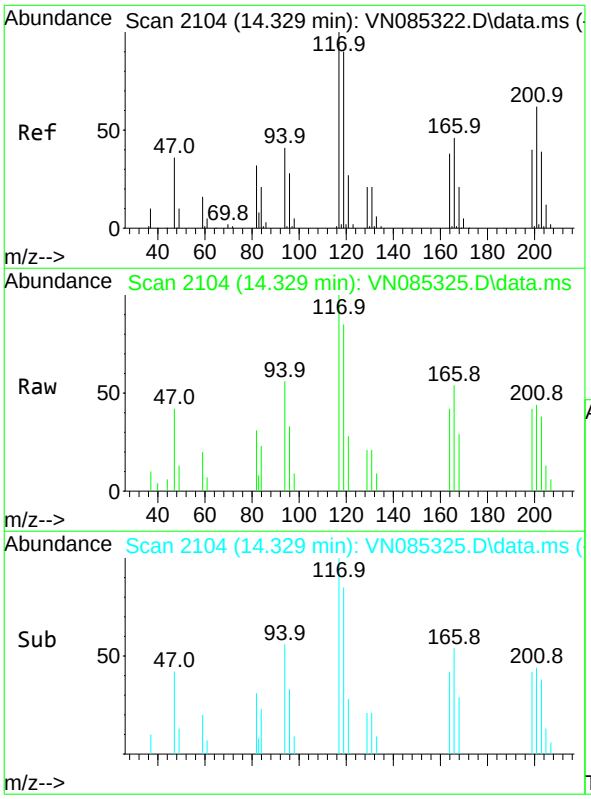
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	23.9	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

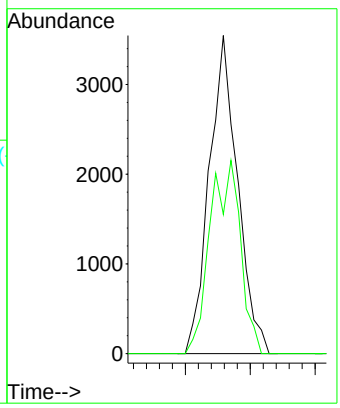
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

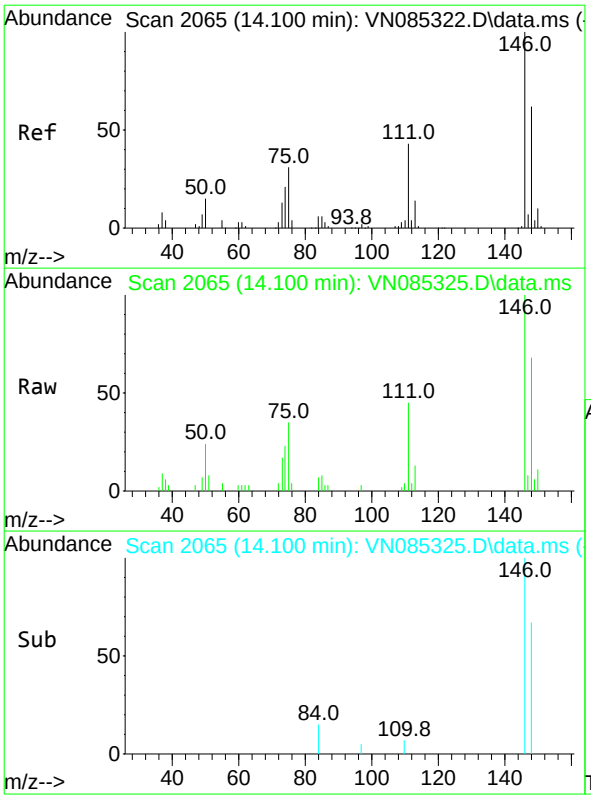


#90
Hexachloroethane
Concen: 4.881 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:117 Resp: 5398

Ion	Ratio	Lower	Upper
117	100		
201	64.9	30.7	92.1

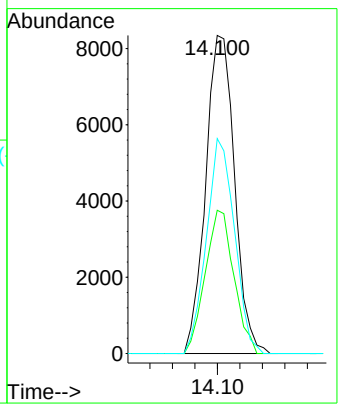




#91
1,2-Dichlorobenzene
Concen: 5.014 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:146 Resp: 14881

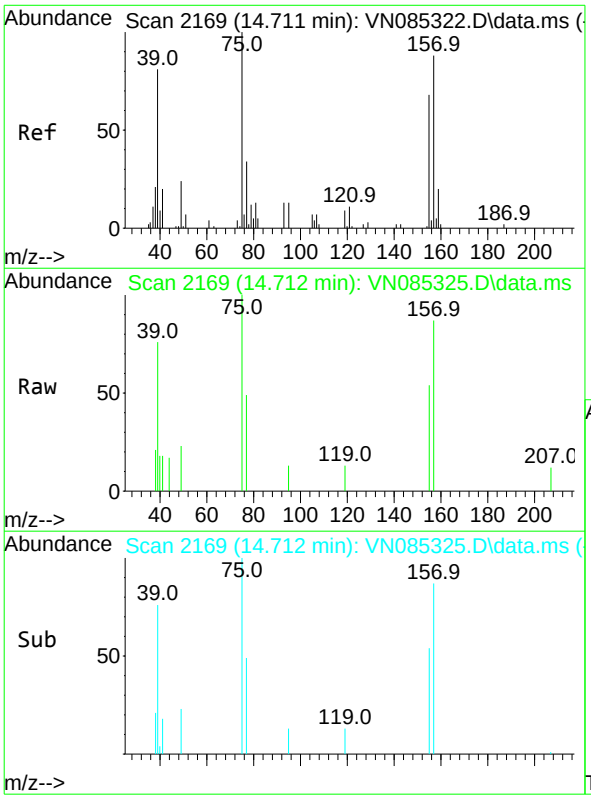
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.8	65.3
148	65.7	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

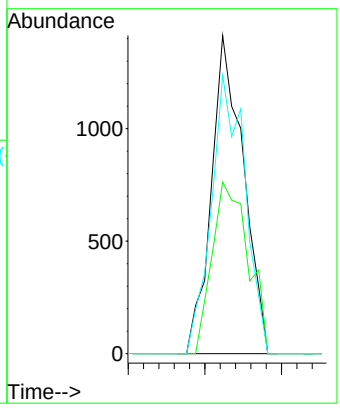
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

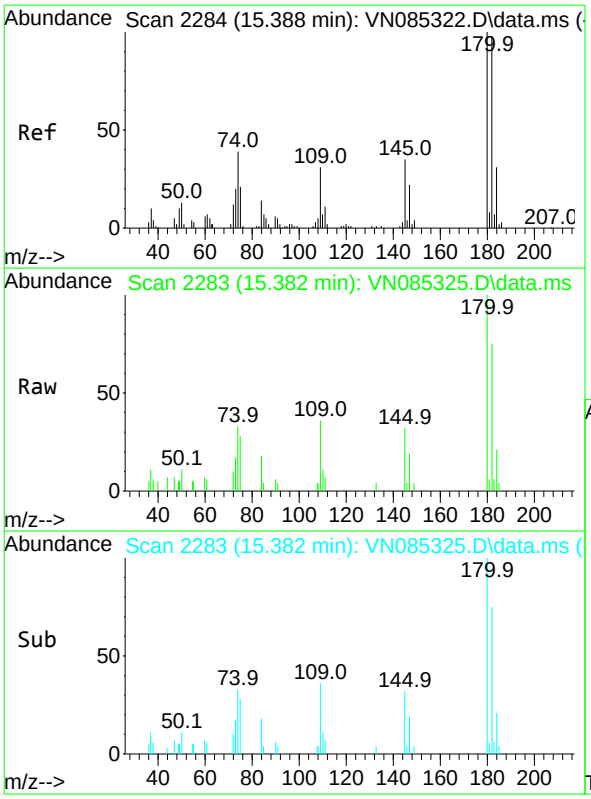


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.206 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 2047

Ion	Ratio	Lower	Upper
75	100		
155	60.8	35.6	106.9
157	92.3	47.0	141.0

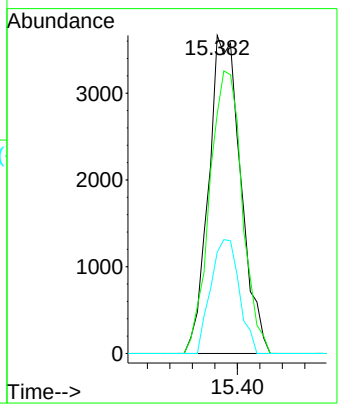




#93
1,2,4-Trichlorobenzene
Concen: 4.894 ug/l
RT: 15.382 min Scan# 22
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:180 Resp: 7250

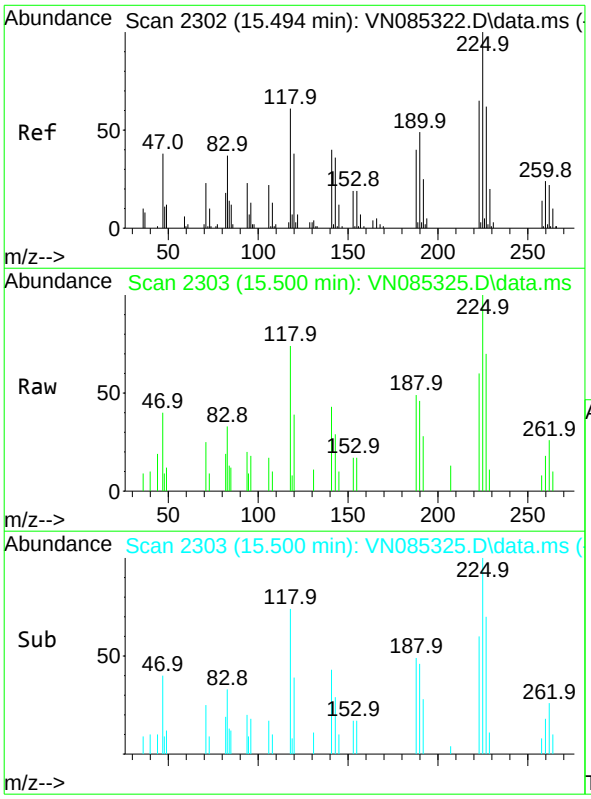
Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.2	141.6
145	31.7	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

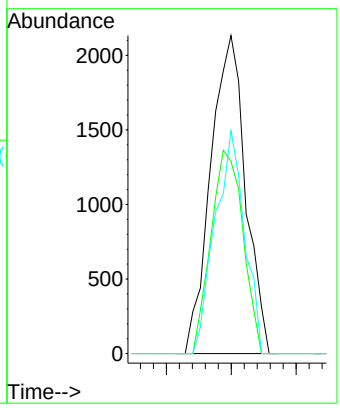
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

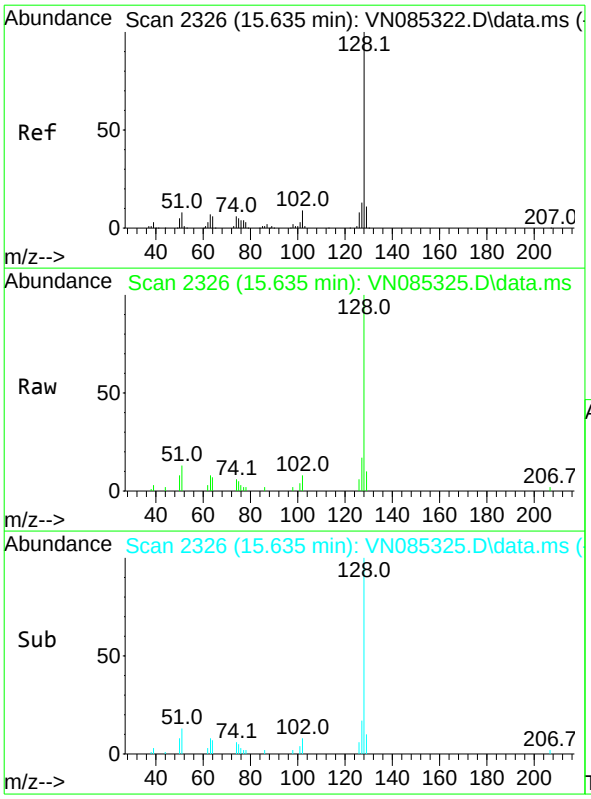


#94
Hexachlorobutadiene
Concen: 5.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:225 Resp: 3976

Ion	Ratio	Lower	Upper
225	100		
223	58.8	31.6	94.7
227	59.1	30.3	91.0

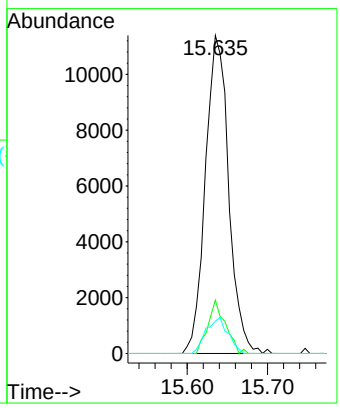




#95
Naphthalene
Concen: 4.572 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:128 Resp: 22967

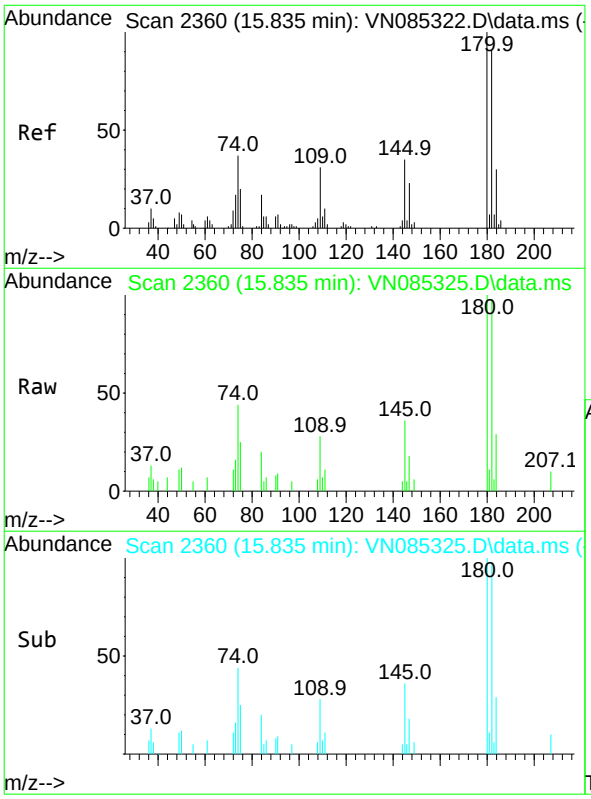
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.7	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

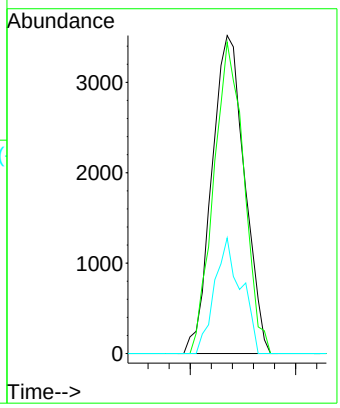
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 5.131 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:180 Resp: 7594

Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.8	140.4
145	29.6	17.2	51.6



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	81571	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	2.130	85	1733	0.960	ug/l #	70
3) Chloromethane	2.359	50	2616	1.290	ug/l	92
4) Vinyl Chloride	2.512	62	2294	1.069	ug/l	93
6) Chloroethane	3.130	64	1394	1.025	ug/l	91
7) Trichlorofluoromethane	3.500	101	2816	0.999	ug/l	93
8) Diethyl Ether	3.971	74	756	0.810	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.383	101	1581m	0.985	ug/l	
12) 1,1-Dichloroethene	4.341	96	1405	0.947	ug/l #	78
14) Allyl chloride	5.030	41	2441	1.028	ug/l #	68
15) Acrylonitrile	5.712	53	3700m	4.932	ug/l	
16) Acetone	4.430	43	3332	5.323	ug/l #	58
17) Carbon Disulfide	4.718	76	5381	1.193	ug/l	96
18) Methyl Acetate	5.030	43	1947	1.016	ug/l #	59
19) Methyl tert-butyl Ether	5.800	73	4219	0.875	ug/l #	88
20) Methylene Chloride	5.271	84	1722	1.023	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	1530	0.988	ug/l #	85
22) Diisopropyl ether	6.677	45	4276	0.836	ug/l #	93
23) Vinyl Acetate	6.600	43	15012	4.083	ug/l	100
24) 1,1-Dichloroethane	6.559	63	3050	0.990	ug/l #	82
25) 2-Butanone	7.482	43	4530	4.665	ug/l	97
26) 2,2-Dichloropropane	7.488	77	2343	0.868	ug/l #	67
27) cis-1,2-Dichloroethene	7.482	96	1732	0.953	ug/l	99
28) Bromochloromethane	7.800	49	1221m	0.853	ug/l	
29) Tetrahydrofuran	7.835	42	2727	4.360	ug/l	99
30) Chloroform	7.953	83	3291	1.044	ug/l #	74
32) 1,1,1-Trichloroethane	8.165	97	2817	1.001	ug/l #	50
36) 1,1-Dichloropropene	8.371	75	2094	0.929	ug/l #	74
37) Ethyl Acetate	7.559	43	2400	1.071	ug/l #	70
38) Carbon Tetrachloride	8.359	117	2232	0.908	ug/l #	93
39) Methylcyclohexane	9.600	83	1910	0.817	ug/l	90
40) Benzene	8.606	78	6282	0.922	ug/l	99
41) Methacrylonitrile	7.788	41	903m	0.787	ug/l	
42) 1,2-Dichloroethane	8.665	62	2346	0.960	ug/l #	76
43) Isopropyl Acetate	8.694	43	3615	0.980	ug/l #	84
44) Trichloroethene	9.347	130	1696	1.051	ug/l	89
45) 1,2-Dichloropropane	9.623	63	1658	0.958	ug/l #	81

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.712	93	1092	0.908	ug/l		96
47) Bromodichloromethane	9.882	83	2265	0.906	ug/l	#	87
48) Methyl methacrylate	9.682	41	1319	0.824	ug/l	#	88
49) 1,4-Dioxane	9.688	88	300m	12.421	ug/l		
51) 4-Methyl-2-Pentanone	10.441	43	8337	4.021	ug/l		100
52) Toluene	10.629	92	3329	0.820	ug/l		95
53) t-1,3-Dichloropropene	10.829	75	1964	0.799	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	2254	0.848	ug/l	#	82
55) 1,1,2-Trichloroethane	11.012	97	1466	0.957	ug/l		91
56) Ethyl methacrylate	10.876	69	1600	0.717	ug/l		100
57) 1,3-Dichloropropane	11.165	76	2306	0.858	ug/l	#	84
58) 2-Chloroethyl Vinyl ether	10.165	63	3585	3.321	ug/l		91
59) 2-Hexanone	11.194	43	5577	3.877	ug/l		89
60) Dibromochloromethane	11.353	129	1329	0.770	ug/l		72
61) 1,2-Dibromoethane	11.470	107	1298	0.856	ug/l		100
64) Tetrachloroethene	11.100	164	1118	0.851	ug/l	#	83
65) Chlorobenzene	11.882	112	4664	1.041	ug/l	#	81
66) 1,1,1,2-Tetrachloroethane	11.959	131	1447	0.962	ug/l	#	59
67) Ethyl Benzene	11.959	91	6412	0.860	ug/l		92
68) m/p-Xylenes	12.064	106	3925	1.439	ug/l		89
69) o-Xylene	12.394	106	2091	0.792	ug/l		94
70) Styrene	12.417	104	3030	0.708	ug/l		97
71) Bromoform	12.570	173	859	0.824	ug/l	#	99
73) Isopropylbenzene	12.694	105	4362	0.744	ug/l		95
74) N-amyl acetate	12.494	43	2086	0.831	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	1959	1.049	ug/l	#	86
76) 1,2,3-Trichloropropane	12.988	75	1809m	1.154	ug/l		
77) Bromobenzene	12.976	156	1544	1.062	ug/l		95
78) n-propylbenzene	13.029	91	5290	0.774	ug/l		99
79) 2-Chlorotoluene	13.123	91	3518	0.818	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	3380	0.712	ug/l		91
82) 4-Chlorotoluene	13.217	91	3768	0.869	ug/l		92
83) tert-Butylbenzene	13.441	119	3239	0.788	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3339	0.707	ug/l		99
85) sec-Butylbenzene	13.611	105	4066	0.713	ug/l		98
86) p-Isopropyltoluene	13.723	119	2921	0.798	ug/l		93
87) 1,3-Dichlorobenzene	13.729	146	2485	0.943	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	2825m	1.044	ug/l		
89) n-Butylbenzene	14.053	91	3482	0.833	ug/l		91
90) Hexachloroethane	14.329	117	831	0.889	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	2255	0.899	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	309	0.929	ug/l	#	73
93) 1,2,4-Trichlorobenzene	15.388	180	1193	0.952	ug/l		91
94) Hexachlorobutadiene	15.500	225	681	1.094	ug/l		75
95) Naphthalene	15.641	128	4815	1.134	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.841	180	1188	0.949	ug/l	#	89

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

ICAL Form

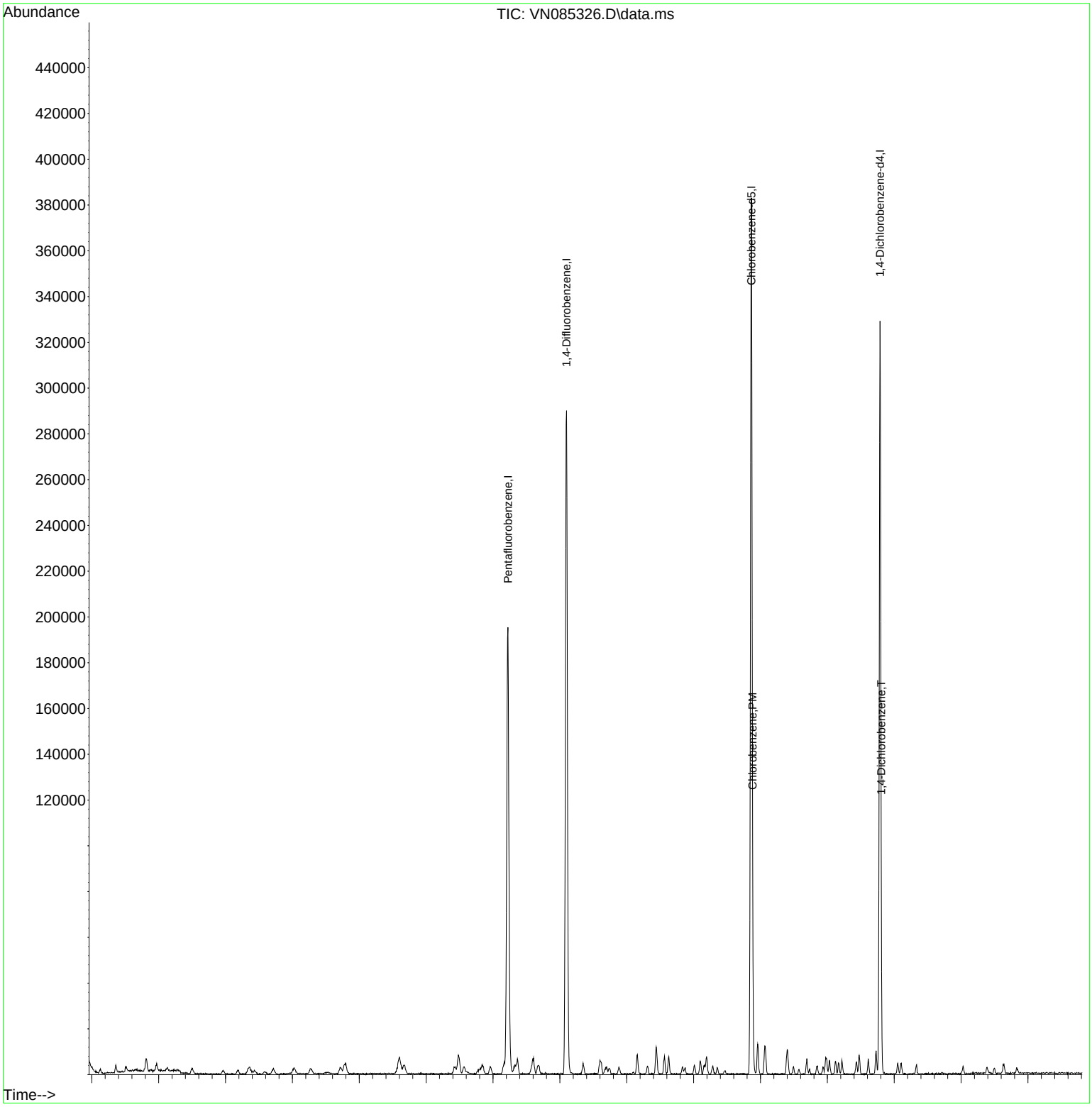
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

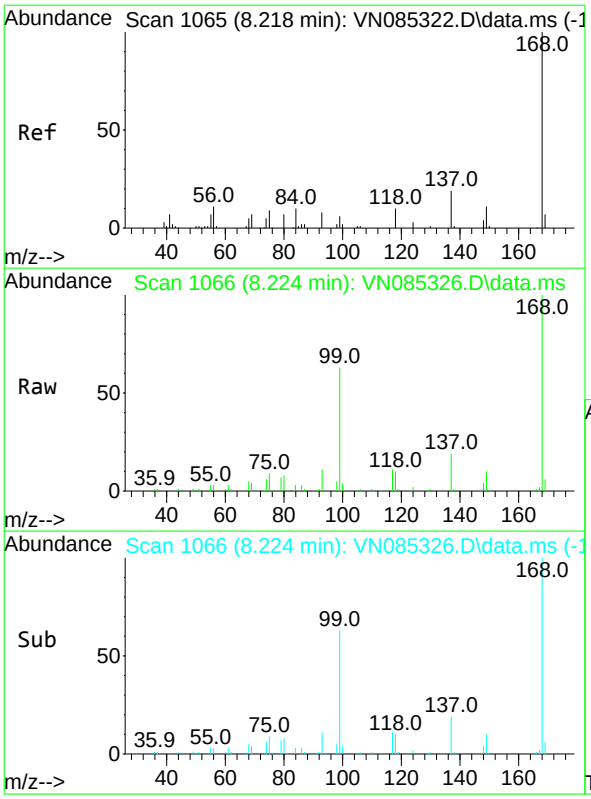
Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

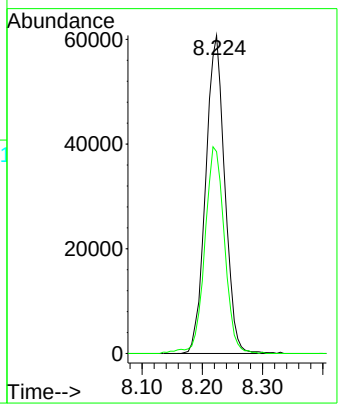




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:168 Resp: 133455

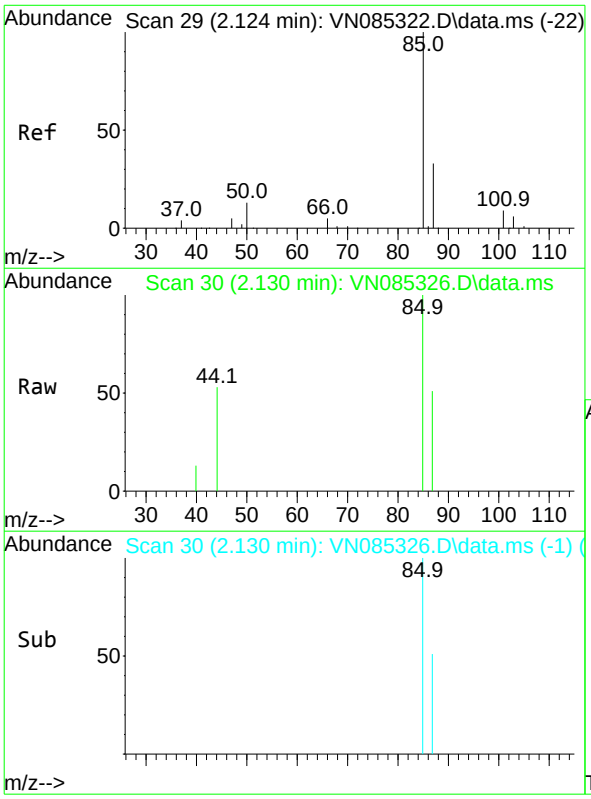
Ion	Ratio	Lower	Upper
168	100		
99	63.5	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

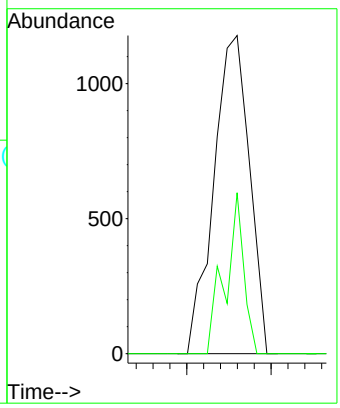
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

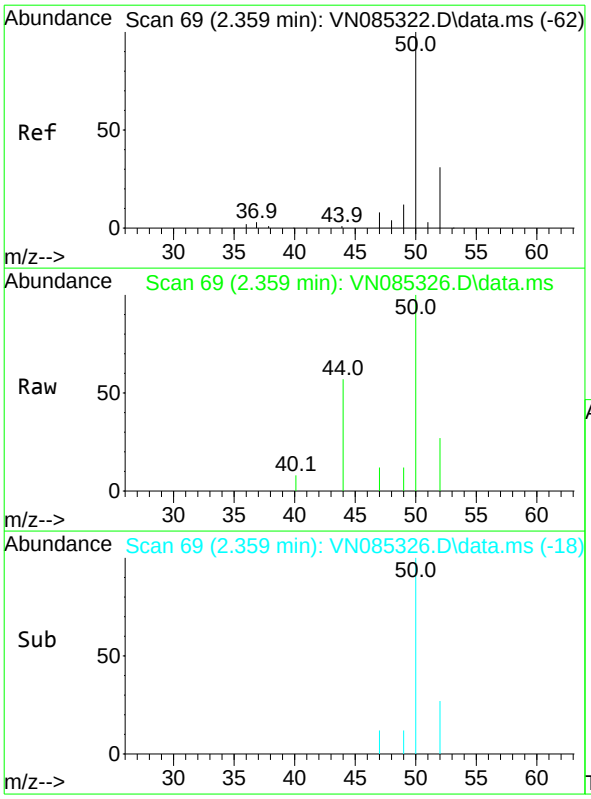


#2
Dichlorodifluoromethane
Concen: 0.960 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 85 Resp: 1733

Ion	Ratio	Lower	Upper
85	100		
87	50.6	16.8	50.3#

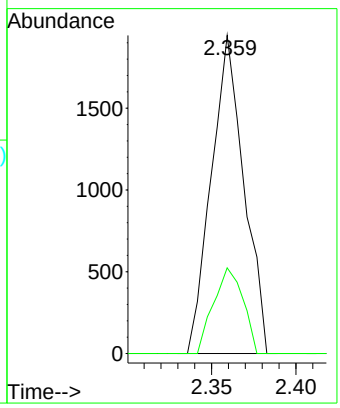




#3
Chloromethane
Concen: 1.290 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 50 Resp: 2616

Ion	Ratio	Lower	Upper
50	100		
52	26.9	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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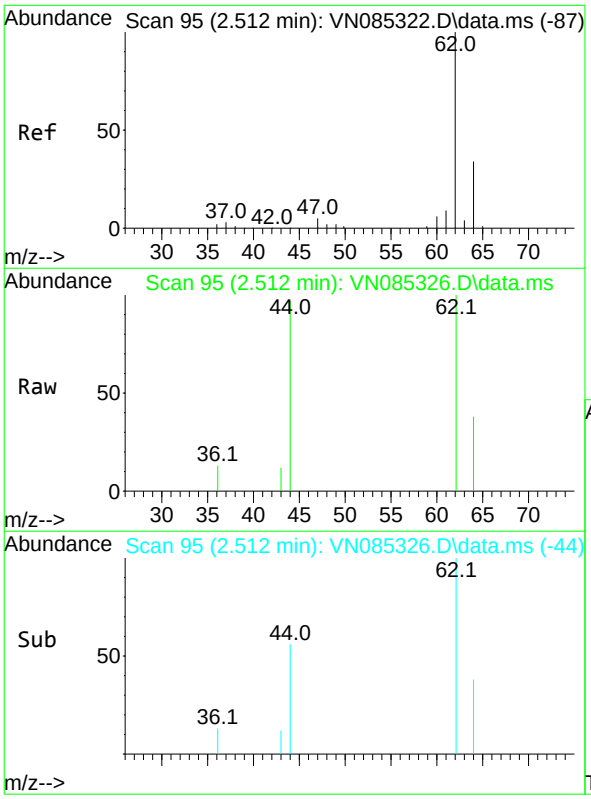
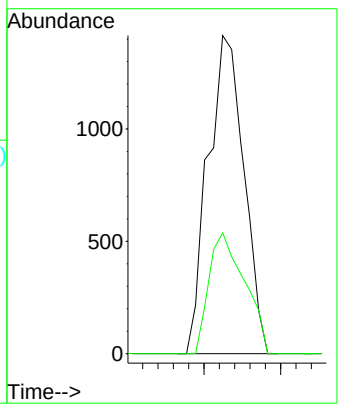
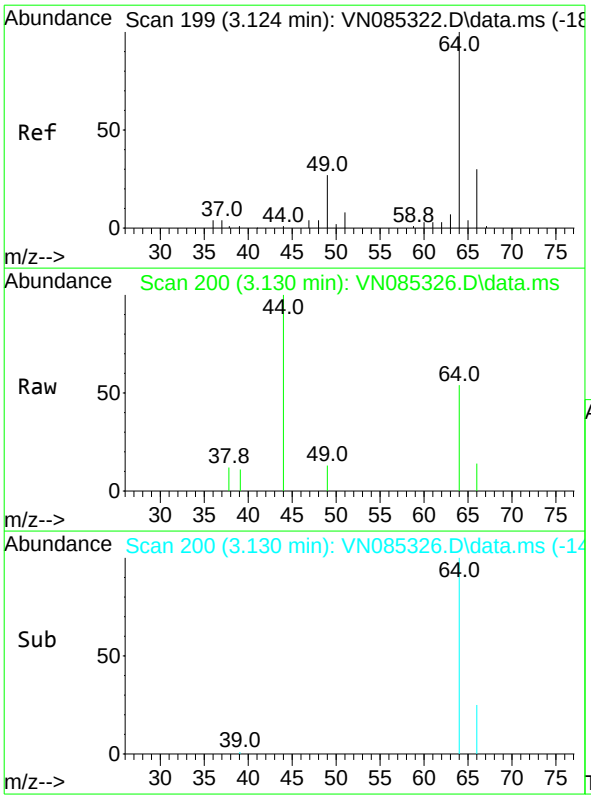


#4
Vinyl Chloride
Concen: 1.069 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 62 Resp: 2294

Ion	Ratio	Lower	Upper
62	100		
64	38.0	27.0	40.6

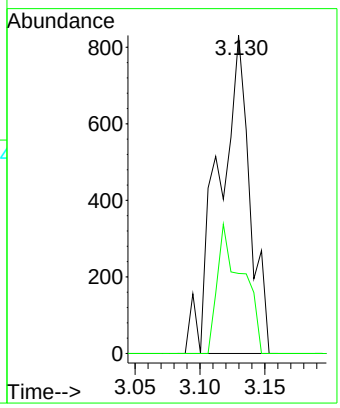




#6
Chloroethane
Concen: 1.025 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 64 Resp: 1394

Ion	Ratio	Lower	Upper
64	100		
66	25.2	24.1	36.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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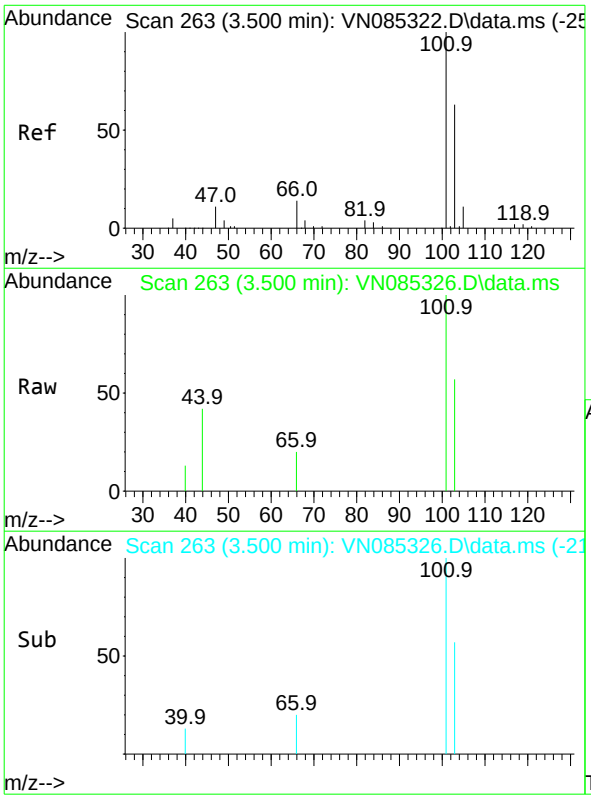
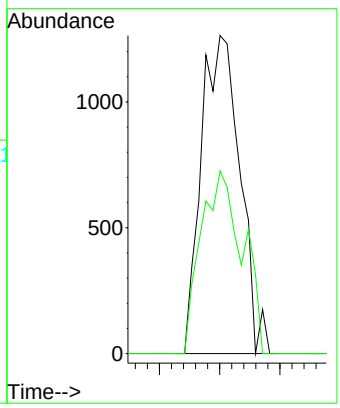
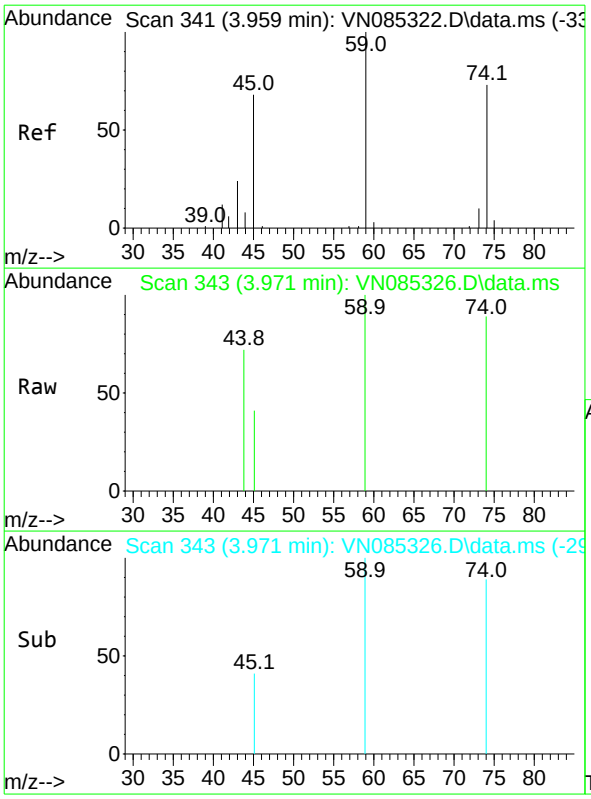


#7
Trichlorofluoromethane
Concen: 0.999 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:101 Resp: 2816

Ion	Ratio	Lower	Upper
101	100		
103	57.4	50.3	75.5

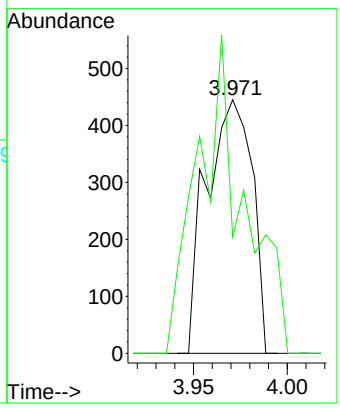




#8
Diethyl Ether
Concen: 0.810 ug/l
RT: 3.971 min Scan# 34
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 74 Resp: 756

Ion	Ratio	Lower	Upper
74	100		
45	125.5	47.5	142.6



Instrument :
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ClientSampleId :
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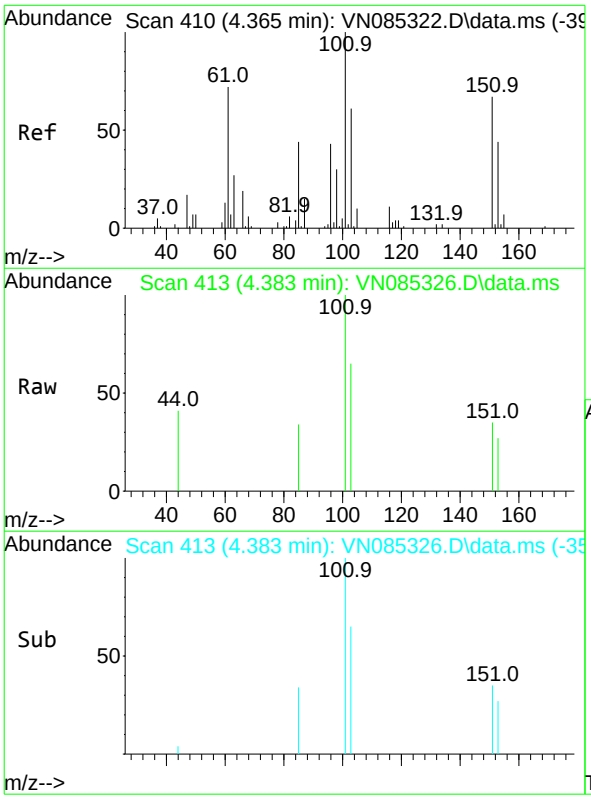
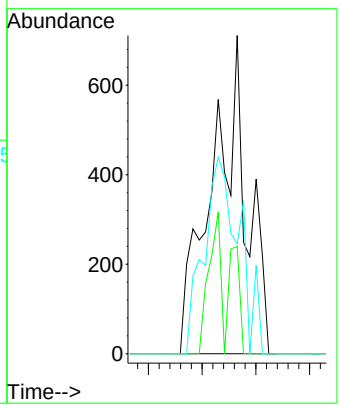
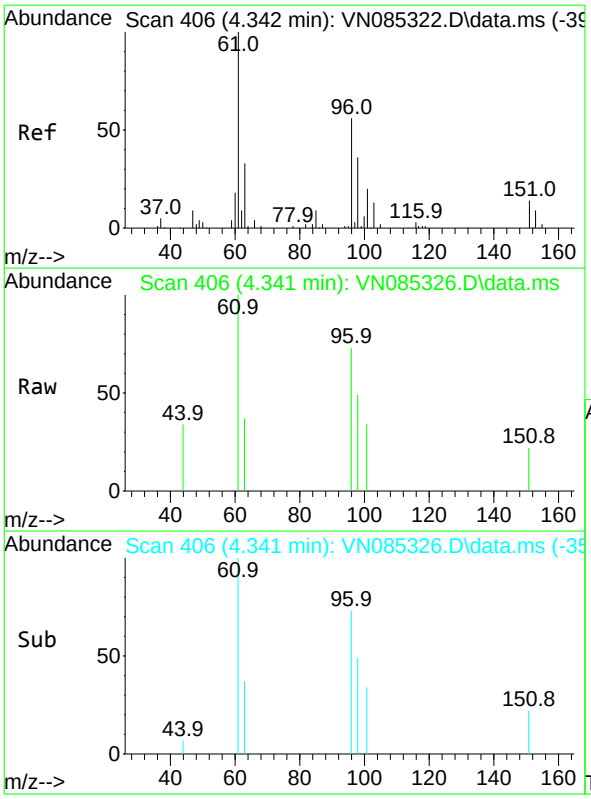


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.985 ug/l m
RT: 4.383 min Scan# 413
Delta R.T. 0.018 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:101 Resp: 1581

Ion	Ratio	Lower	Upper
101	100		
85	15.5	36.2	54.4#
151	63.4	55.8	83.6

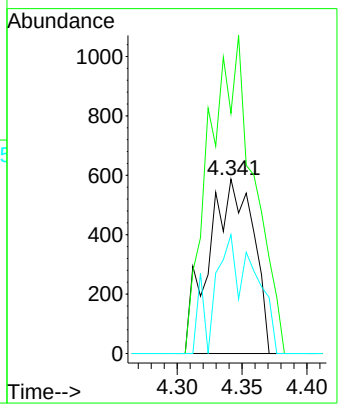




#12
1,1-Dichloroethene
Concen: 0.947 ug/l
RT: 4.341 min Scan# 40
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 96 Resp: 1405

Ion	Ratio	Lower	Upper
96	100		
61	137.8	142.4	213.6#
98	68.1	51.5	77.3



Instrument :
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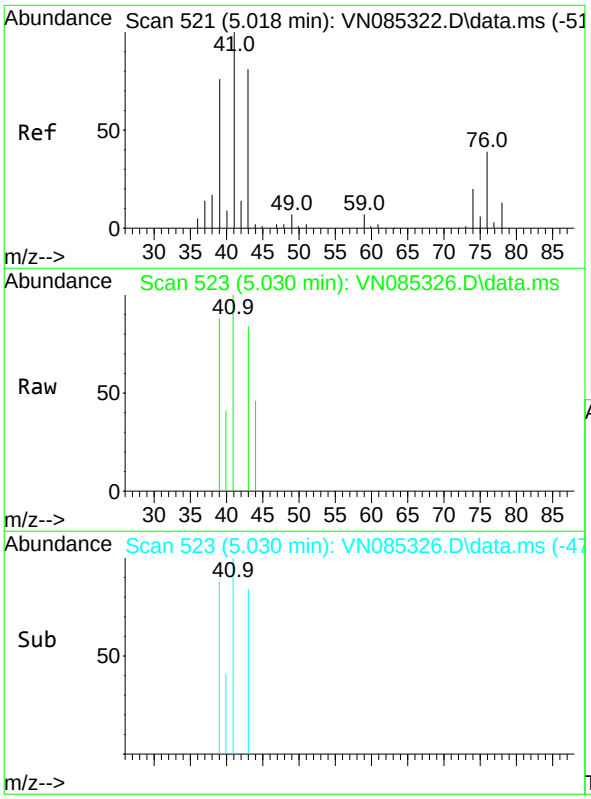
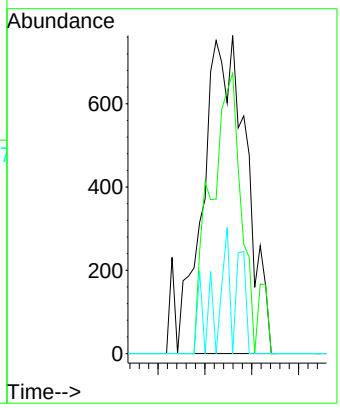
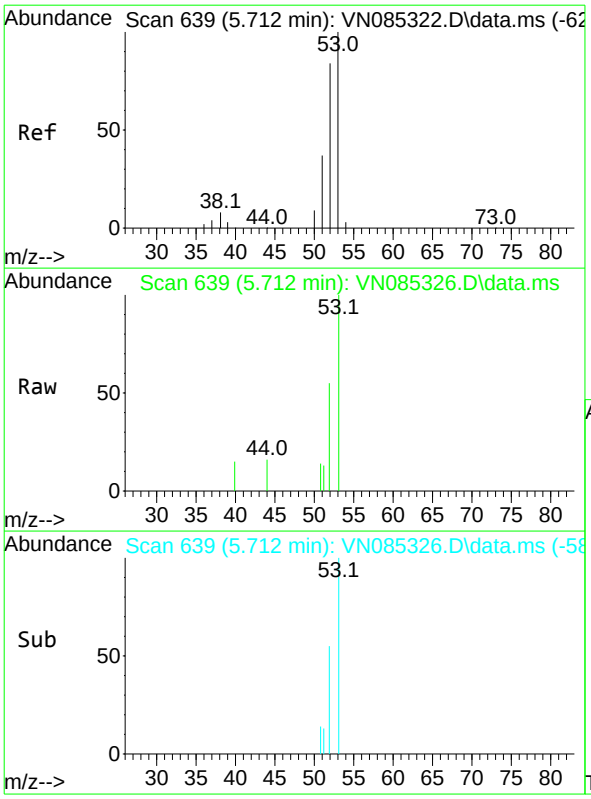


#14
Allyl chloride
Concen: 1.028 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 41 Resp: 2441

Ion	Ratio	Lower	Upper
41	100		
39	61.1	64.4	96.6#
76	6.7	31.5	47.3#

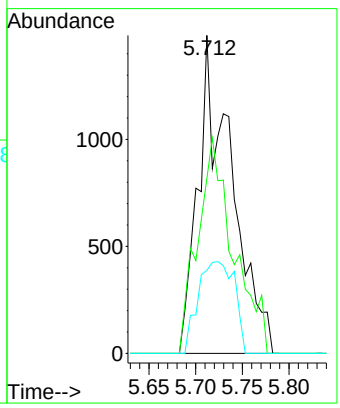




#15
Acrylonitrile
Concen: 4.932 ug/l m
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 53 Resp: 3700

Ion	Ratio	Lower	Upper
53	100		
52	72.6	66.6	100.0
51	31.3	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
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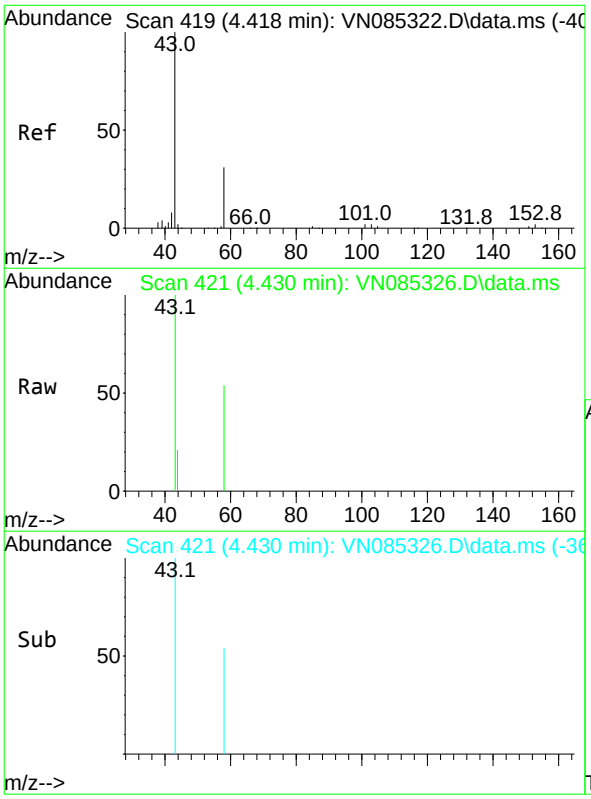
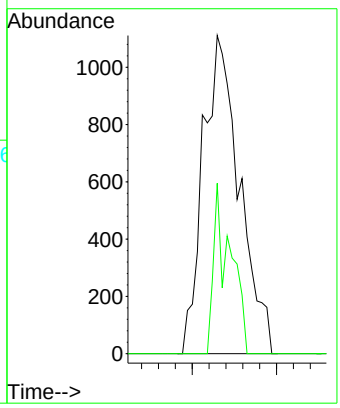
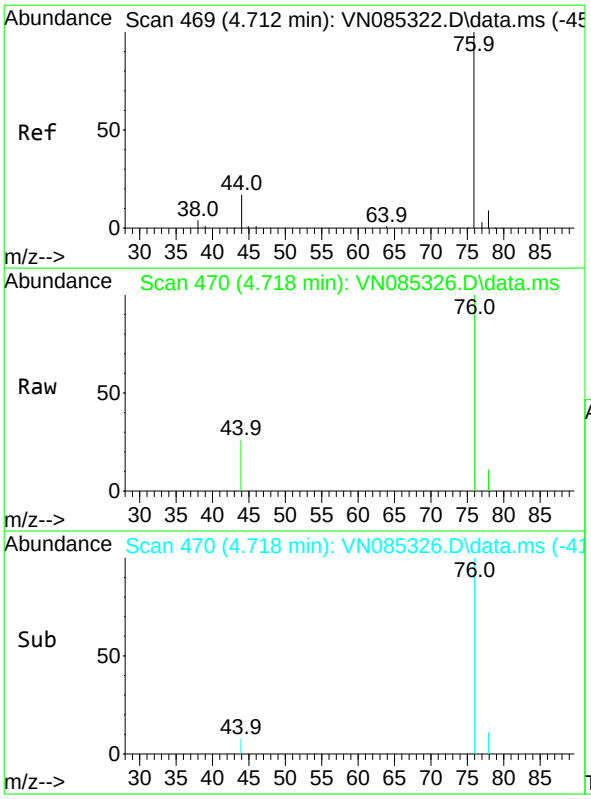


#16
Acetone
Concen: 5.323 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 3332

Ion	Ratio	Lower	Upper
43	100		
58	53.6	24.5	36.7#

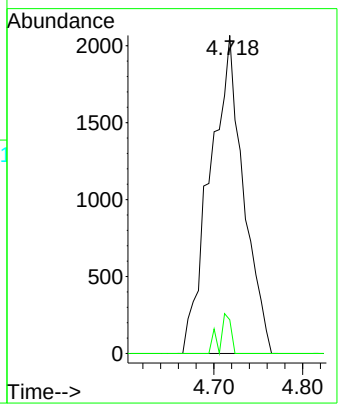




#17
Carbon Disulfide
Concen: 1.193 ug/l
RT: 4.718 min Scan# 47
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 76 Resp: 5381

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
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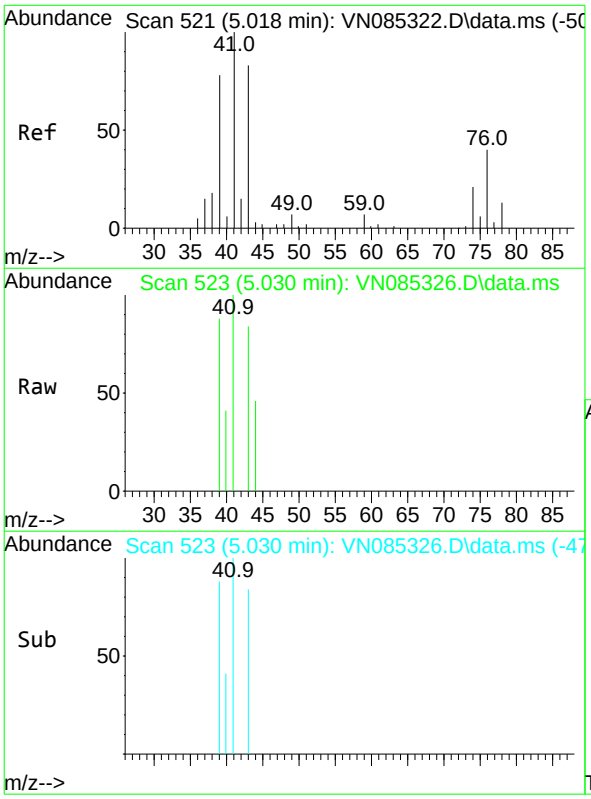
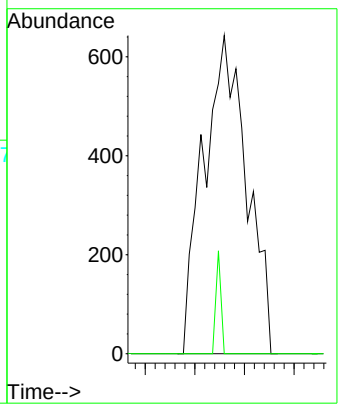
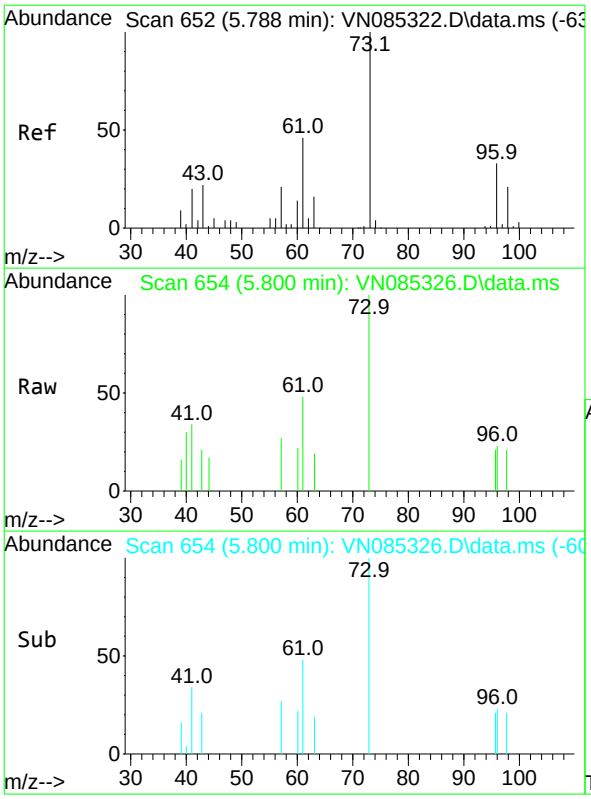


#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 1947

Ion	Ratio	Lower	Upper
43	100		
74	3.7	19.0	28.6#

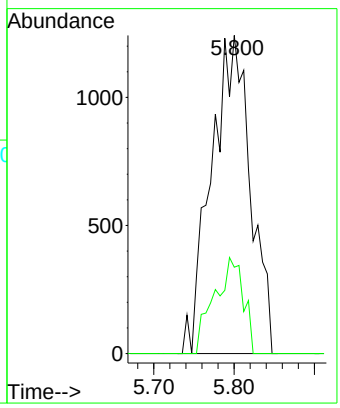




#19
Methyl tert-butyl Ether
Concen: 0.875 ug/l
RT: 5.800 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 73 Resp: 4219

Ion	Ratio	Lower	Upper
73	100		
57	27.1	17.0	25.6#



Instrument :
MSVOA_N
ClientSampleId :
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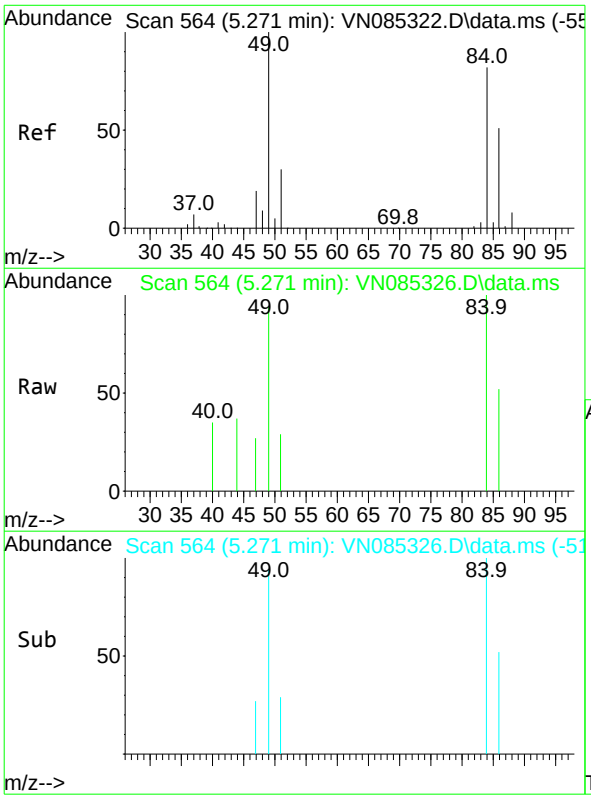
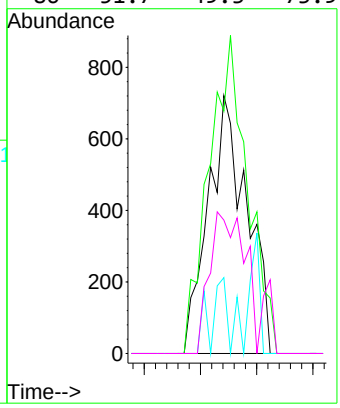
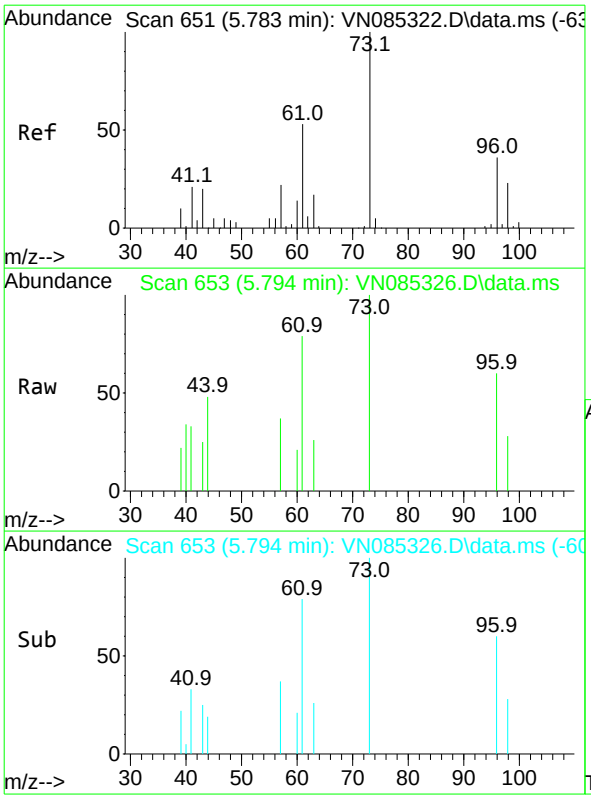


#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 84 Resp: 1722

Ion	Ratio	Lower	Upper
84	100		
49	94.0	97.6	146.4#
51	29.4	29.1	43.7
86	51.7	49.3	73.9

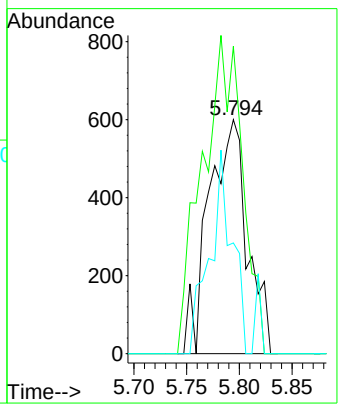




#21
trans-1,2-Dichloroethene
Concen: 0.988 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 96 Resp: 1530

Ion	Ratio	Lower	Upper
96	100		
61	131.3	118.0	177.0
98	47.3	50.6	75.8#



Instrument :
MSVOA_N
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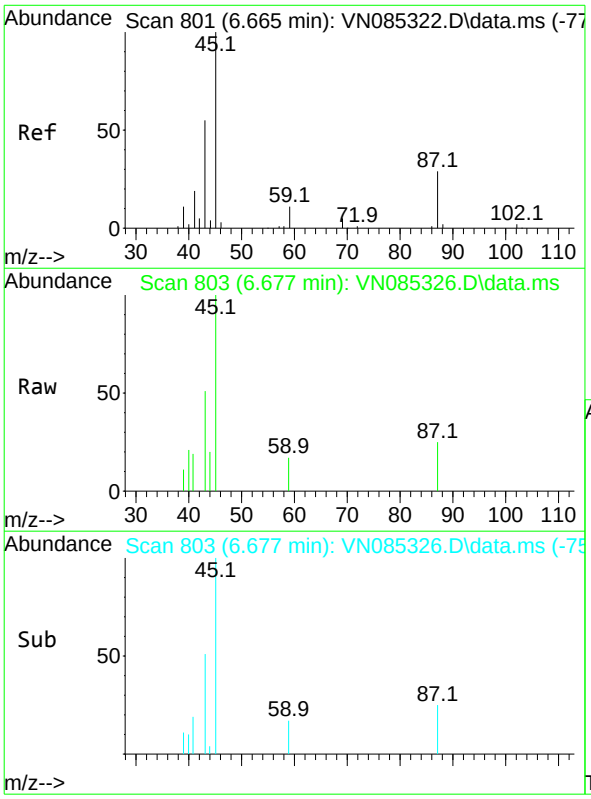
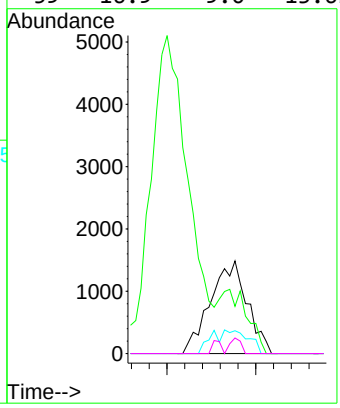
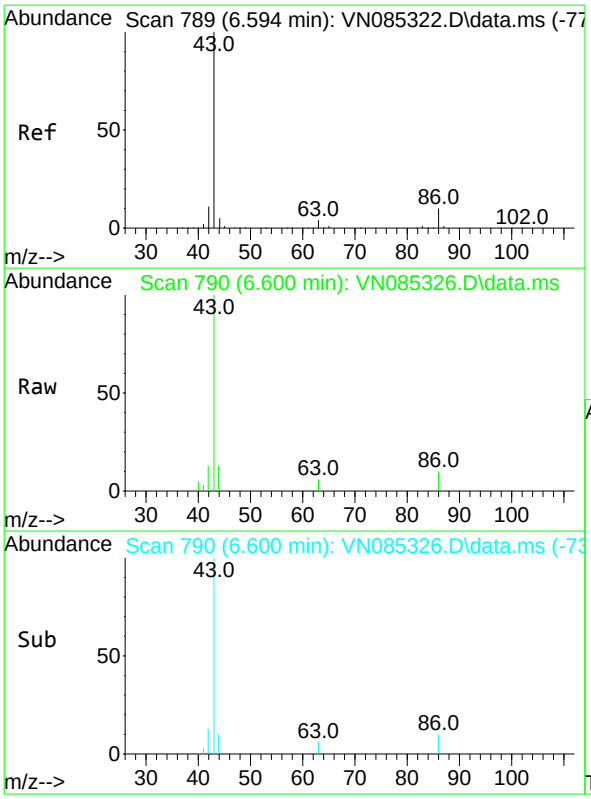


#22
Diisopropyl ether
Concen: 0.836 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 45 Resp: 4276

Ion	Ratio	Lower	Upper
45	100		
43	51.0	44.1	66.1
87	24.7	23.2	34.8
59	16.9	9.0	13.6#

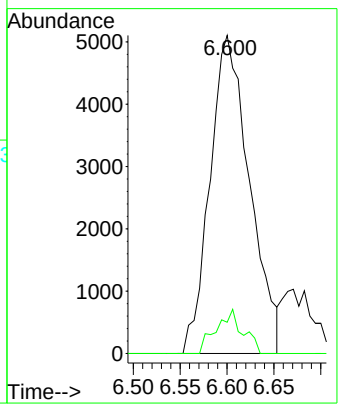




#23
Vinyl Acetate
Concen: 4.083 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 15012

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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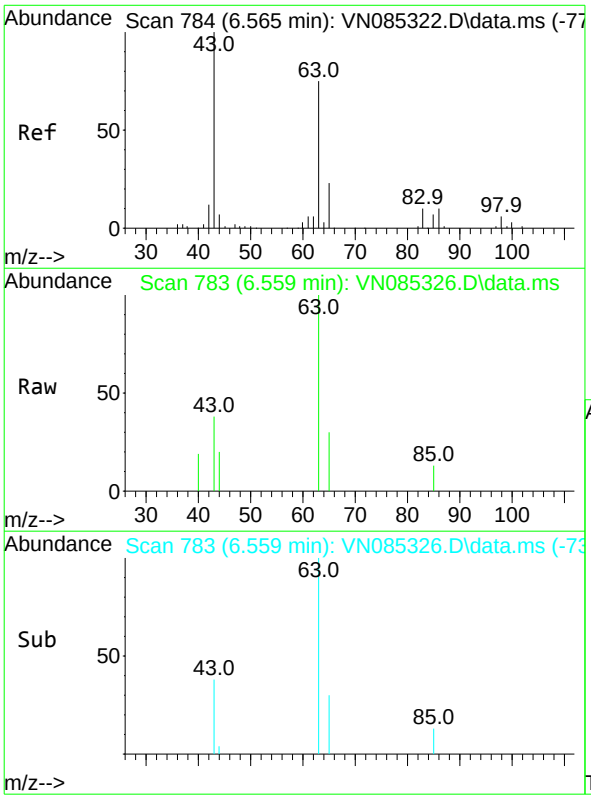
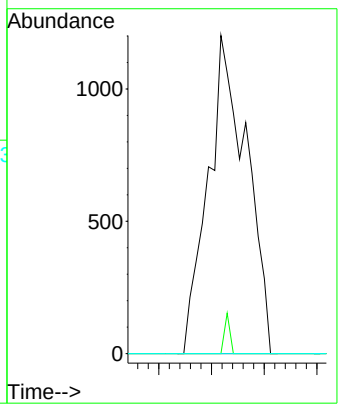
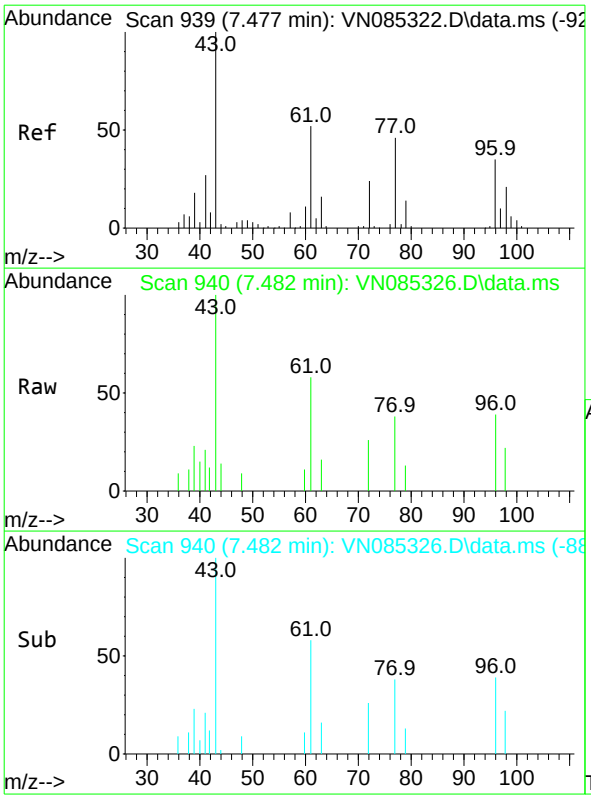


#24
1,1-Dichloroethane
Concen: 0.990 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 63 Resp: 3050

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.7	11.1#
100	0.0	2.3	6.8#

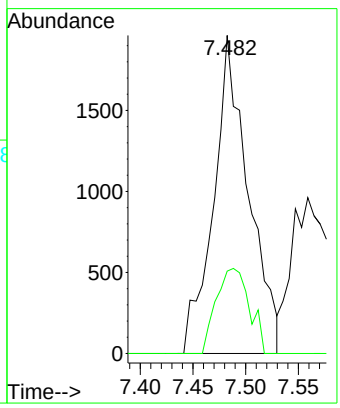




#25
2-Butanone
Concen: 4.665 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 4530

Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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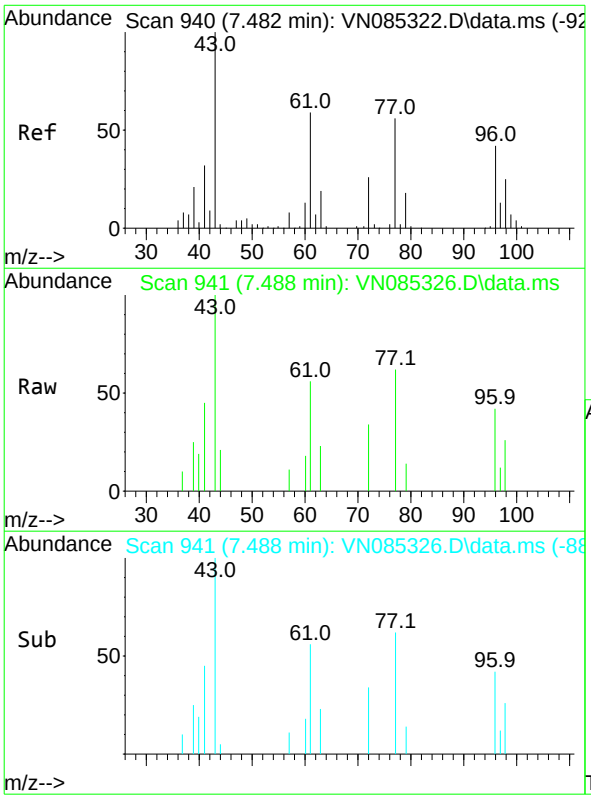
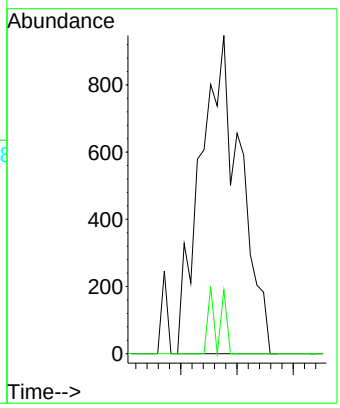
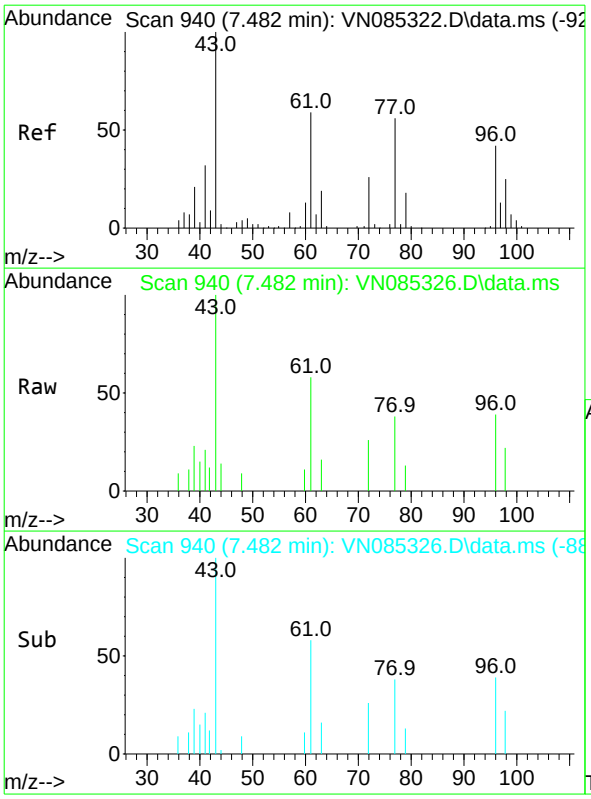


#26
2,2-Dichloropropane
Concen: 0.868 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 77 Resp: 2343

Ion	Ratio	Lower	Upper
77	100		
97	5.9	10.6	31.8#

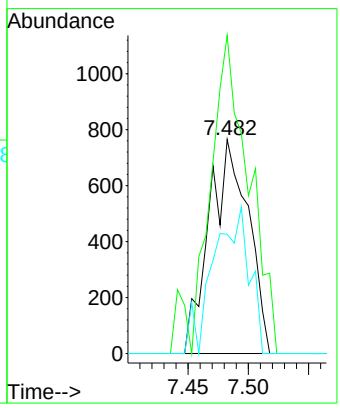




#27
cis-1,2-Dichloroethene
Concen: 0.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 96 Resp: 1732

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	296.4
98	62.8	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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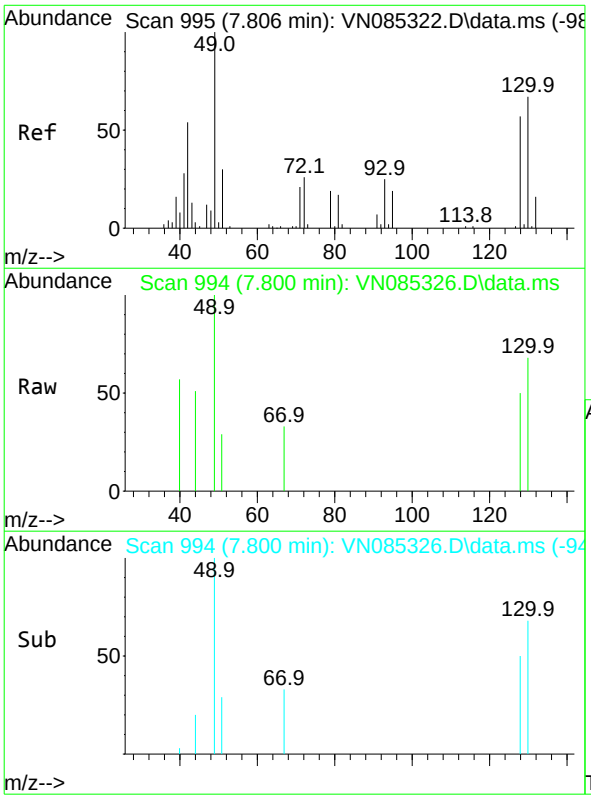
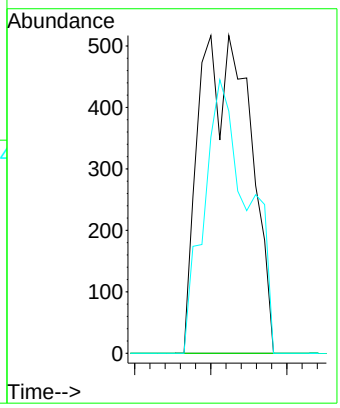
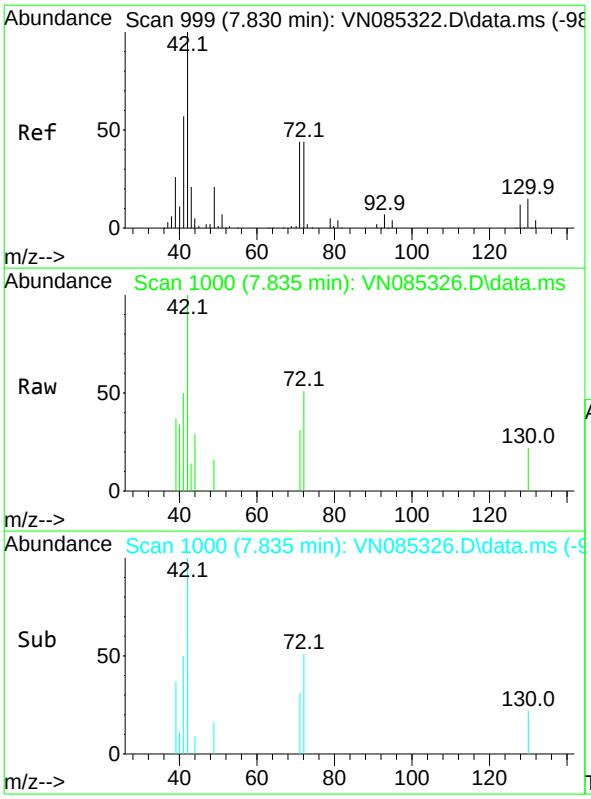


#28
Bromochloromethane
Concen: 0.853 ug/l m
RT: 7.800 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 49 Resp: 1221

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	73.4	0.0	0.0#

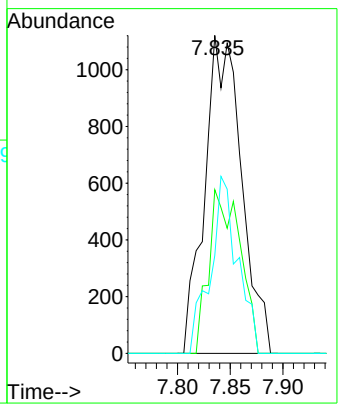




#29
Tetrahydrofuran
Concen: 4.360 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 42 Resp: 2727

Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.1	52.7
71	41.0	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
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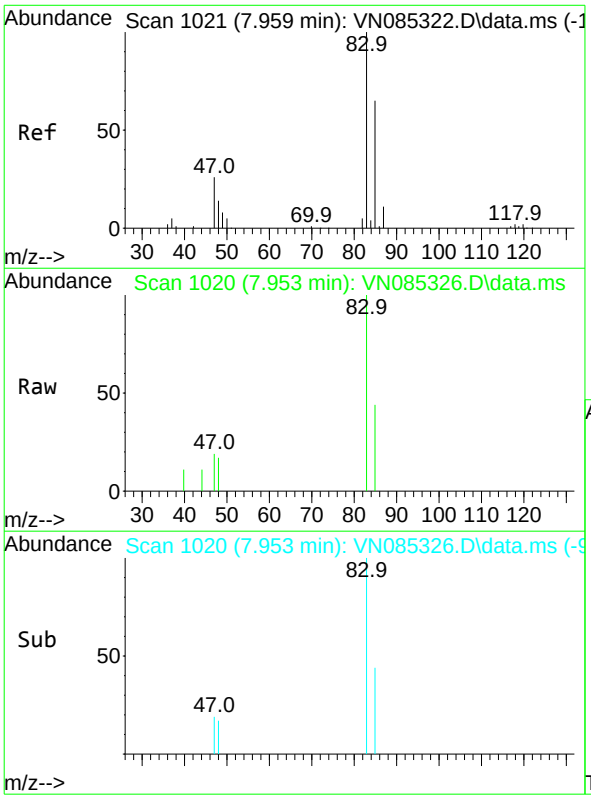
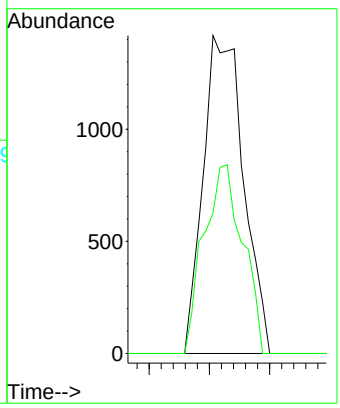
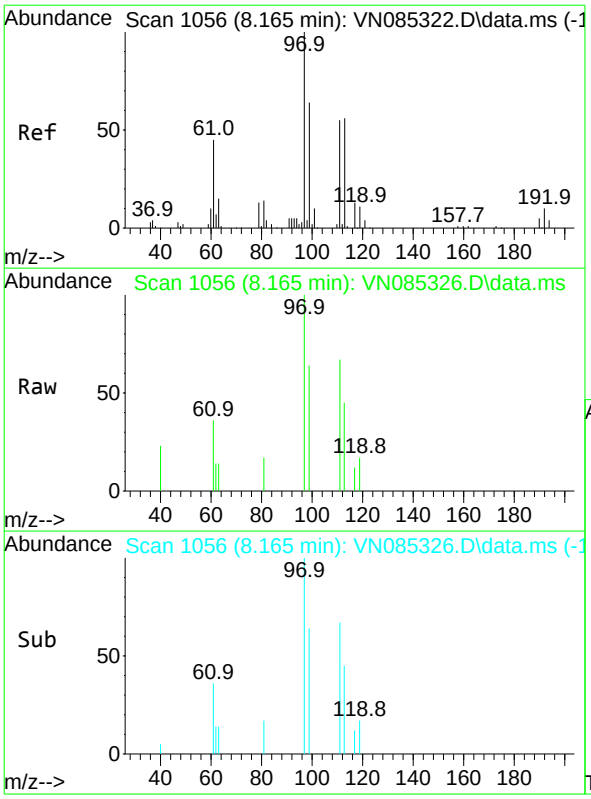


#30
Chloroform
Concen: 1.044 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 83 Resp: 3291

Ion	Ratio	Lower	Upper
83	100		
85	44.1	52.0	78.0#

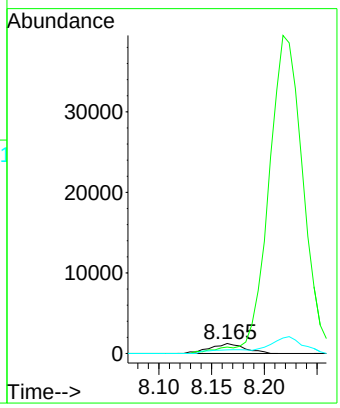




#32
1,1,1-Trichloroethane
Concen: 1.001 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 97 Resp: 2817

Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.3	79.9#
61	45.7	39.6	59.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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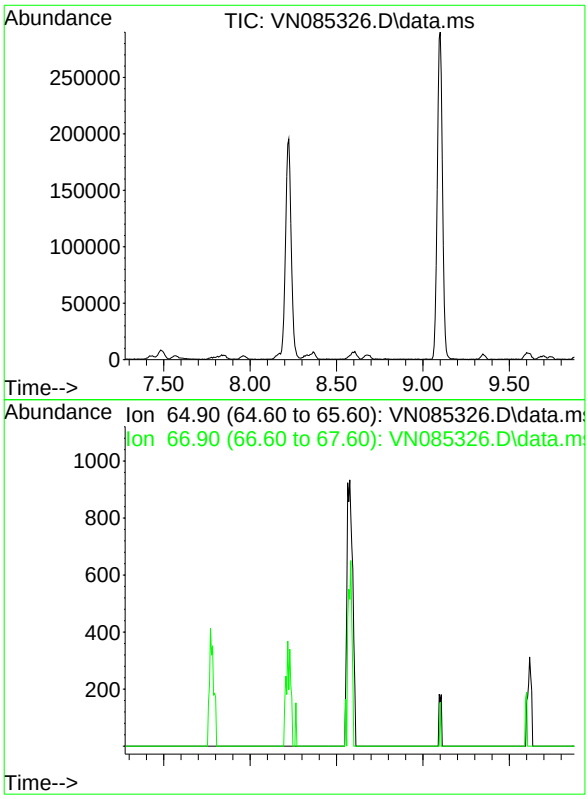
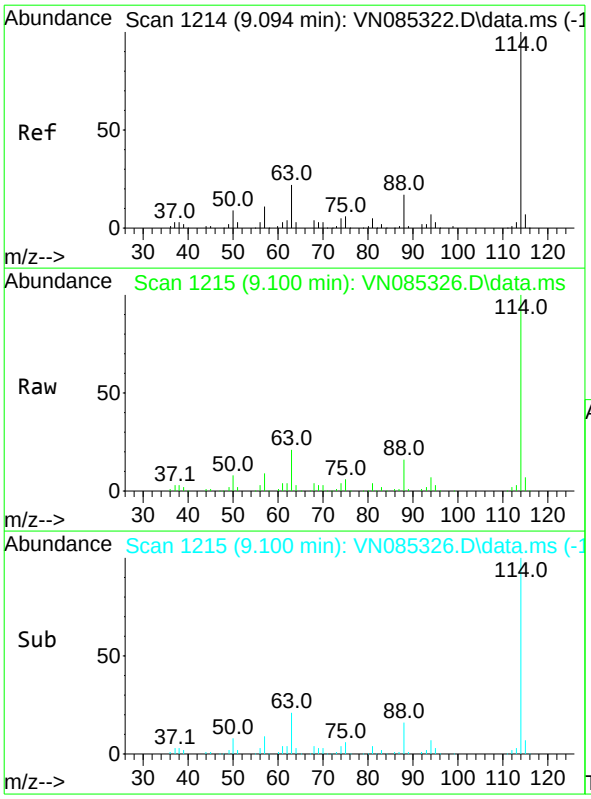


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.58 min

Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 65

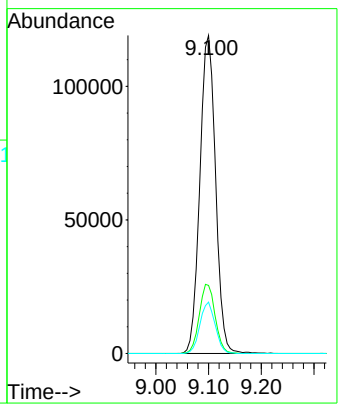
Sig	Exp Ratio
65	100
67	52.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:114 Resp: 246776

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.4
88	16.1	0.0	33.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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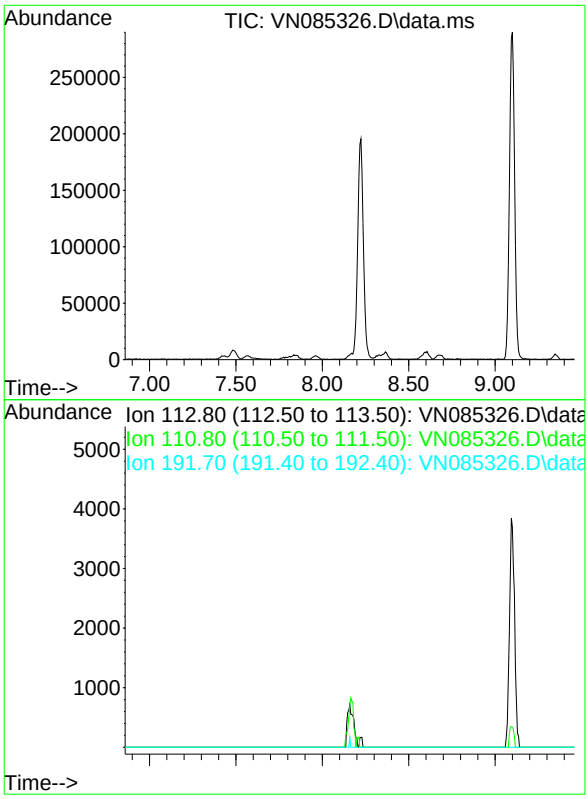
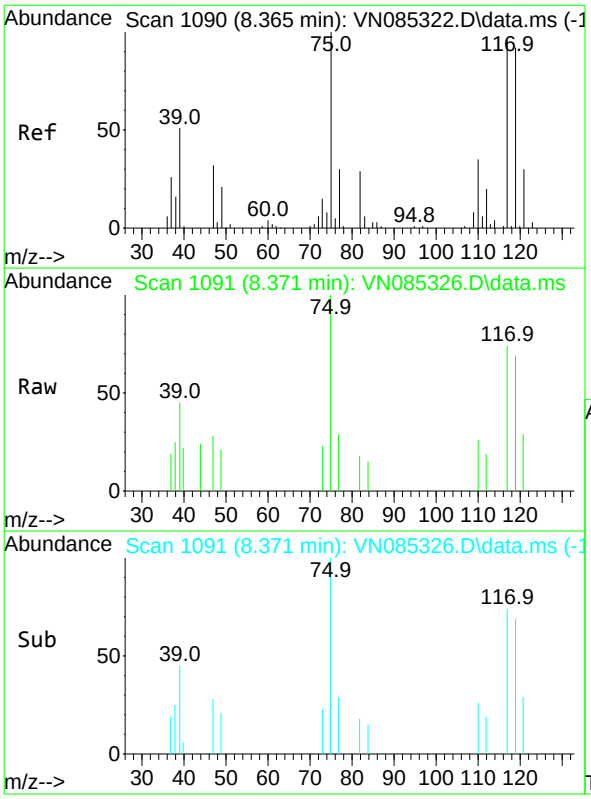


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 8.16 min

Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 113

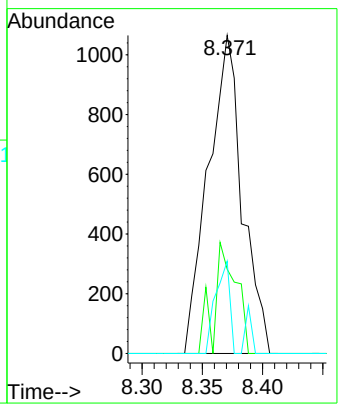
Sig	Exp Ratio
113	100
111	100.6
192	16.1



#36
1,1-Dichloropropene
Concen: 0.929 ug/l
RT: 8.371 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 2094

Ion	Ratio	Lower	Upper
75	100		
110	22.7	16.6	49.8
77	12.1	24.3	36.5#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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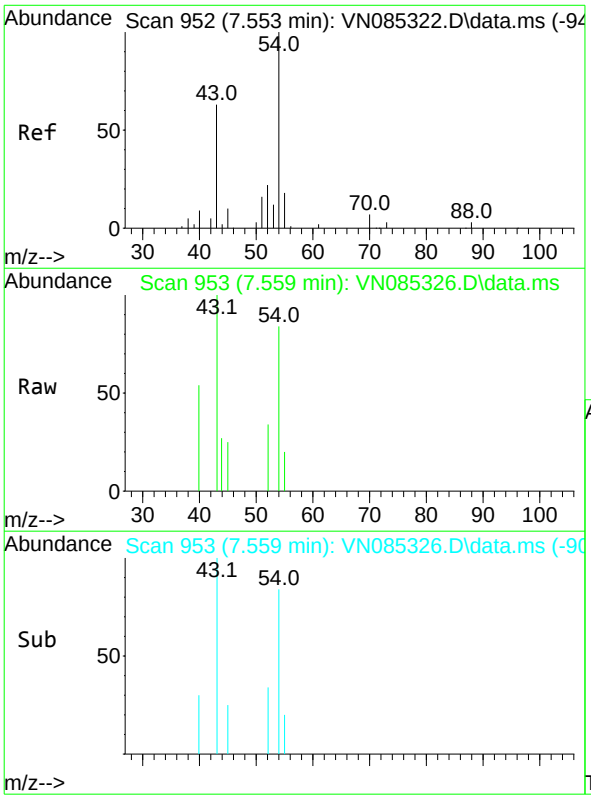
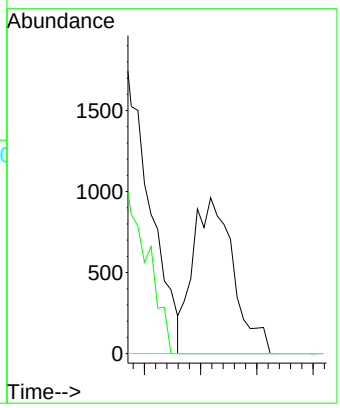
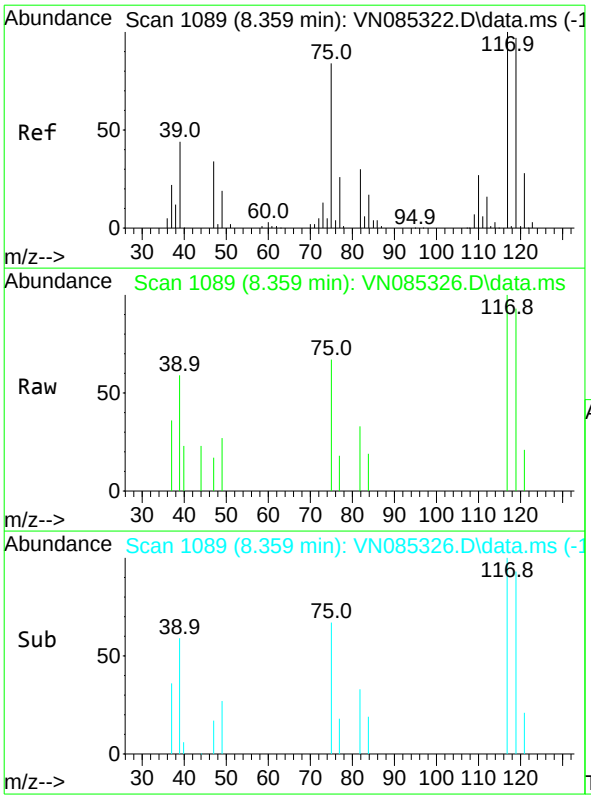


#37
Ethyl Acetate
Concen: 1.071 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 2400

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	8.2	12.2#

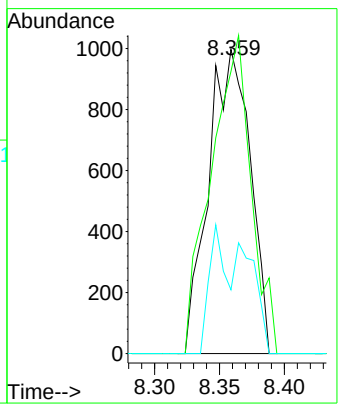




#38
Carbon Tetrachloride
Concen: 0.908 ug/l
RT: 8.359 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:117 Resp: 2232

Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.8	116.6
121	21.0	22.5	33.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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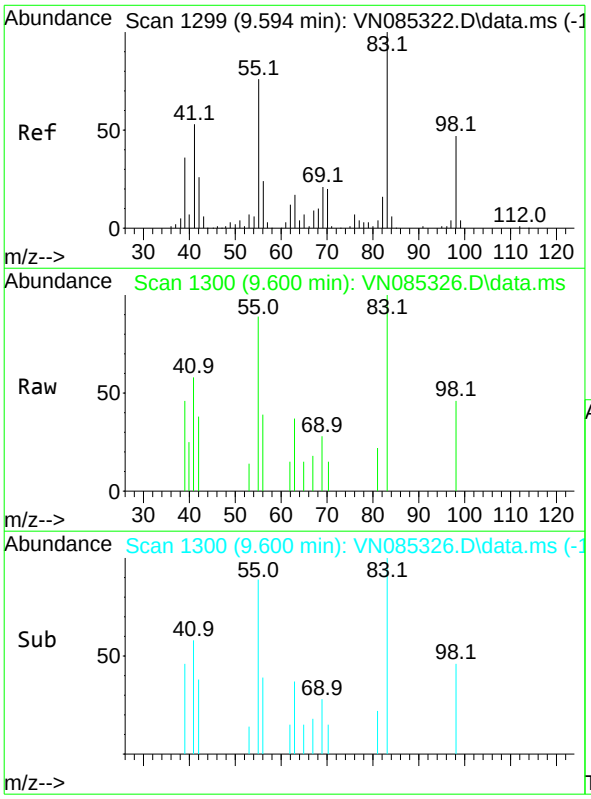
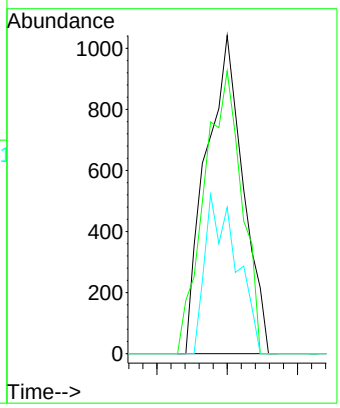
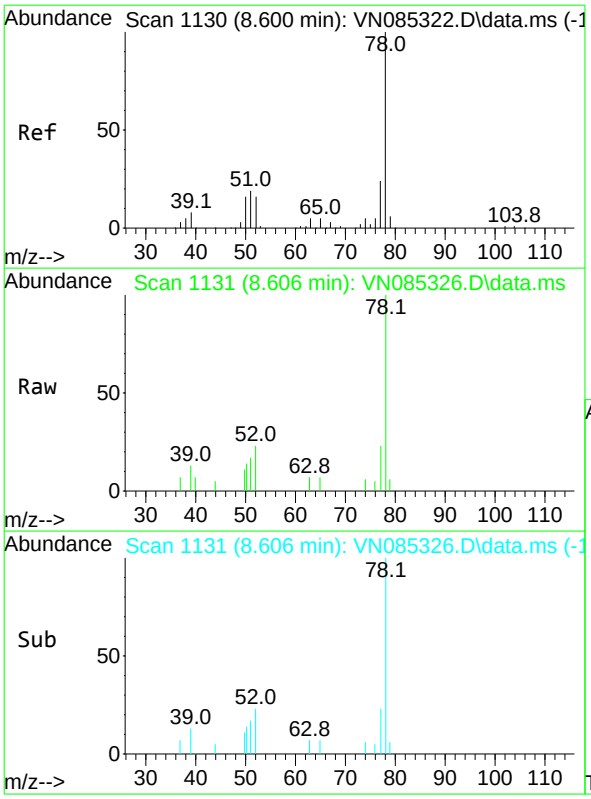


#39
Methylcyclohexane
Concen: 0.817 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 83 Resp: 1910

Ion	Ratio	Lower	Upper
83	100		
55	88.9	60.7	91.1
98	46.0	37.7	56.5

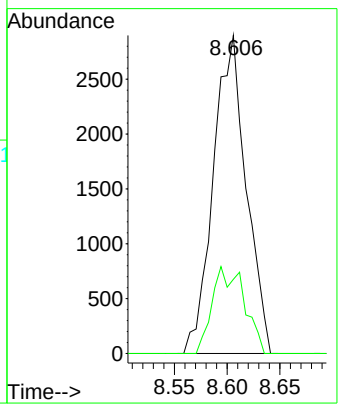




#40
Benzene
Concen: 0.922 ug/l
RT: 8.606 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 78 Resp: 6282

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4



Instrument :
MSVOA_N
ClientSampleId :
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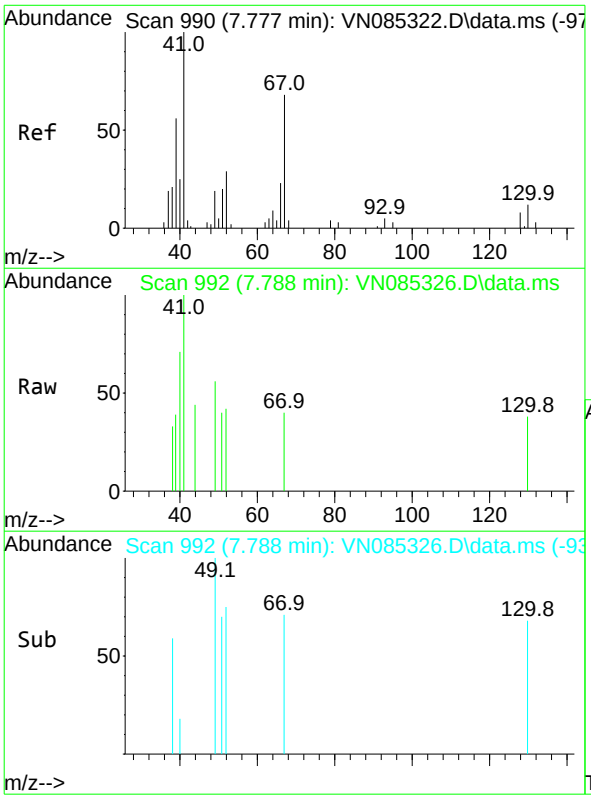
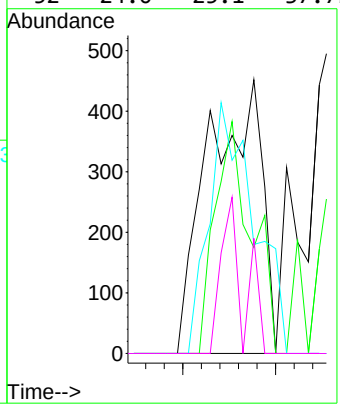
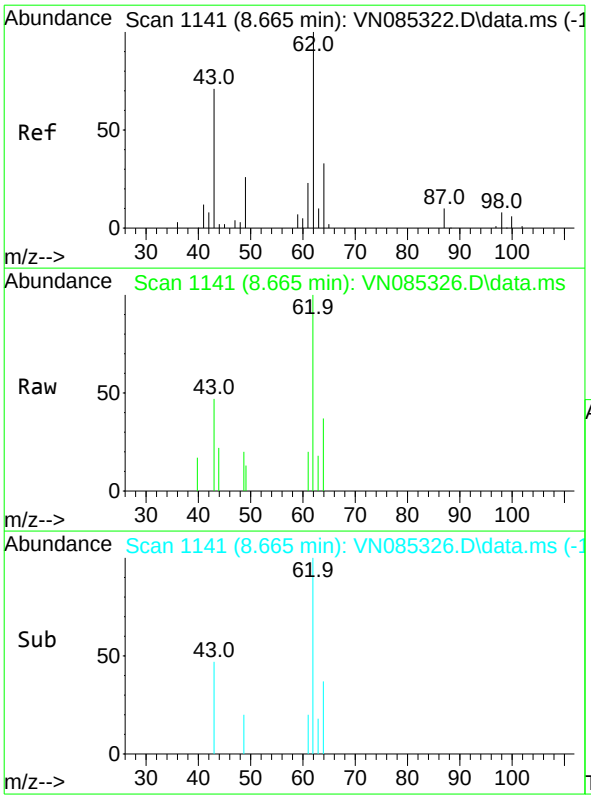


#41
Methacrylonitrile
Concen: 0.787 ug/l m
RT: 7.788 min Scan# 992
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 41 Resp: 903

Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.8	68.8
67	77.7	57.1	85.7
52	24.0	25.1	37.7#

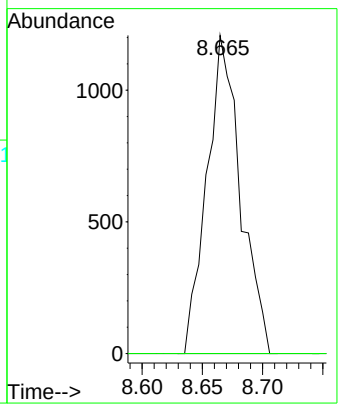




#42
1,2-Dichloroethane
Concen: 0.960 ug/l
RT: 8.665 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 62 Resp: 2346

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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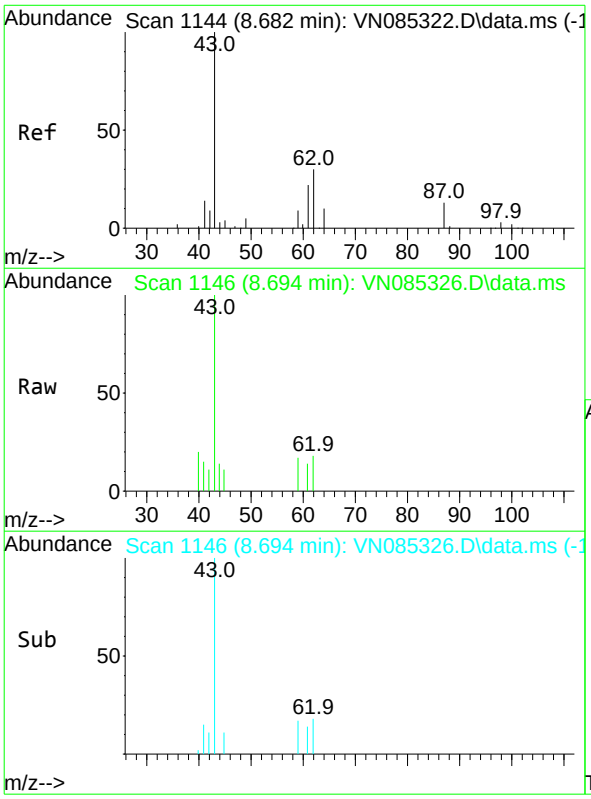
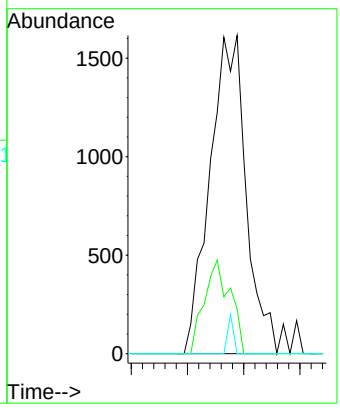
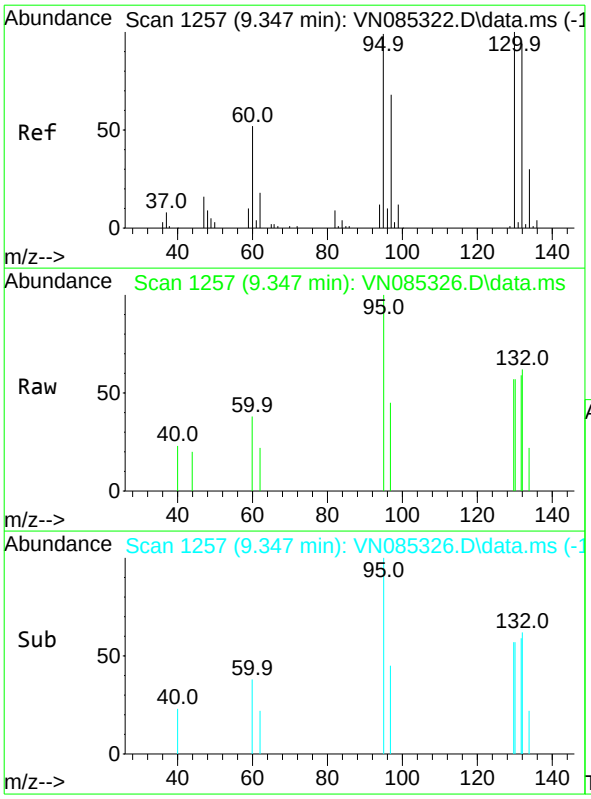


#43
Isopropyl Acetate
Concen: 0.980 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 3615

Ion	Ratio	Lower	Upper
43	100		
61	21.1	20.8	31.2
87	2.0	10.2	15.4#

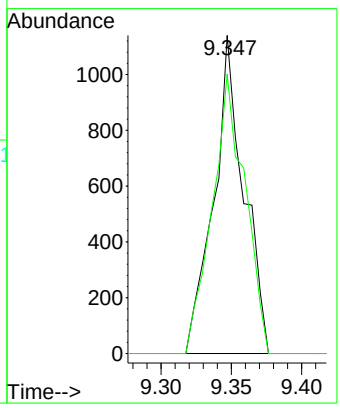




#44
Trichloroethene
Concen: 1.051 ug/l
RT: 9.347 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:130 Resp: 1696

Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	197.8



Instrument :
MSVOA_N
ClientSampleId :
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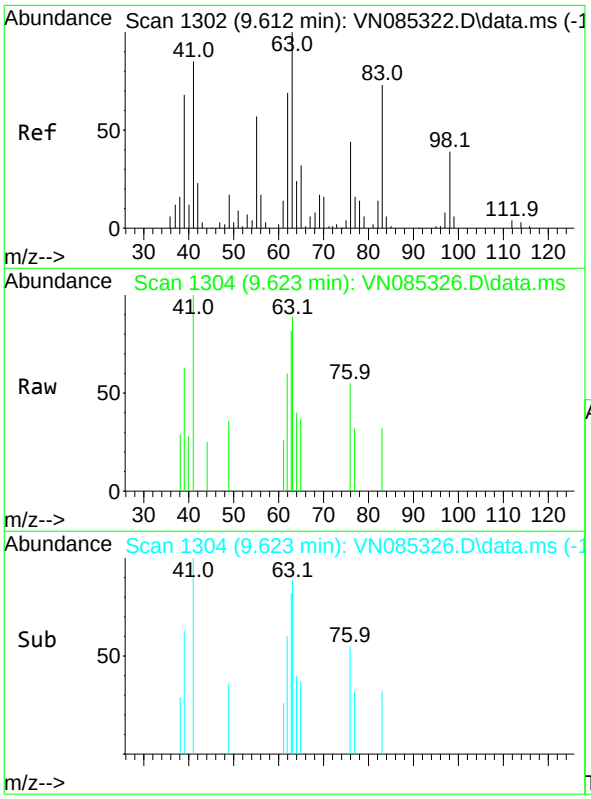
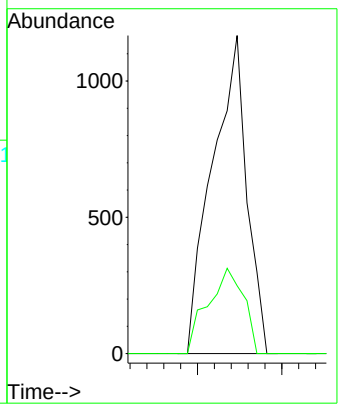
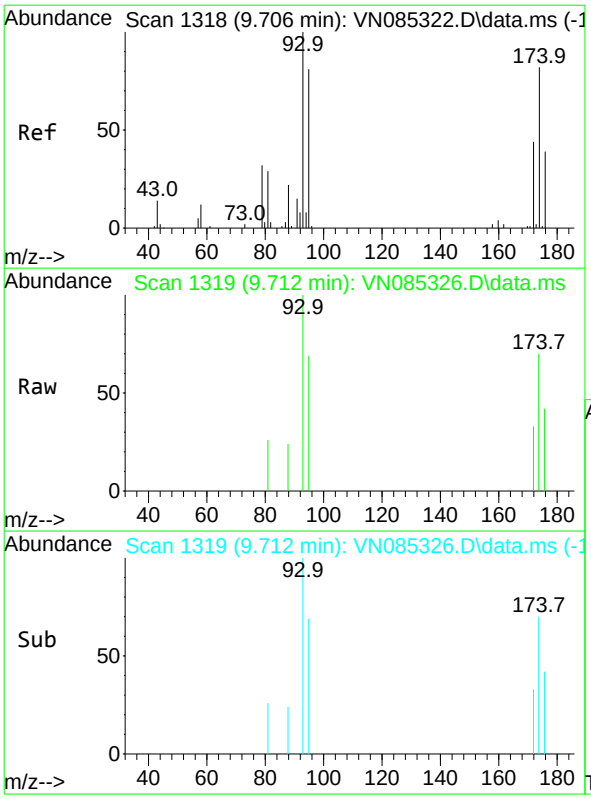


#45
1,2-Dichloropropane
Concen: 0.958 ug/l
RT: 9.623 min Scan# 1304
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 63 Resp: 1658

Ion	Ratio	Lower	Upper
63	100		
65	21.3	25.5	38.3#

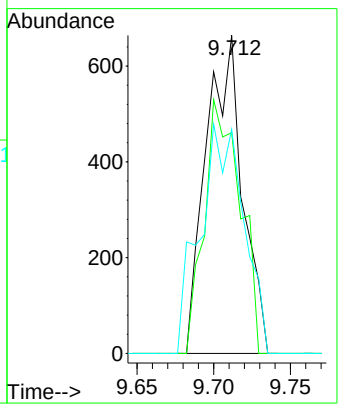




#46
Dibromomethane
Concen: 0.908 ug/l
RT: 9.712 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 93 Resp: 1092

Ion	Ratio	Lower	Upper
93	100		
95	78.9	65.3	97.9
174	87.5	66.4	99.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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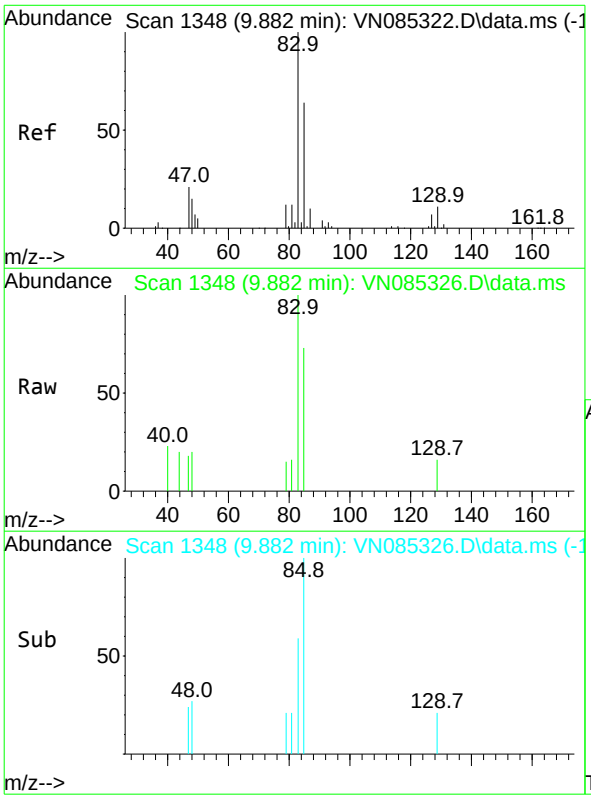
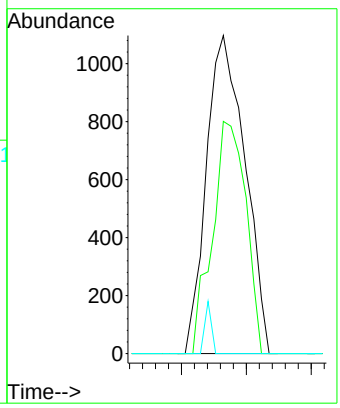
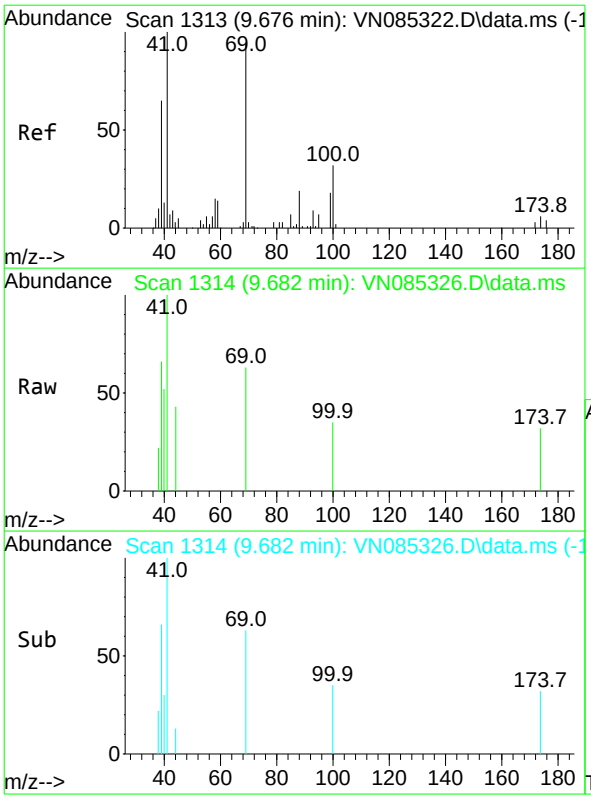


#47
Bromodichloromethane
Concen: 0.906 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 83 Resp: 2265

Ion	Ratio	Lower	Upper
83	100		
85	73.0	51.0	76.4
127	0.0	5.8	8.6#

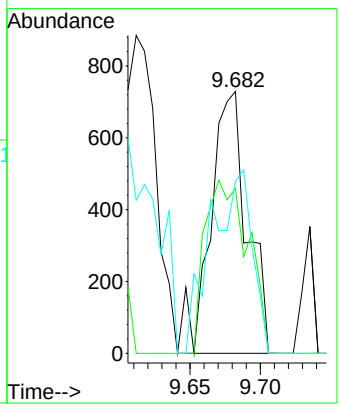




#48
Methyl methacrylate
Concen: 0.824 ug/l
RT: 9.682 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 41 Resp: 1319

Ion	Ratio	Lower	Upper
41	100		
69	77.6	67.7	101.5
39	78.5	51.2	76.8#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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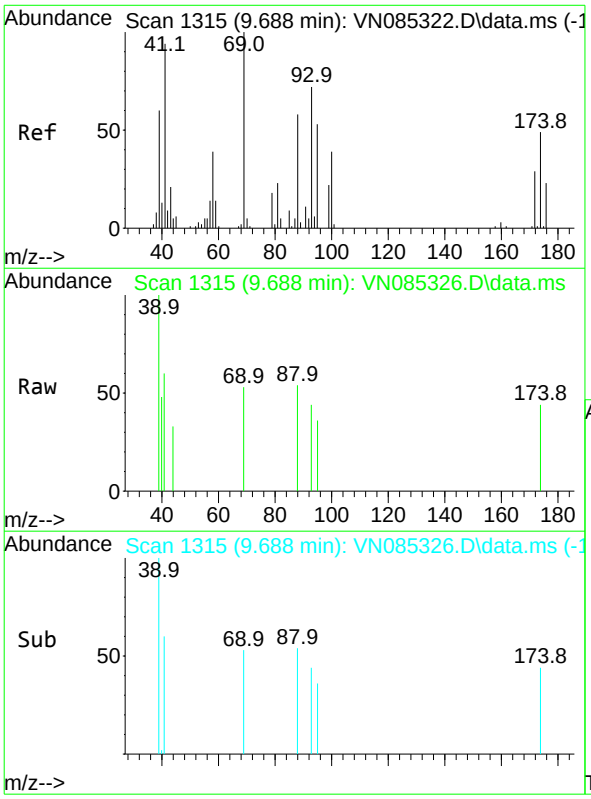
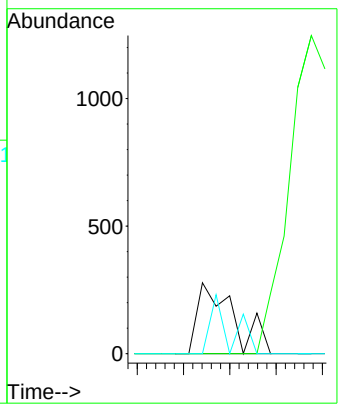
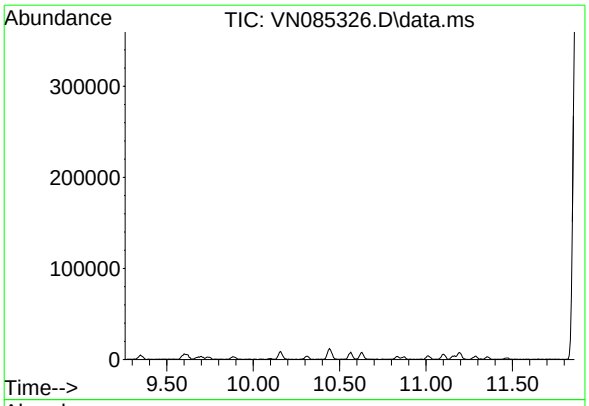


#49
1,4-Dioxane
Concen: 12.421 ug/l m
RT: 9.688 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 88 Resp: 300

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	45.3	56.7	85.1#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	64.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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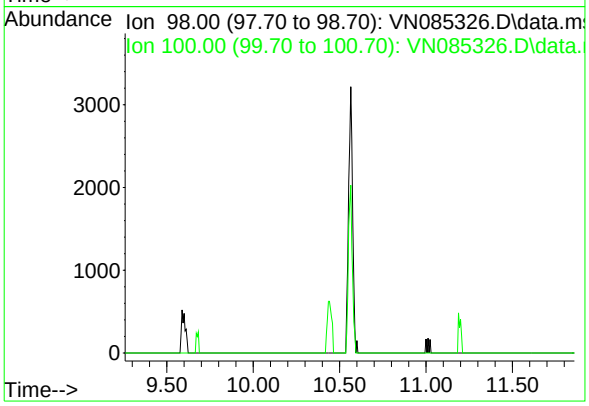
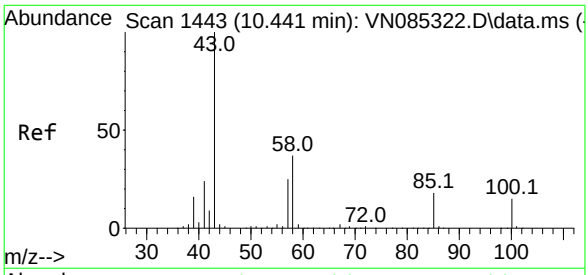
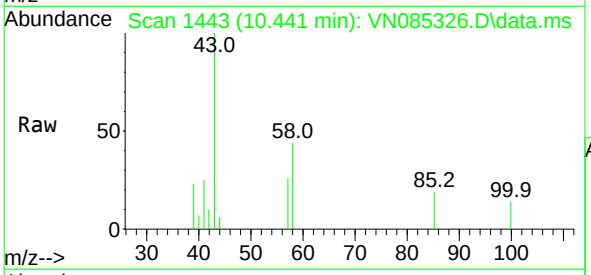


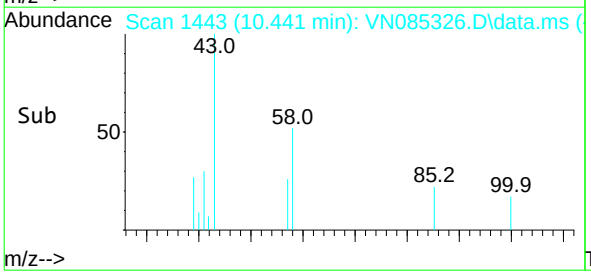


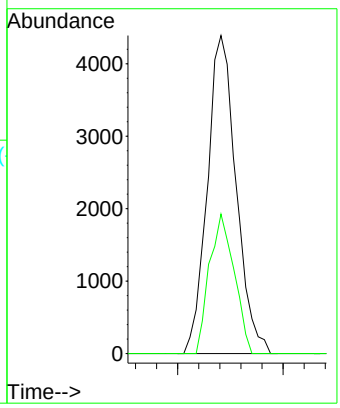
#51
4-Methyl-2-Pentanone
Concen: 4.021 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

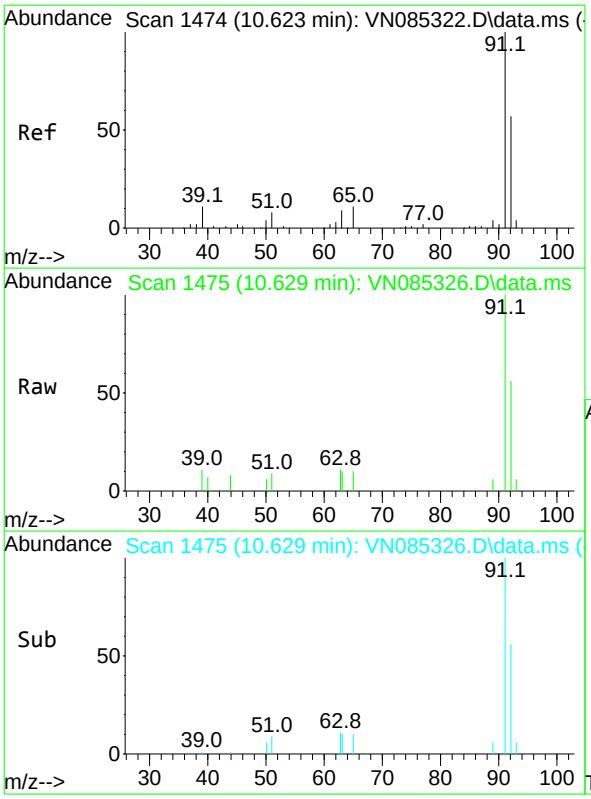
Tgt Ion: 43 Resp: 8337

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5





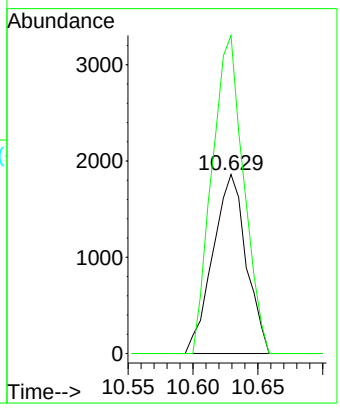




#52
Toluene
Concen: 0.820 ug/l
RT: 10.629 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 92 Resp: 3329

Ion	Ratio	Lower	Upper
92	100		
91	168.0	140.2	210.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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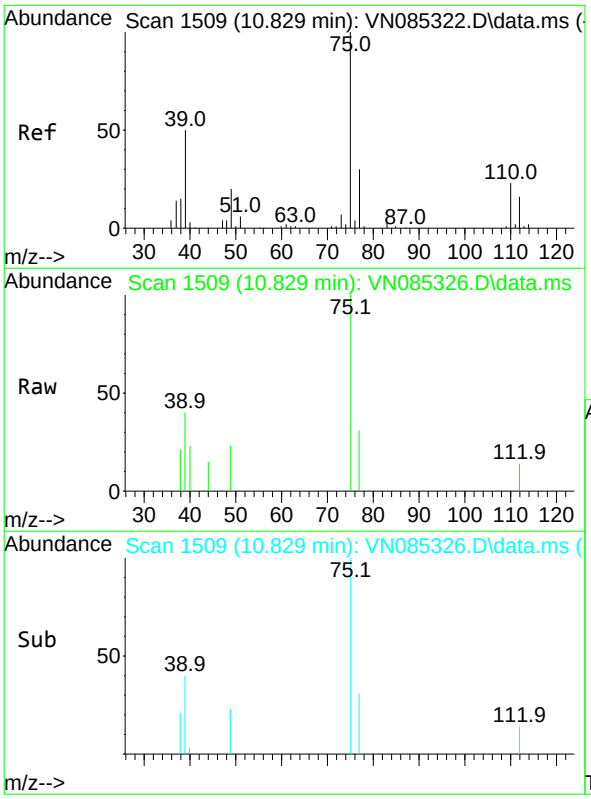
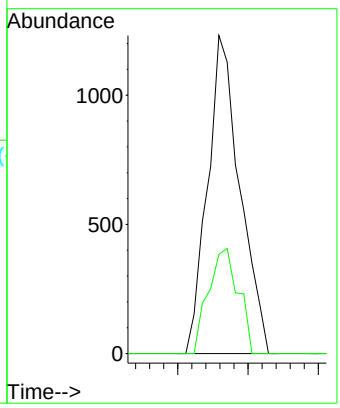
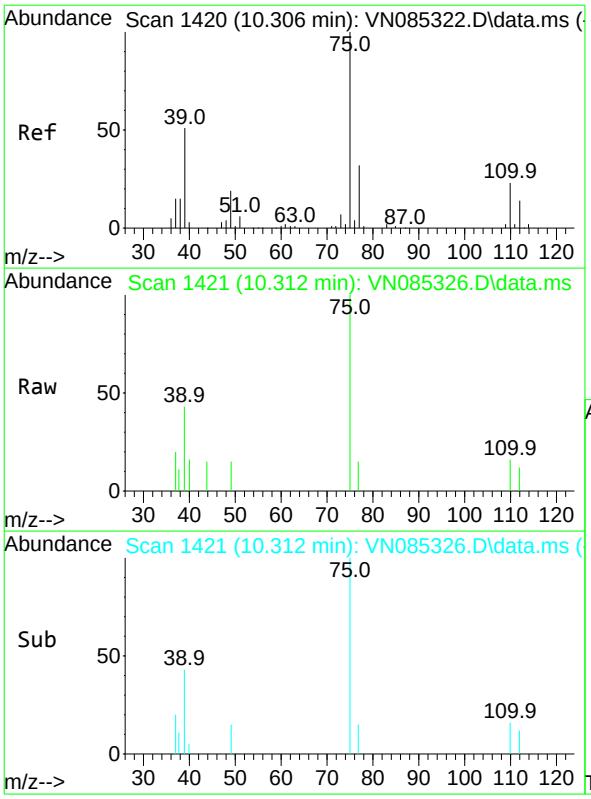


#53
t-1,3-Dichloropropene
Concen: 0.799 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 1964

Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.8	35.6

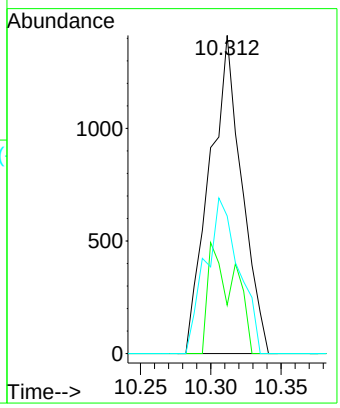




#54
cis-1,3-Dichloropropene
Concen: 0.848 ug/l
RT: 10.312 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
77	15.2	25.5	38.3#
39	43.2	40.5	60.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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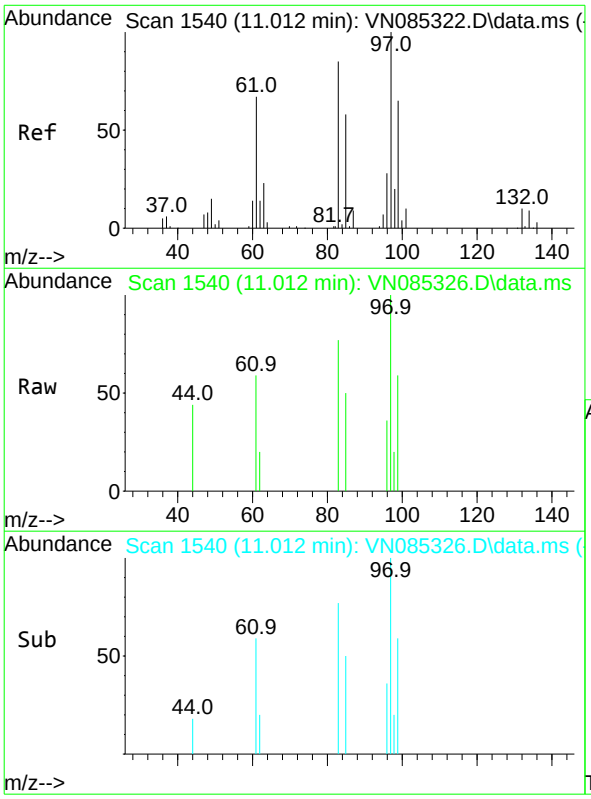
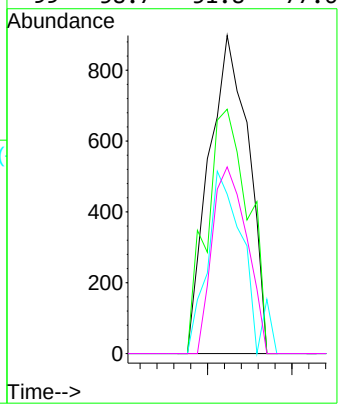
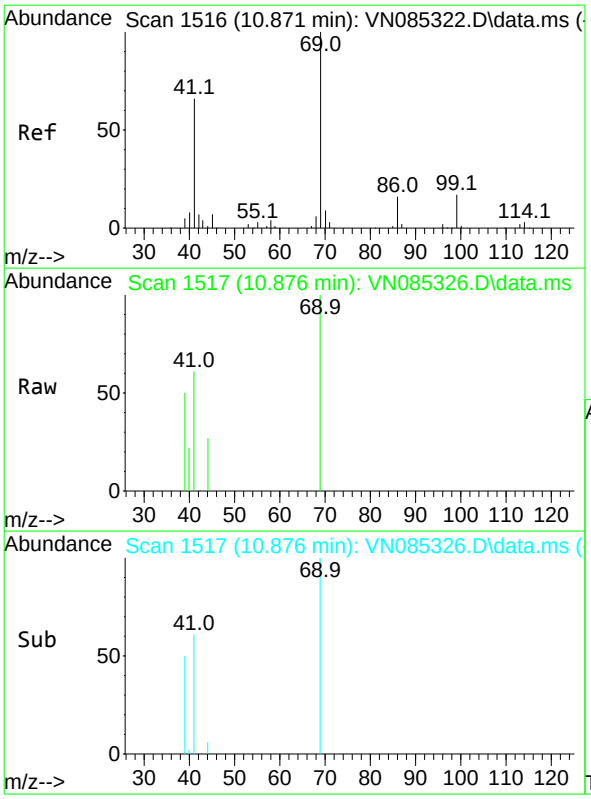


#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 97 Resp: 1466

Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.7	101.5
85	50.1	46.2	69.4
99	58.7	51.8	77.6

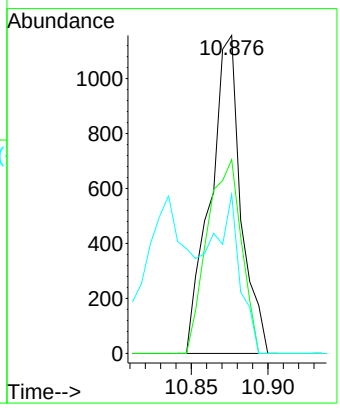




#56
Ethyl methacrylate
Concen: 0.717 ug/l
RT: 10.876 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 69 Resp: 1600

Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.3	81.5
39	39.8	32.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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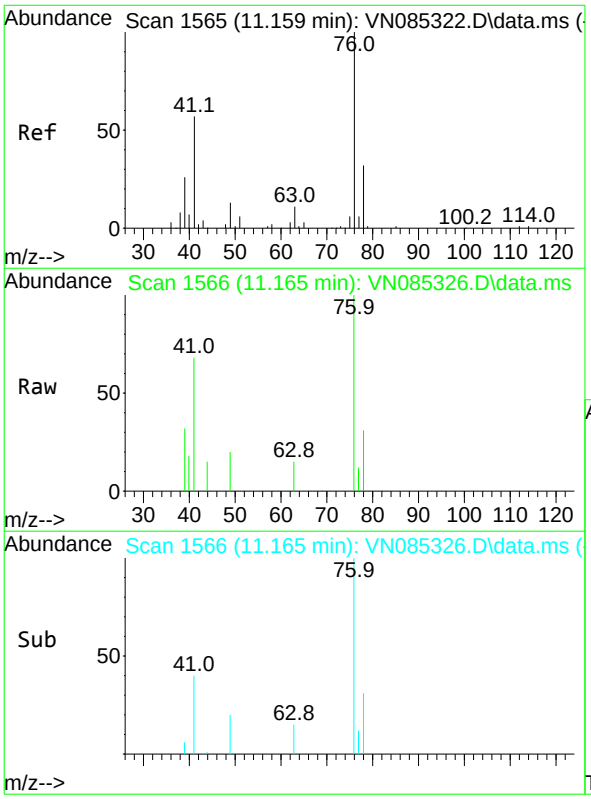
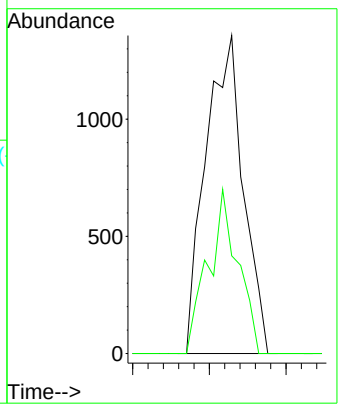
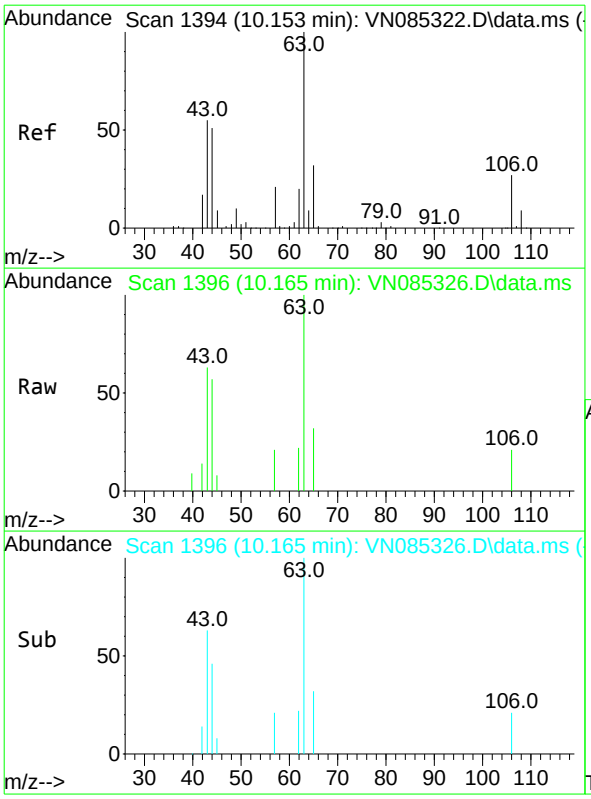


#57
1,3-Dichloropropane
Concen: 0.858 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 76 Resp: 2306

Ion	Ratio	Lower	Upper
76	100		
78	40.8	25.5	38.3#

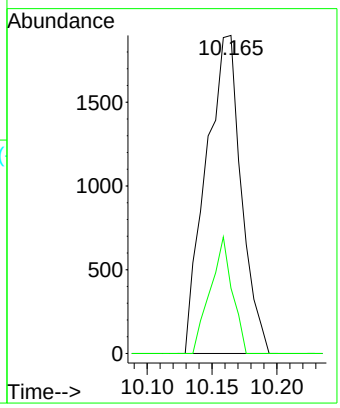




#58
2-Chloroethyl Vinyl ether
Concen: 3.321 ug/l
RT: 10.165 min Scan# 13
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 63 Resp: 3585

Ion	Ratio	Lower	Upper
63	100		
106	23.0	22.1	33.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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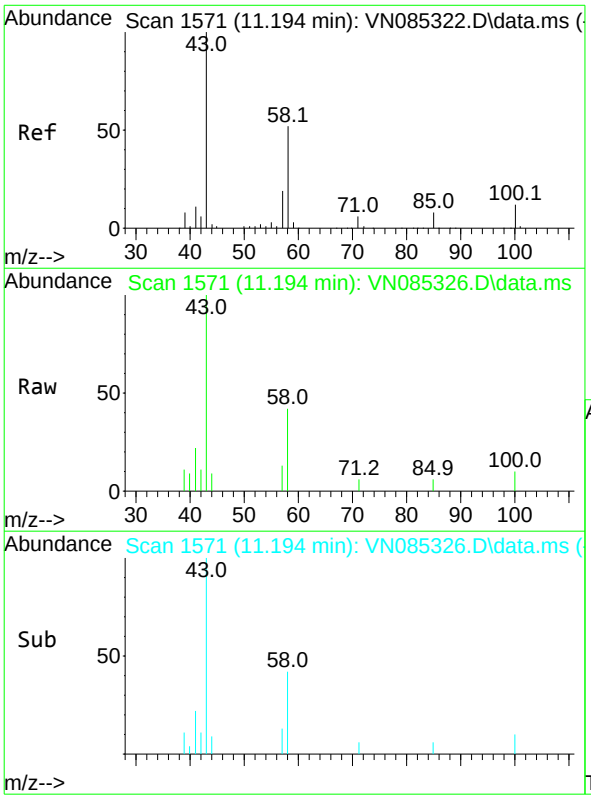
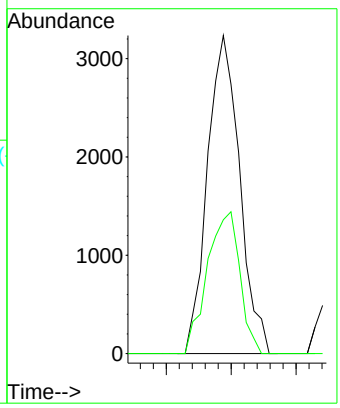
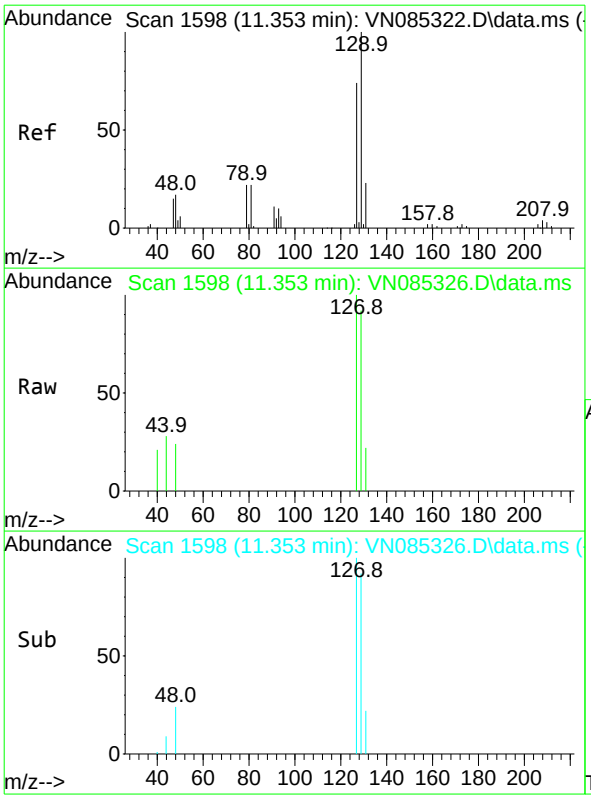


#59
2-Hexanone
Concen: 3.877 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 5577

Ion	Ratio	Lower	Upper
43	100		
58	45.0	26.5	79.5

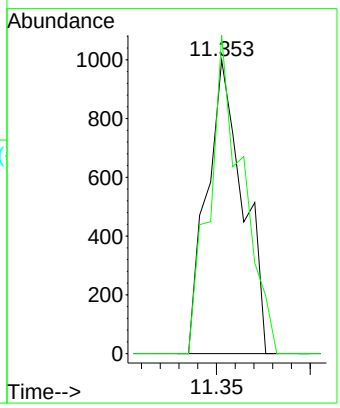




#60
Dibromochloromethane
Concen: 0.770 ug/l
RT: 11.353 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:129 Resp: 1329

Ion	Ratio	Lower	Upper
129	100		
127	100.5	38.3	114.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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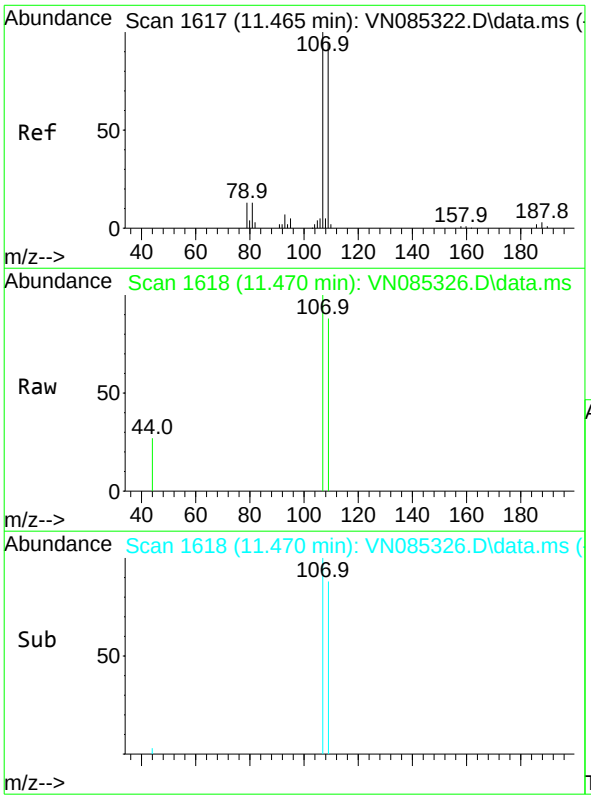
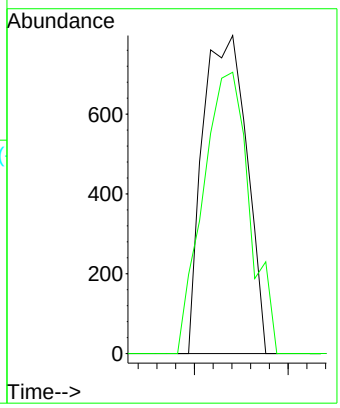
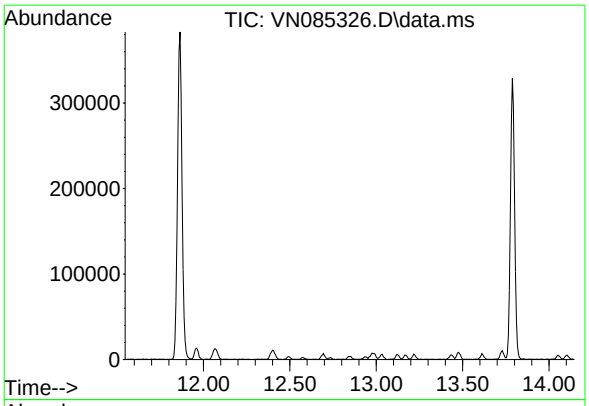


#61
1,2-Dibromoethane
Concen: 0.856 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:107 Resp: 1298

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3





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

Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	71.6
176	67.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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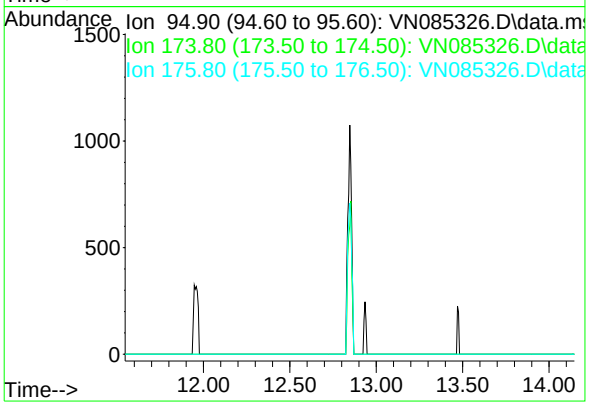
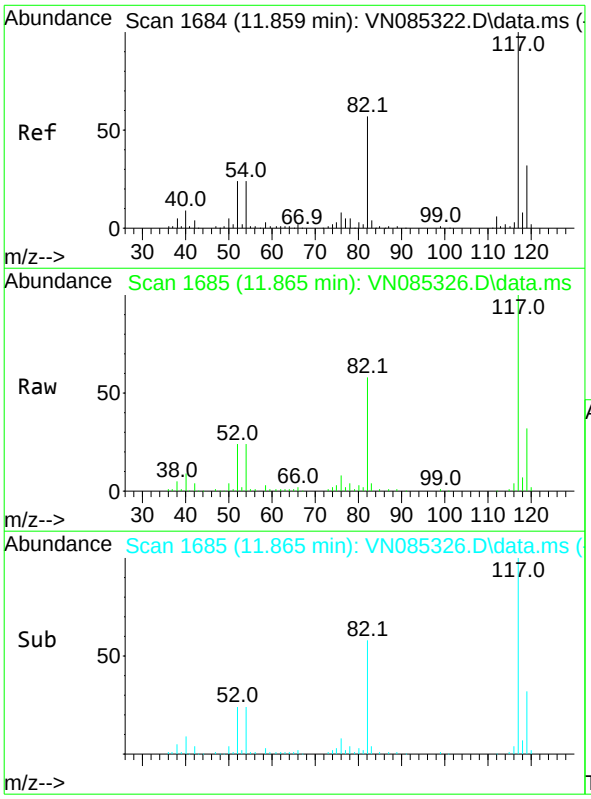
Supervised By :Mahesh Dadoda 12/30/2024

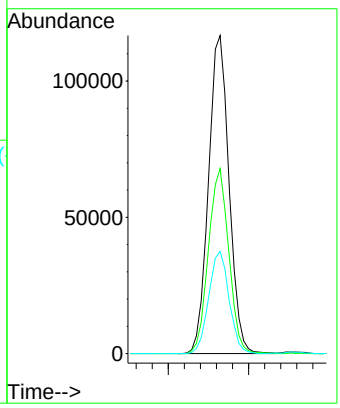


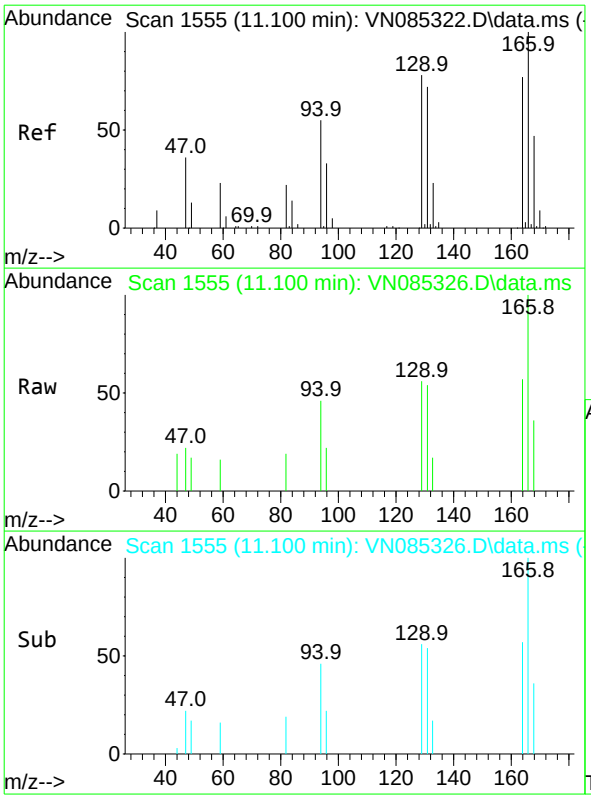


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:117 Resp: 207418

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.7	68.5
119	32.1	25.8	38.8

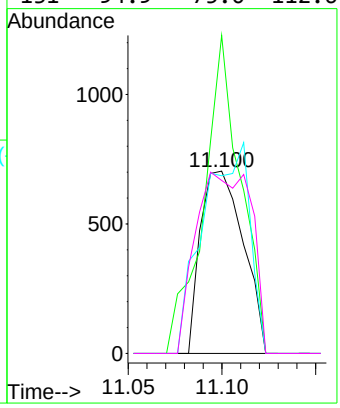




#64
Tetrachloroethene
Concen: 0.851 ug/l
RT: 11.100 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:164 Resp: 1118

Ion	Ratio	Lower	Upper
164	100		
166	174.4	104.0	156.0#
129	97.4	81.3	121.9
131	94.9	75.0	112.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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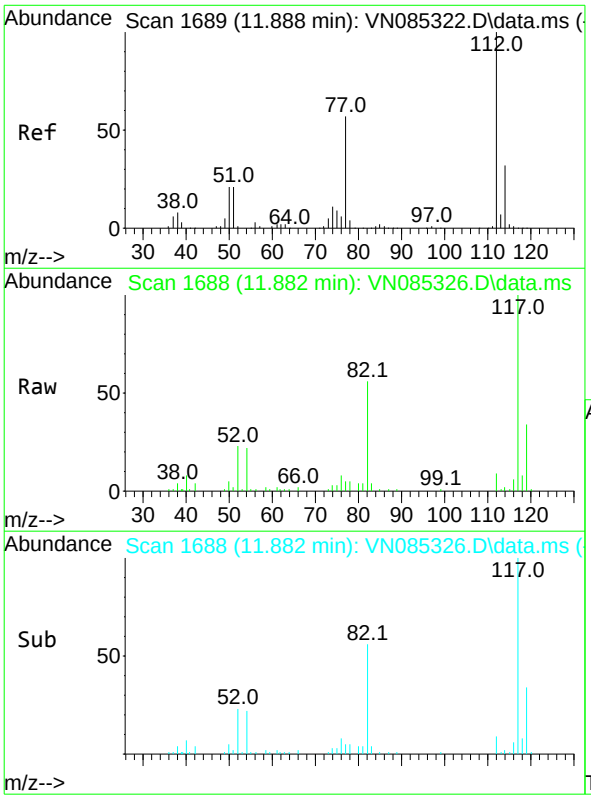
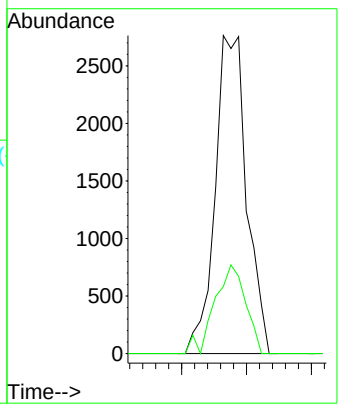
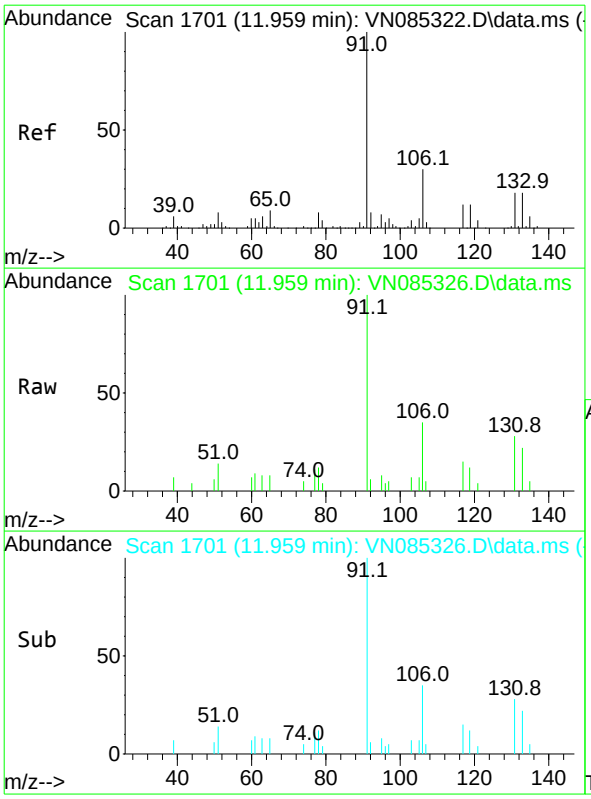


#65
Chlorobenzene
Concen: 1.041 ug/l
RT: 11.882 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:112 Resp: 4664

Ion	Ratio	Lower	Upper
112	100		
114	21.1	25.2	37.8#

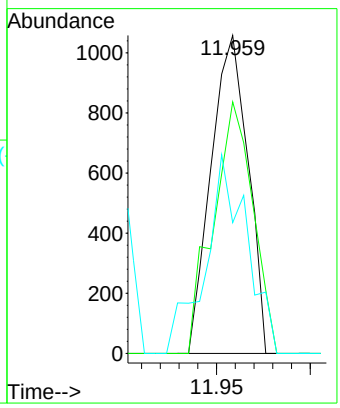




#66
1,1,1,2-Tetrachloroethane
Concen: 0.962 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:131 Resp: 1447

Ion	Ratio	Lower	Upper
131	100		
133	85.4	48.3	144.9
119	0.0	33.4	100.1#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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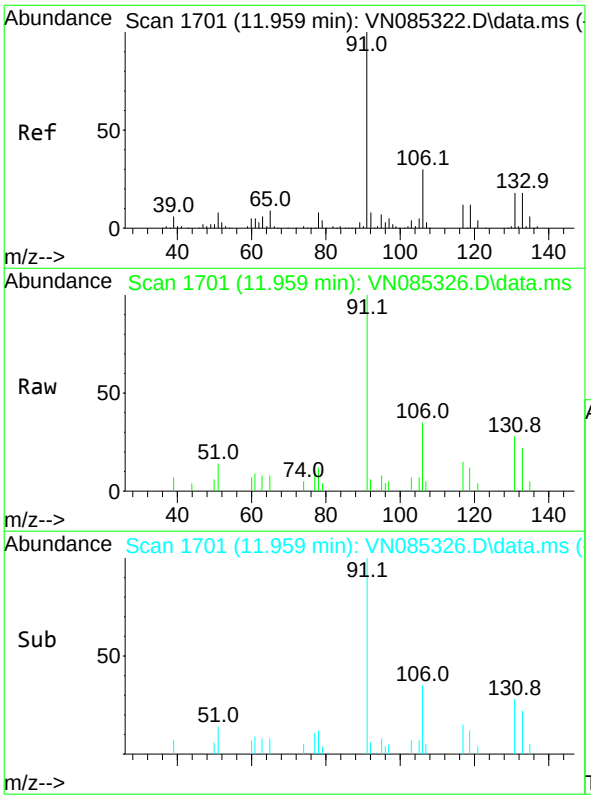
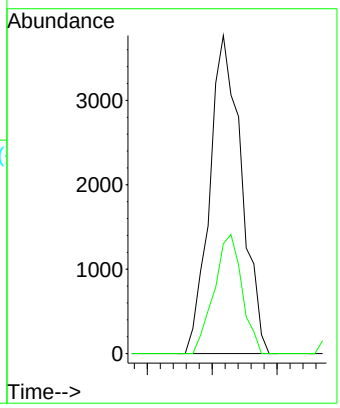
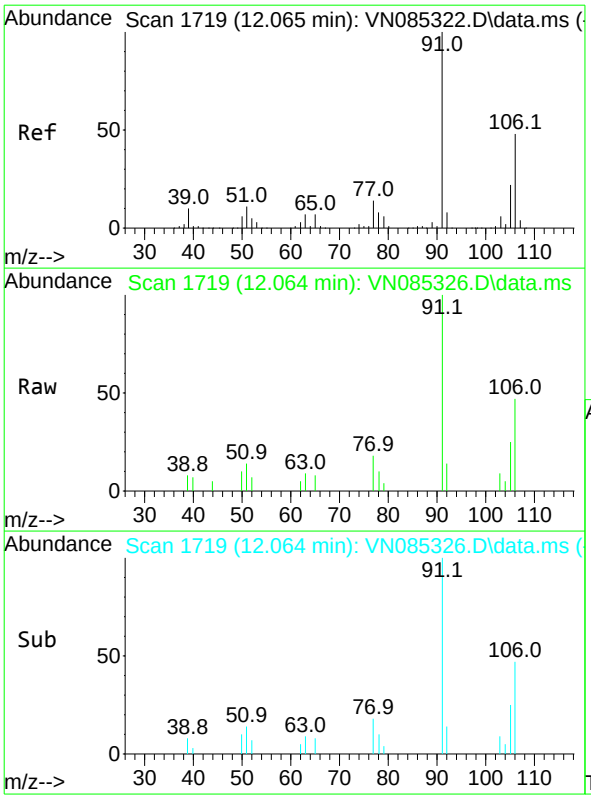


#67
Ethyl Benzene
Concen: 0.860 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 6412

Ion	Ratio	Lower	Upper
91	100		
106	34.5	24.0	36.0

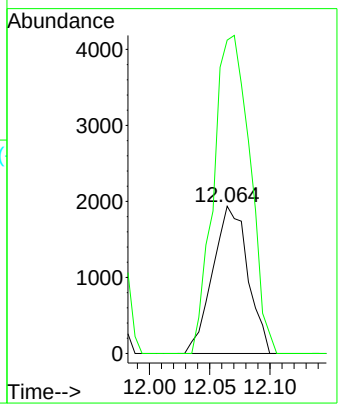




#68
m/p-Xylenes
Concen: 1.439 ug/l
RT: 12.064 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:106 Resp: 3925

Ion	Ratio	Lower	Upper
106	100		
91	223.6	165.2	247.8



Instrument :
MSVOA_N
ClientSampleId :
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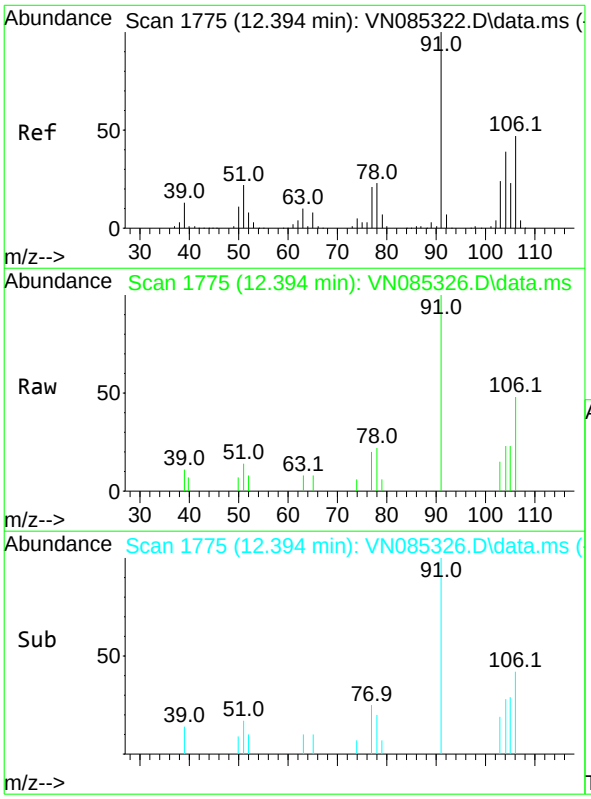
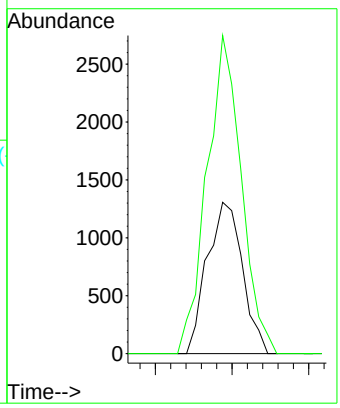
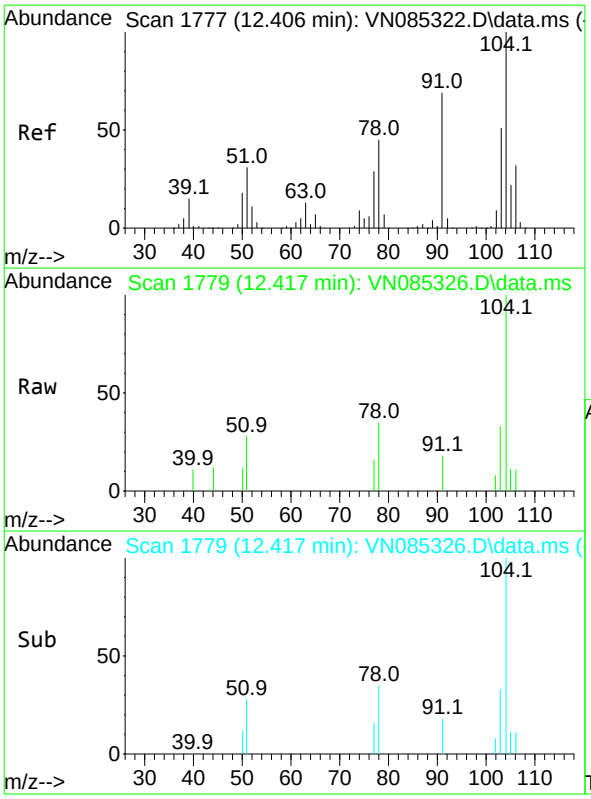


#69
o-Xylene
Concen: 0.792 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:106 Resp: 2091

Ion	Ratio	Lower	Upper
106	100		
91	204.8	107.3	321.8

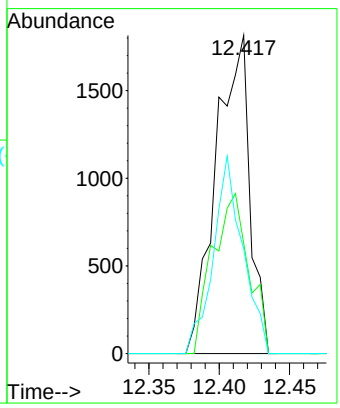




#70
Styrene
Concen: 0.708 ug/l
RT: 12.417 min Scan# 17
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:104 Resp: 3030

Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.7	61.1
103	54.3	44.1	66.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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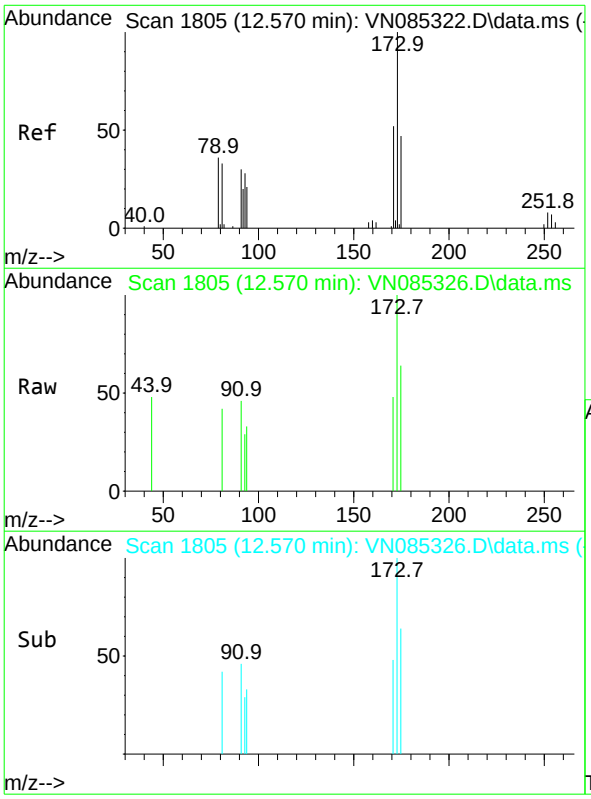
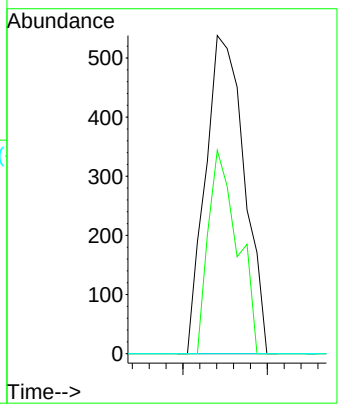
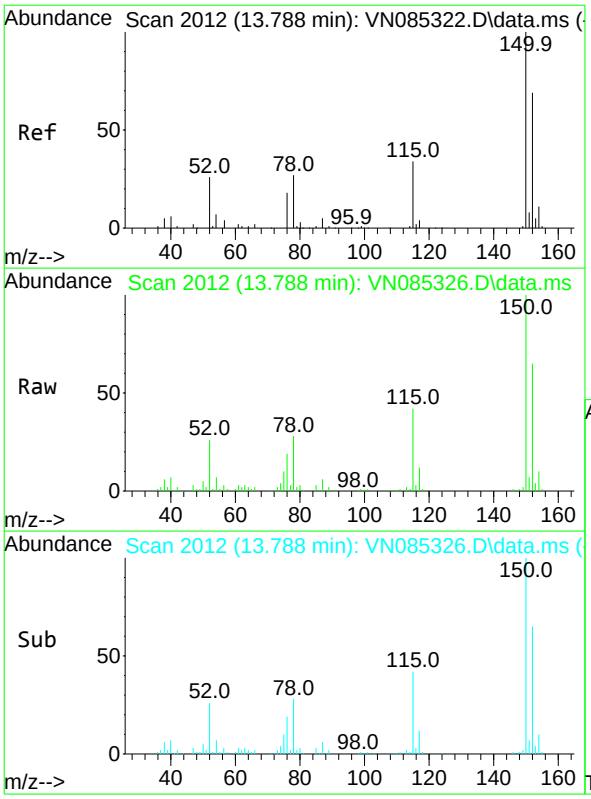


#71
Bromoform
Concen: 0.824 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:173 Resp: 859

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

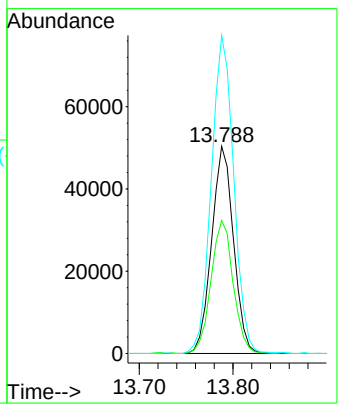




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:152 Resp: 81571

Ion	Ratio	Lower	Upper
152	100		
115	65.2	30.4	91.3
150	157.3	0.0	345.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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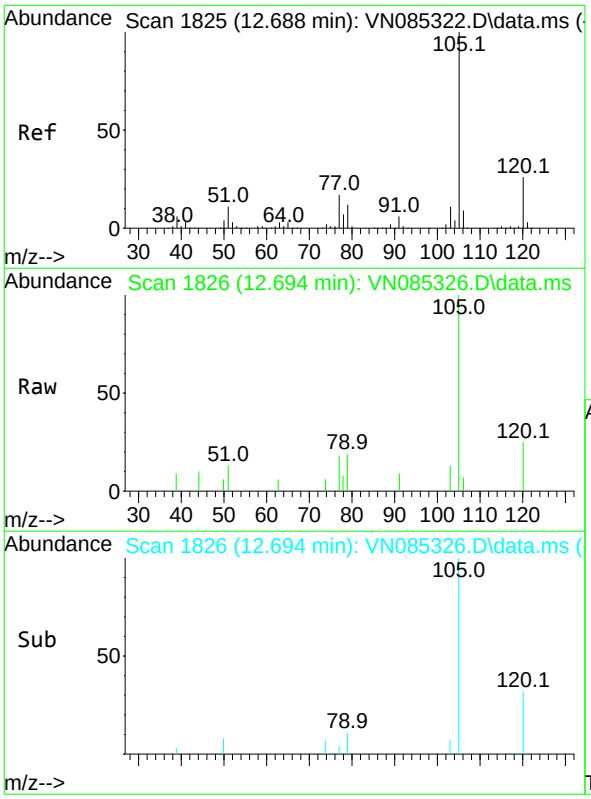
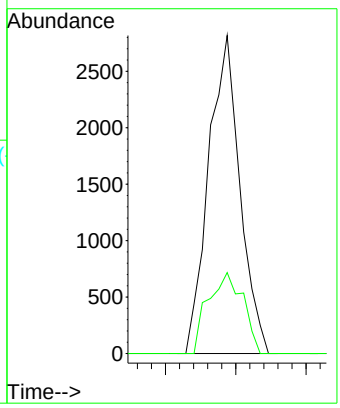
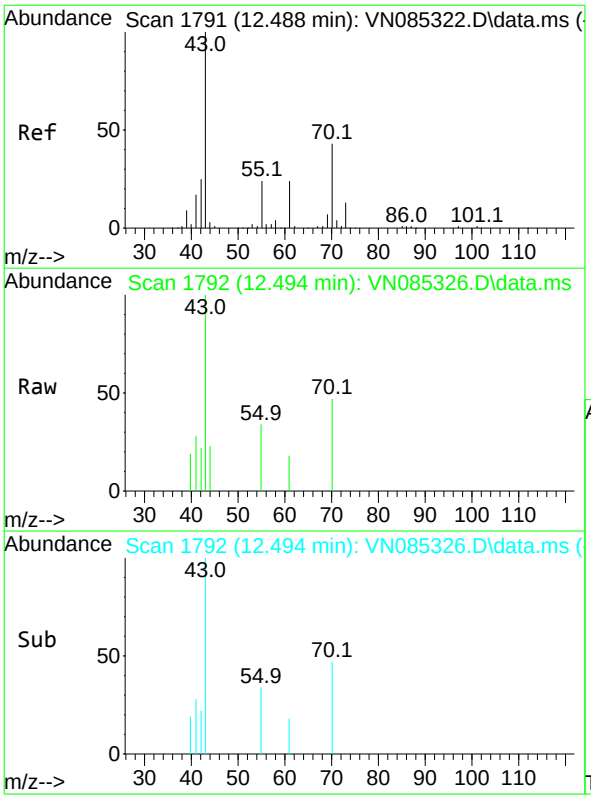


#73
Isopropylbenzene
Concen: 0.744 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 4362

Ion	Ratio	Lower	Upper
105	100		
120	28.2	12.9	38.6

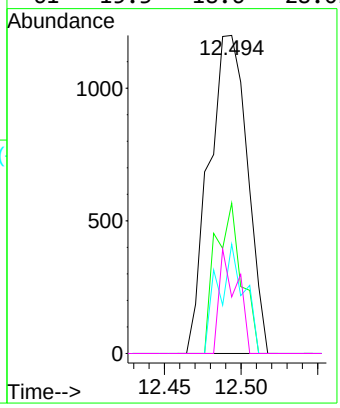




#74
N-amyl acetate
Concen: 0.831 ug/l
RT: 12.494 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 2086

Ion	Ratio	Lower	Upper
43	100		
70	32.3	33.4	50.0#
55	23.4	19.2	28.8
61	15.3	18.6	28.0#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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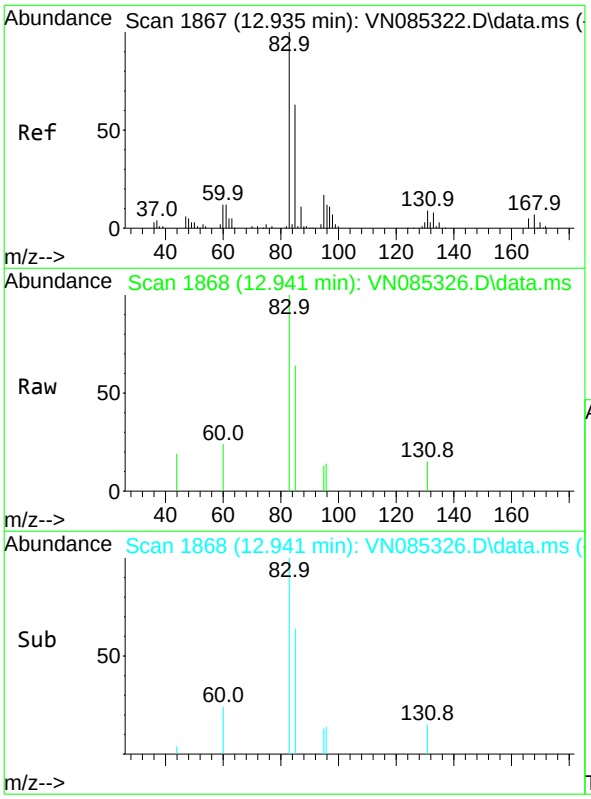
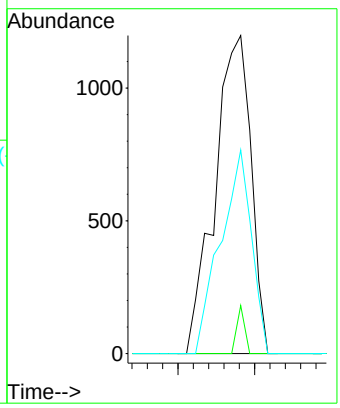
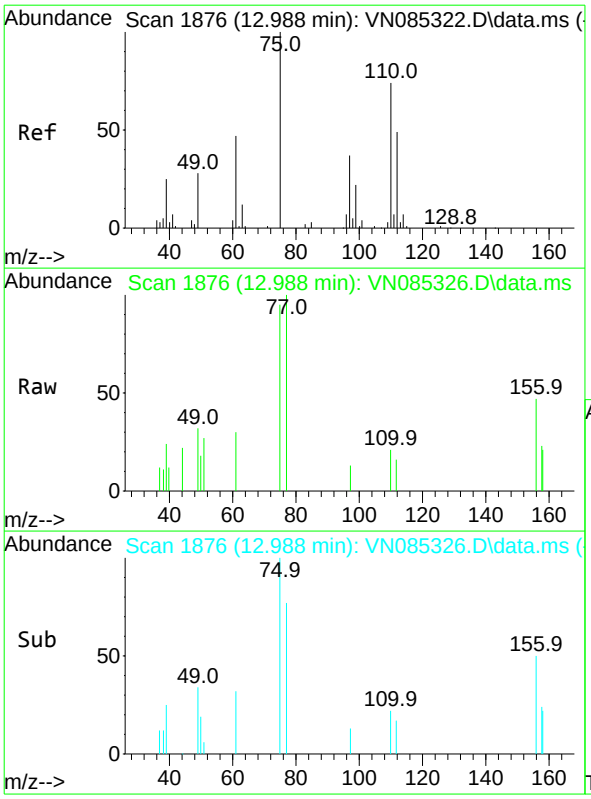


#75
1,1,2,2-Tetrachloroethane
Concen: 1.049 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 83 Resp: 1959

Ion	Ratio	Lower	Upper
83	100		
131	3.3	4.8	14.4#
85	54.9	32.6	98.0

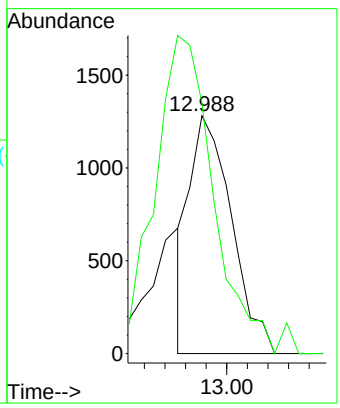




#76
1,2,3-Trichloropropane
Concen: 1.154 ug/l m
RT: 12.988 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 1809

Ion	Ratio	Lower	Upper
75	100		
77	188.8	98.1	294.3



Instrument :
MSVOA_N
ClientSampleId :
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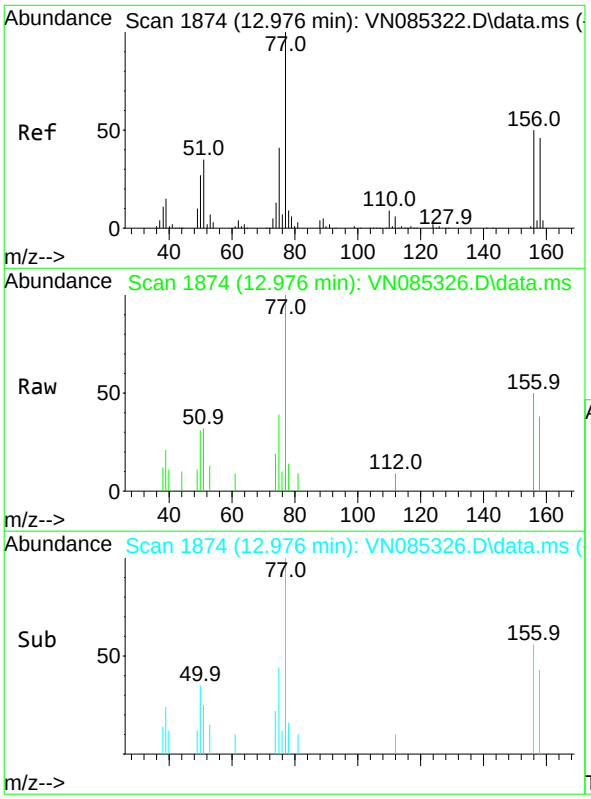
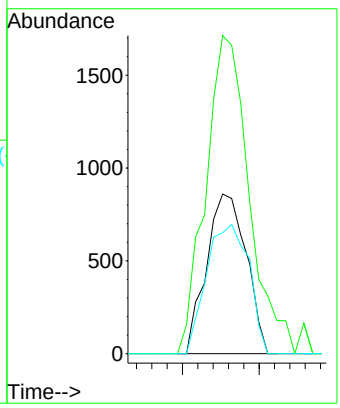
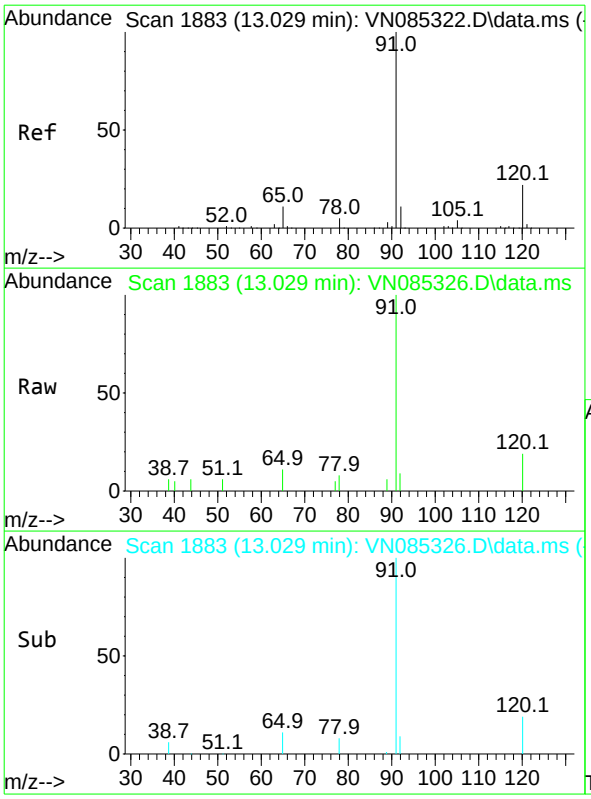


#77
Bromobenzene
Concen: 1.062 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:156 Resp: 1544

Ion	Ratio	Lower	Upper
156	100		
77	221.2	114.0	342.0
158	86.7	47.6	142.8

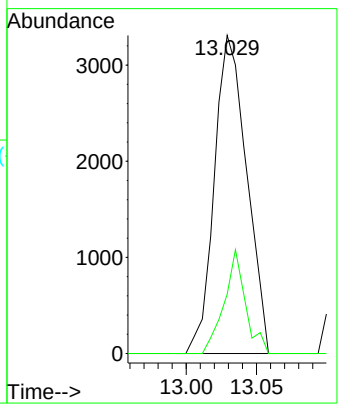




#78
n-propylbenzene
Concen: 0.774 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 5290

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.9



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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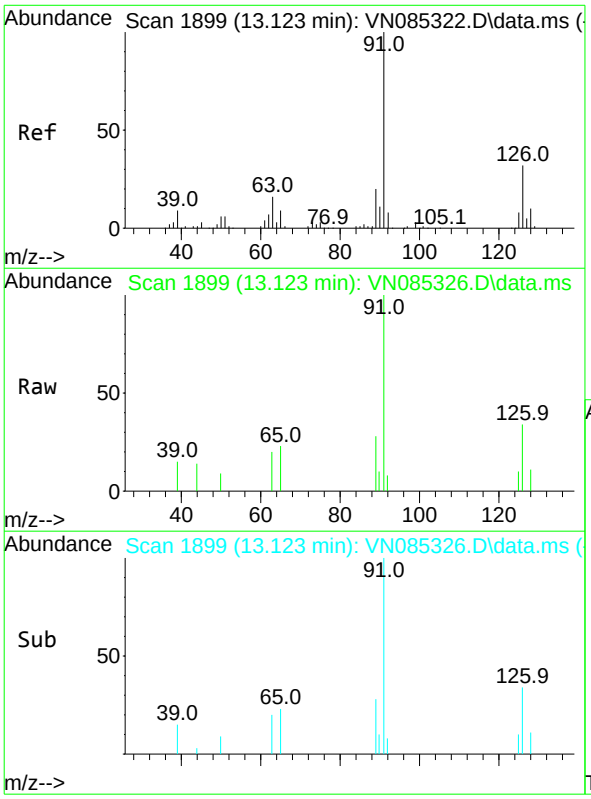
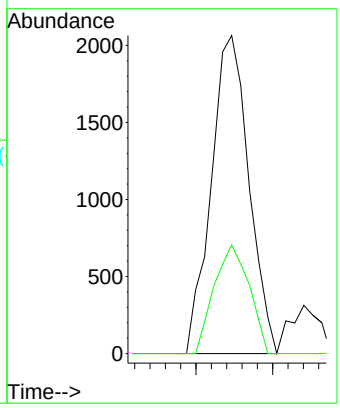
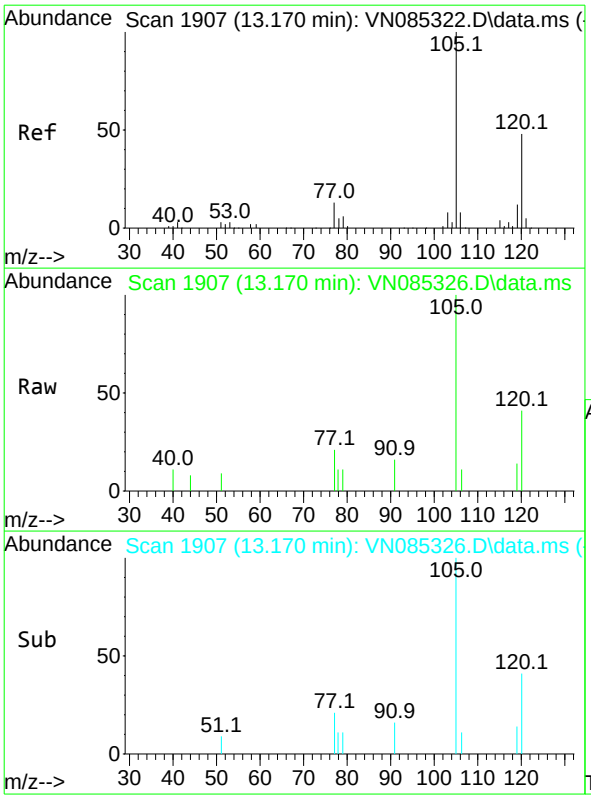


#79
2-Chlorotoluene
Concen: 0.818 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 3518

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0

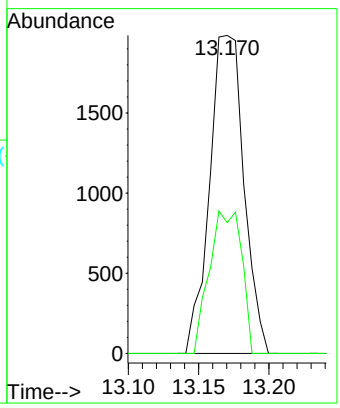




#80
1,3,5-Trimethylbenzene
Concen: 0.712 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 3380

Ion	Ratio	Lower	Upper
105	100		
120	42.0	24.0	72.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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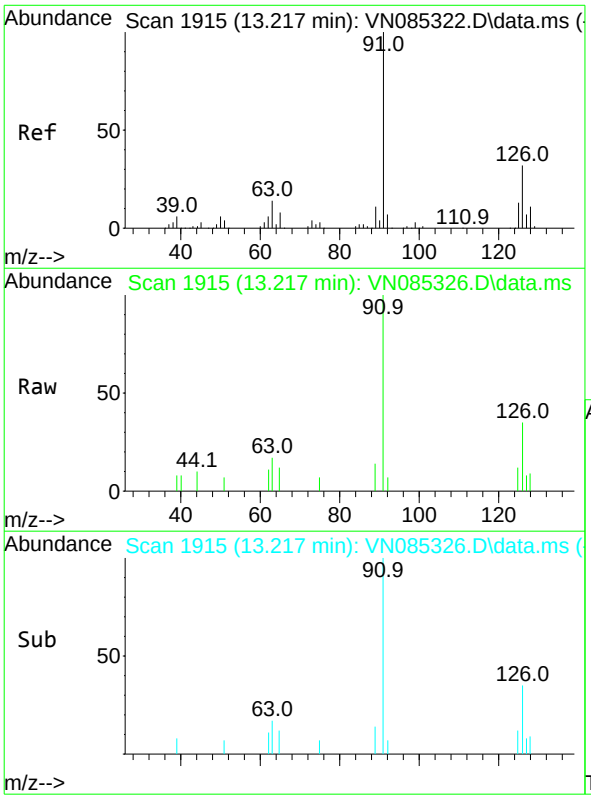
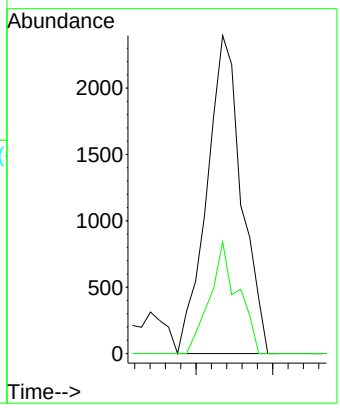
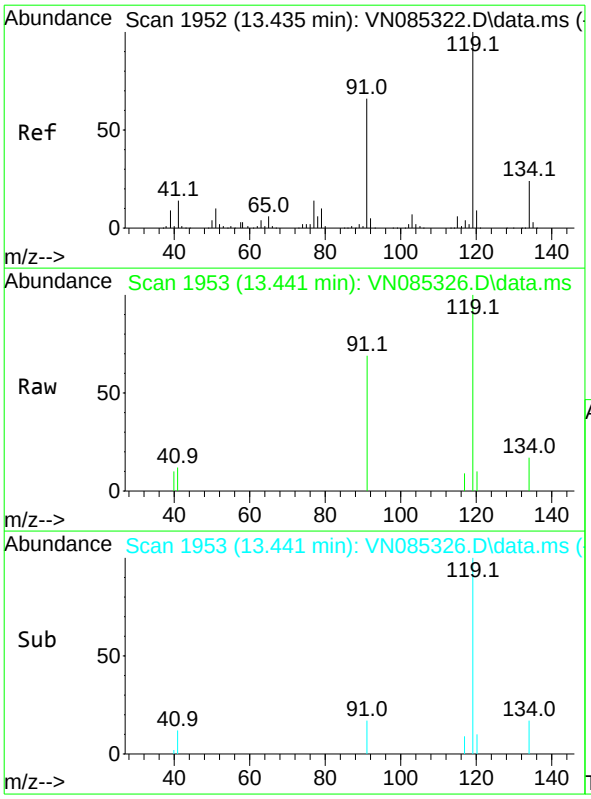


#82
4-Chlorotoluene
Concen: 0.869 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 3768

Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.4	49.4

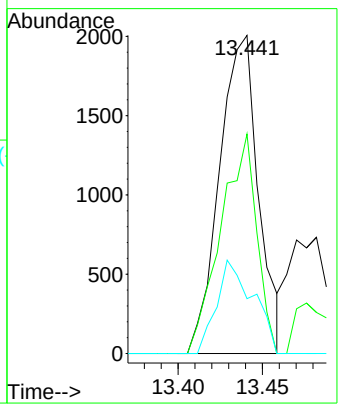




#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.441 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:119 Resp: 3239

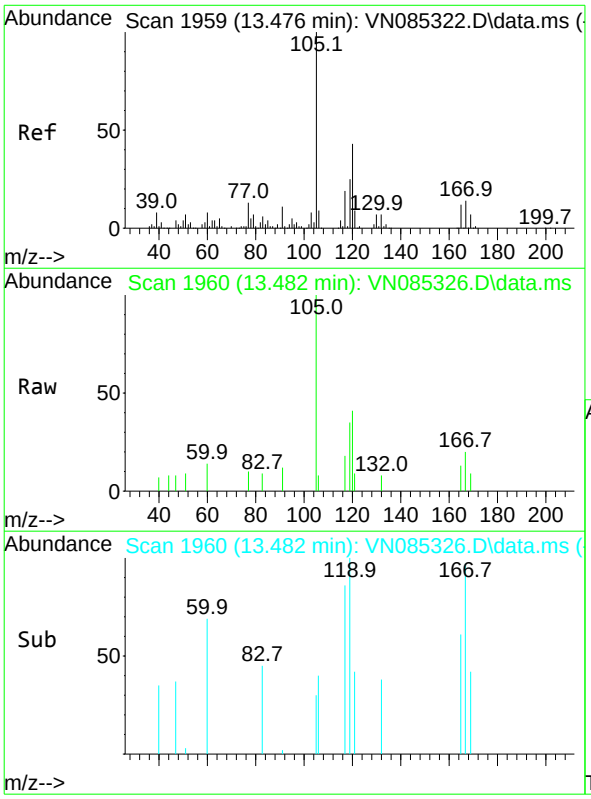
Ion	Ratio	Lower	Upper
119	100		
91	63.3	33.6	100.8
134	27.3	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

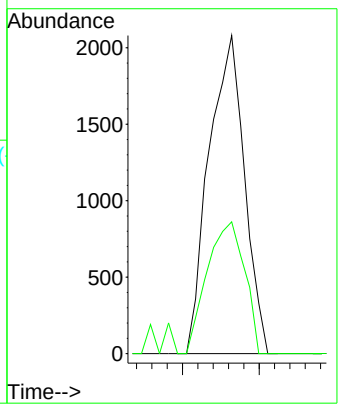
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

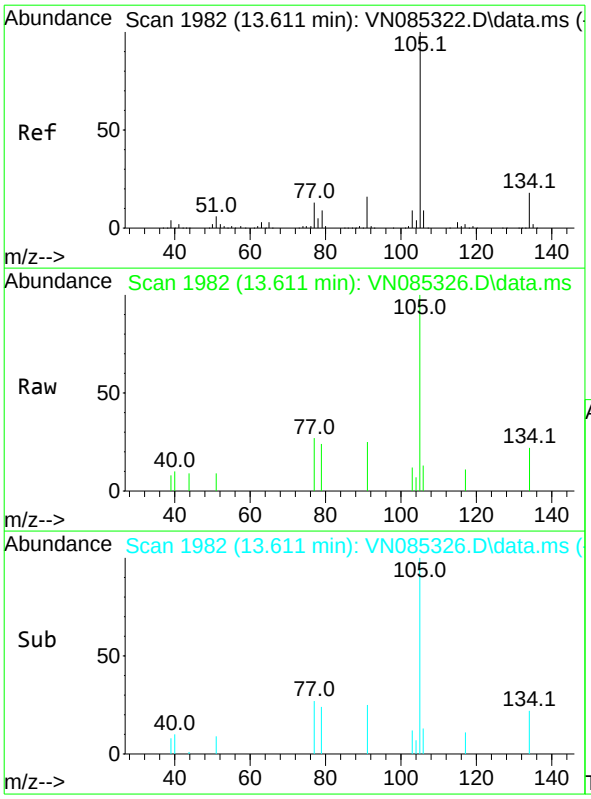


#84
1,2,4-Trimethylbenzene
Concen: 0.707 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 3339

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

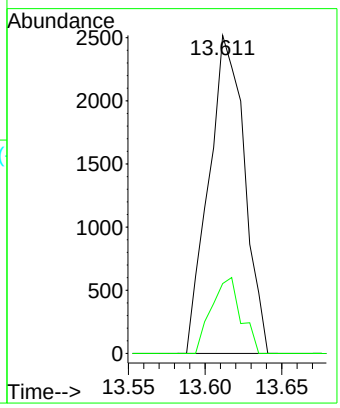




#85
sec-Butylbenzene
Concen: 0.713 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 4066

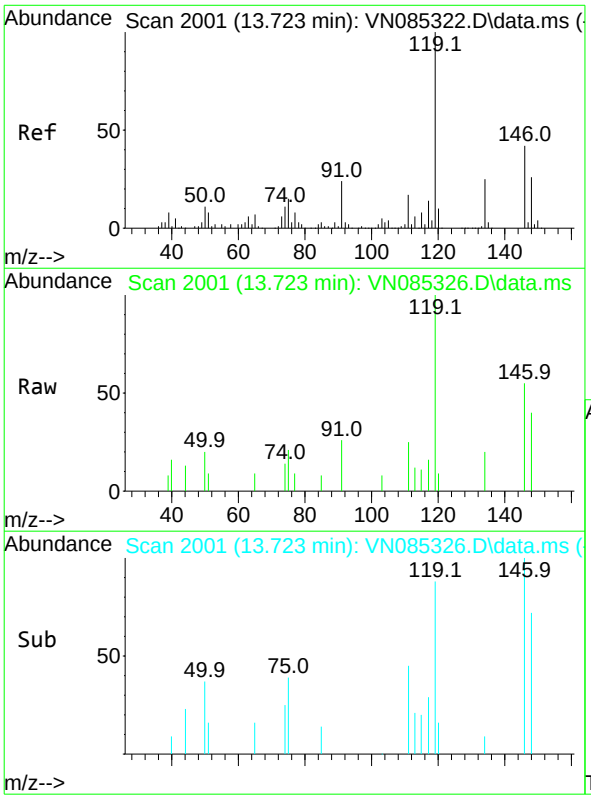
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

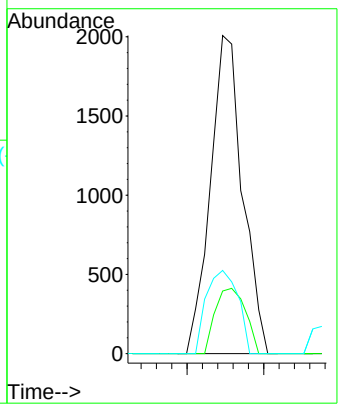
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

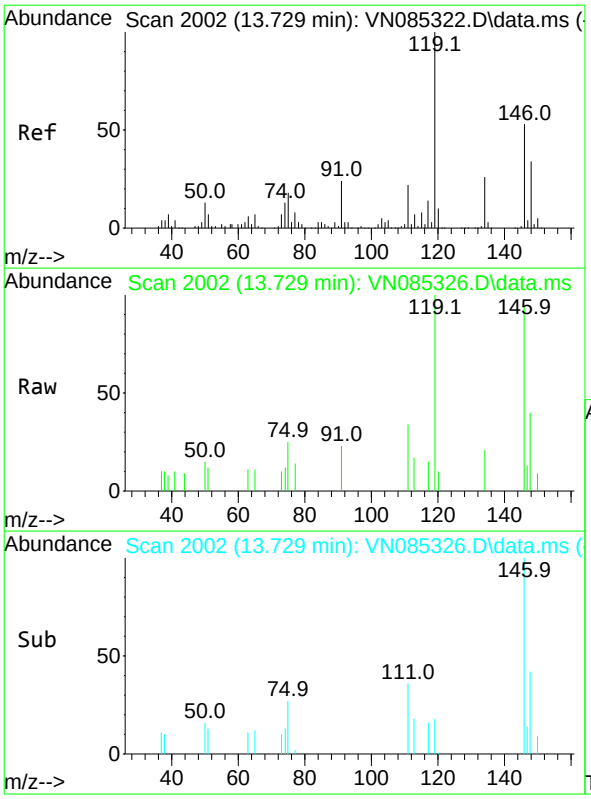


#86
p-Isopropyltoluene
Concen: 0.798 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:119 Resp: 2921

Ion	Ratio	Lower	Upper
119	100		
134	19.3	12.5	37.5
91	25.7	12.2	36.4

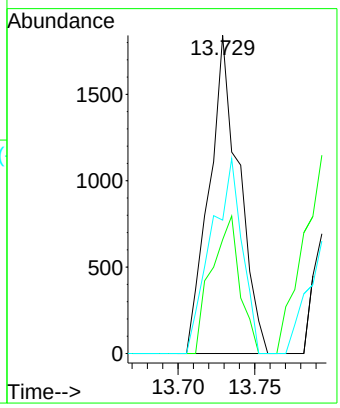




#87
1,3-Dichlorobenzene
Concen: 0.943 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:146 Resp: 2485

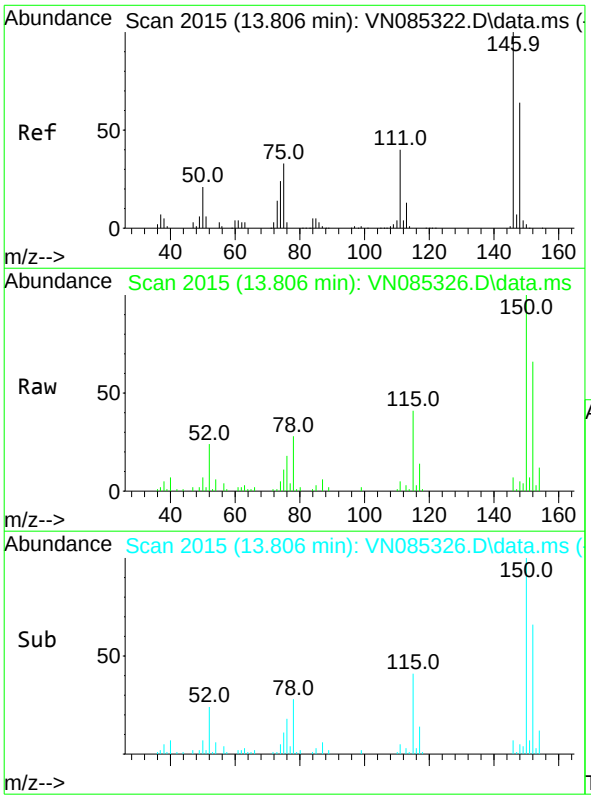
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	63.5	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

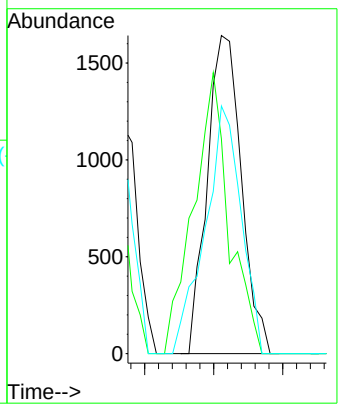
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

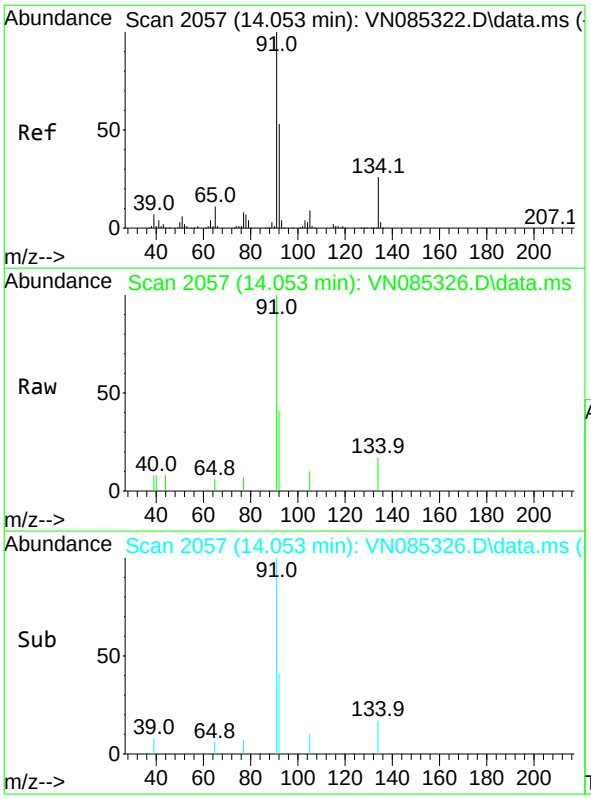


#88
1,4-Dichlorobenzene
Concen: 1.044 ug/l m
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:146 Resp: 2825

Ion	Ratio	Lower	Upper
146	100		
111	36.2	20.8	62.5
148	55.8	31.7	95.1

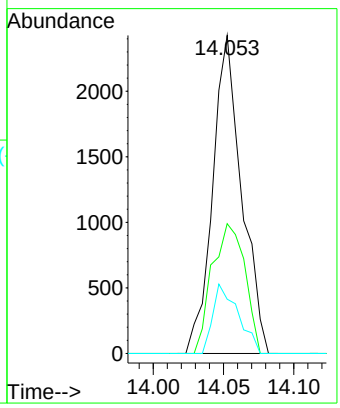




#89
n-Butylbenzene
Concen: 0.833 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 3482

Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.0	78.0
134	19.0	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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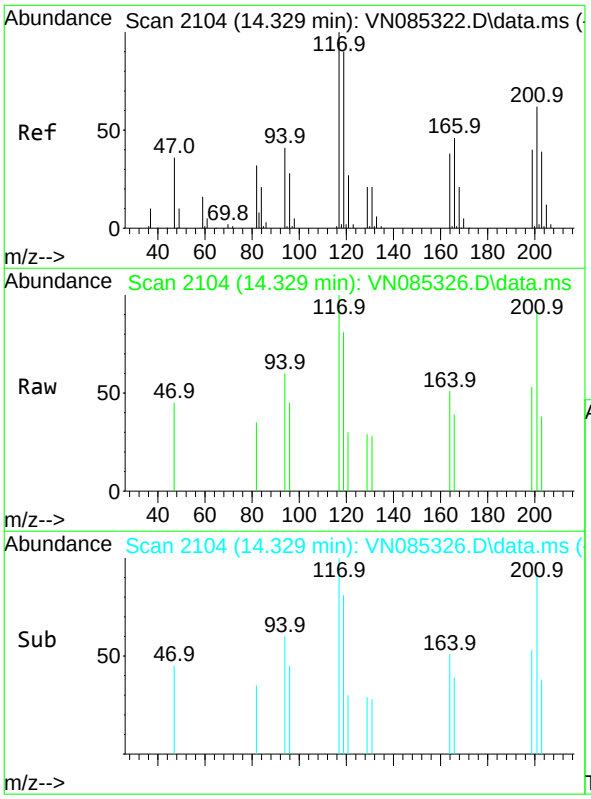
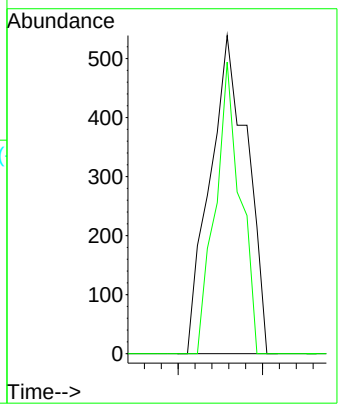
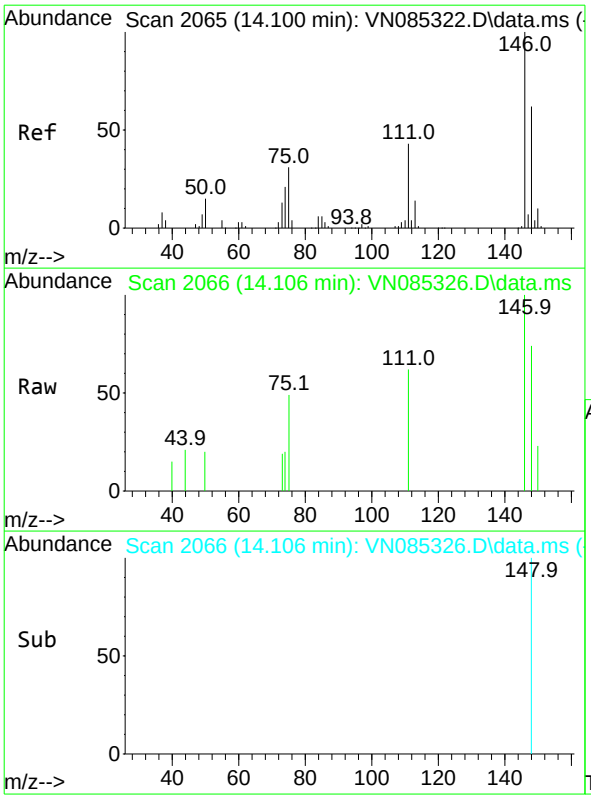


#90
Hexachloroethane
Concen: 0.889 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:117 Resp: 831

Ion	Ratio	Lower	Upper
117	100		
201	61.0	30.7	92.1

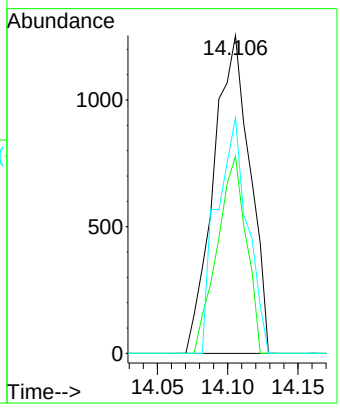




#91
1,2-Dichlorobenzene
Concen: 0.899 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:146 Resp: 2255

Ion	Ratio	Lower	Upper
146	100		
111	49.5	21.8	65.3
148	62.7	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
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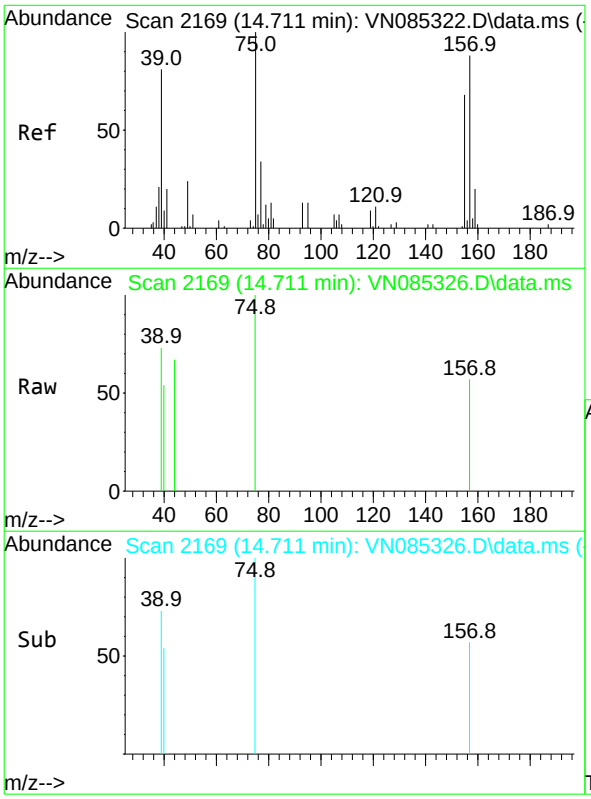
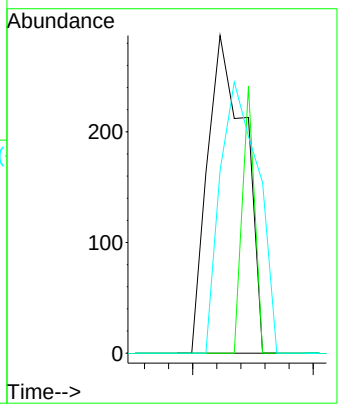
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

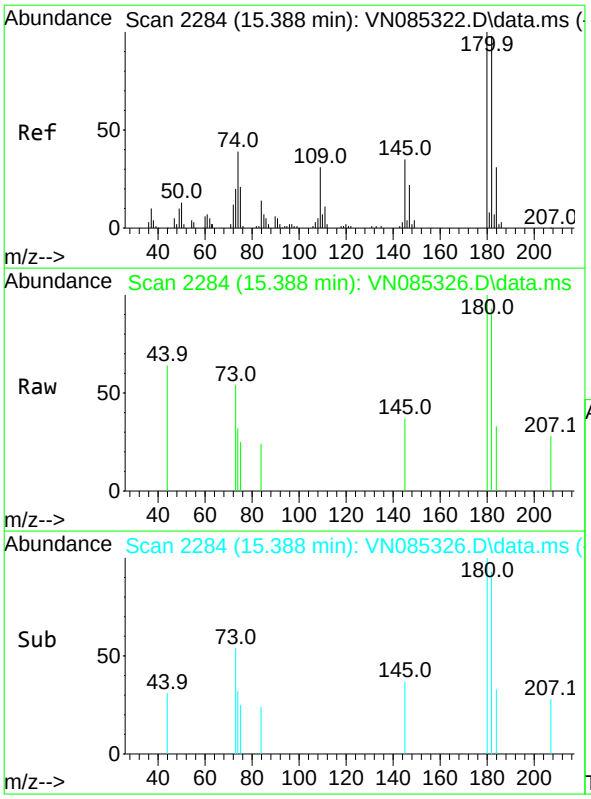


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.929 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 309

Ion	Ratio	Lower	Upper
75	100		
155	27.5	35.6	106.9#
157	86.7	47.0	141.0

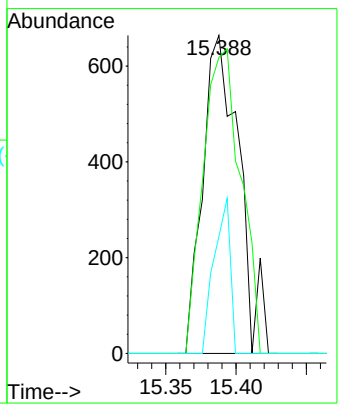




#93
1,2,4-Trichlorobenzene
Concen: 0.952 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:180 Resp: 1193

Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.2	141.6
145	21.8	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

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Reviewed By :John Carlone 12/30/2024
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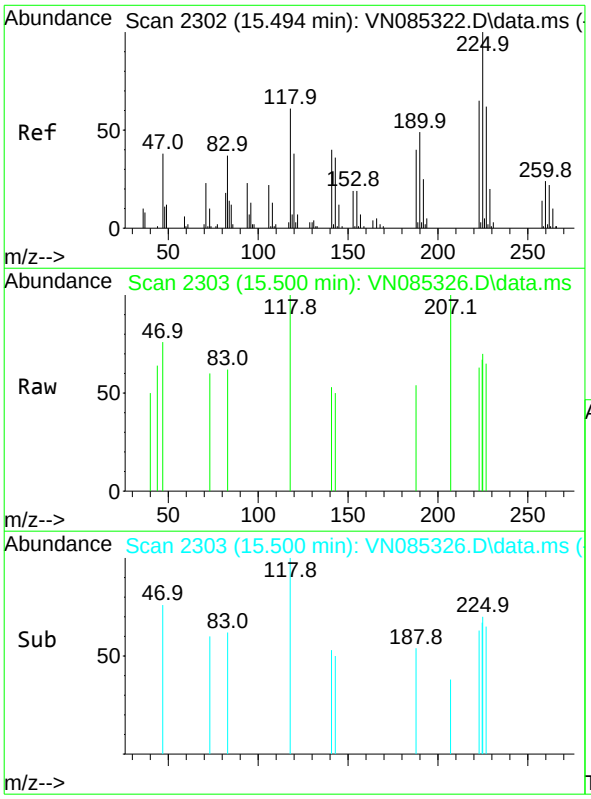
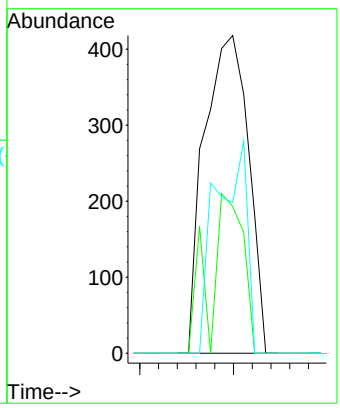
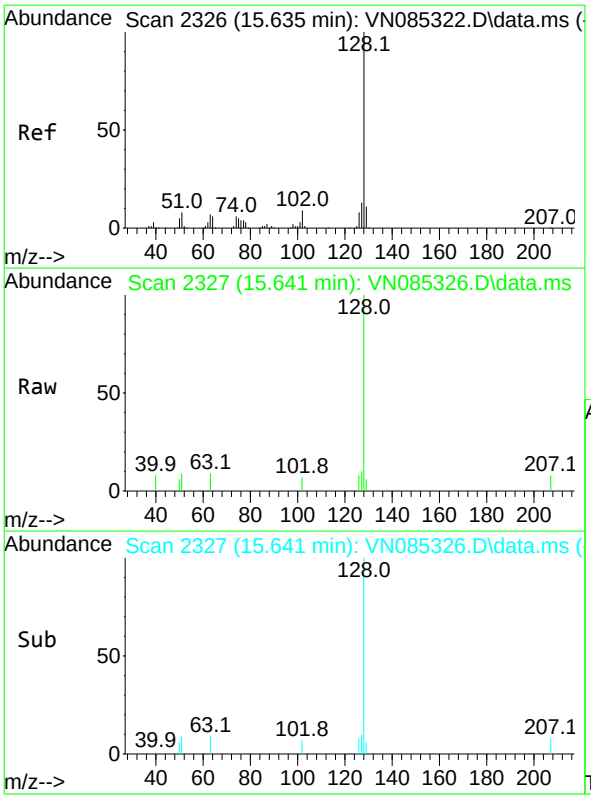


#94
Hexachlorobutadiene
Concen: 1.094 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:225 Resp: 681

Ion	Ratio	Lower	Upper
225	100		
223	37.7	31.6	94.7
227	47.0	30.3	91.0

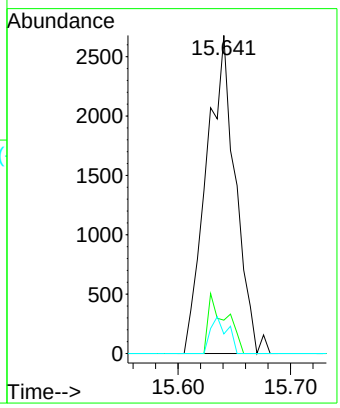




#95
Naphthalene
Concen: 1.134 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:128 Resp: 4815

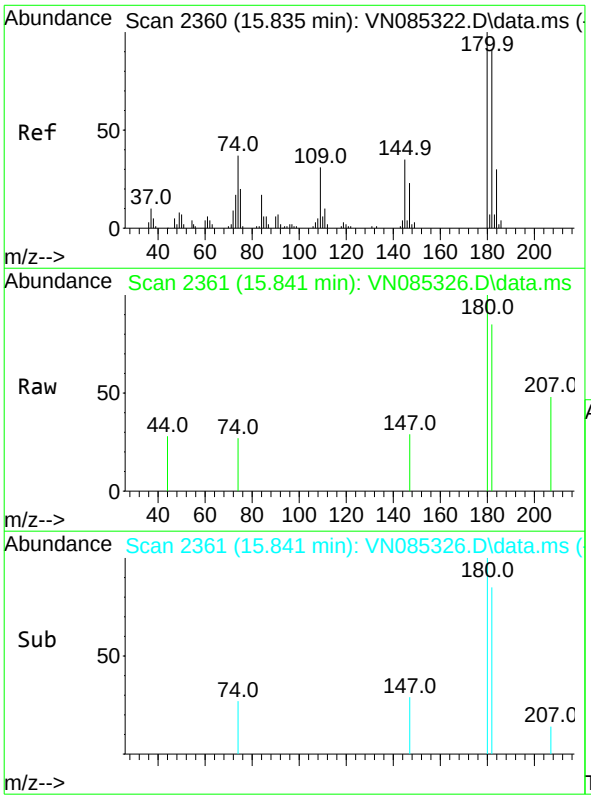
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.6	16.0
129	6.7	8.5	12.7#



Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

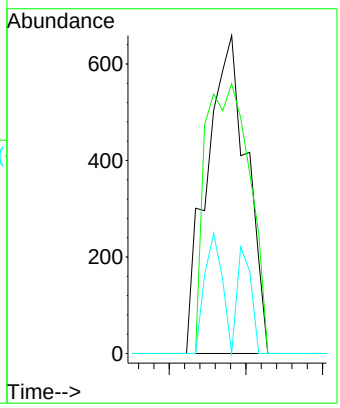
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.949 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:180 Resp: 1188

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.4
145	11.6	17.2	51.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	164136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	292504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.159	113	91966	50.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.565	98	347336	51.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.847	95	121466	54.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	115857	52.192	ug/l	99
3) Chloromethane	2.359	50	115249	46.193	ug/l	96
4) Vinyl Chloride	2.512	62	133659	50.656	ug/l	96
5) Bromomethane	2.924	94	83386	48.321	ug/l	96
6) Chloroethane	3.100	64	84777	50.664	ug/l	96
7) Trichlorofluoromethane	3.489	101	174797	50.396	ug/l	99
8) Diethyl Ether	3.953	74	63278	55.098	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	100713	51.030	ug/l	98
10) Methyl Iodide	4.583	142	118805	52.018	ug/l	96
11) Tert butyl alcohol	5.524	59	82769	282.346	ug/l	98
12) 1,1-Dichloroethene	4.330	96	93112	51.049	ug/l	99
13) Acrolein	4.171	56	97975	214.370	ug/l	98
14) Allyl chloride	5.018	41	149493	51.210	ug/l	99
15) Acrylonitrile	5.712	53	250489	271.490	ug/l	99
16) Acetone	4.418	43	215365	279.767	ug/l	95
17) Carbon Disulfide	4.706	76	266129	47.961	ug/l	98
18) Methyl Acetate	5.018	43	127062	53.913	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	322145	54.338	ug/l	97
20) Methylene Chloride	5.265	84	106365	51.370	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	95767	50.262	ug/l	96
22) Diisopropyl ether	6.665	45	341434	54.277	ug/l	99
23) Vinyl Acetate	6.594	43	1266714	278.352	ug/l	99
24) 1,1-Dichloroethane	6.565	63	195446	51.577	ug/l	98
25) 2-Butanone	7.477	43	338384	283.341	ug/l	98
26) 2,2-Dichloropropane	7.482	77	176896	53.283	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118182	52.846	ug/l	97
28) Bromochloromethane	7.812	49	90008	51.112	ug/l #	100
29) Tetrahydrofuran	7.835	42	218407	283.909	ug/l	100
30) Chloroform	7.965	83	197287	50.890	ug/l	98
31) Cyclohexane	8.253	56	165938	47.956	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	174266	50.333	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140127	52.447	ug/l	99
37) Ethyl Acetate	7.559	43	137205	51.666	ug/l	99
38) Carbon Tetrachloride	8.359	117	153395	52.672	ug/l	98
39) Methylcyclohexane	9.600	83	156627	56.501	ug/l	100
40) Benzene	8.600	78	424501	52.550	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	77084	56.677 ug/l	98
42) 1,2-Dichloroethane	8.665	62	149352	51.568 ug/l	100
43) Isopropyl Acetate	8.682	43	249040	56.953 ug/l	98
44) Trichloroethene	9.347	130	97403	50.930 ug/l	93
45) 1,2-Dichloropropane	9.618	63	109589	53.441 ug/l	100
46) Dibromomethane	9.706	93	76287	53.491 ug/l	98
47) Bromodichloromethane	9.882	83	156297	52.728 ug/l #	99
48) Methyl methacrylate	9.676	41	111168	58.590 ug/l	99
49) 1,4-Dioxane	9.694	88	34268	1197.029 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	714200	290.641 ug/l	99
52) Toluene	10.623	92	264263	54.941 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	164691	56.497 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	173493	55.040 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	96817	53.314 ug/l	98
56) Ethyl methacrylate	10.871	69	163272	61.733 ug/l	98
57) 1,3-Dichloropropane	11.159	76	172176	54.020 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	359446	280.905 ug/l	99
59) 2-Hexanone	11.194	43	519370	304.633 ug/l	99
60) Dibromochloromethane	11.359	129	116293	56.856 ug/l	99
61) 1,2-Dibromoethane	11.465	107	97817	54.445 ug/l	99
64) Tetrachloroethene	11.100	164	84445	52.056 ug/l	98
65) Chlorobenzene	11.888	112	287764	52.014 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	98192	52.882 ug/l	99
67) Ethyl Benzene	11.959	91	512193	55.669 ug/l	99
68) m/p-Xylenes	12.065	106	386429	114.768 ug/l	100
69) o-Xylene	12.394	106	185036	56.809 ug/l	98
70) Styrene	12.406	104	313206	59.331 ug/l	99
71) Bromoform	12.576	173	72309	56.226 ug/l #	99
73) Isopropylbenzene	12.694	105	474369	54.966 ug/l	100
74) N-amyl acetate	12.488	43	211810	57.337 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	137310	49.956 ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	110703m	49.397 ug/l	
77) Bromobenzene	12.976	156	106098	49.621 ug/l	97
78) n-propylbenzene	13.035	91	562715	55.937 ug/l	99
79) 2-Chlorotoluene	13.123	91	338610	53.482 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	393503	56.370 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	51732	55.281 ug/l	98
82) 4-Chlorotoluene	13.217	91	341098	53.493 ug/l	99
83) tert-Butylbenzene	13.435	119	332355	54.963 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	399361	57.454 ug/l	99
85) sec-Butylbenzene	13.611	105	477401	56.877 ug/l	98
86) p-Isopropyltoluene	13.723	119	399868	53.045 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	204501	52.759 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	201165	50.524 ug/l	100
89) n-Butylbenzene	14.053	91	357404	58.149 ug/l	100
90) Hexachloroethane	14.329	117	74623	54.238 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	194477	52.669 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27636	56.494 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	99722	54.113 ug/l	99
94) Hexachlorobutadiene	15.500	225	45915	50.146 ug/l	98
95) Naphthalene	15.635	128	319467	51.123 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	94990	51.589 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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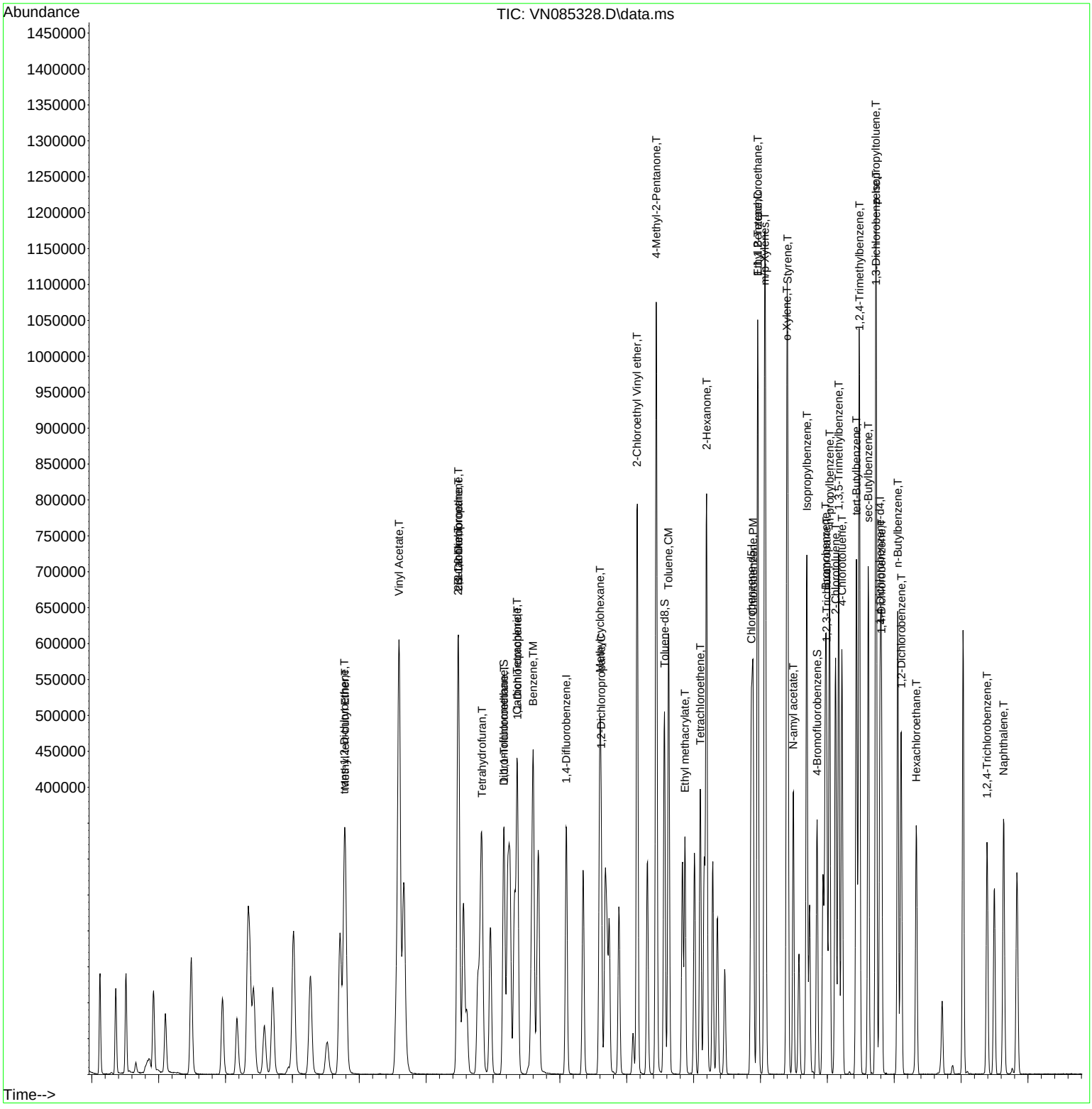
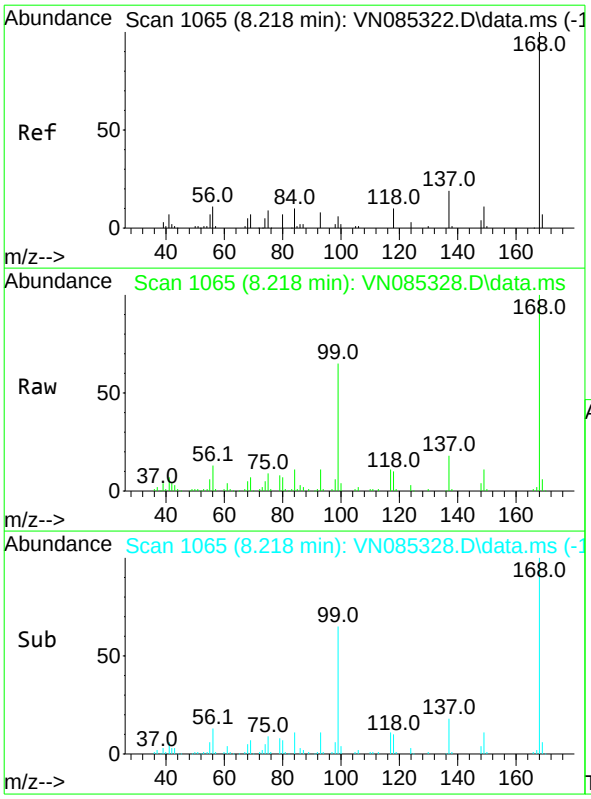
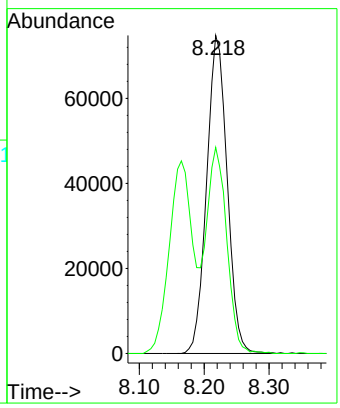




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:168 Resp: 164136

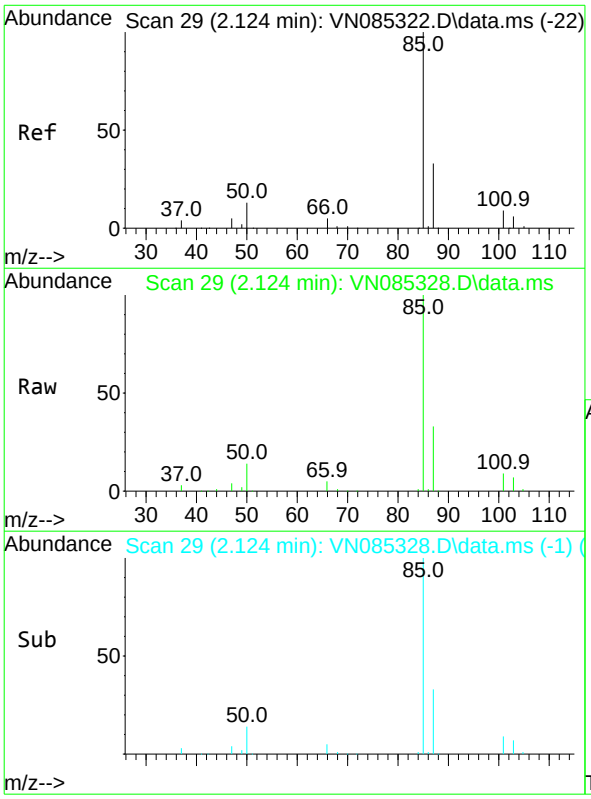
Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

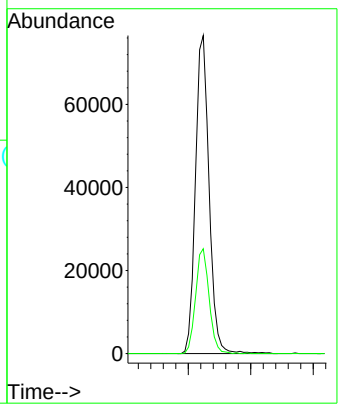
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

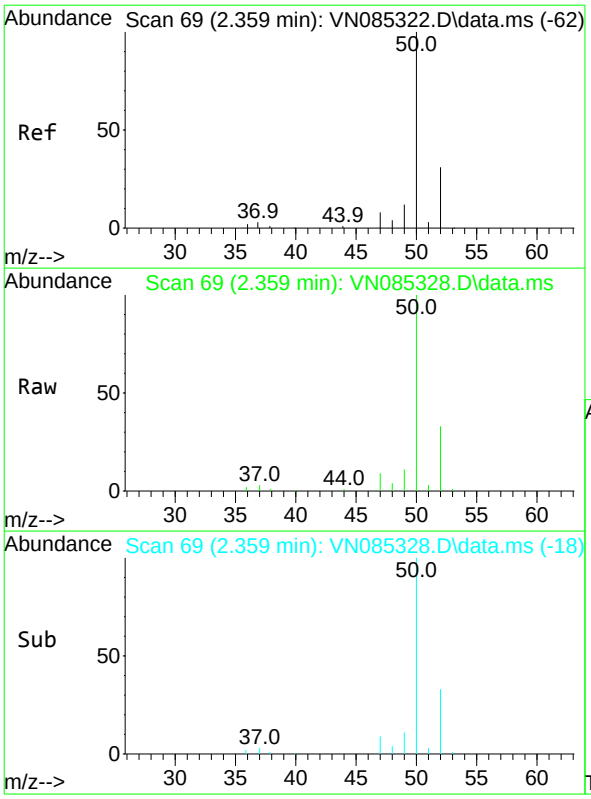


#2
Dichlorodifluoromethane
Concen: 52.192 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 85 Resp: 115857

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.8	50.3

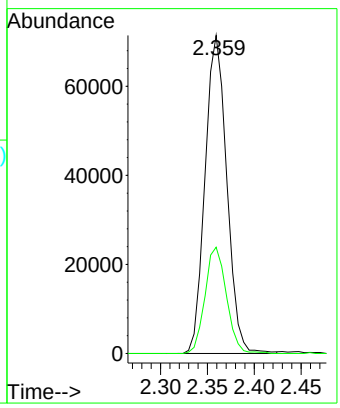




#3
Chloromethane
Concen: 46.193 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 50 Resp: 115249

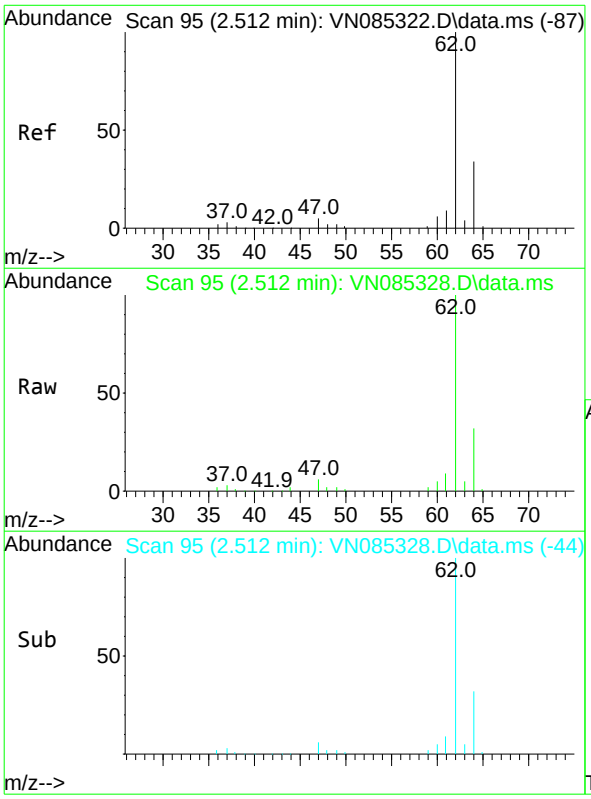
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

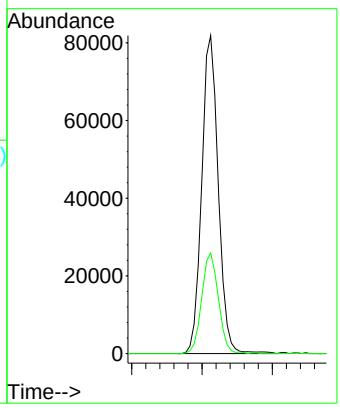
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

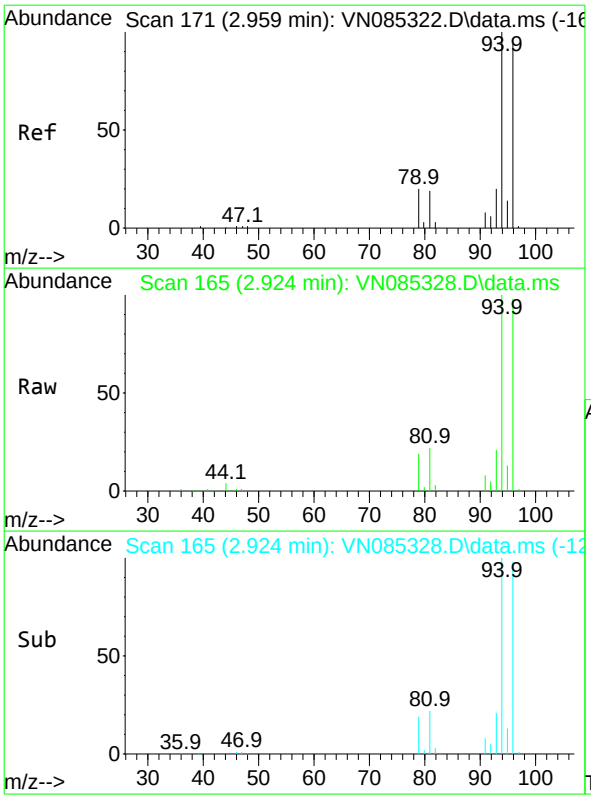


#4
Vinyl Chloride
Concen: 50.656 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 62 Resp: 133659

Ion	Ratio	Lower	Upper
62	100		
64	31.7	27.0	40.6

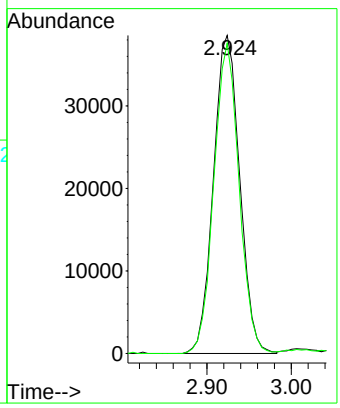




#5
Bromomethane
Concen: 48.321 ug/l
RT: 2.924 min Scan# 16
Delta R.T. -0.035 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 94 Resp: 83386

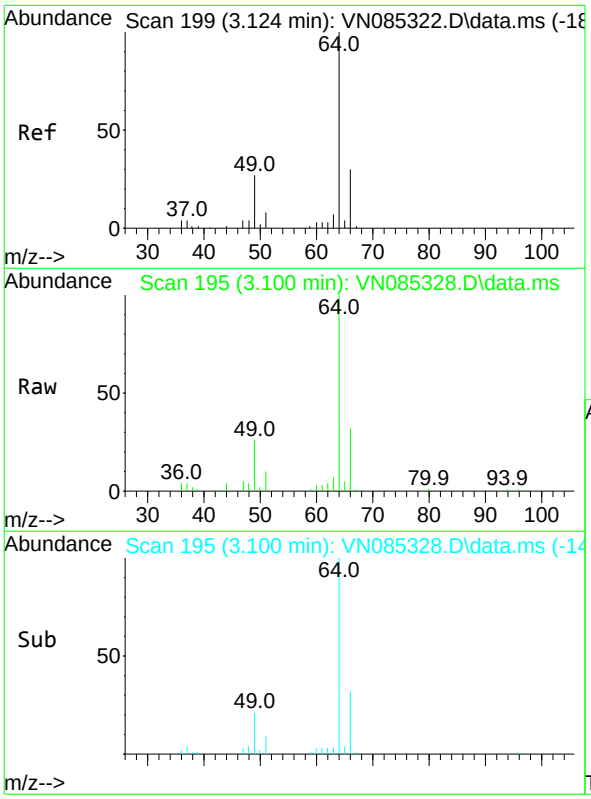
Ion	Ratio	Lower	Upper
94	100		
96	97.5	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

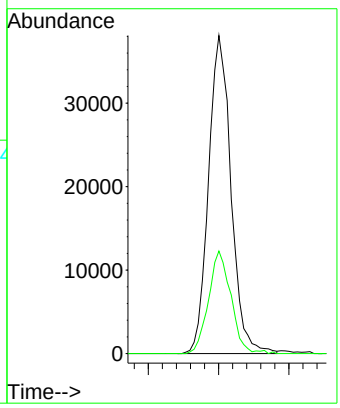
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

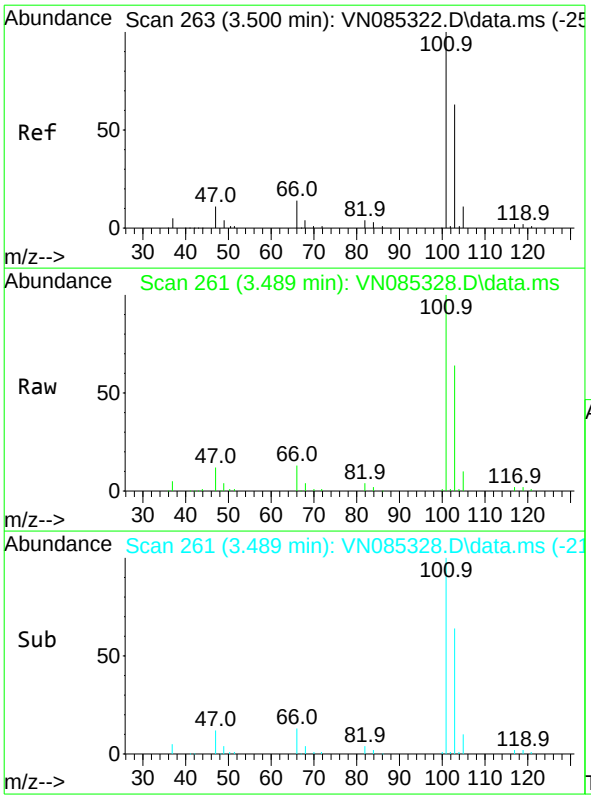


#6
Chloroethane
Concen: 50.664 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.024 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 64 Resp: 84777

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.1	36.1

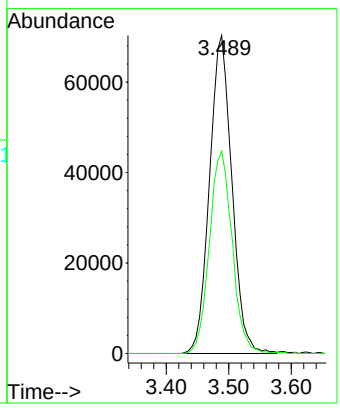




#7
Trichlorofluoromethane
Concen: 50.396 ug/l
RT: 3.489 min Scan# 26
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:101 Resp: 174797

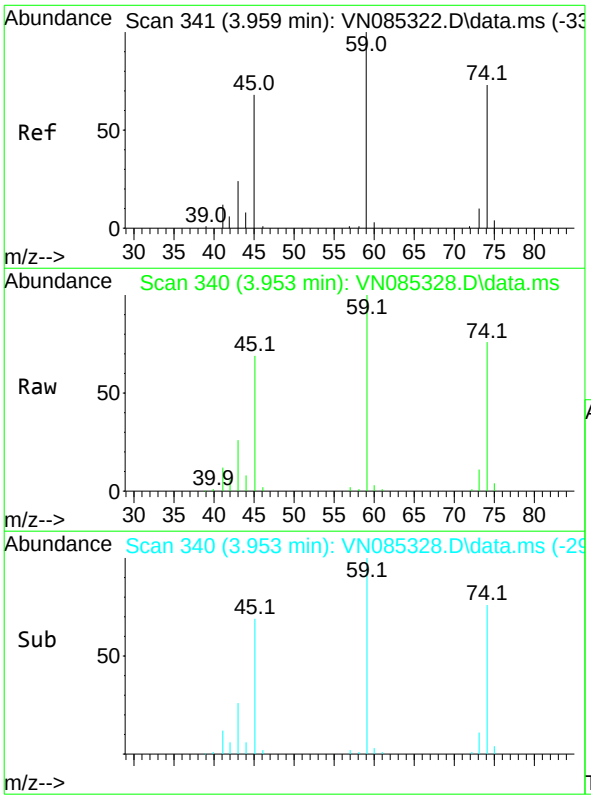
Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

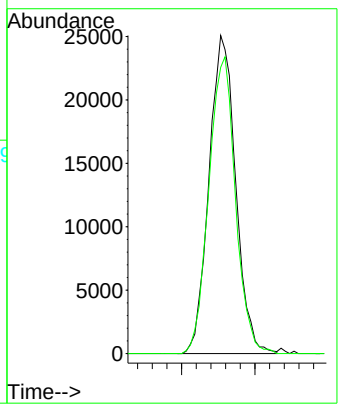
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

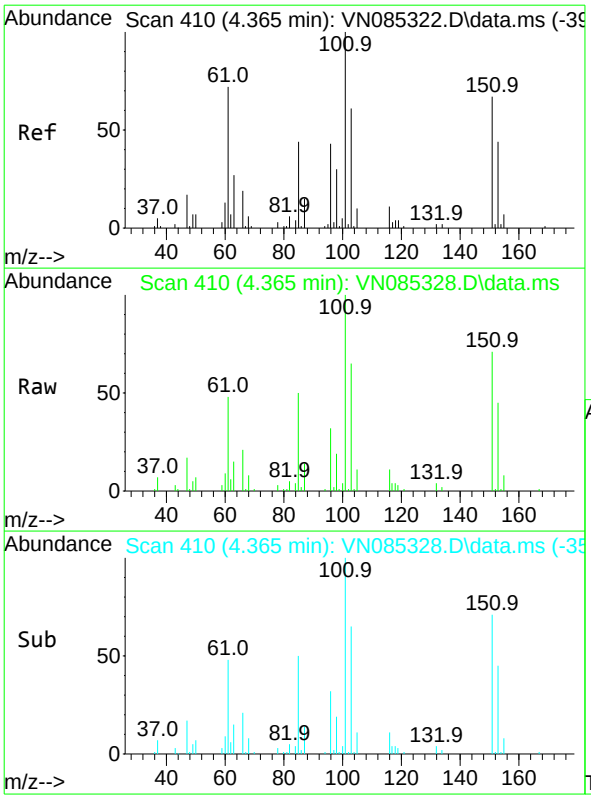


#8
Diethyl Ether
Concen: 55.098 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 74 Resp: 63278

Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.5	142.6

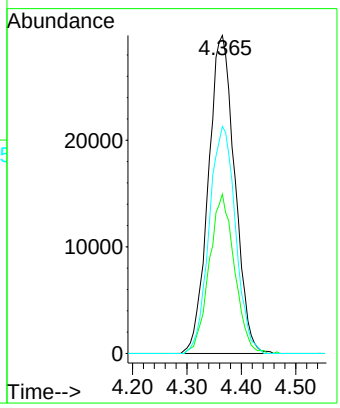




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.030 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:101 Resp: 100713

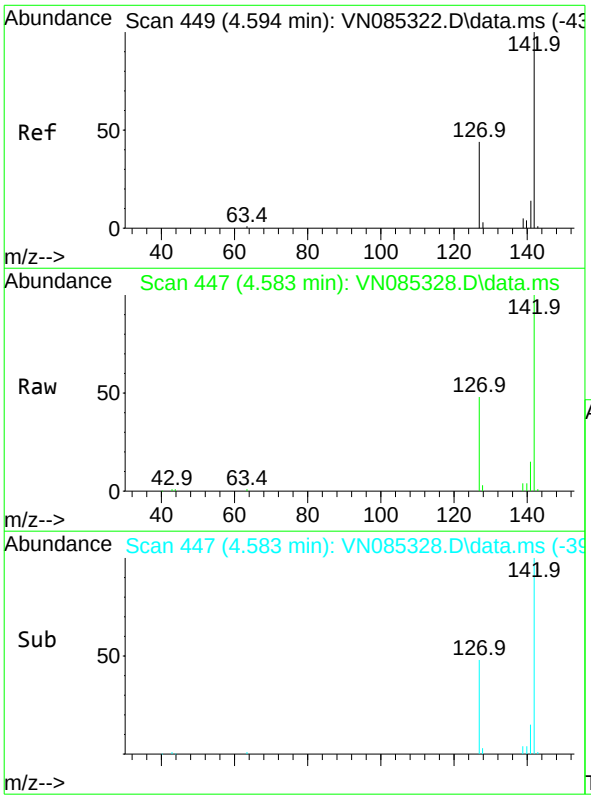
Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	71.0	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations
APPROVED

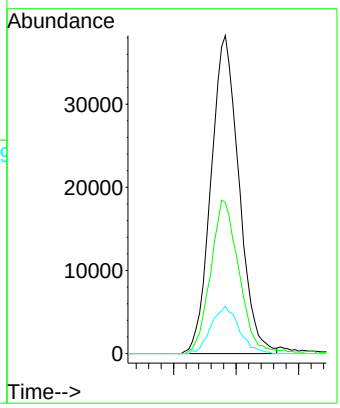
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

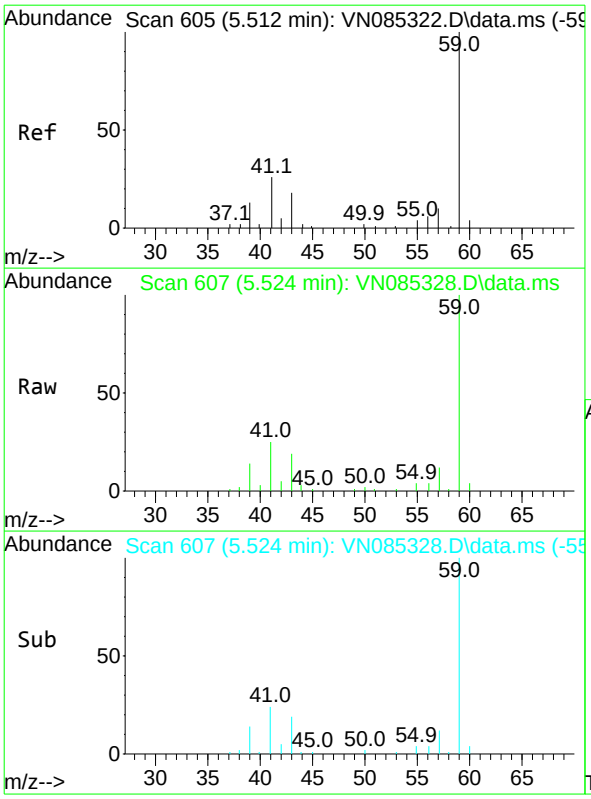


#10
Methyl Iodide
Concen: 52.018 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:142 Resp: 118805

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.9	11.5	17.3

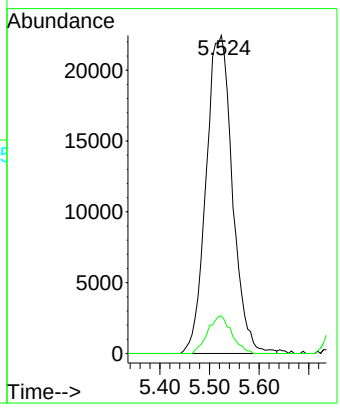




#11
Tert butyl alcohol
Concen: 282.346 ug/l
RT: 5.524 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 59 Resp: 82769

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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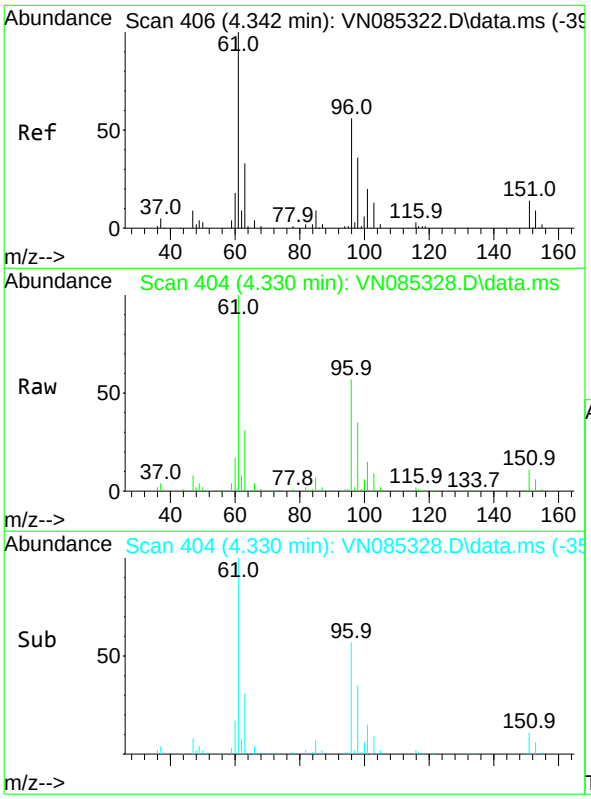
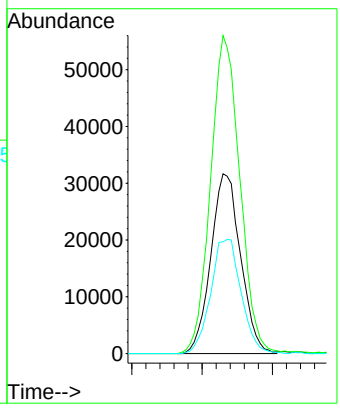
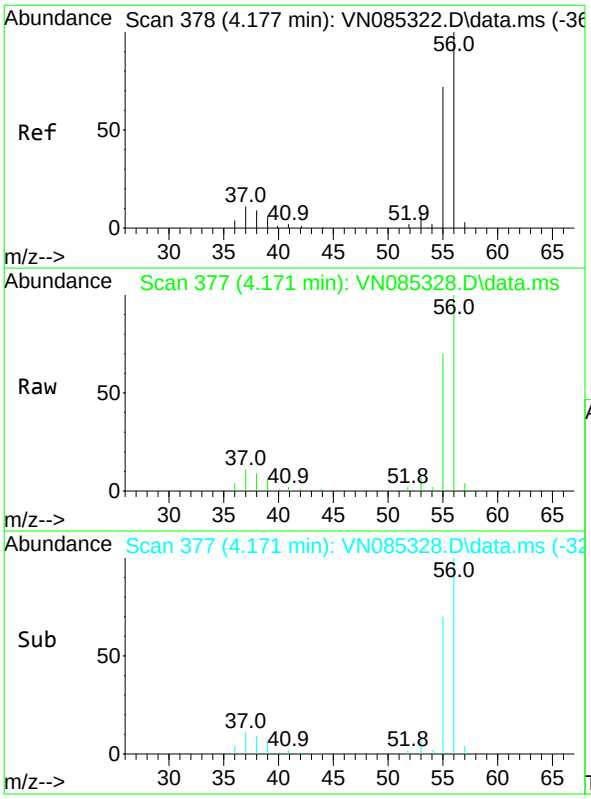


#12
1,1-Dichloroethene
Concen: 51.049 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 96 Resp: 93112

Ion	Ratio	Lower	Upper
96	100		
61	176.9	142.4	213.6
98	62.2	51.5	77.3

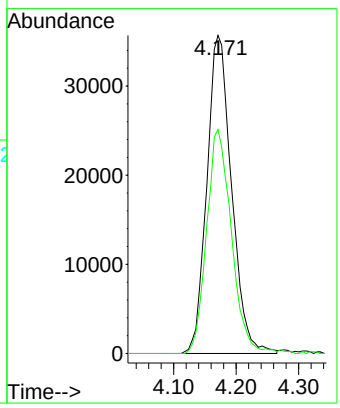




#13
Acrolein
Concen: 214.370 ug/l
RT: 4.171 min Scan# 37
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 56 Resp: 97975

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/30/2024
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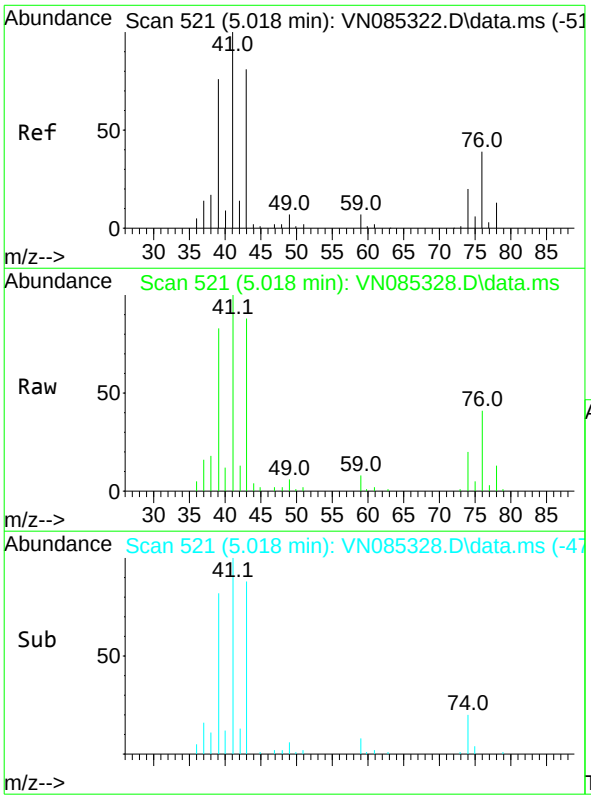
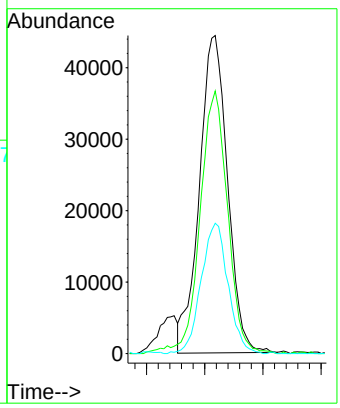
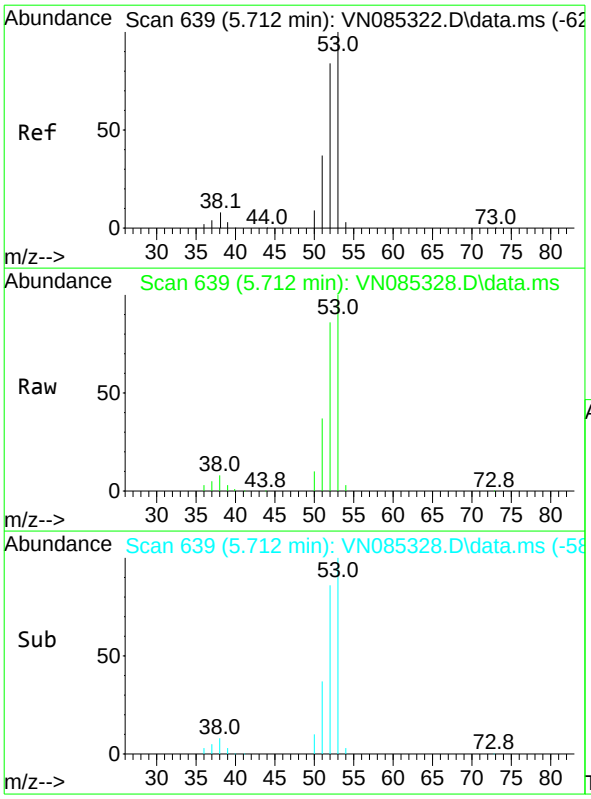


#14
Allyl chloride
Concen: 51.210 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 41 Resp: 149493

Ion	Ratio	Lower	Upper
41	100		
39	81.1	64.4	96.6
76	39.2	31.5	47.3

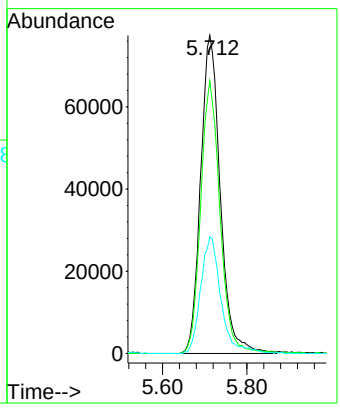




#15
Acrylonitrile
Concen: 271.490 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 53 Resp: 250489

Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	100.0
51	37.8	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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Reviewed By :John Carlone 12/30/2024
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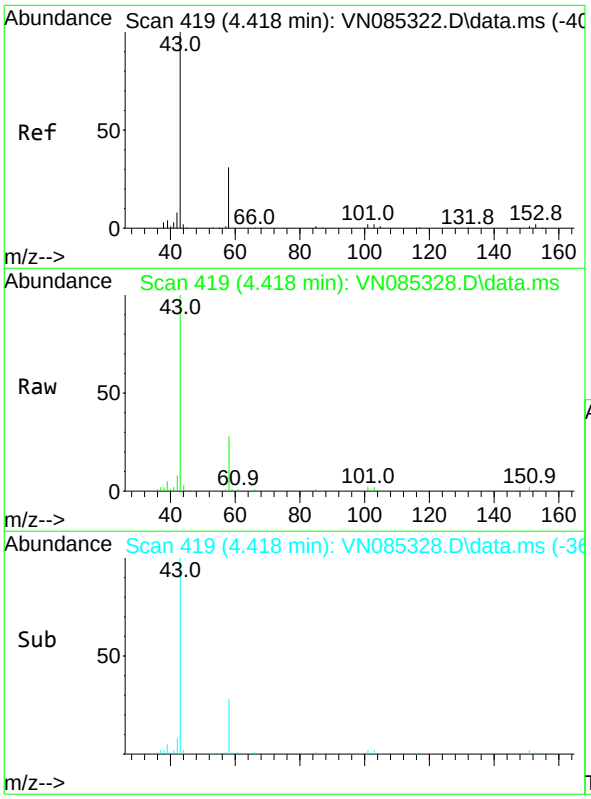
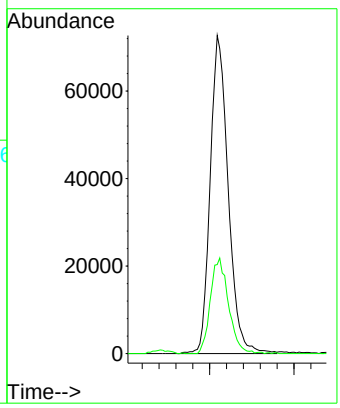
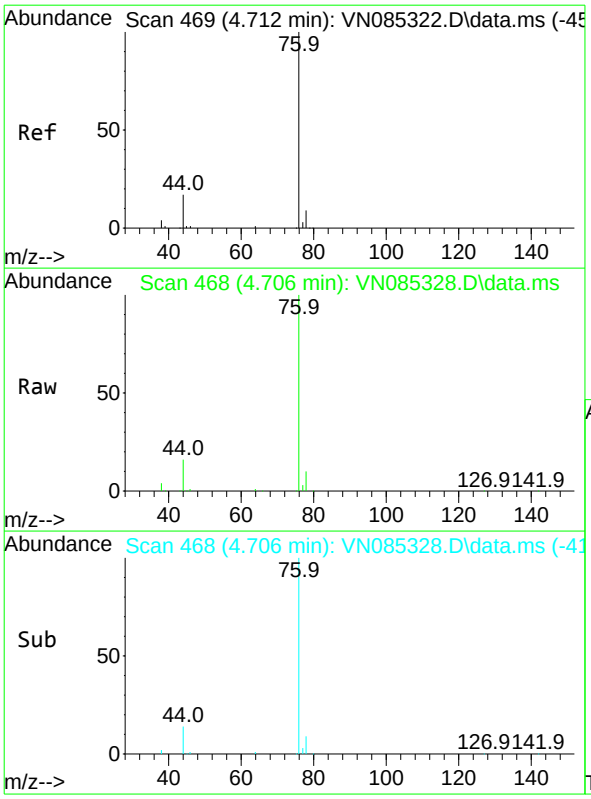


#16
Acetone
Concen: 279.767 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 215365

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.5	36.7

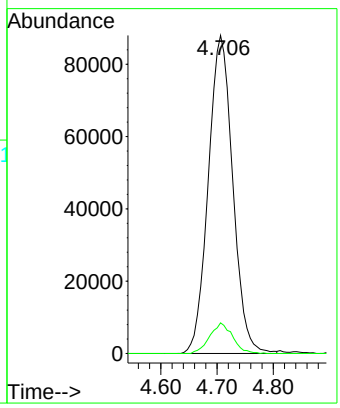




#17
Carbon Disulfide
Concen: 47.961 ug/l
RT: 4.706 min Scan# 46
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 76 Resp: 266129

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
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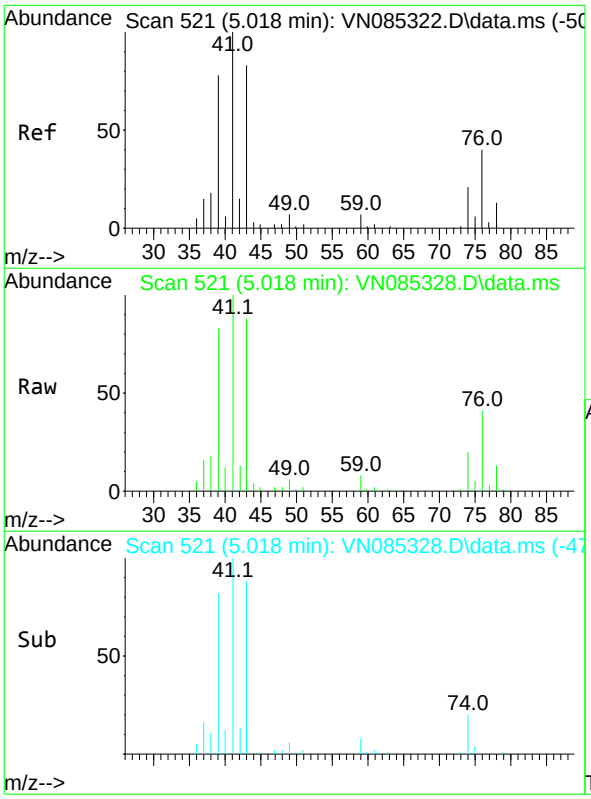
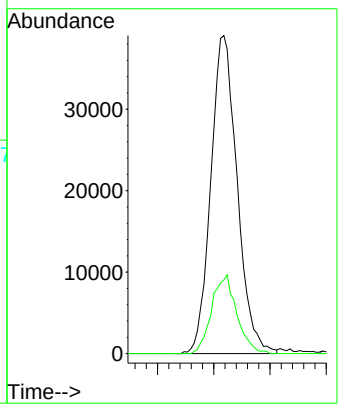
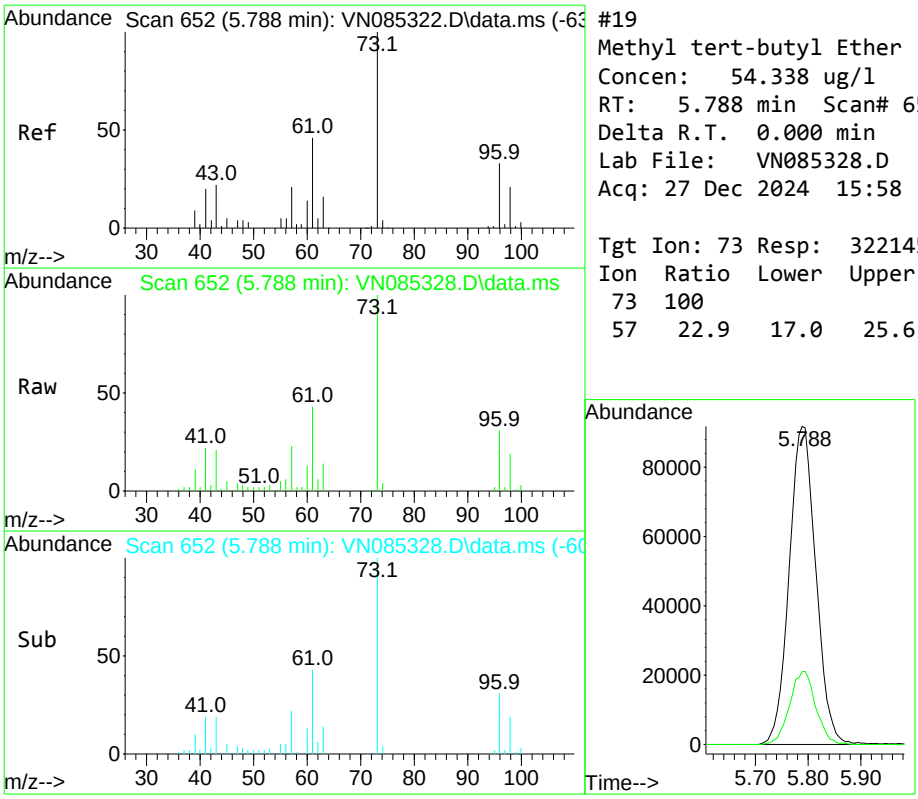


#18
Methyl Acetate
Concen: 53.913 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 127062

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.0	28.6





#19
Methyl tert-butyl Ether
Concen: 54.338 ug/l
RT: 5.788 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 73 Resp: 322145

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.0	25.6

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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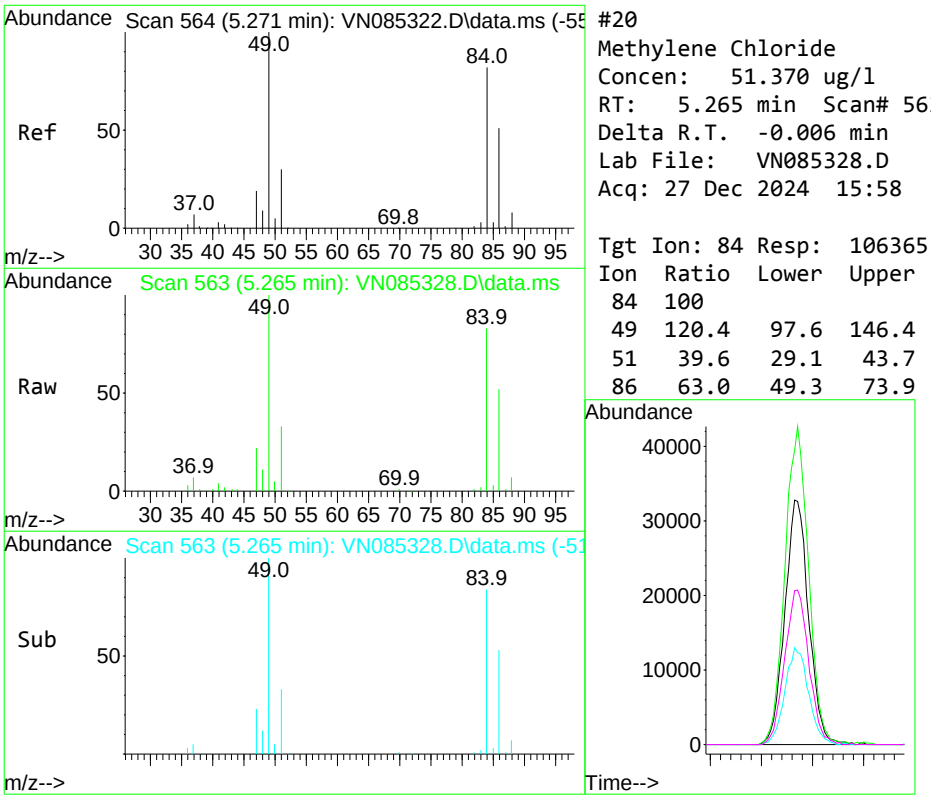
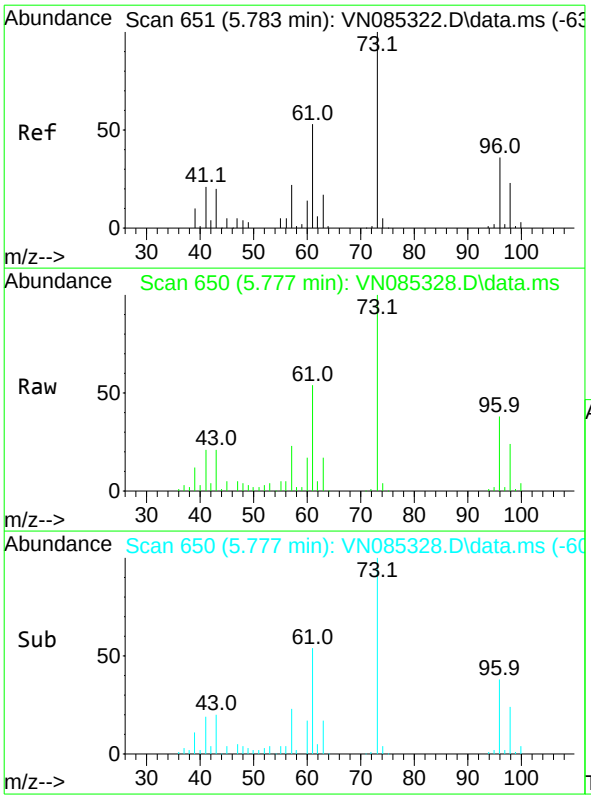


#20
Methylene Chloride
Concen: 51.370 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 84 Resp: 106365

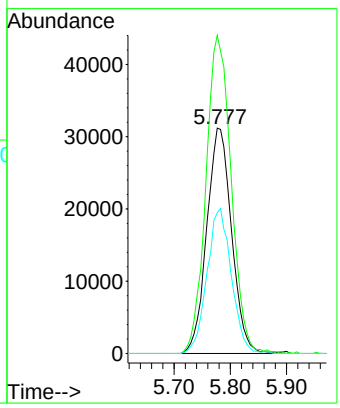
Ion	Ratio	Lower	Upper
84	100		
49	120.4	97.6	146.4
51	39.6	29.1	43.7
86	63.0	49.3	73.9



#21
trans-1,2-Dichloroethene
Concen: 50.262 ug/l
RT: 5.777 min Scan# 65
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 96 Resp: 95767

Ion	Ratio	Lower	Upper
96	100		
61	141.1	118.0	177.0
98	62.5	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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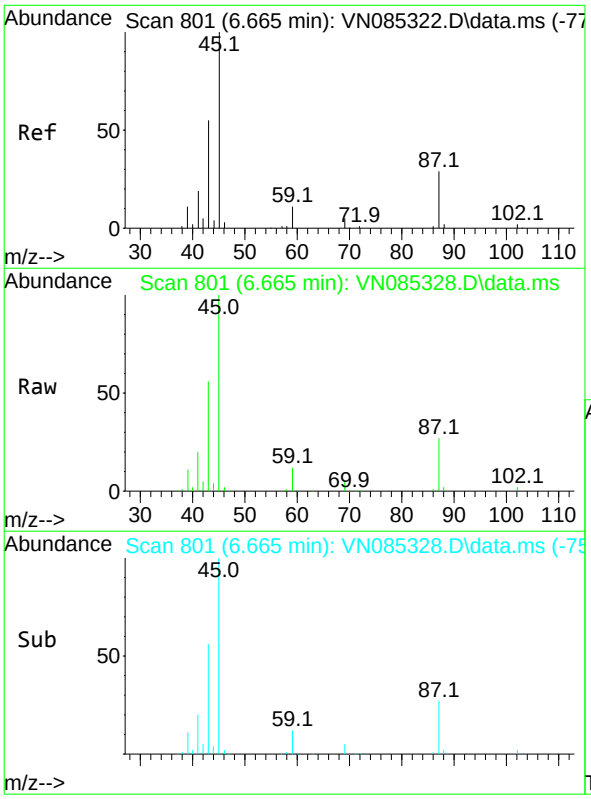
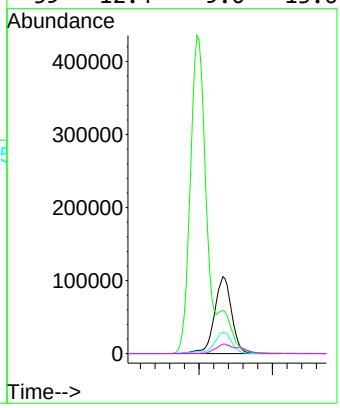
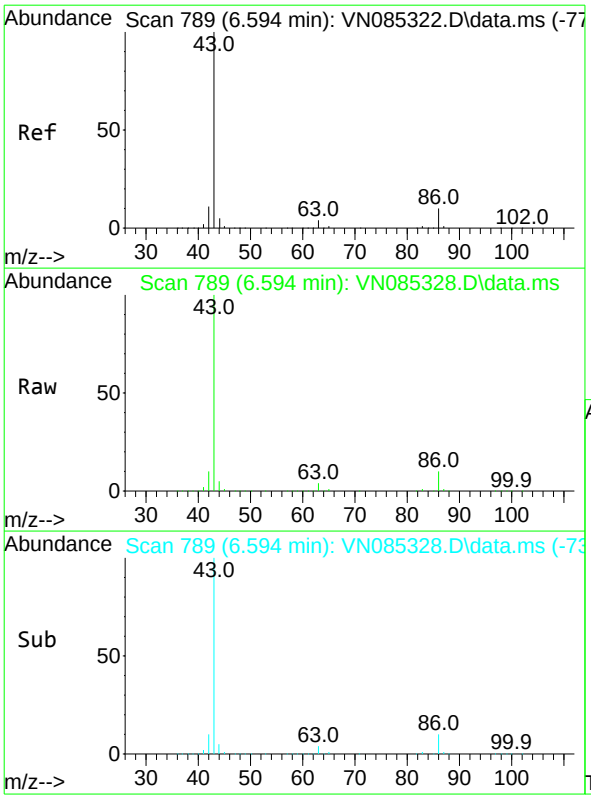


#22
Diisopropyl ether
Concen: 54.277 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 45 Resp: 341434

Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.1	66.1
87	27.4	23.2	34.8
59	12.4	9.0	13.6

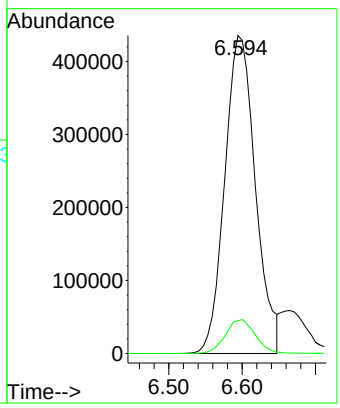




#23
Vinyl Acetate
Concen: 278.352 ug/l
RT: 6.594 min Scan# 78
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 1266714

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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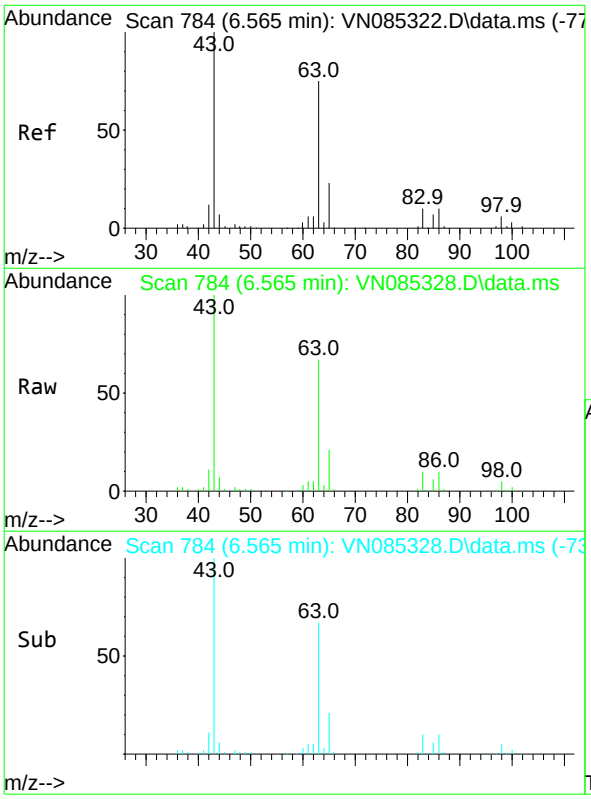
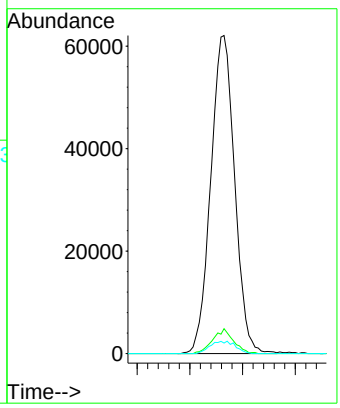
Supervised By :Mahesh Dadoda 12/30/2024

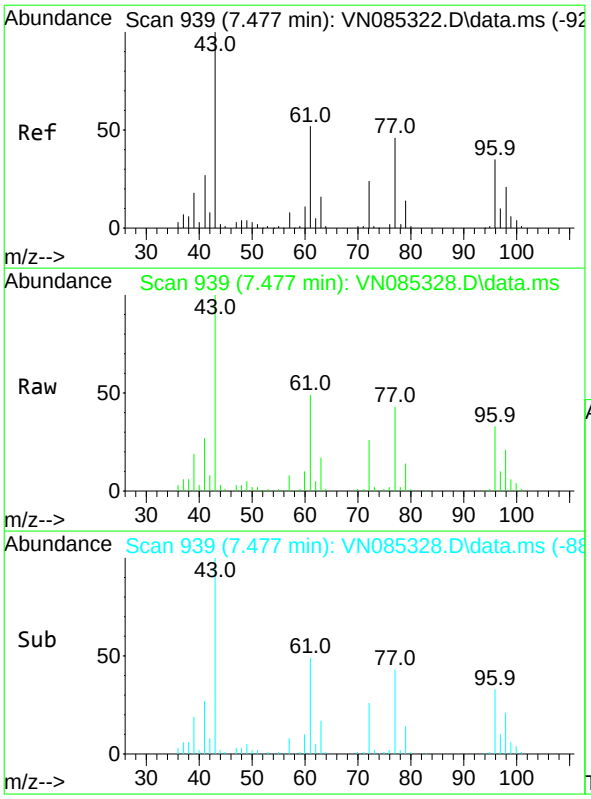


#24
1,1-Dichloroethane
Concen: 51.577 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 63 Resp: 195446

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.7	11.1
100	3.3	2.3	6.8

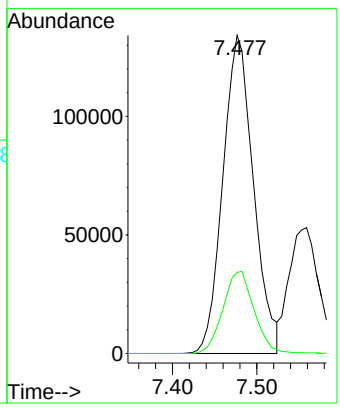




#25
2-Butanone
Concen: 283.341 ug/l
RT: 7.477 min Scan# 93
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 338384

Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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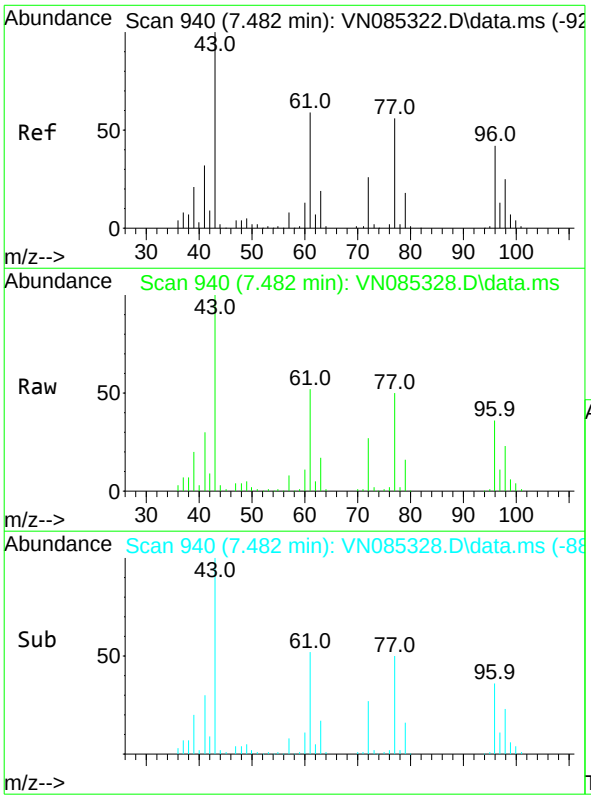
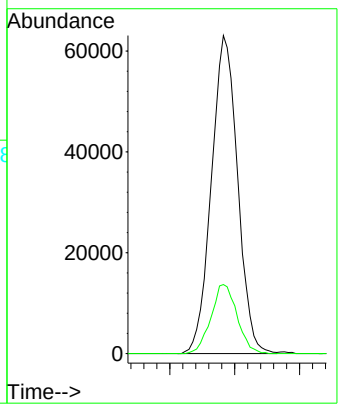
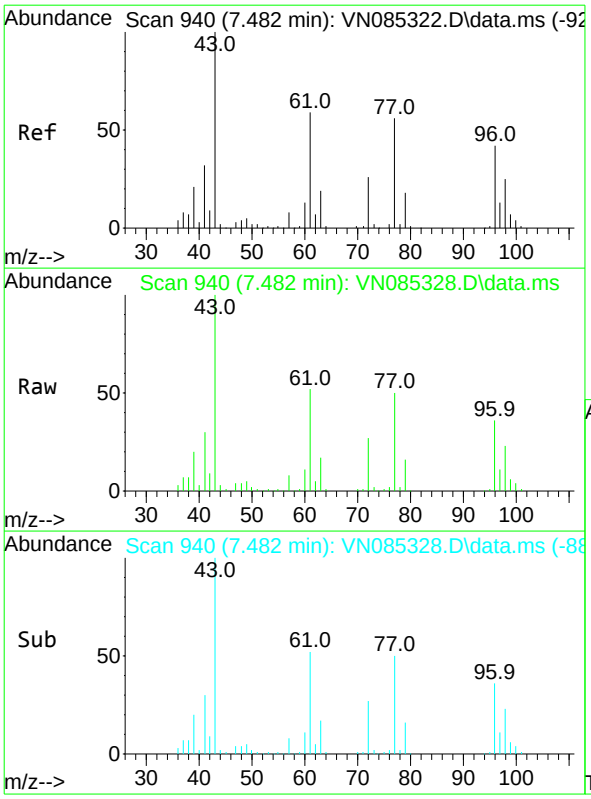


#26
2,2-Dichloropropane
Concen: 53.283 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 77 Resp: 176896

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.6	31.8

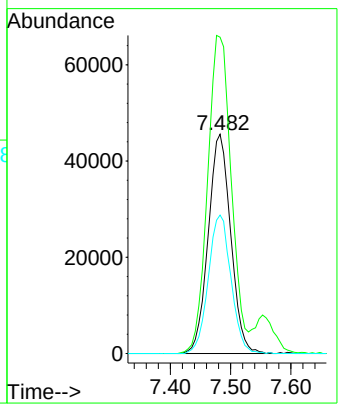




#27
cis-1,2-Dichloroethene
Concen: 52.846 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 96 Resp: 118182

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	296.4
98	63.6	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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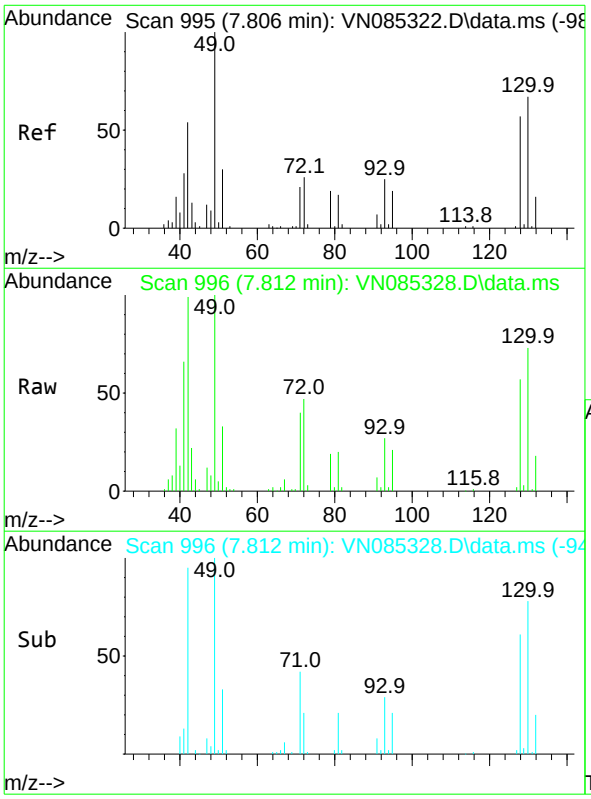
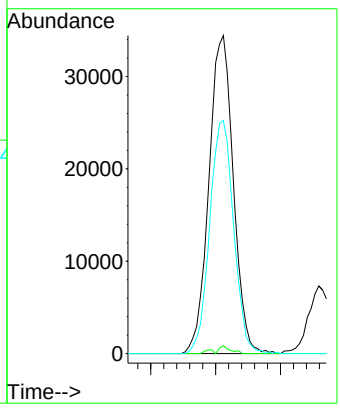
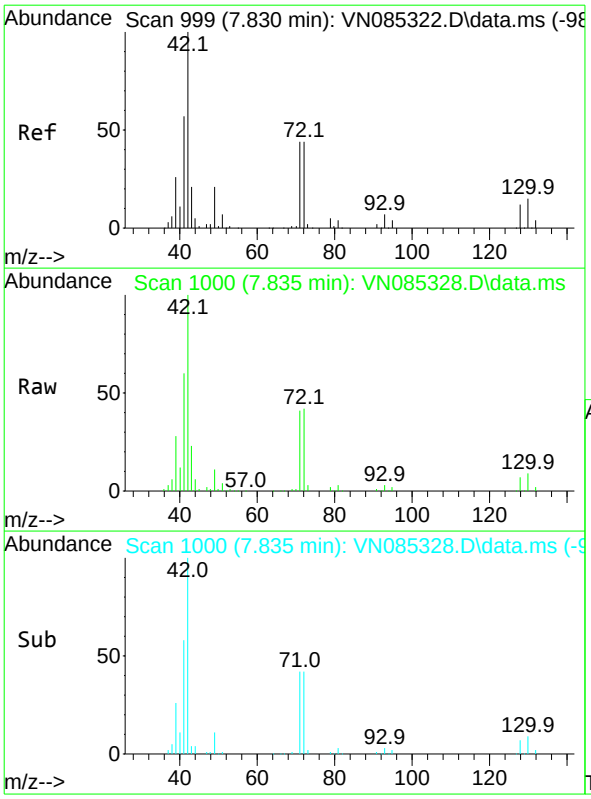


#28
Bromochloromethane
Concen: 51.112 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 49 Resp: 90008

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	71.9	0.0	0.0#

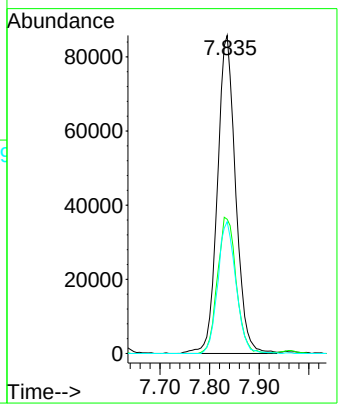




#29
Tetrahydrofuran
Concen: 283.909 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 42 Resp: 218407

Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.1	52.7
71	41.4	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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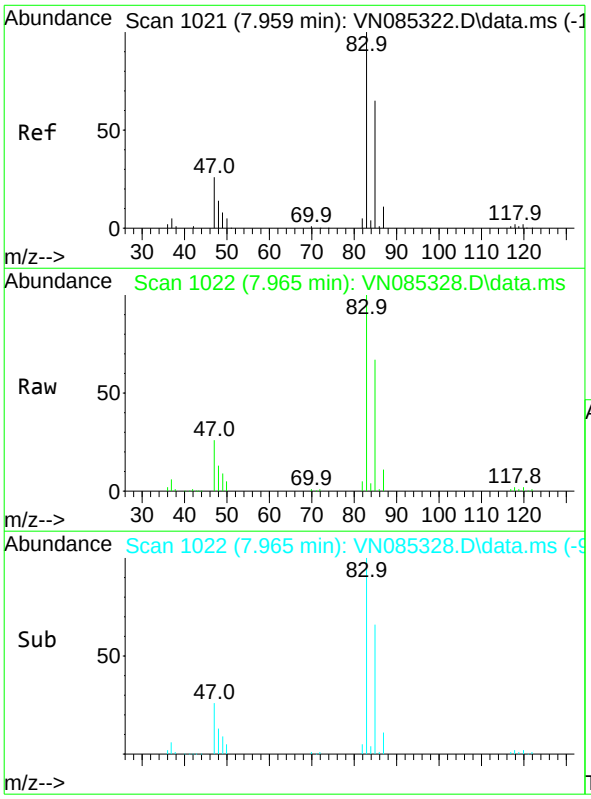
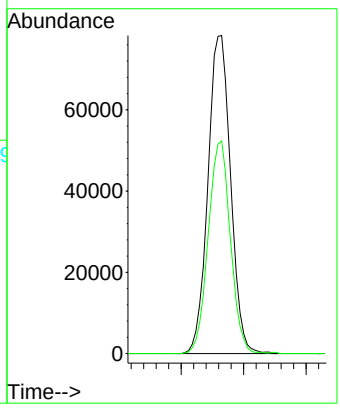
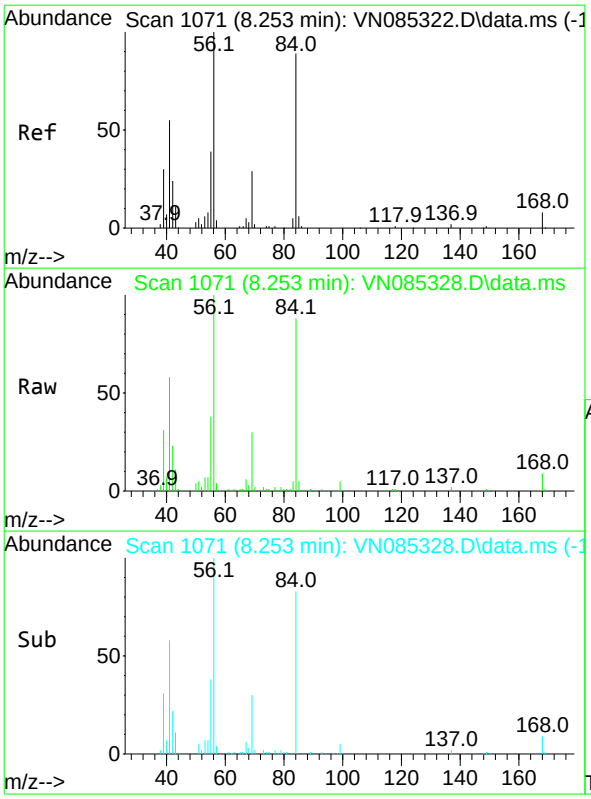


#30
Chloroform
Concen: 50.890 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 83 Resp: 197287

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.0	78.0

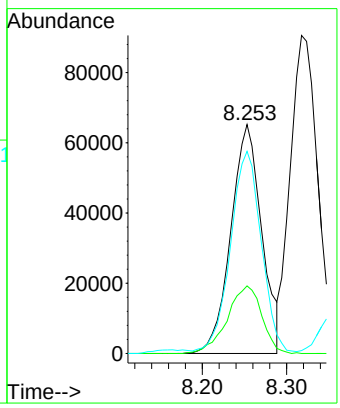




#31
Cyclohexane
Concen: 47.956 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 56 Resp: 165938

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.0
84	87.0	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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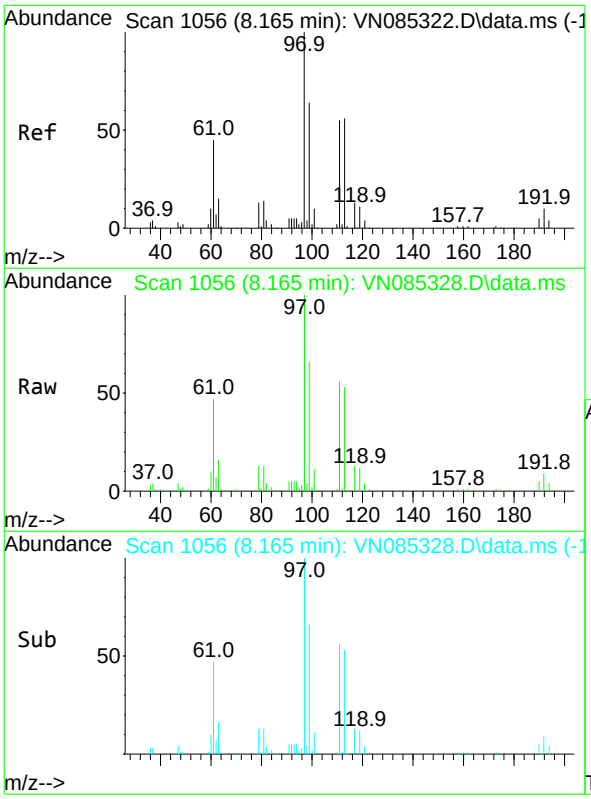
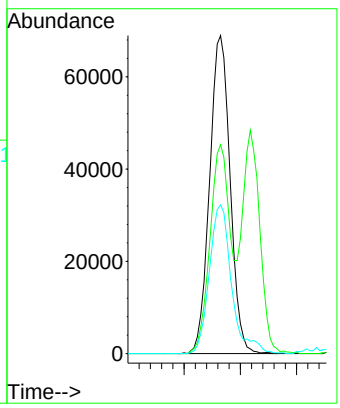
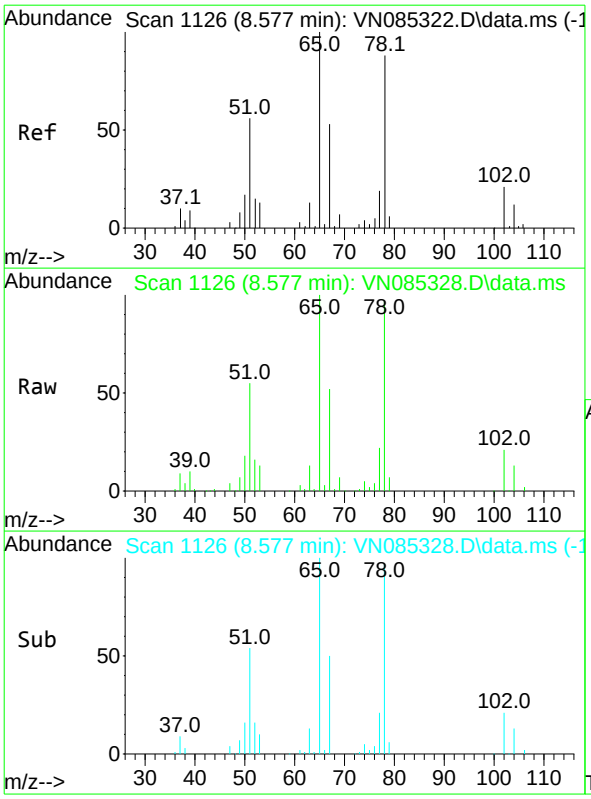


#32
1,1,1-Trichloroethane
Concen: 50.333 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 97 Resp: 174266

Ion	Ratio	Lower	Upper
97	100		
99	67.2	53.3	79.9
61	50.8	39.6	59.4

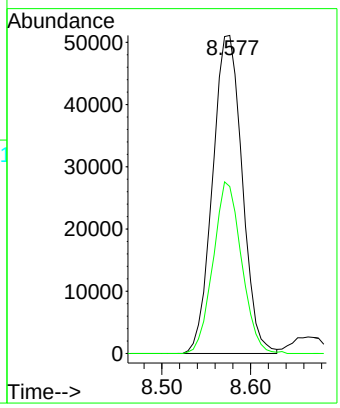




#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 65 Resp: 118332

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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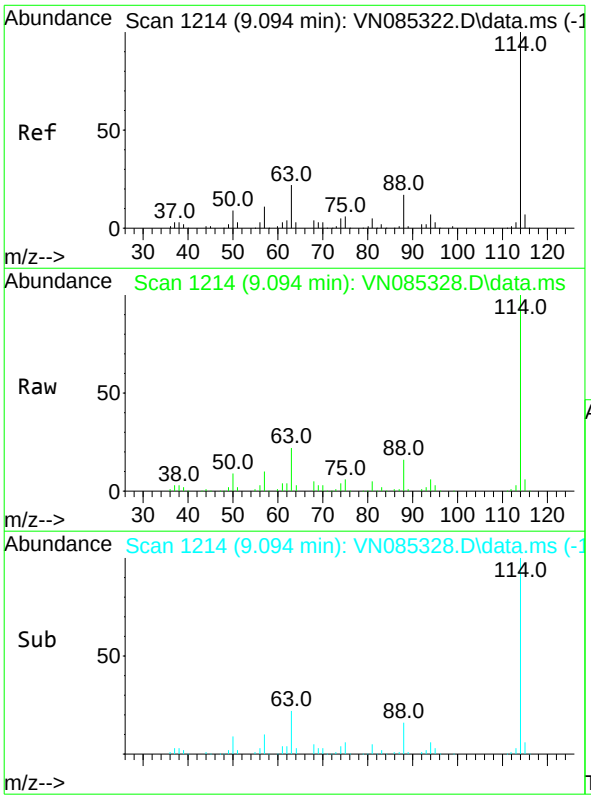
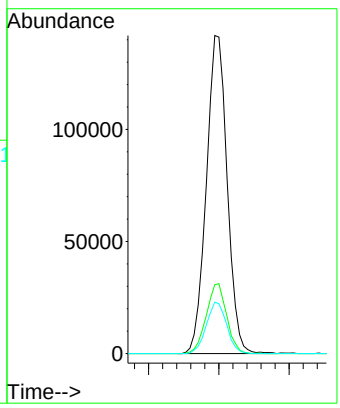
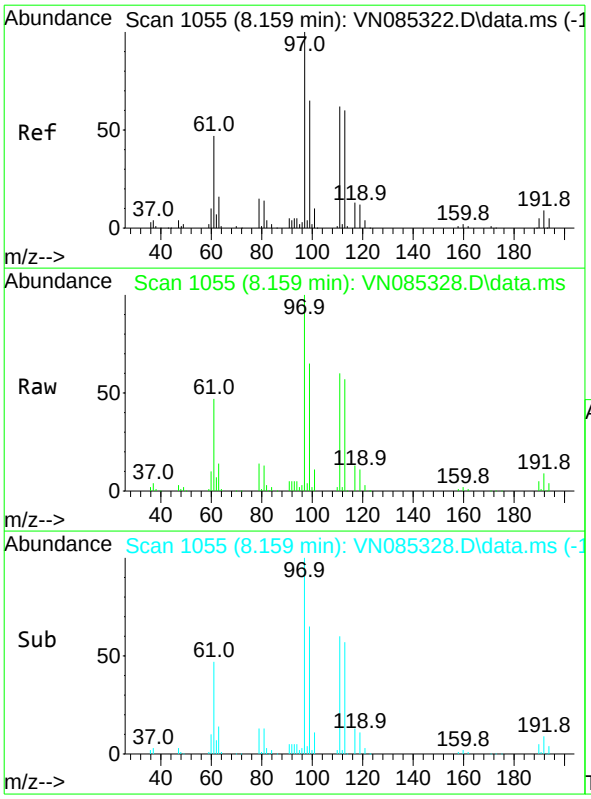


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:114 Resp: 292504

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.2	0.0	33.6

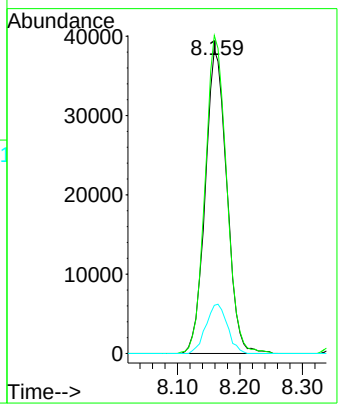




#35
Dibromofluoromethane
Concen: 50.398 ug/l
RT: 8.159 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:113 Resp: 91966

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.5	120.7
192	16.1	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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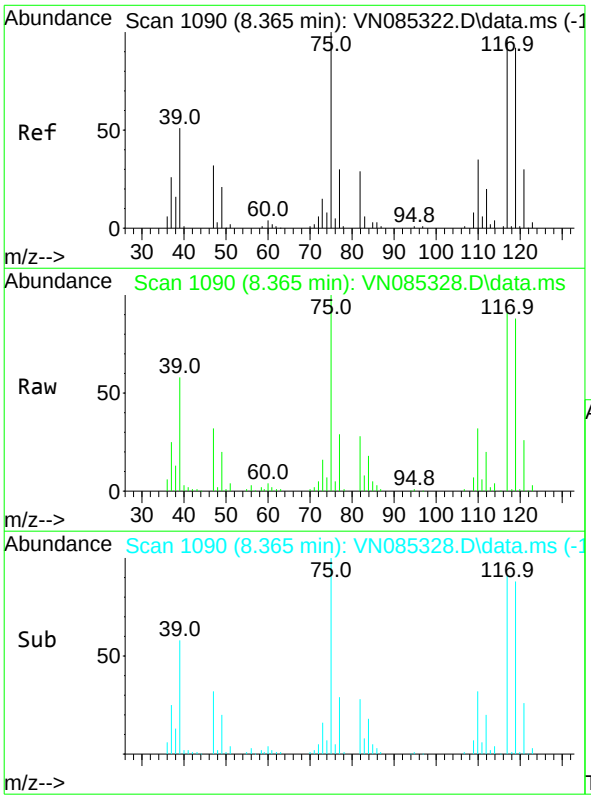
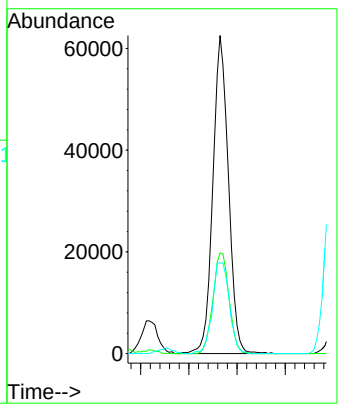
Supervised By :Mahesh Dadoda 12/30/2024

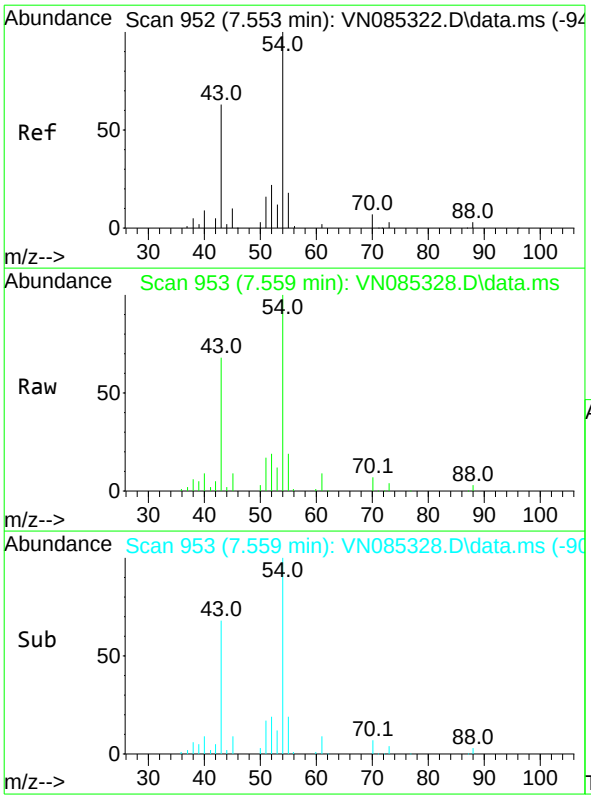


#36
1,1-Dichloropropene
Concen: 52.447 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 140127

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.8
77	31.2	24.3	36.5

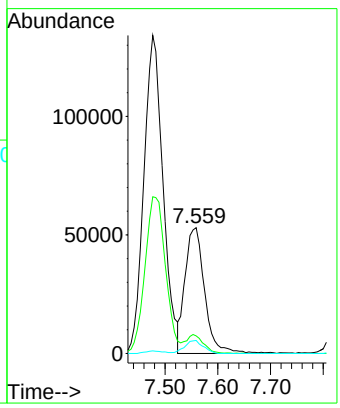




#37
Ethyl Acetate
Concen: 51.666 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 137205

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.7	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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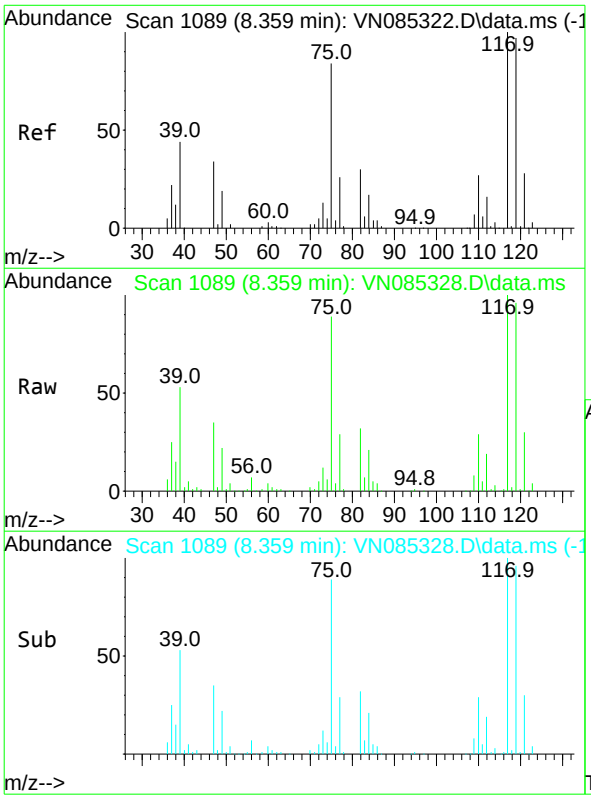
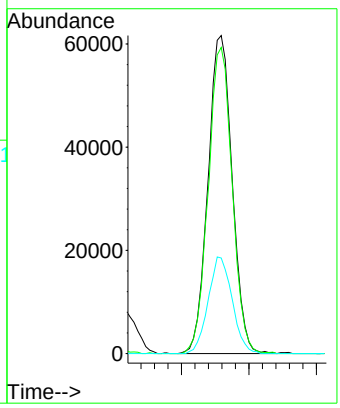
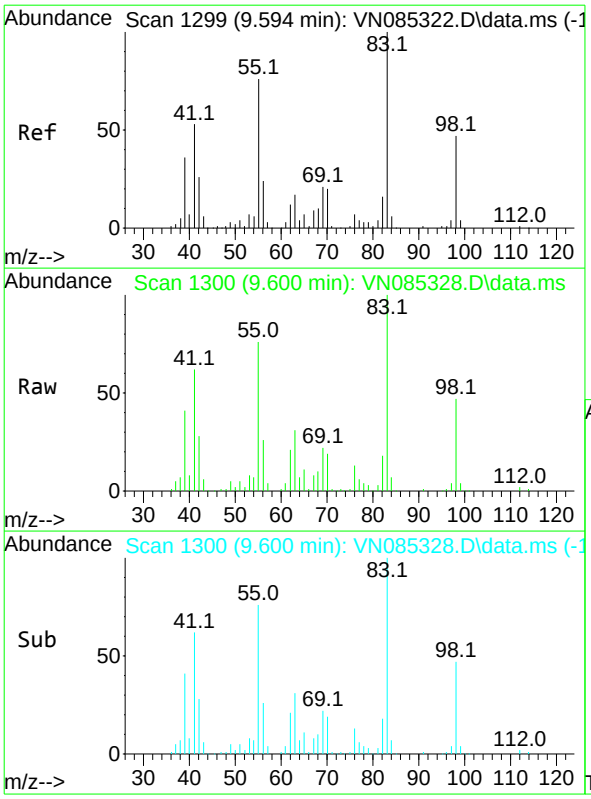


#38
Carbon Tetrachloride
Concen: 52.672 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:117 Resp: 153395

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.6
121	30.0	22.5	33.7

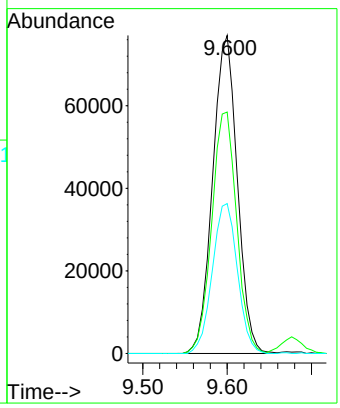




#39
Methylcyclohexane
Concen: 56.501 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 83 Resp: 156627

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.1	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
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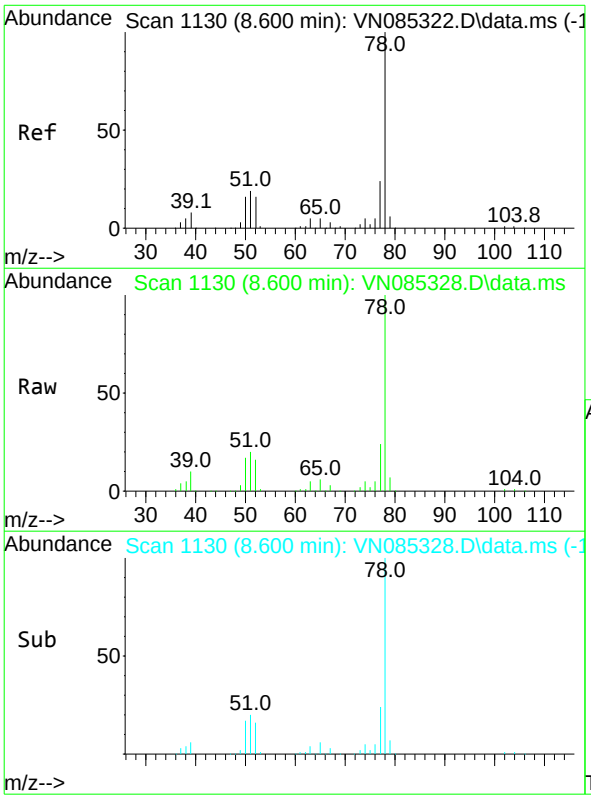
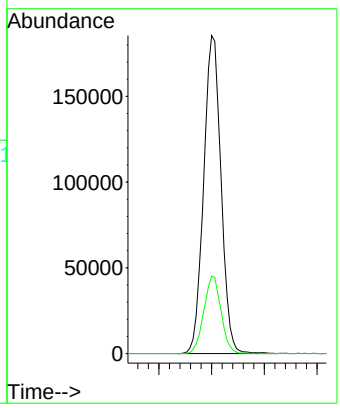
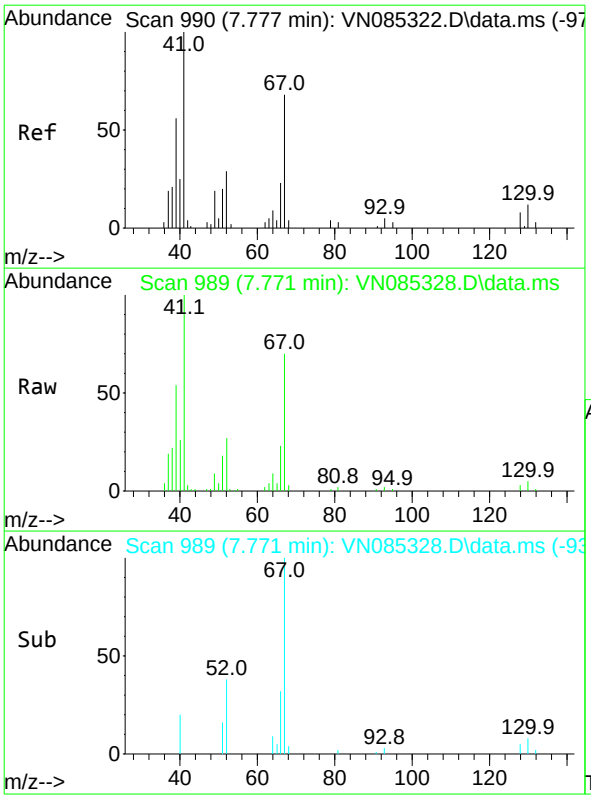


#40
Benzene
Concen: 52.550 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 78 Resp: 424501

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4

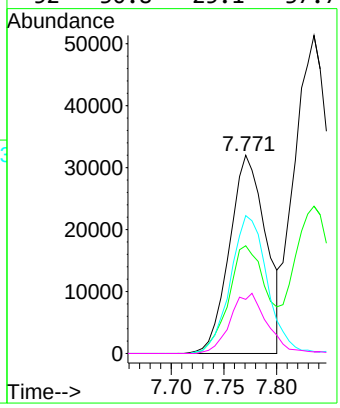




#41
Methacrylonitrile
Concen: 56.677 ug/l
RT: 7.771 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 41 Resp: 77084

Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.8	68.8
67	70.2	57.1	85.7
52	30.8	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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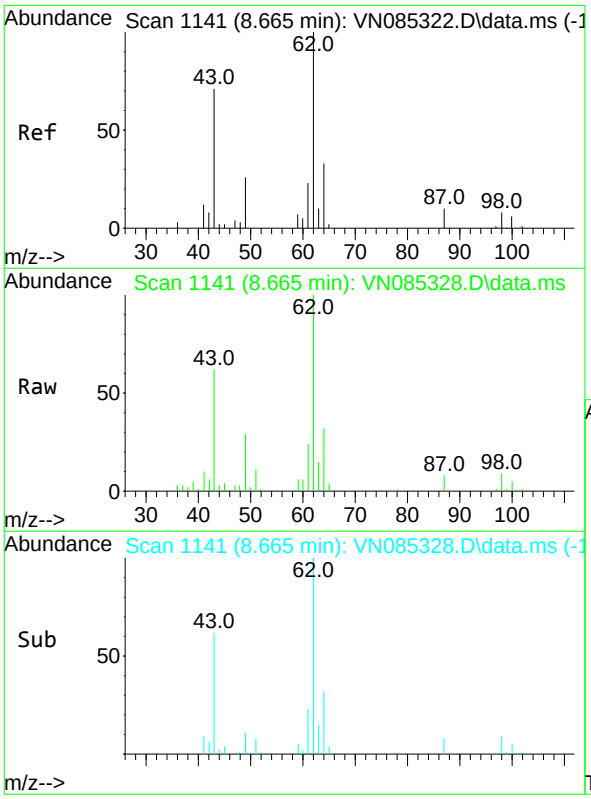
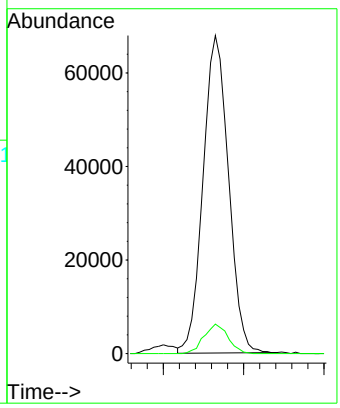
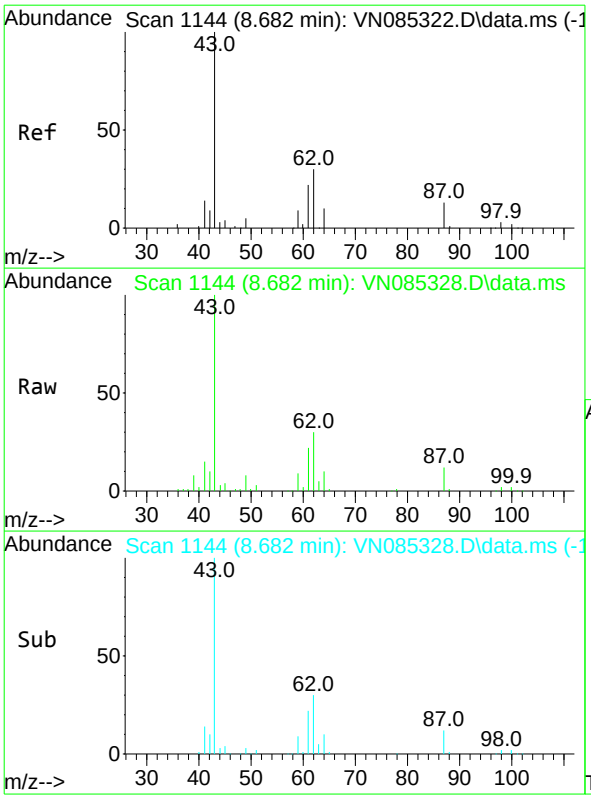


#42
1,2-Dichloroethane
Concen: 51.568 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 62 Resp: 149352

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

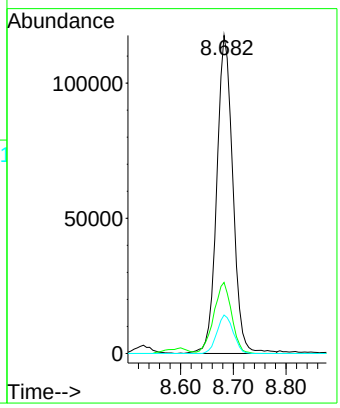




#43
Isopropyl Acetate
Concen: 56.953 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 249040

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.8	31.2
87	12.2	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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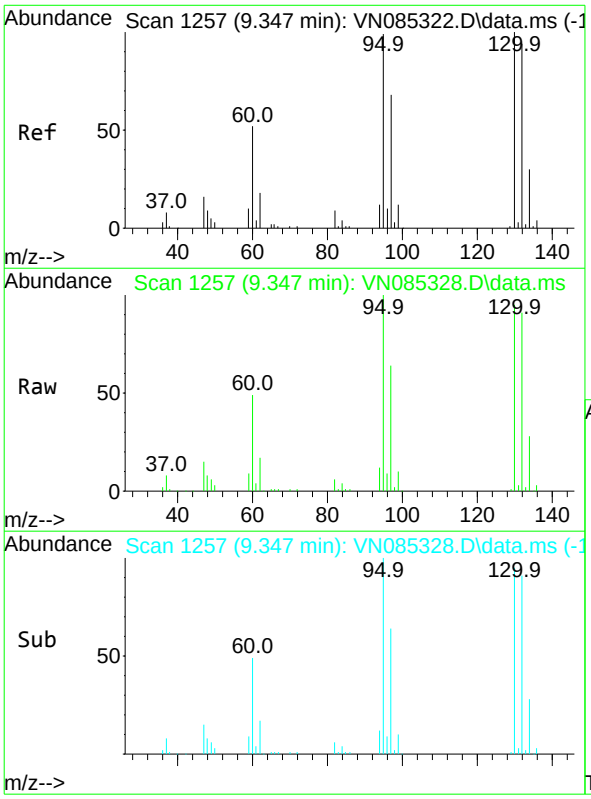
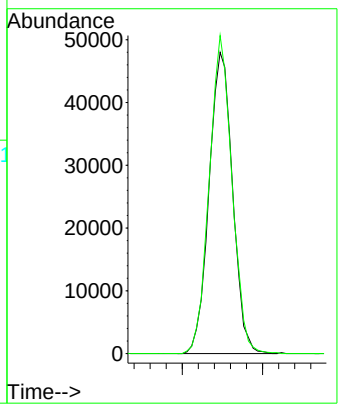
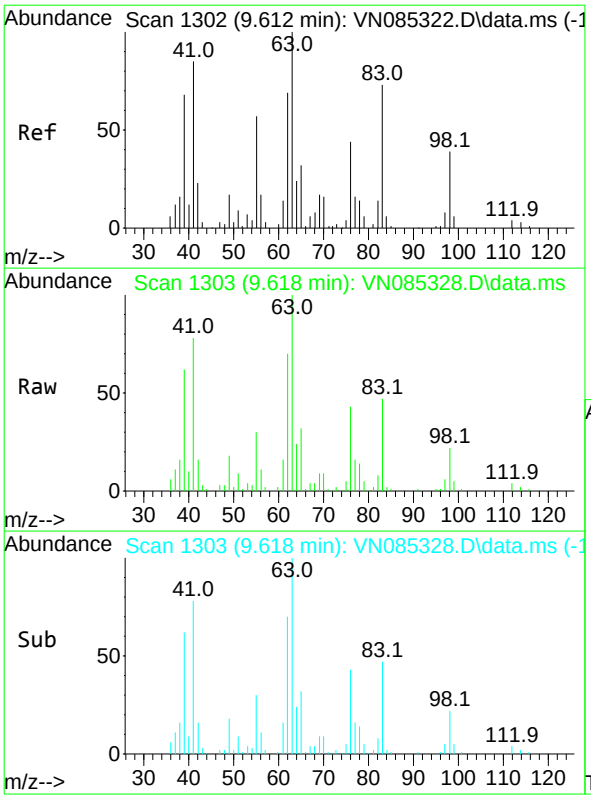


#44
Trichloroethene
Concen: 50.930 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:130 Resp: 97403

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	197.8

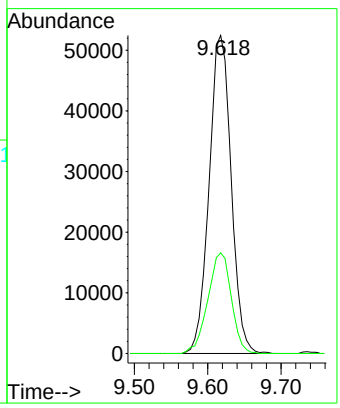




#45
1,2-Dichloropropane
Concen: 53.441 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 63 Resp: 109589

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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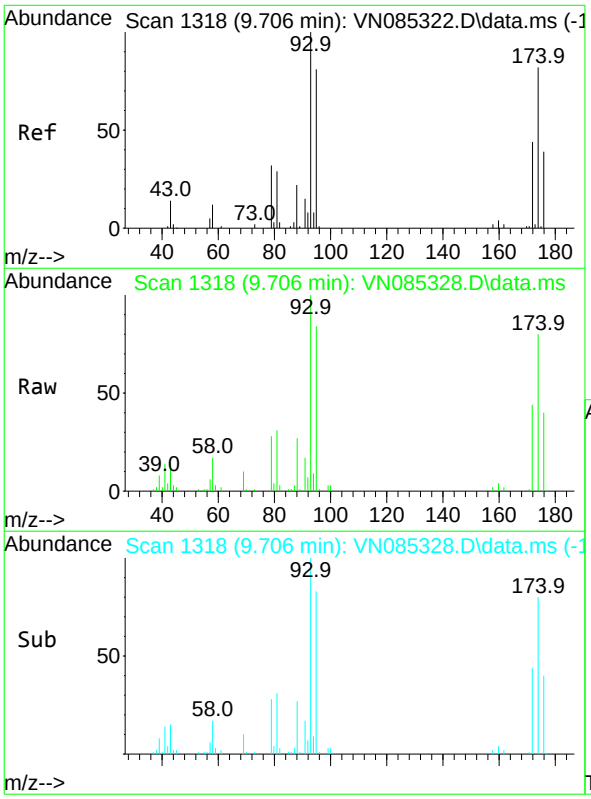
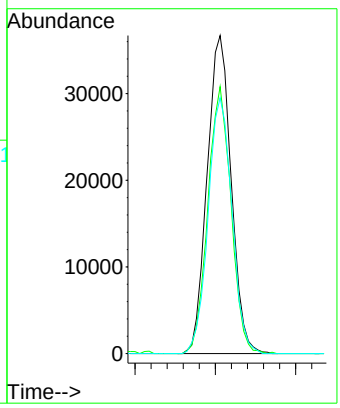
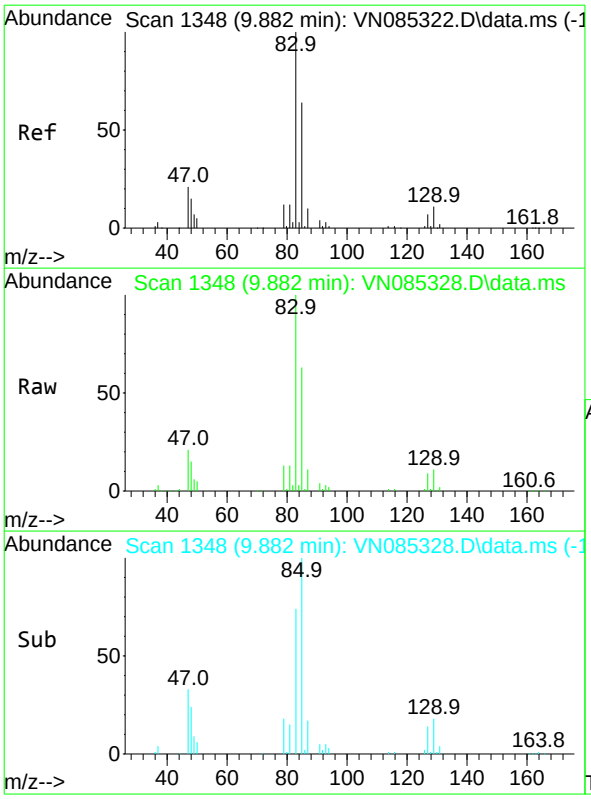


#46
Dibromomethane
Concen: 53.491 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 93 Resp: 76287

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.3	97.9
174	79.7	66.4	99.6

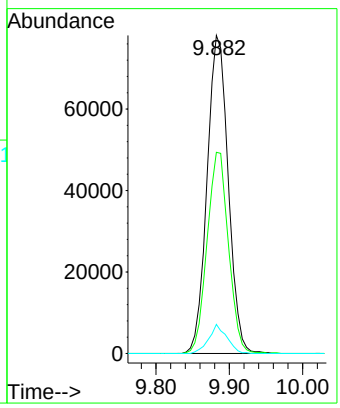




#47
Bromodichloromethane
Concen: 52.728 ug/l
RT: 9.882 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 83 Resp: 156297

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4
127	9.2	5.8	8.6#



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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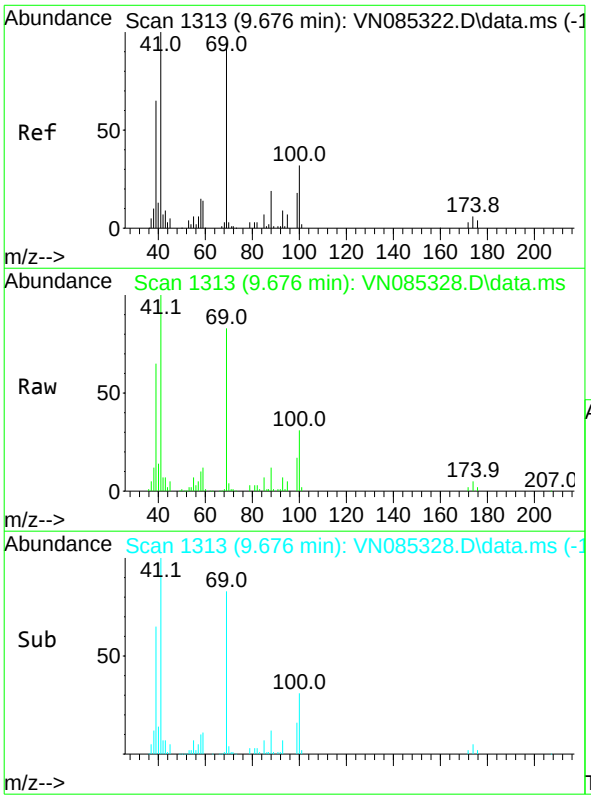
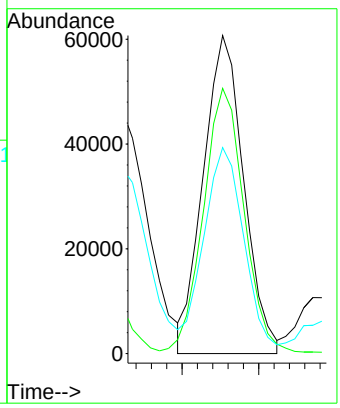
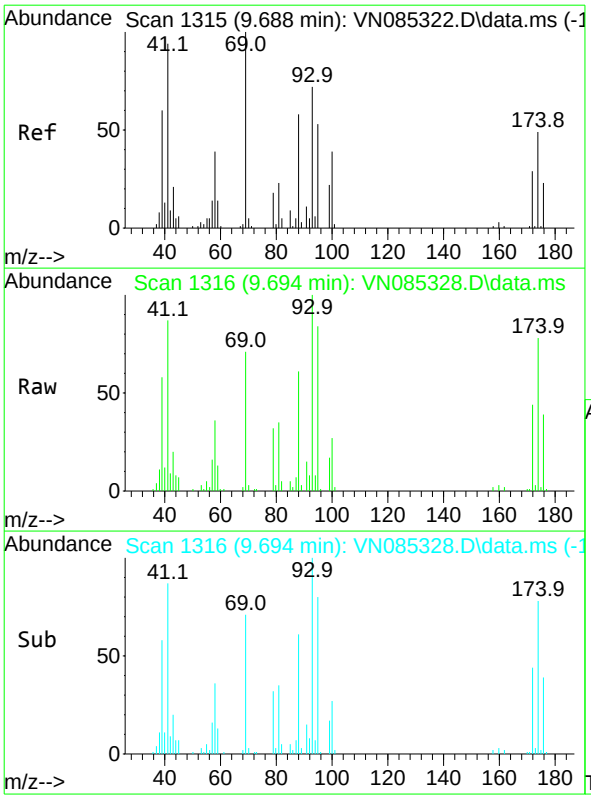


#48
Methyl methacrylate
Concen: 58.590 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 41 Resp: 111168

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.7	101.5
39	64.9	51.2	76.8

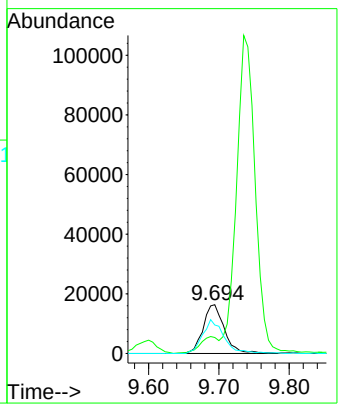




#49
1,4-Dioxane
Concen: 1197.029 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 88 Resp: 34268

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.1	33.1
58	70.6	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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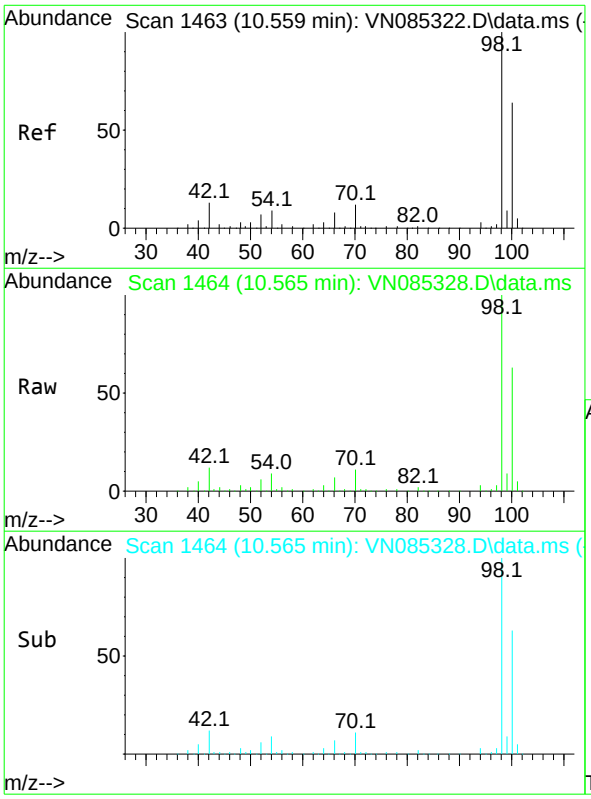
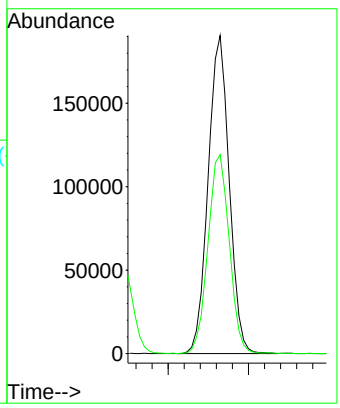
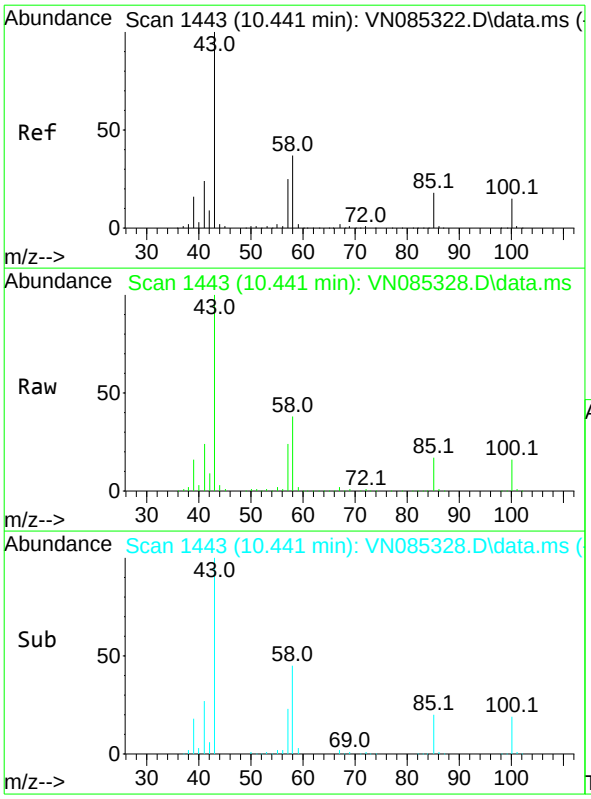


#50
Toluene-d8
Concen: 51.871 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 98 Resp: 347336

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

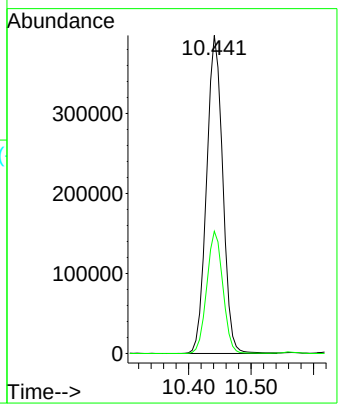




#51
4-Methyl-2-Pentanone
Concen: 290.641 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 714200

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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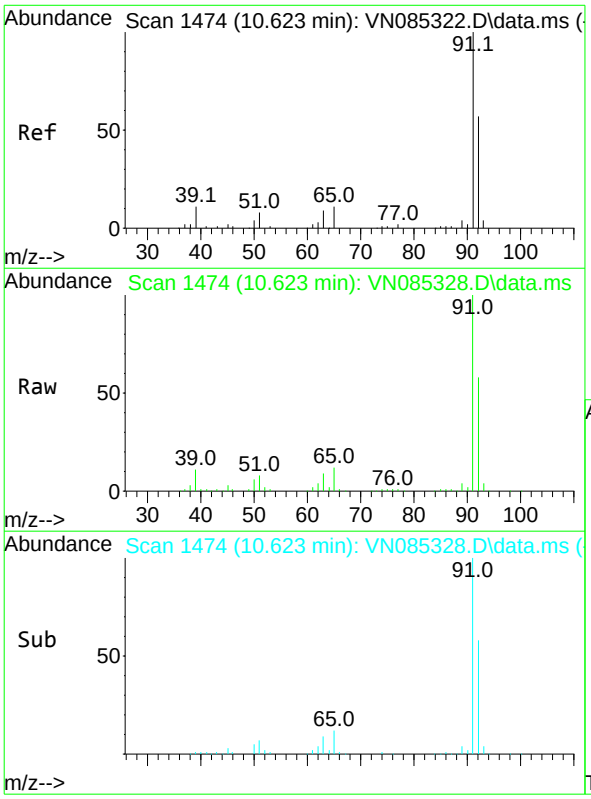
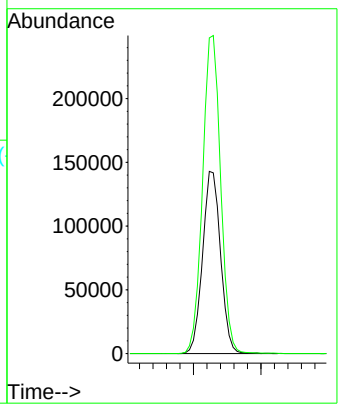
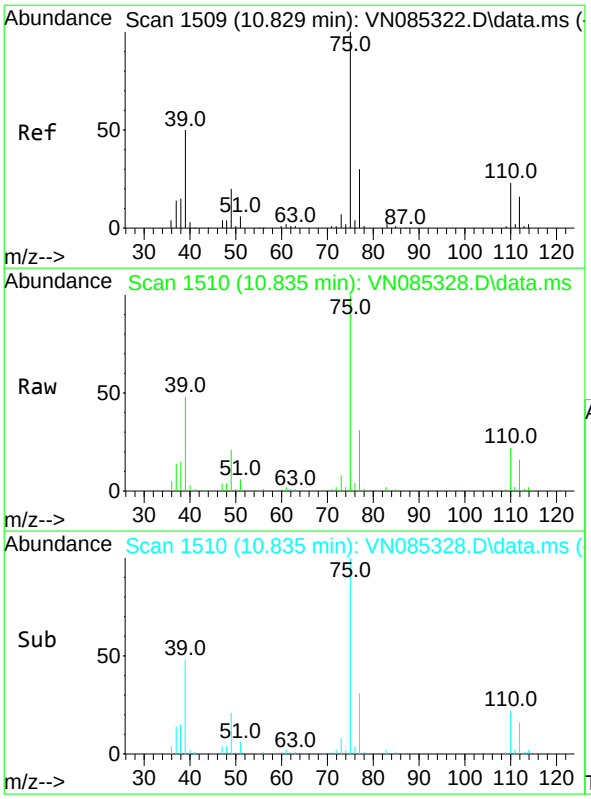


#52
Toluene
Concen: 54.941 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 92 Resp: 264263

Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.2	210.4

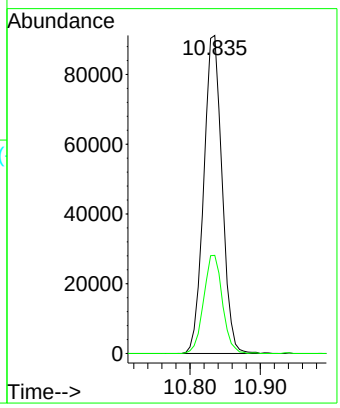




#53
t-1,3-Dichloropropene
Concen: 56.497 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 164691

Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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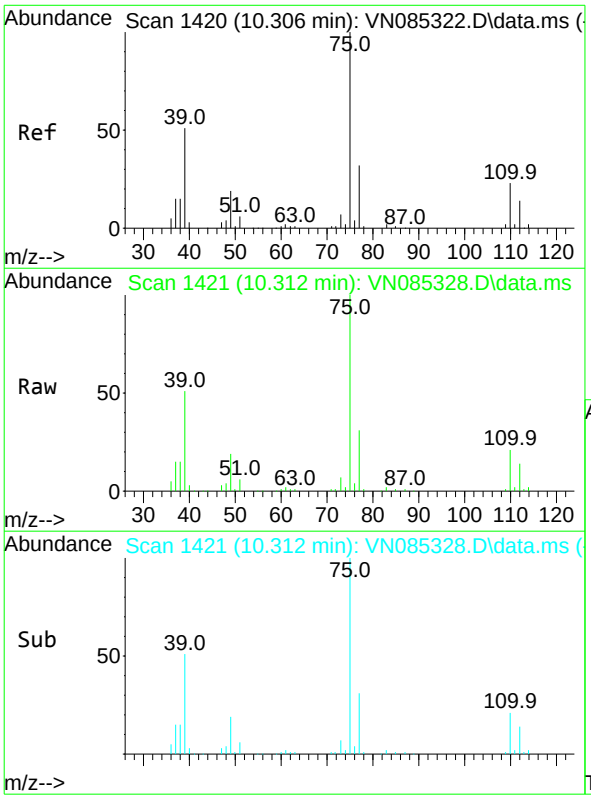
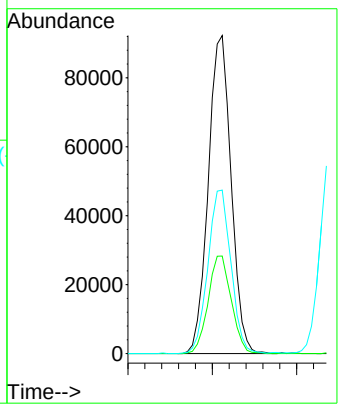
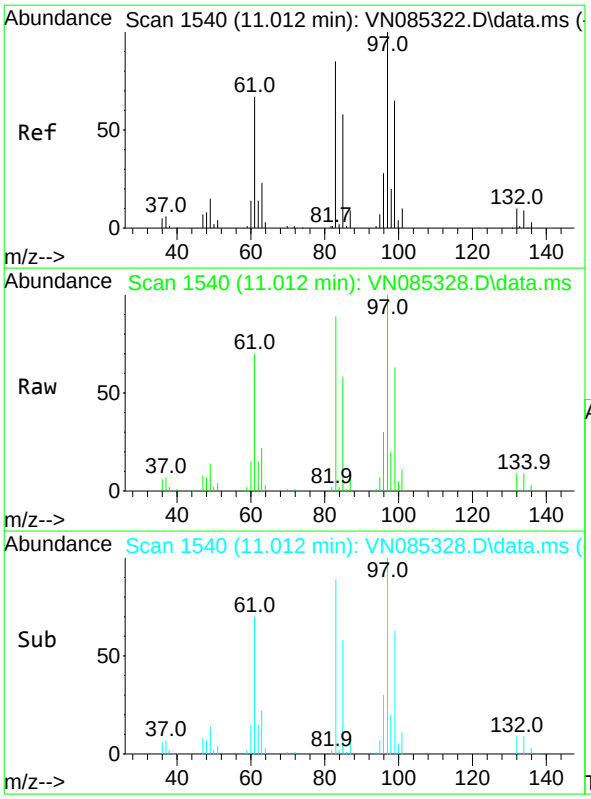


#54
cis-1,3-Dichloropropene
Concen: 55.040 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 173493

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	51.4	40.5	60.7

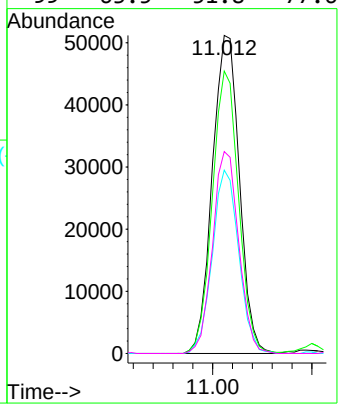




#55
1,1,2-Trichloroethane
Concen: 53.314 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 97 Resp: 96817

Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.7	101.5
85	57.7	46.2	69.4
99	63.5	51.8	77.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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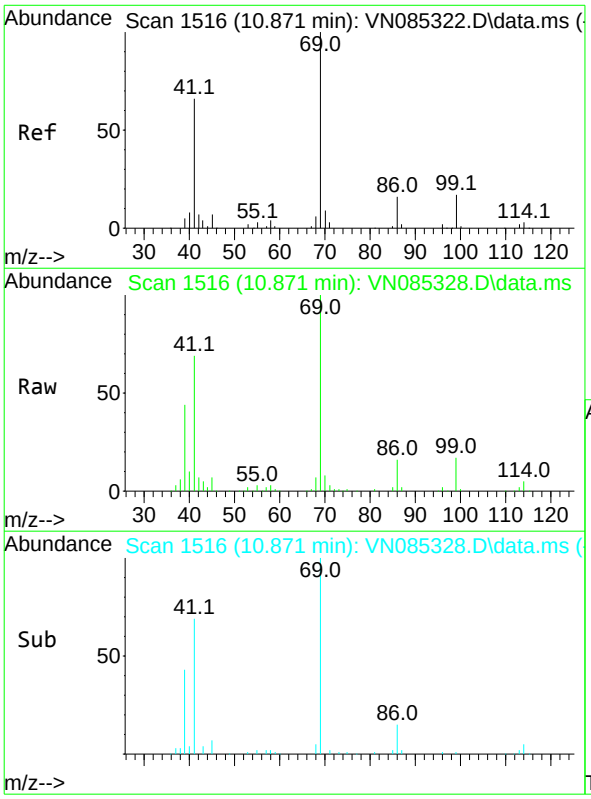
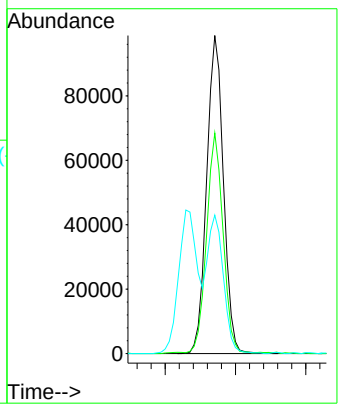
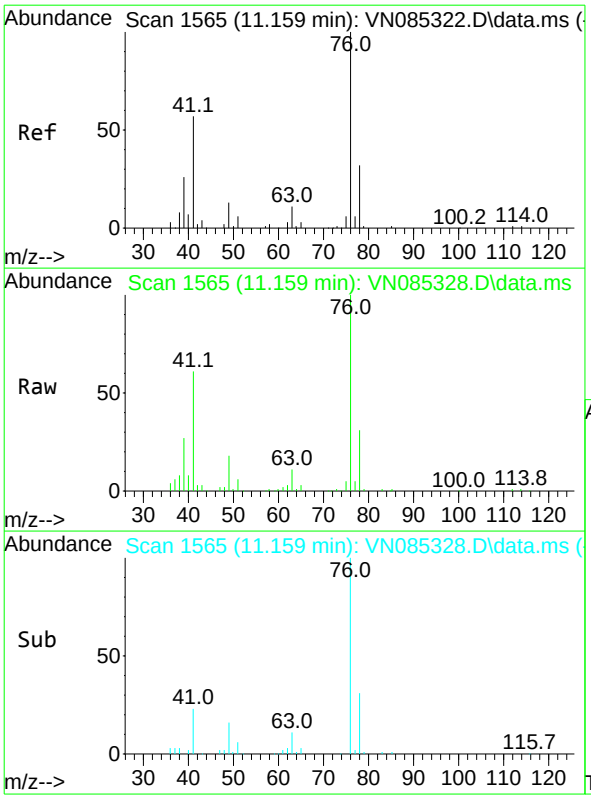


#56
Ethyl methacrylate
Concen: 61.733 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 69 Resp: 163272

Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.3	81.5
39	41.9	32.0	48.0

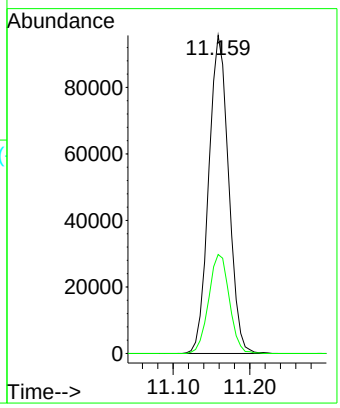




#57
1,3-Dichloropropane
Concen: 54.020 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 76 Resp: 172176

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



Instrument :
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ClientSampleId :
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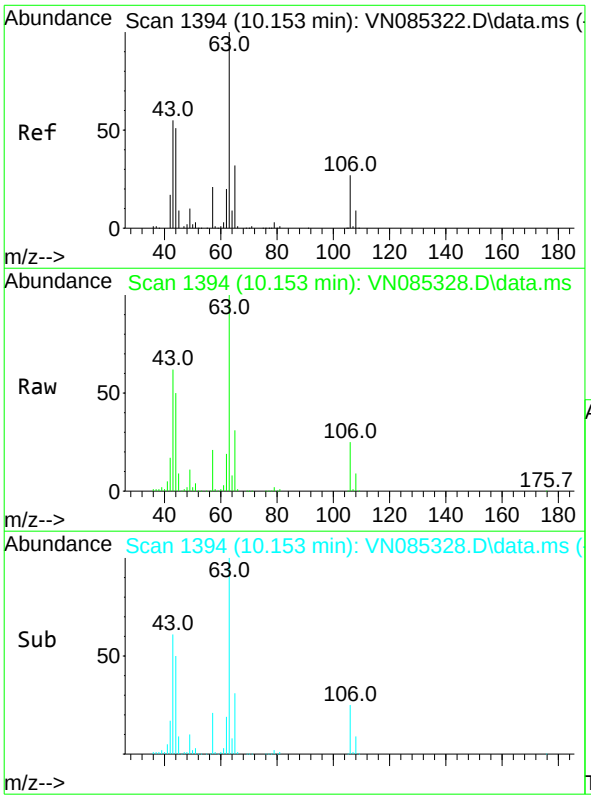
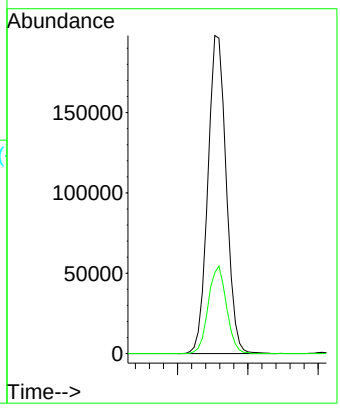
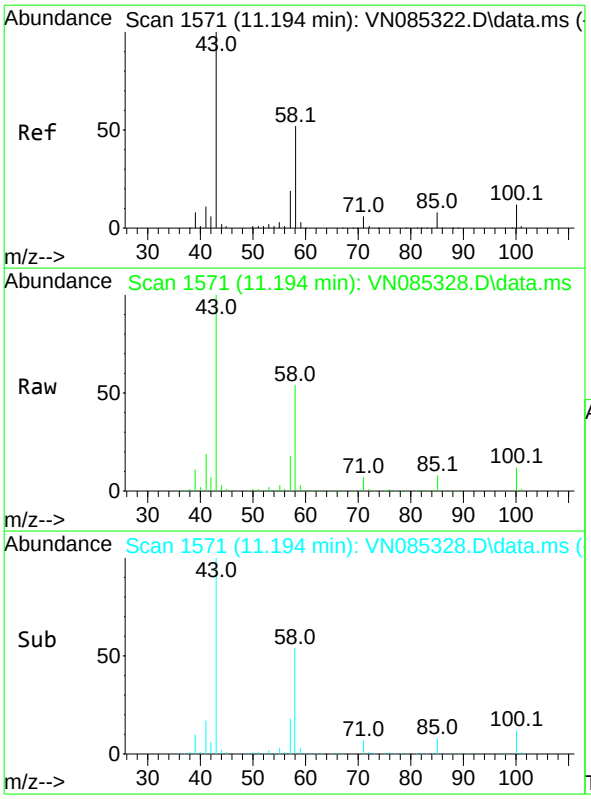


#58
2-Chloroethyl Vinyl ether
Concen: 280.905 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 63 Resp: 359446

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.1	33.1

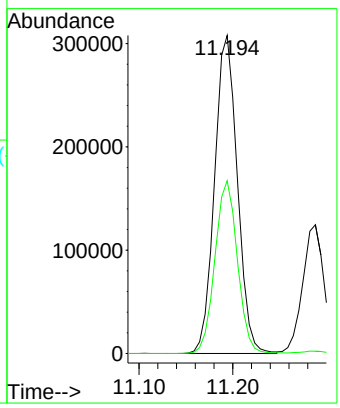




#59
2-Hexanone
Concen: 304.633 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 519370

Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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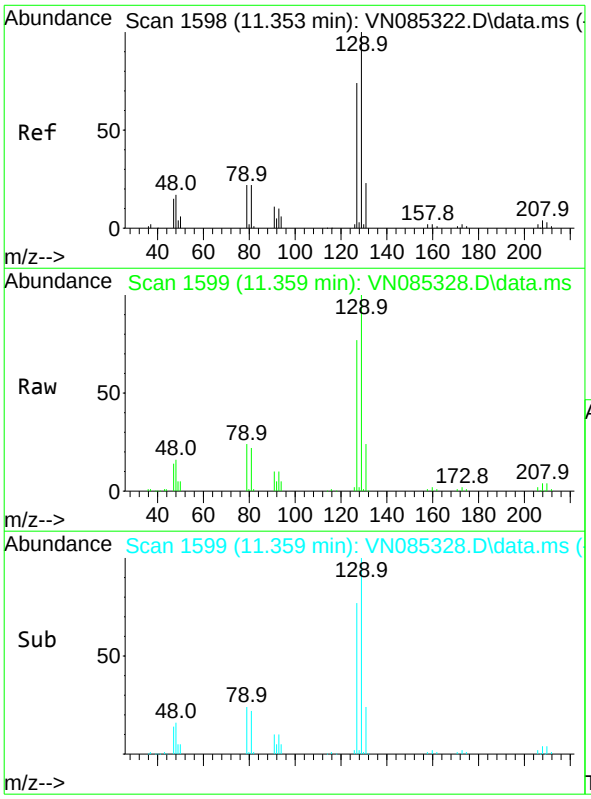
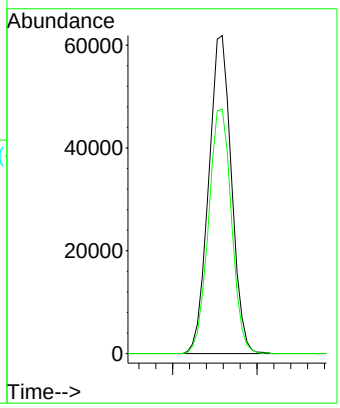
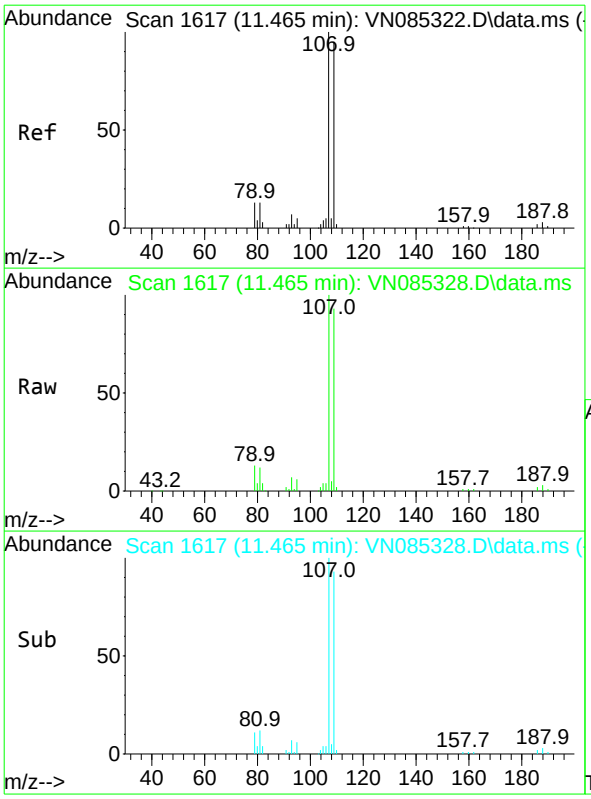


#60
Dibromochloromethane
Concen: 56.856 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:129 Resp: 116293

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9

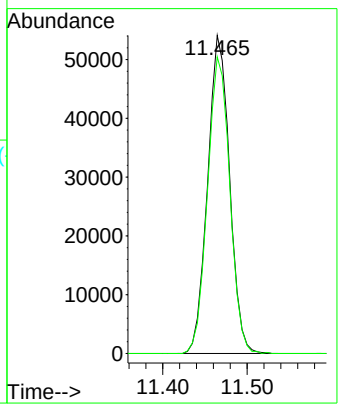




#61
1,2-Dibromoethane
Concen: 54.445 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:107 Resp: 97817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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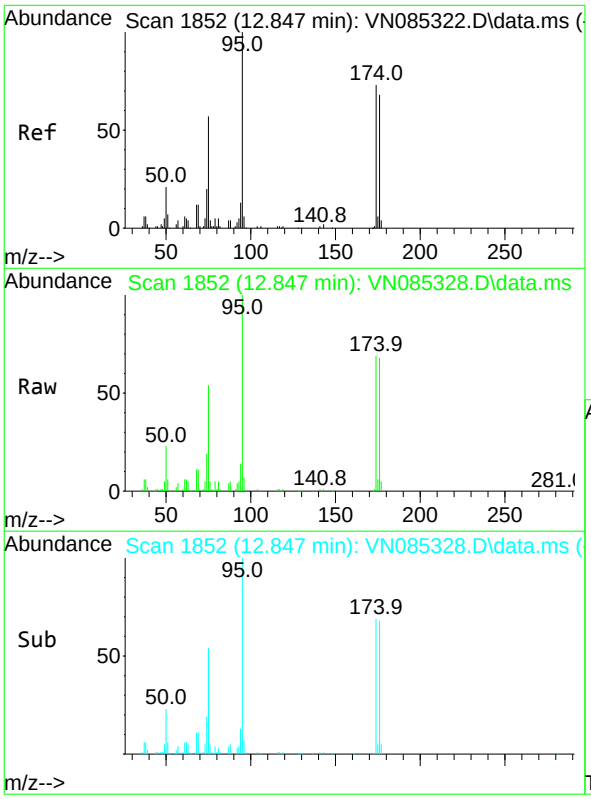
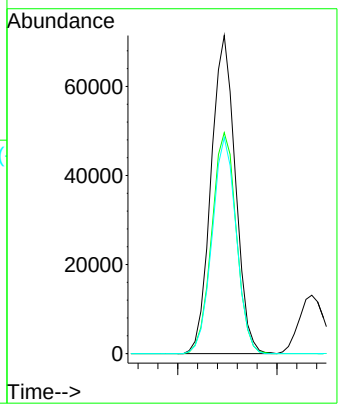
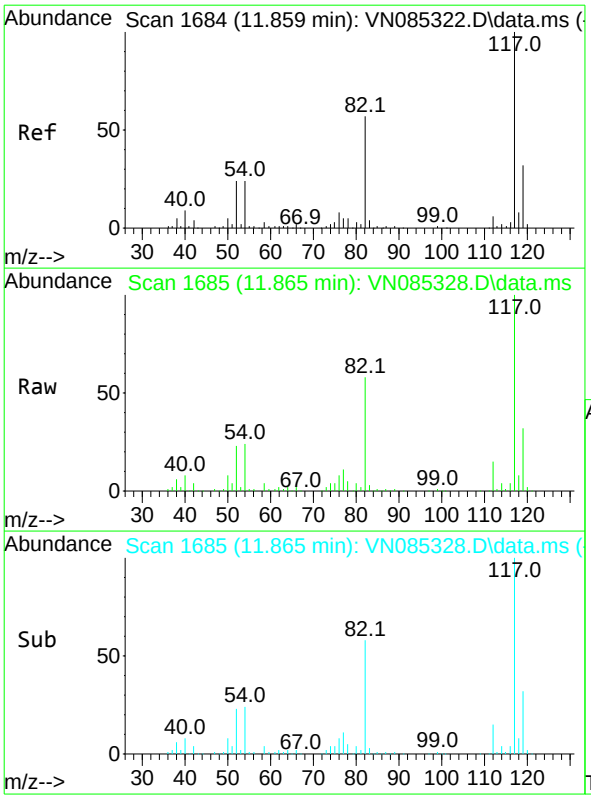


#62
4-Bromofluorobenzene
Concen: 54.619 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 95 Resp: 121466

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	143.2
176	67.4	0.0	135.8

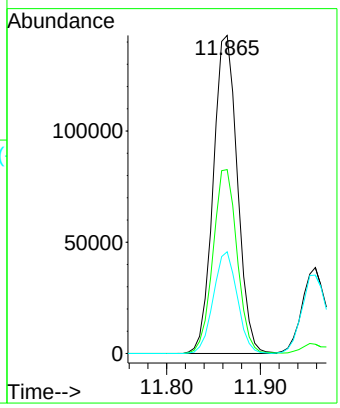




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:117 Resp: 256012

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.7	68.5
119	32.0	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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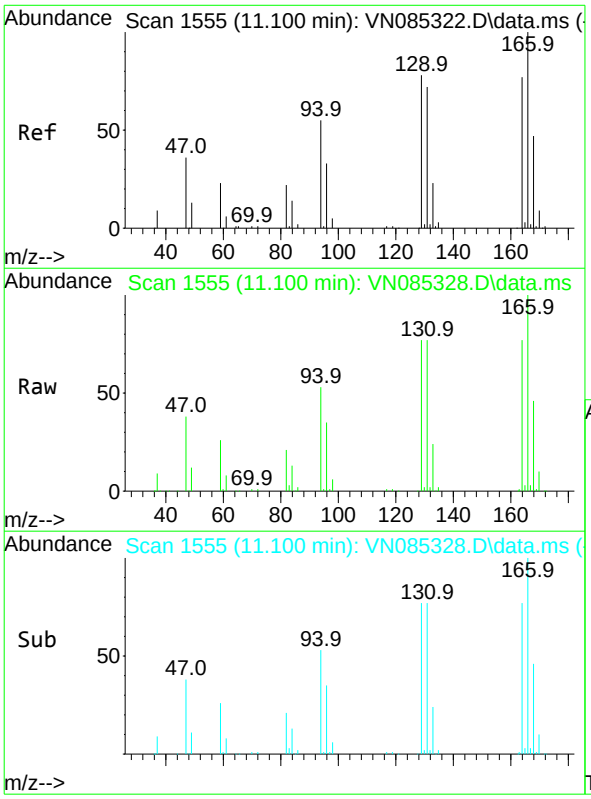
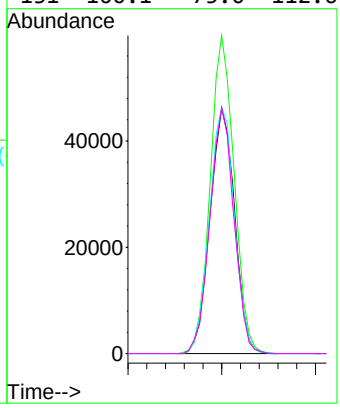
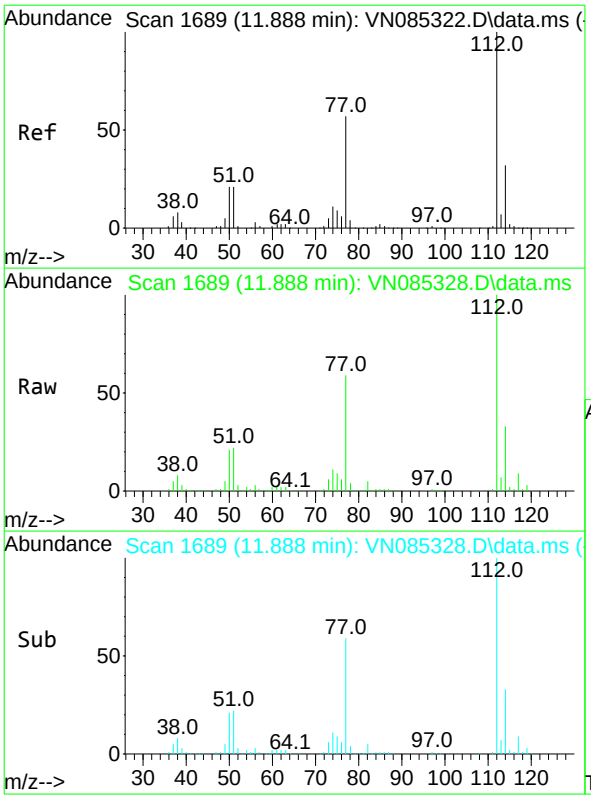


#64
Tetrachloroethene
Concen: 52.056 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:164 Resp: 84445

Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.0	156.0
129	100.2	81.3	121.9
131	100.1	75.0	112.6

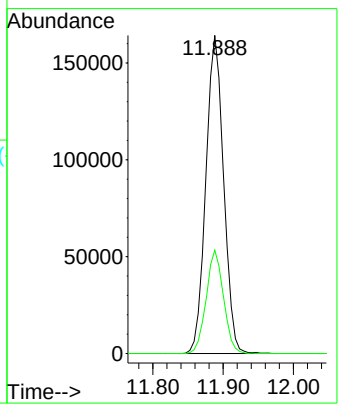




#65
Chlorobenzene
Concen: 52.014 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:112 Resp: 287764

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
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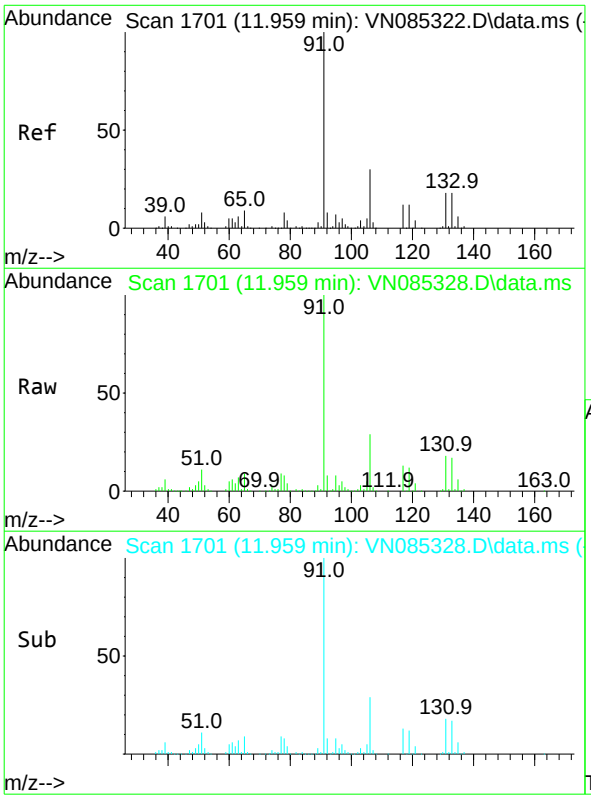
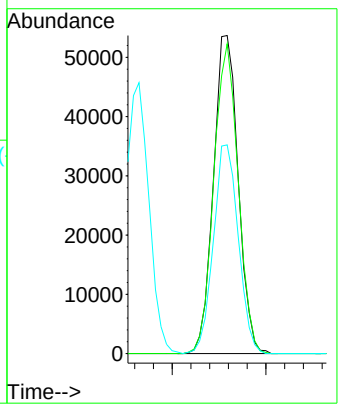
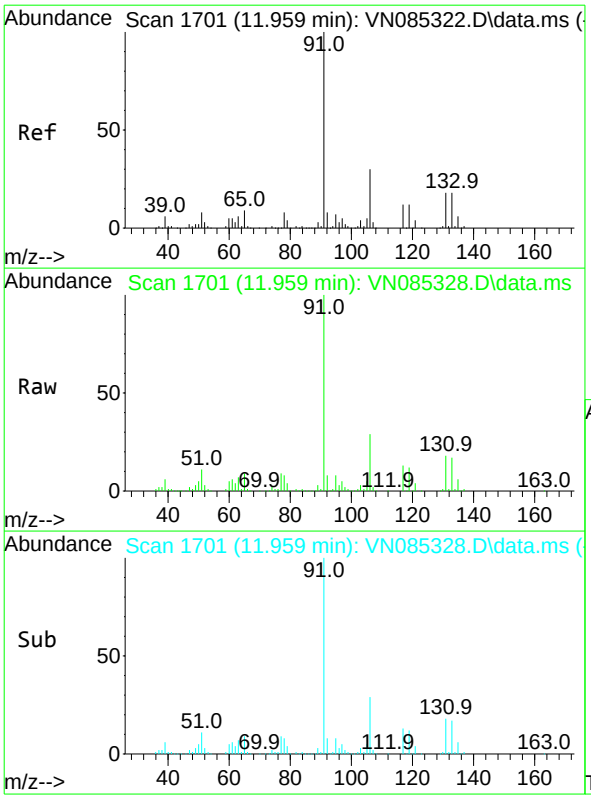


#66
1,1,1,2-Tetrachloroethane
Concen: 52.882 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:131 Resp: 98192

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.9
119	66.2	33.4	100.1

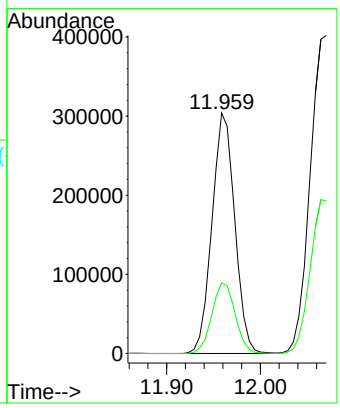




#67
Ethyl Benzene
Concen: 55.669 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 512193

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
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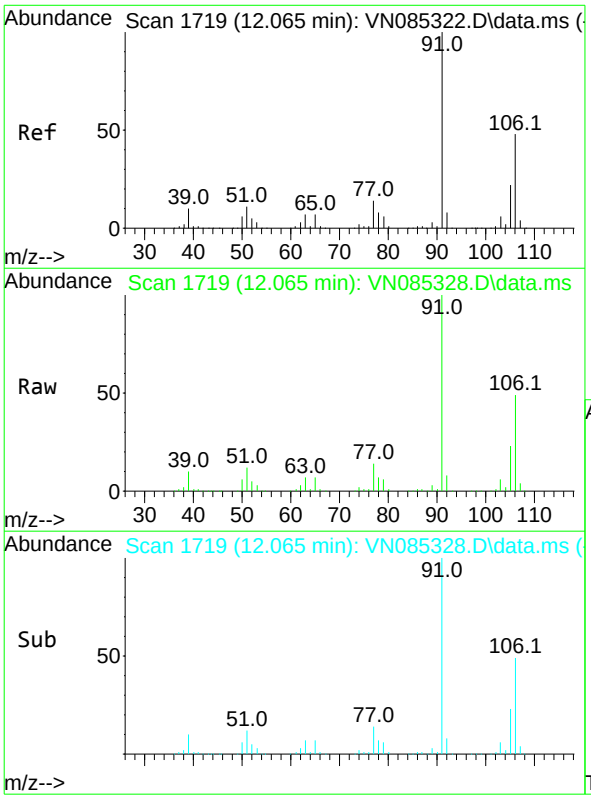
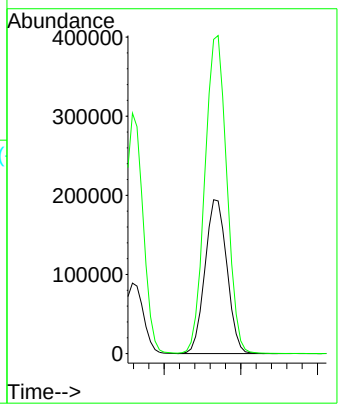
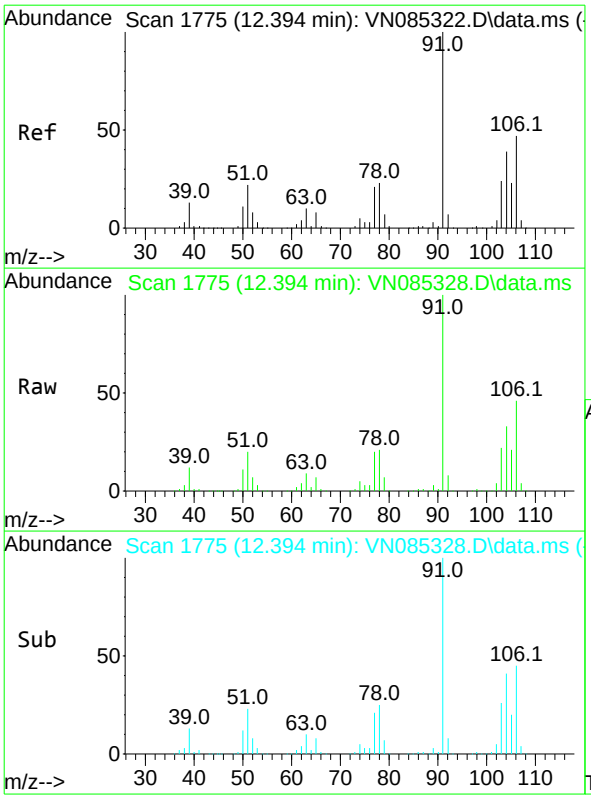


#68
m/p-Xylenes
Concen: 114.768 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:106 Resp: 386429

Ion	Ratio	Lower	Upper
106	100		
91	206.3	165.2	247.8

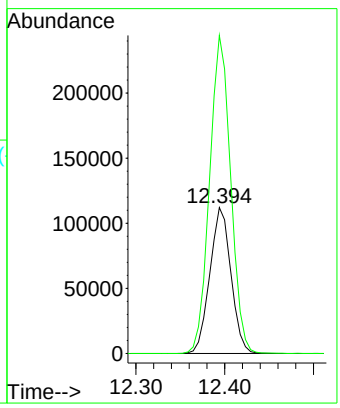




#69
o-Xylene
Concen: 56.809 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:106 Resp: 185036

Ion	Ratio	Lower	Upper
106	100		
91	217.8	107.3	321.8



Instrument :
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ClientSampleId :
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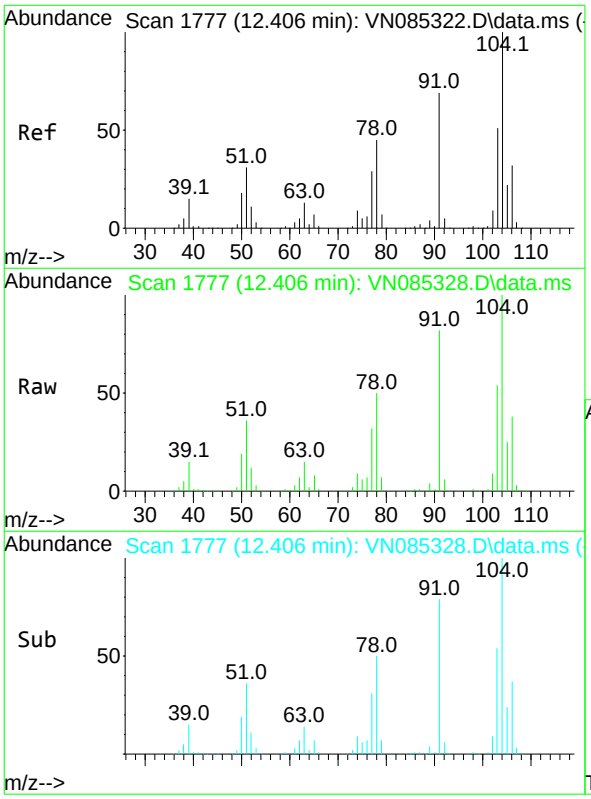
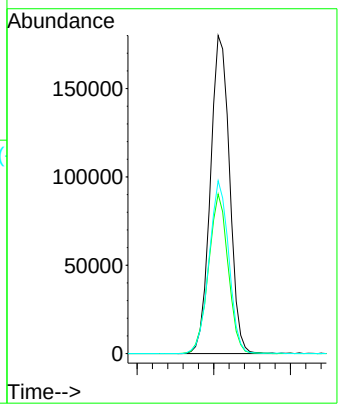
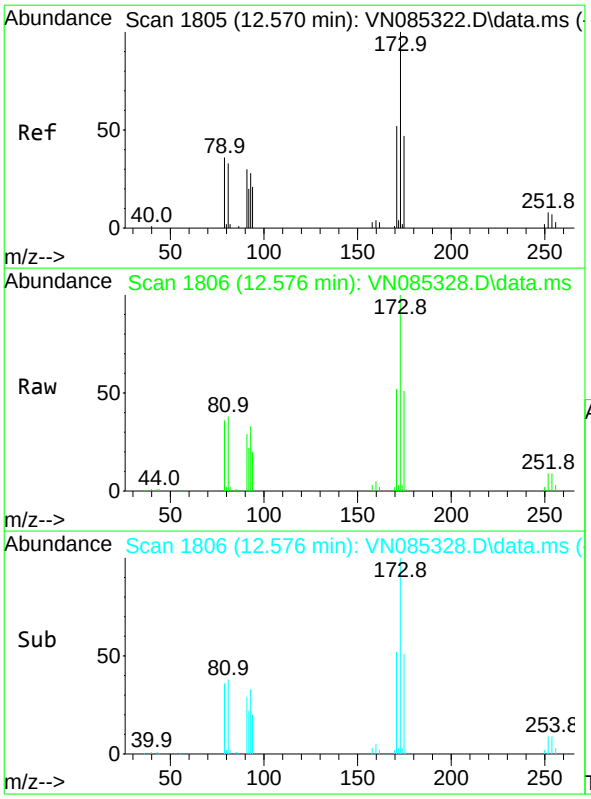


#70
Styrene
Concen: 59.331 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:104 Resp: 313206

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	55.8	44.1	66.1

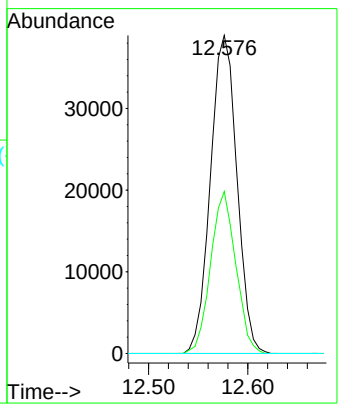




#71
Bromoform
Concen: 56.226 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:173 Resp: 72309

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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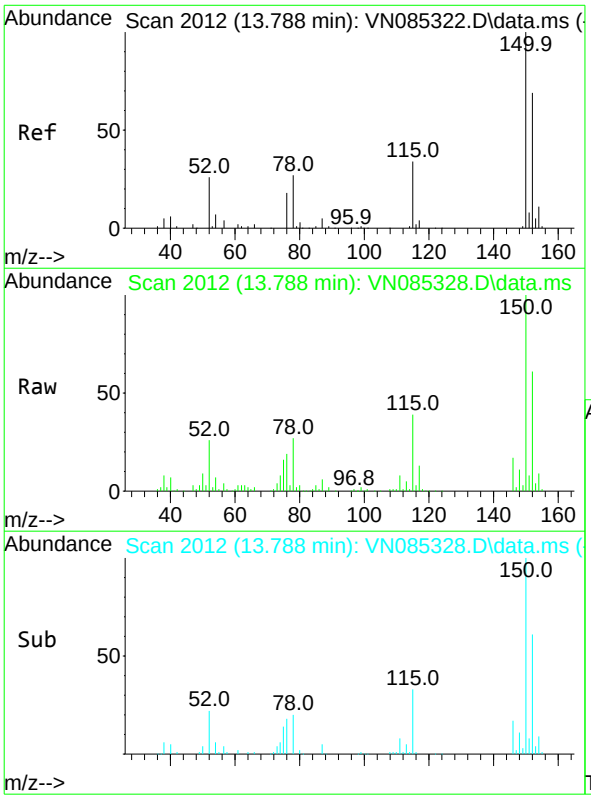
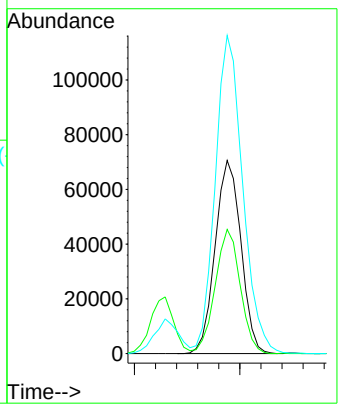
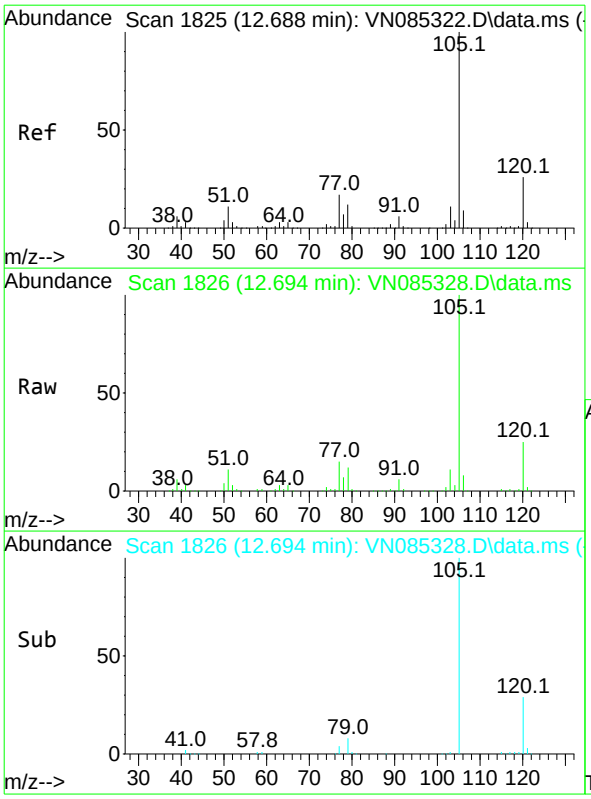


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:152 Resp: 120013

Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.3
150	175.7	0.0	345.0

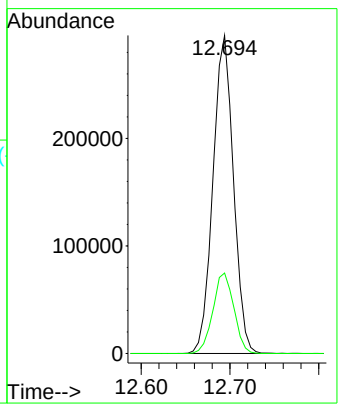




#73
Isopropylbenzene
Concen: 54.966 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 474369

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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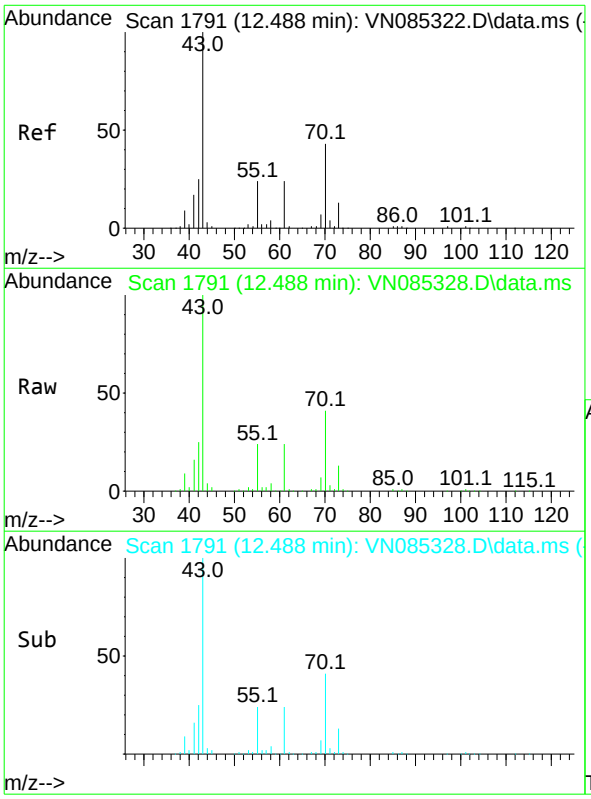
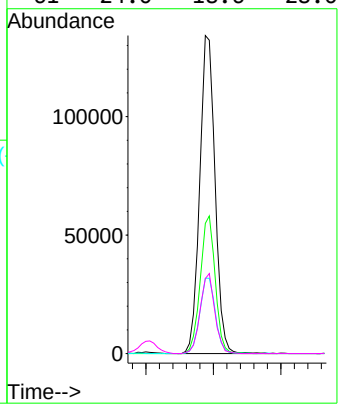
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

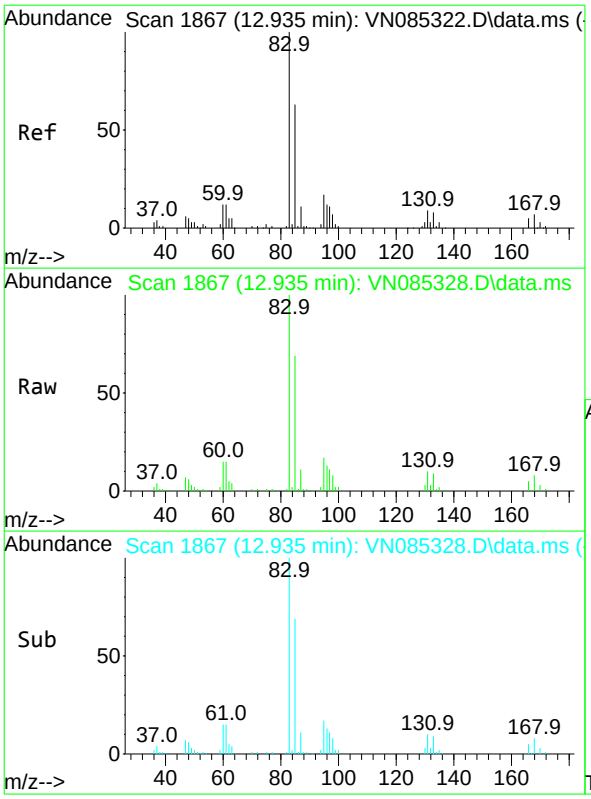


#74
N-amyl acetate
Concen: 57.337 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 211810

Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.4	50.0
55	24.1	19.2	28.8
61	24.0	18.6	28.0

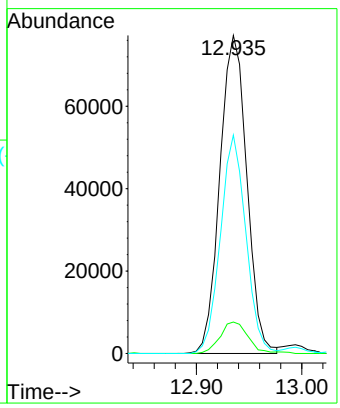




#75
1,1,2,2-Tetrachloroethane
Concen: 49.956 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 83 Resp: 137310

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	64.7	32.6	98.0



Instrument :
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ICVVN122724

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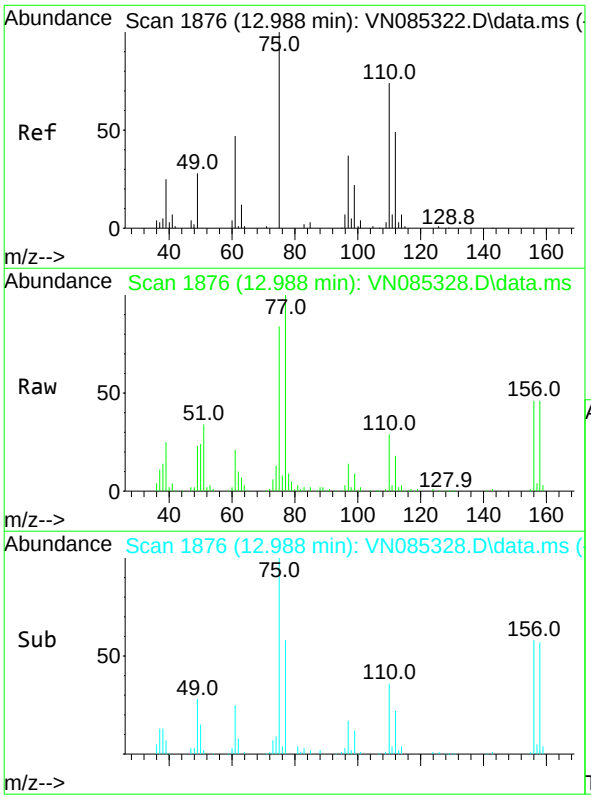
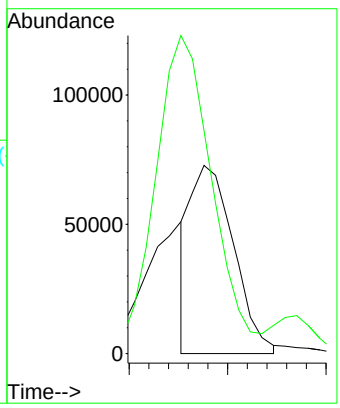
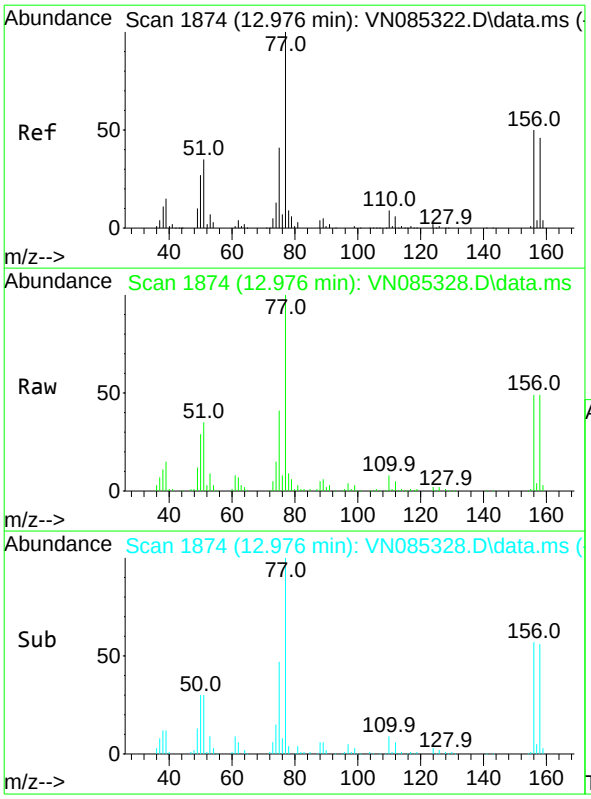


#76
1,2,3-Trichloropropane
Concen: 49.397 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 110703

Ion	Ratio	Lower	Upper
75	100		
77	223.2	98.1	294.3

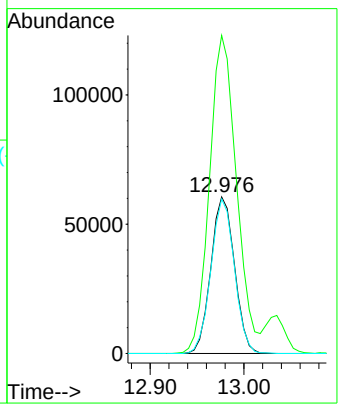




#77
Bromobenzene
Concen: 49.621 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:156 Resp: 106098

Ion	Ratio	Lower	Upper
156	100		
77	232.9	114.0	342.0
158	97.8	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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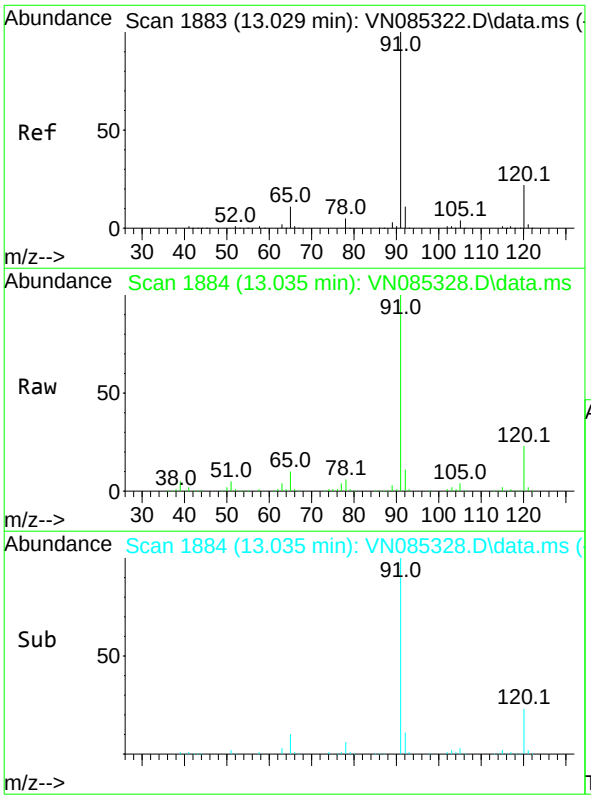
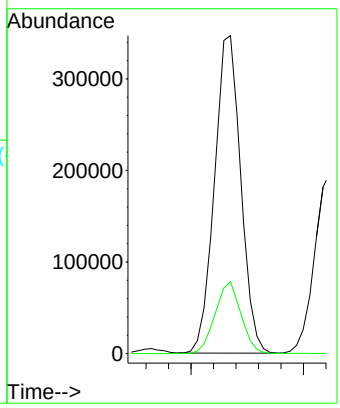
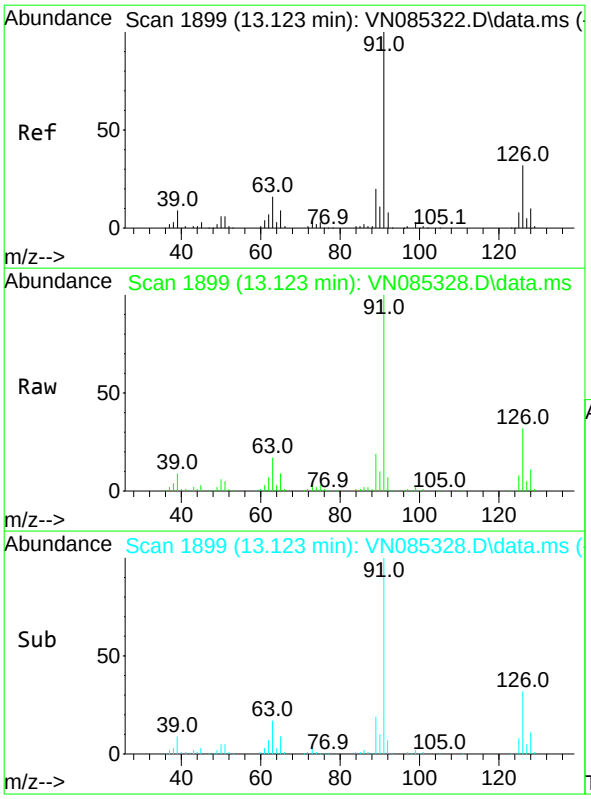


#78
n-propylbenzene
Concen: 55.937 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 562715

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.9	32.9

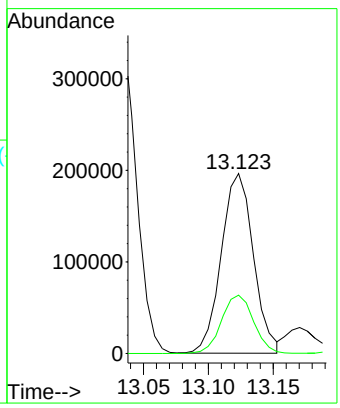




#79
2-Chlorotoluene
Concen: 53.482 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 338610

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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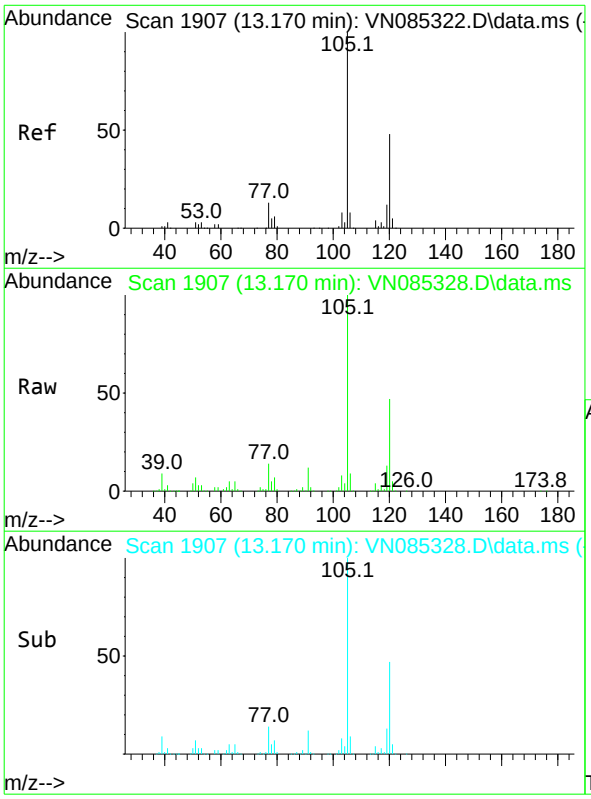
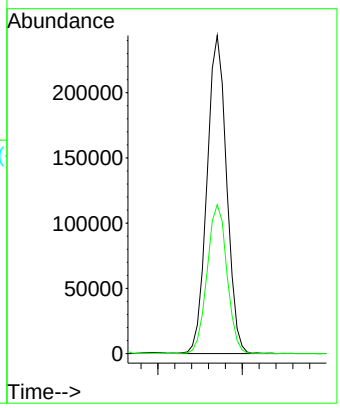
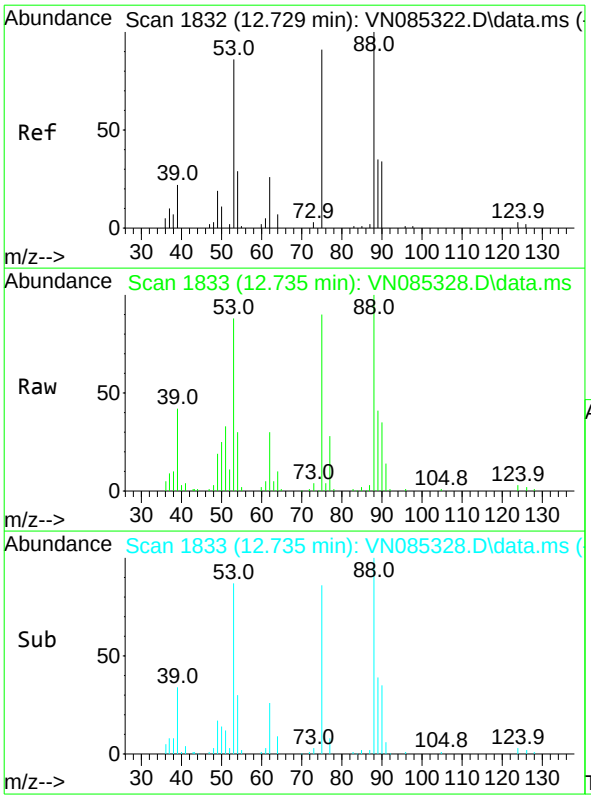


#80
1,3,5-Trimethylbenzene
Concen: 56.370 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 393503

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0

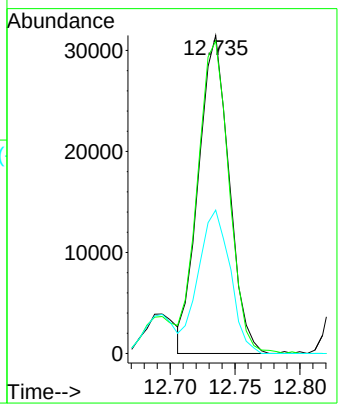




#81
trans-1,4-Dichloro-2-butene
Concen: 55.281 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 51732

Ion	Ratio	Lower	Upper
75	100		
53	100.7	80.0	120.0
89	47.0	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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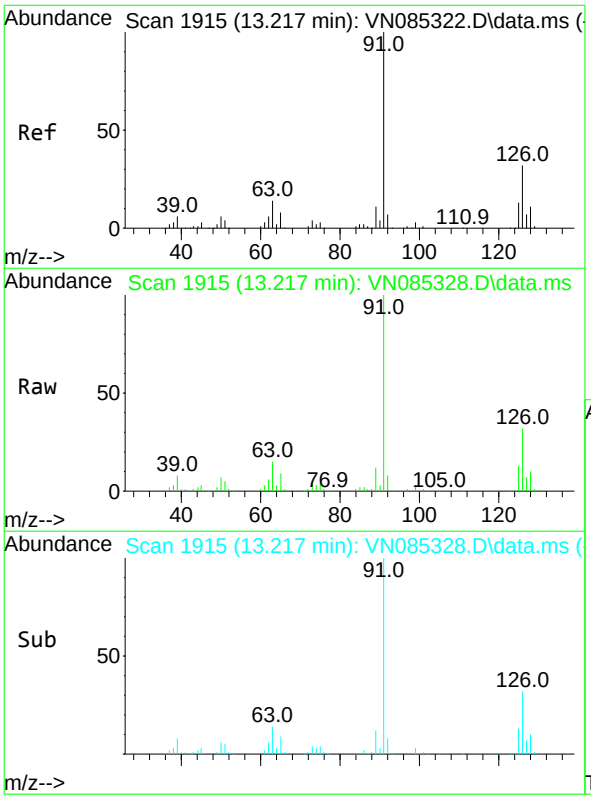
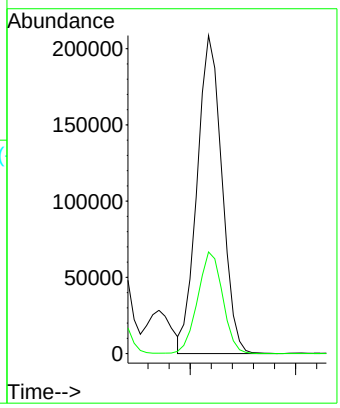
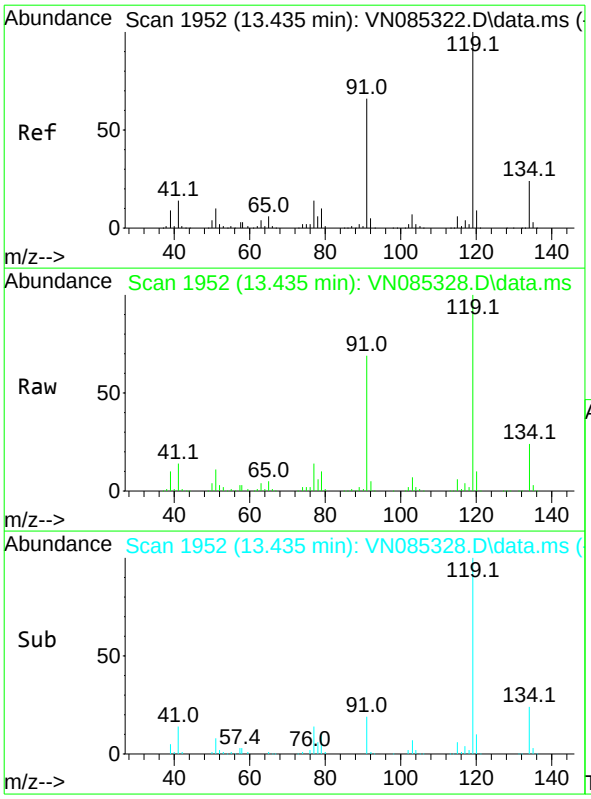


#82
4-Chlorotoluene
Concen: 53.493 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 341098

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

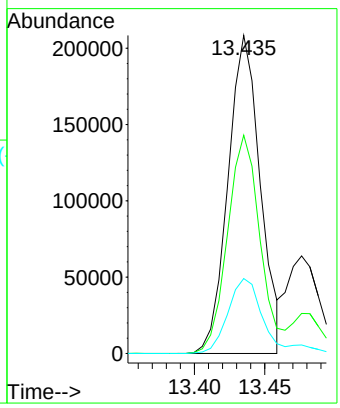




#83
tert-Butylbenzene
Concen: 54.963 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:119 Resp: 332355

Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.6	100.8
134	26.5	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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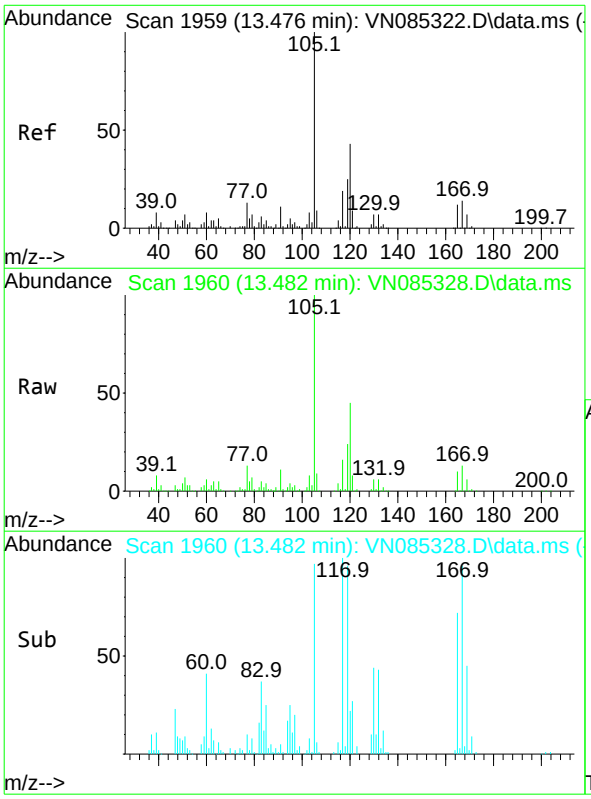
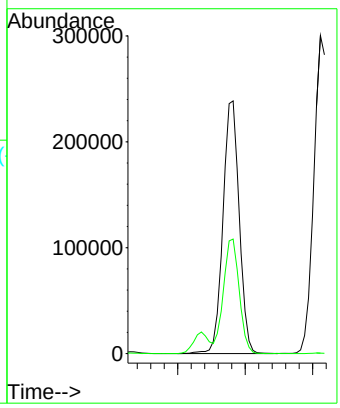
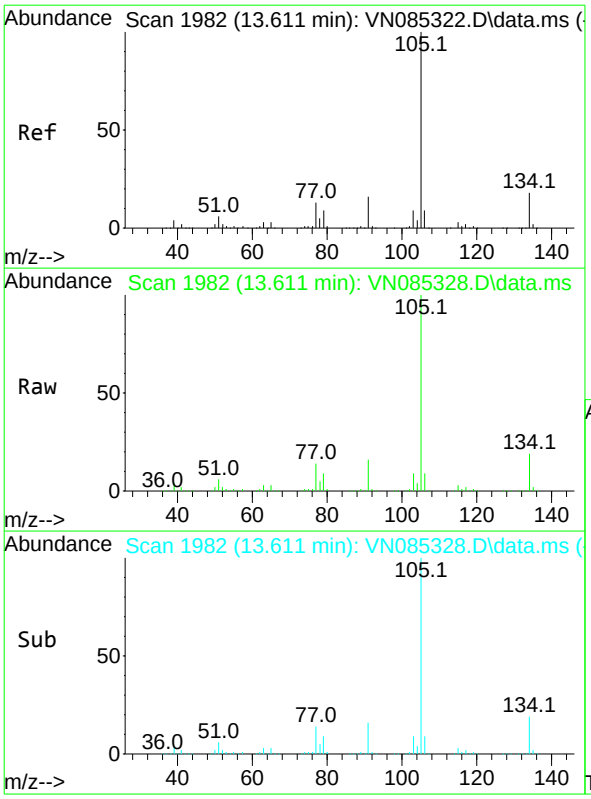


#84
1,2,4-Trimethylbenzene
Concen: 57.454 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 399361

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.7	65.1

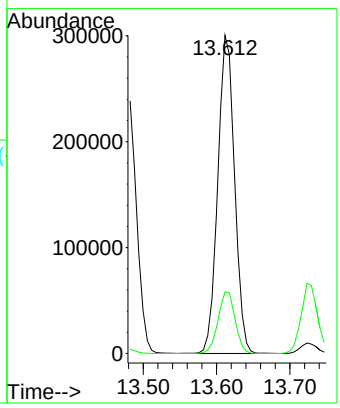




#85
sec-Butylbenzene
Concen: 56.877 ug/l
RT: 13.611 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 477401

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
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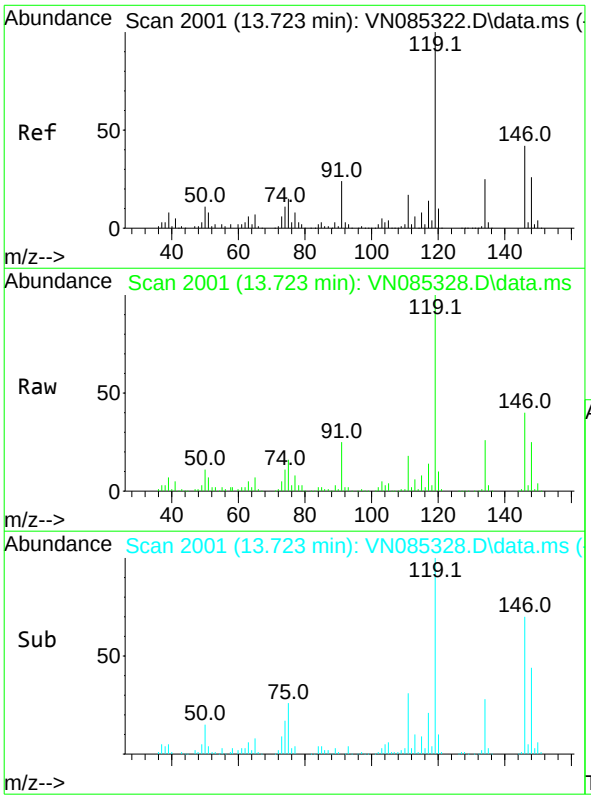
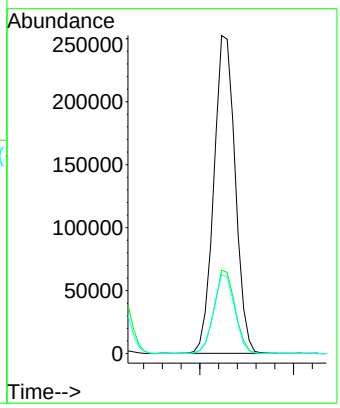
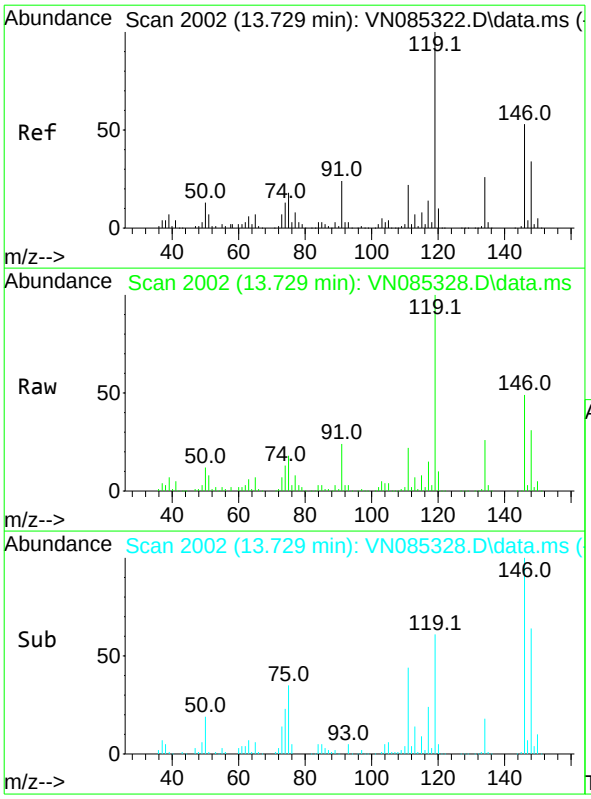


#86
p-Isopropyltoluene
Concen: 53.045 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:119 Resp: 399868

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.5	37.5
91	24.6	12.2	36.4

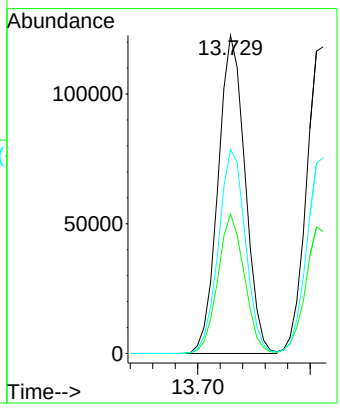




#87
1,3-Dichlorobenzene
Concen: 52.759 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:146 Resp: 204501

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.3	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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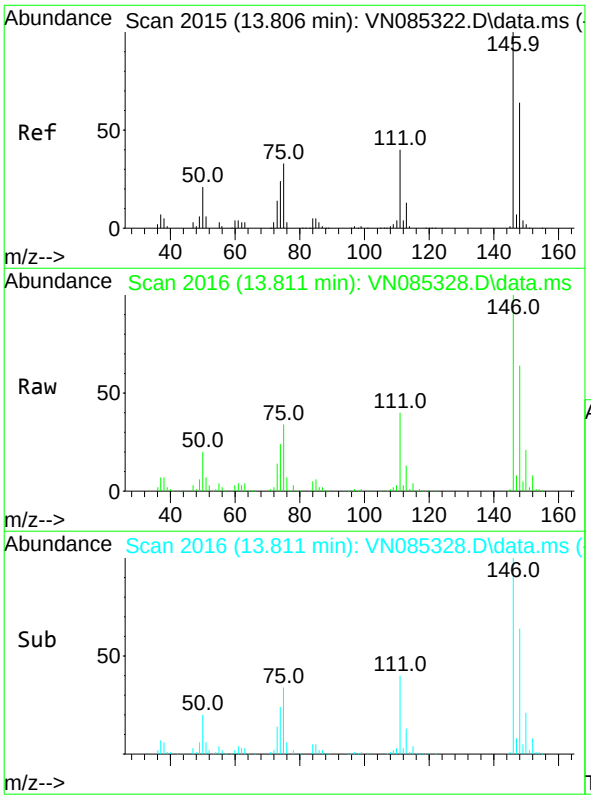
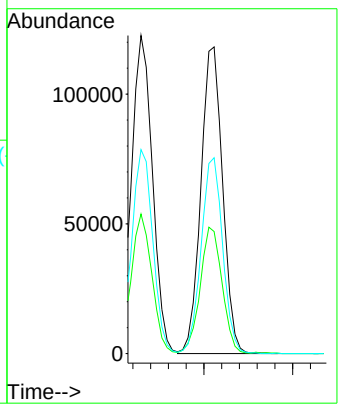
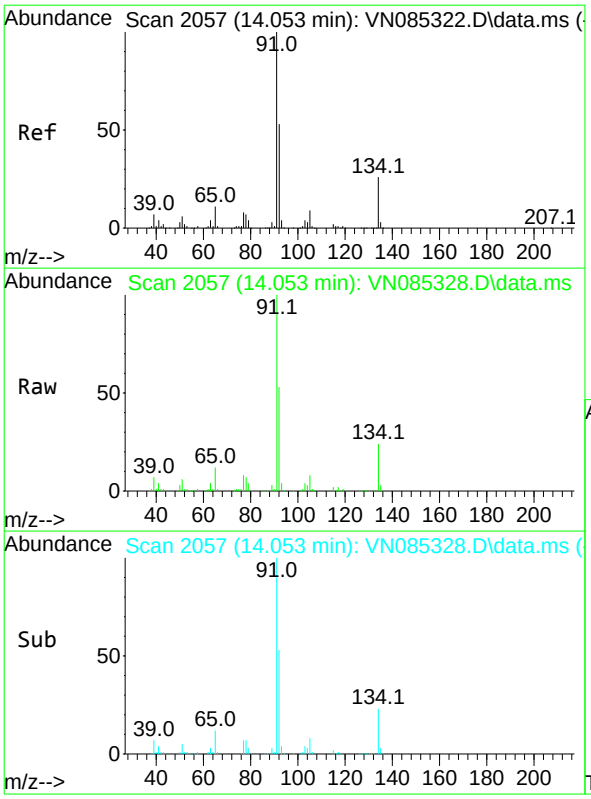


#88
1,4-Dichlorobenzene
Concen: 50.524 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:146 Resp: 201165

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.4	31.7	95.1

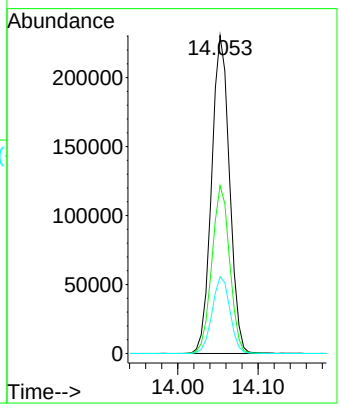




#89
n-Butylbenzene
Concen: 58.149 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 357404

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	24.0	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

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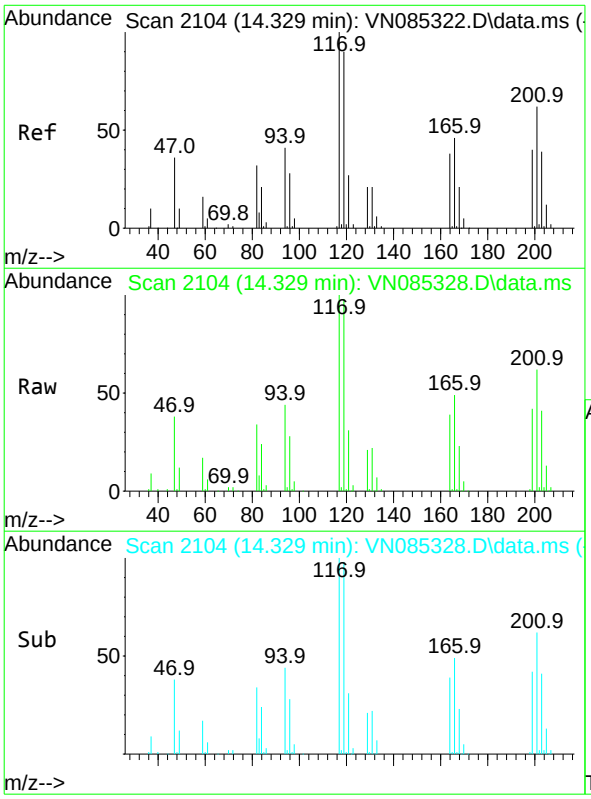
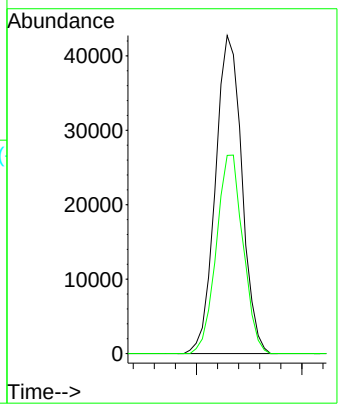
Supervised By :Mahesh Dadoda 12/30/2024

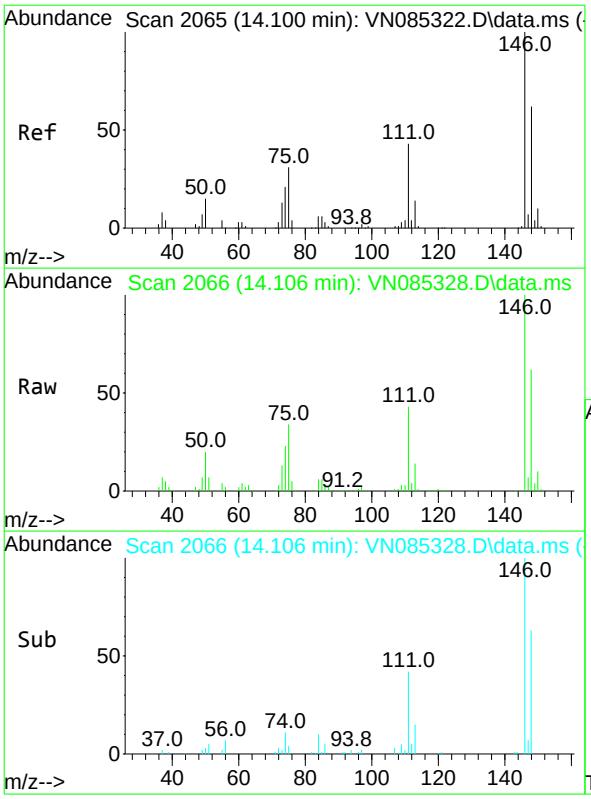


#90
Hexachloroethane
Concen: 54.238 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:117 Resp: 74623

Ion	Ratio	Lower	Upper
117	100		
201	63.0	30.7	92.1

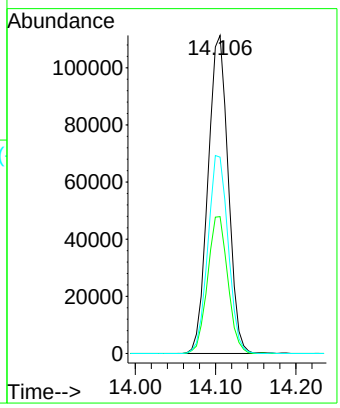




#91
1,2-Dichlorobenzene
Concen: 52.669 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:146 Resp: 194477

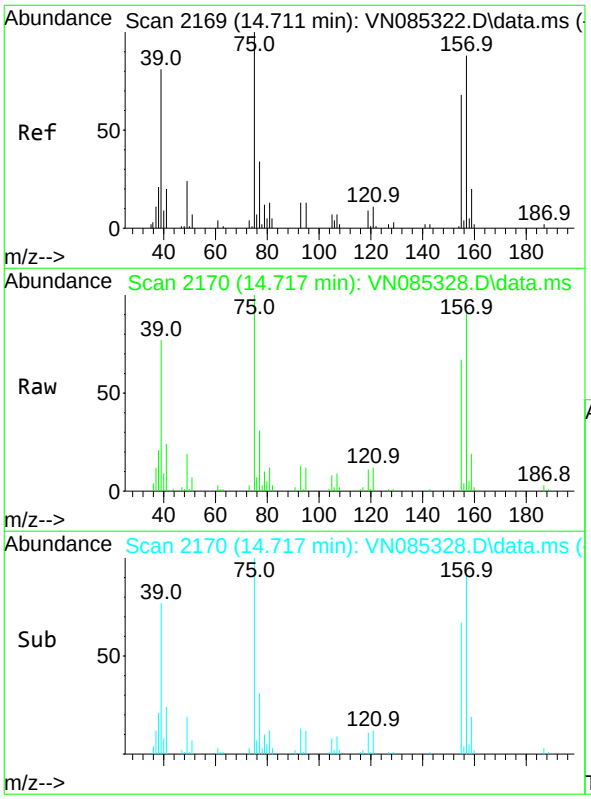
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	62.6	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

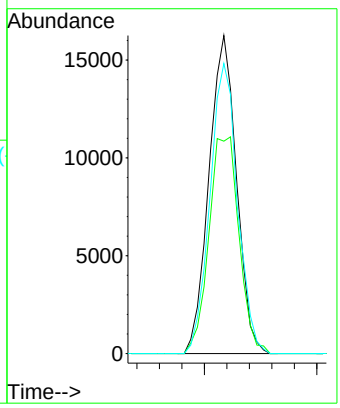
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

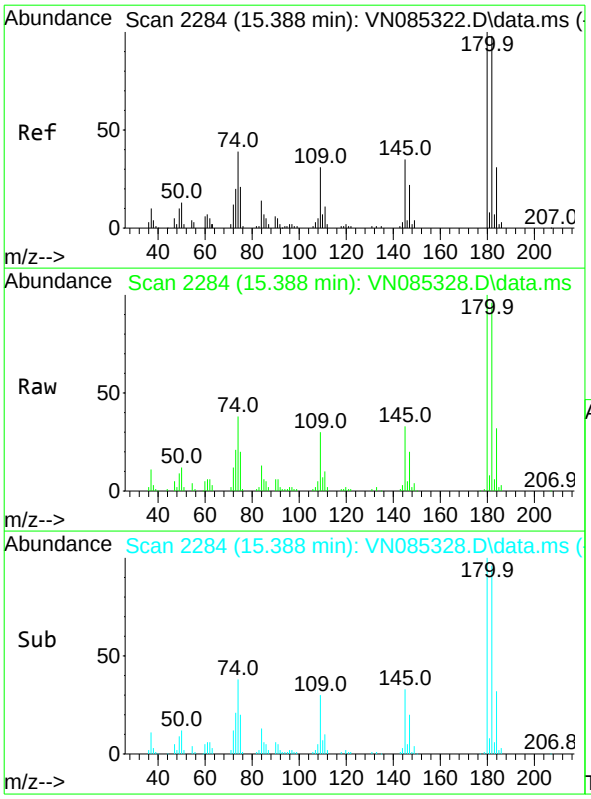


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.494 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 27636

Ion	Ratio	Lower	Upper
75	100		
155	74.5	35.6	106.9
157	91.0	47.0	141.0

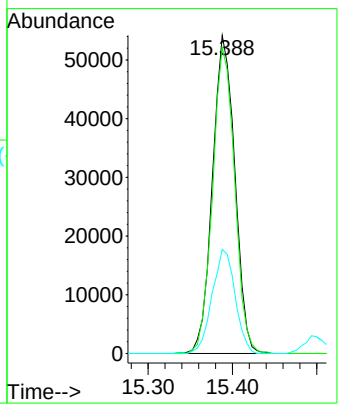




#93
1,2,4-Trichlorobenzene
Concen: 54.113 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:180 Resp: 99722

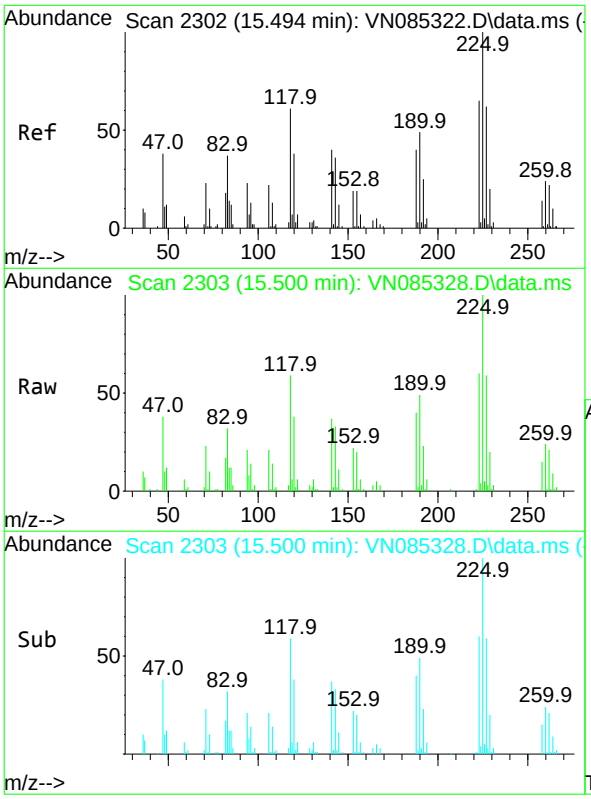
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.2	141.6
145	33.6	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

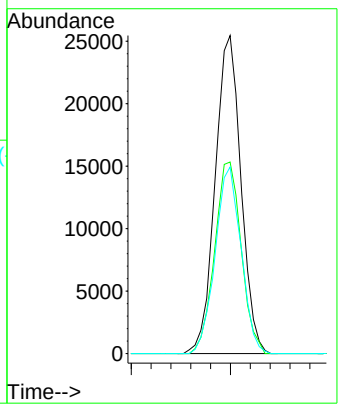
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

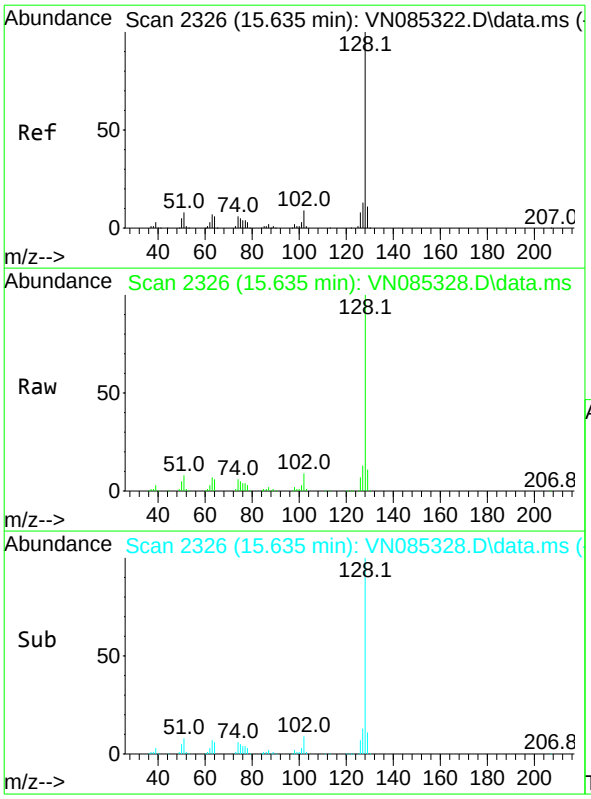


#94
Hexachlorobutadiene
Concen: 50.146 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:225 Resp: 45915

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	94.7
227	58.8	30.3	91.0

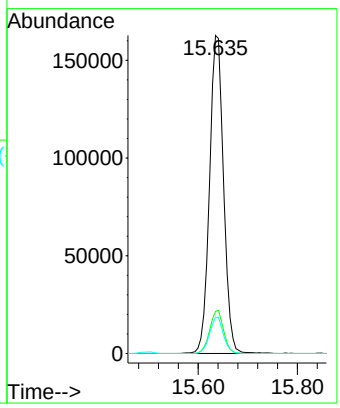




#95
Naphthalene
Concen: 51.123 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:128 Resp: 319467

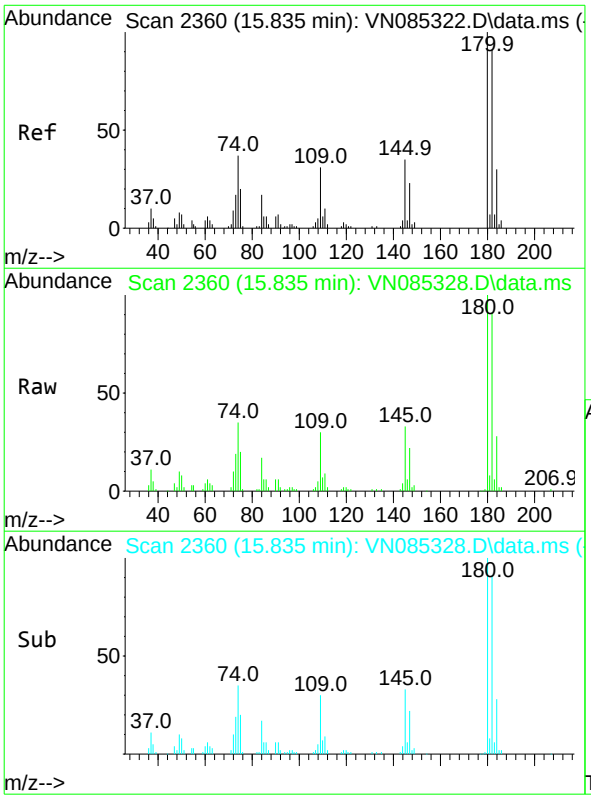
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.3	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

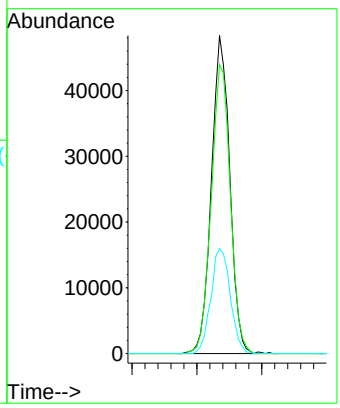
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 51.589 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:180 Resp: 94990

Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.8	140.4
145	35.0	17.2	51.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	106	0.00
2	T	Dichlorodifluoromethane	0.676	0.706	-4.4	107	0.00
3	P	Chloromethane	0.760	0.702	7.6	108	0.00
4	C	Vinyl Chloride	0.804	0.814	-1.2#	113	0.00
5	T	Bromomethane	0.526	0.508	3.4	111	-0.04
6	T	Chloroethane	0.510	0.517	-1.4	113	-0.02
7	T	Trichlorofluoromethane	1.057	1.065	-0.8	110	-0.01
8	T	Diethyl Ether	0.350	0.386	-10.3	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.601	0.614	-2.2	112	0.00
10	T	Methyl Iodide	0.696	0.724	-4.0	107	-0.01
11	T	Tert butyl alcohol	0.089	0.101	-13.5	124	0.01
12	CM	1,1-Dichloroethene	0.556	0.567	-2.0#	111	-0.01
13	T	Acrolein	0.139	0.119	14.4	97	0.00
14	T	Allyl chloride	0.889	0.911	-2.5	112	0.00
15	T	Acrylonitrile	0.281	0.305	-8.5	117	0.00
16	T	Acetone	0.235	0.262	-11.5	124	0.00
17	T	Carbon Disulfide	1.690	1.621	4.1	111	0.00
18	T	Methyl Acetate	0.718	0.774	-7.8	117	0.00
19	T	Methyl tert-butyl Ether	1.806	1.963	-8.7	111	0.00
20	T	Methylene Chloride	0.631	0.648	-2.7	112	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.583	-0.5	109	0.00
22	T	Diisopropyl ether	1.916	2.080	-8.6	113	0.00
23	T	Vinyl Acetate	1.386	1.543	-11.3	114	0.00
24	P	1,1-Dichloroethane	1.154	1.191	-3.2	112	0.00
25	T	2-Butanone	0.364	0.412	-13.2	119	0.00
26	T	2,2-Dichloropropane	1.011	1.078	-6.6	110	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.720	-5.7	110	0.00
28	T	Bromochloromethane	0.536	0.548	-2.2	109	0.00
29	T	Tetrahydrofuran	0.234	0.266	-13.7	118	0.00
30	C	Chloroform	1.181	1.202	-1.8#	112	0.00
31	T	Cyclohexane	1.054	1.011	4.1	109	0.00
32	T	1,1,1-Trichloroethane	1.055	1.062	-0.7	110	0.00
33	S	1,2-Dichloroethane-d4	0.713	0.721	-1.1	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.312	0.314	-0.6	104	0.00
36	T	1,1-Dichloropropene	0.457	0.479	-4.8	109	0.00
37	T	Ethyl Acetate	0.454	0.469	-3.3	118	0.00
38	T	Carbon Tetrachloride	0.498	0.524	-5.2	110	0.00
39	T	Methylcyclohexane	0.474	0.535	-12.9	112	0.00
40	TM	Benzene	1.381	1.451	-5.1	111	0.00
41	T	Methacrylonitrile	0.232	0.264	-13.8	117	0.00
42	TM	1,2-Dichloroethane	0.495	0.511	-3.2	113	0.00
43	T	Isopropyl Acetate	0.747	0.851	-13.9	120	0.00
44	TM	Trichloroethene	0.327	0.333	-1.8	112	0.00
45	C	1,2-Dichloropropane	0.351	0.375	-6.8#	116	0.00
46	T	Dibromomethane	0.244	0.261	-7.0	114	0.00
47	T	Bromodichloromethane	0.507	0.534	-5.3	111	0.00
48	T	Methyl methacrylate	0.324	0.380	-17.3	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.005	0.006	-20.0	114	0.00
50	S	Toluene-d8	1.145	1.187	-3.7	108	0.00
51	T	4-Methyl-2-Pentanone	0.420	0.488	-16.2	118	0.00
52	CM	Toluene	0.822	0.903	-9.9#	112	0.00
53	T	t-1,3-Dichloropropene	0.498	0.563	-13.1	112	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.593	-10.0	112	0.00
55	T	1,1,2-Trichloroethane	0.310	0.331	-6.8	114	0.00
56	T	Ethyl methacrylate	0.452	0.558	-23.5	117	0.00
57	T	1,3-Dichloropropane	0.545	0.589	-8.1	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.246	-12.3	107	0.00
59	T	2-Hexanone	0.291	0.355	-22.0	121	0.00
60	T	Dibromochloromethane	0.350	0.398	-13.7	113	0.00
61	T	1,2-Dibromoethane	0.307	0.334	-8.8	112	0.00
62	S	4-Bromofluorobenzene	0.380	0.415	-9.2	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.317	0.330	-4.1	112	0.00
65	PM	Chlorobenzene	1.080	1.124	-4.1	114	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.384	-5.8	112	0.00
67	C	Ethyl Benzene	1.797	2.001	-11.4#	113	0.00
68	T	m/p-Xylenes	0.658	0.755	-14.7	113	0.00
69	T	o-Xylene	0.636	0.723	-13.7	112	0.00
70	T	Styrene	1.031	1.223	-18.6	113	0.00
71	P	Bromoform	0.251	0.282	-12.4	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73	T	Isopropylbenzene	3.596	3.953	-9.9	112	0.00
74	T	N-amyl acetate	1.539	1.765	-14.7	115	0.00
75	P	1,1,2,2-Tetrachloroethane	1.145	1.144	0.1	114	0.00
76	T	1,2,3-Trichloropropane	0.934	0.922	1.3	118	0.00
77	T	Bromobenzene	0.891	0.884	0.8	112	0.00
78	T	n-propylbenzene	4.191	4.689	-11.9	113	0.00
79	T	2-Chlorotoluene	2.638	2.821	-6.9	113	0.00
80	T	1,3,5-Trimethylbenzene	2.908	3.279	-12.8	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.390	0.431	-10.5	113	0.00
82	T	4-Chlorotoluene	2.657	2.842	-7.0	114	0.00
83	T	tert-Butylbenzene	2.519	2.769	-9.9	113	0.00
84	T	1,2,4-Trimethylbenzene	2.896	3.328	-14.9	113	0.00
85	T	sec-Butylbenzene	3.497	3.978	-13.8	113	0.00
86	T	p-Isopropyltoluene	2.816	3.332	-18.3	114	0.00
87	T	1,3-Dichlorobenzene	1.615	1.704	-5.5	114	0.00
88	T	1,4-Dichlorobenzene	1.659	1.676	-1.0	113	0.00
89	T	n-Butylbenzene	2.561	2.978	-16.3	116	0.00
90	T	Hexachloroethane	0.573	0.622	-8.6	110	0.00
91	T	1,2-Dichlorobenzene	1.538	1.620	-5.3	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.204	0.230	-12.7	120	0.00
93	T	1,2,4-Trichlorobenzene	0.768	0.831	-8.2	115	0.00
94	T	Hexachlorobutadiene	0.381	0.383	-0.5	119	0.00
95	T	Naphthalene	2.603	2.662	-2.3	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.767	0.791	-3.1	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	106	0.00
2	T	Dichlorodifluoromethane	50.000	52.192	-4.4	107	0.00
3	P	Chloromethane	50.000	46.193	7.6	108	0.00
4	C	Vinyl Chloride	50.000	50.656	-1.3#	113	0.00
5	T	Bromomethane	50.000	48.321	3.4	111	-0.04
6	T	Chloroethane	50.000	50.664	-1.3	113	-0.02
7	T	Trichlorofluoromethane	50.000	50.396	-0.8	110	-0.01
8	T	Diethyl Ether	50.000	55.098	-10.2	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.030	-2.1	112	0.00
10	T	Methyl Iodide	50.000	52.018	-4.0	107	-0.01
11	T	Tert butyl alcohol	250.000	282.346	-12.9	124	0.01
12	CM	1,1-Dichloroethene	50.000	51.049	-2.1#	111	-0.01
13	T	Acrolein	250.000	214.370	14.3	97	0.00
14	T	Allyl chloride	50.000	51.210	-2.4	112	0.00
15	T	Acrylonitrile	250.000	271.490	-8.6	117	0.00
16	T	Acetone	250.000	279.767	-11.9	124	0.00
17	T	Carbon Disulfide	50.000	47.961	4.1	111	0.00
18	T	Methyl Acetate	50.000	53.913	-7.8	117	0.00
19	T	Methyl tert-butyl Ether	50.000	54.338	-8.7	111	0.00
20	T	Methylene Chloride	50.000	51.370	-2.7	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.262	-0.5	109	0.00
22	T	Diisopropyl ether	50.000	54.277	-8.6	113	0.00
23	T	Vinyl Acetate	250.000	278.352	-11.3	114	0.00
24	P	1,1-Dichloroethane	50.000	51.577	-3.2	112	0.00
25	T	2-Butanone	250.000	283.341	-13.3	119	0.00
26	T	2,2-Dichloropropane	50.000	53.283	-6.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.846	-5.7	110	0.00
28	T	Bromochloromethane	50.000	51.112	-2.2	109	0.00
29	T	Tetrahydrofuran	250.000	283.909	-13.6	118	0.00
30	C	Chloroform	50.000	50.890	-1.8#	112	0.00
31	T	Cyclohexane	50.000	47.956	4.1	109	0.00
32	T	1,1,1-Trichloroethane	50.000	50.333	-0.7	110	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.547	-1.1	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	50.398	-0.8	104	0.00
36	T	1,1-Dichloropropene	50.000	52.447	-4.9	109	0.00
37	T	Ethyl Acetate	50.000	51.666	-3.3	118	0.00
38	T	Carbon Tetrachloride	50.000	52.672	-5.3	110	0.00
39	T	Methylcyclohexane	50.000	56.501	-13.0	112	0.00
40	TM	Benzene	50.000	52.550	-5.1	111	0.00
41	T	Methacrylonitrile	50.000	56.677	-13.4	117	0.00
42	TM	1,2-Dichloroethane	50.000	51.568	-3.1	113	0.00
43	T	Isopropyl Acetate	50.000	56.953	-13.9	120	0.00
44	TM	Trichloroethene	50.000	50.930	-1.9	112	0.00
45	C	1,2-Dichloropropane	50.000	53.441	-6.9#	116	0.00
46	T	Dibromomethane	50.000	53.491	-7.0	114	0.00
47	T	Bromodichloromethane	50.000	52.728	-5.5	111	0.00
48	T	Methyl methacrylate	50.000	58.590	-17.2	116	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	1197.029	-19.7	114	0.00
50	S	Toluene-d8	50.000	51.871	-3.7	108	0.00
51	T	4-Methyl-2-Pentanone	250.000	290.641	-16.3	118	0.00
52	CM	Toluene	50.000	54.941	-9.9#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	56.497	-13.0	112	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.040	-10.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	53.314	-6.6	114	0.00
56	T	Ethyl methacrylate	50.000	61.733	-23.5	117	0.00
57	T	1,3-Dichloropropane	50.000	54.020	-8.0	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.905	-12.4	107	0.00
59	T	2-Hexanone	250.000	304.633	-21.9	121	0.00
60	T	Dibromochloromethane	50.000	56.856	-13.7	113	0.00
61	T	1,2-Dibromoethane	50.000	54.445	-8.9	112	0.00
62	S	4-Bromofluorobenzene	50.000	54.619	-9.2	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	52.056	-4.1	112	0.00
65	PM	Chlorobenzene	50.000	52.014	-4.0	114	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.882	-5.8	112	0.00
67	C	Ethyl Benzene	50.000	55.669	-11.3#	113	0.00
68	T	m/p-Xylenes	100.000	114.768	-14.8	113	0.00
69	T	o-Xylene	50.000	56.809	-13.6	112	0.00
70	T	Styrene	50.000	59.331	-18.7	113	0.00
71	P	Bromoform	50.000	56.226	-12.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73	T	Isopropylbenzene	50.000	54.966	-9.9	112	0.00
74	T	N-amyl acetate	50.000	57.337	-14.7	115	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.956	0.1	114	0.00
76	T	1,2,3-Trichloropropane	50.000	49.397	1.2	118	0.00
77	T	Bromobenzene	50.000	49.621	0.8	112	0.00
78	T	n-propylbenzene	50.000	55.937	-11.9	113	0.00
79	T	2-Chlorotoluene	50.000	53.482	-7.0	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.370	-12.7	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.281	-10.6	113	0.00
82	T	4-Chlorotoluene	50.000	53.493	-7.0	114	0.00
83	T	tert-Butylbenzene	50.000	54.963	-9.9	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.454	-14.9	113	0.00
85	T	sec-Butylbenzene	50.000	56.877	-13.8	113	0.00
86	T	p-Isopropyltoluene	50.000	53.045	-6.1	114	0.00
87	T	1,3-Dichlorobenzene	50.000	52.759	-5.5	114	0.00
88	T	1,4-Dichlorobenzene	50.000	50.524	-1.0	113	0.00
89	T	n-Butylbenzene	50.000	58.149	-16.3	116	0.00
90	T	Hexachloroethane	50.000	54.238	-8.5	110	0.00
91	T	1,2-Dichlorobenzene	50.000	52.669	-5.3	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	56.494	-13.0	120	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.113	-8.2	115	0.00
94	T	Hexachlorobutadiene	50.000	50.146	-0.3	119	0.00
95	T	Naphthalene	50.000	51.123	-2.2	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	51.589	-3.2	112	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: WEST04

Lab Code: CHEM Case No.: P5380 SAS No.: P5380 SDG No.: P5380

Instrument ID: MSVOA_N Calibration Date/Time: 12/27/2024 19:54

Lab File ID: VN085337.D Init. Calib. Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:26 12:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.804	0.723		-10.07	50
1,1-Dichloroethene	0.556	0.532		-4.32	50
2-Butanone	0.364	0.383		5.22	50
Carbon Tetrachloride	0.498	0.476		-4.42	50
Chloroform	1.181	1.084		-8.21	50
Benzene	1.381	1.318		-4.56	50
1,2-Dichloroethane	0.495	0.465		-6.06	50
Trichloroethene	0.327	0.295		-9.79	50
Tetrachloroethene	0.317	0.281		-11.36	50
Chlorobenzene	1.080	1.022	0.3	-5.37	50
1,2-Dichloroethane-d4	0.713	0.722		1.26	50
Dibromofluoromethane	0.312	0.320		2.56	50
Toluene-d8	1.145	1.166		1.83	50
4-Bromofluorobenzene	0.380	0.390		2.63	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\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	169838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122557	50.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%			
35) Dibromofluoromethane	8.165	113	97559	51.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	10.565	98	355381	50.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%			
62) 4-Bromofluorobenzene	12.847	95	118775	51.260	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	113123	49.249	ug/l	97
3) Chloromethane	2.359	50	112831	43.706	ug/l	94
4) Vinyl Chloride	2.512	62	122843	44.993	ug/l	95
5) Bromomethane	2.947	94	72906	40.830	ug/l	94
6) Chloroethane	3.118	64	77851	44.963	ug/l	96
7) Trichlorofluoromethane	3.494	101	168414	46.925	ug/l	98
8) Diethyl Ether	3.959	74	62159	52.307	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	94675	46.360	ug/l	99
10) Methyl Iodide	4.583	142	116418	49.261	ug/l	98
11) Tert butyl alcohol	5.518	59	77990	257.112	ug/l	99
12) 1,1-Dichloroethene	4.336	96	90284	47.837	ug/l	94
13) Acrolein	4.177	56	117362	248.168	ug/l	98
14) Allyl chloride	5.018	41	140110	46.385	ug/l	97
15) Acrylonitrile	5.712	53	243992	255.570	ug/l	100
16) Acetone	4.418	43	202911	254.740	ug/l	97
17) Carbon Disulfide	4.712	76	244238	42.538	ug/l	100
18) Methyl Acetate	5.024	43	125680	51.536	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	308976	50.367	ug/l	98
20) Methylene Chloride	5.277	84	100258	46.795	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	91889	46.608	ug/l	96
22) Diisopropyl ether	6.671	45	325374	49.987	ug/l	99
23) Vinyl Acetate	6.600	43	1238586	263.034	ug/l	99
24) 1,1-Dichloroethane	6.571	63	186368	47.530	ug/l	99
25) 2-Butanone	7.477	43	324958	262.964	ug/l	96
26) 2,2-Dichloropropane	7.482	77	155415	45.241	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	110639	47.812	ug/l	96
28) Bromochloromethane	7.812	49	77034	42.276	ug/l #	98
29) Tetrahydrofuran	7.835	42	215784	271.082	ug/l	98
30) Chloroform	7.965	83	184082	45.890	ug/l	97
31) Cyclohexane	8.253	56	155315	43.379	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	161741	45.147	ug/l	99
36) 1,1-Dichloropropene	8.371	75	130916	47.028	ug/l	100
37) Ethyl Acetate	7.559	43	134415	48.579	ug/l	100
38) Carbon Tetrachloride	8.359	117	145219	47.859	ug/l	97
39) Methylcyclohexane	9.600	83	140749	48.731	ug/l	99
40) Benzene	8.606	78	401557	47.710	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	72165	50.926	ug/l		98
42) 1,2-Dichloroethane	8.671	62	141854	47.009	ug/l		100
43) Isopropyl Acetate	8.682	43	258318	56.698	ug/l		95
44) Trichloroethene	9.347	130	89851	45.091	ug/l		95
45) 1,2-Dichloropropane	9.618	63	100779	47.168	ug/l		95
46) Dibromomethane	9.706	93	70356	47.348	ug/l		99
47) Bromodichloromethane	9.888	83	147480	47.752	ug/l		98
48) Methyl methacrylate	9.676	41	107180	54.215	ug/l		100
49) 1,4-Dioxane	9.694	88	33381	1119.134	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	687835	268.651	ug/l		99
52) Toluene	10.629	92	243317	48.552	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	150931	49.694	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	160718	48.936	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92267	48.764	ug/l		97
56) Ethyl methacrylate	10.870	69	155398	56.392	ug/l		99
57) 1,3-Dichloropropane	11.159	76	161673	48.684	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	360017	270.032	ug/l		99
59) 2-Hexanone	11.194	43	497580	280.111	ug/l		100
60) Dibromochloromethane	11.353	129	109072	51.180	ug/l		100
61) 1,2-Dibromoethane	11.465	107	92998	49.680	ug/l		99
64) Tetrachloroethene	11.100	164	71896	44.300	ug/l		97
65) Chlorobenzene	11.888	112	261676	47.277	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	92418	49.750	ug/l		98
67) Ethyl Benzene	11.959	91	461376	50.123	ug/l		100
68) m/p-Xylenes	12.070	106	351159	104.245	ug/l		100
69) o-Xylene	12.394	106	168921	51.838	ug/l		97
70) Styrene	12.412	104	285621	54.081	ug/l		100
71) Bromoform	12.576	173	68988	53.619	ug/l	#	99
73) Isopropylbenzene	12.694	105	430895	50.287	ug/l		99
74) N-amyl acetate	12.488	43	207891	56.680	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	135425	49.623	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	122072m	54.860	ug/l		
77) Bromobenzene	12.976	156	97145	45.760	ug/l		97
78) n-propylbenzene	13.035	91	506572	50.717	ug/l		100
79) 2-Chlorotoluene	13.123	91	309290	49.202	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	359513	51.871	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49551	53.330	ug/l		95
82) 4-Chlorotoluene	13.217	91	311175	49.151	ug/l		99
83) tert-Butylbenzene	13.435	119	299444	49.875	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	362722	52.558	ug/l		98
85) sec-Butylbenzene	13.611	105	423924	50.868	ug/l		98
86) p-Isopropyltoluene	13.729	119	355028	47.752	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	182452	47.408	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	182104	46.065	ug/l		99
89) n-Butylbenzene	14.053	91	301821	49.458	ug/l		99
90) Hexachloroethane	14.329	117	70685	51.745	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	178612	48.719	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25973	53.475	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	84575	46.223	ug/l		99
94) Hexachlorobutadiene	15.500	225	37128	40.840	ug/l		97
95) Naphthalene	15.635	128	291130	46.923	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	84747	46.357	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

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

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

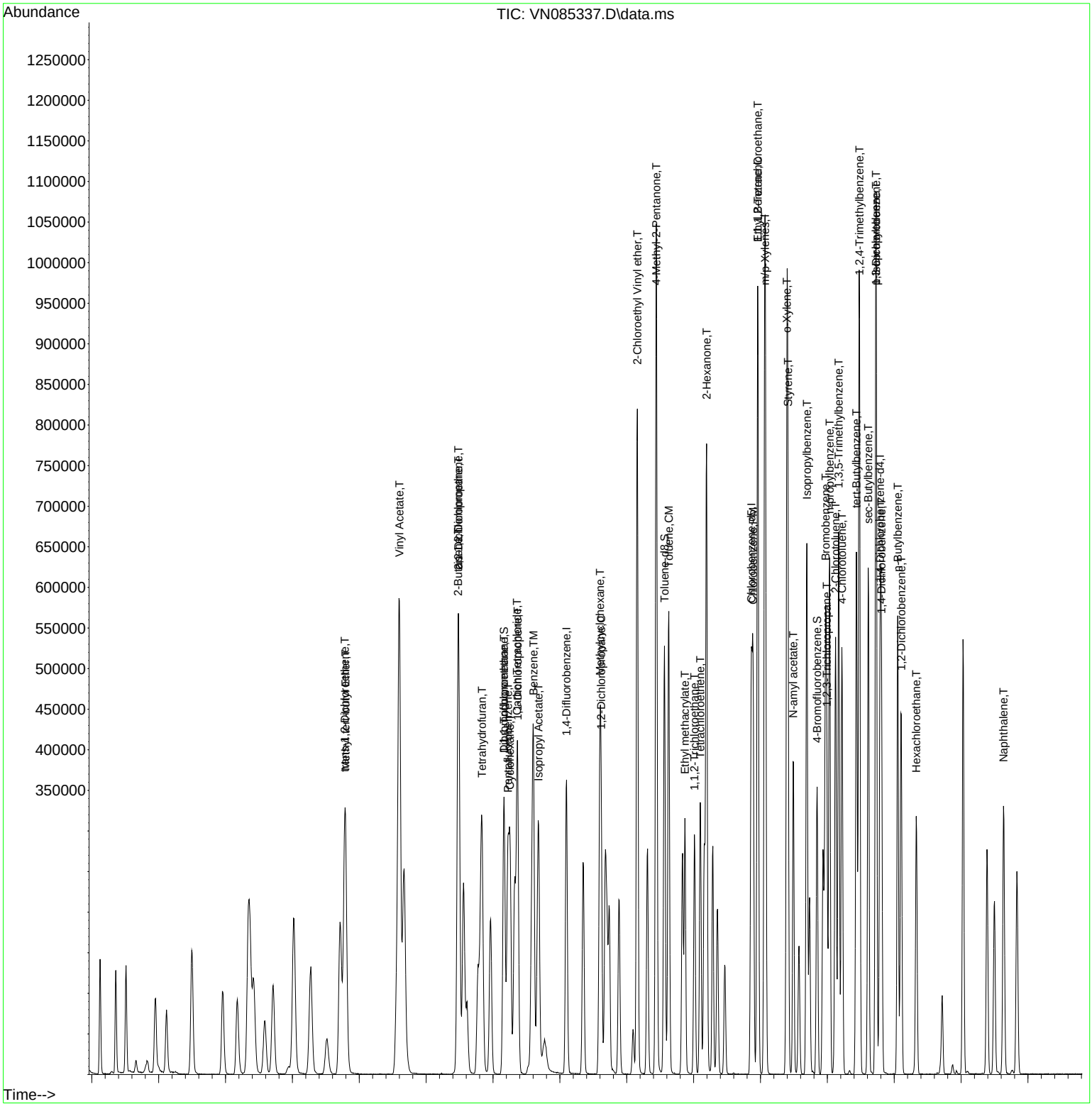
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

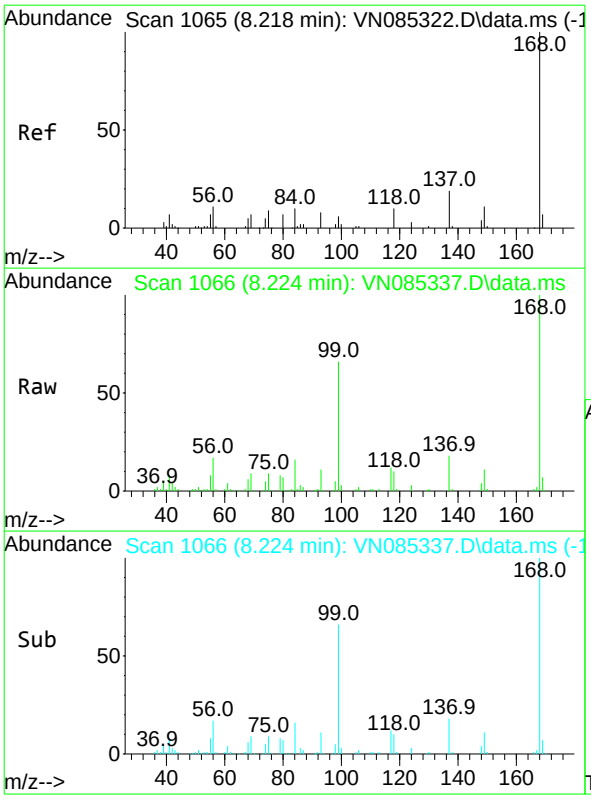
Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

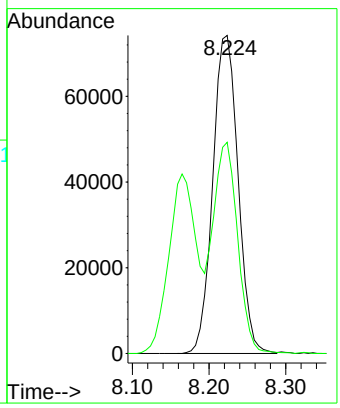




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:168 Resp: 169838

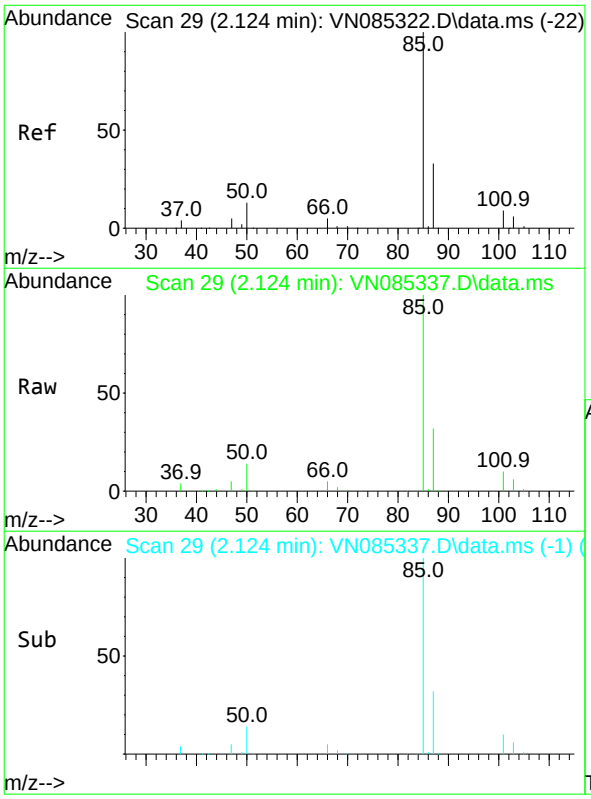
Ion	Ratio	Lower	Upper
168	100		
99	66.1	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

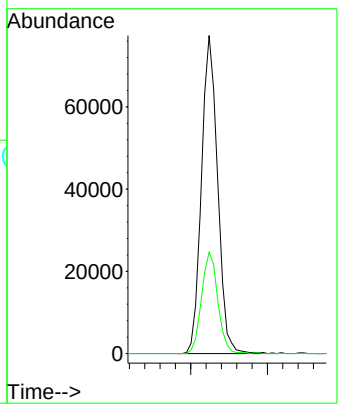
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

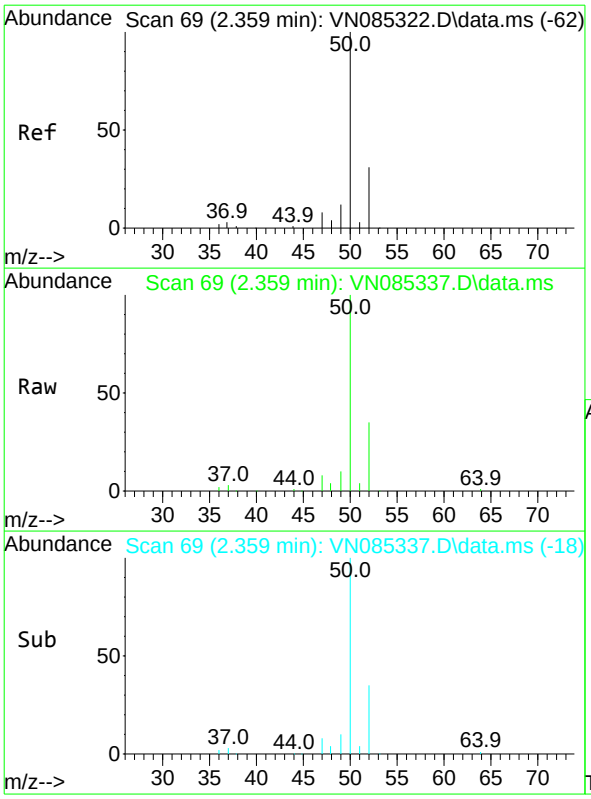


#2
Dichlorodifluoromethane
Concen: 49.249 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 85 Resp: 113123

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.8	50.3

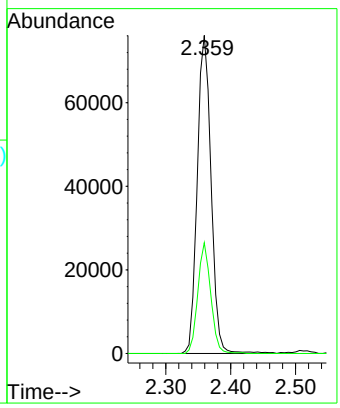




#3
Chloromethane
Concen: 43.706 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 50 Resp: 112831

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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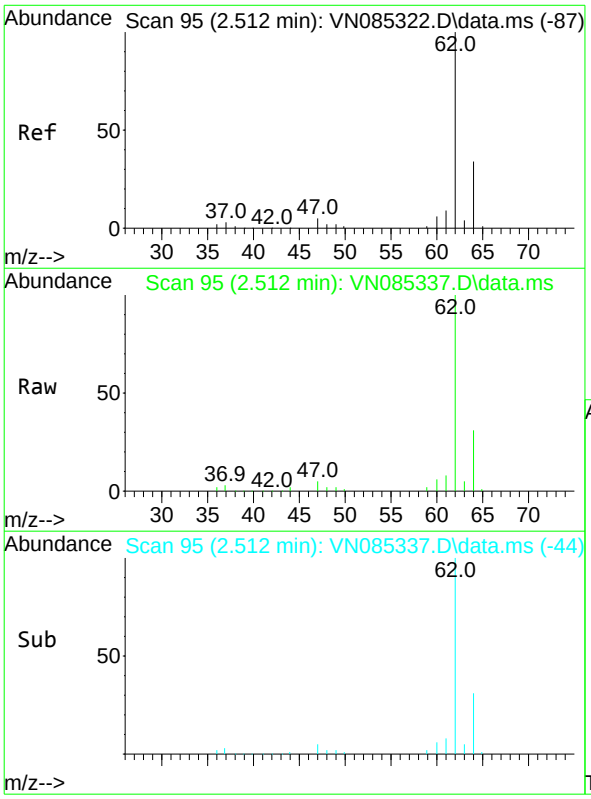
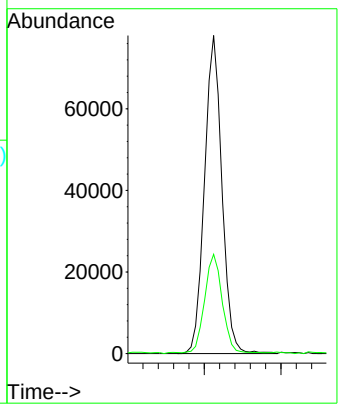
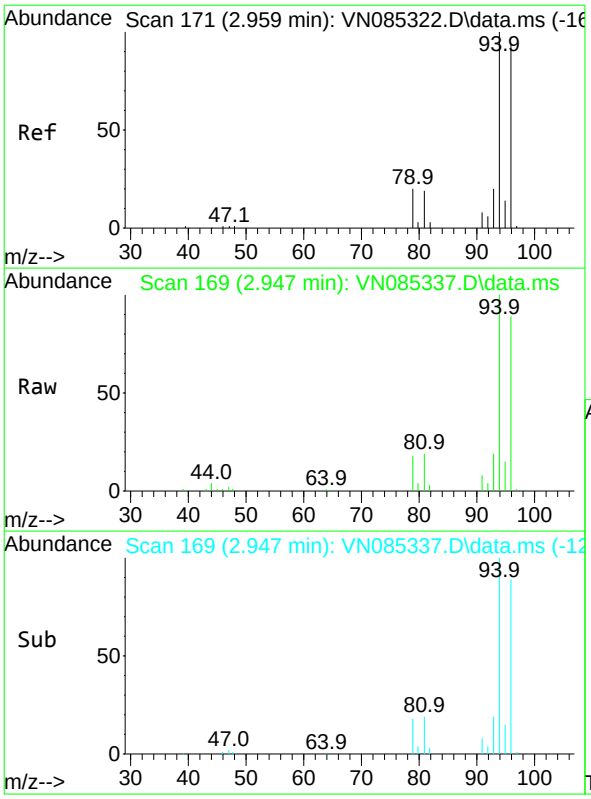


#4
Vinyl Chloride
Concen: 44.993 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 62 Resp: 122843

Ion	Ratio	Lower	Upper
62	100		
64	30.9	27.0	40.6

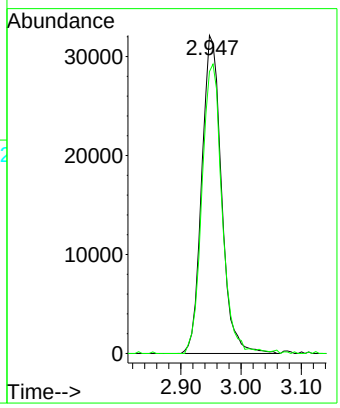




#5
Bromomethane
Concen: 40.830 ug/l
RT: 2.947 min Scan# 16
Delta R.T. -0.012 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 94 Resp: 72906

Ion	Ratio	Lower	Upper
94	100		
96	88.6	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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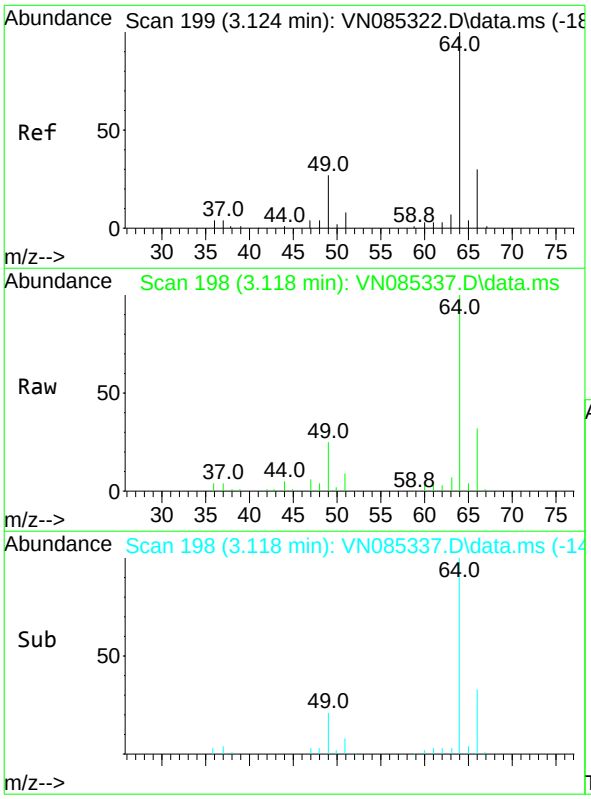
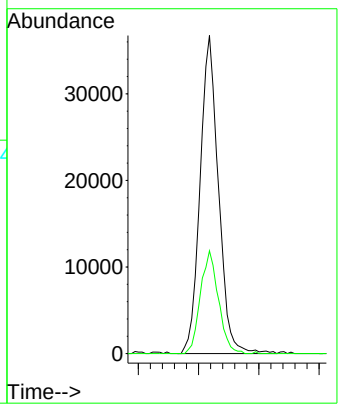
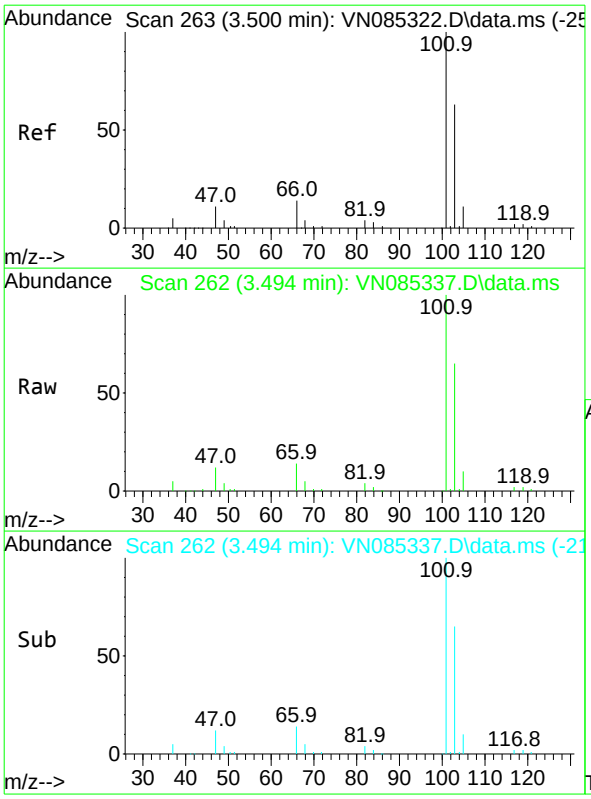


#6
Chloroethane
Concen: 44.963 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 64 Resp: 77851

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.1	36.1

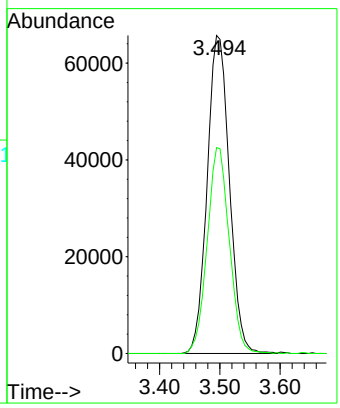




#7
Trichlorofluoromethane
Concen: 46.925 ug/l
RT: 3.494 min Scan# 26
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:101 Resp: 168414

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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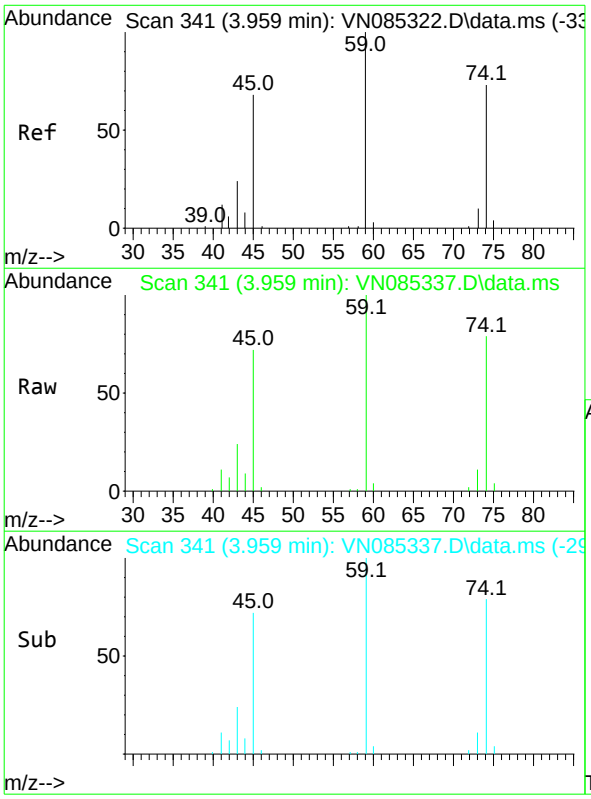
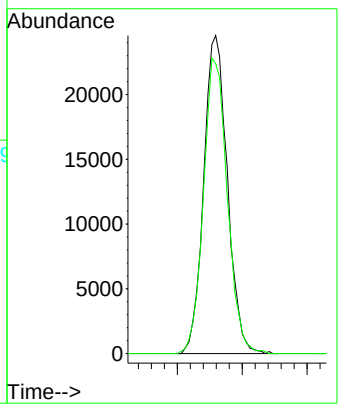
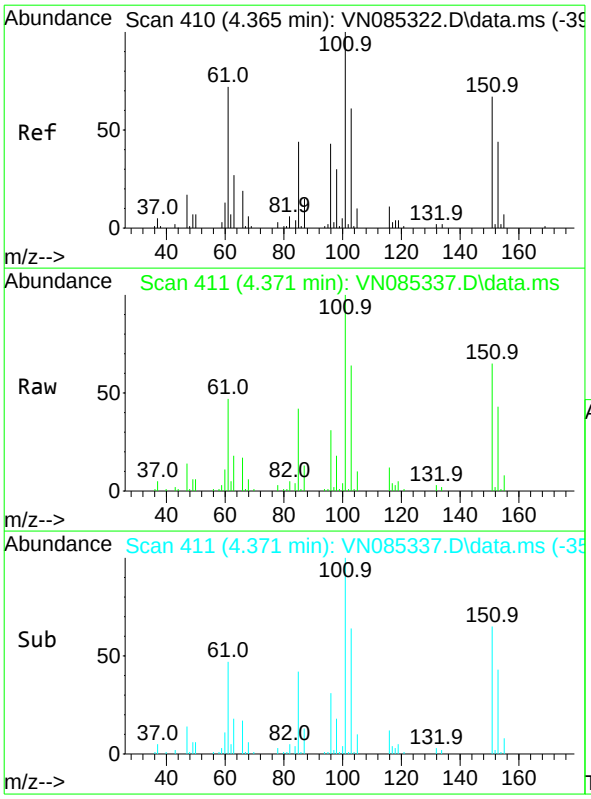


#8
Diethyl Ether
Concen: 52.307 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 74 Resp: 62159

Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.5	142.6

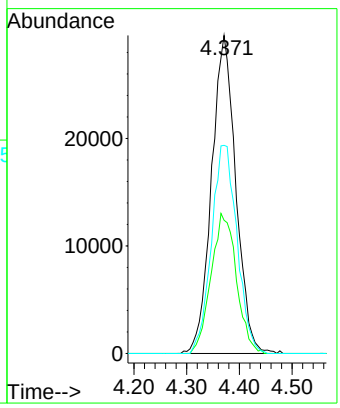




#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.360 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:101 Resp: 94675

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	68.8	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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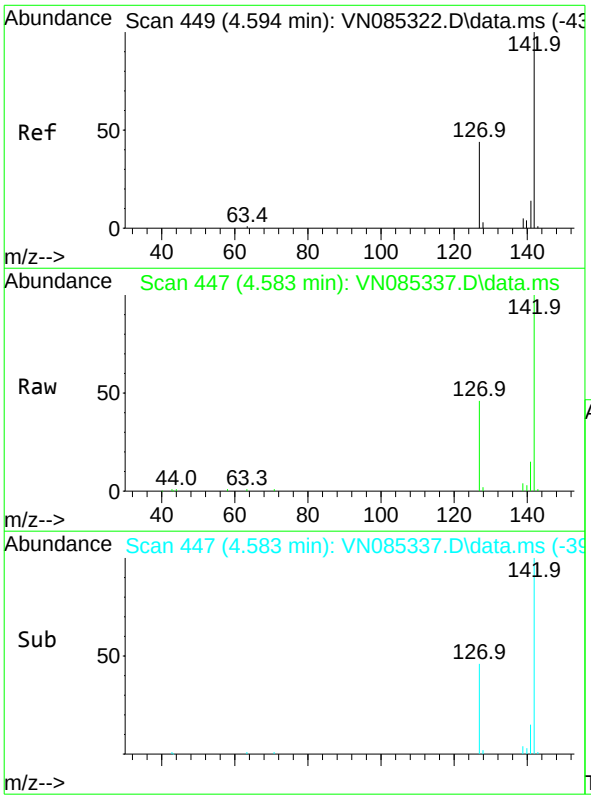
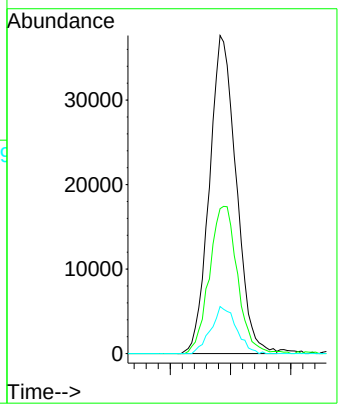
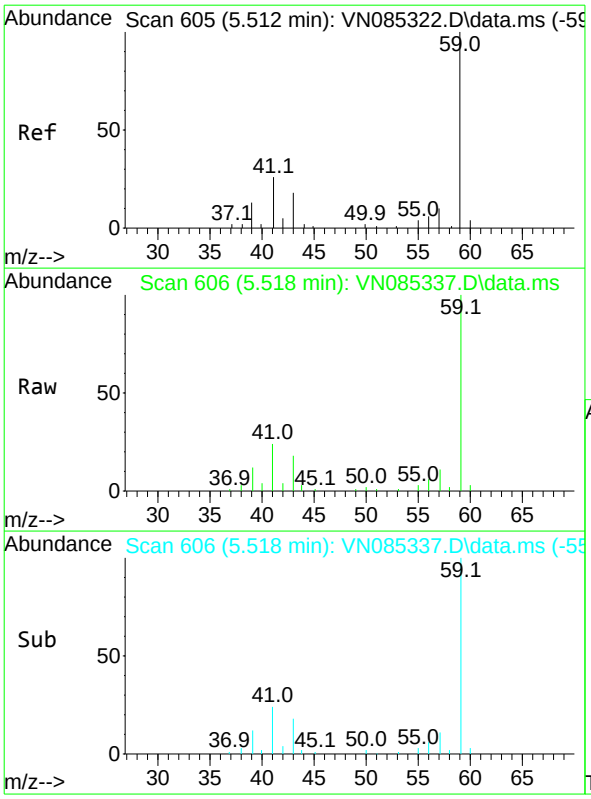


#10
Methyl Iodide
Concen: 49.261 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:142 Resp: 116418

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.3	52.9
141	14.8	11.5	17.3

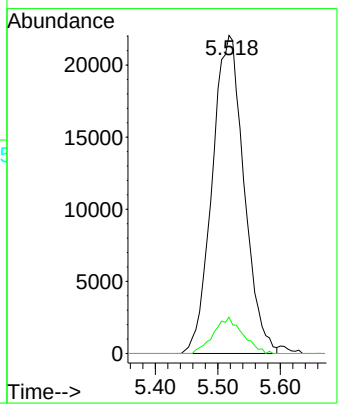




#11
Tert butyl alcohol
Concen: 257.112 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 59 Resp: 77990

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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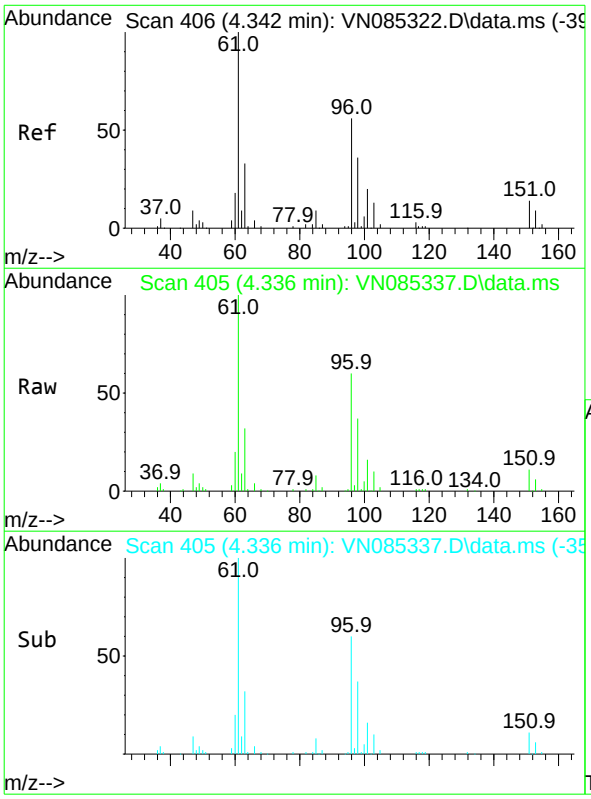
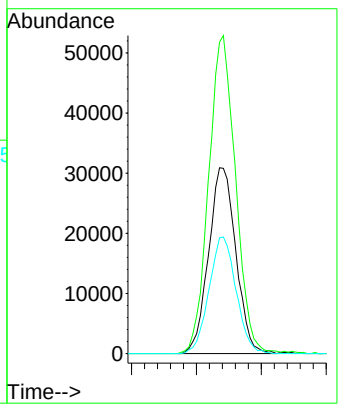
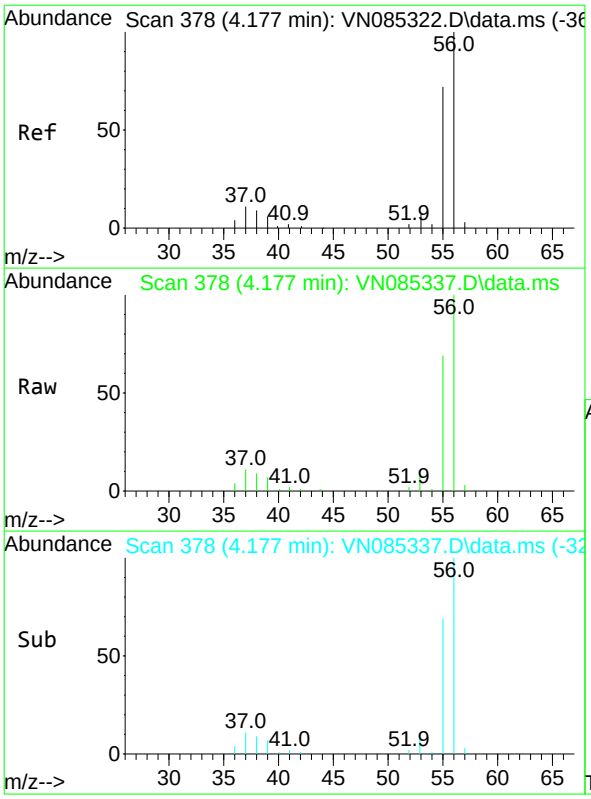


#12
1,1-Dichloroethene
Concen: 47.837 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 96 Resp: 90284

Ion	Ratio	Lower	Upper
96	100		
61	167.6	142.4	213.6
98	62.3	51.5	77.3

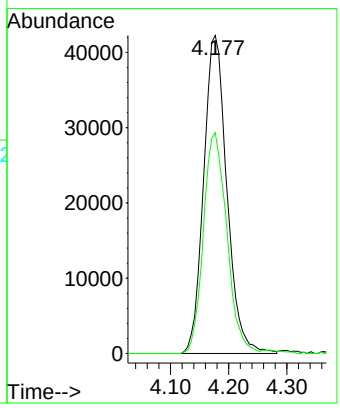




#13
Acrolein
Concen: 248.168 ug/l
RT: 4.177 min Scan# 37
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 56 Resp: 117362

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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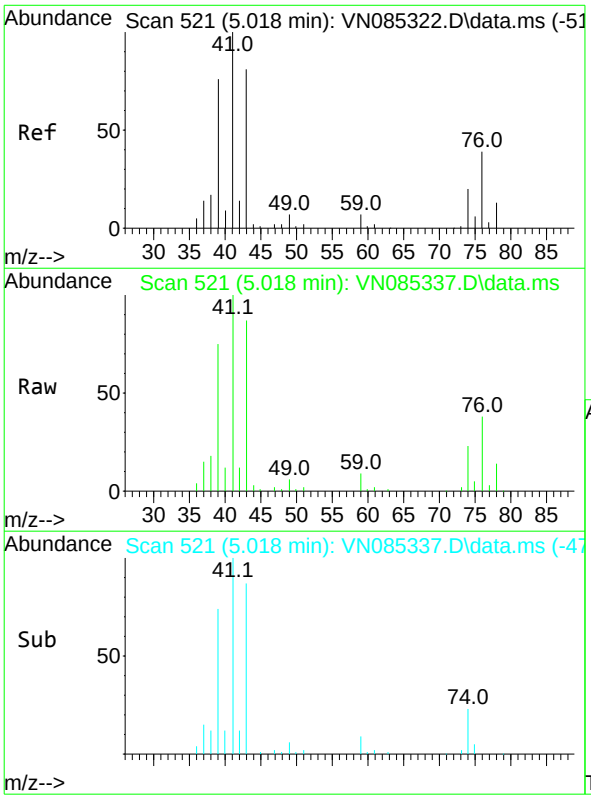
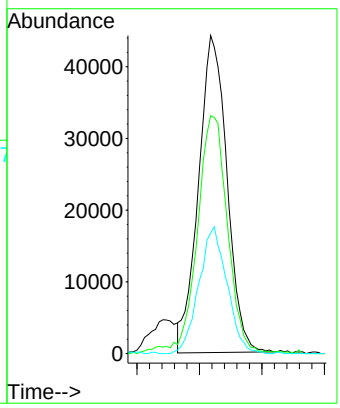
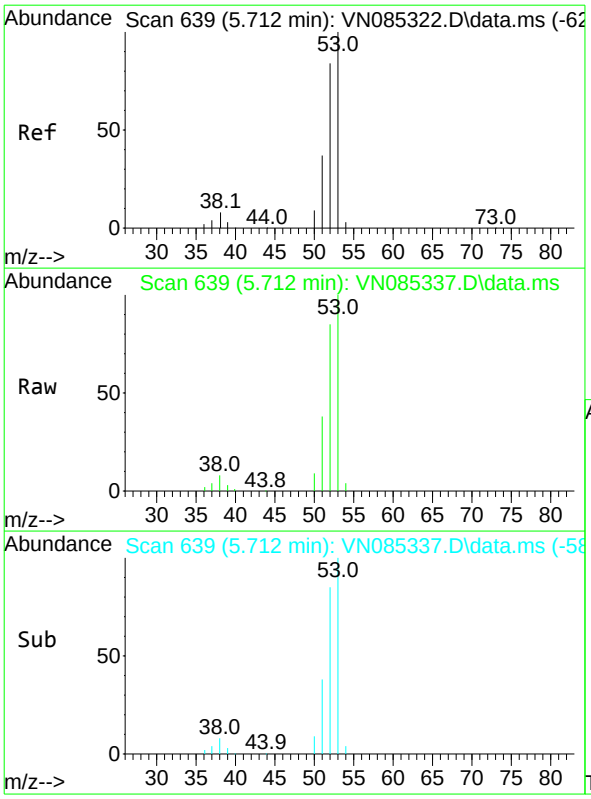


#14
Allyl chloride
Concen: 46.385 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 41 Resp: 140110

Ion	Ratio	Lower	Upper
41	100		
39	77.2	64.4	96.6
76	39.5	31.5	47.3

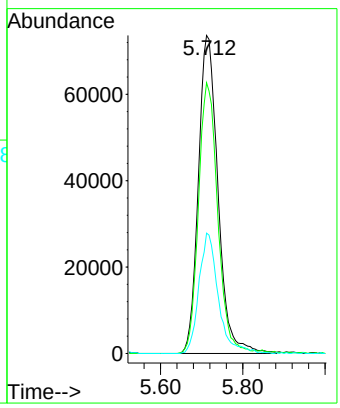




#15
Acrylonitrile
Concen: 255.570 ug/l
RT: 5.712 min Scan# 63
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 53 Resp: 243992

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.4	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
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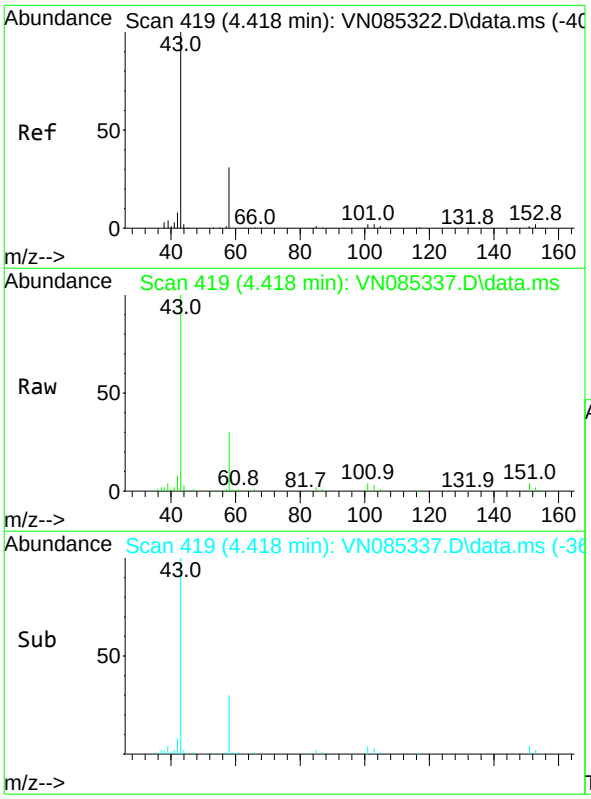
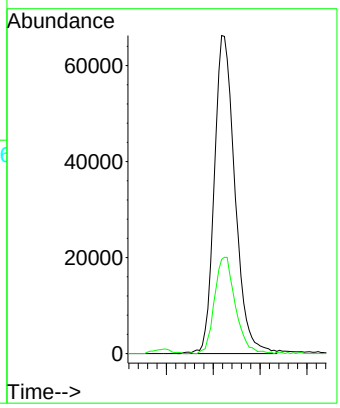
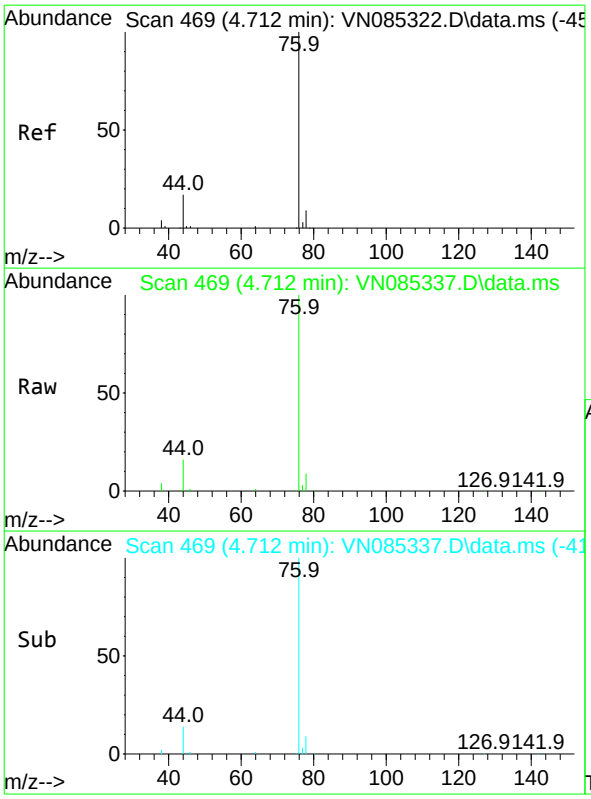


#16
Acetone
Concen: 254.740 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 202911

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.5	36.7

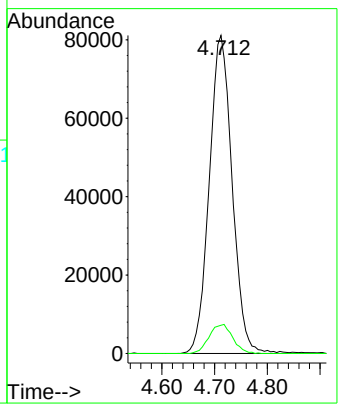




#17
Carbon Disulfide
Concen: 42.538 ug/l
RT: 4.712 min Scan# 46
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 76 Resp: 244238

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
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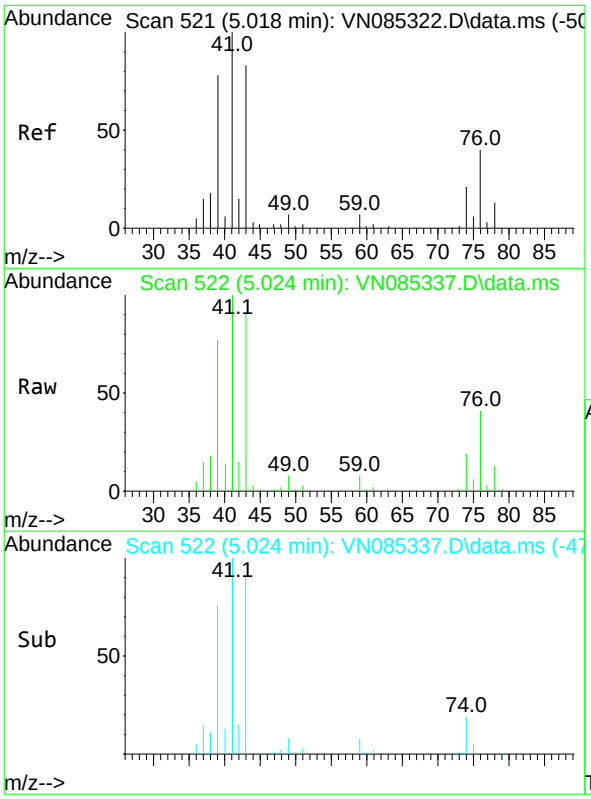
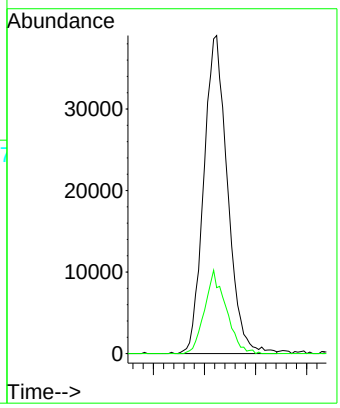
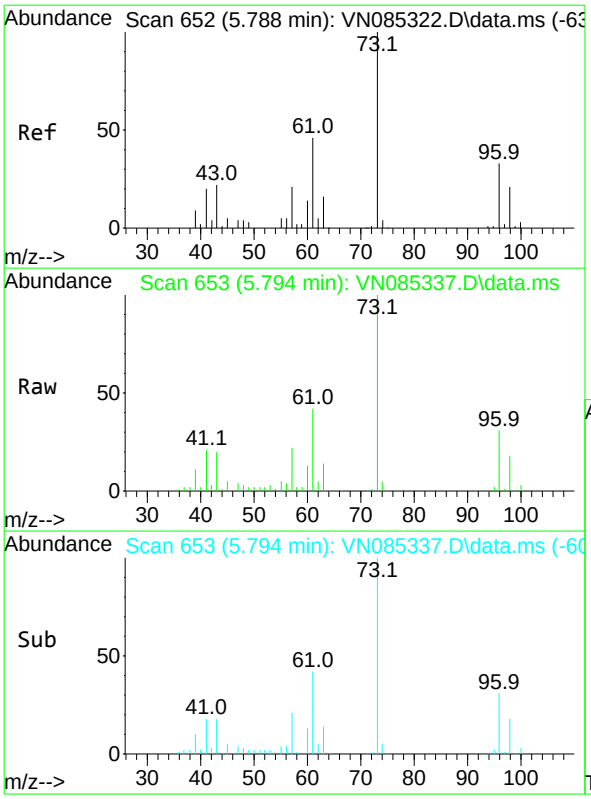


#18
Methyl Acetate
Concen: 51.536 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 125680

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.6

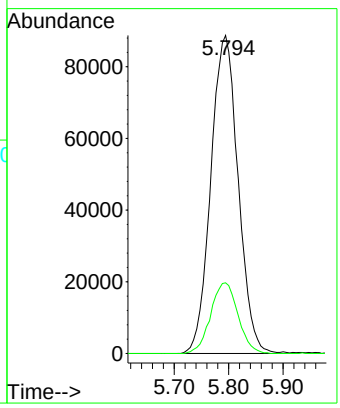




#19
Methyl tert-butyl Ether
Concen: 50.367 ug/l
RT: 5.794 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 73 Resp: 308976

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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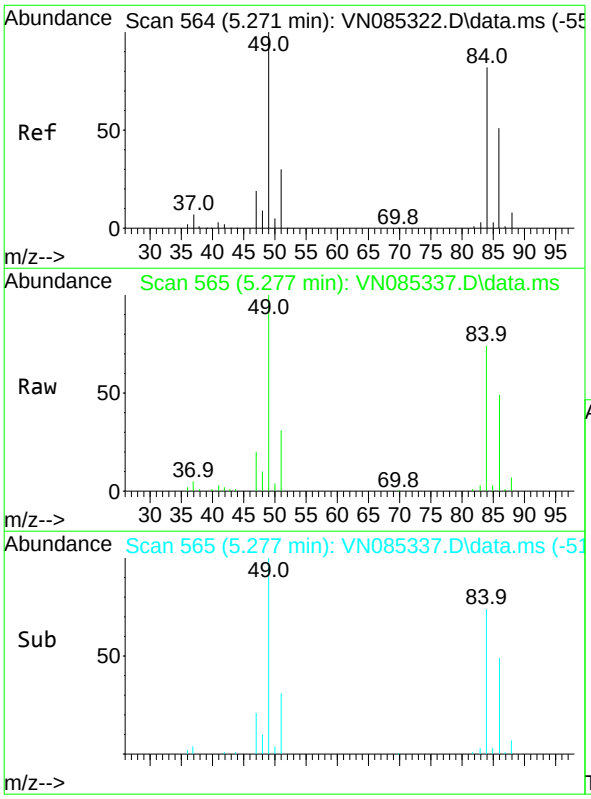
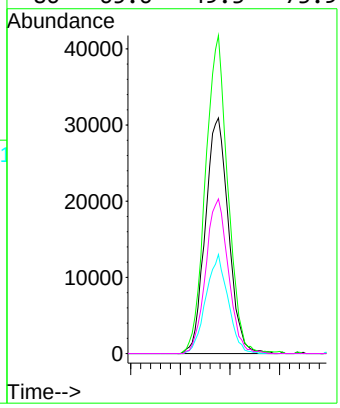
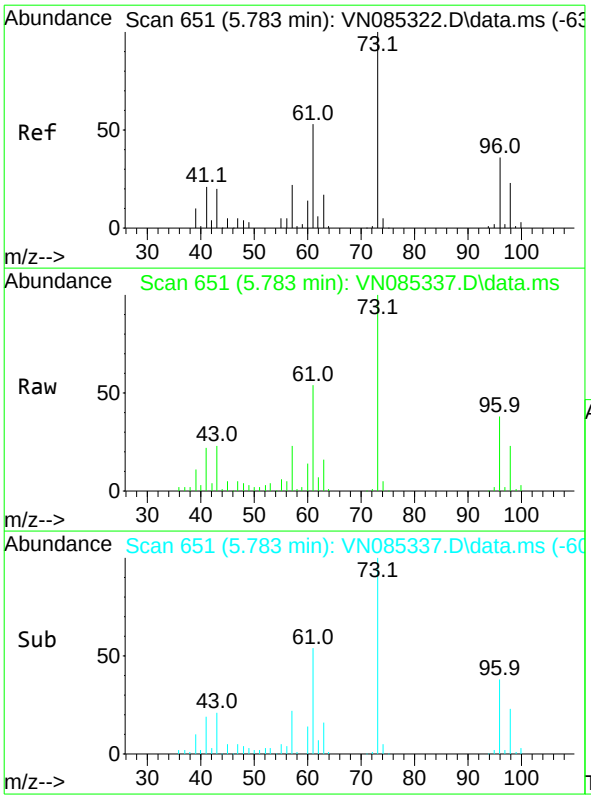


#20
Methylene Chloride
Concen: 46.795 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 84 Resp: 100258

Ion	Ratio	Lower	Upper
84	100		
49	135.0	97.6	146.4
51	42.1	29.1	43.7
86	65.6	49.3	73.9

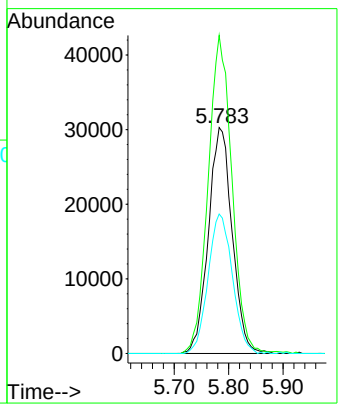




#21
trans-1,2-Dichloroethene
Concen: 46.608 ug/l
RT: 5.783 min Scan# 65
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 96 Resp: 91889

Ion	Ratio	Lower	Upper
96	100		
61	140.8	118.0	177.0
98	61.7	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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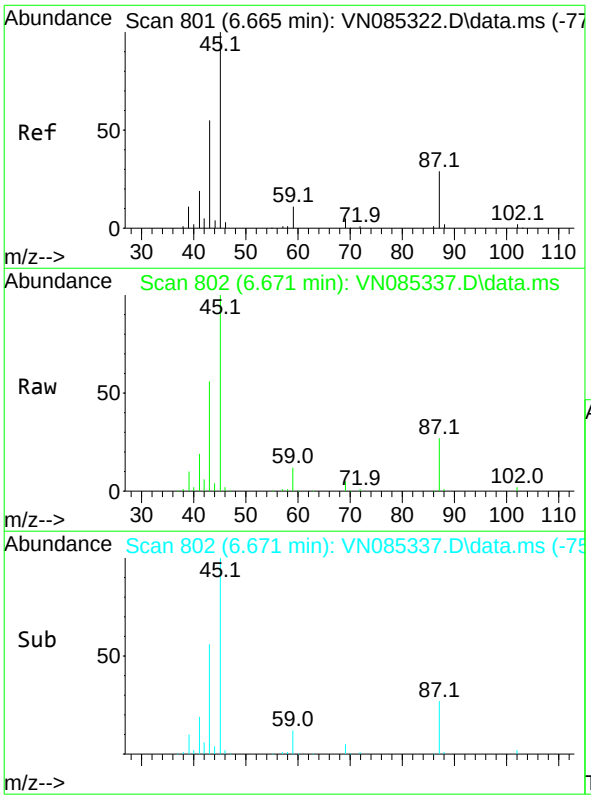
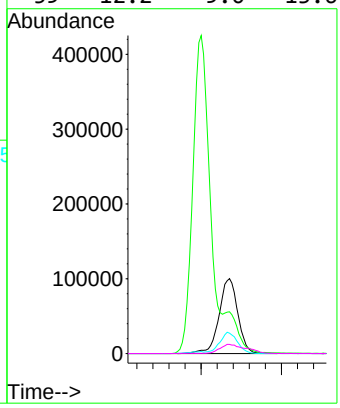
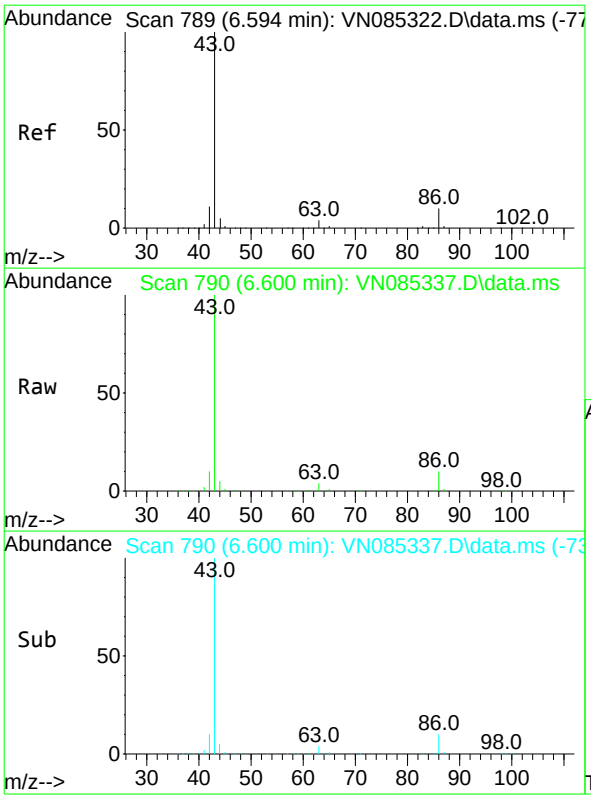


#22
Diisopropyl ether
Concen: 49.987 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 45 Resp: 325374

Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.1	66.1
87	27.2	23.2	34.8
59	12.2	9.0	13.6

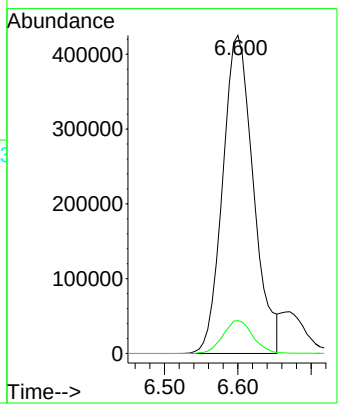




#23
Vinyl Acetate
Concen: 263.034 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 1238586

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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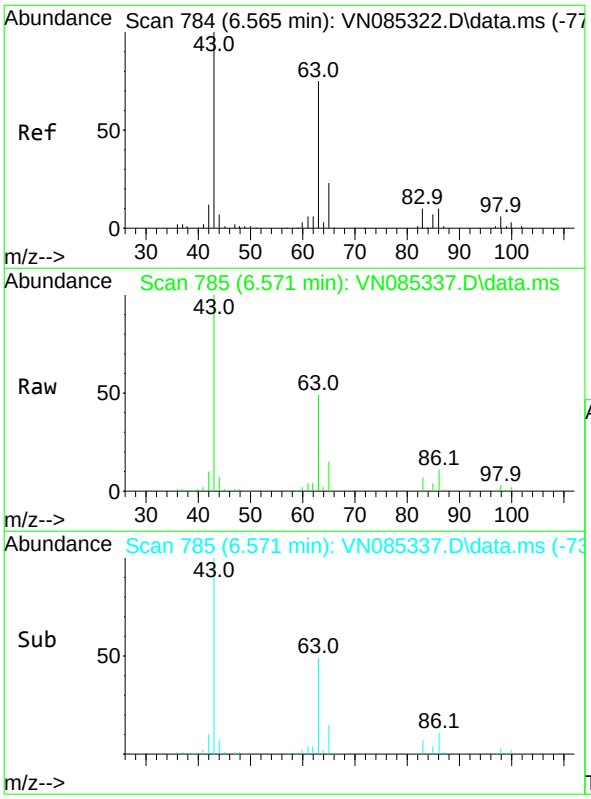
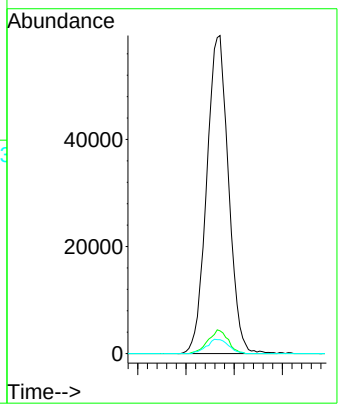
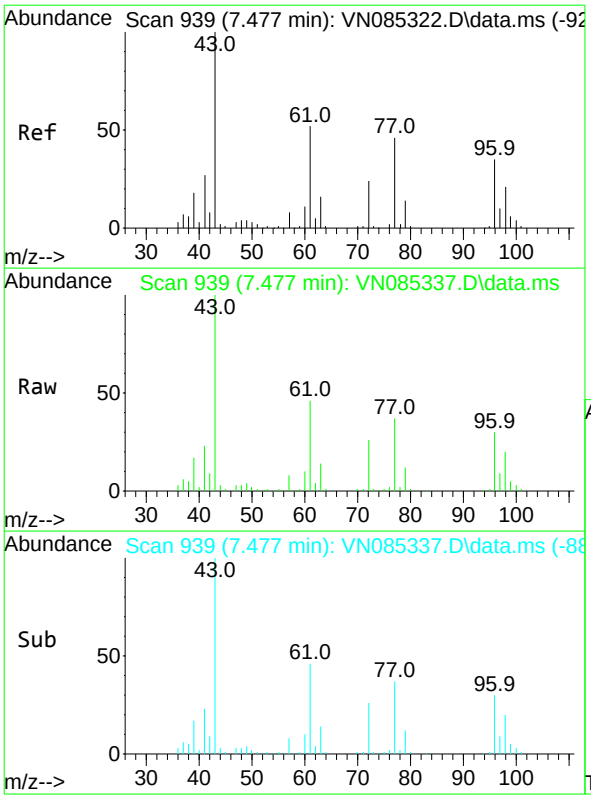


#24
1,1-Dichloroethane
Concen: 47.530 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 63 Resp: 186368

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.4	2.3	6.8

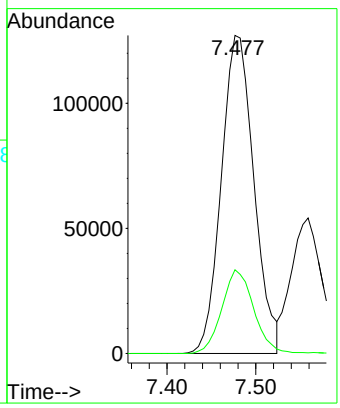




#25
2-Butanone
Concen: 262.964 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 324958

Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
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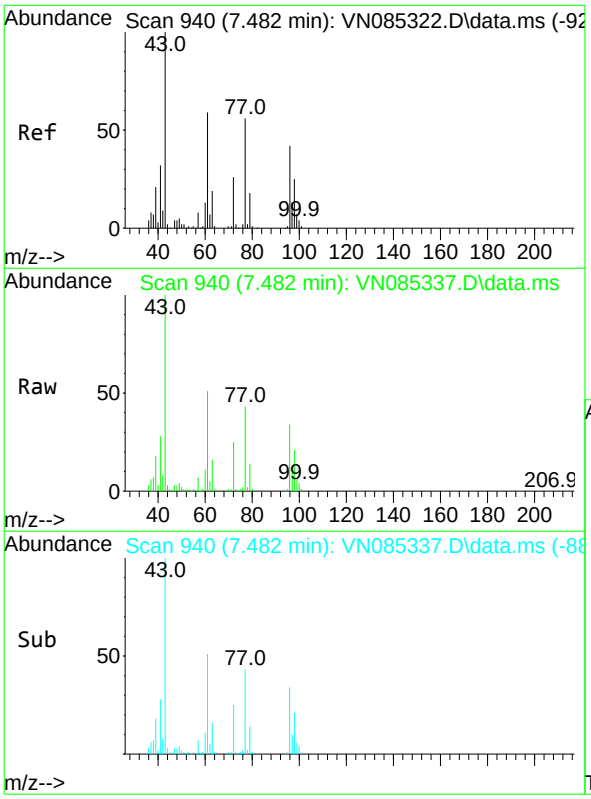
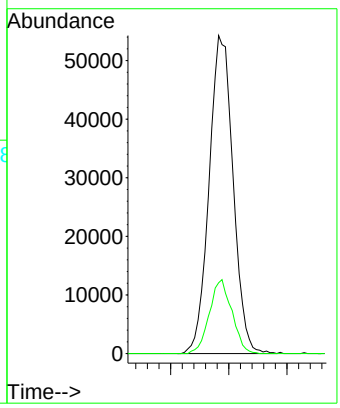
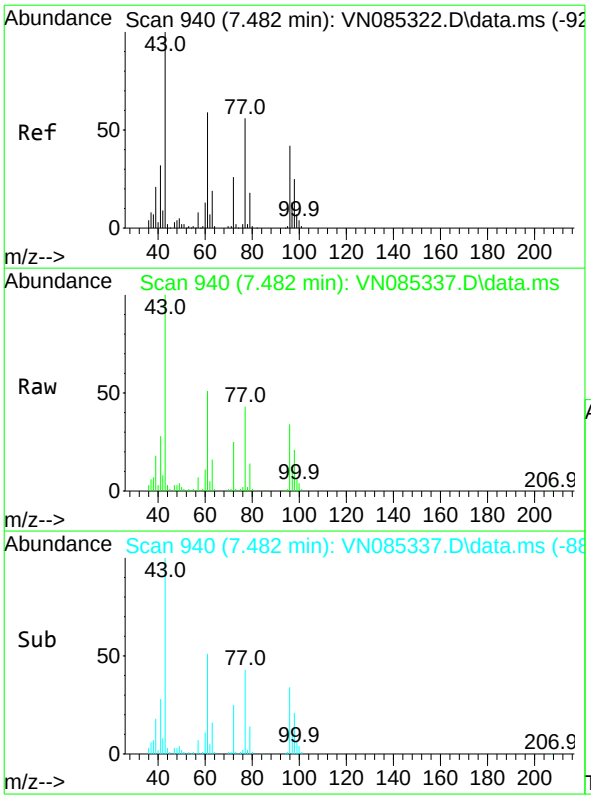


#26
2,2-Dichloropropane
Concen: 45.241 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 77 Resp: 155415

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.6	31.8

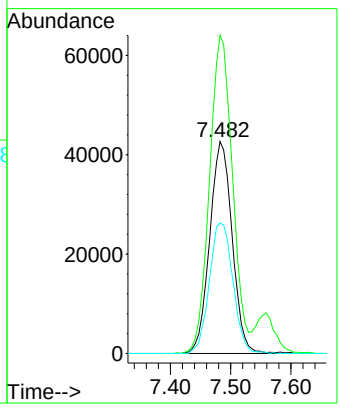




#27
cis-1,2-Dichloroethene
Concen: 47.812 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 96 Resp: 110639

Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	296.4
98	64.5	0.0	124.2



Instrument :
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ClientSampleId :
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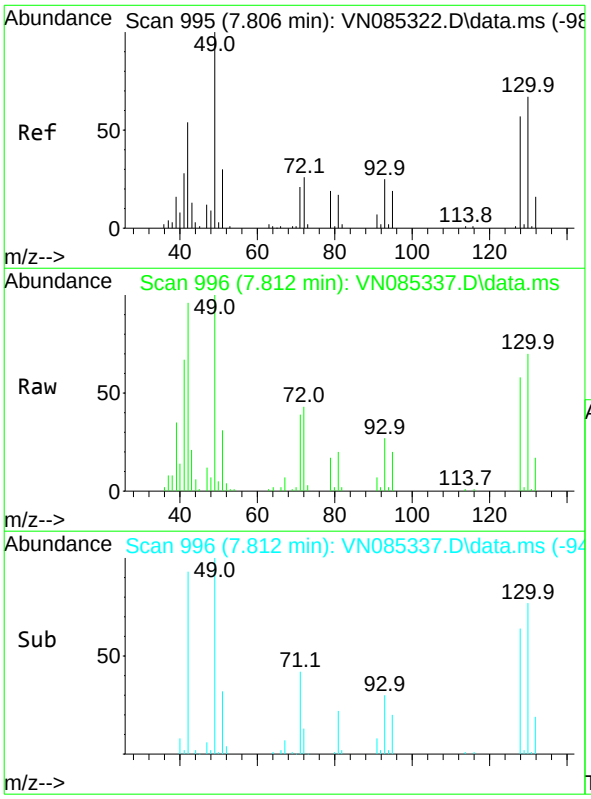
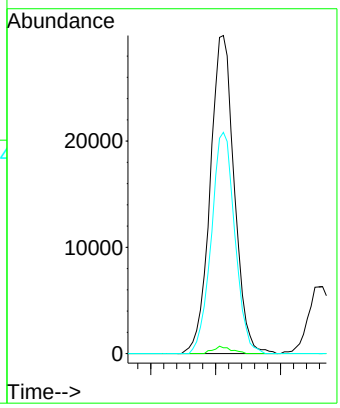
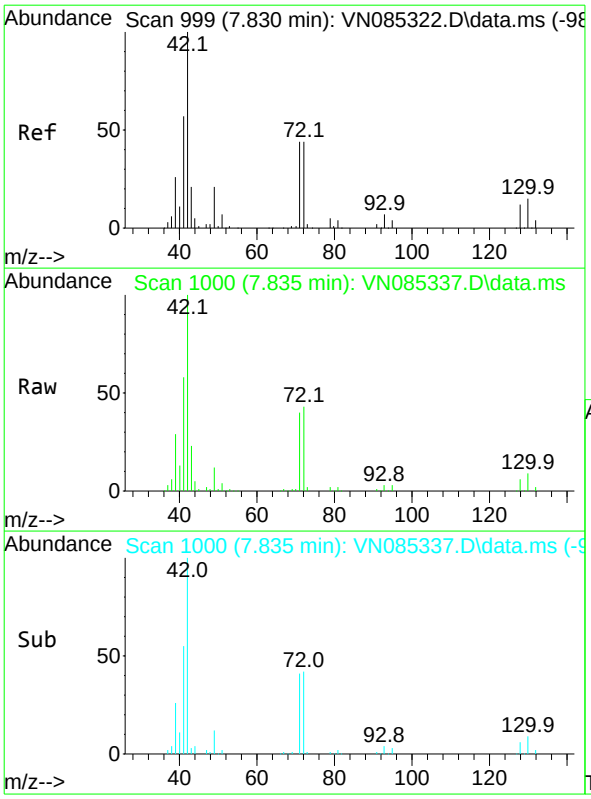


#28
Bromochloromethane
Concen: 42.276 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 49 Resp: 77034

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	68.0	0.0	0.0#

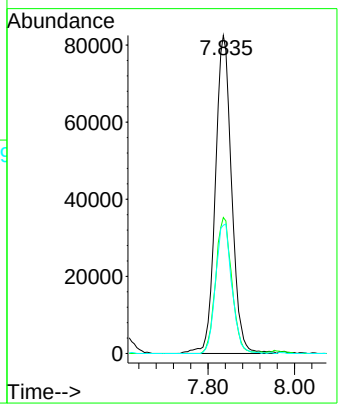




#29
Tetrahydrofuran
Concen: 271.082 ug/l
RT: 7.835 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 42 Resp: 215784

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.1	52.7
71	40.7	33.4	50.0



Instrument :
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ClientSampleId :
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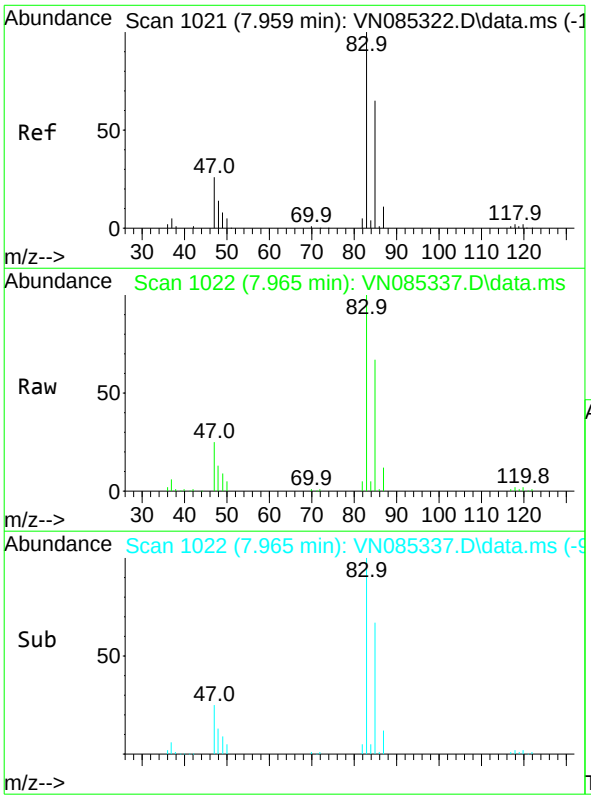
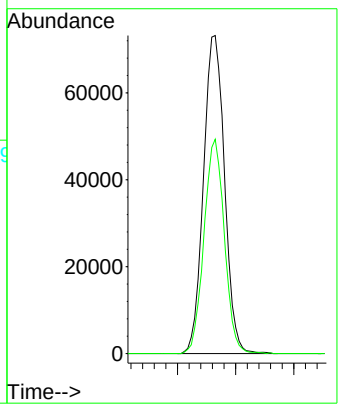
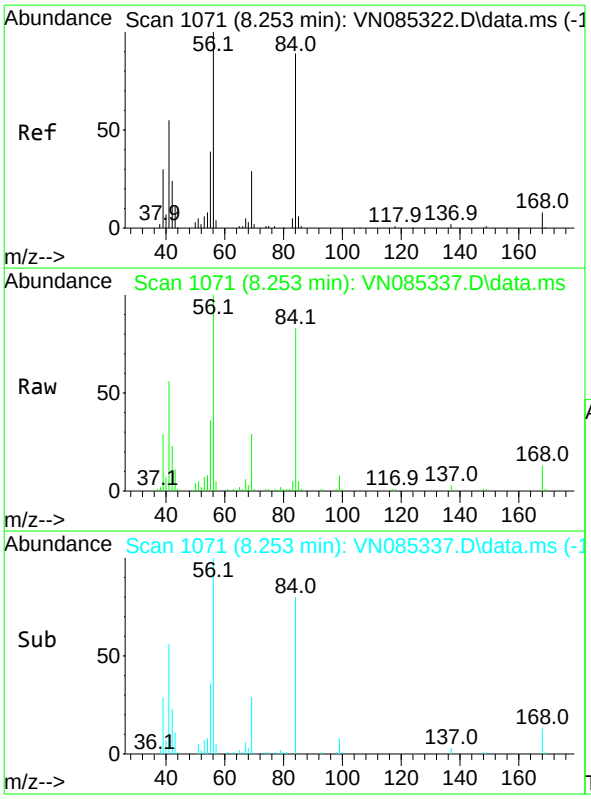


#30
Chloroform
Concen: 45.890 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 83 Resp: 184082

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.0	78.0

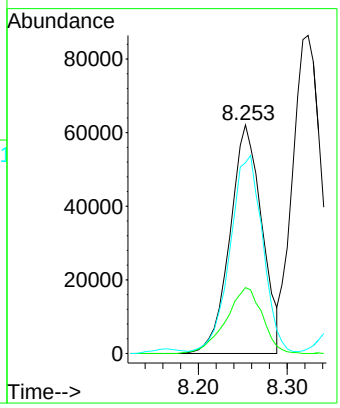




#31
Cyclohexane
Concen: 43.379 ug/l
RT: 8.253 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 56 Resp: 155315

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	82.1	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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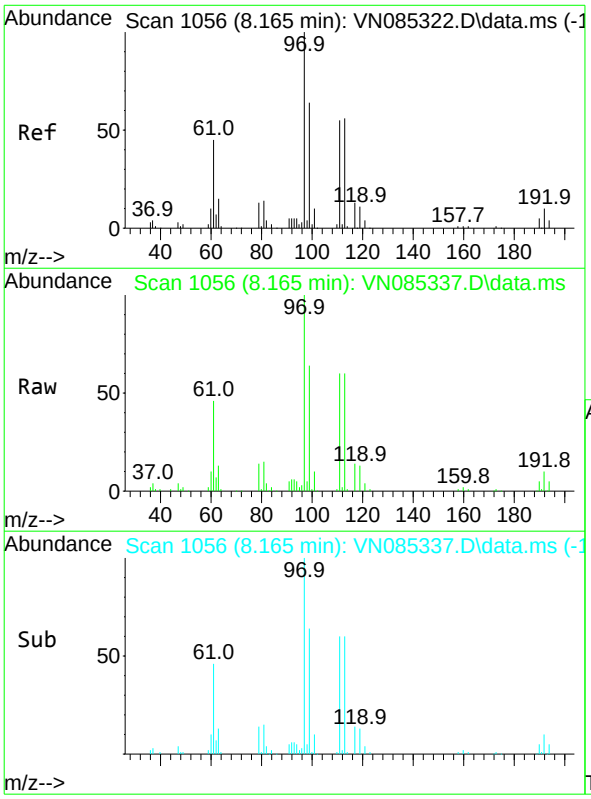
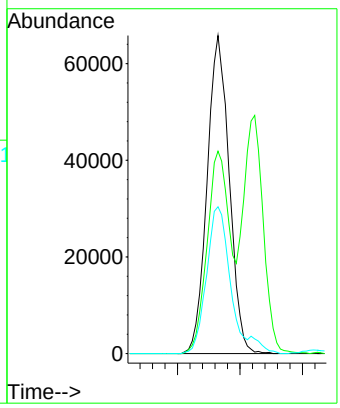
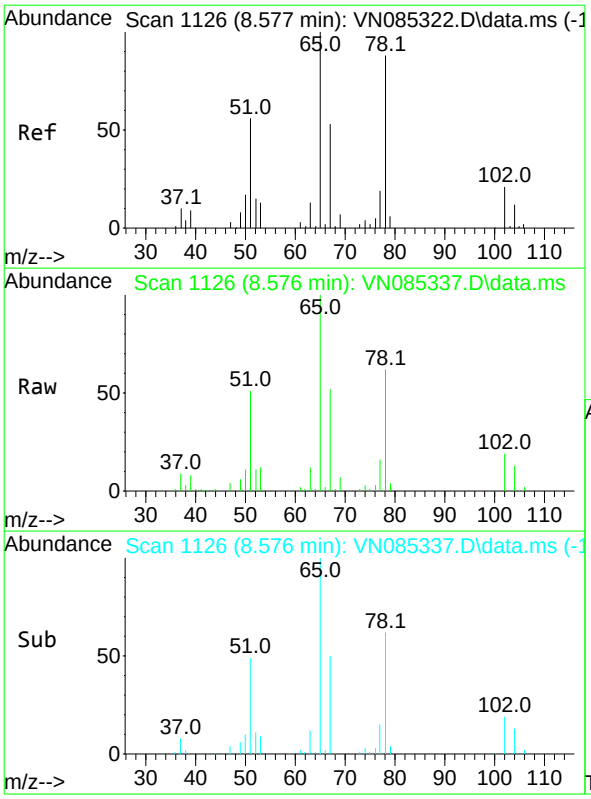


#32
1,1,1-Trichloroethane
Concen: 45.147 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 97 Resp: 161741

Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.3	79.9
61	48.1	39.6	59.4

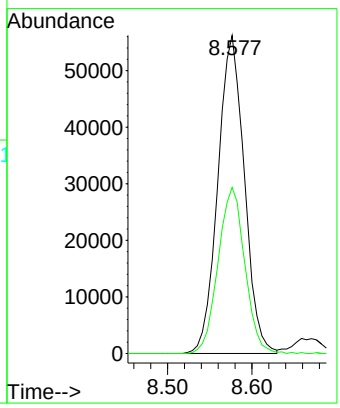




#33
1,2-Dichloroethane-d4
Concen: 50.594 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 65 Resp: 122557

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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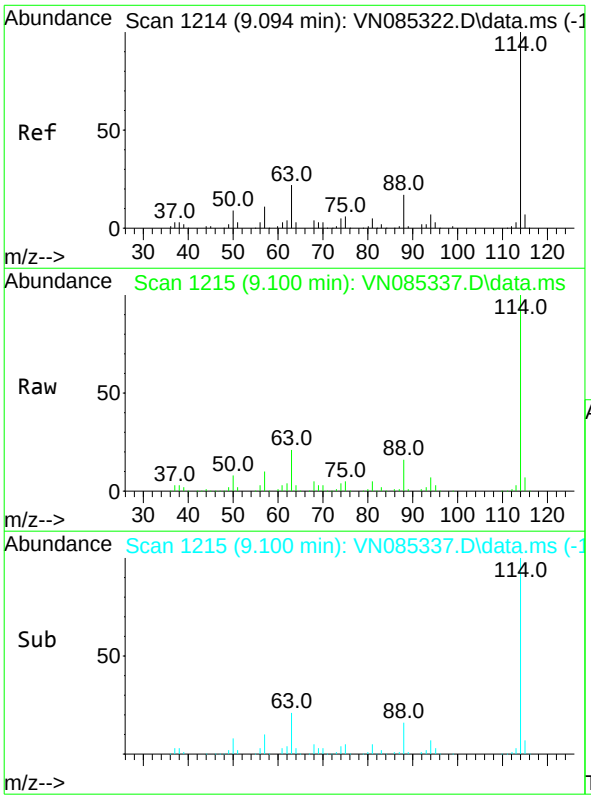
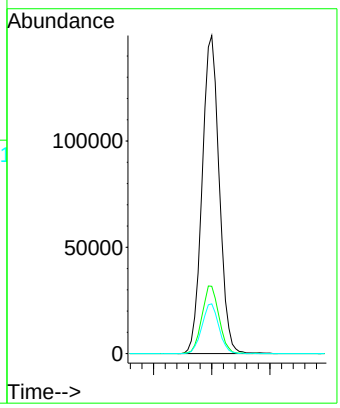
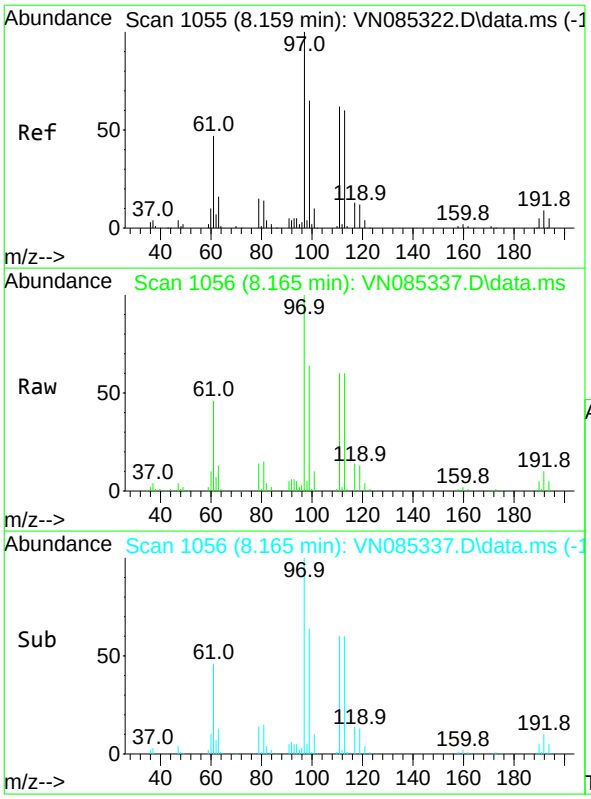


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:114 Resp: 304765

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.4
88	15.6	0.0	33.6

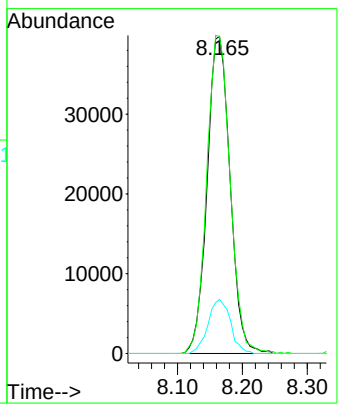




#35
Dibromofluoromethane
Concen: 51.312 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:113 Resp: 97559

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.5	120.7
192	16.7	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
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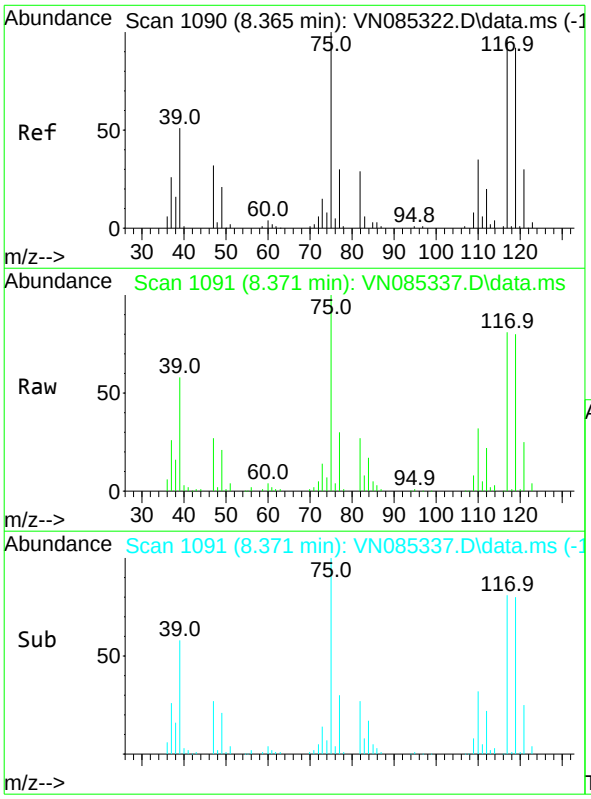
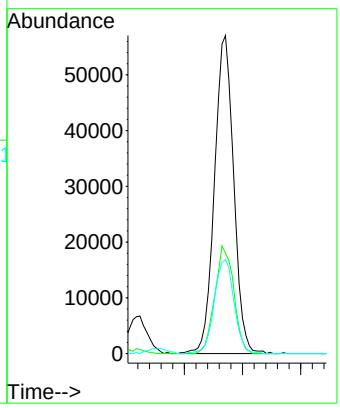
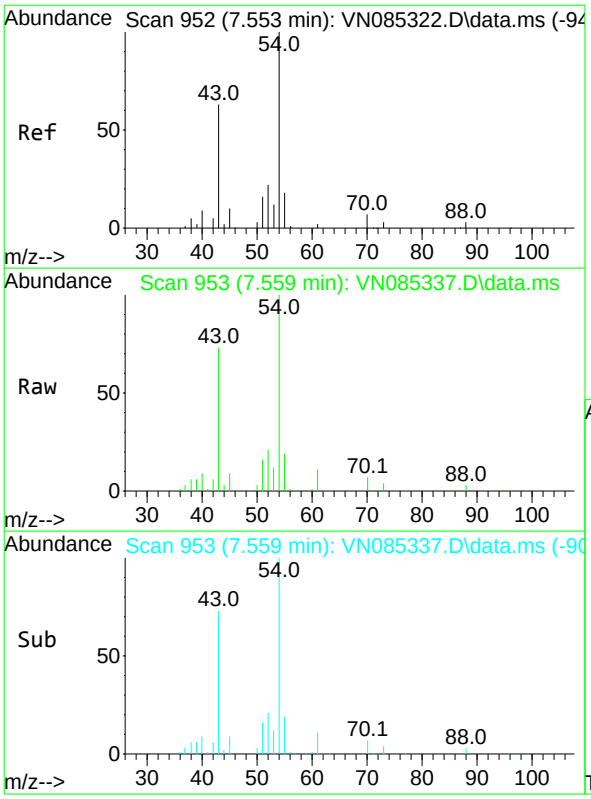


#36
1,1-Dichloropropene
Concen: 47.028 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 130916

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.6	49.8
77	30.6	24.3	36.5

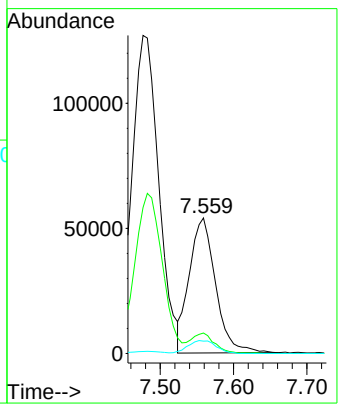




#37
Ethyl Acetate
Concen: 48.579 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 134415

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	10.2	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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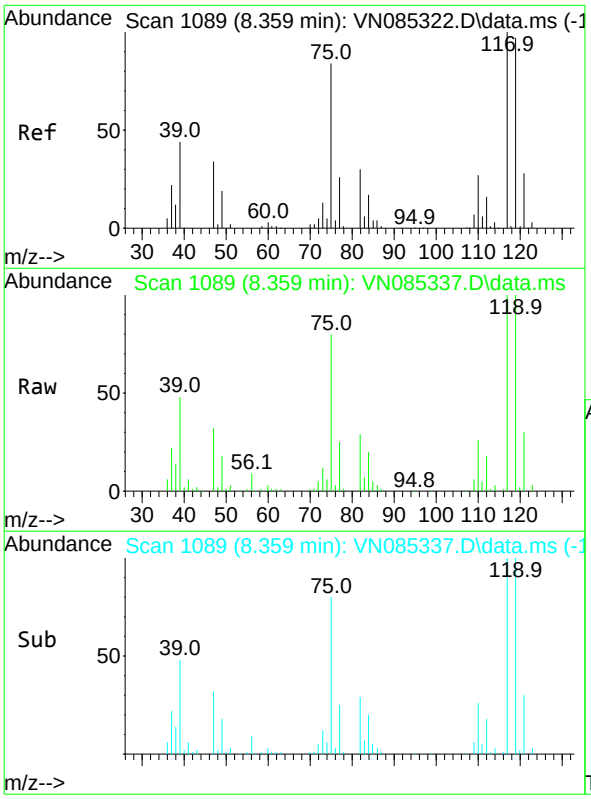
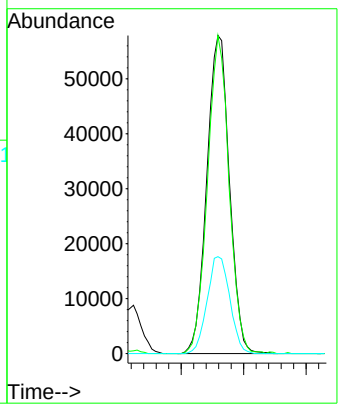
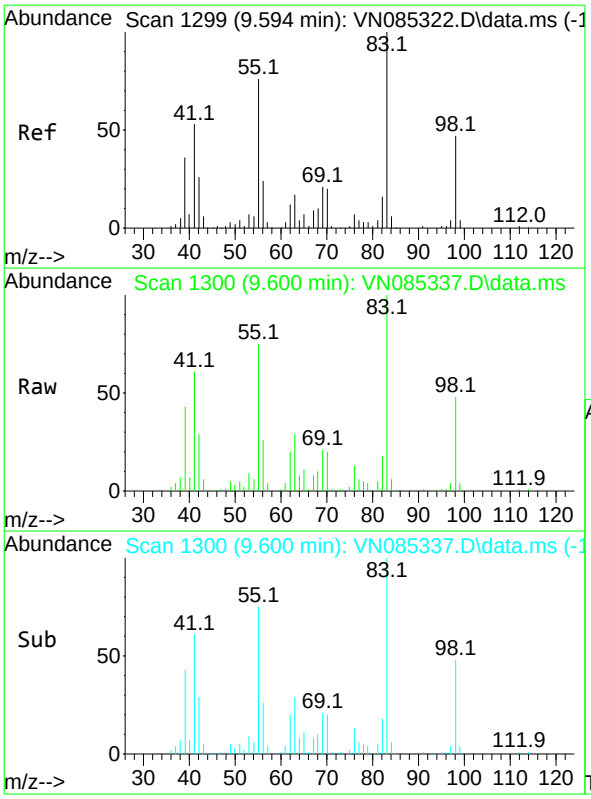


#38
Carbon Tetrachloride
Concen: 47.859 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:117 Resp: 145219

Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.8	116.6
121	30.5	22.5	33.7

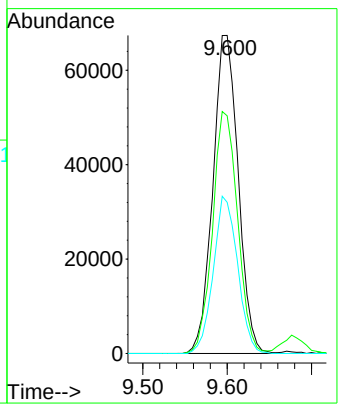




#39
Methylcyclohexane
Concen: 48.731 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 83 Resp: 140749

Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.7	91.1
98	47.5	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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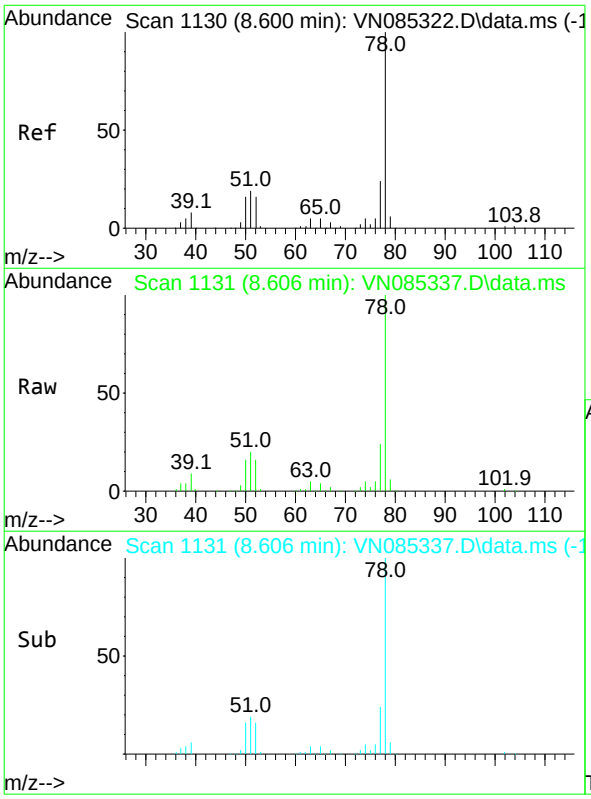
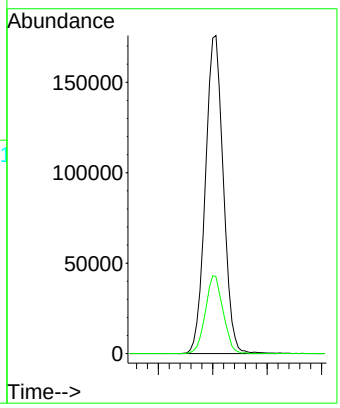
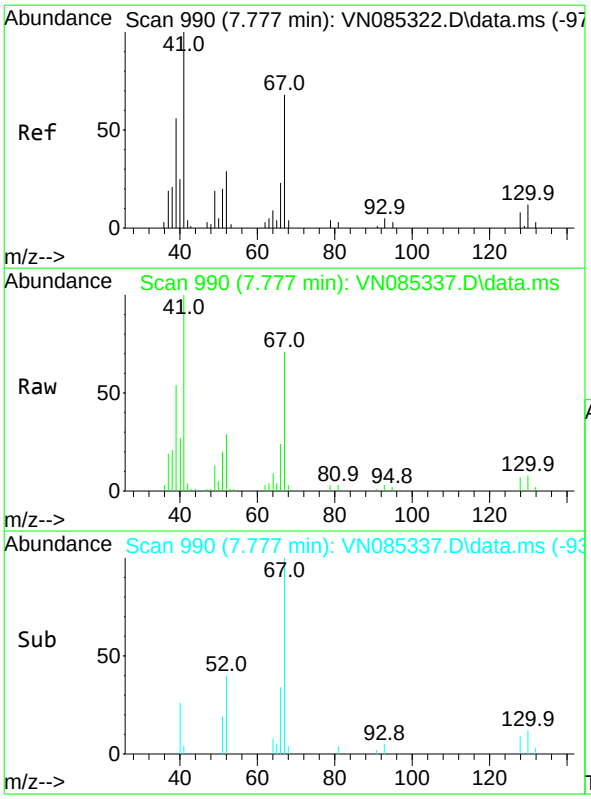


#40
Benzene
Concen: 47.710 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 78 Resp: 401557

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4

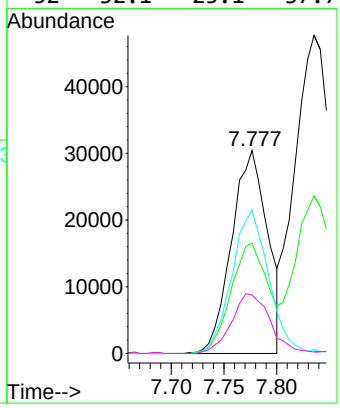




#41
Methacrylonitrile
Concen: 50.926 ug/l
RT: 7.777 min Scan# 99
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 41 Resp: 72165

Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.8
67	73.0	57.1	85.7
52	32.1	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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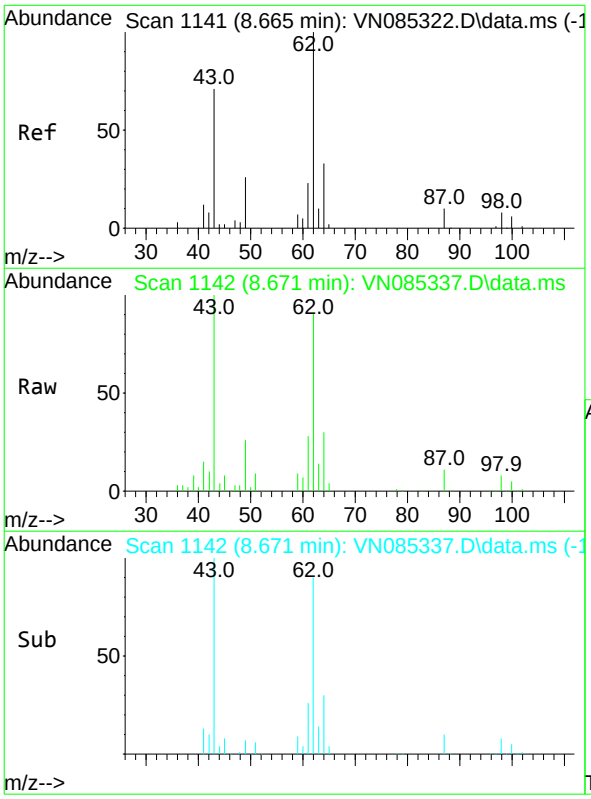
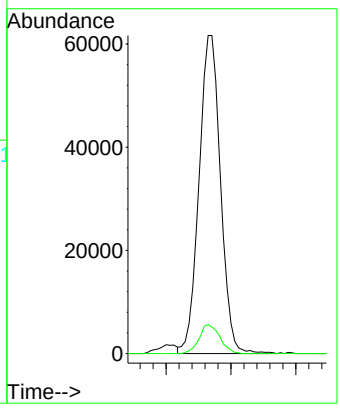
Supervised By :Mahesh Dadoda 12/30/2024

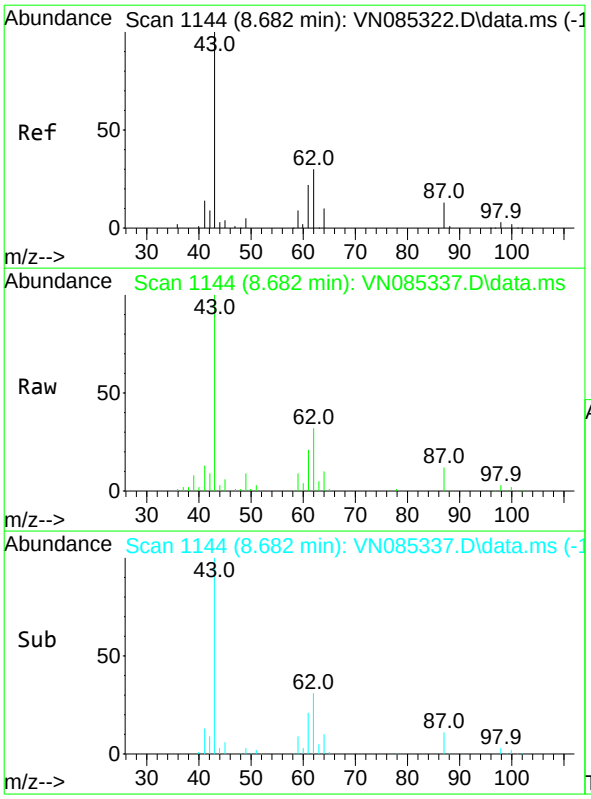


#42
1,2-Dichloroethane
Concen: 47.009 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 62 Resp: 141854

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6

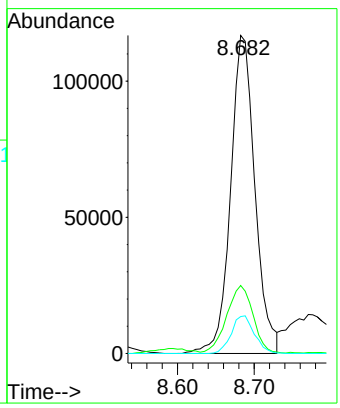




#43
Isopropyl Acetate
Concen: 56.698 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 258318

Ion	Ratio	Lower	Upper
43	100		
61	22.9	20.8	31.2
87	11.2	10.2	15.4



Instrument :
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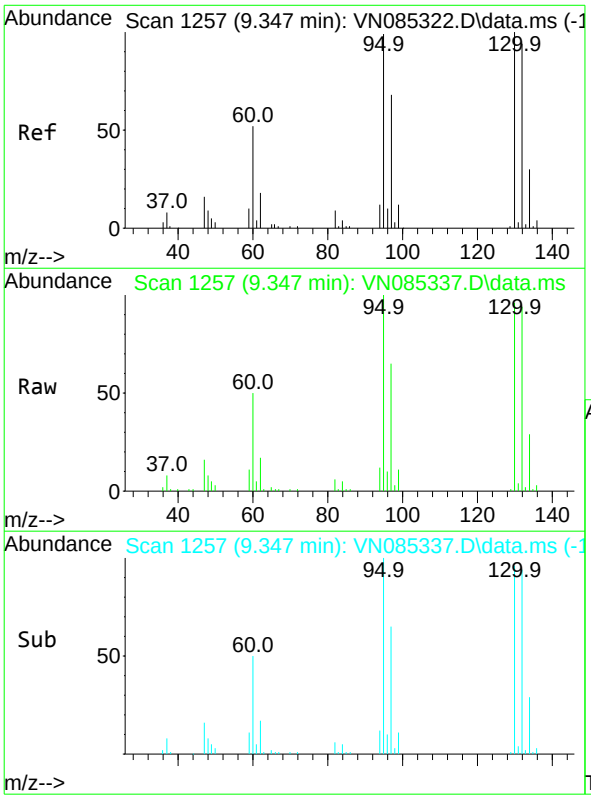
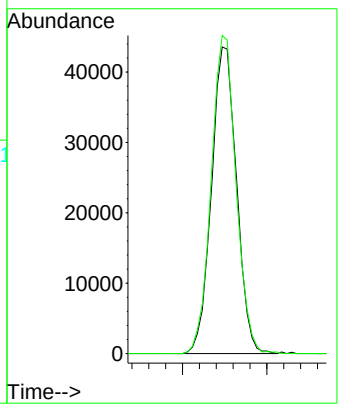
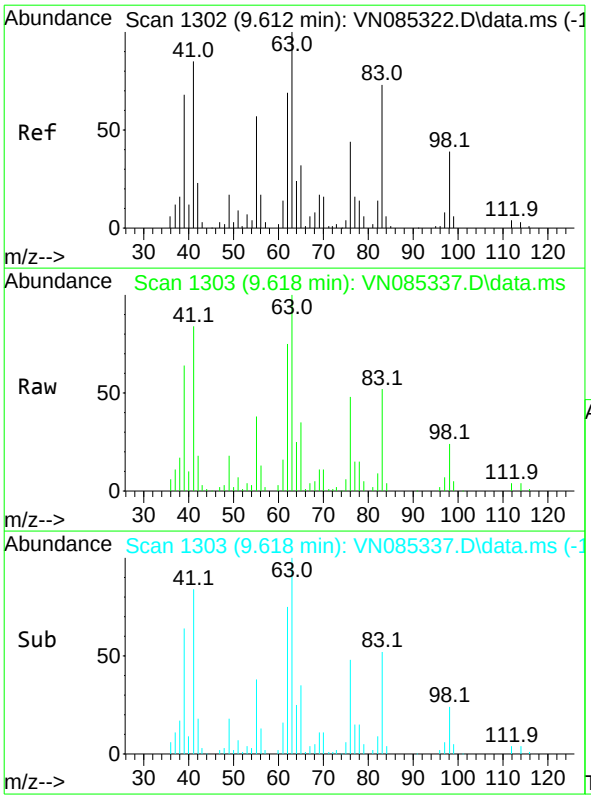


#44
Trichloroethene
Concen: 45.091 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:130 Resp: 89851

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	197.8

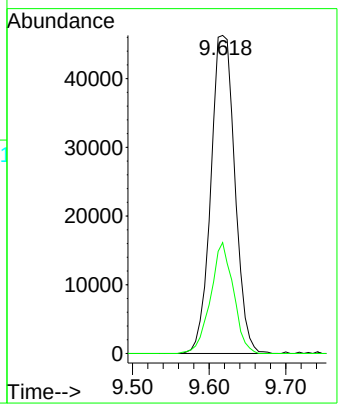




#45
1,2-Dichloropropane
Concen: 47.168 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 63 Resp: 100779

Ion	Ratio	Lower	Upper
63	100		
65	34.9	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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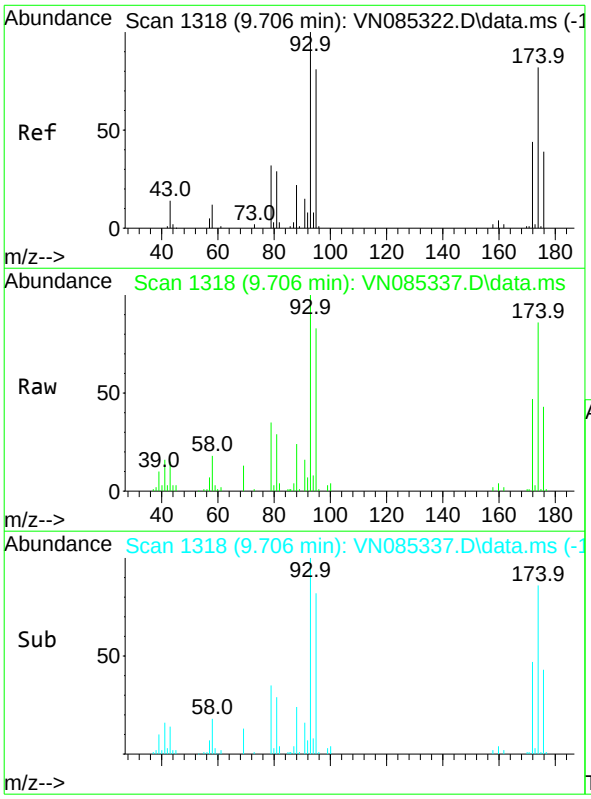
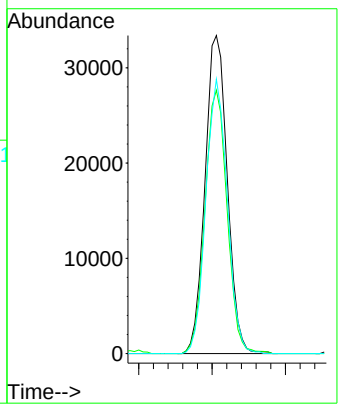
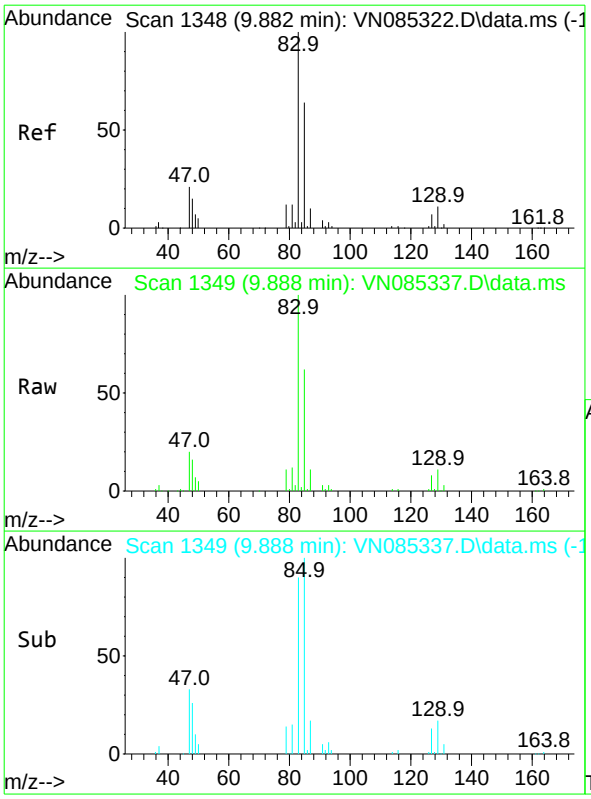


#46
Dibromomethane
Concen: 47.348 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 93 Resp: 70356

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.3	97.9
174	83.3	66.4	99.6

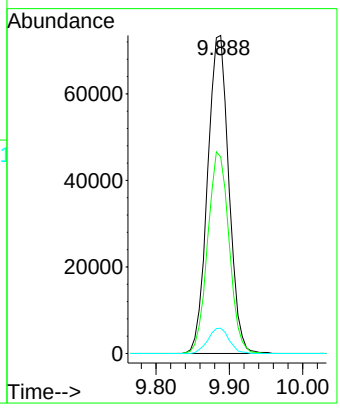




#47
Bromodichloromethane
Concen: 47.752 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 83 Resp: 147480

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.4
127	8.0	5.8	8.6



Instrument :
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ClientSampleId :
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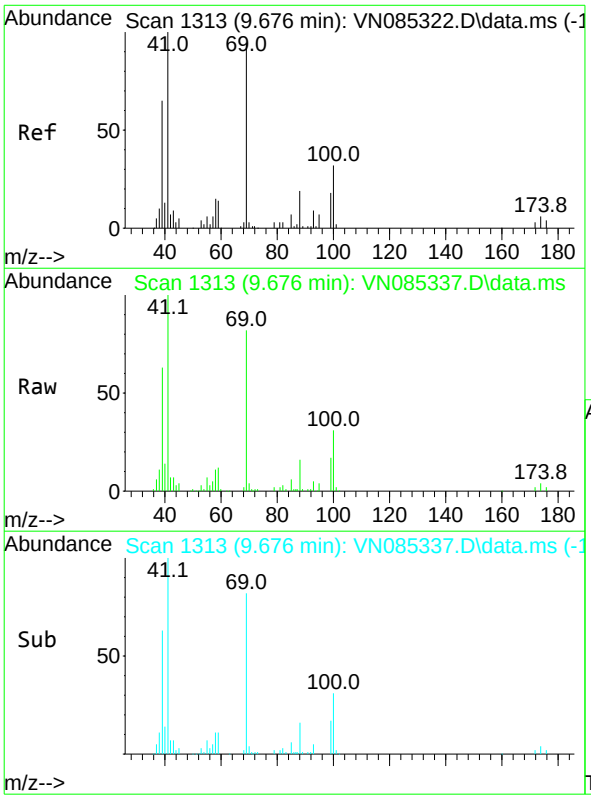
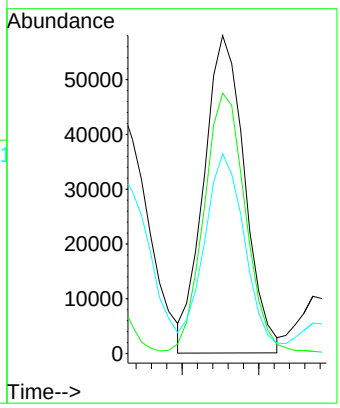
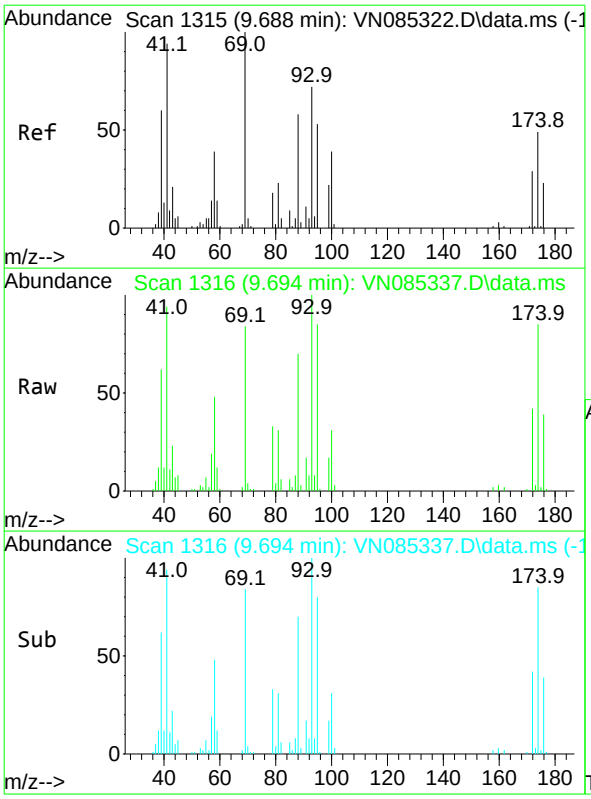


#48
Methyl methacrylate
Concen: 54.215 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 41 Resp: 107180

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.7	101.5
39	63.7	51.2	76.8

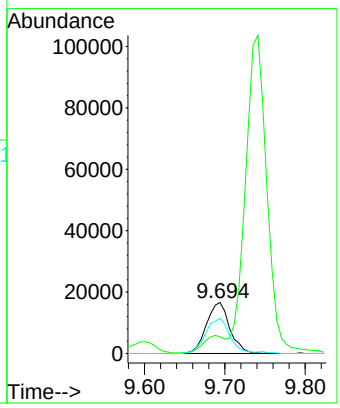




#49
1,4-Dioxane
Concen: 1119.134 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 88 Resp: 33381

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	73.0	56.7	85.1



Instrument :
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ClientSampleId :
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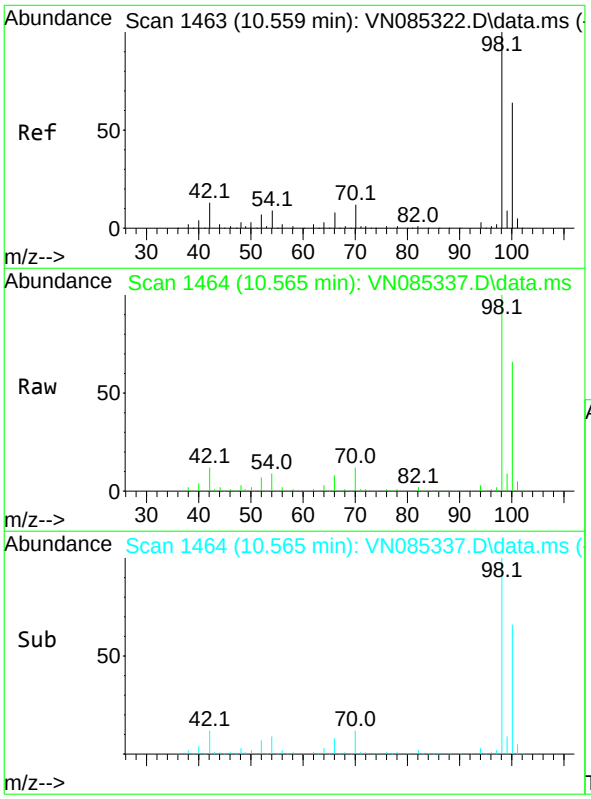
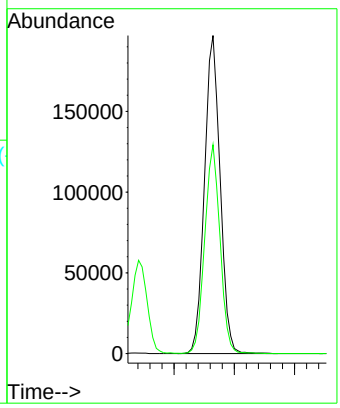
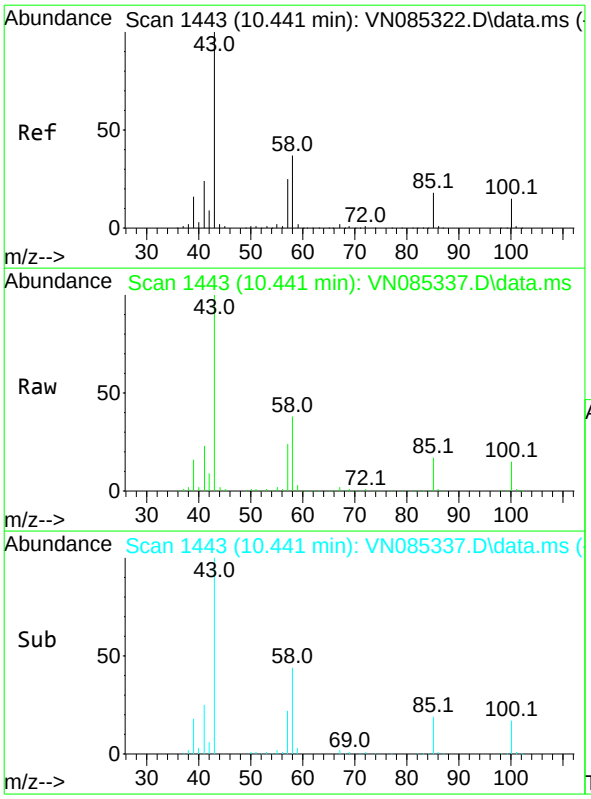


#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 98 Resp: 355381

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3

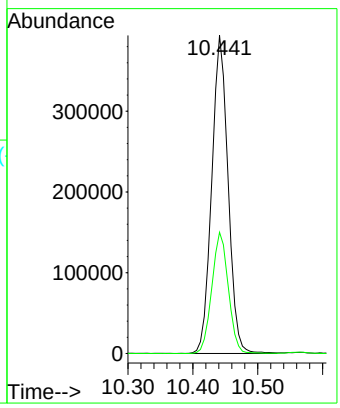




#51
4-Methyl-2-Pentanone
Concen: 268.651 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 687835

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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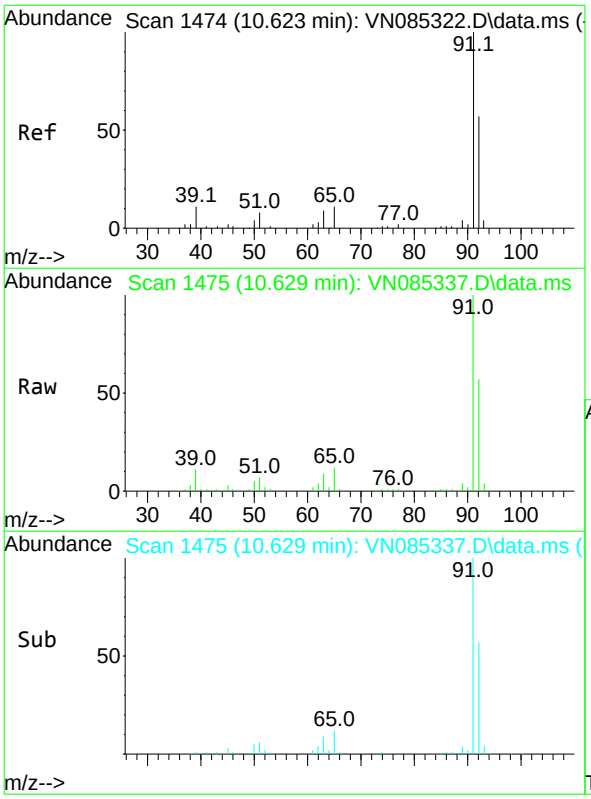
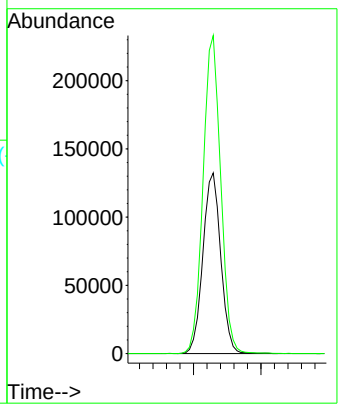
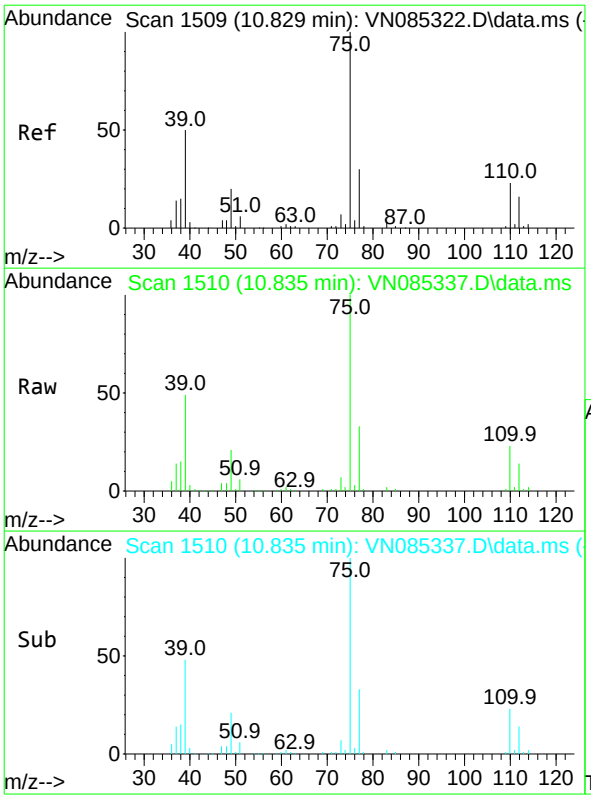


#52
Toluene
Concen: 48.552 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 92 Resp: 243317

Ion	Ratio	Lower	Upper
92	100		
91	174.0	140.2	210.4

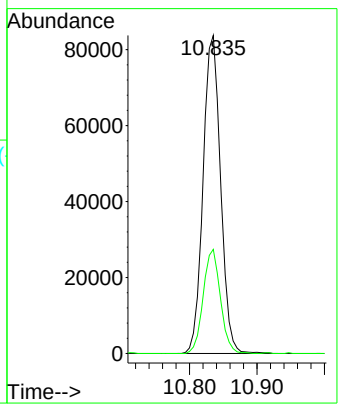




#53
t-1,3-Dichloropropene
Concen: 49.694 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 150931

Ion	Ratio	Lower	Upper
75	100		
77	32.7	23.8	35.6



Instrument :
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ClientSampleId :
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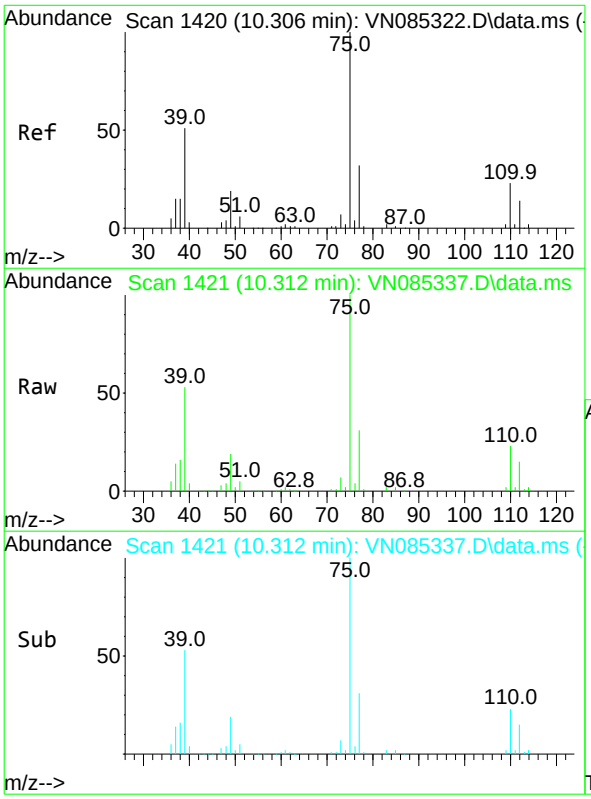
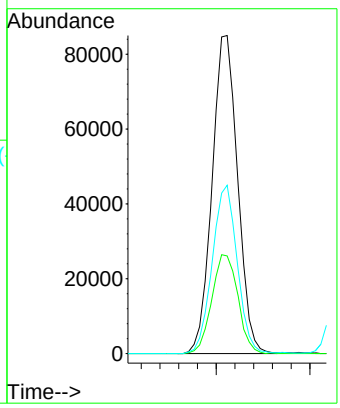
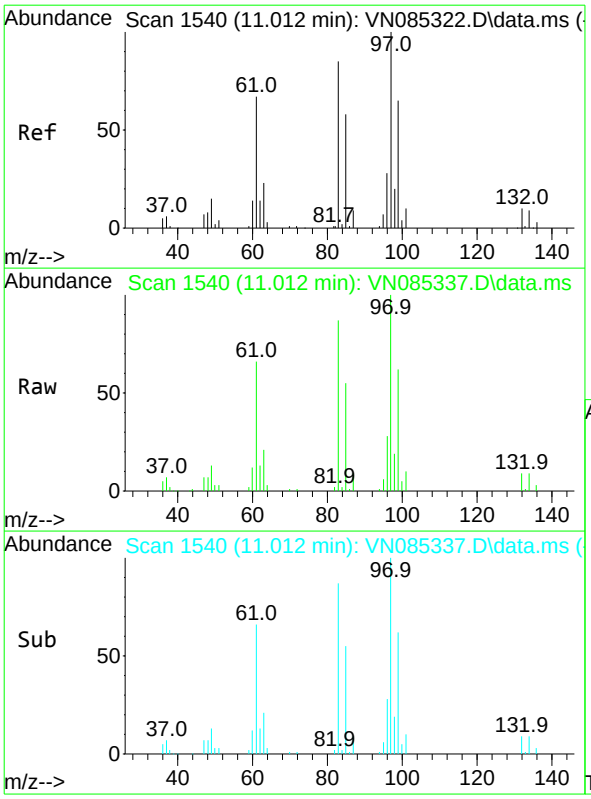


#54
cis-1,3-Dichloropropene
Concen: 48.936 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 160718

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	52.9	40.5	60.7

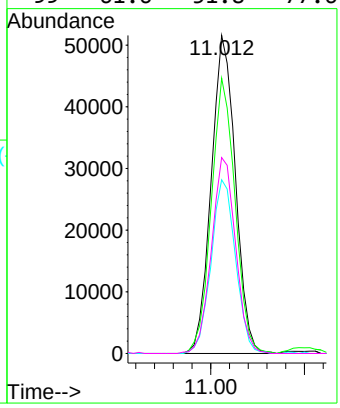




#55
1,1,2-Trichloroethane
Concen: 48.764 ug/l
RT: 11.012 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 97 Resp: 92267

Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.7	101.5
85	54.6	46.2	69.4
99	61.6	51.8	77.6



Instrument :
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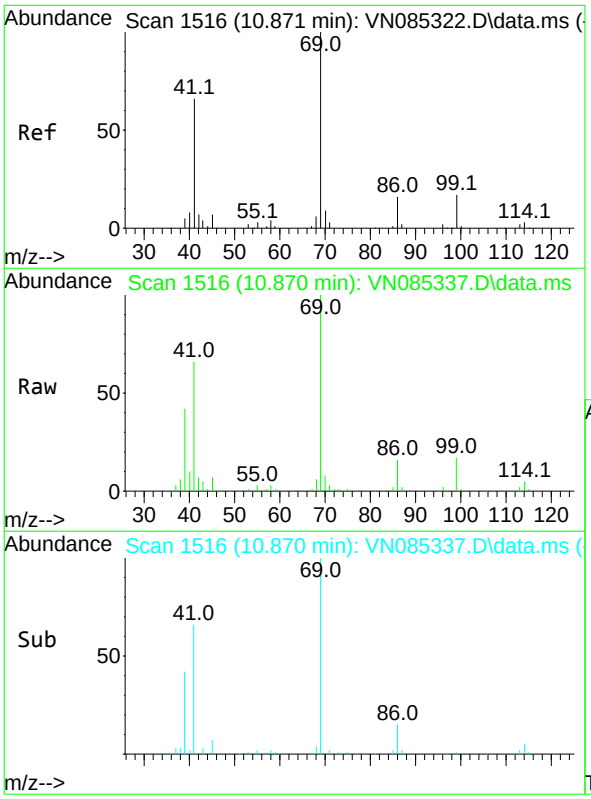
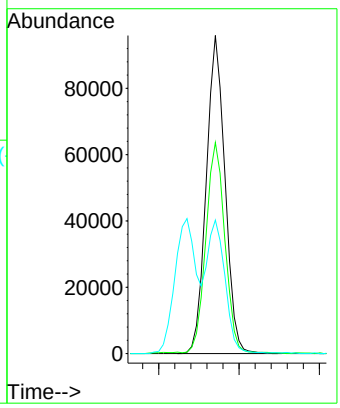
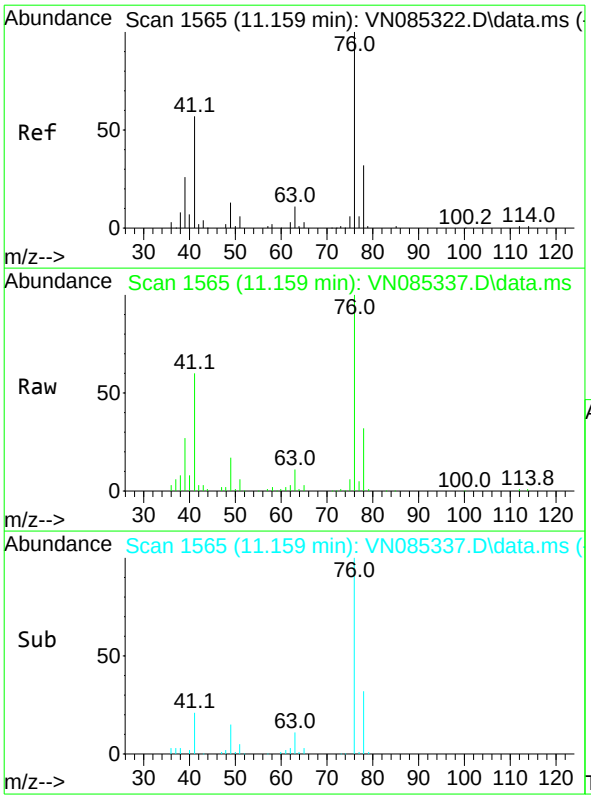


#56
Ethyl methacrylate
Concen: 56.392 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 69 Resp: 155398

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.3	81.5
39	40.4	32.0	48.0

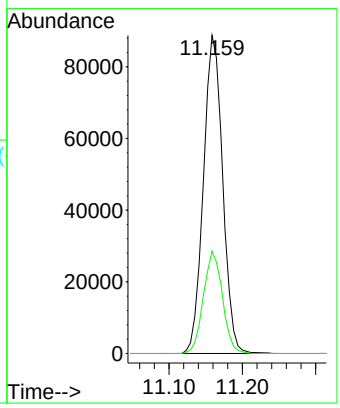




#57
1,3-Dichloropropane
Concen: 48.684 ug/l
RT: 11.159 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 76 Resp: 161673

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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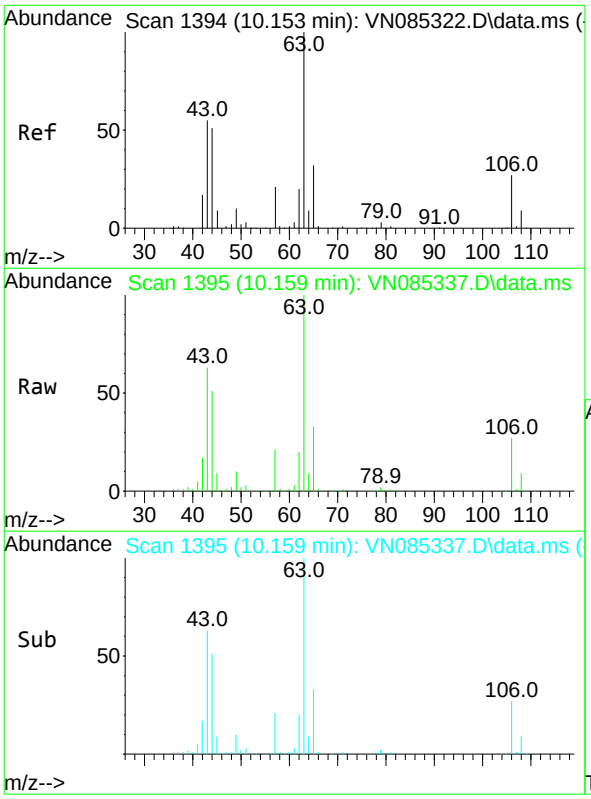
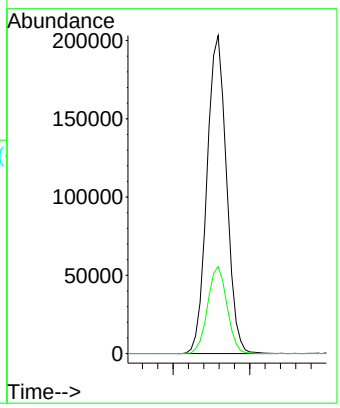
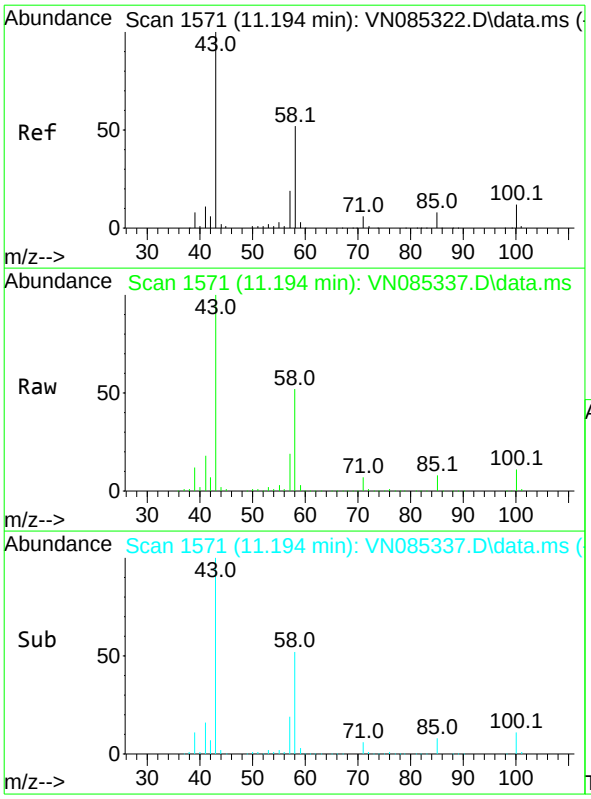


#58
2-Chloroethyl Vinyl ether
Concen: 270.032 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 63 Resp: 360017

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1





#59
2-Hexanone
Concen: 280.111 ug/l
RT: 11.194 min Scan# 15
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 497580

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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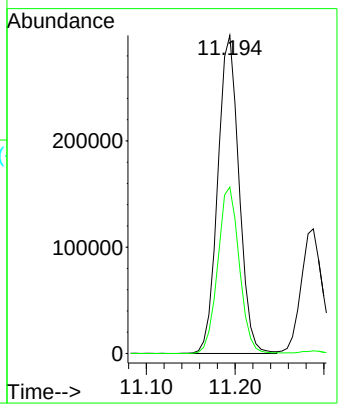
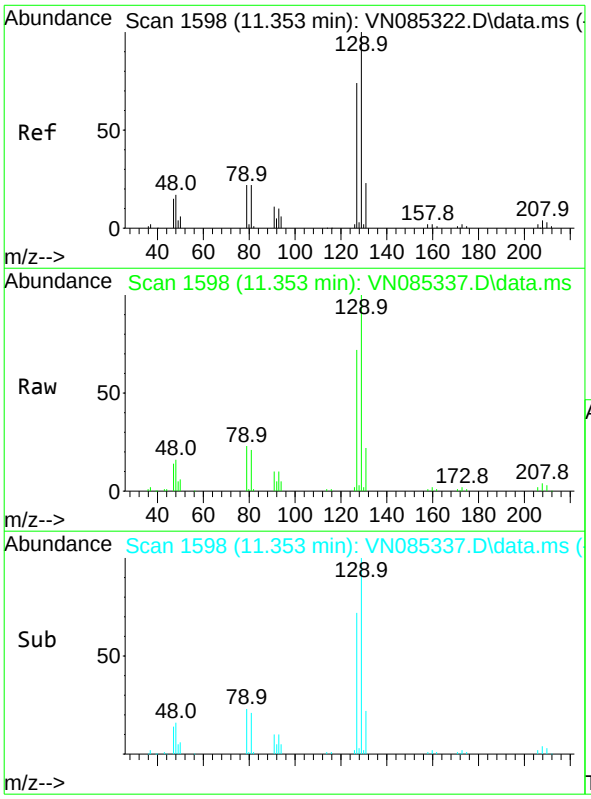
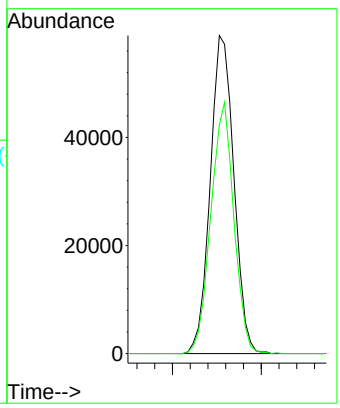


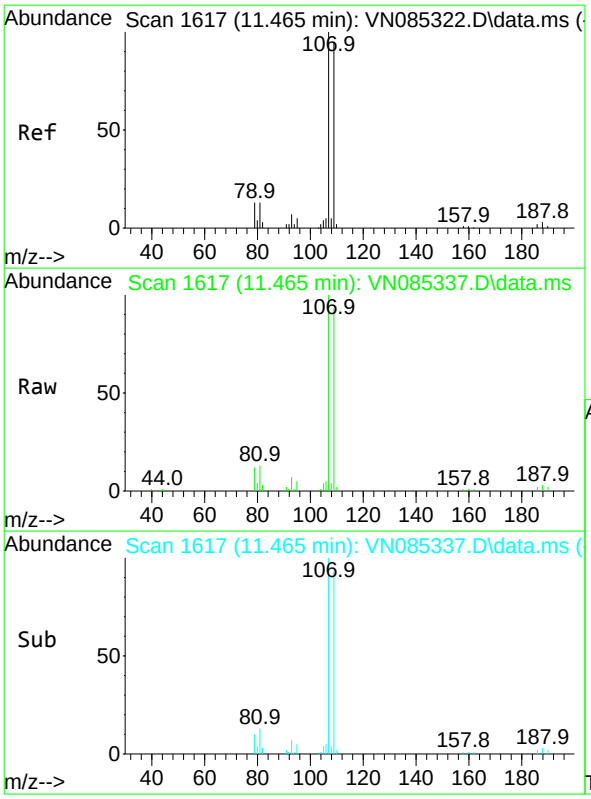


#60
Dibromochloromethane
Concen: 51.180 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:129 Resp: 109072

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9

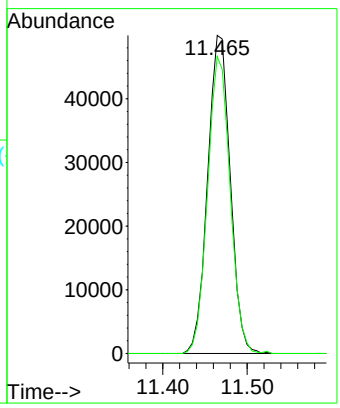




#61
1,2-Dibromoethane
Concen: 49.680 ug/l
RT: 11.465 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:107 Resp: 92998

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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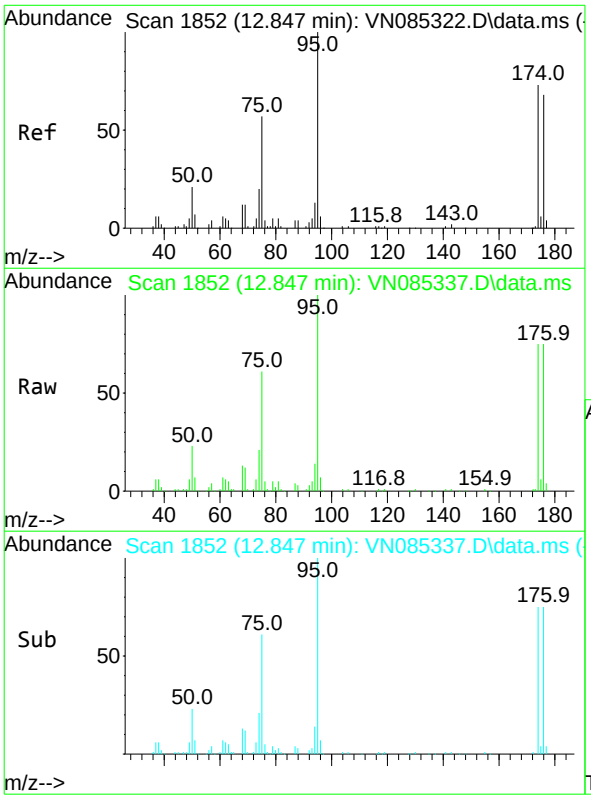
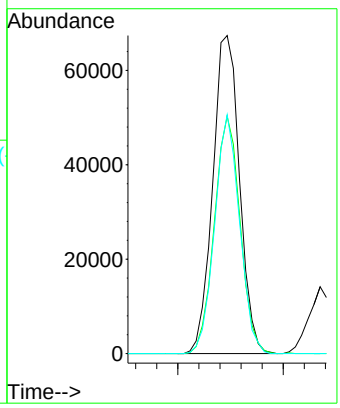
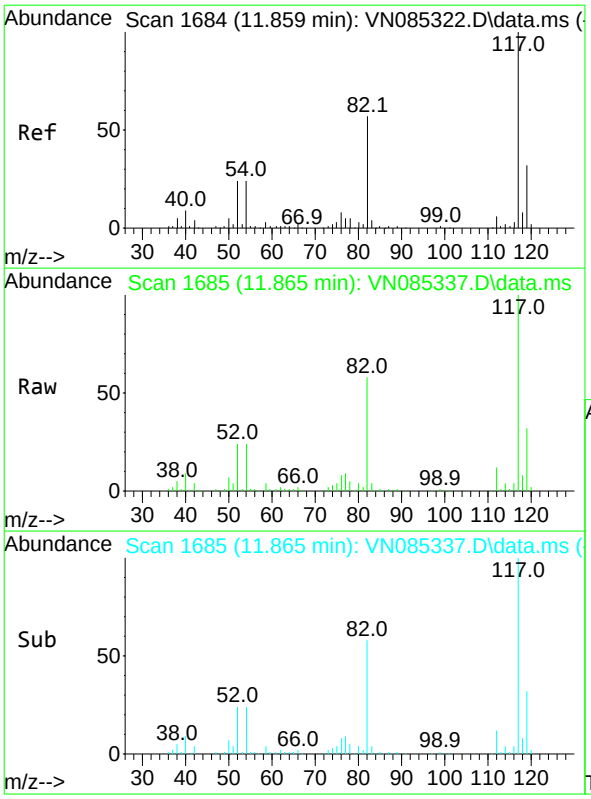


#62
4-Bromofluorobenzene
Concen: 51.260 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 95 Resp: 118775

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	143.2
176	69.8	0.0	135.8

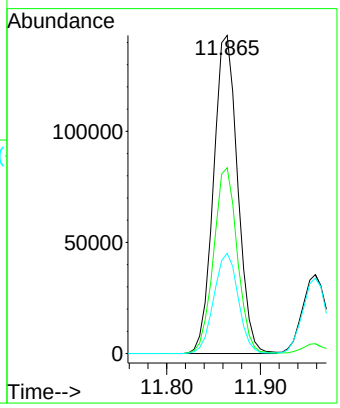




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:117 Resp: 256130

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.7	68.5
119	31.5	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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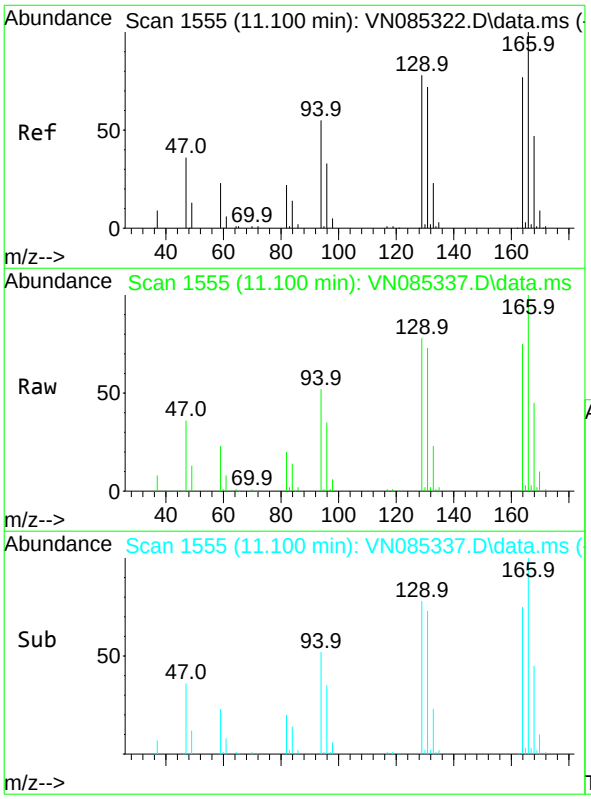
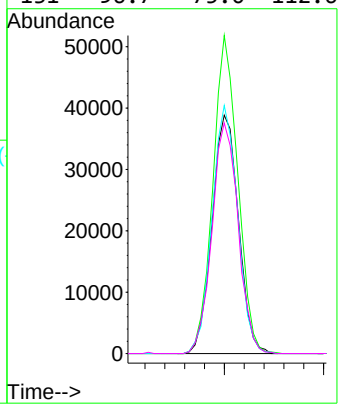
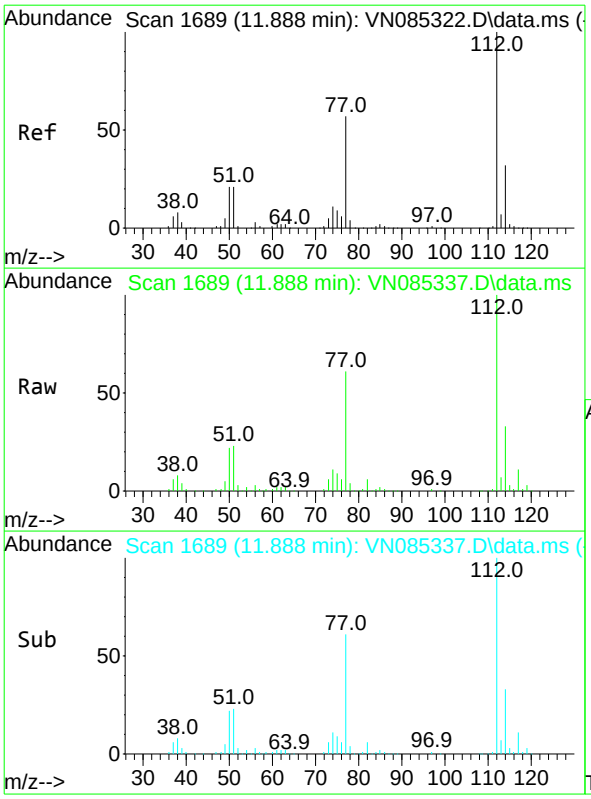


#64
Tetrachloroethene
Concen: 44.300 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:164 Resp: 71896

Ion	Ratio	Lower	Upper
164	100		
166	133.4	104.0	156.0
129	104.0	81.3	121.9
131	96.7	75.0	112.6

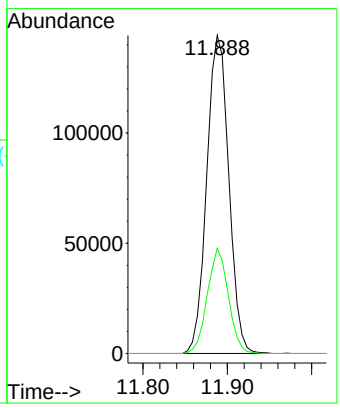




#65
Chlorobenzene
Concen: 47.277 ug/l
RT: 11.888 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:112 Resp: 261676

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.2	37.8



Instrument :
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ClientSampleId :
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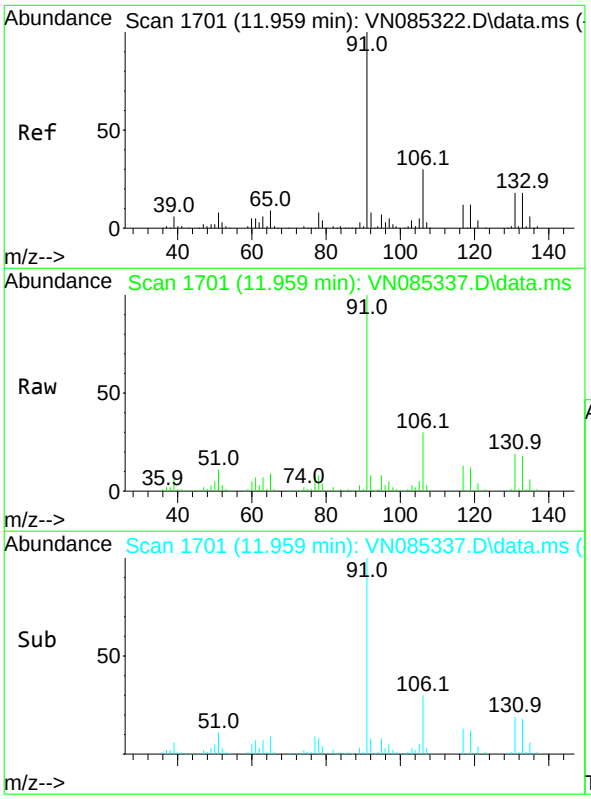
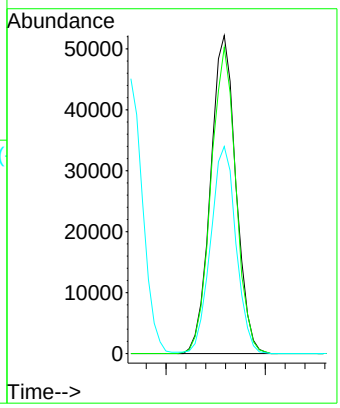
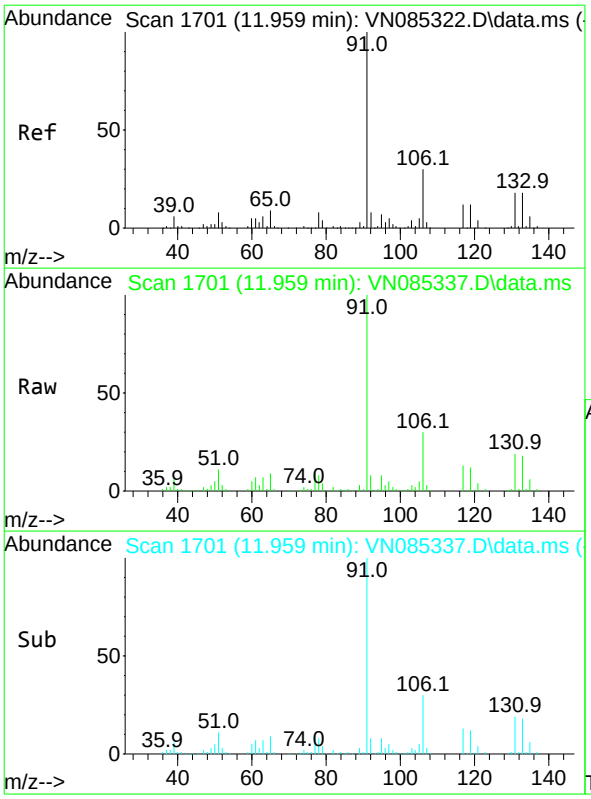


#66
1,1,1,2-Tetrachloroethane
Concen: 49.750 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:131 Resp: 92418

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.3	144.9
119	65.3	33.4	100.1

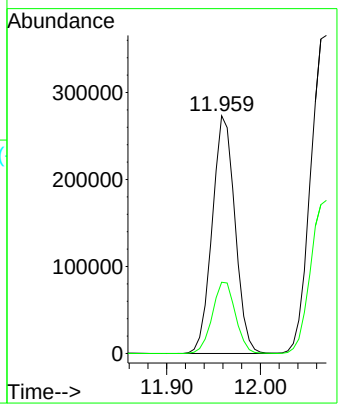




#67
Ethyl Benzene
Concen: 50.123 ug/l
RT: 11.959 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 461376

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0



Instrument :
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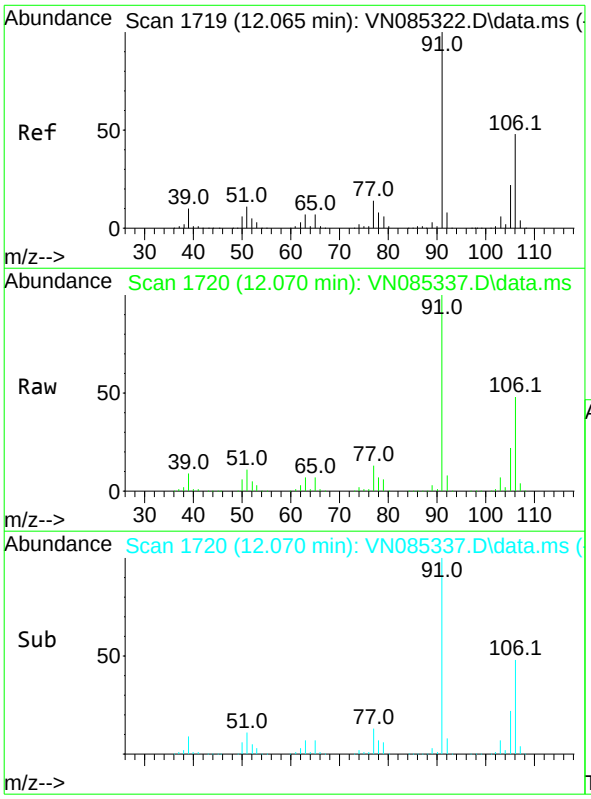
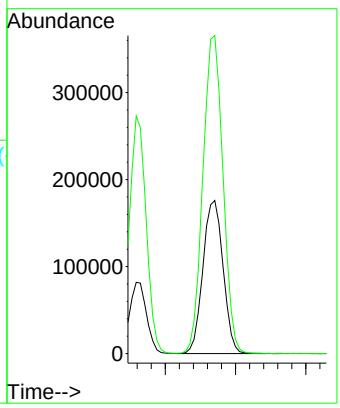
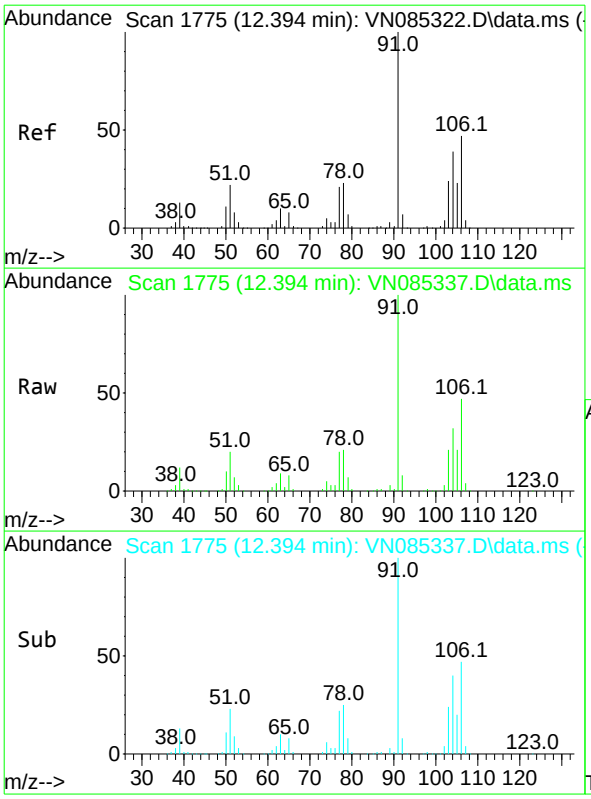


#68
m/p-Xylenes
Concen: 104.245 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:106 Resp: 351159

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.2	247.8

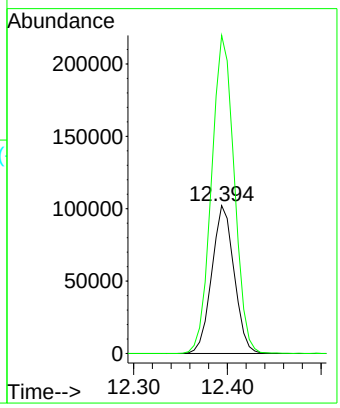




#69
o-Xylene
Concen: 51.838 ug/l
RT: 12.394 min Scan# 17
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:106 Resp: 168921

Ion	Ratio	Lower	Upper
106	100		
91	219.0	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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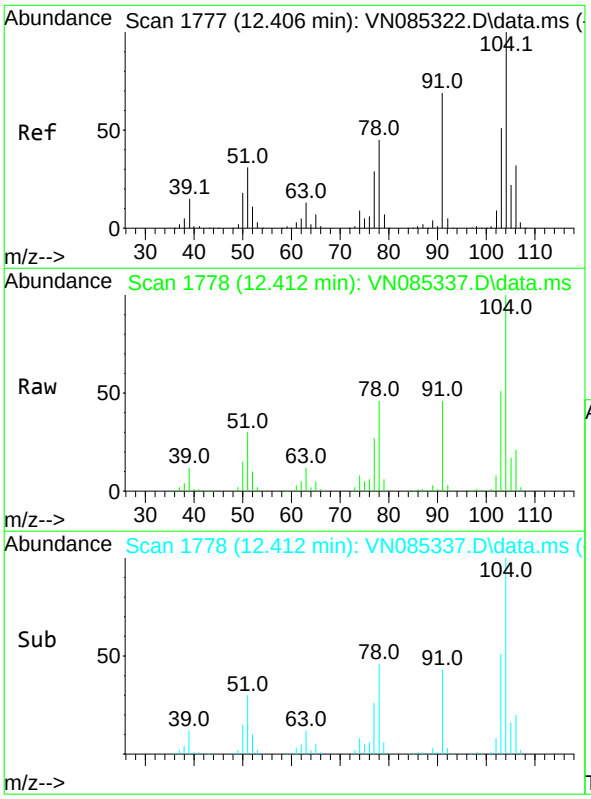
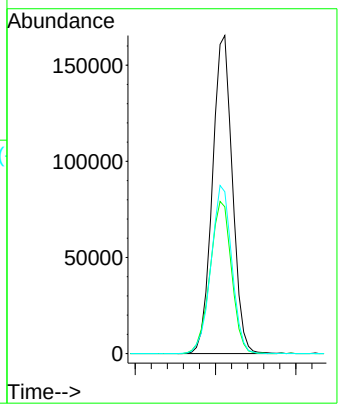
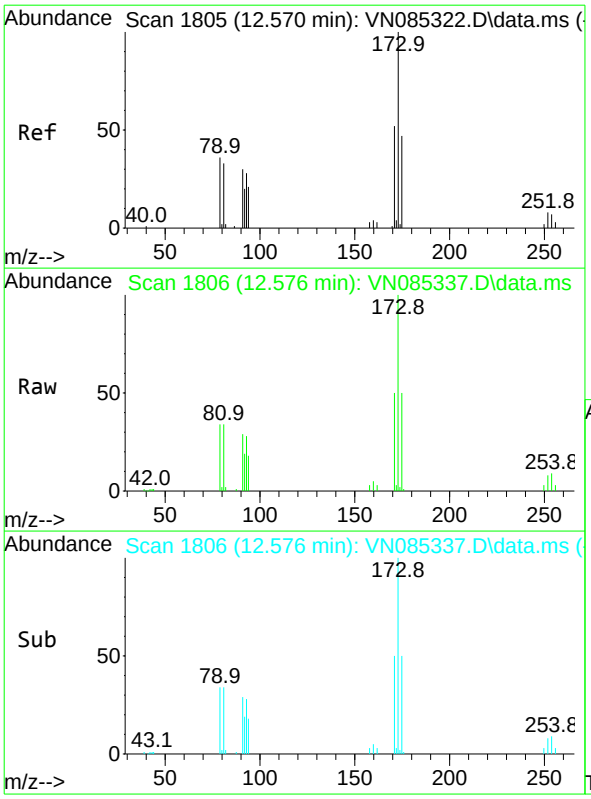


#70
Styrene
Concen: 54.081 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:104 Resp: 285621

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.7	61.1
103	55.0	44.1	66.1

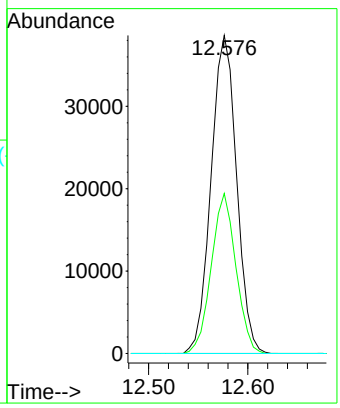




#71
Bromoform
Concen: 53.619 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:173 Resp: 68988

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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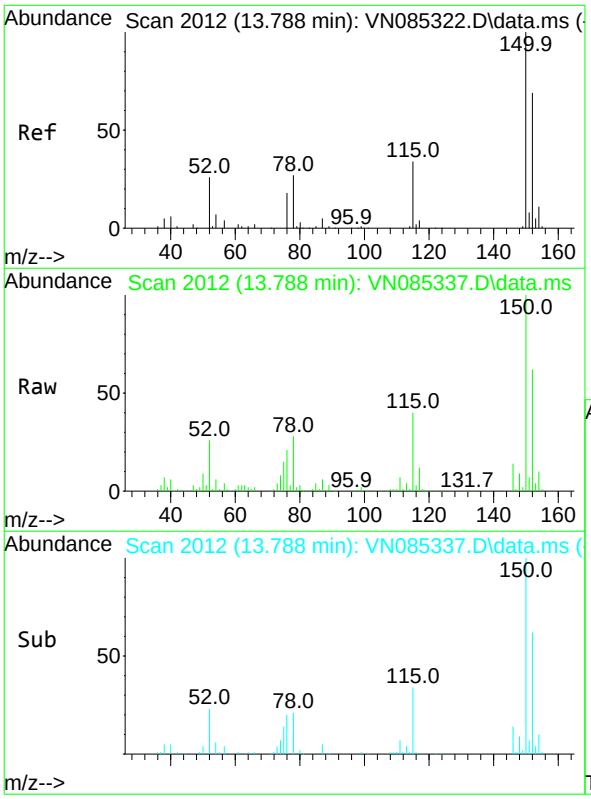
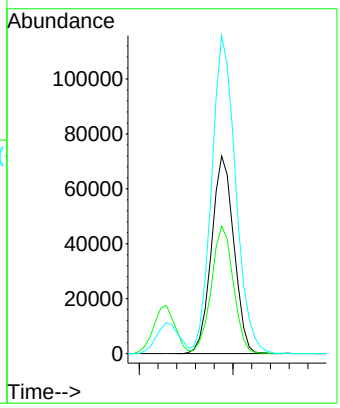
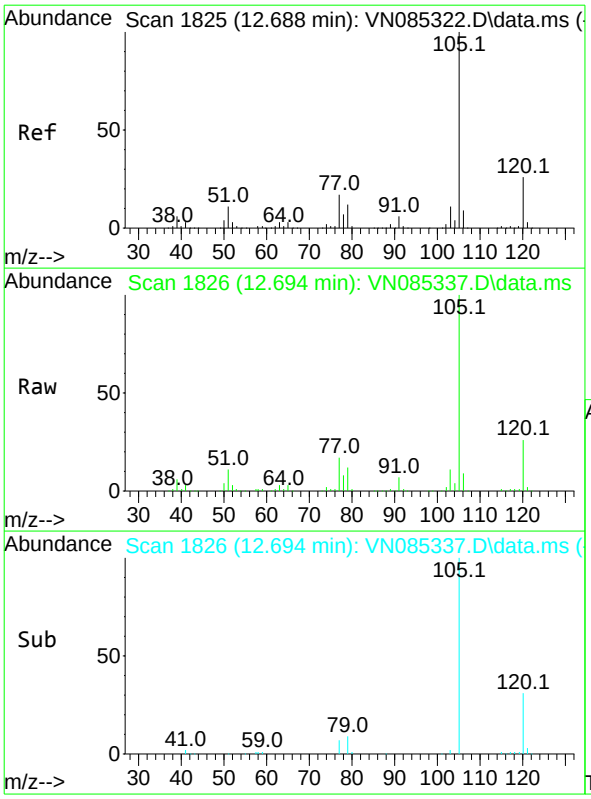


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:152 Resp: 119158

Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.4	91.3
150	173.4	0.0	345.0

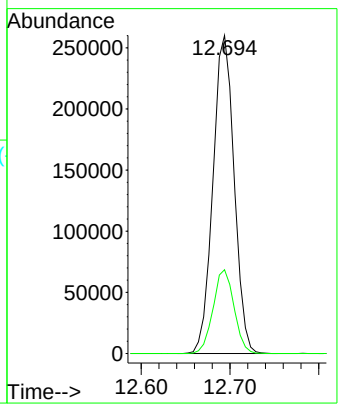




#73
Isopropylbenzene
Concen: 50.287 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 430895

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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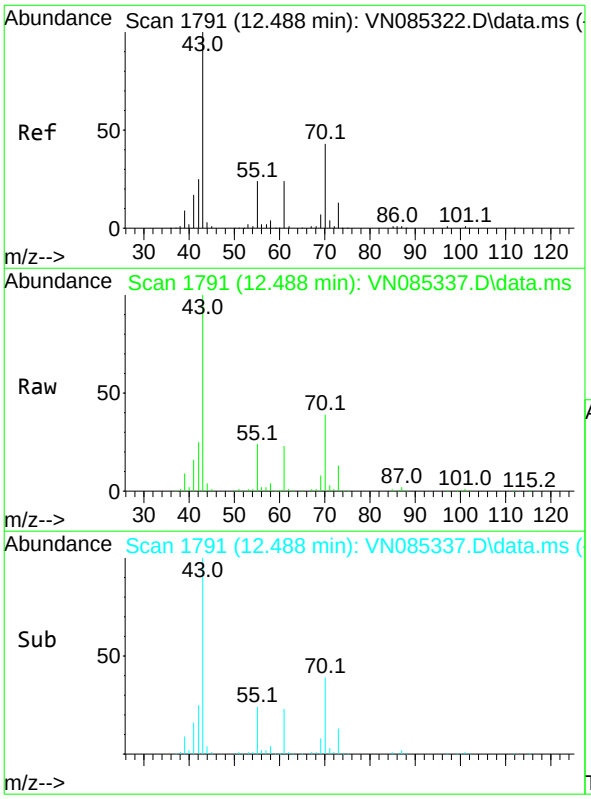
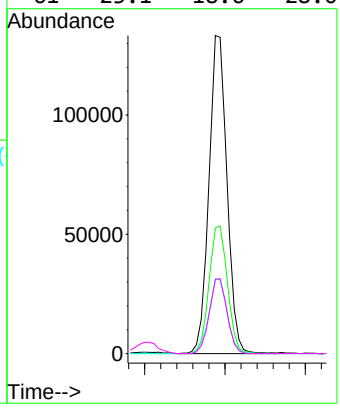
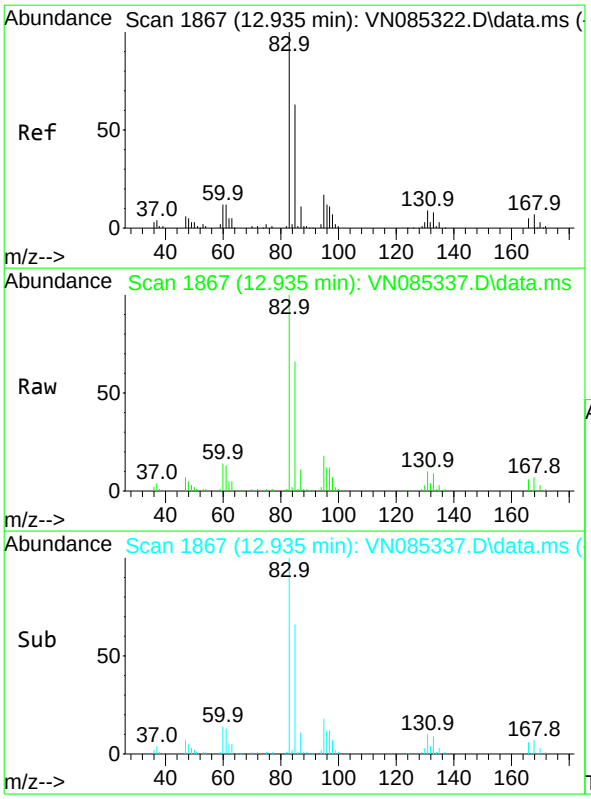


#74
N-amyl acetate
Concen: 56.680 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 207891

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.4	50.0
55	23.8	19.2	28.8
61	23.1	18.6	28.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.623 ug/l
RT: 12.935 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 83 Resp: 135425

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.4
85	63.9	32.6	98.0

Instrument :
MSVOA_N
ClientSampleId :
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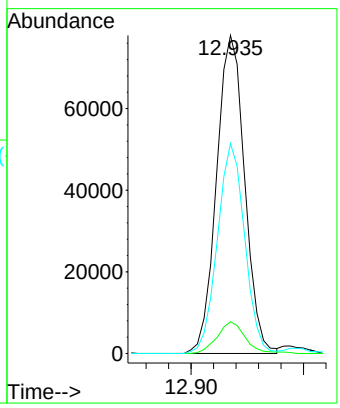
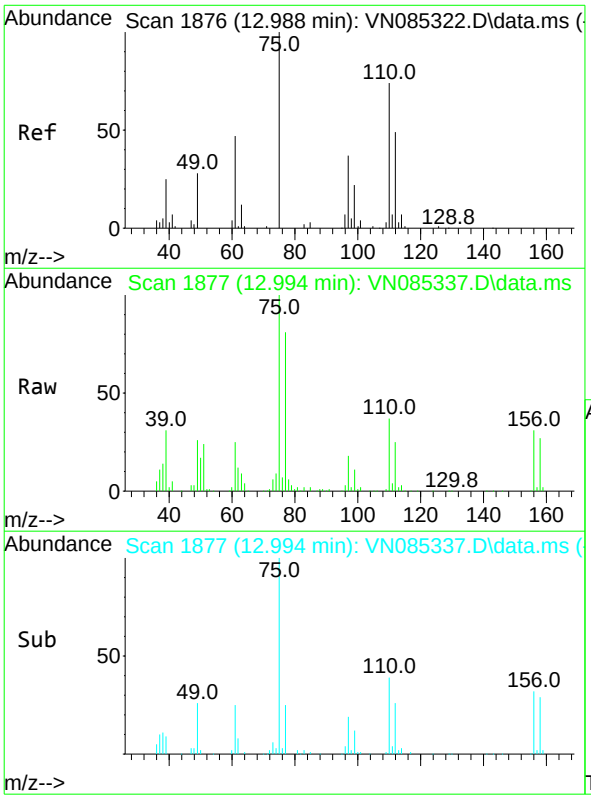
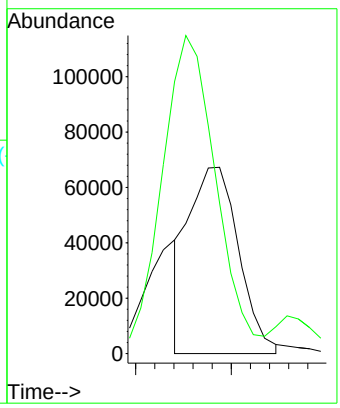


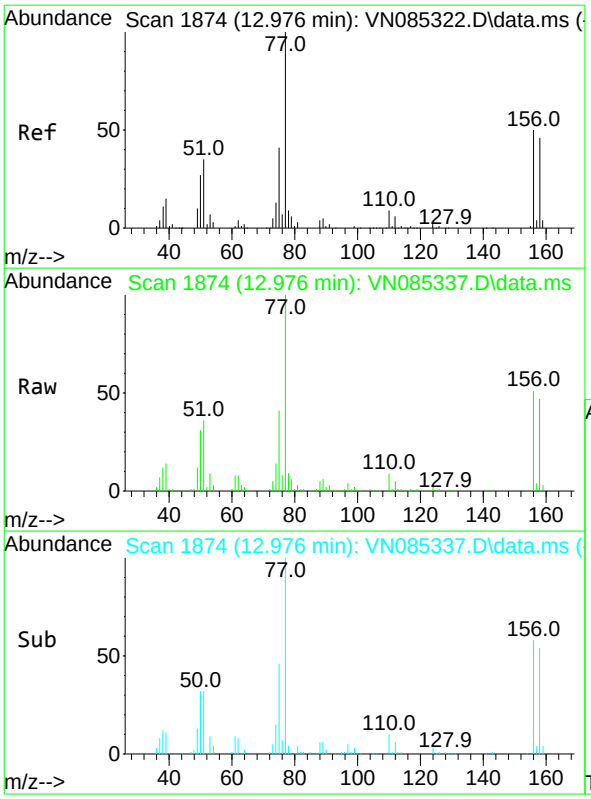


#76
1,2,3-Trichloropropane
Concen: 54.860 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 122072

Ion	Ratio	Lower	Upper
75	100		
77	186.0	98.1	294.3

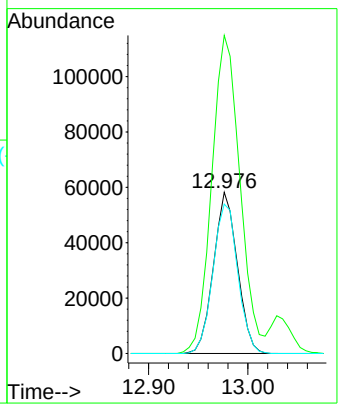




#77
Bromobenzene
Concen: 45.760 ug/l
RT: 12.976 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:156 Resp: 97145

Ion	Ratio	Lower	Upper
156	100		
77	233.7	114.0	342.0
158	96.8	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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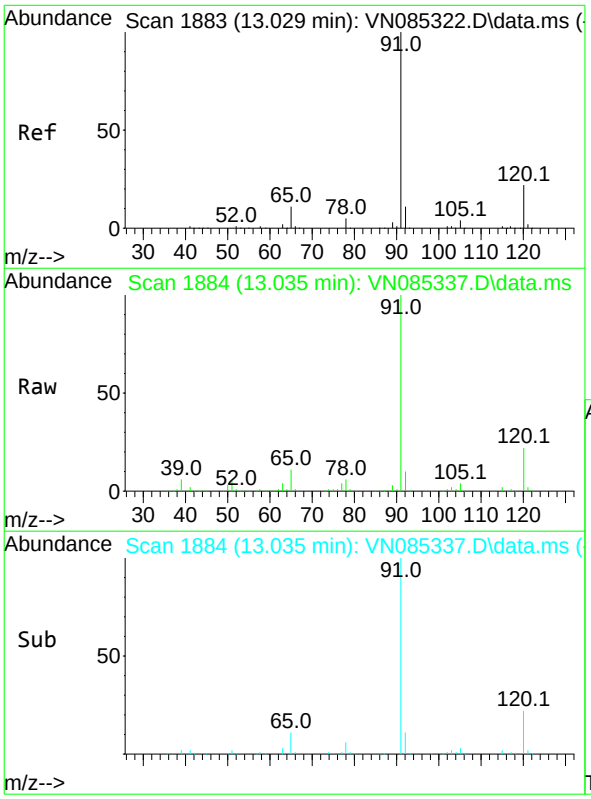
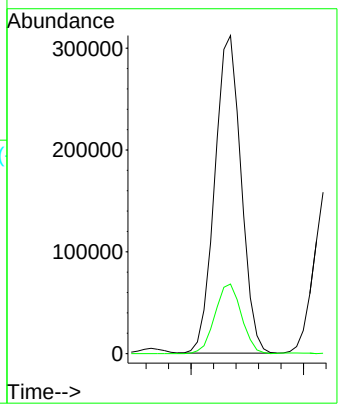
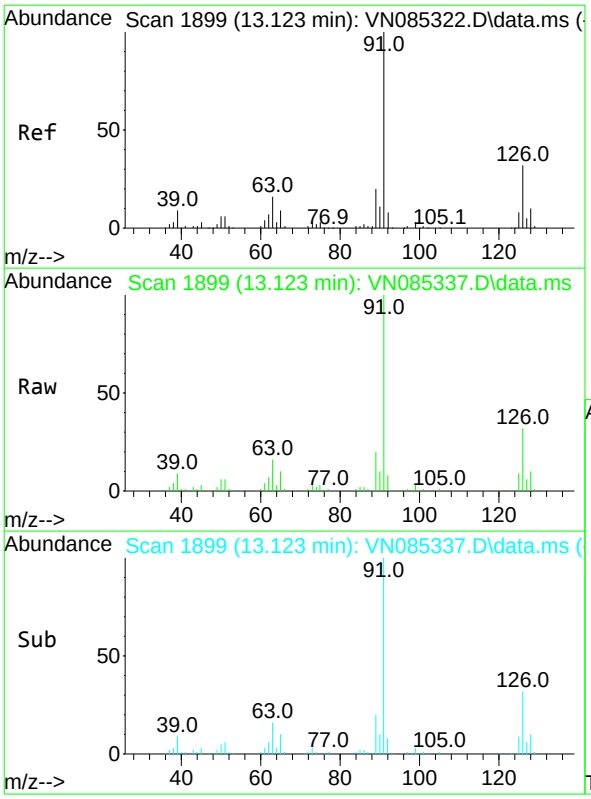


#78
n-propylbenzene
Concen: 50.717 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 506572

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9

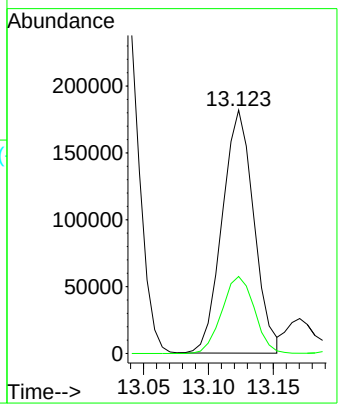




#79
2-Chlorotoluene
Concen: 49.202 ug/l
RT: 13.123 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 309290

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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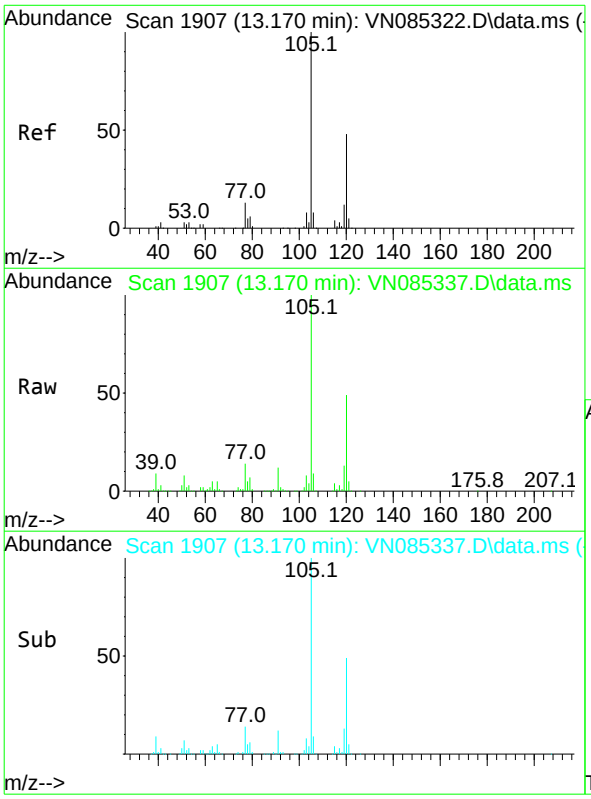
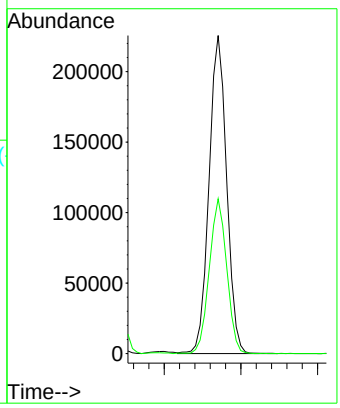
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

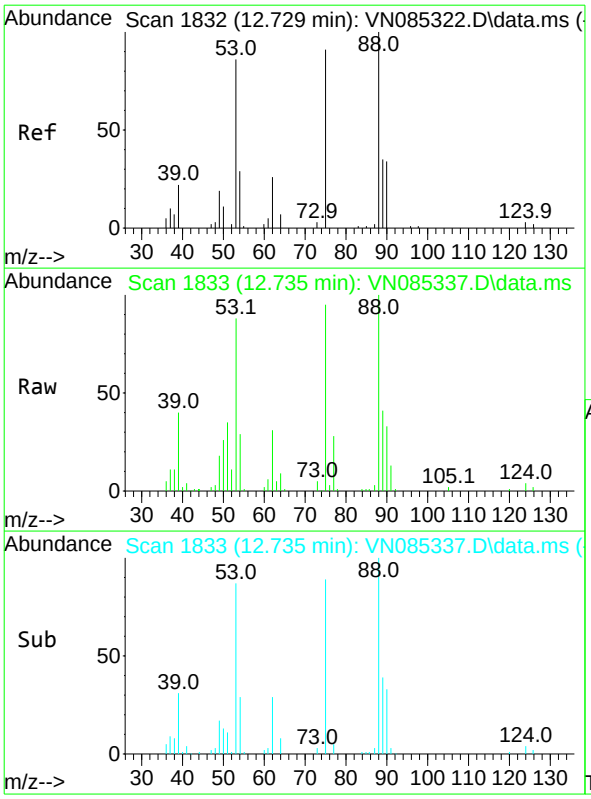


#80
1,3,5-Trimethylbenzene
Concen: 51.871 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 359513

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.0	72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 53.330 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 49551

Ion	Ratio	Lower	Upper
75	100		
53	107.9	80.0	120.0
89	44.8	35.8	53.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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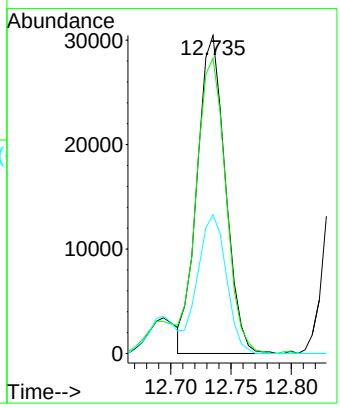
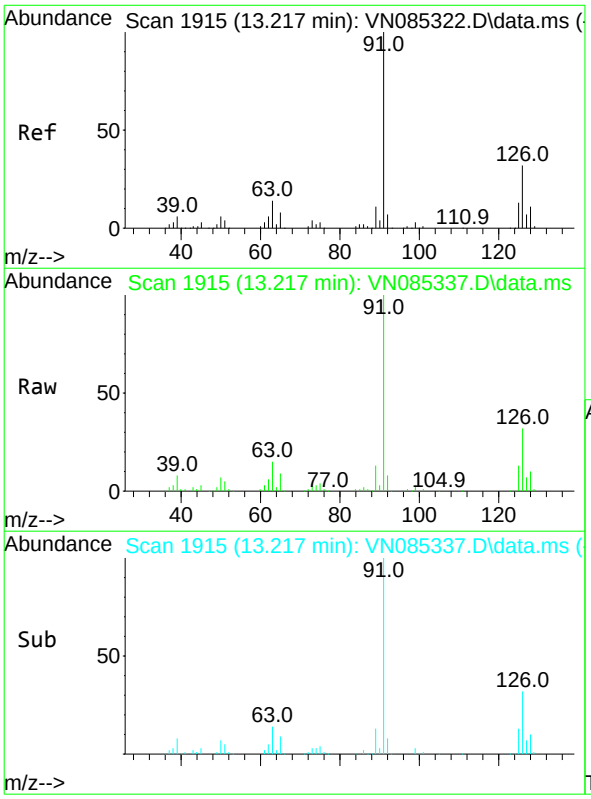
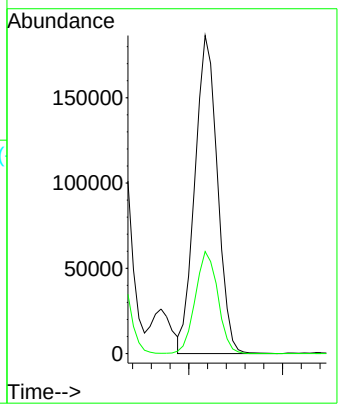


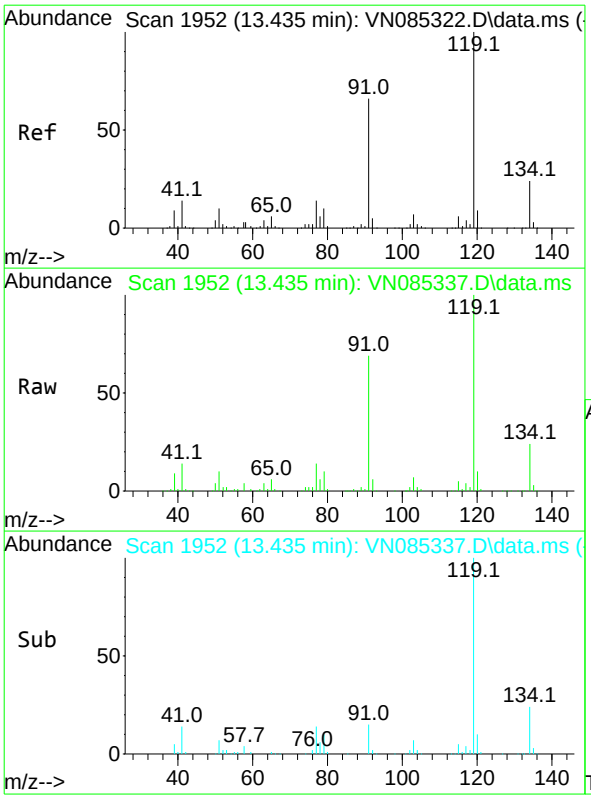


#82
4-Chlorotoluene
Concen: 49.151 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 311175

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4





#83
tert-Butylbenzene
Concen: 49.875 ug/l
RT: 13.435 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:119 Resp: 299444

Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.6	100.8
134	26.8	13.3	39.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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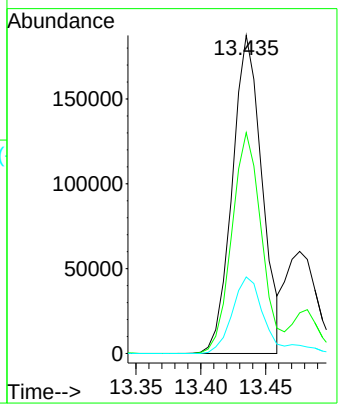
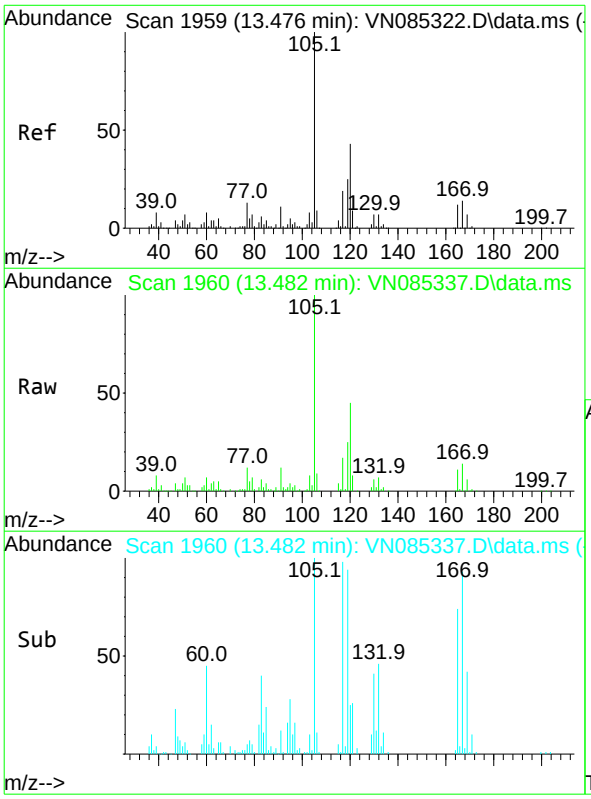
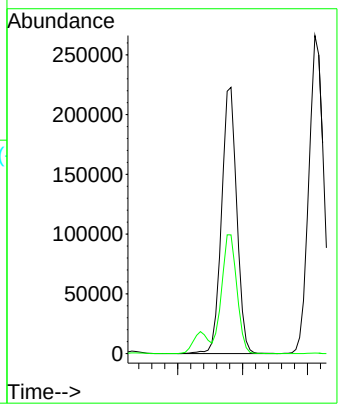


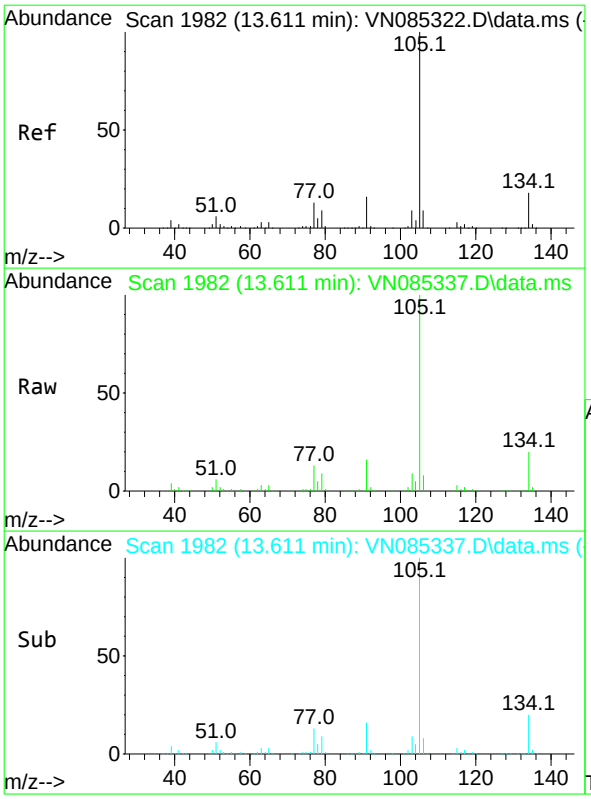


#84
1,2,4-Trimethylbenzene
Concen: 52.558 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 362722

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.7	65.1

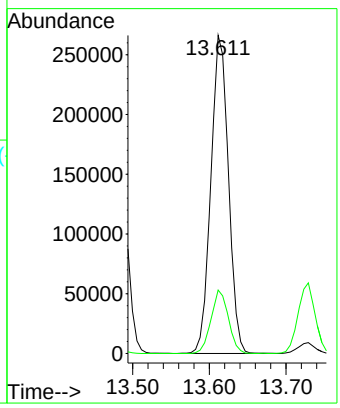




#85
sec-Butylbenzene
Concen: 50.868 ug/l
RT: 13.611 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 423924

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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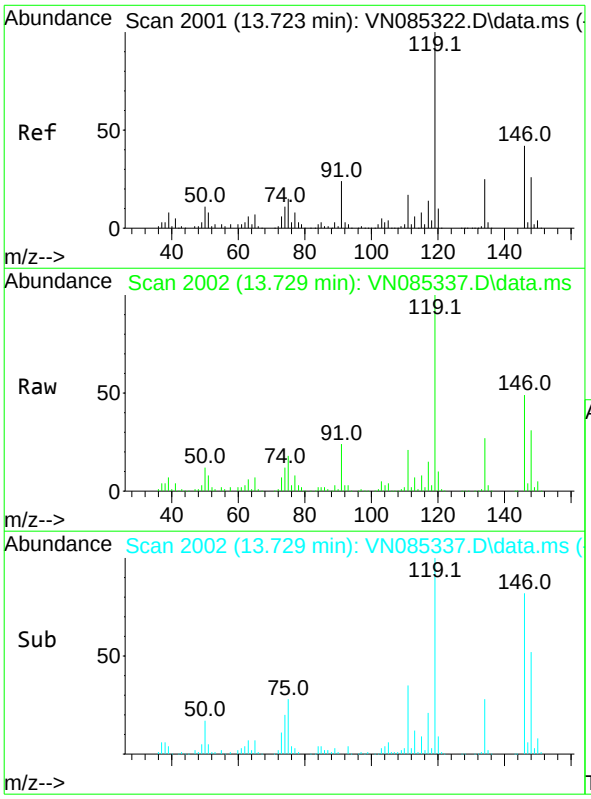
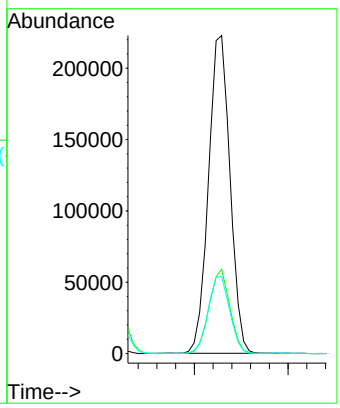
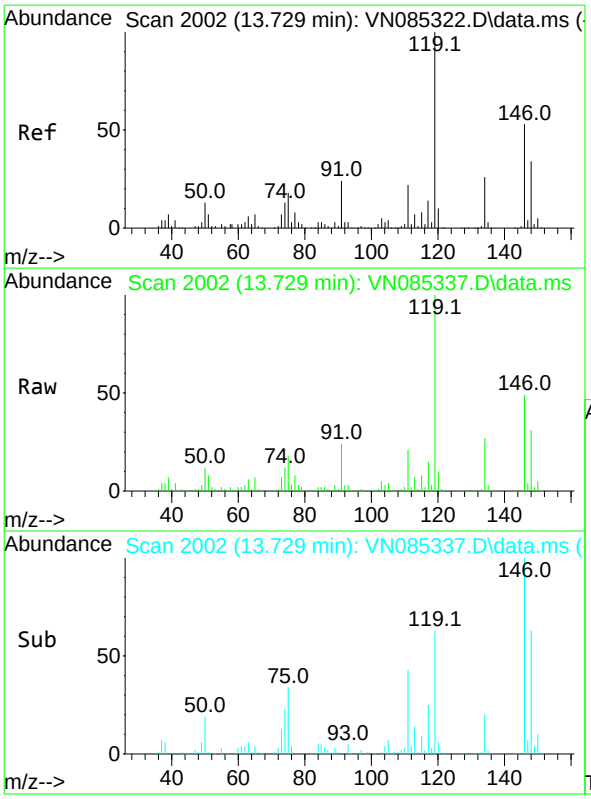


#86
p-Isopropyltoluene
Concen: 47.752 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:119 Resp: 355028

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	24.3	12.2	36.4

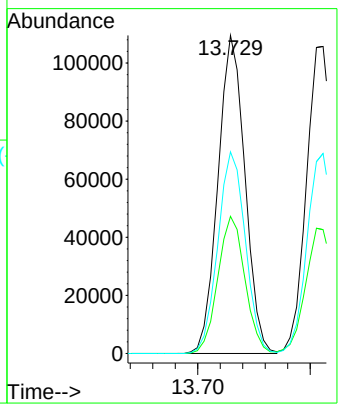




#87
1,3-Dichlorobenzene
Concen: 47.408 ug/l
RT: 13.729 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:146 Resp: 182452

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	64.7	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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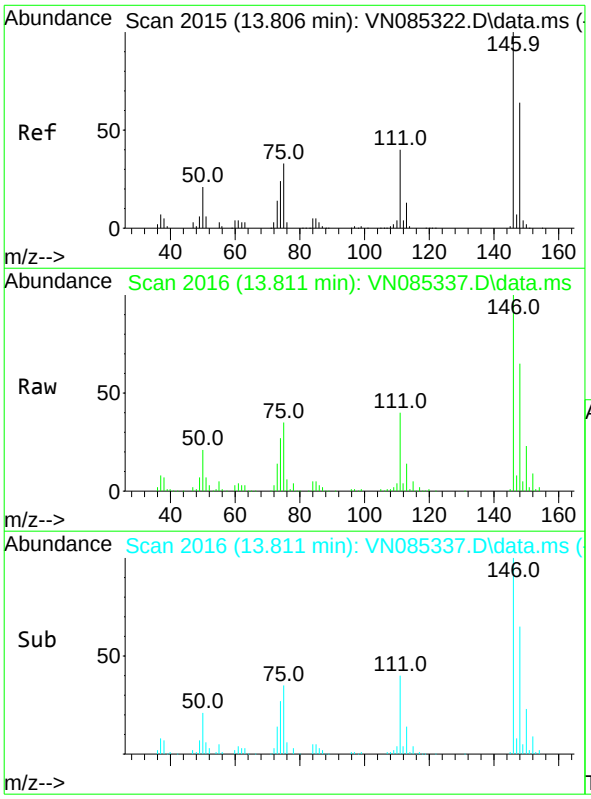
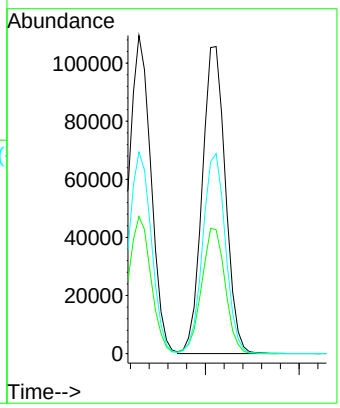
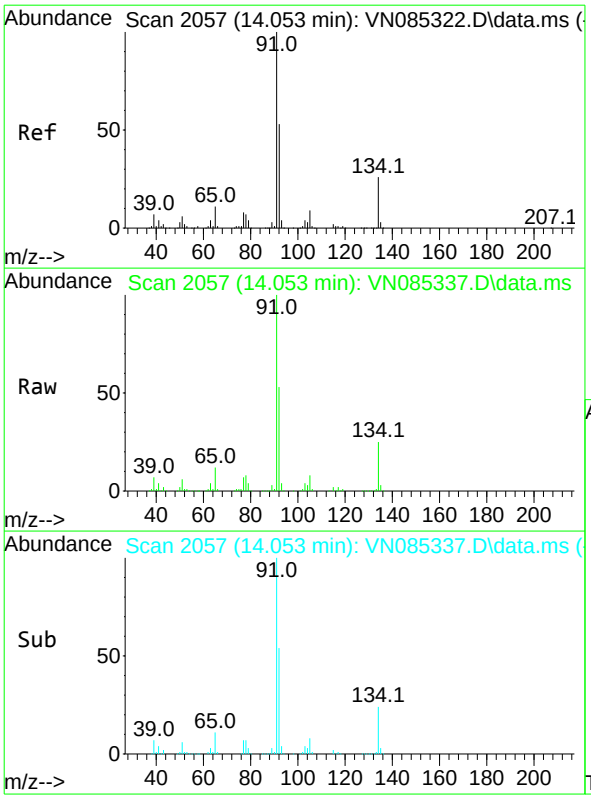


#88
1,4-Dichlorobenzene
Concen: 46.065 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:146 Resp: 182104

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	64.0	31.7	95.1

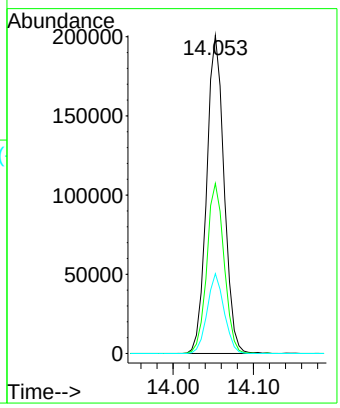




#89
n-Butylbenzene
Concen: 49.458 ug/l
RT: 14.053 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 301821

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	24.4	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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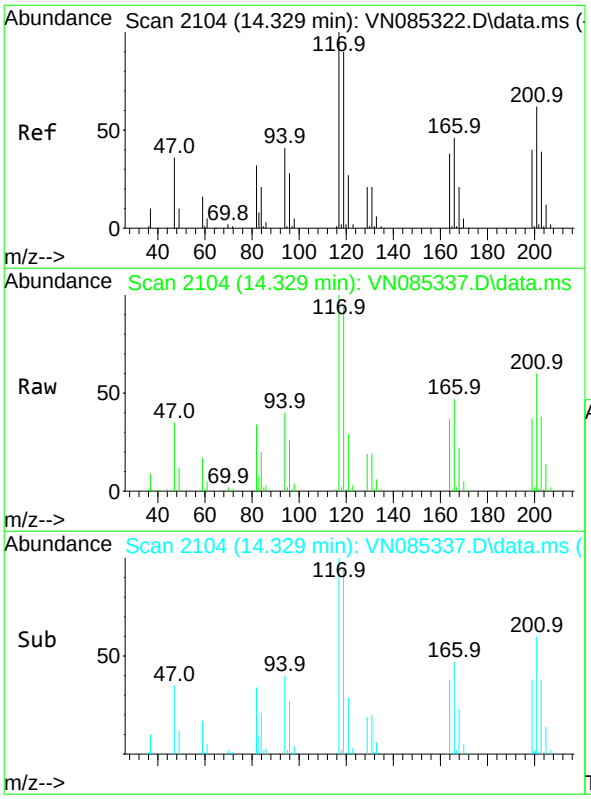
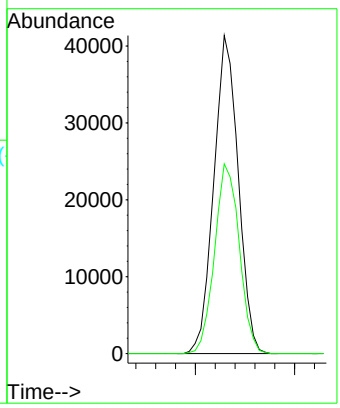
Supervised By :Mahesh Dadoda 12/30/2024

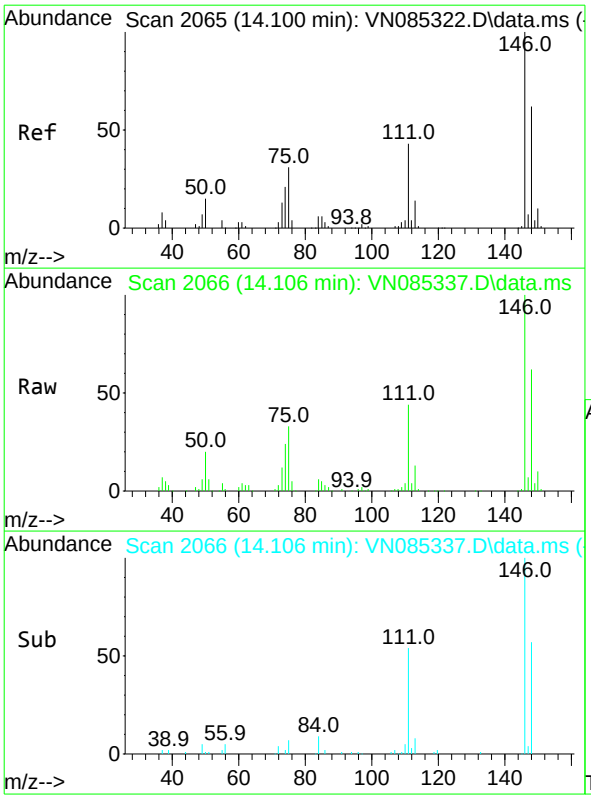


#90
Hexachloroethane
Concen: 51.745 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:117 Resp: 70685

Ion	Ratio	Lower	Upper
117	100		
201	60.3	30.7	92.1

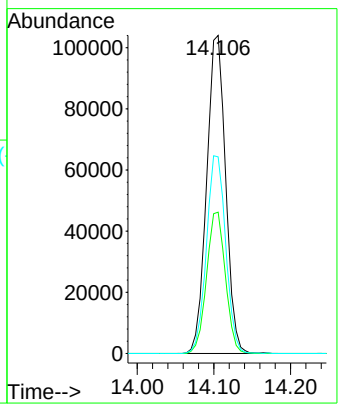




#91
1,2-Dichlorobenzene
Concen: 48.719 ug/l
RT: 14.106 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:146 Resp: 178612

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.2	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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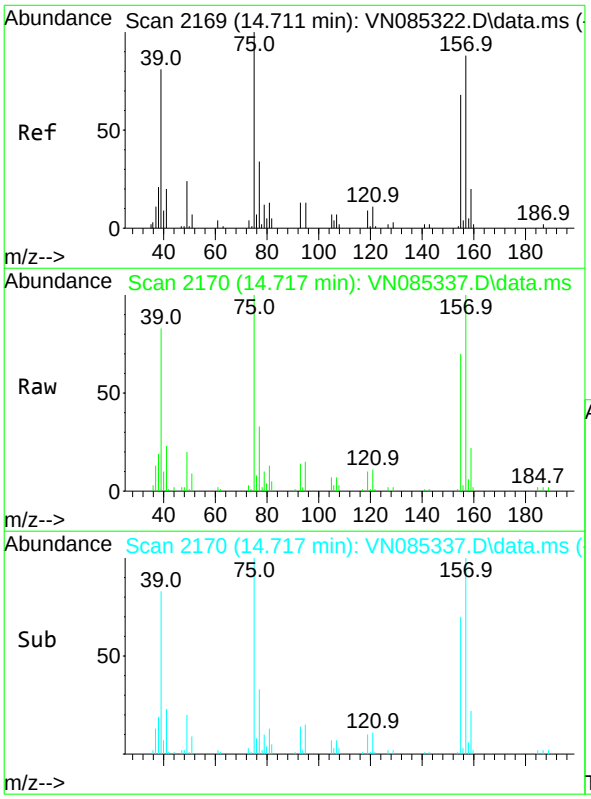
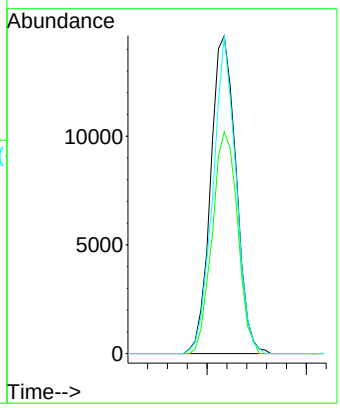
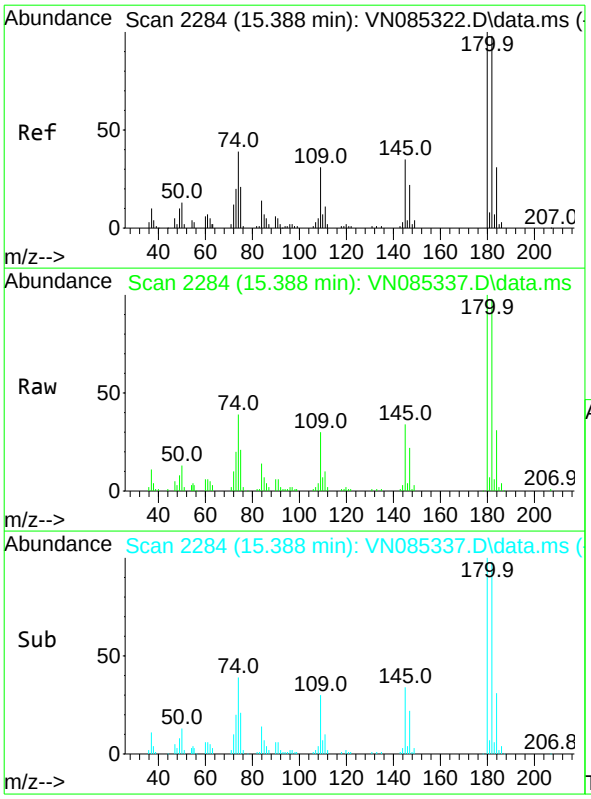


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.475 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 25973

Ion	Ratio	Lower	Upper
75	100		
155	69.8	35.6	106.9
157	90.6	47.0	141.0





#93
1,2,4-Trichlorobenzene
Concen: 46.223 ug/l
RT: 15.388 min Scan# 22
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:180 Resp: 84575

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.2	141.6
145	33.5	16.6	49.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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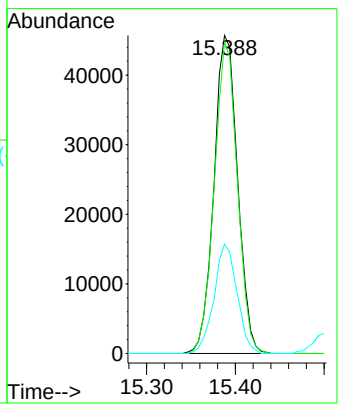
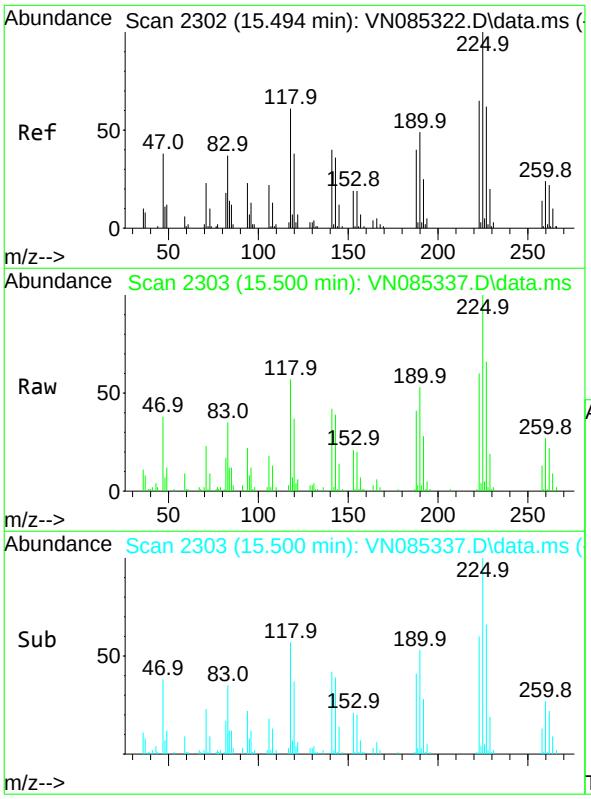
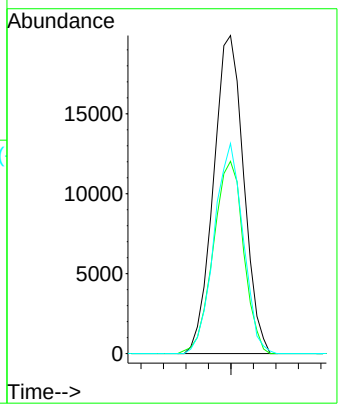


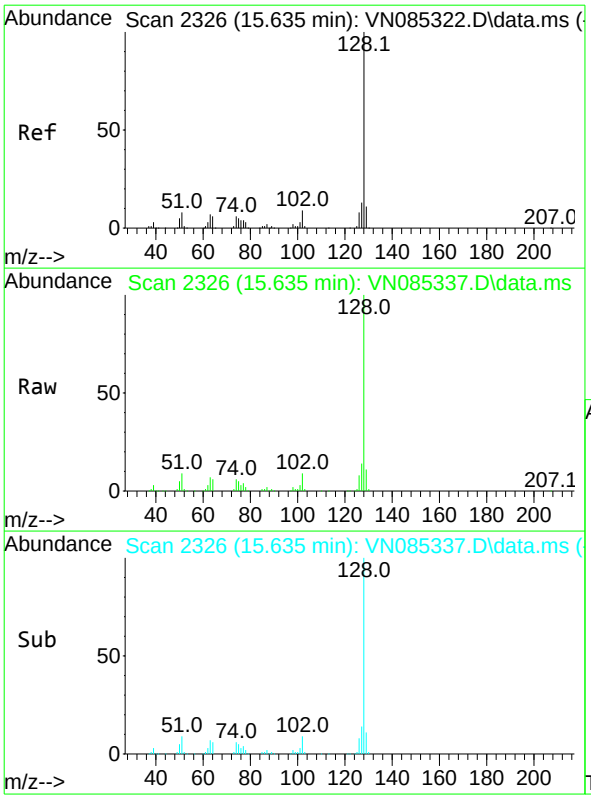


#94
Hexachlorobutadiene
Concen: 40.840 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:225 Resp: 37128

Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.6	94.7
227	63.3	30.3	91.0

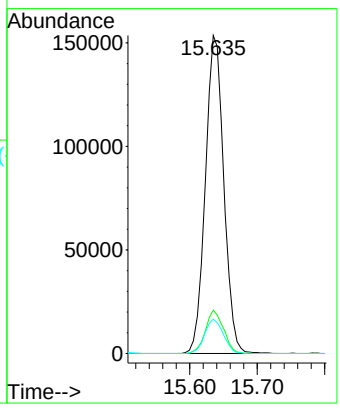




#95
Naphthalene
Concen: 46.923 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:128 Resp: 291130

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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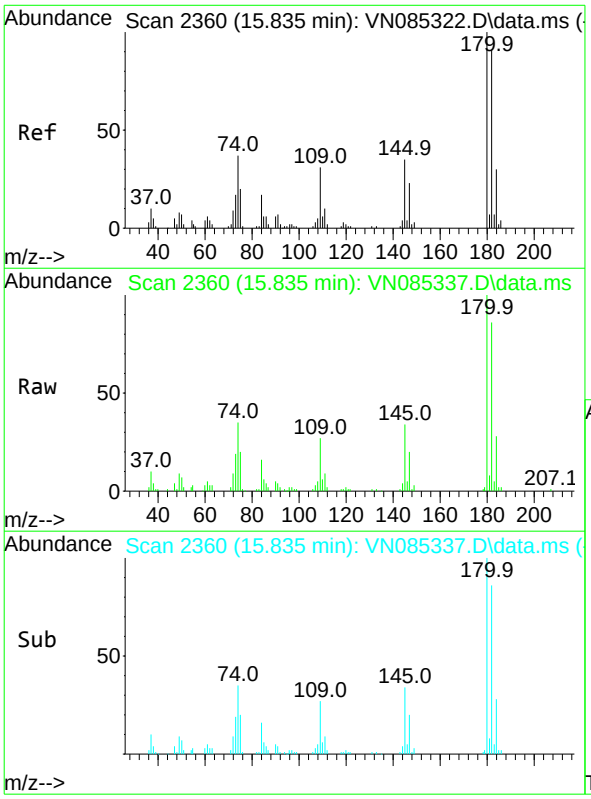
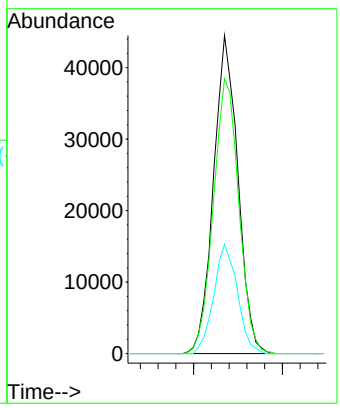


#96
1,2,3-Trichlorobenzene
Concen: 46.357 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:180 Resp: 84747

Ion	Ratio	Lower	Upper
180	100		
182	90.2	46.8	140.4
145	33.4	17.2	51.6



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Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	109	0.00
2	T	Dichlorodifluoromethane	0.676	0.666	1.5	104	0.00
3	P	Chloromethane	0.760	0.664	12.6	106	0.00
4	C	Vinyl Chloride	0.804	0.723	10.1#	104	0.00
5	T	Bromomethane	0.526	0.429	18.4	97	-0.01
6	T	Chloroethane	0.510	0.458	10.2	104	0.00
7	T	Trichlorofluoromethane	1.057	0.992	6.1	106	0.00
8	T	Diethyl Ether	0.350	0.366	-4.6	112	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.601	0.557	7.3	105	0.00
10	T	Methyl Iodide	0.696	0.685	1.6	105	-0.01
11	T	Tert butyl alcohol	0.089	0.092	-3.4	117	0.00
12	CM	1,1-Dichloroethene	0.556	0.532	4.3#	108	0.00
13	T	Acrolein	0.139	0.138	0.7	116	0.00
14	T	Allyl chloride	0.889	0.825	7.2	105	0.00
15	T	Acrylonitrile	0.281	0.287	-2.1	114	0.00
16	T	Acetone	0.235	0.239	-1.7	117	0.00
17	T	Carbon Disulfide	1.690	1.438	14.9	102	0.00
18	T	Methyl Acetate	0.718	0.740	-3.1	116	0.00
19	T	Methyl tert-butyl Ether	1.806	1.819	-0.7	106	0.00
20	T	Methylene Chloride	0.631	0.590	6.5	105	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.541	6.7	105	0.00
22	T	Diisopropyl ether	1.916	1.916	0.0	107	0.00
23	T	Vinyl Acetate	1.386	1.459	-5.3	112	0.00
24	P	1,1-Dichloroethane	1.154	1.097	4.9	107	0.00
25	T	2-Butanone	0.364	0.383	-5.2	114	0.00
26	T	2,2-Dichloropropane	1.011	0.915	9.5	97	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.651	4.4	103	0.00
28	T	Bromochloromethane	0.536	0.454	15.3	93	0.00
29	T	Tetrahydrofuran	0.234	0.254	-8.5	116	0.00
30	C	Chloroform	1.181	1.084	8.2#	104	0.00
31	T	Cyclohexane	1.054	0.914	13.3	102	0.00
32	T	1,1,1-Trichloroethane	1.055	0.952	9.8	102	0.00
33	S	1,2-Dichloroethane-d4	0.713	0.722	-1.3	110	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.312	0.320	-2.6	111	0.00
36	T	1,1-Dichloropropene	0.457	0.430	5.9	102	0.00
37	T	Ethyl Acetate	0.454	0.441	2.9	116	0.00
38	T	Carbon Tetrachloride	0.498	0.476	4.4	104	0.00
39	T	Methylcyclohexane	0.474	0.462	2.5	100	0.00
40	TM	Benzene	1.381	1.318	4.6	105	0.00
41	T	Methacrylonitrile	0.232	0.237	-2.2	110	0.00
42	TM	1,2-Dichloroethane	0.495	0.465	6.1	108	0.00
43	T	Isopropyl Acetate	0.747	0.848	-13.5	125	0.00
44	TM	Trichloroethene	0.327	0.295	9.8	104	0.00
45	C	1,2-Dichloropropane	0.351	0.331	5.7#	107	0.00
46	T	Dibromomethane	0.244	0.231	5.3	105	0.00
47	T	Bromodichloromethane	0.507	0.484	4.5	105	0.00
48	T	Methyl methacrylate	0.324	0.352	-8.6	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.005	0.005	0.0	111	0.00
50	S	Toluene-d8	1.145	1.166	-1.8	110	0.00
51	T	4-Methyl-2-Pentanone	0.420	0.451	-7.4	114	0.00
52	CM	Toluene	0.822	0.798	2.9#	103	0.00
53	T	t-1,3-Dichloropropene	0.498	0.495	0.6	102	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.527	2.2	104	0.00
55	T	1,1,2-Trichloroethane	0.310	0.303	2.3	108	0.00
56	T	Ethyl methacrylate	0.452	0.510	-12.8	111	0.00
57	T	1,3-Dichloropropane	0.545	0.530	2.8	105	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.236	-7.8	107	0.00
59	T	2-Hexanone	0.291	0.327	-12.4	116	0.00
60	T	Dibromochloromethane	0.350	0.358	-2.3	106	0.00
61	T	1,2-Dibromoethane	0.307	0.305	0.7	107	0.00
62	S	4-Bromofluorobenzene	0.380	0.390	-2.6	106	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.317	0.281	11.4	96	0.00
65	PM	Chlorobenzene	1.080	1.022	5.4	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.361	0.6	106	0.00
67	C	Ethyl Benzene	1.797	1.801	-0.2#	102	0.00
68	T	m/p-Xylenes	0.658	0.686	-4.3	103	0.00
69	T	o-Xylene	0.636	0.660	-3.8	102	0.00
70	T	Styrene	1.031	1.115	-8.1	103	0.00
71	P	Bromoform	0.251	0.269	-7.2	109	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.596	3.616	-0.6	102	0.00
74	T	N-amyl acetate	1.539	1.745	-13.4	113	0.00
75	P	1,1,2,2-Tetrachloroethane	1.145	1.137	0.7	112	0.00
76	T	1,2,3-Trichloropropane	0.934	1.024	-9.6	130	0.00
77	T	Bromobenzene	0.891	0.815	8.5	102	0.00
78	T	n-propylbenzene	4.191	4.251	-1.4	102	0.00
79	T	2-Chlorotoluene	2.638	2.596	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	2.908	3.017	-3.7	103	0.00
81	T	trans-1,4-Dichloro-2-butene	0.390	0.416	-6.7	108	0.00
82	T	4-Chlorotoluene	2.657	2.611	1.7	104	0.00
83	T	tert-Butylbenzene	2.519	2.513	0.2	102	0.00
84	T	1,2,4-Trimethylbenzene	2.896	3.044	-5.1	102	0.00
85	T	sec-Butylbenzene	3.497	3.558	-1.7	100	0.00
86	T	p-Isopropyltoluene	2.816	2.979	-5.8	102	0.00
87	T	1,3-Dichlorobenzene	1.615	1.531	5.2	102	0.00
88	T	1,4-Dichlorobenzene	1.659	1.528	7.9	102	0.00
89	T	n-Butylbenzene	2.561	2.533	1.1	98	0.00
90	T	Hexachloroethane	0.573	0.593	-3.5	105	0.00
91	T	1,2-Dichlorobenzene	1.538	1.499	2.5	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.204	0.218	-6.9	113	0.00
93	T	1,2,4-Trichlorobenzene	0.768	0.710	7.6	98	0.00
94	T	Hexachlorobutadiene	0.381	0.312	18.1	96	0.00
95	T	Naphthalene	2.603	2.443	6.1	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.767	0.711	7.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	109	0.00
2	T	Dichlorodifluoromethane	50.000	49.249	1.5	104	0.00
3	P	Chloromethane	50.000	43.706	12.6	106	0.00
4	C	Vinyl Chloride	50.000	44.993	10.0#	104	0.00
5	T	Bromomethane	50.000	40.830	18.3	97	-0.01
6	T	Chloroethane	50.000	44.963	10.1	104	0.00
7	T	Trichlorofluoromethane	50.000	46.925	6.2	106	0.00
8	T	Diethyl Ether	50.000	52.307	-4.6	112	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.360	7.3	105	0.00
10	T	Methyl Iodide	50.000	49.261	1.5	105	-0.01
11	T	Tert butyl alcohol	250.000	257.112	-2.8	117	0.00
12	CM	1,1-Dichloroethene	50.000	47.837	4.3#	108	0.00
13	T	Acrolein	250.000	248.168	0.7	116	0.00
14	T	Allyl chloride	50.000	46.385	7.2	105	0.00
15	T	Acrylonitrile	250.000	255.570	-2.2	114	0.00
16	T	Acetone	250.000	254.740	-1.9	117	0.00
17	T	Carbon Disulfide	50.000	42.538	14.9	102	0.00
18	T	Methyl Acetate	50.000	51.536	-3.1	116	0.00
19	T	Methyl tert-butyl Ether	50.000	50.367	-0.7	106	0.00
20	T	Methylene Chloride	50.000	46.795	6.4	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.608	6.8	105	0.00
22	T	Diisopropyl ether	50.000	49.987	0.0	107	0.00
23	T	Vinyl Acetate	250.000	263.034	-5.2	112	0.00
24	P	1,1-Dichloroethane	50.000	47.530	4.9	107	0.00
25	T	2-Butanone	250.000	262.964	-5.2	114	0.00
26	T	2,2-Dichloropropane	50.000	45.241	9.5	97	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.812	4.4	103	0.00
28	T	Bromochloromethane	50.000	42.276	15.4	93	0.00
29	T	Tetrahydrofuran	250.000	271.082	-8.4	116	0.00
30	C	Chloroform	50.000	45.890	8.2#	104	0.00
31	T	Cyclohexane	50.000	43.379	13.2	102	0.00
32	T	1,1,1-Trichloroethane	50.000	45.147	9.7	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.594	-1.2	110	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	51.312	-2.6	111	0.00
36	T	1,1-Dichloropropene	50.000	47.028	5.9	102	0.00
37	T	Ethyl Acetate	50.000	48.579	2.8	116	0.00
38	T	Carbon Tetrachloride	50.000	47.859	4.3	104	0.00
39	T	Methylcyclohexane	50.000	48.731	2.5	100	0.00
40	TM	Benzene	50.000	47.710	4.6	105	0.00
41	T	Methacrylonitrile	50.000	50.926	-1.9	110	0.00
42	TM	1,2-Dichloroethane	50.000	47.009	6.0	108	0.00
43	T	Isopropyl Acetate	50.000	56.698	-13.4	125	0.00
44	TM	Trichloroethene	50.000	45.091	9.8	104	0.00
45	C	1,2-Dichloropropane	50.000	47.168	5.7#	107	0.00
46	T	Dibromomethane	50.000	47.348	5.3	105	0.00
47	T	Bromodichloromethane	50.000	47.752	4.5	105	0.00
48	T	Methyl methacrylate	50.000	54.215	-8.4	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	1119.134	-11.9	111	0.00
50	S	Toluene-d8	50.000	50.937	-1.9	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.651	-7.5	114	0.00
52	CM	Toluene	50.000	48.552	2.9#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	49.694	0.6	102	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.936	2.1	104	0.00
55	T	1,1,2-Trichloroethane	50.000	48.764	2.5	108	0.00
56	T	Ethyl methacrylate	50.000	56.392	-12.8	111	0.00
57	T	1,3-Dichloropropane	50.000	48.684	2.6	105	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.032	-8.0	107	0.00
59	T	2-Hexanone	250.000	280.111	-12.0	116	0.00
60	T	Dibromochloromethane	50.000	51.180	-2.4	106	0.00
61	T	1,2-Dibromoethane	50.000	49.680	0.6	107	0.00
62	S	4-Bromofluorobenzene	50.000	51.260	-2.5	106	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	44.300	11.4	96	0.00
65	PM	Chlorobenzene	50.000	47.277	5.4	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.750	0.5	106	0.00
67	C	Ethyl Benzene	50.000	50.123	-0.2#	102	0.00
68	T	m/p-Xylenes	100.000	104.245	-4.2	103	0.00
69	T	o-Xylene	50.000	51.838	-3.7	102	0.00
70	T	Styrene	50.000	54.081	-8.2	103	0.00
71	P	Bromoform	50.000	53.619	-7.2	109	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	50.287	-0.6	102	0.00
74	T	N-amyl acetate	50.000	56.680	-13.4	113	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.623	0.8	112	0.00
76	T	1,2,3-Trichloropropane	50.000	54.860	-9.7	130	0.00
77	T	Bromobenzene	50.000	45.760	8.5	102	0.00
78	T	n-propylbenzene	50.000	50.717	-1.4	102	0.00
79	T	2-Chlorotoluene	50.000	49.202	1.6	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.871	-3.7	103	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.330	-6.7	108	0.00
82	T	4-Chlorotoluene	50.000	49.151	1.7	104	0.00
83	T	tert-Butylbenzene	50.000	49.875	0.3	102	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.558	-5.1	102	0.00
85	T	sec-Butylbenzene	50.000	50.868	-1.7	100	0.00
86	T	p-Isopropyltoluene	50.000	47.752	4.5	102	0.00
87	T	1,3-Dichlorobenzene	50.000	47.408	5.2	102	0.00
88	T	1,4-Dichlorobenzene	50.000	46.065	7.9	102	0.00
89	T	n-Butylbenzene	50.000	49.458	1.1	98	0.00
90	T	Hexachloroethane	50.000	51.745	-3.5	105	0.00
91	T	1,2-Dichlorobenzene	50.000	48.719	2.6	104	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.475	-7.0	113	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.223	7.6	98	0.00
94	T	Hexachlorobutadiene	50.000	40.840	18.3	96	0.00
95	T	Naphthalene	50.000	46.923	6.2	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.357	7.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

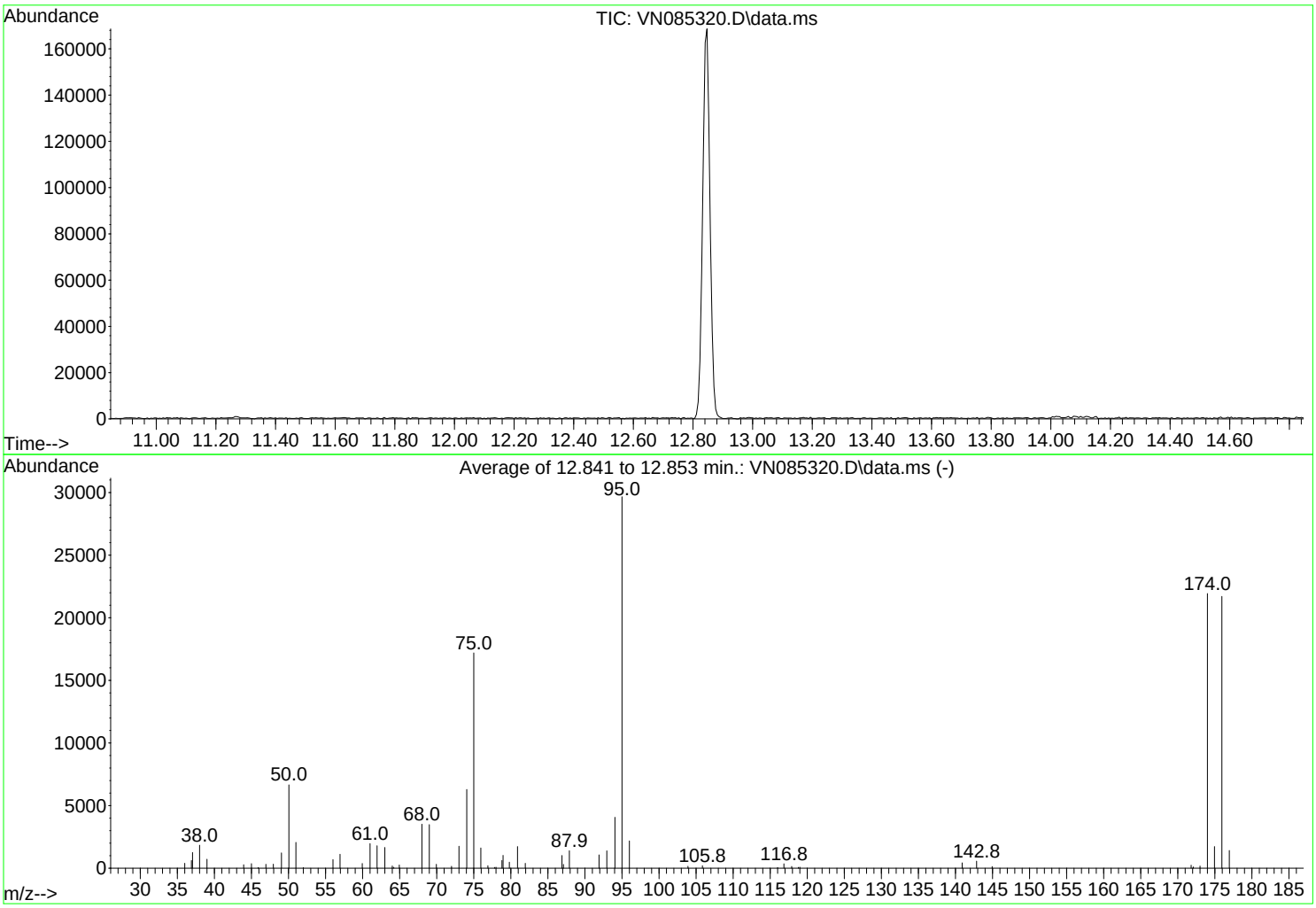
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085320.D
Acq On : 27 Dec 2024 09:52
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\82N122724W.M
Title : SW846 8260
Last Update : Sat Dec 28 01:36:16 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	22.4	6656	PASS
75	95	30	60	58.0	17193	PASS
95	95	100	100	100.0	29667	PASS
96	95	5	9	7.3	2180	PASS
173	174	0.00	2	0.8	173	PASS
174	95	50	100	73.9	21933	PASS
175	174	5	9	7.9	1730	PASS
176	174	95	101	99.0	21707	PASS
177	176	5	9	6.5	1416	PASS

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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1227WBL01	SDG No.:	P5380
Lab Sample ID:	VN1227WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085329.D	1		12/27/24 16:33	VN122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.9		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	53.1		89 - 112		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	8.224				
540-36-3	1,4-Difluorobenzene	273000	9.1				
3114-55-4	Chlorobenzene-d5	232000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	90100	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\VN122724\
Data File : VN085329.D
Acq On : 27 Dec 2024 16:33
Operator : JC\MD
Sample : VN1227WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Quant Time: Dec 28 01:41:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

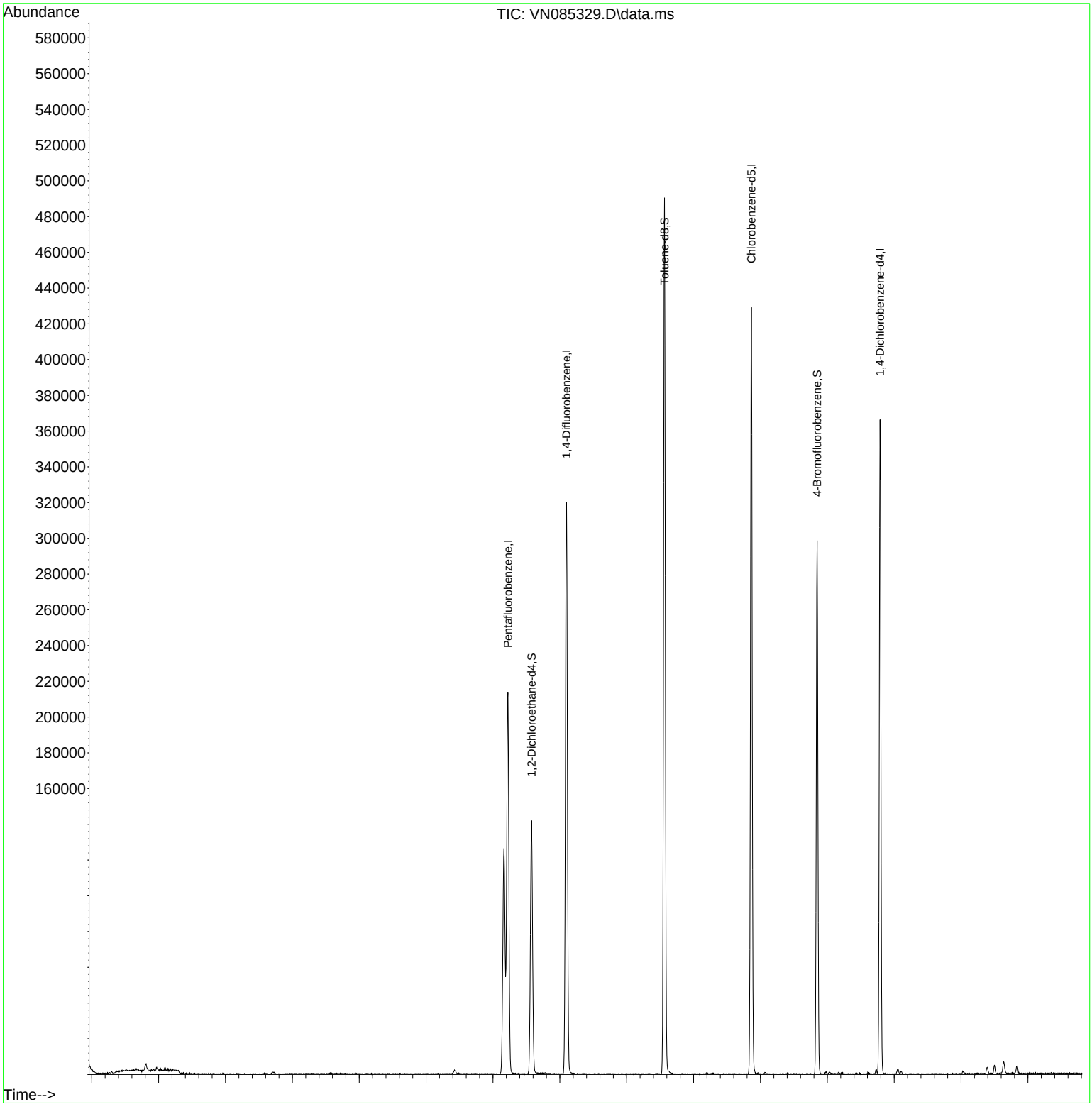
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	146718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	90060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116968	55.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.800%			
35) Dibromofluoromethane	8.165	113	89459	52.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.220%			
50) Toluene-d8	10.565	98	331120	53.064	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.847	95	101561	49.007	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.020%			
Target Compounds						Qvalue

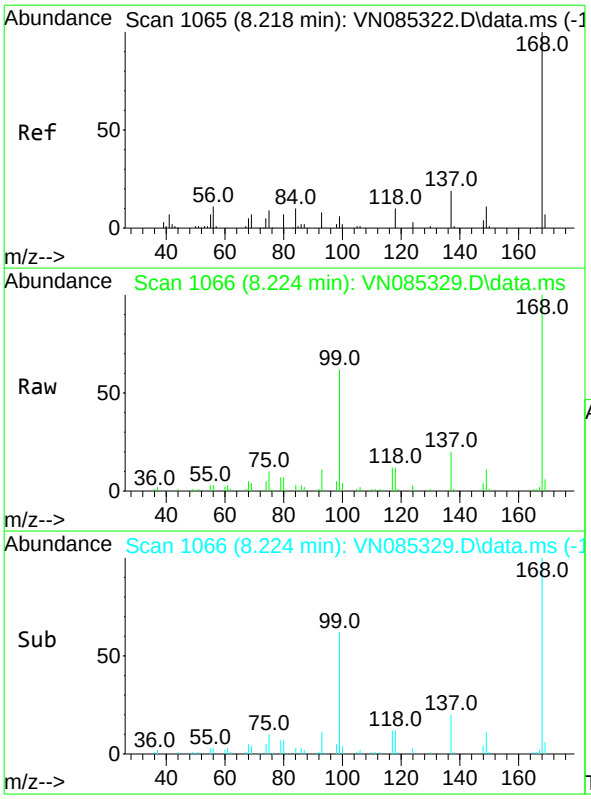
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085329.D
Acq On : 27 Dec 2024 16:33
Operator : JC\MD
Sample : VN1227WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Quant Time: Dec 28 01:41:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



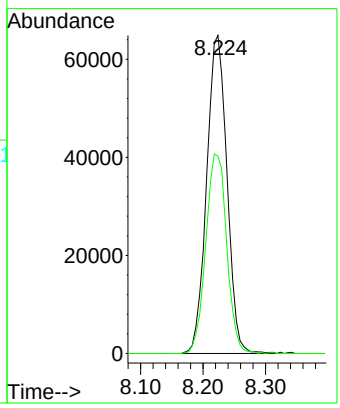


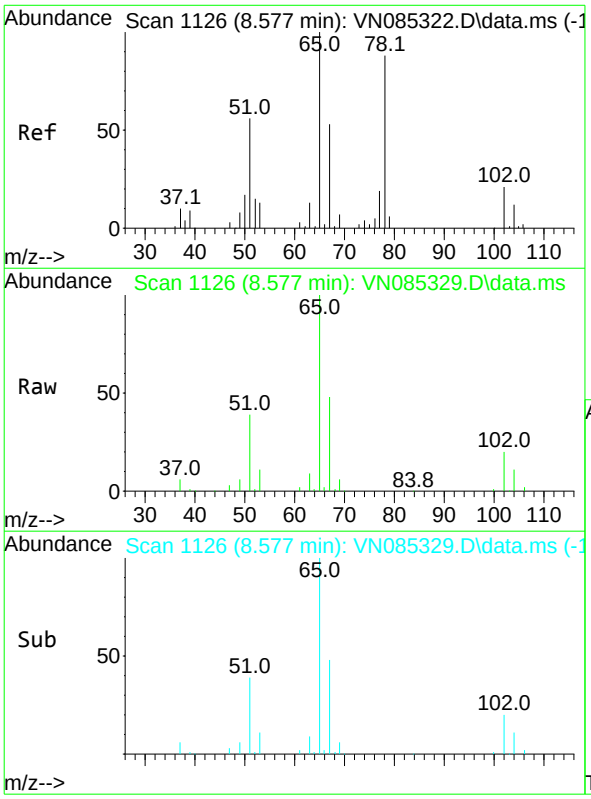
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Tgt Ion:168 Resp: 146718

Ion	Ratio	Lower	Upper
168	100		
99	62.0	51.0	76.4

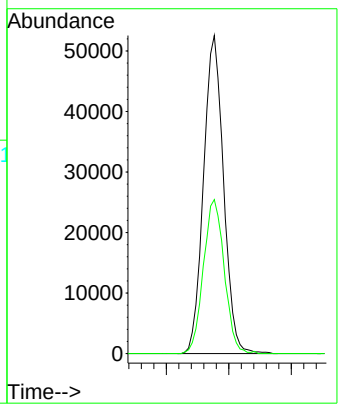


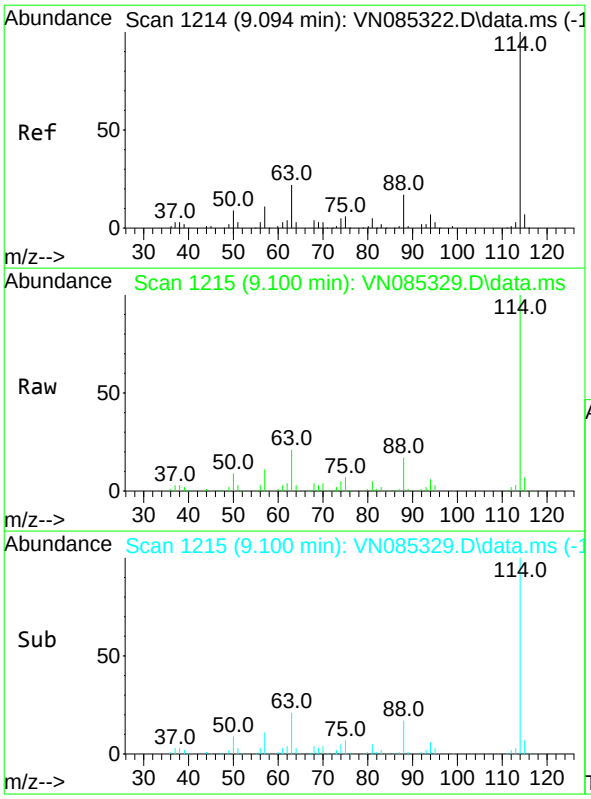


#33
1,2-Dichloroethane-d4
Concen: 55.896 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Tgt Ion: 65 Resp: 116968

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	104.0



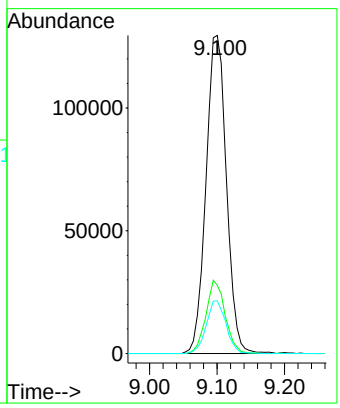


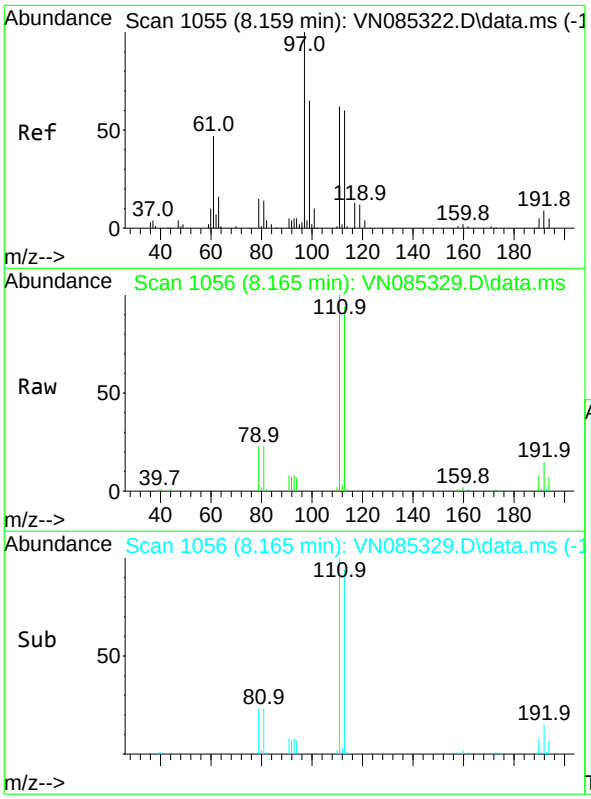
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Tgt Ion:114 Resp: 272578

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.4
88	16.6	0.0	33.6

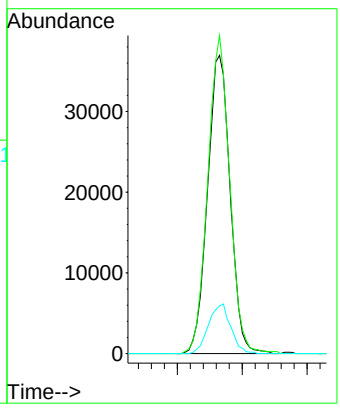


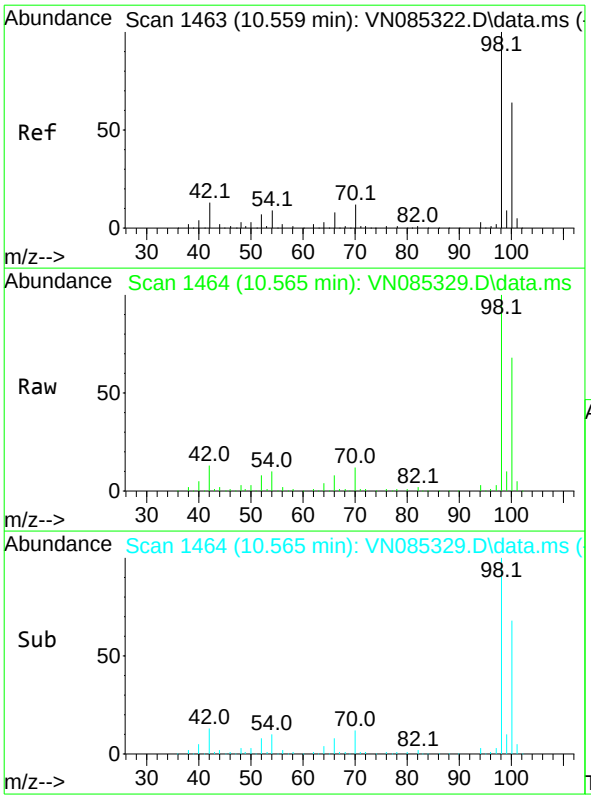


#35
Dibromofluoromethane
Concen: 52.608 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Tgt Ion:113 Resp: 89459

Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.5	120.7
192	16.3	12.9	19.3



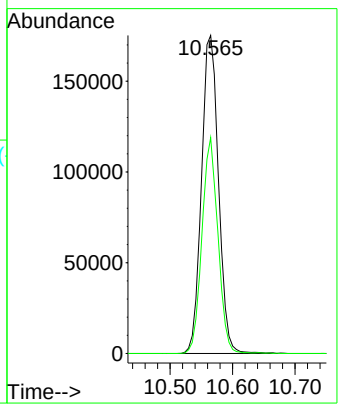


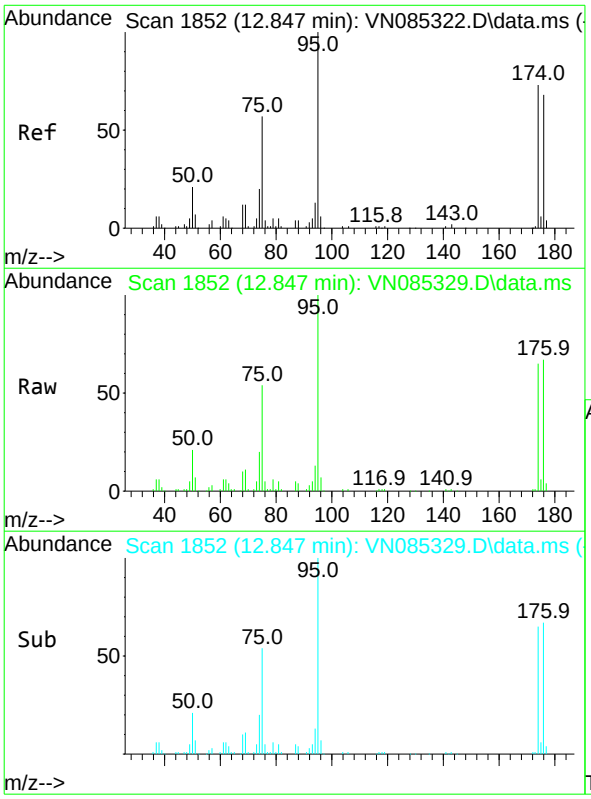
#50
Toluene-d8
Concen: 53.064 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Tgt Ion: 98 Resp: 331120

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3

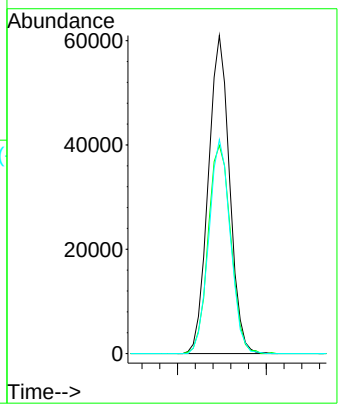


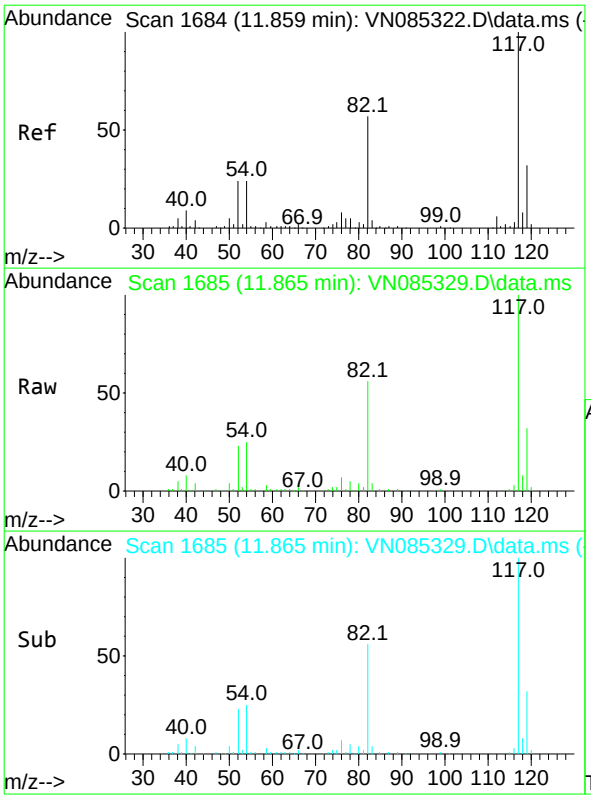


#62
4-Bromofluorobenzene
Concen: 49.007 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Tgt Ion: 95 Resp: 101561

Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	143.2
176	67.9	0.0	135.8



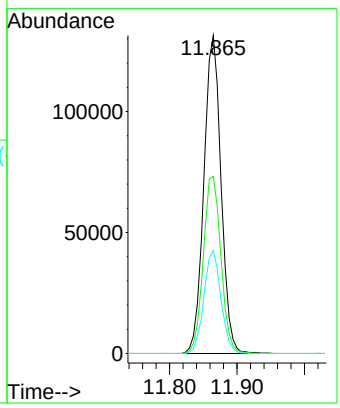


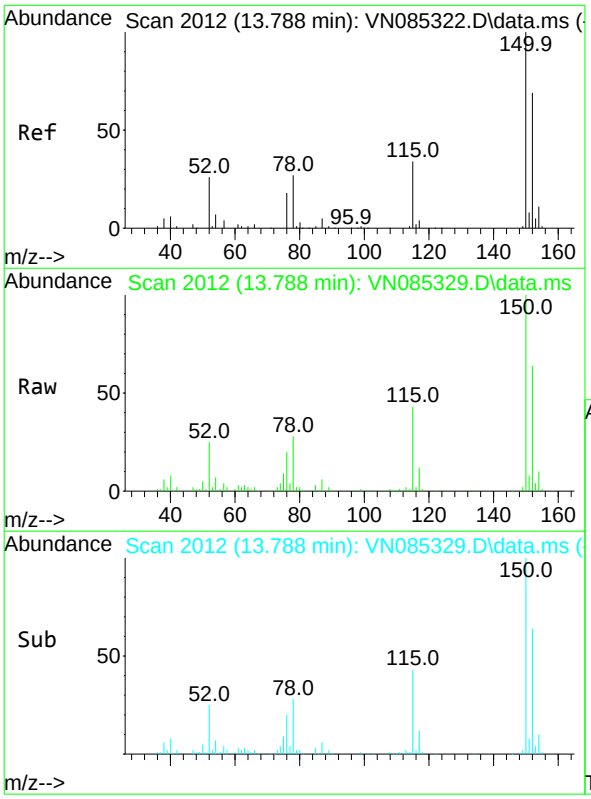
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBL01

Tgt Ion:117 Resp: 232422

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.7	68.5
119	32.4	25.8	38.8

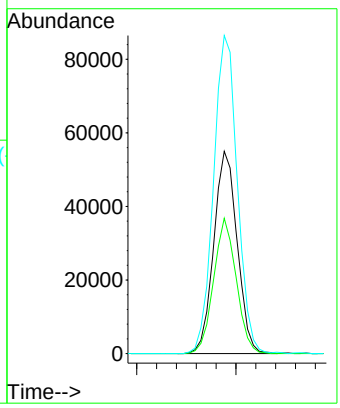




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085329.D
Acq: 27 Dec 2024 16:33

Tgt Ion:152 Resp: 90060

Ion	Ratio	Lower	Upper
152	100		
115	64.6	30.4	91.3
150	160.0	0.0	345.0



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1227WBS01	SDG No.:	P5380
Lab Sample ID:	VN1227WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085330.D	1		12/27/24 16:57	VN122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	16.8		0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	96.2		1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	17.6		0.25	0.50	5.00	ug/L
67-66-3	Chloroform	17.4		0.26	0.50	5.00	ug/L
71-43-2	Benzene	17.5		0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	17.3		0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	16.8		0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	17.7		0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171000	8.224				
540-36-3	1,4-Difluorobenzene	303000	9.1				
3114-55-4	Chlorobenzene-d5	254000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	111000	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
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J = Estimated Value
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121898	50.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.120%			
35) Dibromofluoromethane	8.165	113	94013	49.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	10.565	98	351721	50.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.847	95	116494	50.489	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43449	18.817	ug/l	95
3) Chloromethane	2.359	50	43547	16.780	ug/l	100
4) Vinyl Chloride	2.512	62	46023	16.768	ug/l	96
5) Bromomethane	2.959	94	29868	16.639	ug/l	98
6) Chloroethane	3.118	64	30694	17.634	ug/l	99
7) Trichlorofluoromethane	3.501	101	63768	17.674	ug/l	98
8) Diethyl Ether	3.959	74	21725	18.186	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35886	17.480	ug/l	97
10) Methyl Iodide	4.589	142	40932	17.229	ug/l	94
11) Tert butyl alcohol	5.506	59	31998	104.934	ug/l	100
12) 1,1-Dichloroethene	4.342	96	33040	17.414	ug/l	87
13) Acrolein	4.177	56	41809	87.943	ug/l	100
14) Allyl chloride	5.024	41	49542	16.315	ug/l	98
15) Acrylonitrile	5.718	53	90364	94.155	ug/l	98
16) Acetone	4.424	43	77254	96.477	ug/l	96
17) Carbon Disulfide	4.712	76	90070	15.605	ug/l	98
18) Methyl Acetate	5.024	43	47009	19.175	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	110534	17.924	ug/l	99
20) Methylene Chloride	5.277	84	37667	17.488	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	33327	16.815	ug/l	92
22) Diisopropyl ether	6.671	45	118015	18.035	ug/l	98
23) Vinyl Acetate	6.600	43	434816	91.855	ug/l	98
24) 1,1-Dichloroethane	6.565	63	69242	17.566	ug/l	98
25) 2-Butanone	7.483	43	119558	96.241	ug/l	97
26) 2,2-Dichloropropane	7.489	77	59724	17.294	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	40786	17.533	ug/l	97
28) Bromochloromethane	7.812	49	33586	18.335	ug/l #	100
29) Tetrahydrofuran	7.836	42	81381	101.699	ug/l	99
30) Chloroform	7.959	83	70354	17.446	ug/l	95
31) Cyclohexane	8.253	56	59824	16.621	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	61343	17.033	ug/l	98
36) 1,1-Dichloropropene	8.371	75	48077	17.343	ug/l	99
37) Ethyl Acetate	7.559	43	51711	18.768	ug/l	99
38) Carbon Tetrachloride	8.359	117	53303	17.641	ug/l	96
39) Methylcyclohexane	9.600	83	49793	17.312	ug/l	99
40) Benzene	8.600	78	146952	17.534	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26082	18.484	ug/l		98
42) 1,2-Dichloroethane	8.665	62	51885	17.267	ug/l		100
43) Isopropyl Acetate	8.683	43	83925	18.499	ug/l		99
44) Trichloroethene	9.347	130	33316	16.790	ug/l		96
45) 1,2-Dichloropropane	9.618	63	37543	17.646	ug/l		99
46) Dibromomethane	9.706	93	26479	17.895	ug/l		99
47) Bromodichloromethane	9.883	83	54021	17.565	ug/l		97
48) Methyl methacrylate	9.677	41	38382	19.497	ug/l		97
49) 1,4-Dioxane	9.688	88	13255	446.267	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	257213	100.886	ug/l		100
52) Toluene	10.630	92	89808	17.996	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	53764	17.777	ug/l		93
54) cis-1,3-Dichloropropene	10.306	75	59027	18.049	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	34671	18.402	ug/l		96
56) Ethyl methacrylate	10.871	69	52590	19.165	ug/l		99
57) 1,3-Dichloropropane	11.159	76	60541	18.308	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	134176	101.065	ug/l		100
59) 2-Hexanone	11.194	43	183110	103.517	ug/l		100
60) Dibromochloromethane	11.359	129	38342	18.067	ug/l		95
61) 1,2-Dibromoethane	11.465	107	33837	18.152	ug/l		99
64) Tetrachloroethene	11.100	164	29016	18.045	ug/l		94
65) Chlorobenzene	11.888	112	97170	17.719	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33399	18.146	ug/l		99
67) Ethyl Benzene	11.959	91	167113	18.324	ug/l		100
68) m/p-Xylenes	12.071	106	127874	38.314	ug/l		99
69) o-Xylene	12.394	106	58720	18.187	ug/l		93
70) Styrene	12.406	104	100048	19.120	ug/l		99
71) Bromoform	12.571	173	24033	18.853	ug/l	#	98
73) Isopropylbenzene	12.694	105	149902	18.757	ug/l		99
74) N-amyl acetate	12.488	43	69851	20.419	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	49543	19.464	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	45541m	21.944	ug/l		
77) Bromobenzene	12.976	156	35139	17.746	ug/l		96
78) n-propylbenzene	13.035	91	180713	19.398	ug/l		99
79) 2-Chlorotoluene	13.118	91	109897	18.744	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	125698	19.444	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16022	18.488	ug/l		91
82) 4-Chlorotoluene	13.218	91	109755	18.587	ug/l		98
83) tert-Butylbenzene	13.435	119	104613	18.682	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	126545	19.659	ug/l		99
85) sec-Butylbenzene	13.612	105	149749	19.266	ug/l		100
86) p-Isopropyltoluene	13.729	119	121179	18.228	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	66029	18.395	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	65210	17.686	ug/l		98
89) n-Butylbenzene	14.053	91	101990	17.919	ug/l		98
90) Hexachloroethane	14.329	117	23690	18.594	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	63769	18.649	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8997	19.860	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	29229	17.127	ug/l		98
94) Hexachlorobutadiene	15.500	225	13999	16.510	ug/l		99
95) Naphthalene	15.635	128	95832	16.560	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	29742	17.443	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 12/30/2024

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\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
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Misc : 5.0mL/MSVOA_N/WATER
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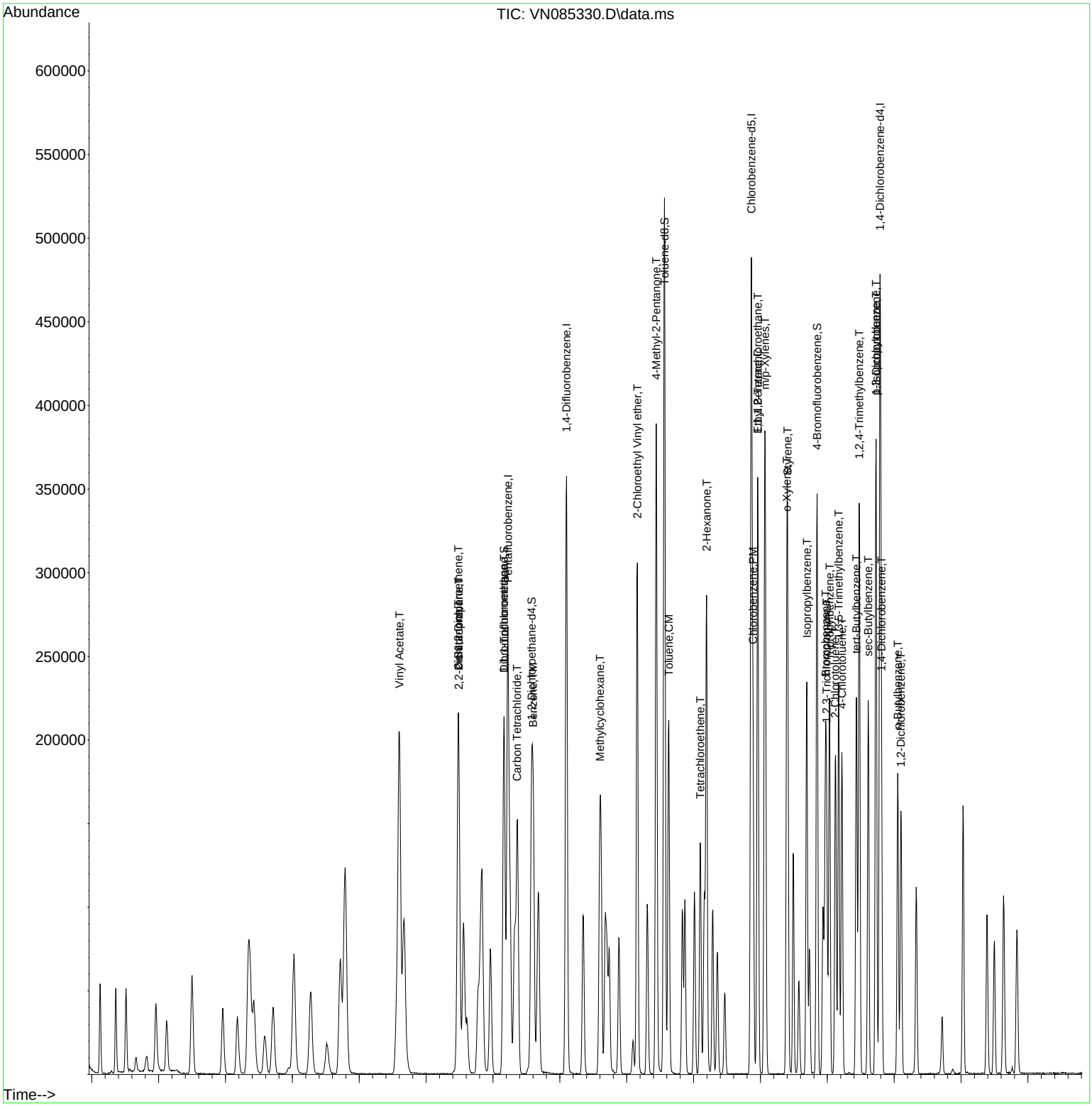
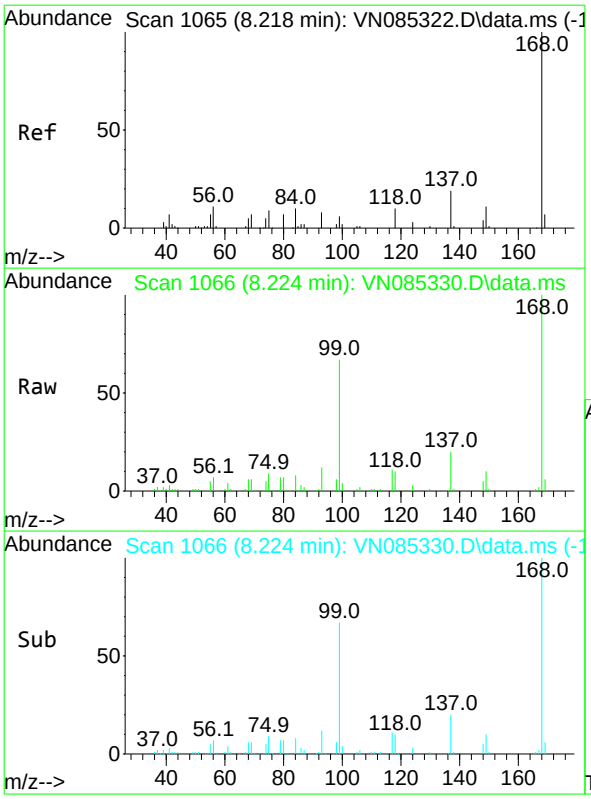
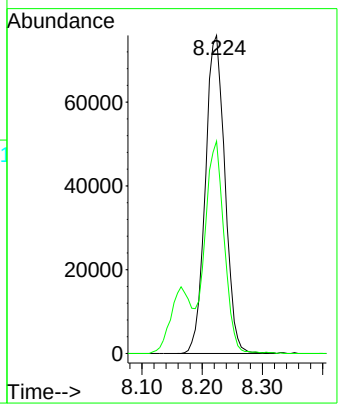




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:168 Resp: 170735

Ion	Ratio	Lower	Upper
168	100		
99	66.7	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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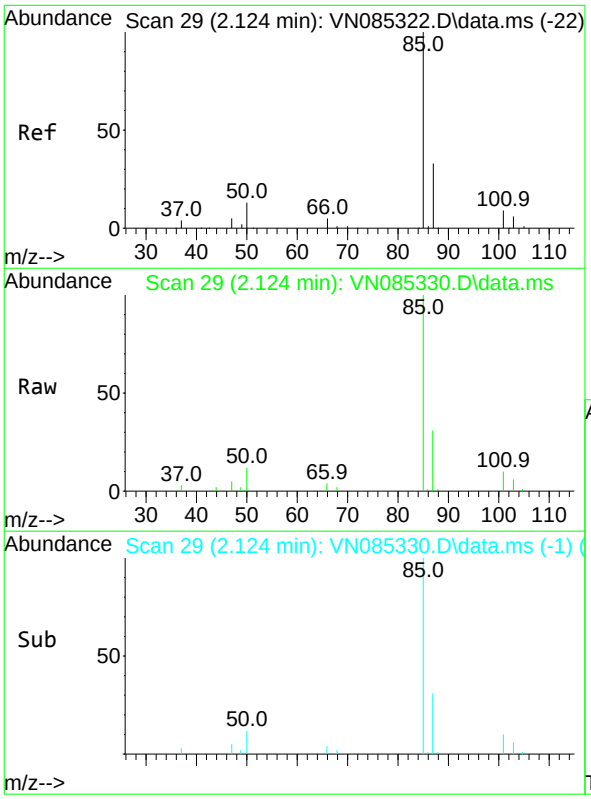
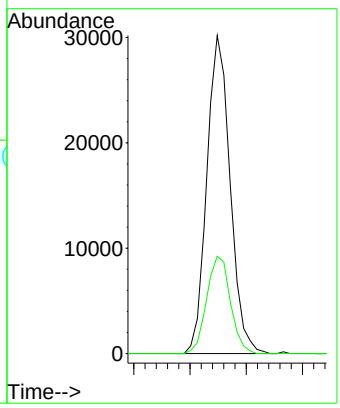
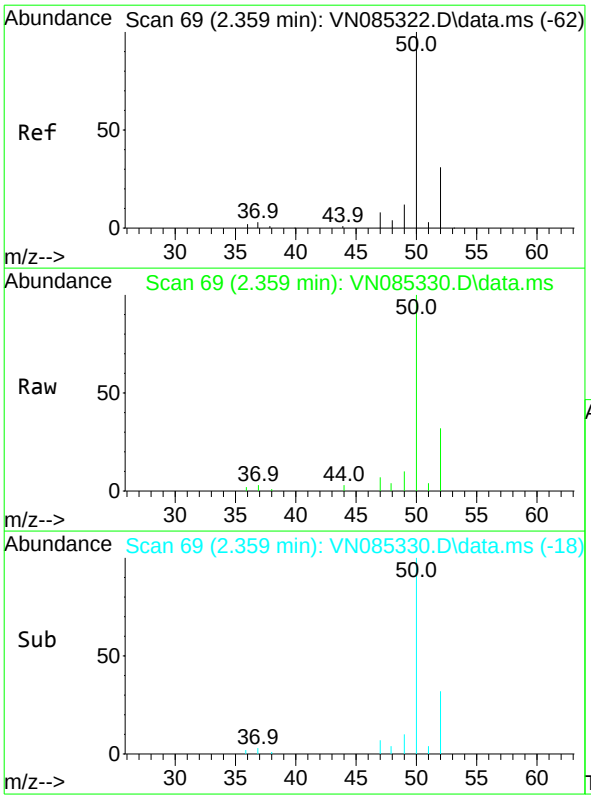


#2
Dichlorodifluoromethane
Concen: 18.817 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 85 Resp: 43449

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.8	50.3

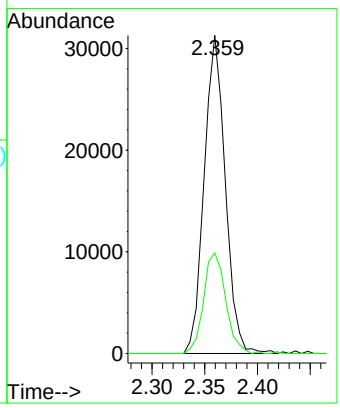




#3
Chloromethane
Concen: 16.780 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 50 Resp: 43547

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

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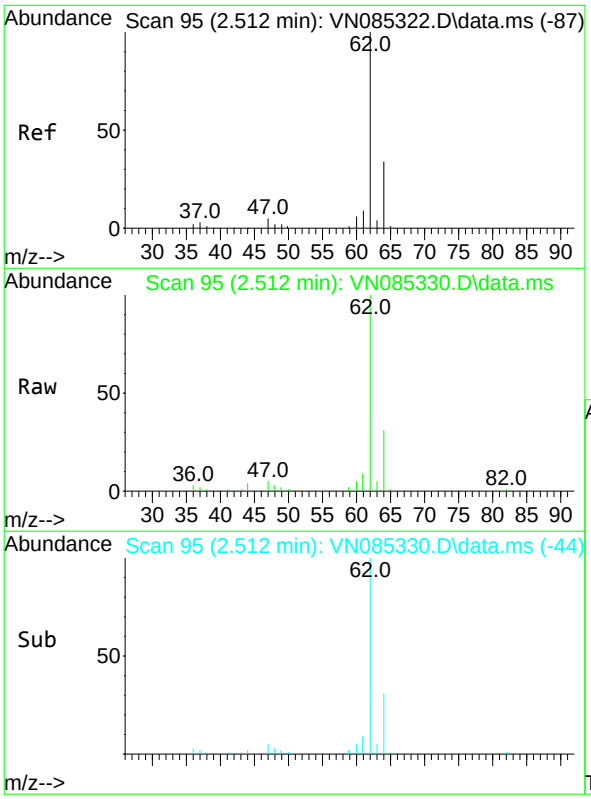
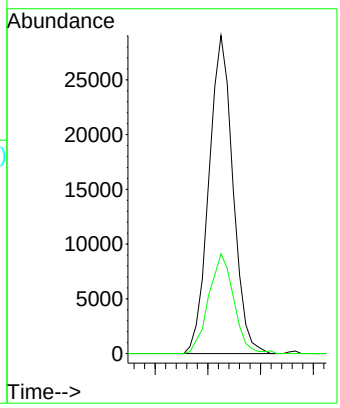
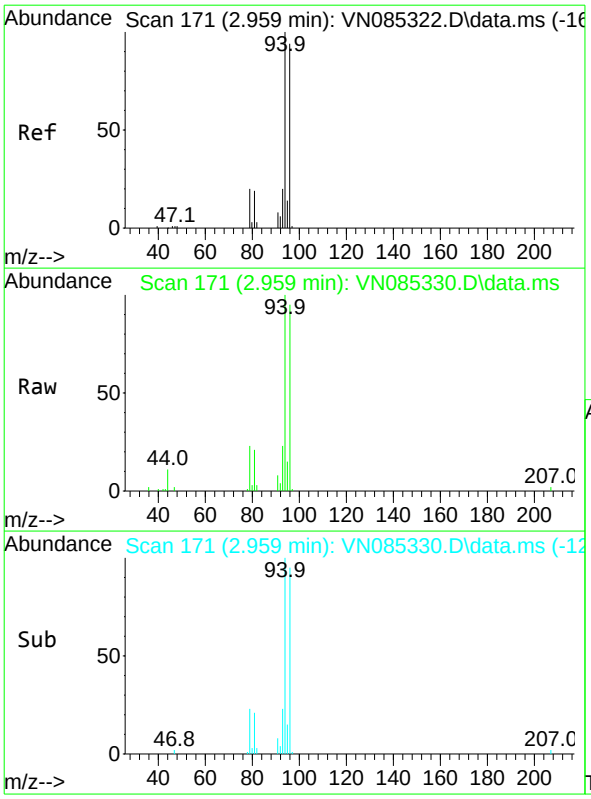


#4
Vinyl Chloride
Concen: 16.768 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 62 Resp: 46023

Ion	Ratio	Lower	Upper
62	100		
64	31.4	27.0	40.6

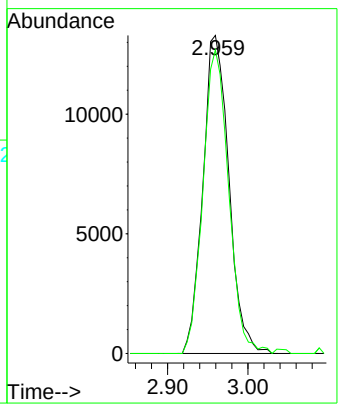




#5
Bromomethane
Concen: 16.639 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 94 Resp: 29868

Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

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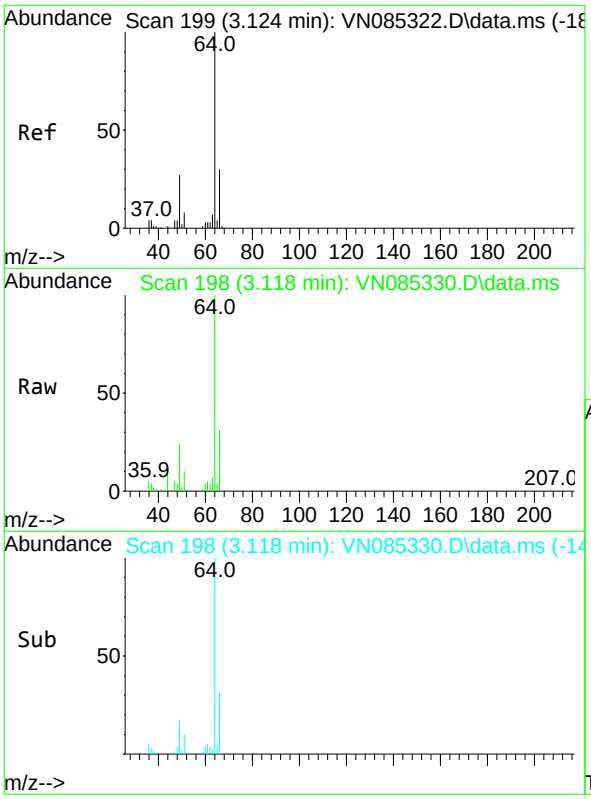
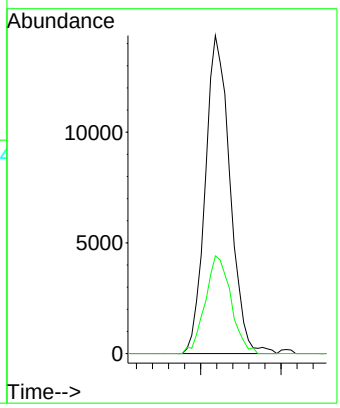
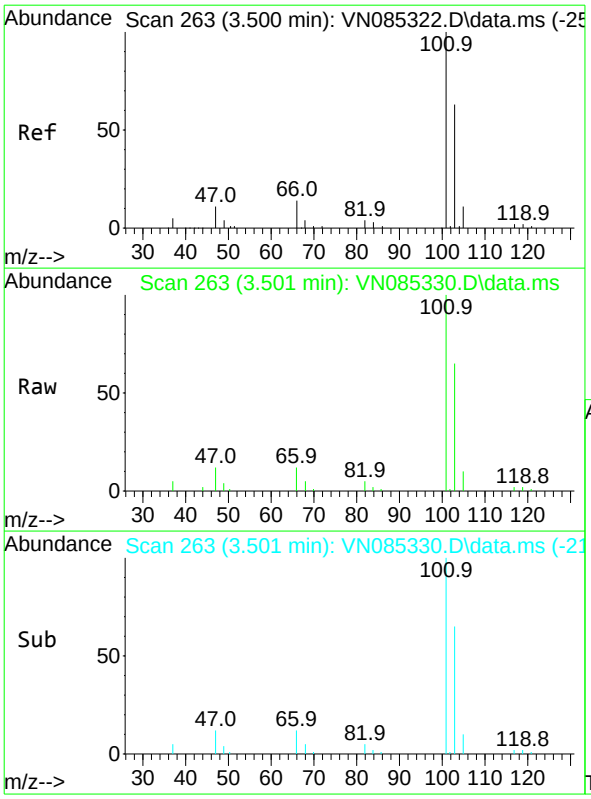


#6
Chloroethane
Concen: 17.634 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 64 Resp: 30694

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.1	36.1

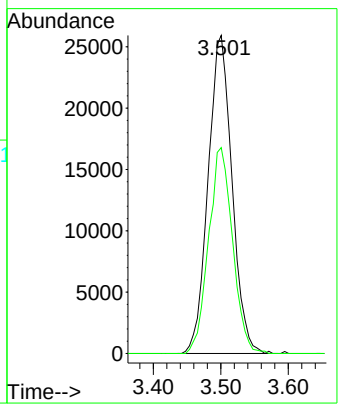




#7
Trichlorofluoromethane
Concen: 17.674 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:101 Resp: 63768

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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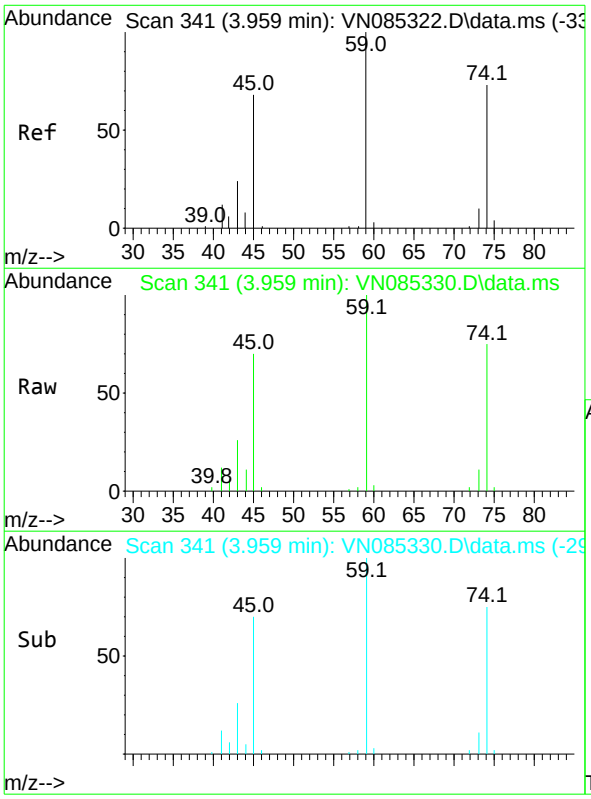
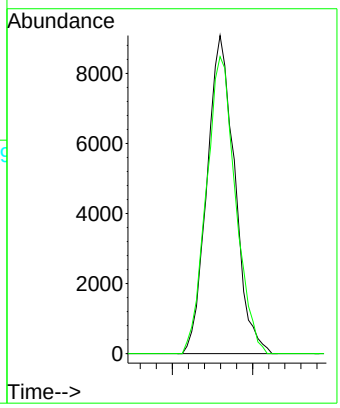
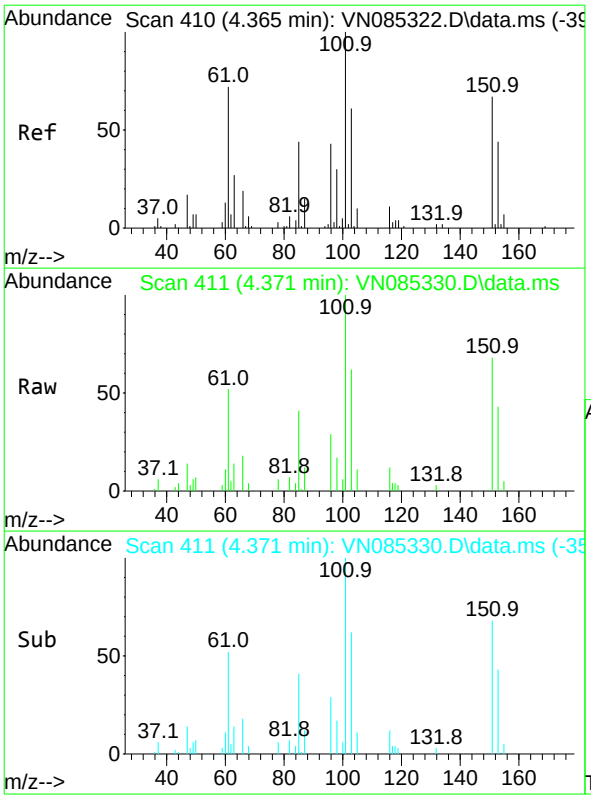


#8
Diethyl Ether
Concen: 18.186 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 74 Resp: 21725

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.6

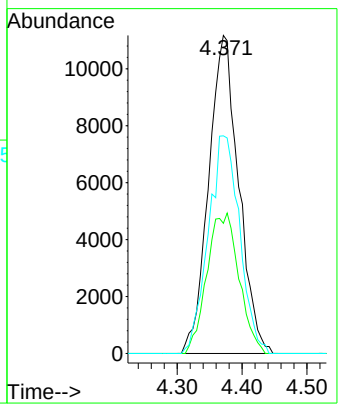




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.480 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:101 Resp: 35886

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	71.6	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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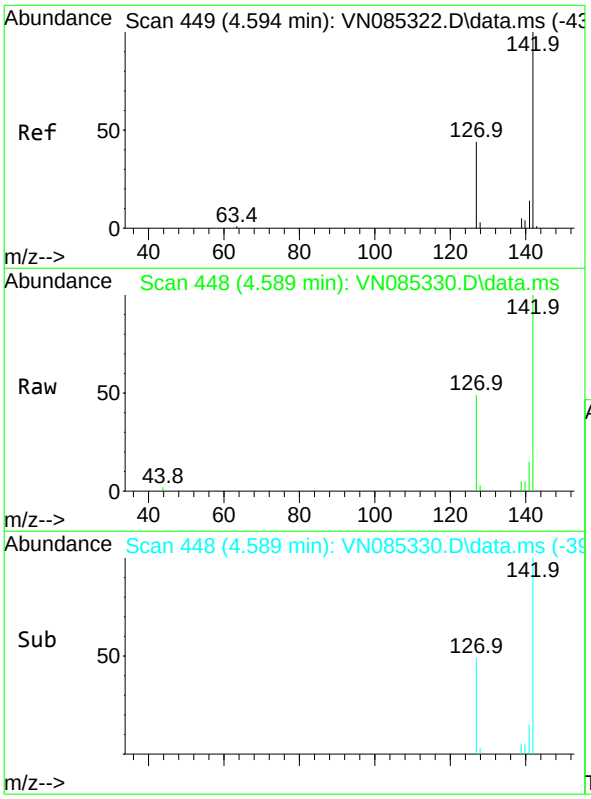
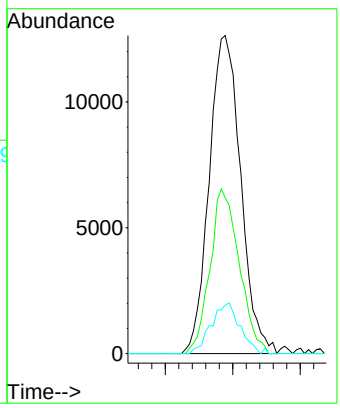
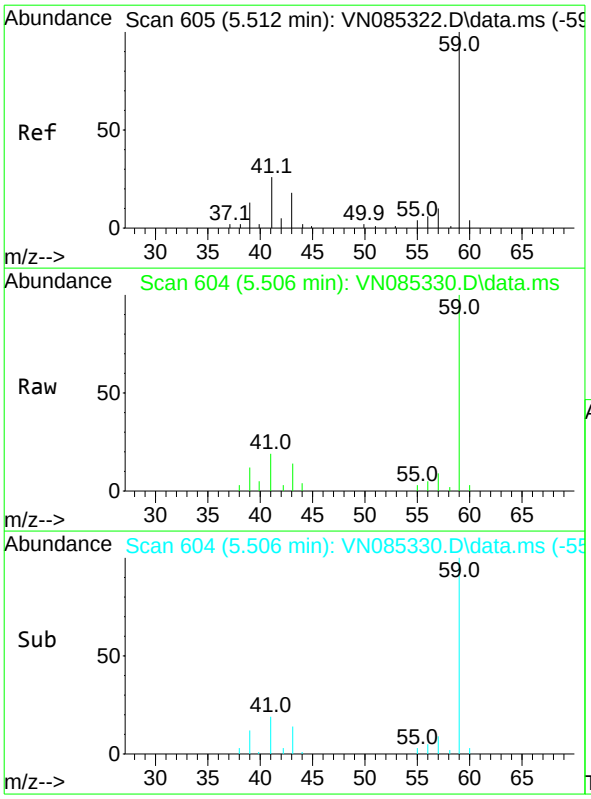


#10
Methyl Iodide
Concen: 17.229 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:142 Resp: 40932

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.3	52.9
141	15.2	11.5	17.3

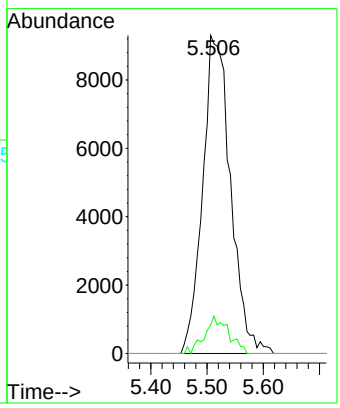




#11
Tert butyl alcohol
Concen: 104.934 ug/l
RT: 5.506 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 59 Resp: 31998

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1



Instrument :
MSVOA_N
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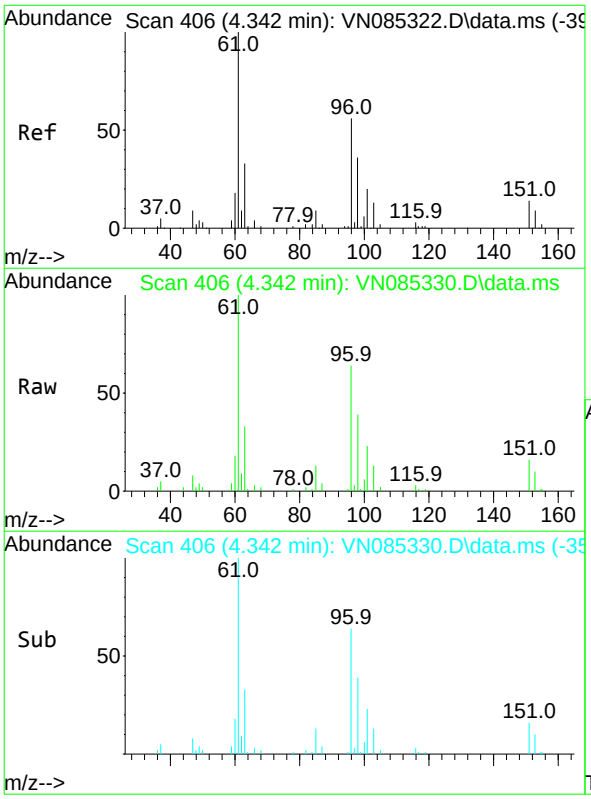
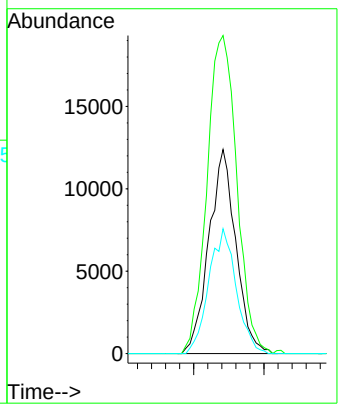
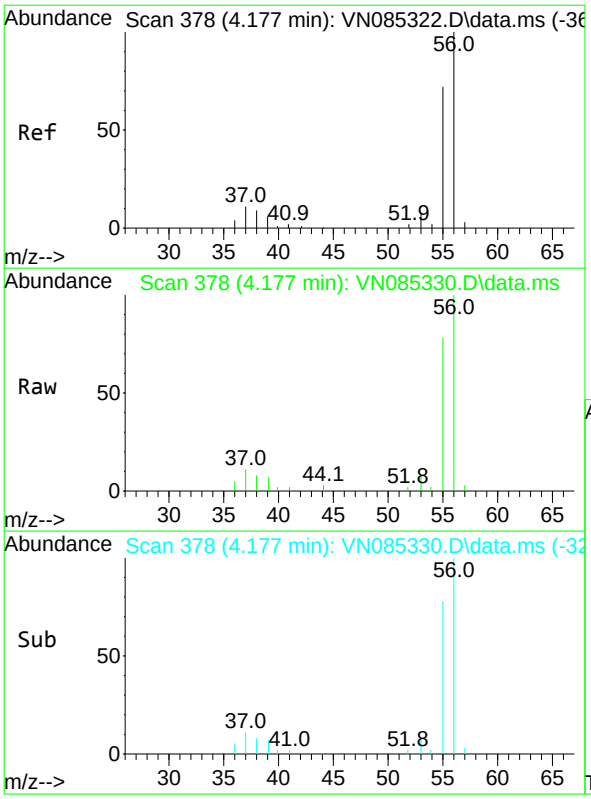


#12
1,1-Dichloroethene
Concen: 17.414 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 96 Resp: 33040

Ion	Ratio	Lower	Upper
96	100		
61	155.9	142.4	213.6
98	61.2	51.5	77.3

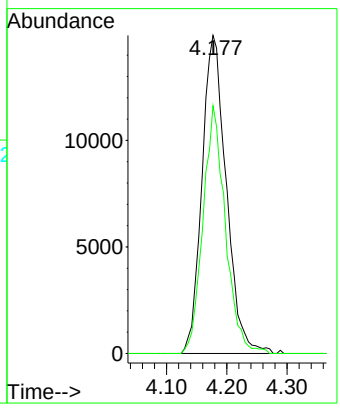




#13
Acrolein
Concen: 87.943 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 56 Resp: 41809

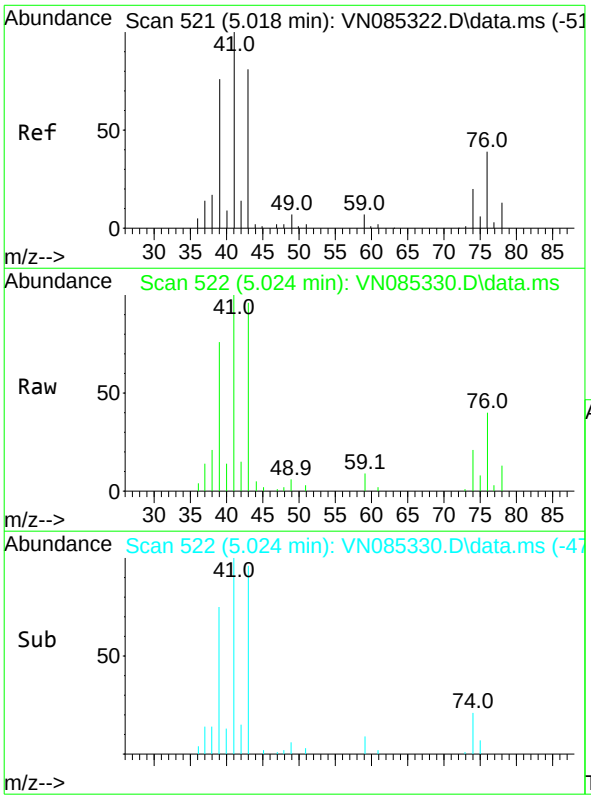
Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations
APPROVED

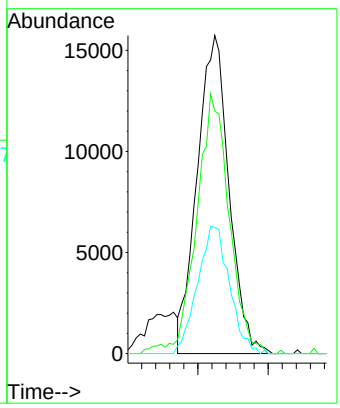
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

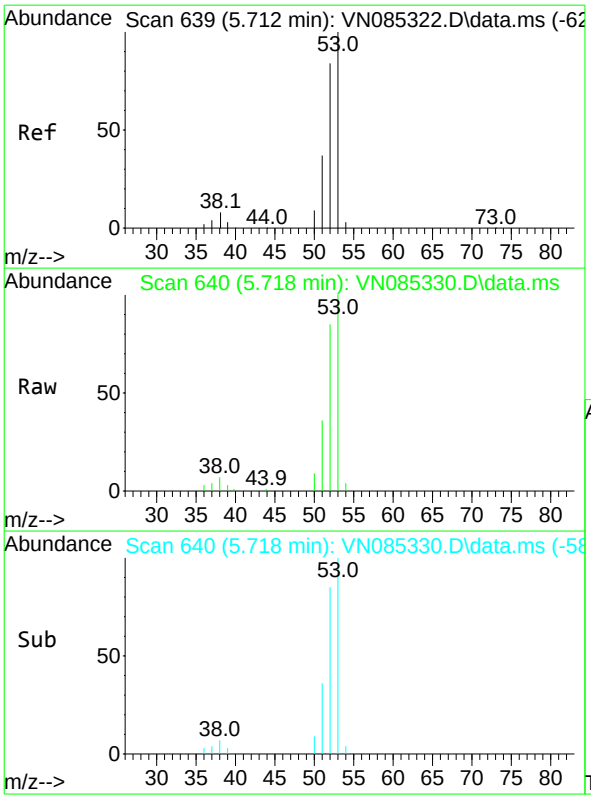


#14
Allyl chloride
Concen: 16.315 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 41 Resp: 49542

Ion	Ratio	Lower	Upper
41	100		
39	82.1	64.4	96.6
76	40.1	31.5	47.3

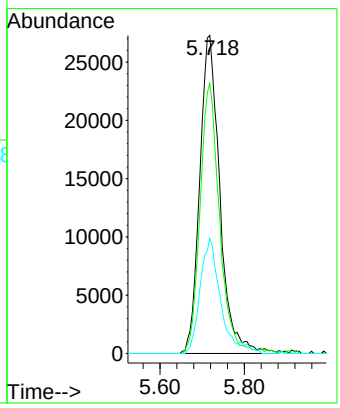




#15
Acrylonitrile
Concen: 94.155 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 53 Resp: 90364

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.6	100.0
51	34.8	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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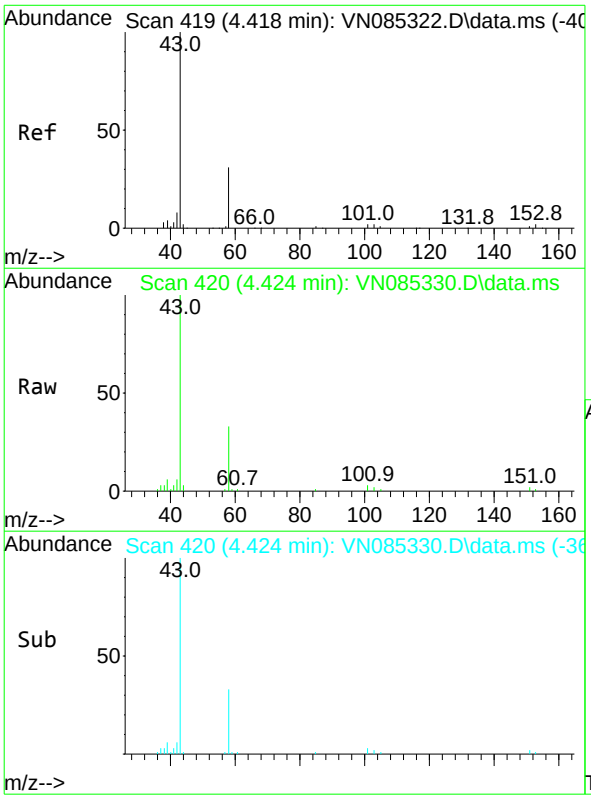
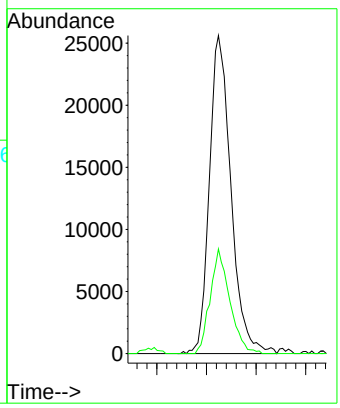
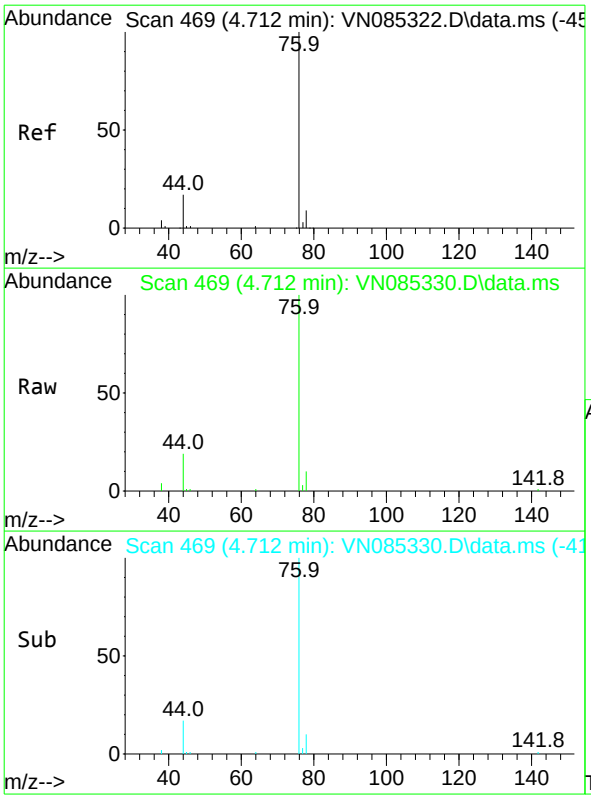


#16
Acetone
Concen: 96.477 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 77254

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.5	36.7

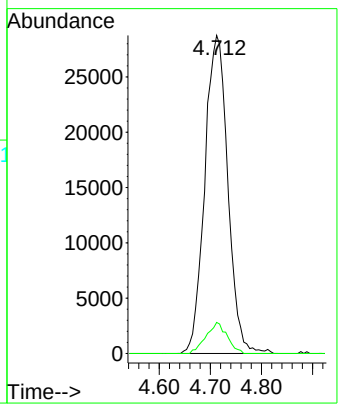




#17
Carbon Disulfide
Concen: 15.605 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 76 Resp: 90070

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.2	10.8



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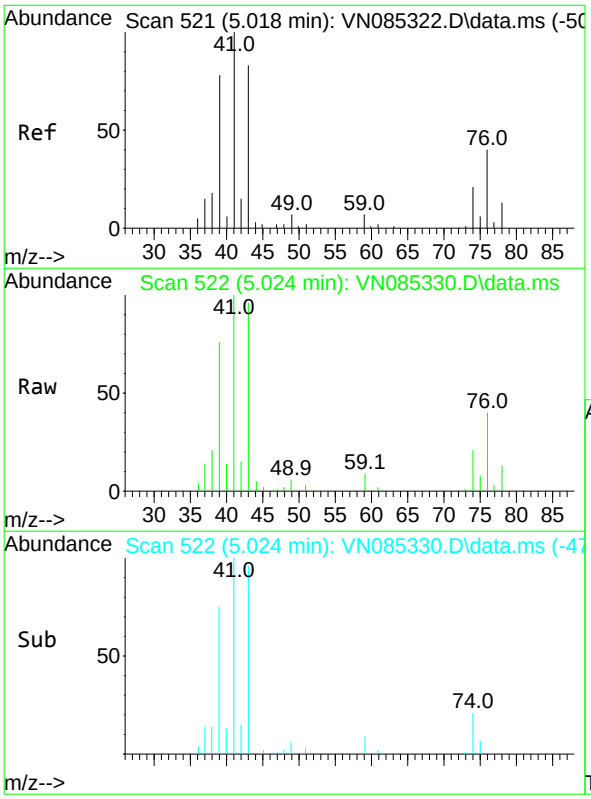
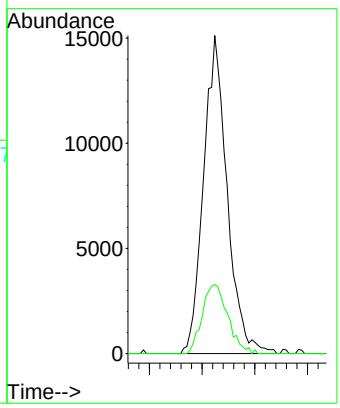
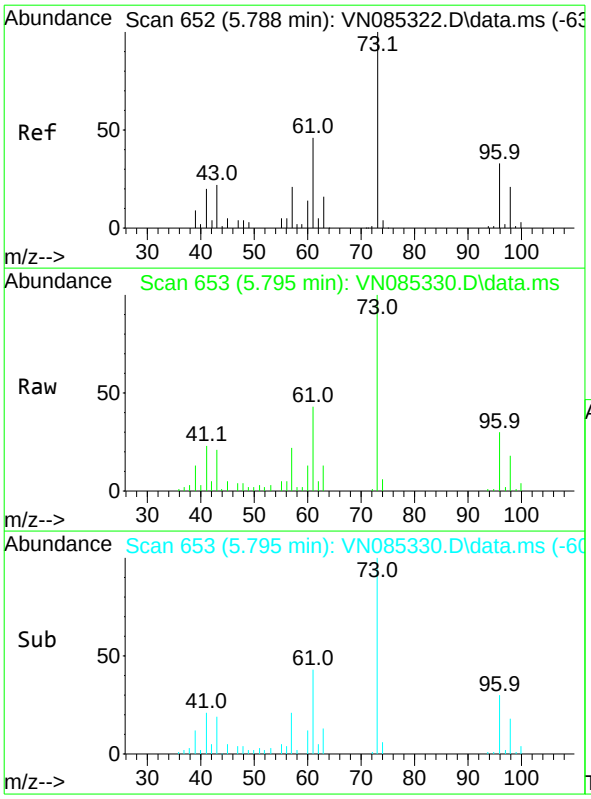


#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 47009

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6

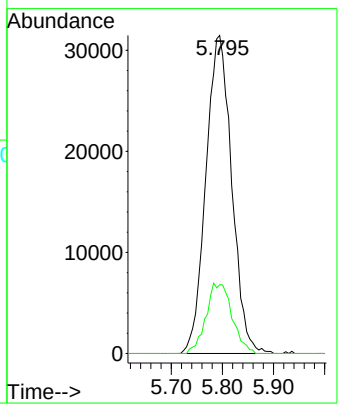




#19
Methyl tert-butyl Ether
Concen: 17.924 ug/l
RT: 5.795 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 73 Resp: 110534

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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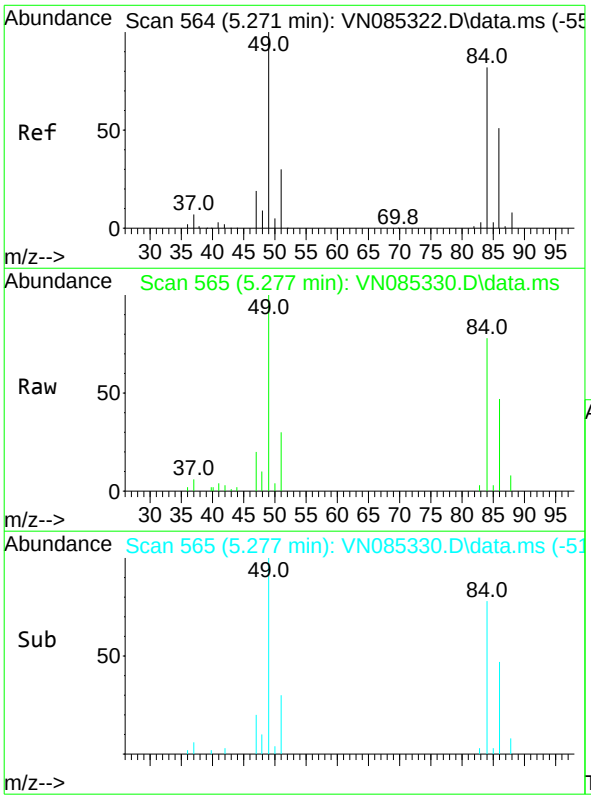
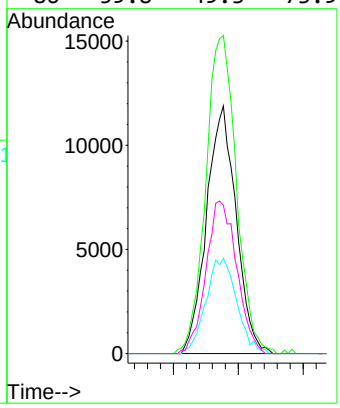
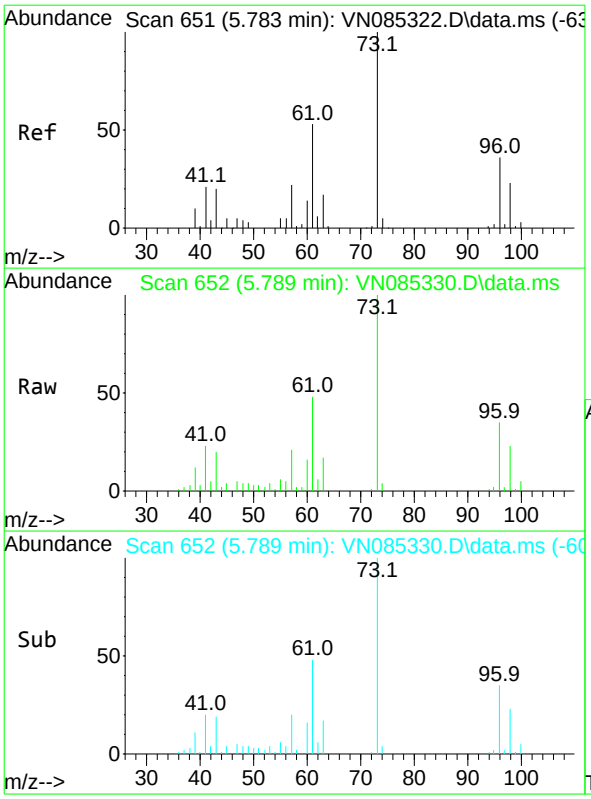


#20
Methylene Chloride
Concen: 17.488 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 84 Resp: 37667

Ion	Ratio	Lower	Upper
84	100		
49	128.4	97.6	146.4
51	38.5	29.1	43.7
86	59.8	49.3	73.9

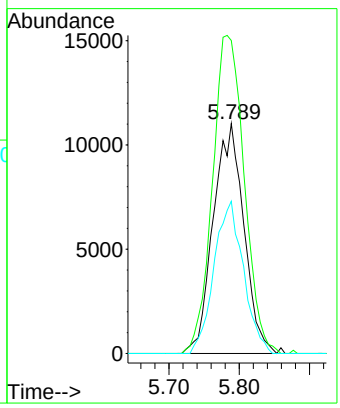




#21
trans-1,2-Dichloroethene
Concen: 16.815 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 96 Resp: 33327

Ion	Ratio	Lower	Upper
96	100		
61	136.1	118.0	177.0
98	66.2	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
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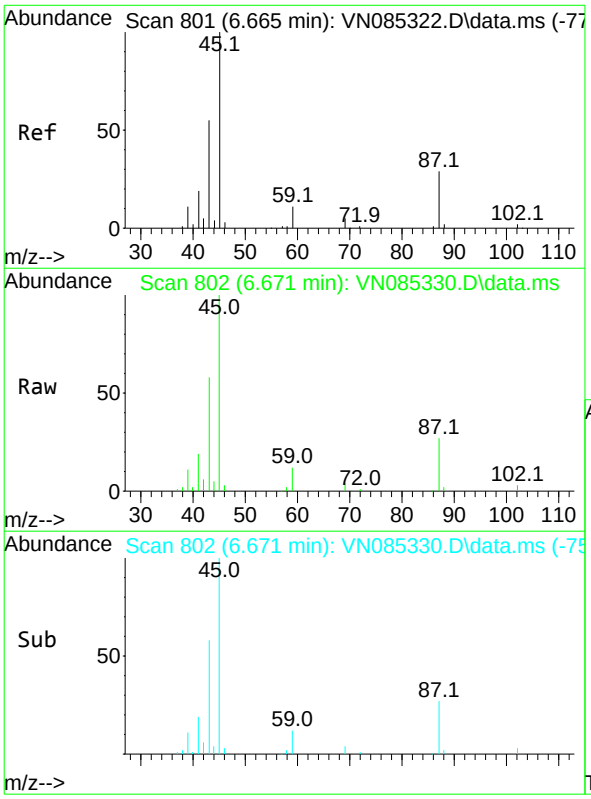
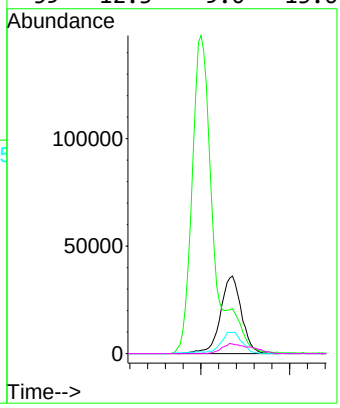
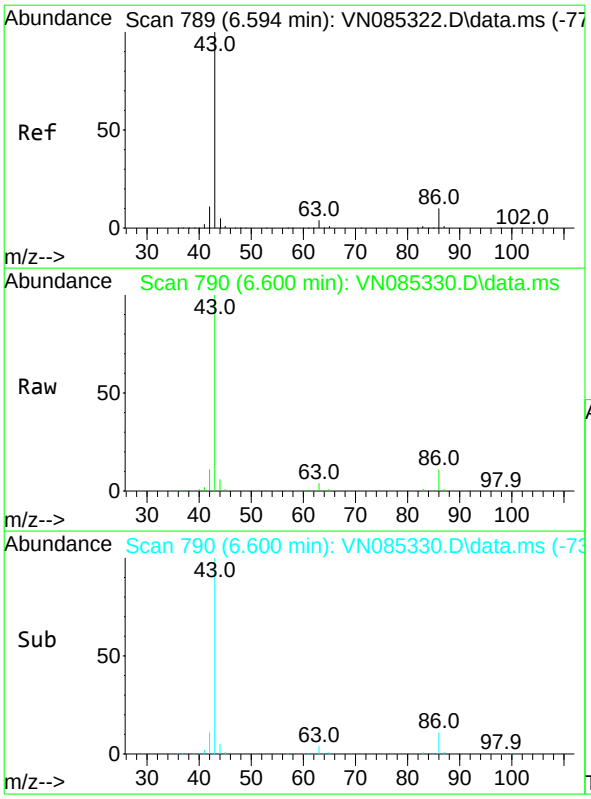


#22
Diisopropyl ether
Concen: 18.035 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 45 Resp: 118015

Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.1	66.1
87	27.4	23.2	34.8
59	12.3	9.0	13.6

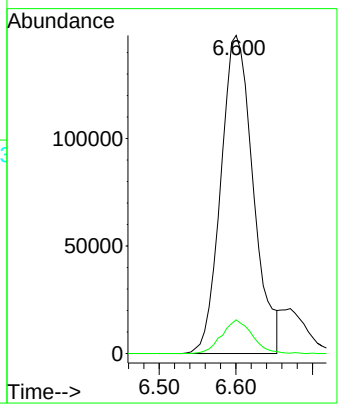




#23
Vinyl Acetate
Concen: 91.855 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 434816

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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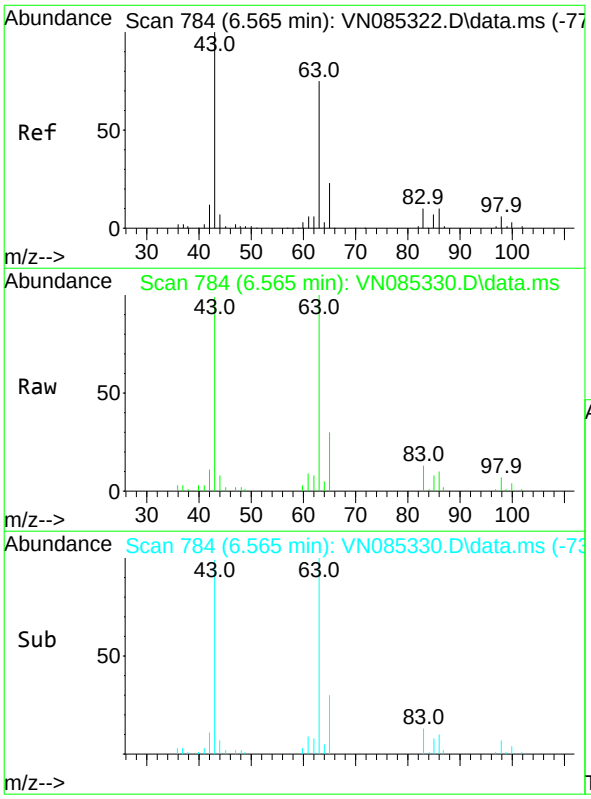
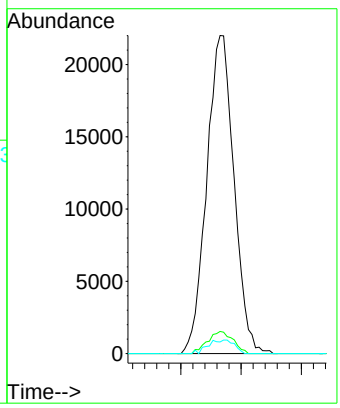
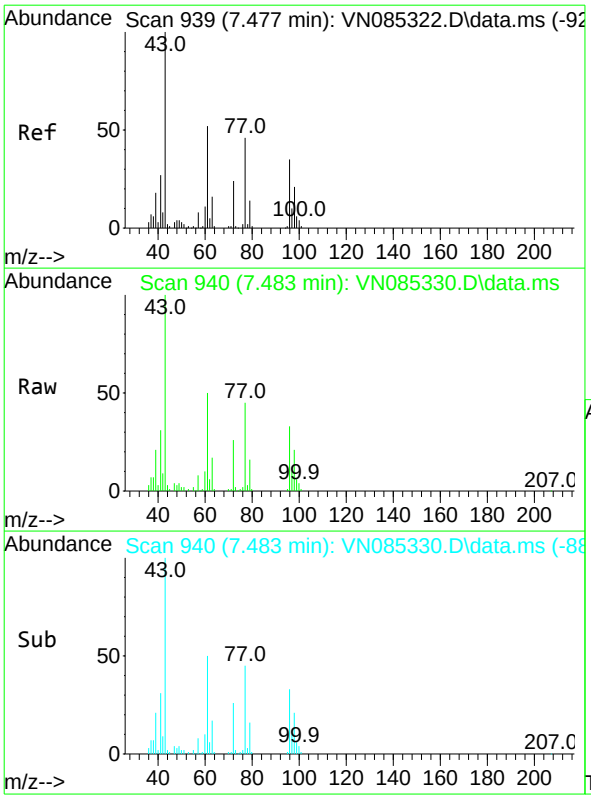


#24
1,1-Dichloroethane
Concen: 17.566 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 63 Resp: 69242

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	3.7	2.3	6.8

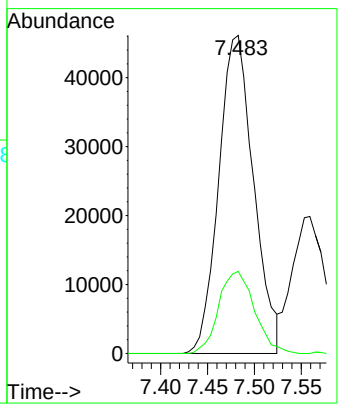




#25
2-Butanone
Concen: 96.241 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 119558

Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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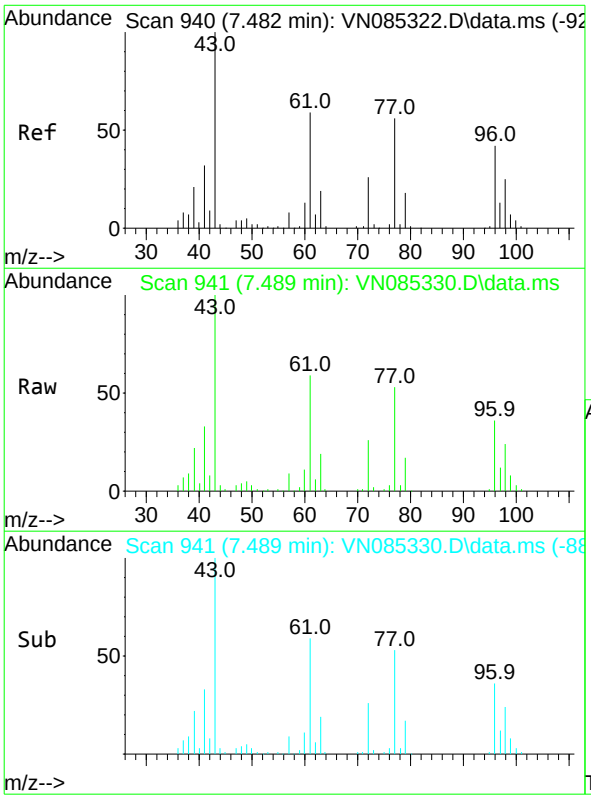
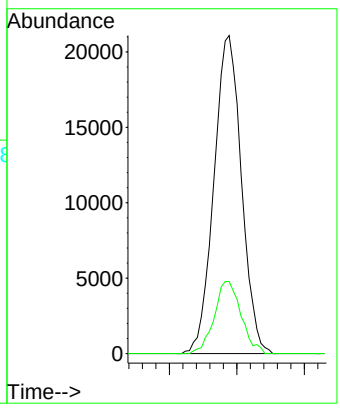
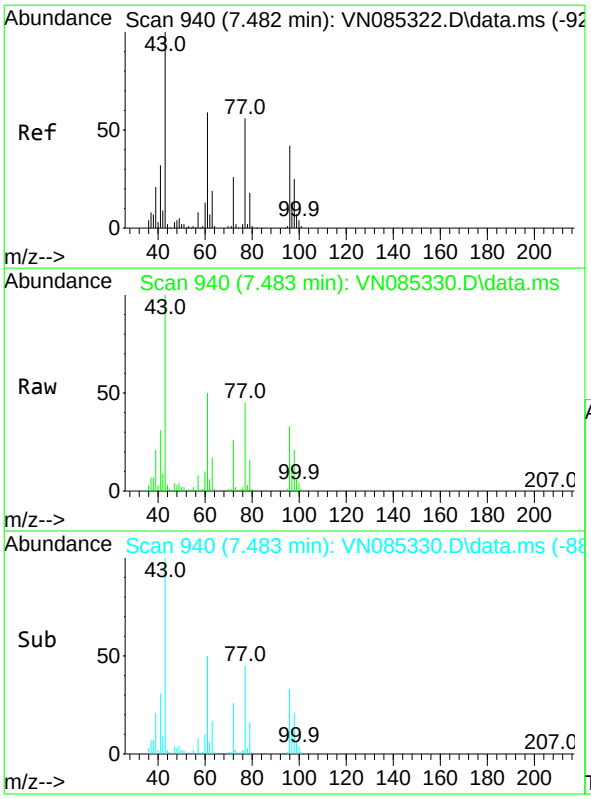


#26
2,2-Dichloropropane
Concen: 17.294 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 77 Resp: 59724

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.6	31.8

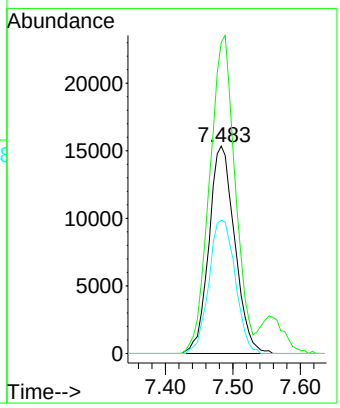




#27
cis-1,2-Dichloroethene
Concen: 17.533 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 96 Resp: 40786

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	296.4
98	65.7	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
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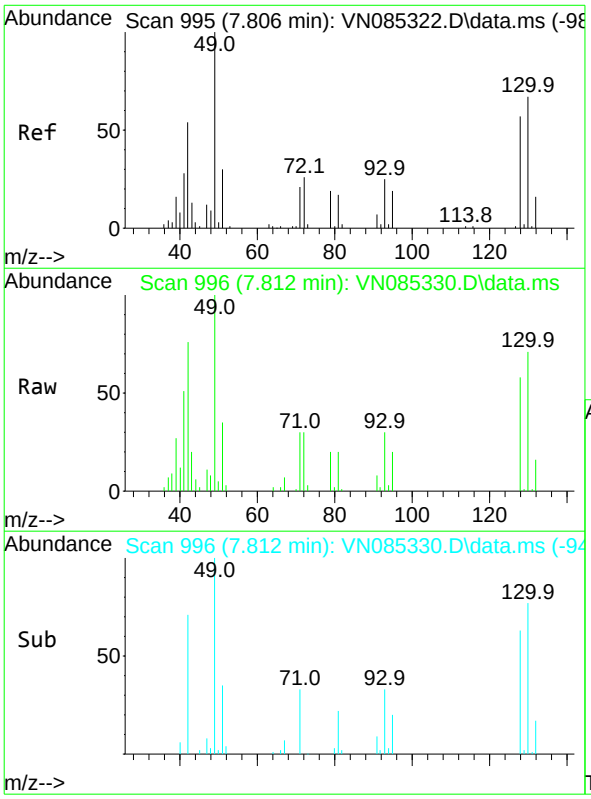
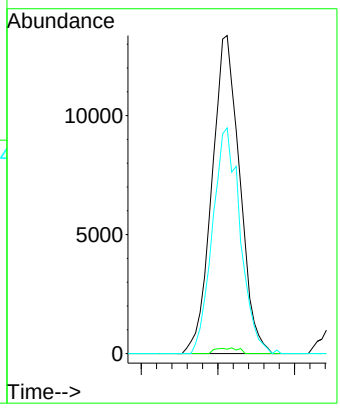
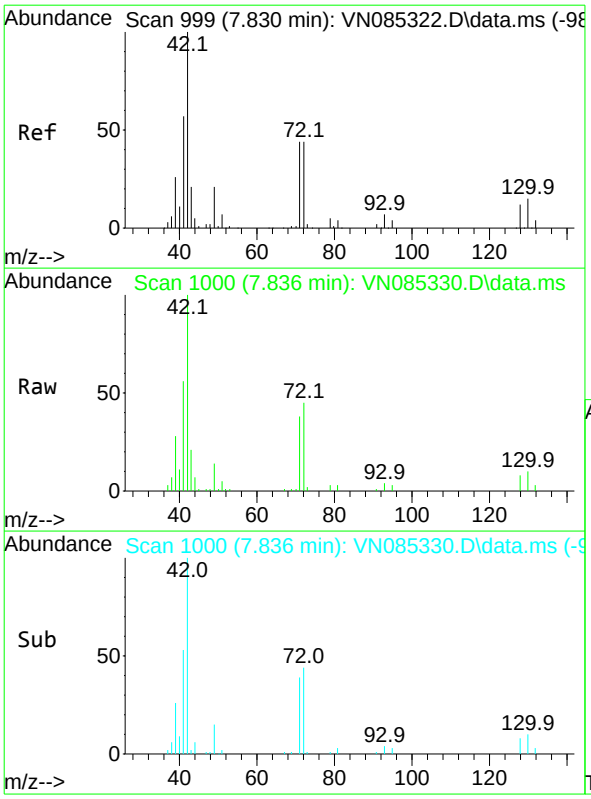


#28
Bromochloromethane
Concen: 18.335 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 49 Resp: 33586

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.0
130	70.9	0.0	0.0#

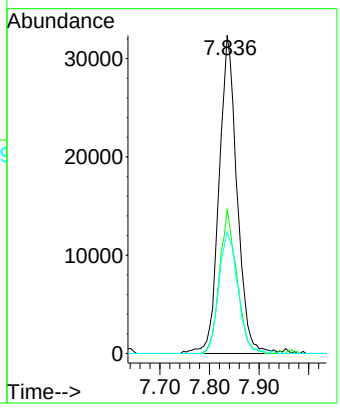




#29
Tetrahydrofuran
Concen: 101.699 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 42 Resp: 81381

Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.1	52.7
71	40.3	33.4	50.0



Instrument :
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ClientSampleId :
VN1227WBS01

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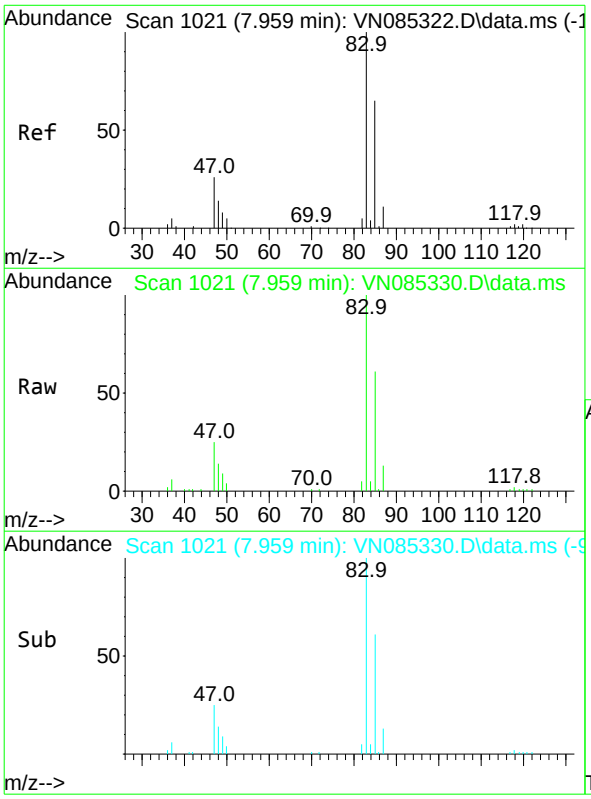
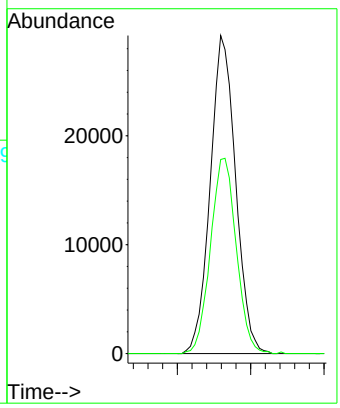
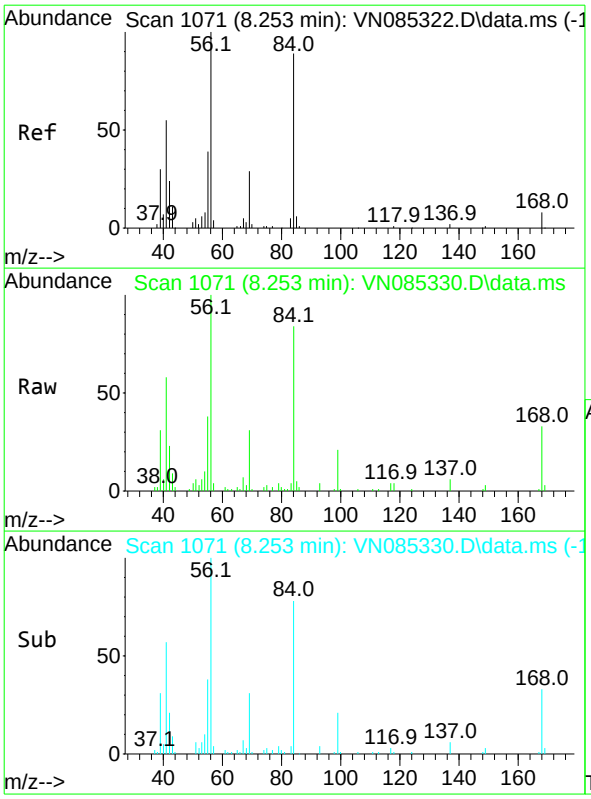


#30
Chloroform
Concen: 17.446 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 83 Resp: 70354

Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.0	78.0

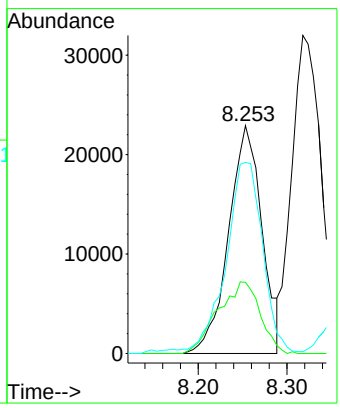




#31
Cyclohexane
Concen: 16.621 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 56 Resp: 59824

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.0
84	82.3	71.0	106.6



Instrument :
MSVOA_N
ClientSampleId :
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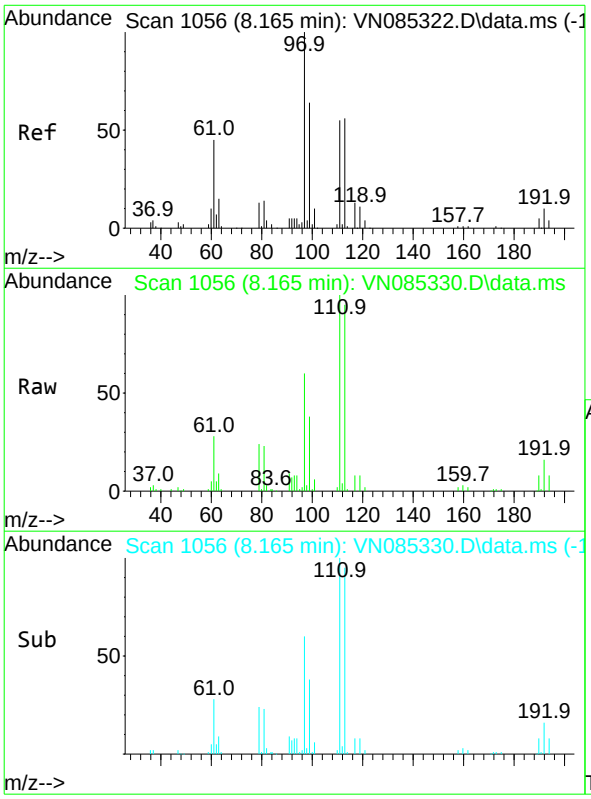
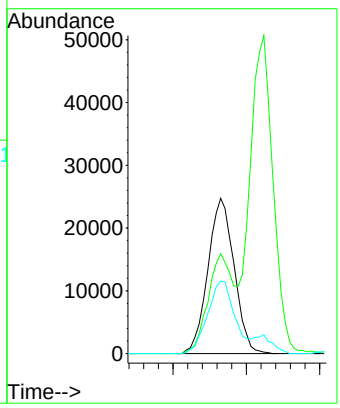
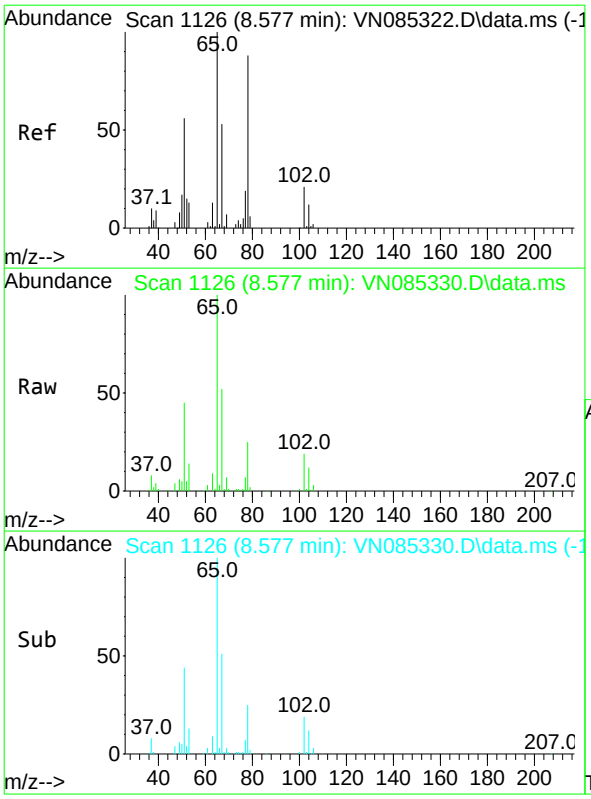


#32
1,1,1-Trichloroethane
Concen: 17.033 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 97 Resp: 61343

Ion	Ratio	Lower	Upper
97	100		
99	64.0	53.3	79.9
61	48.9	39.6	59.4

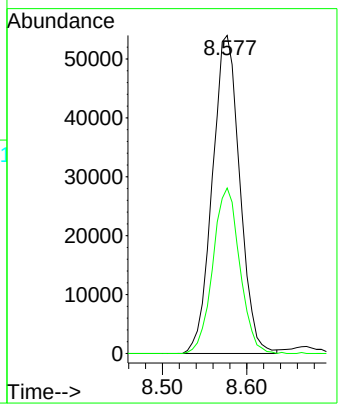




#33
1,2-Dichloroethane-d4
Concen: 50.057 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 65 Resp: 121898

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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Reviewed By :John Carlone 12/30/2024
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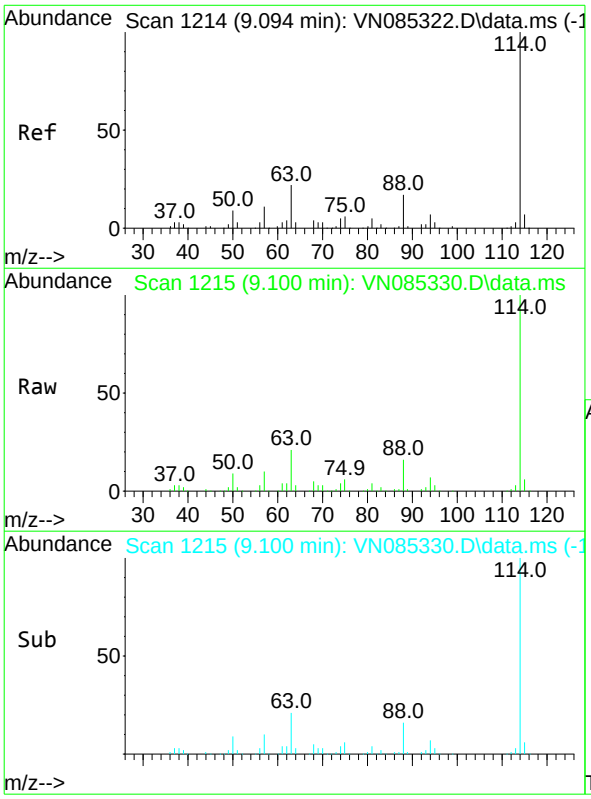
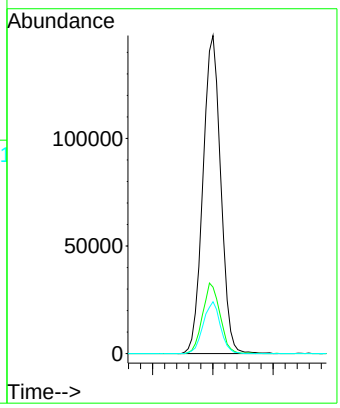
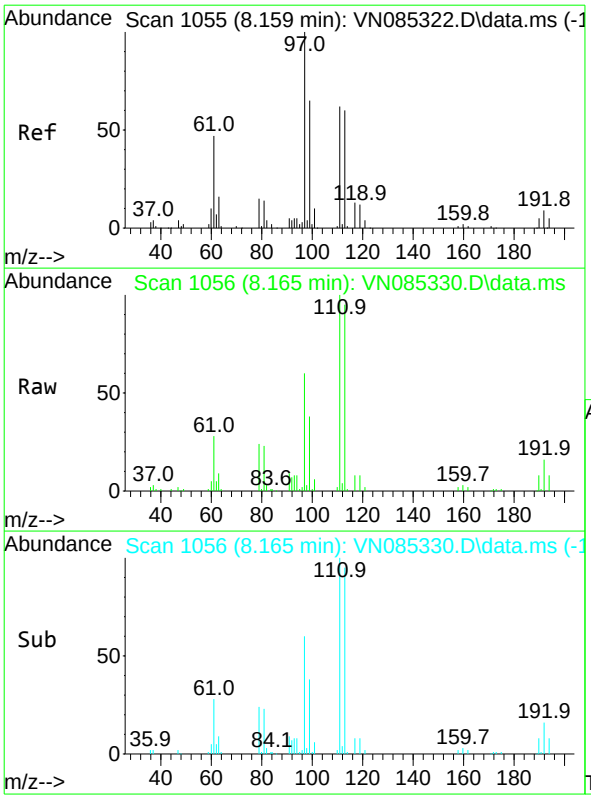


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:114 Resp: 303482

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.4
88	16.3	0.0	33.6

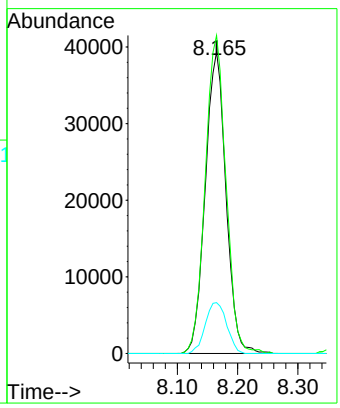




#35
Dibromofluoromethane
Concen: 49.656 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:113 Resp: 94013

Ion	Ratio	Lower	Upper
113	100		
111	105.6	80.5	120.7
192	17.4	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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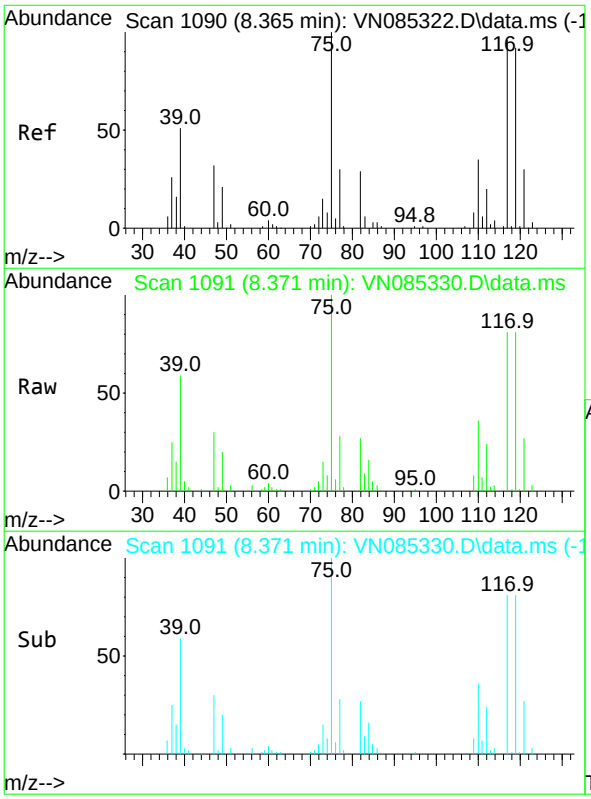
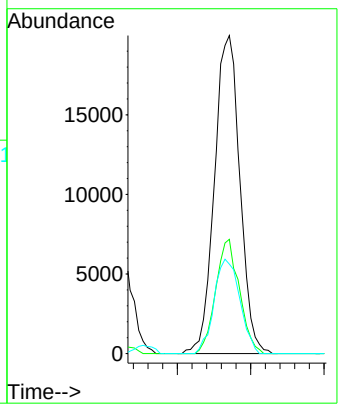
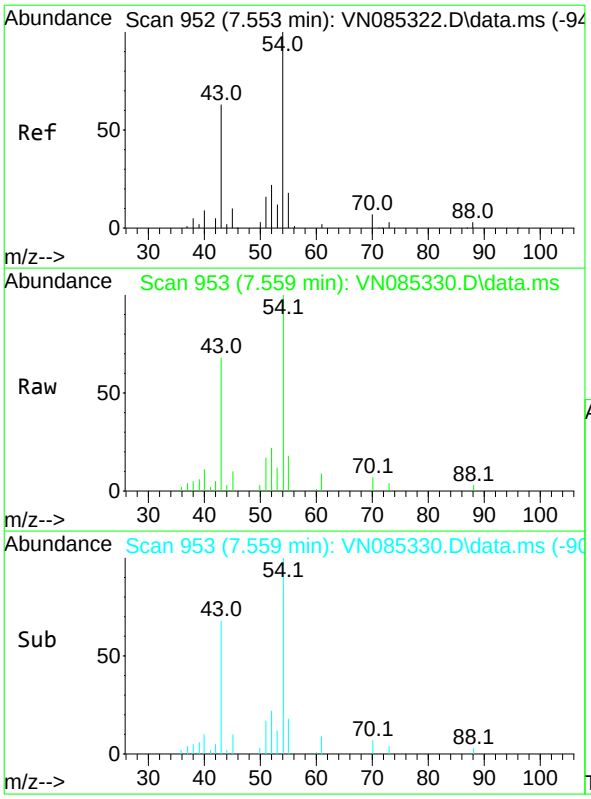


#36
1,1-Dichloropropene
Concen: 17.343 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 48077

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	30.0	24.3	36.5

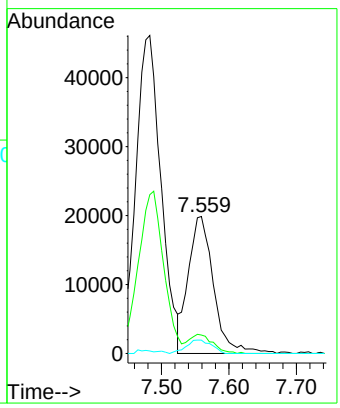




#37
Ethyl Acetate
Concen: 18.768 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 51711

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.4	15.6
70	9.8	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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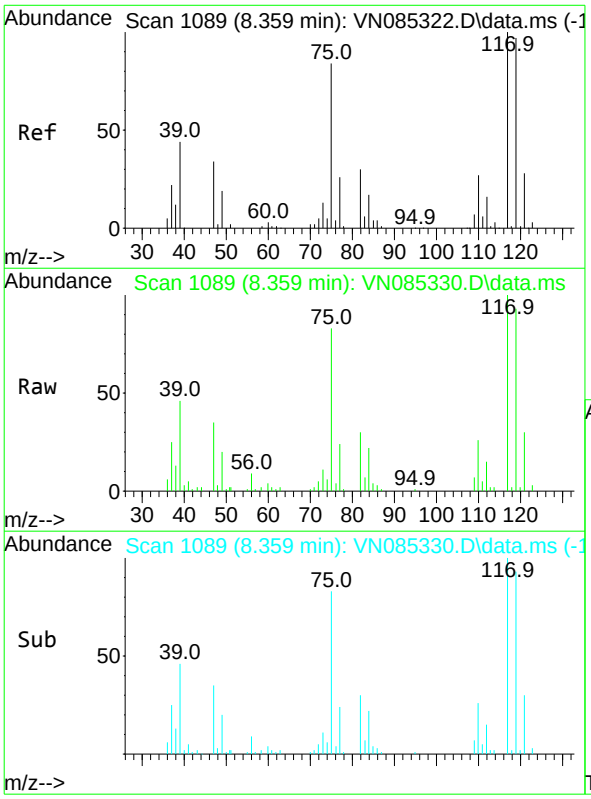
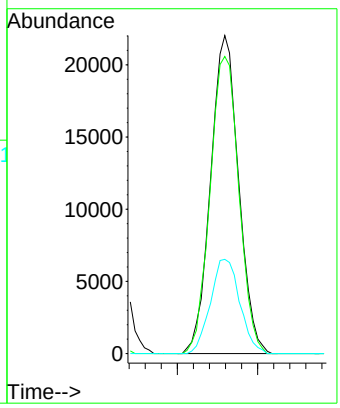
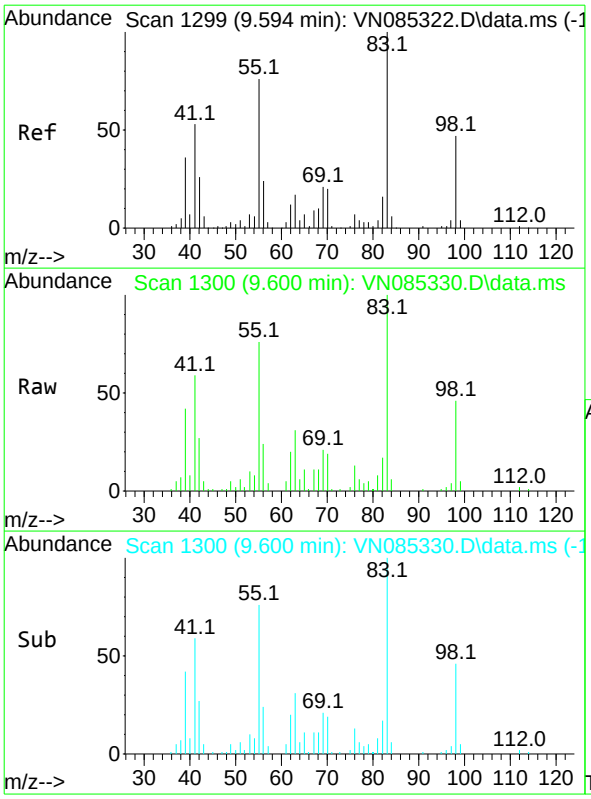


#38
Carbon Tetrachloride
Concen: 17.641 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:117 Resp: 53303

Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.6
121	29.6	22.5	33.7

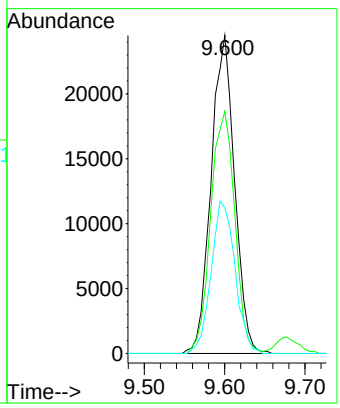




#39
Methylcyclohexane
Concen: 17.312 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 83 Resp: 49793

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.7	91.1
98	45.7	37.7	56.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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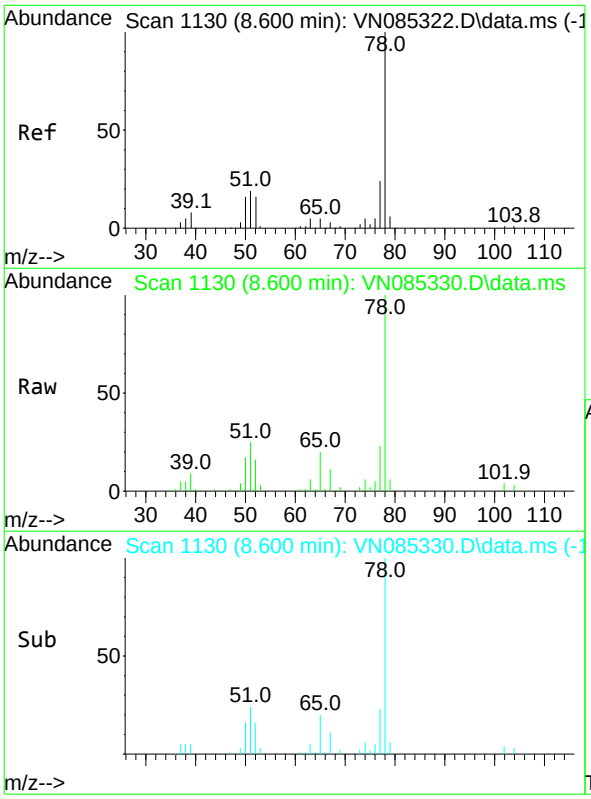
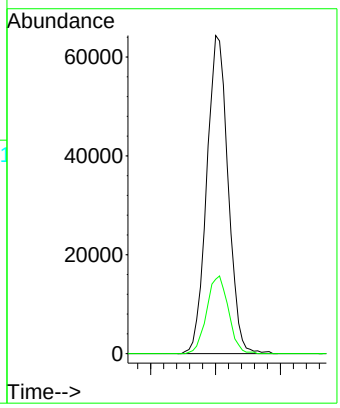
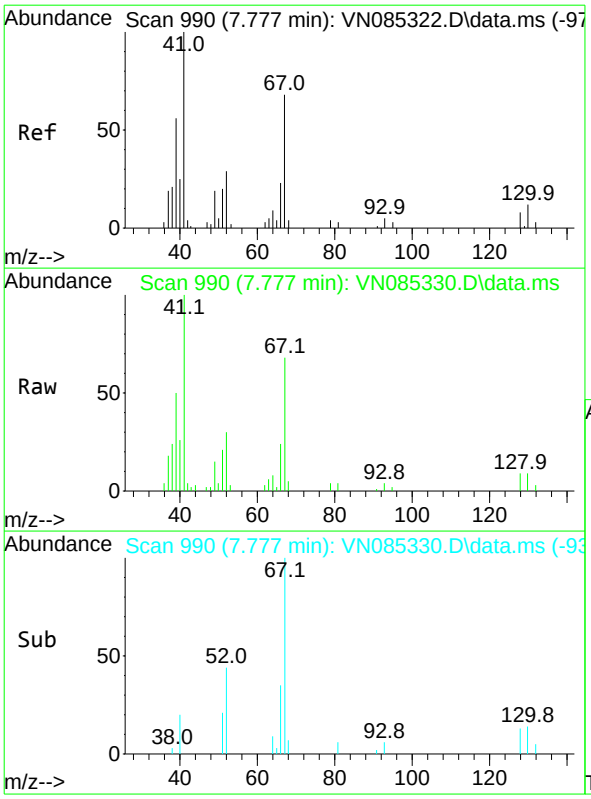


#40
Benzene
Concen: 17.534 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 78 Resp: 146952

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

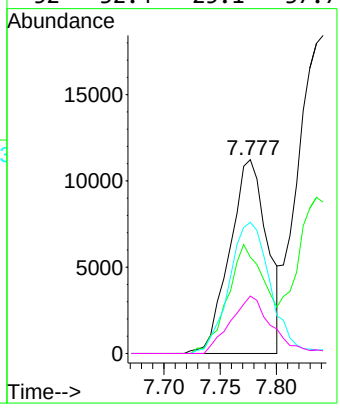




#41
Methacrylonitrile
Concen: 18.484 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 41 Resp: 26082

Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.8
67	74.2	57.1	85.7
52	32.4	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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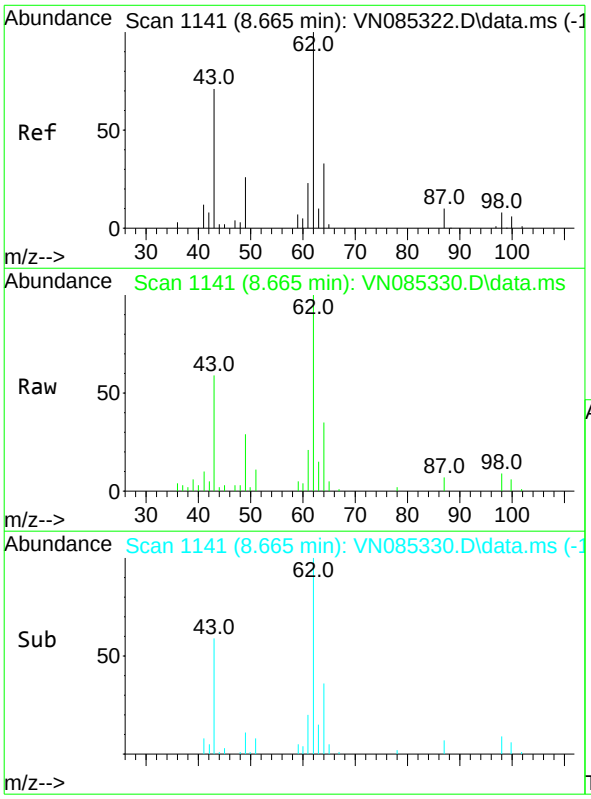
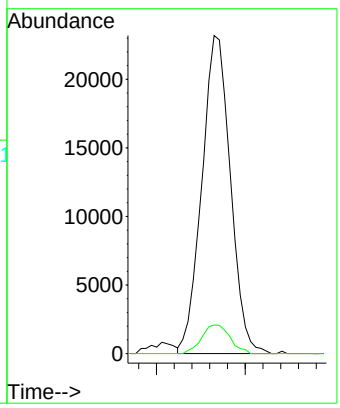
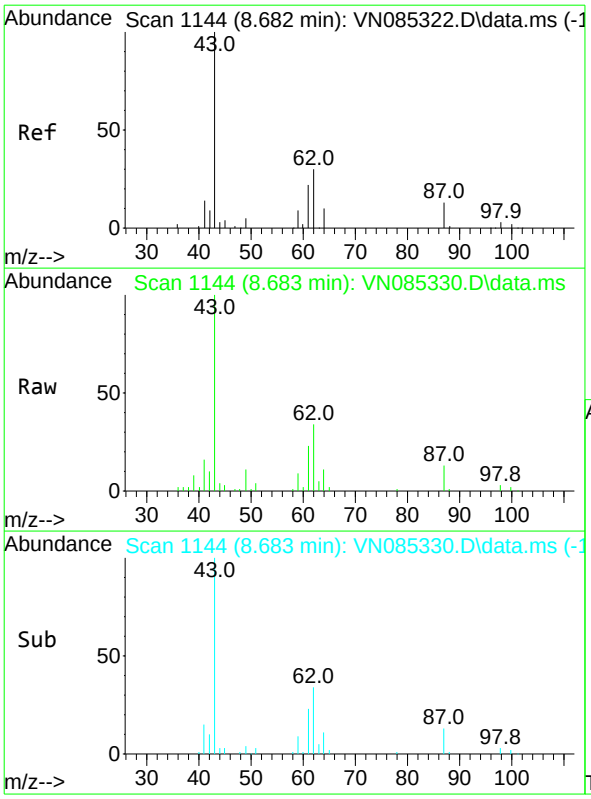


#42
1,2-Dichloroethane
Concen: 17.267 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 62 Resp: 51885

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6

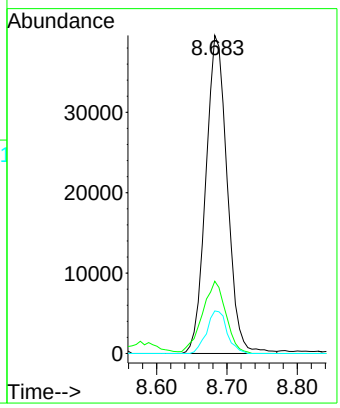




#43
Isopropyl Acetate
Concen: 18.499 ug/l
RT: 8.683 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 83925

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.8	31.2
87	12.7	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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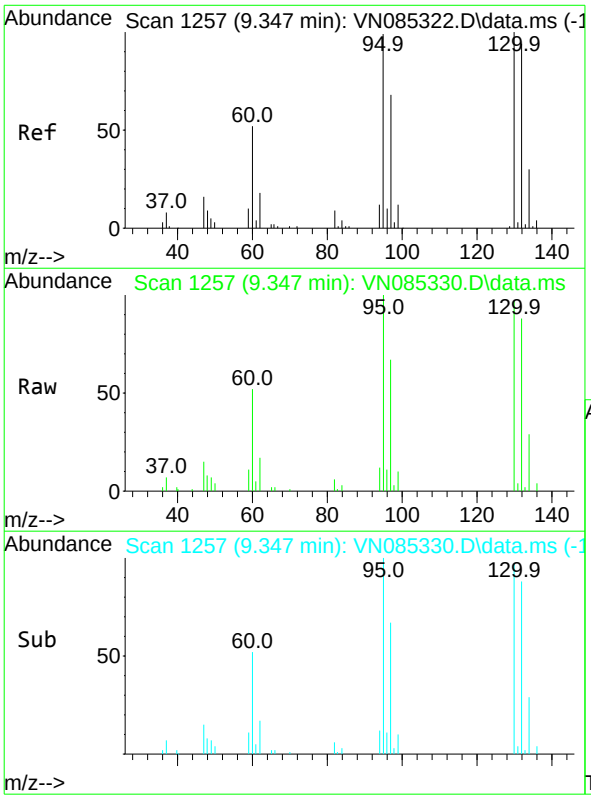
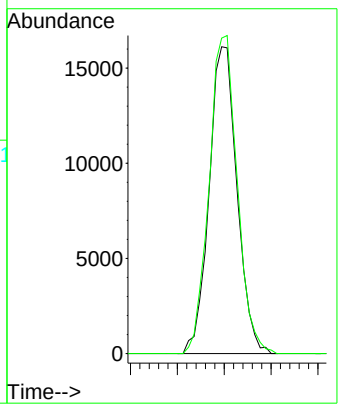
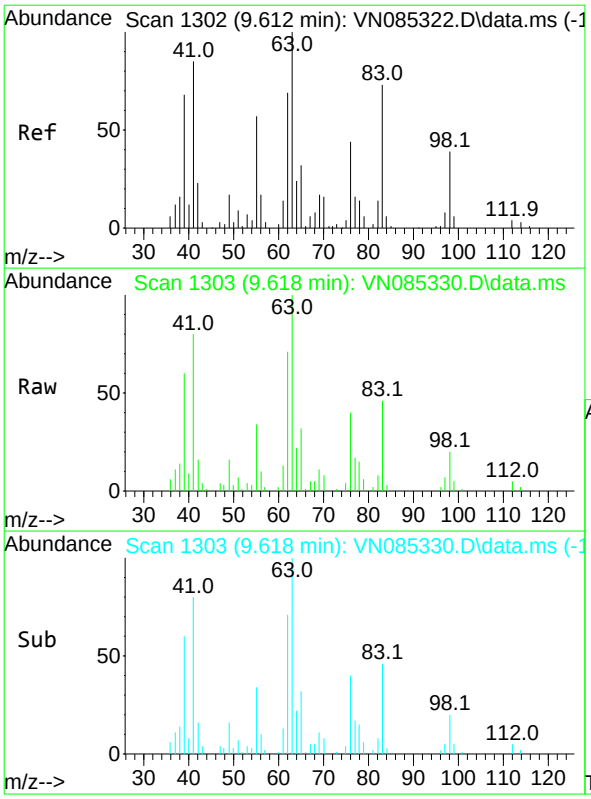


#44
Trichloroethene
Concen: 16.790 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:130 Resp: 33316

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	197.8

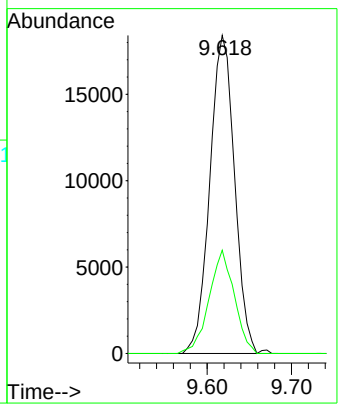




#45
1,2-Dichloropropane
Concen: 17.646 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 63 Resp: 37543

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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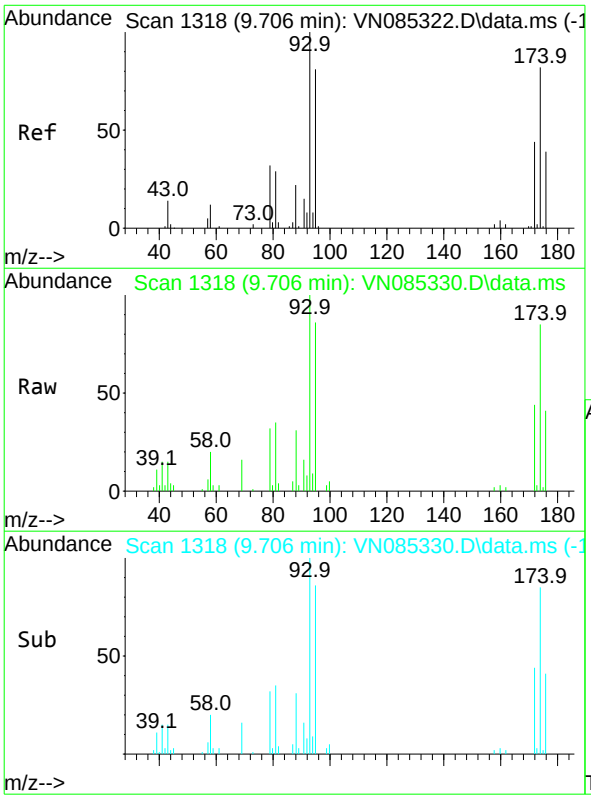
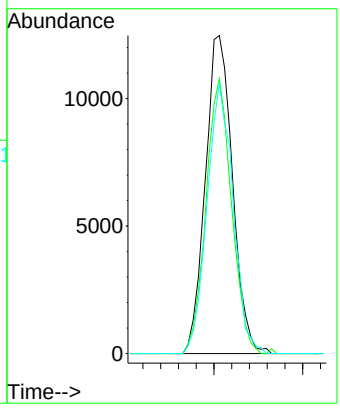
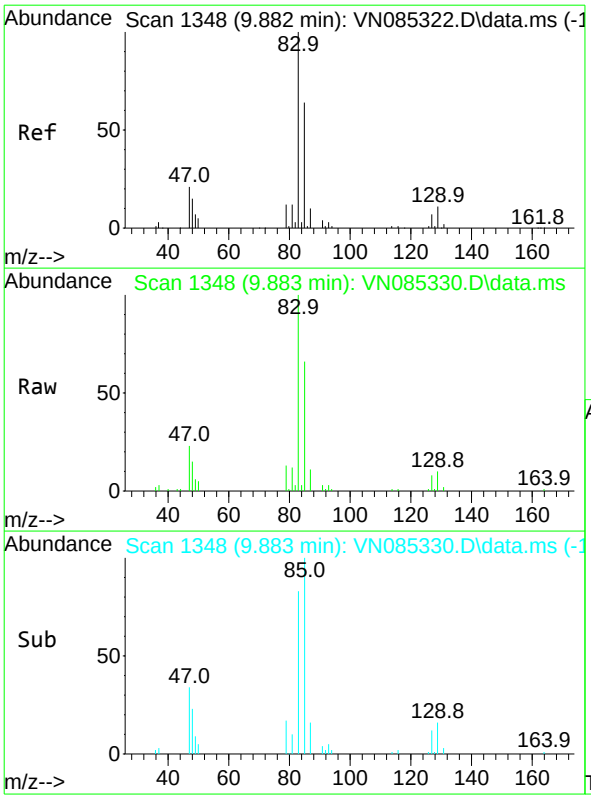


#46
Dibromomethane
Concen: 17.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 93 Resp: 26479

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.3	97.9
174	81.4	66.4	99.6

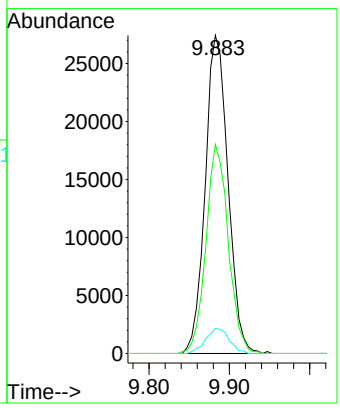




#47
Bromodichloromethane
Concen: 17.565 ug/l
RT: 9.883 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 83 Resp: 54021

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.4
127	7.9	5.8	8.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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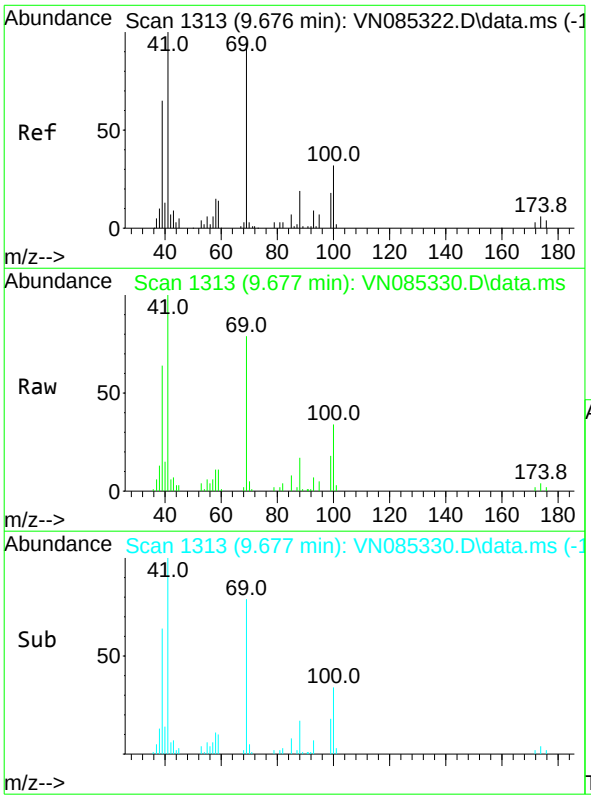
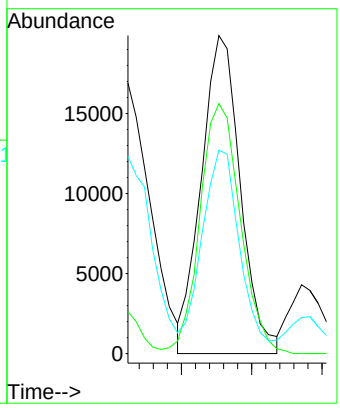
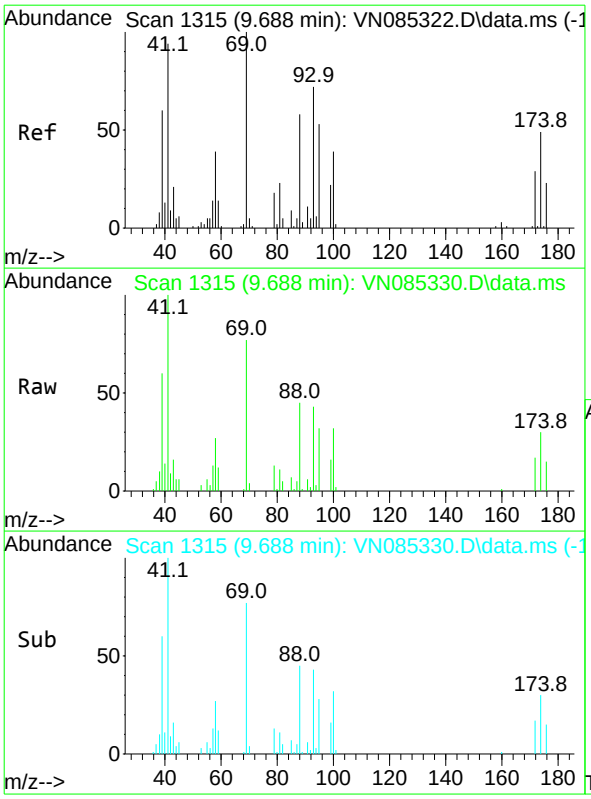


#48
Methyl methacrylate
Concen: 19.497 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 41 Resp: 38382

Ion	Ratio	Lower	Upper
41	100		
69	81.1	67.7	101.5
39	62.2	51.2	76.8

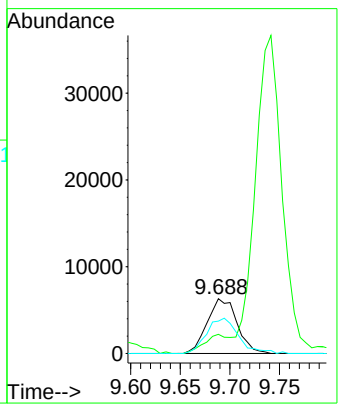




#49
1,4-Dioxane
Concen: 446.267 ug/l
RT: 9.688 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 88 Resp: 13255

Ion	Ratio	Lower	Upper
88	100		
43	29.2	22.1	33.1
58	68.8	56.7	85.1



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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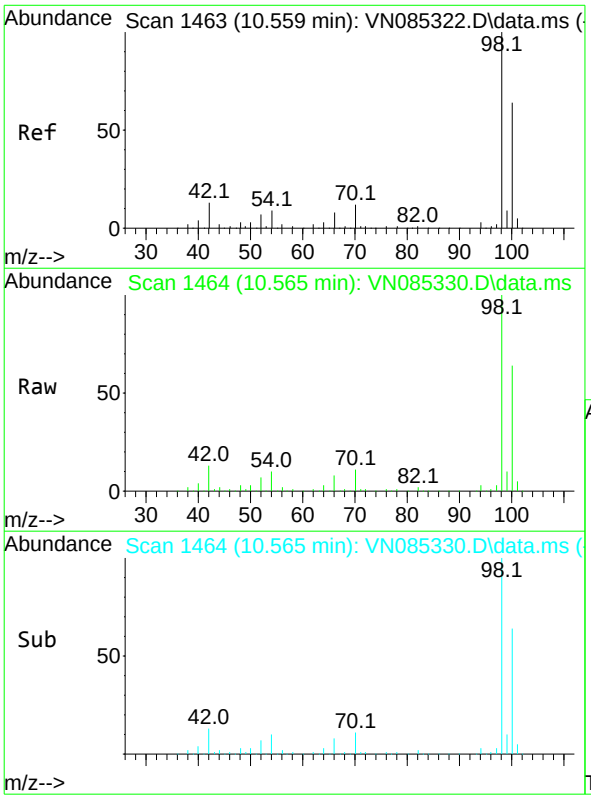
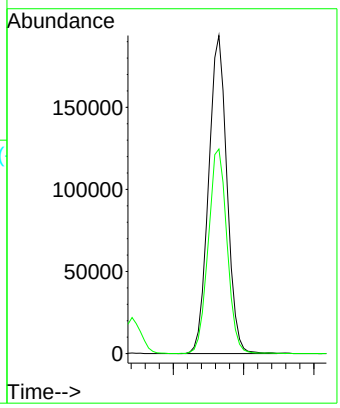
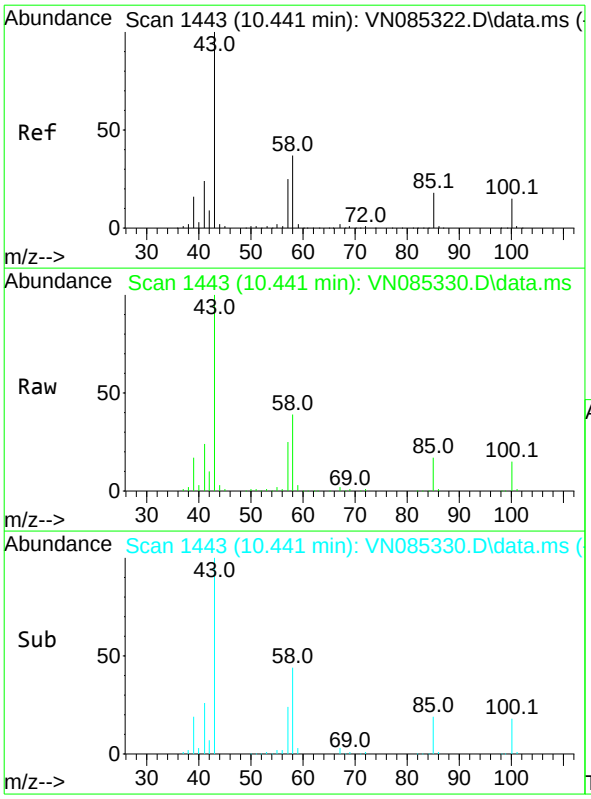


#50
Toluene-d8
Concen: 50.625 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 98 Resp: 351721

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3

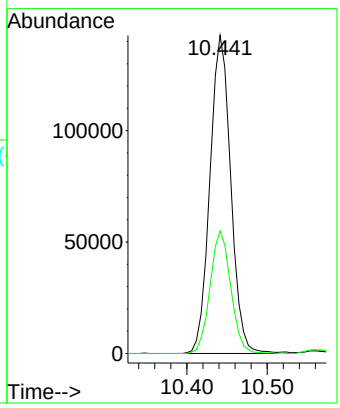




#51
4-Methyl-2-Pentanone
Concen: 100.886 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 257213

Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.3	45.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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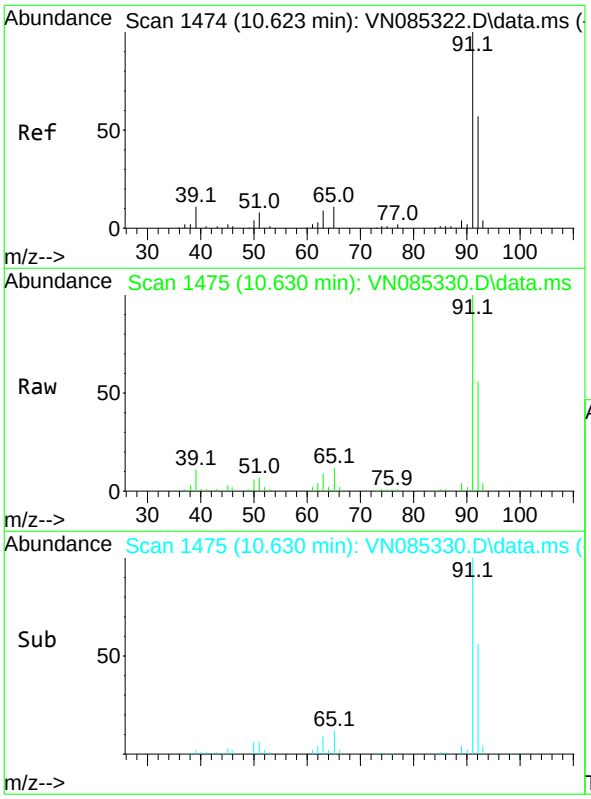
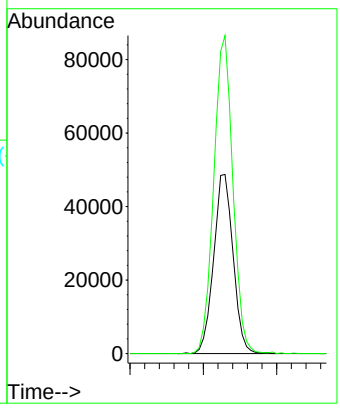
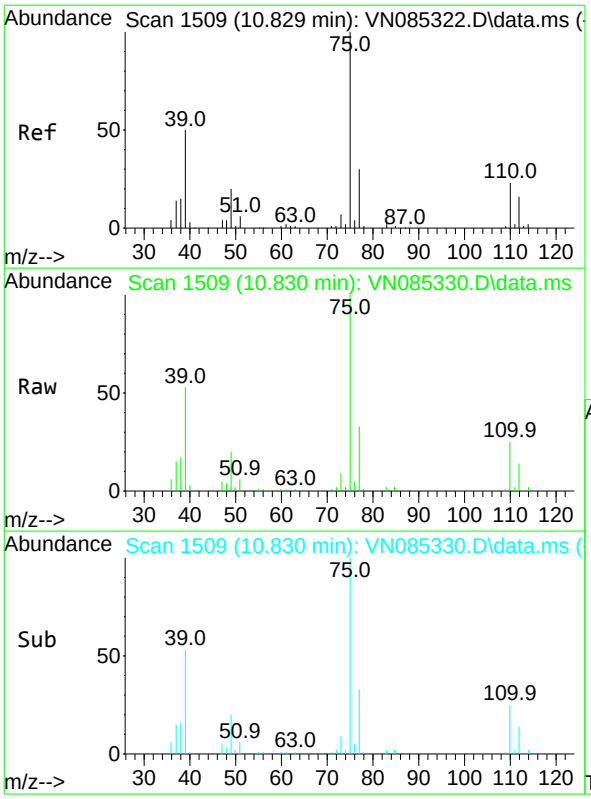


#52
Toluene
Concen: 17.996 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 92 Resp: 89808

Ion	Ratio	Lower	Upper
92	100		
91	174.5	140.2	210.4

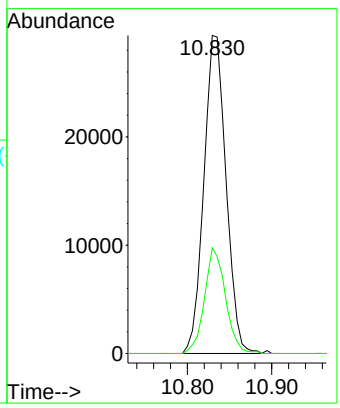




#53
t-1,3-Dichloropropene
Concen: 17.777 ug/l
RT: 10.830 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 53764

Ion	Ratio	Lower	Upper
75	100		
77	33.2	23.8	35.6



Instrument :
MSVOA_N
ClientSampleId :
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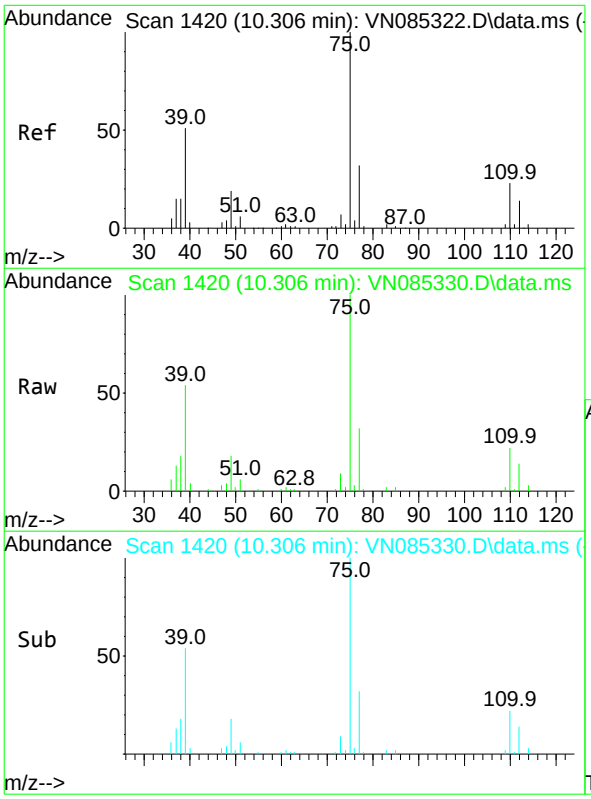
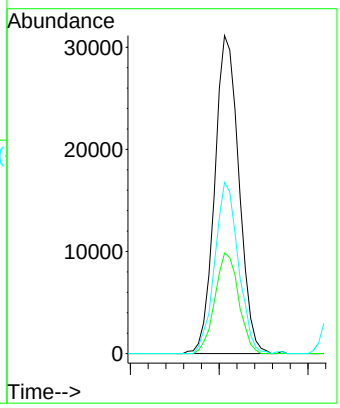
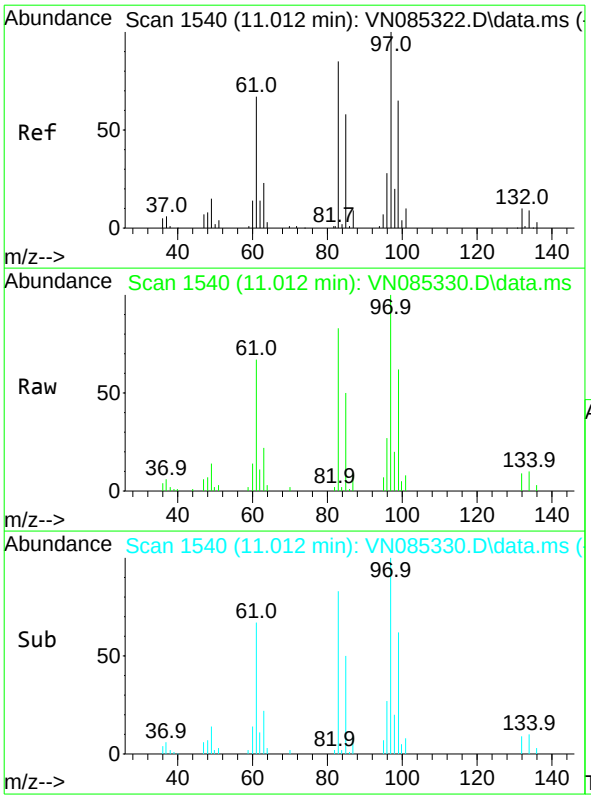


#54
cis-1,3-Dichloropropene
Concen: 18.049 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 59027

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	53.9	40.5	60.7

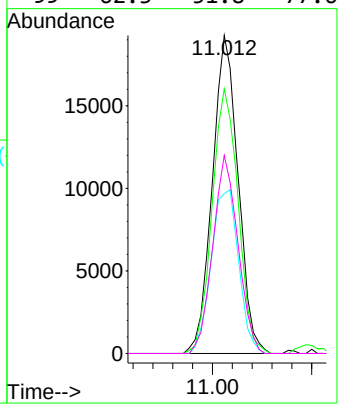




#55
1,1,2-Trichloroethane
Concen: 18.402 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 97 Resp: 34671

Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	50.3	46.2	69.4
99	62.3	51.8	77.6



Instrument :
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ClientSampleId :
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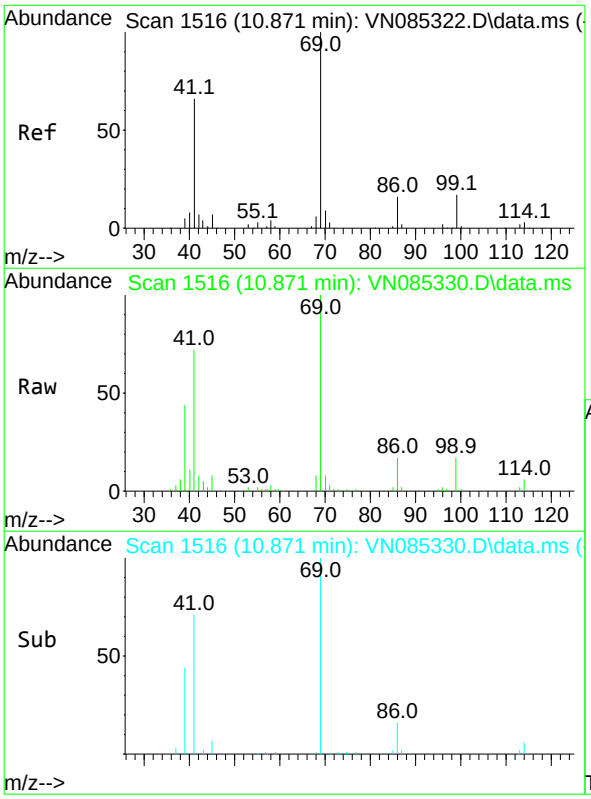
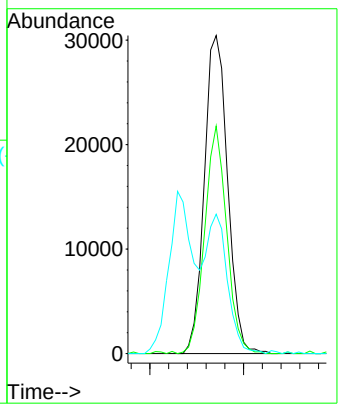
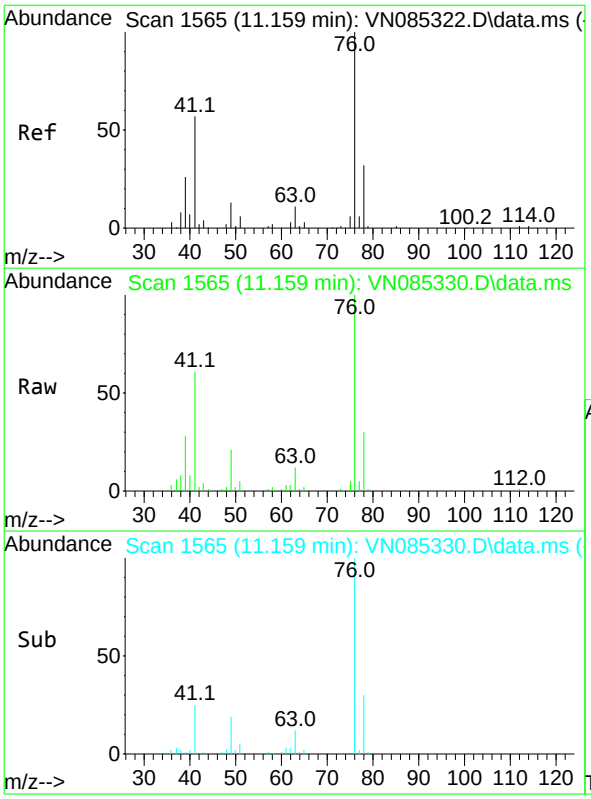


#56
Ethyl methacrylate
Concen: 19.165 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 69 Resp: 52590

Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.3	81.5
39	40.7	32.0	48.0

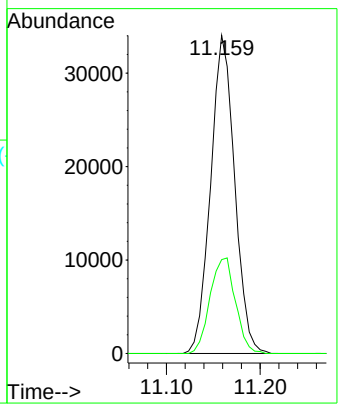




#57
1,3-Dichloropropane
Concen: 18.308 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 76 Resp: 60541

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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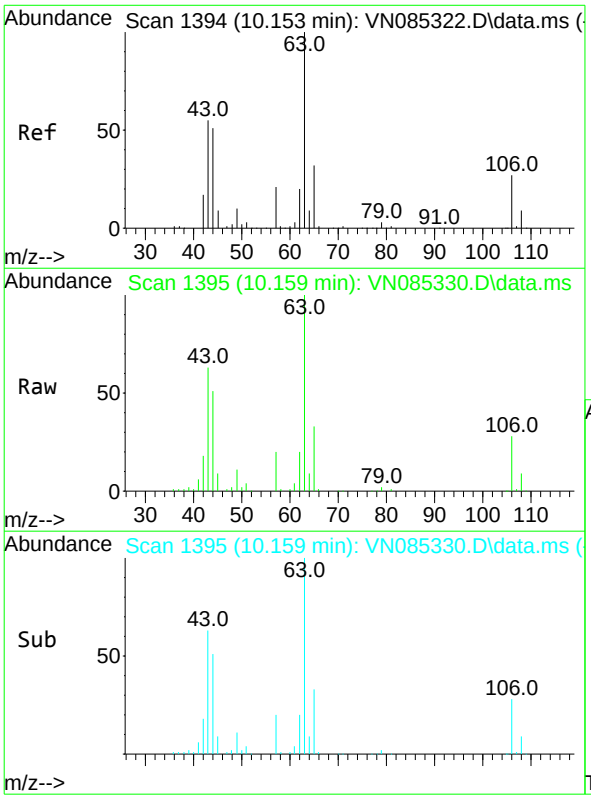
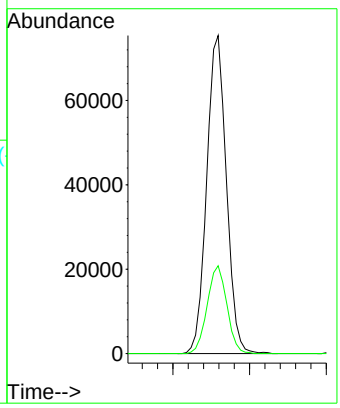
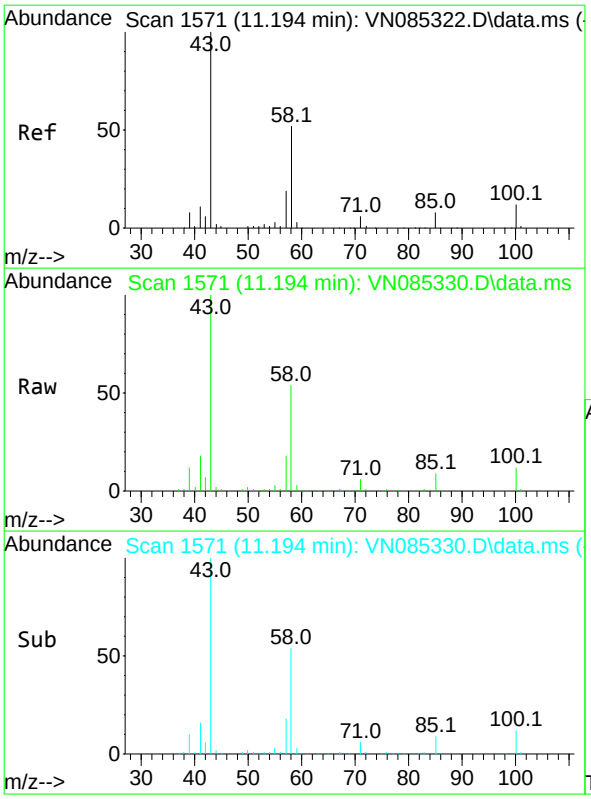


#58
2-Chloroethyl Vinyl ether
Concen: 101.065 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 63 Resp: 134176

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1

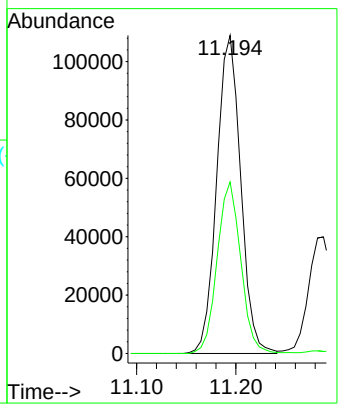




#59
2-Hexanone
Concen: 103.517 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 183110

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
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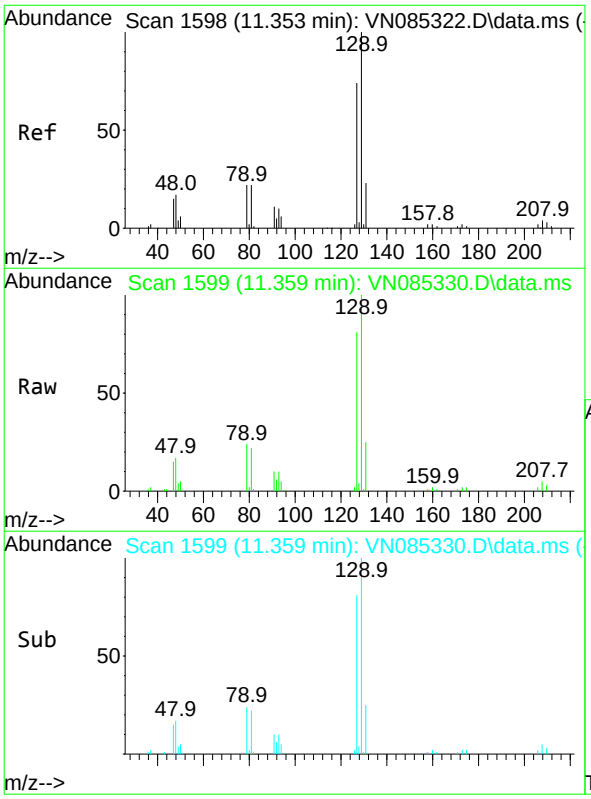
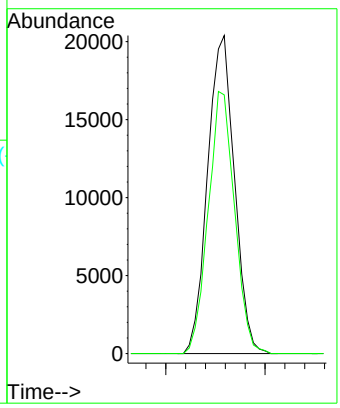
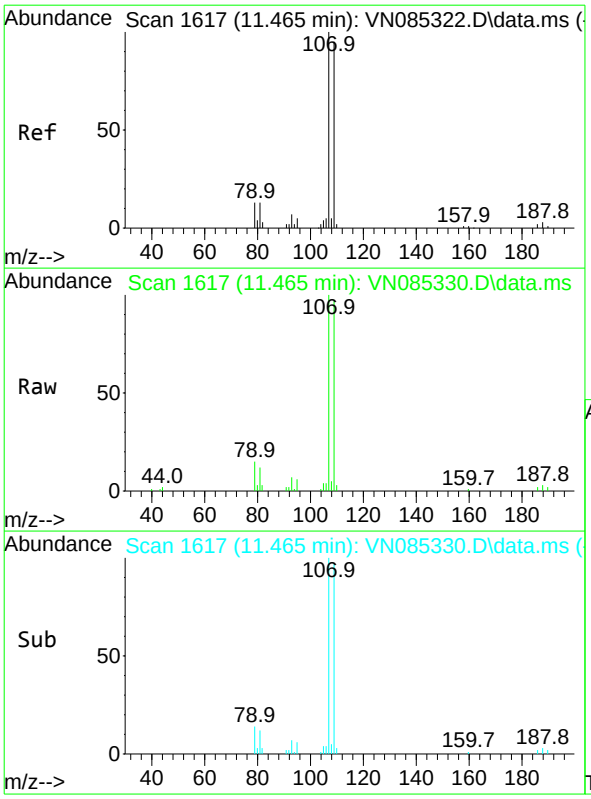


#60
Dibromochloromethane
Concen: 18.067 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:129 Resp: 38342

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.3	114.9

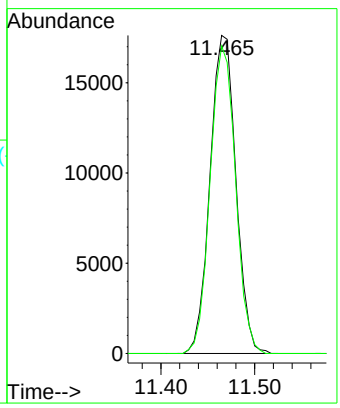




#61
1,2-Dibromoethane
Concen: 18.152 ug/l
RT: 11.465 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:107 Resp: 33837

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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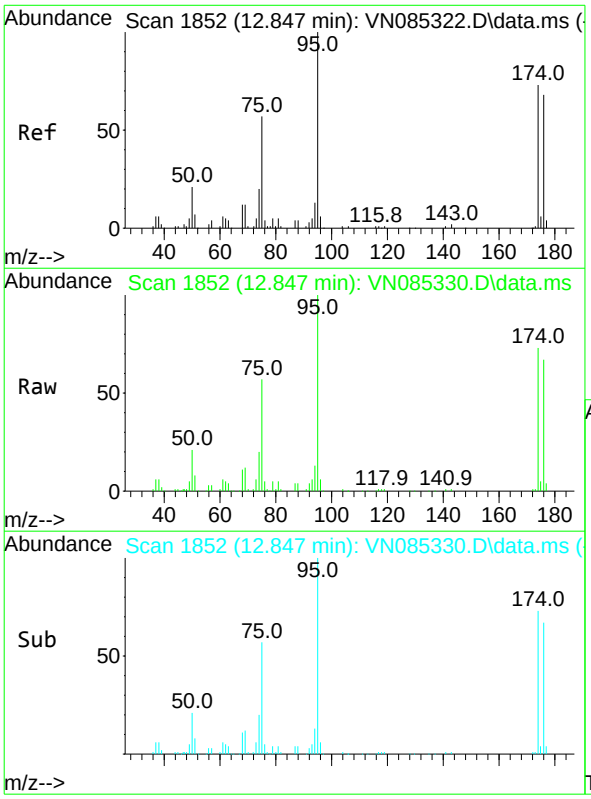
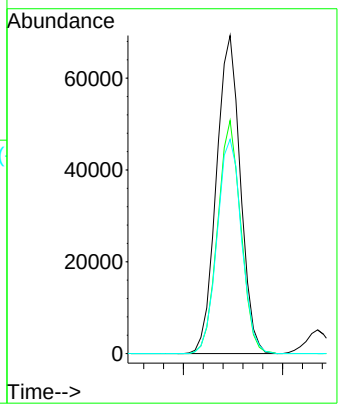
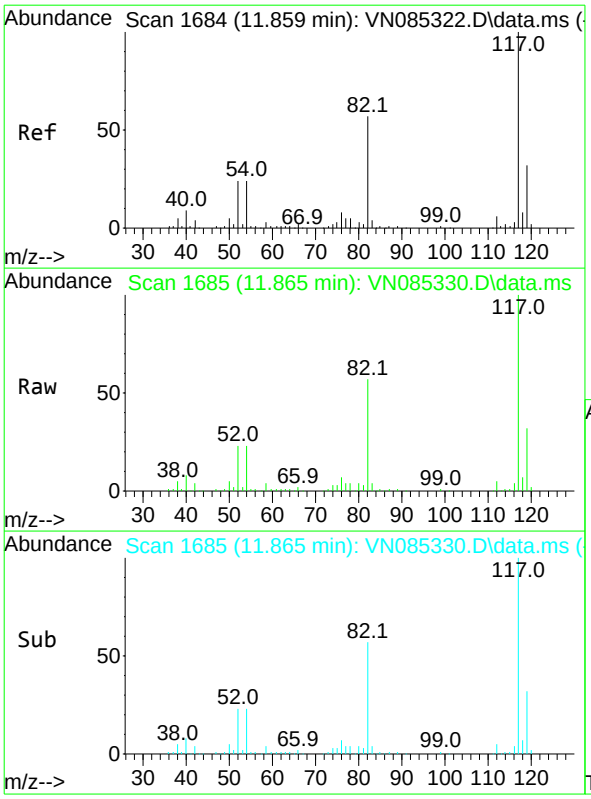


#62
4-Bromofluorobenzene
Concen: 50.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 95 Resp: 116494

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	143.2
176	68.6	0.0	135.8

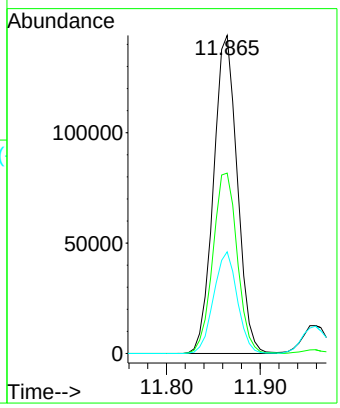




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:117 Resp: 253770

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.7	68.5
119	32.0	25.8	38.8



Instrument :
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ClientSampleId :
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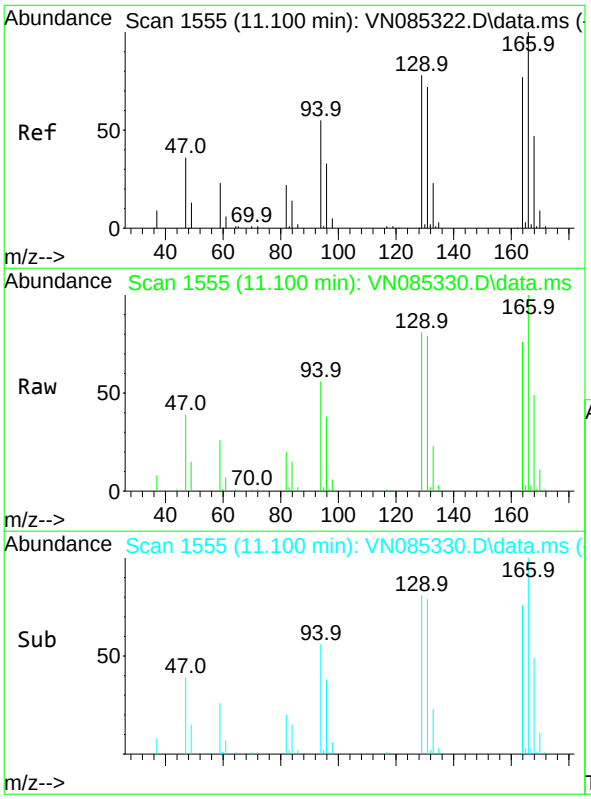
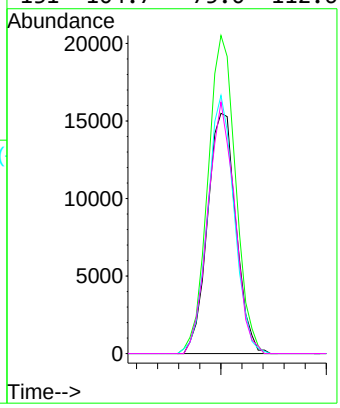
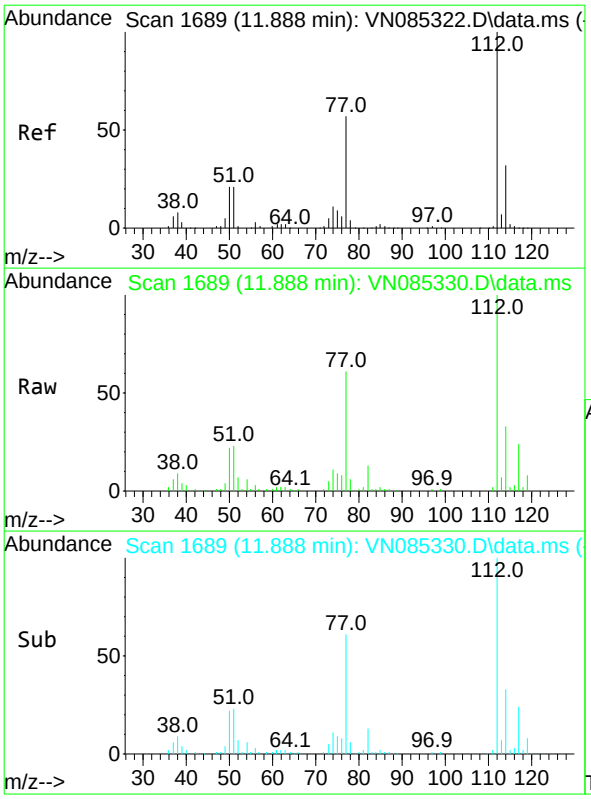


#64
Tetrachloroethene
Concen: 18.045 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:164 Resp: 29016

Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.0	156.0
129	107.5	81.3	121.9
131	104.7	75.0	112.6

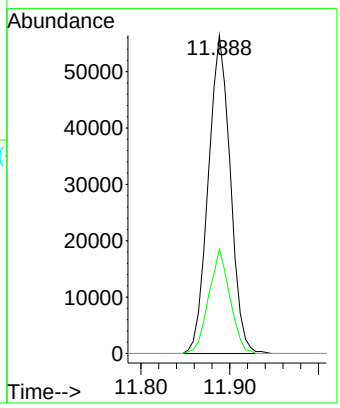




#65
Chlorobenzene
Concen: 17.719 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:112 Resp: 97170

Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.2	37.8



Instrument :
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ClientSampleId :
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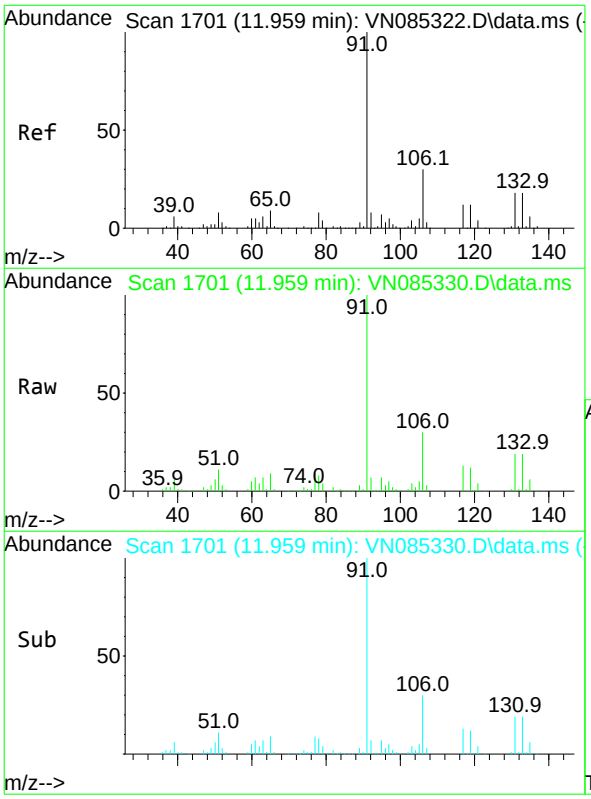
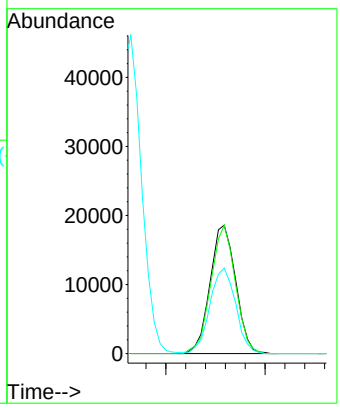
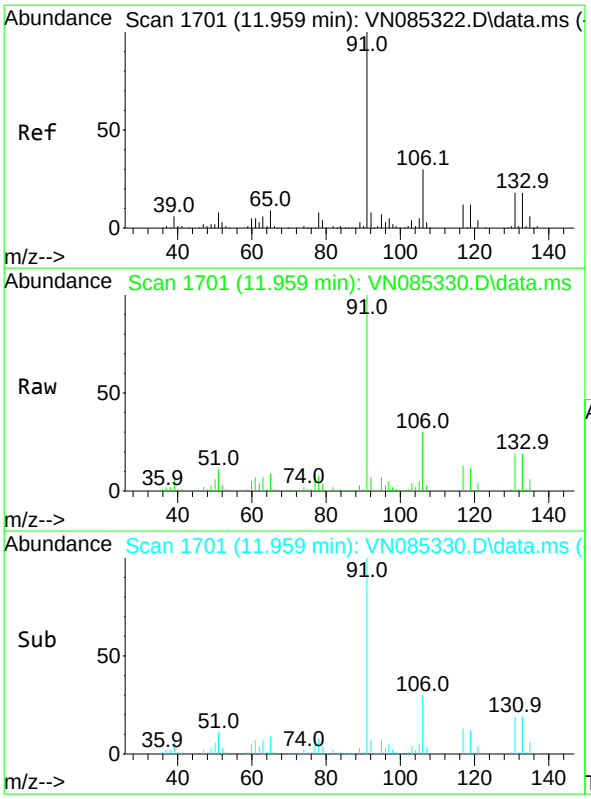


#66
1,1,1,2-Tetrachloroethane
Concen: 18.146 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:131 Resp: 33399

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.3	144.9
119	67.1	33.4	100.1

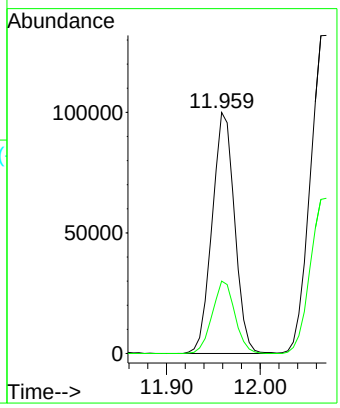




#67
Ethyl Benzene
Concen: 18.324 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 167113

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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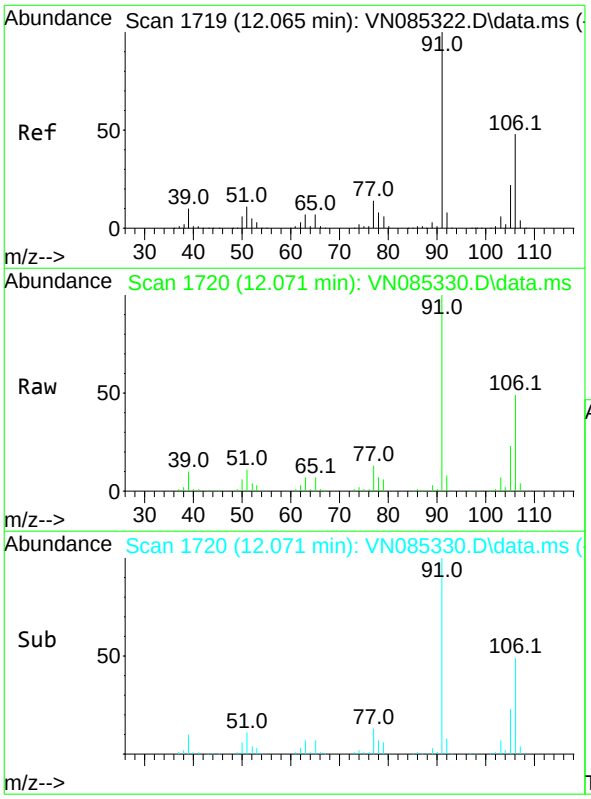
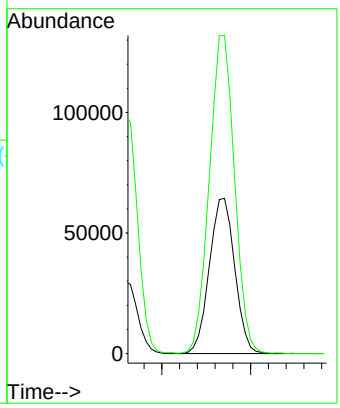
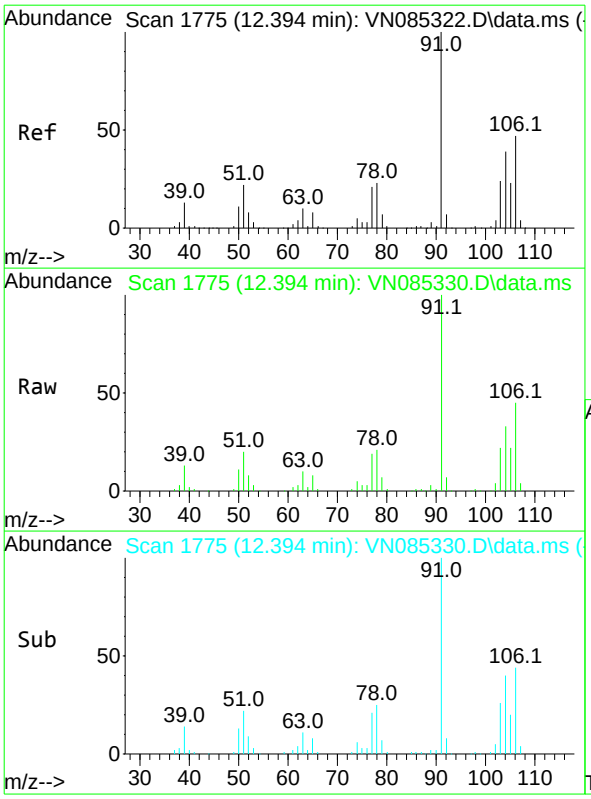


#68
m/p-Xylenes
Concen: 38.314 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:106 Resp: 127874

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.2	247.8

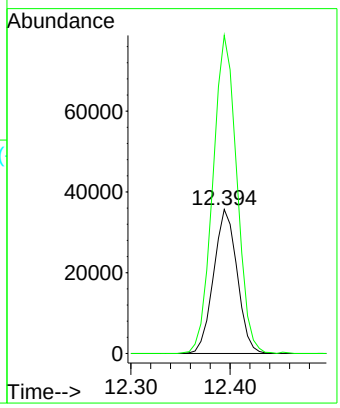




#69
o-Xylene
Concen: 18.187 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:106 Resp: 58720

Ion	Ratio	Lower	Upper
106	100		
91	225.3	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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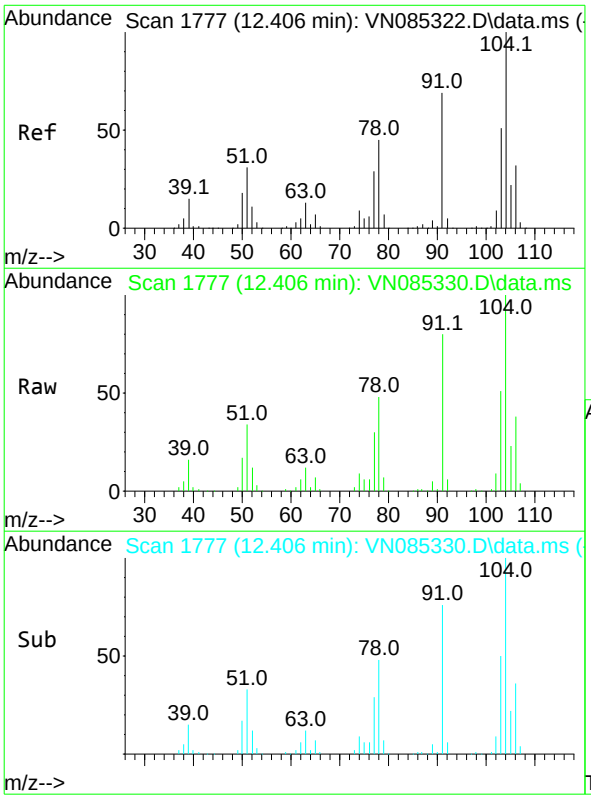
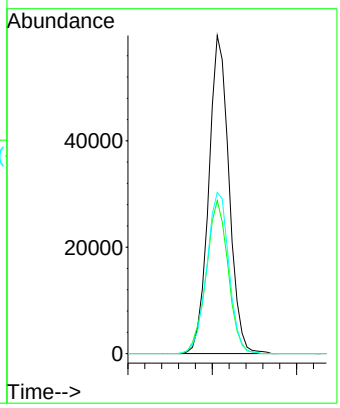
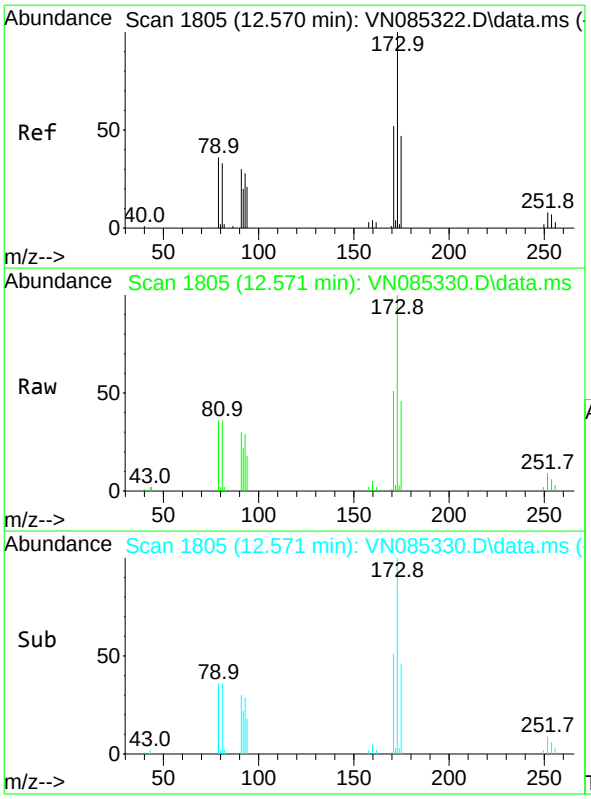


#70
Styrene
Concen: 19.120 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:104 Resp: 100048

Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.7	61.1
103	55.3	44.1	66.1

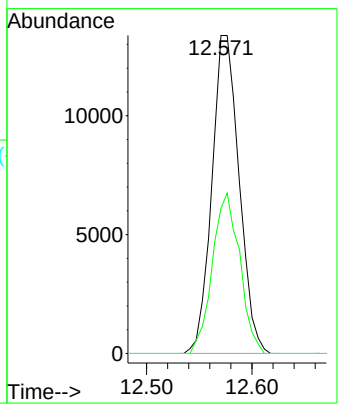




#71
Bromoform
Concen: 18.853 ug/l
RT: 12.571 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:173 Resp: 24033

Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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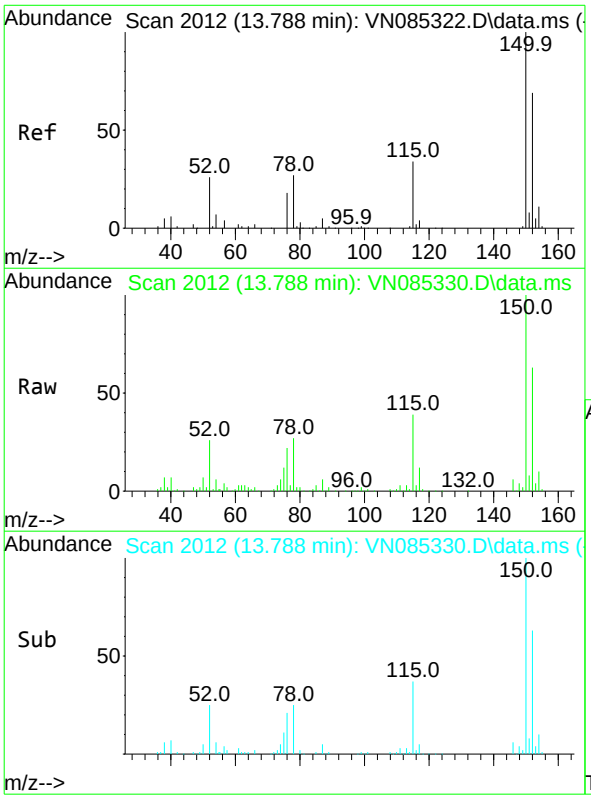
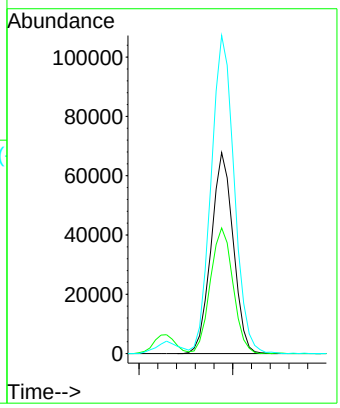
Supervised By :Mahesh Dadoda 12/30/2024

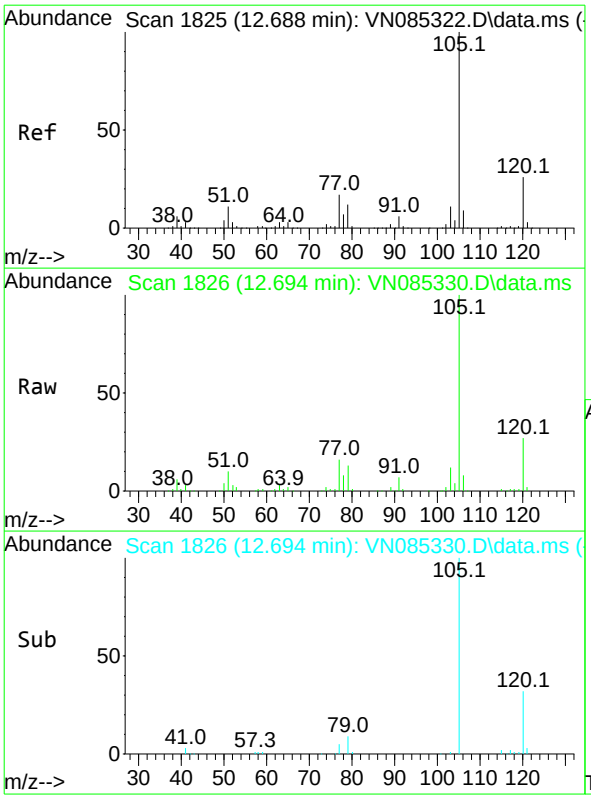


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:152 Resp: 111138

Ion	Ratio	Lower	Upper
152	100		
115	64.1	30.4	91.3
150	165.3	0.0	345.0

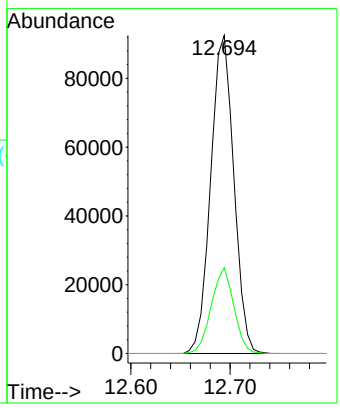




#73
Isopropylbenzene
Concen: 18.757 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 149902

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.6



Instrument :
MSVOA_N
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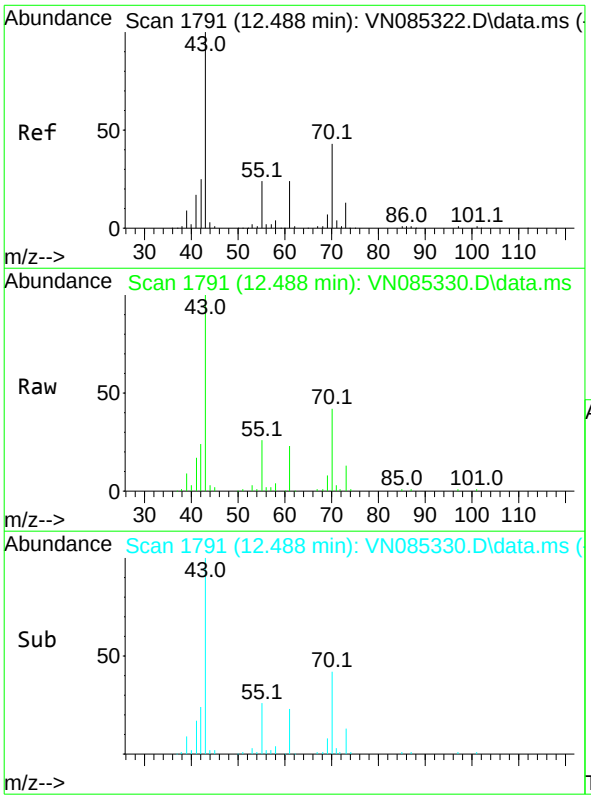
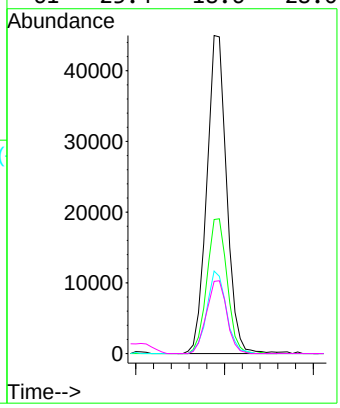
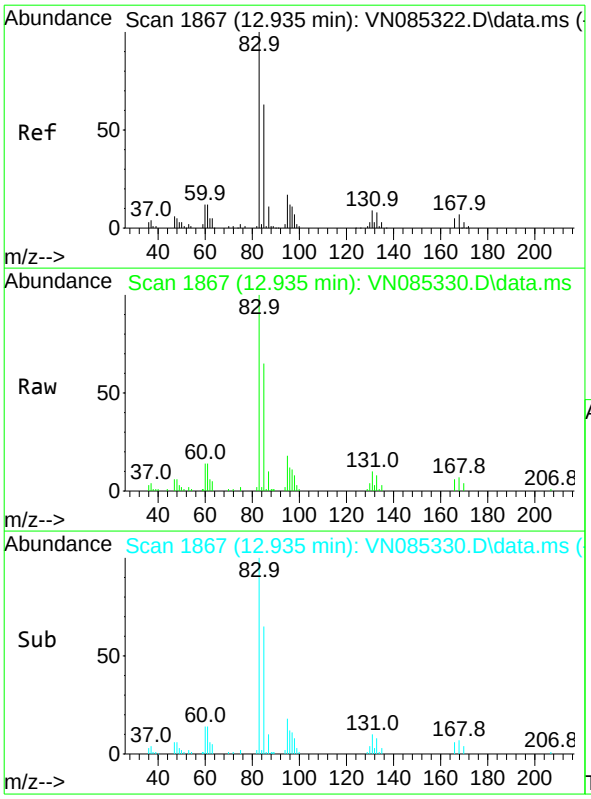


#74
N-amyl acetate
Concen: 20.419 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 69851

Ion	Ratio	Lower	Upper
43	100		
70	43.2	33.4	50.0
55	25.4	19.2	28.8
61	23.4	18.6	28.0

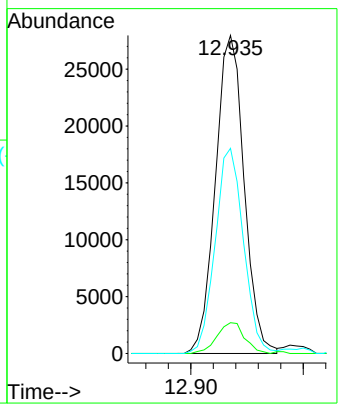




#75
1,1,2,2-Tetrachloroethane
Concen: 19.464 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 83 Resp: 49543

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	63.6	32.6	98.0



Instrument :
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ClientSampleId :
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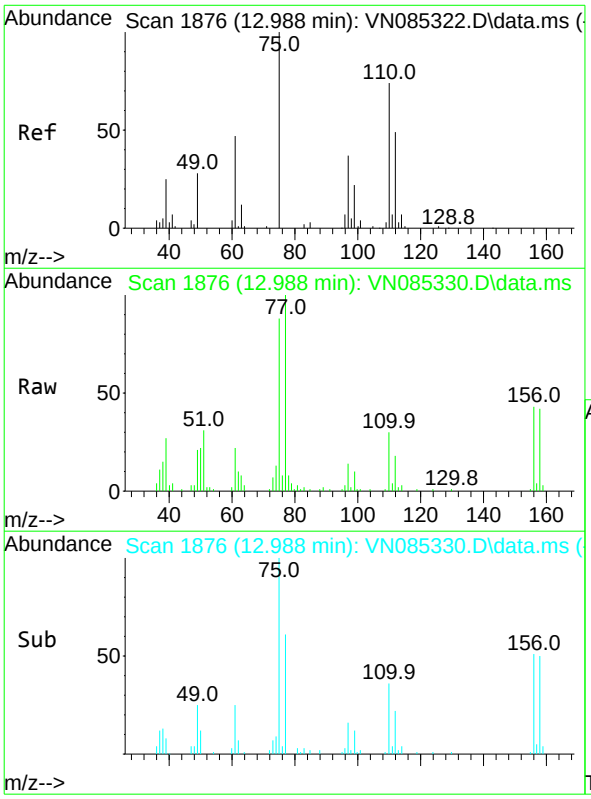
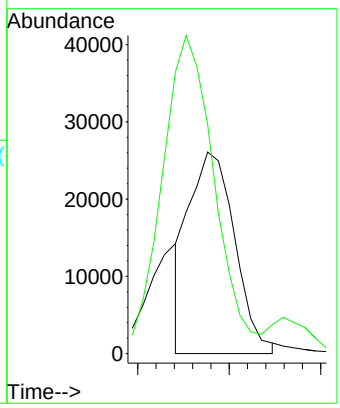
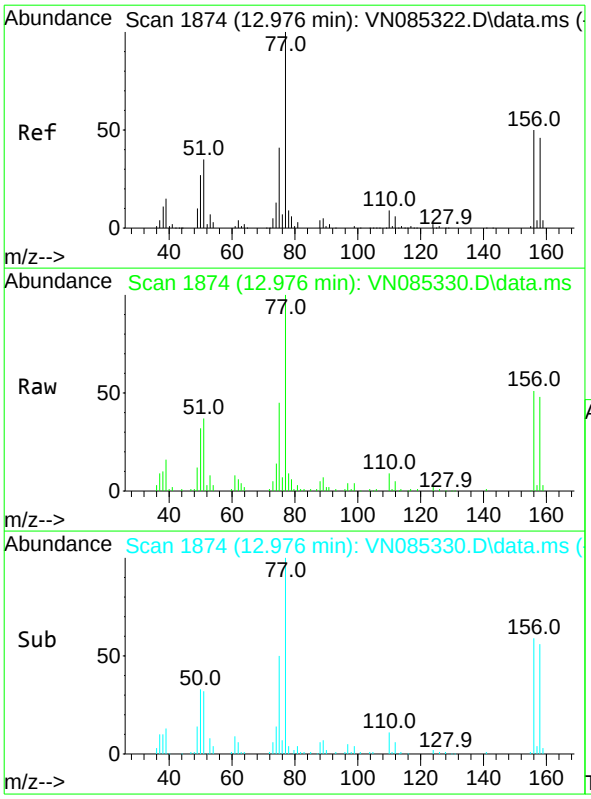


#76
1,2,3-Trichloropropane
Concen: 21.944 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 45541

Ion	Ratio	Lower	Upper
75	100		
77	180.7	98.1	294.3

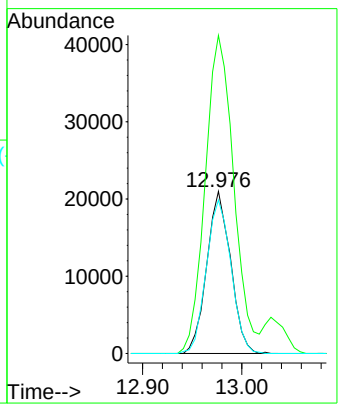




#77
Bromobenzene
Concen: 17.746 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:156 Resp: 35139

Ion	Ratio	Lower	Upper
156	100		
77	234.2	114.0	342.0
158	98.1	47.6	142.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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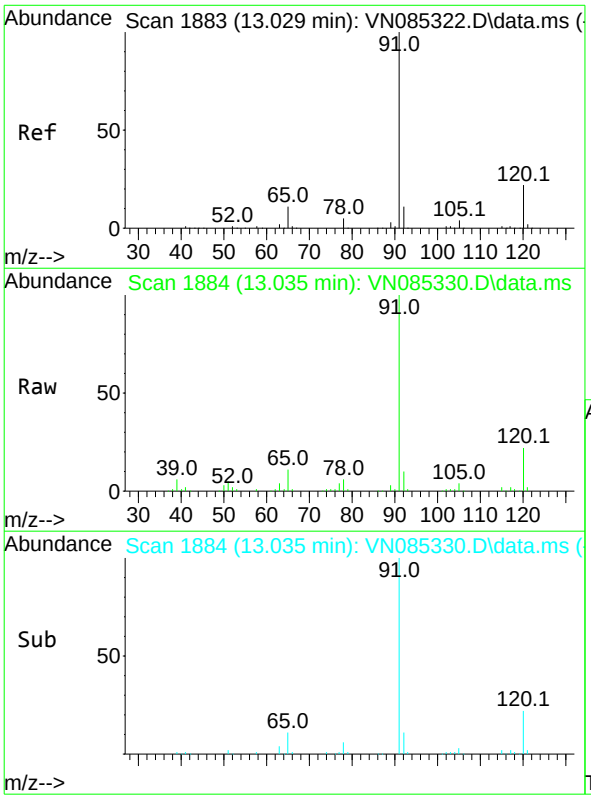
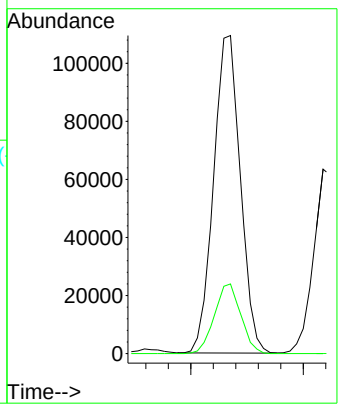
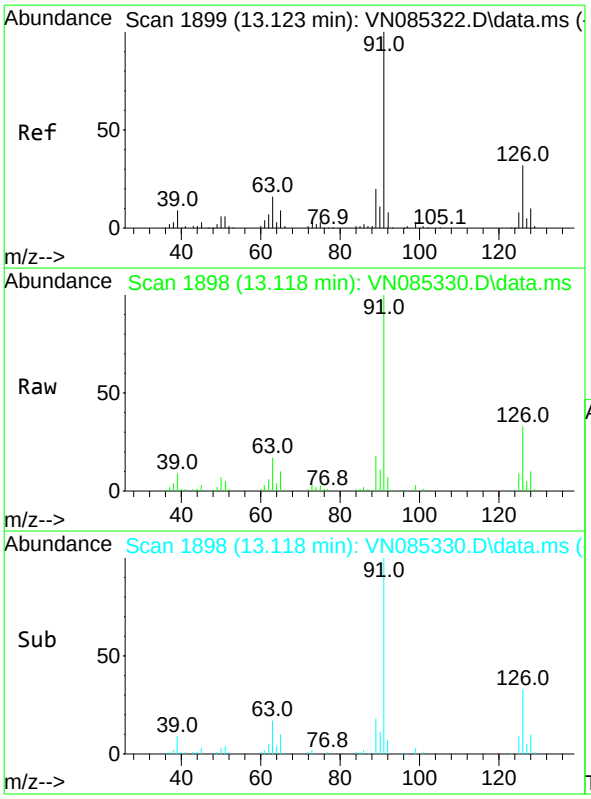


#78
n-propylbenzene
Concen: 19.398 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 180713

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.9

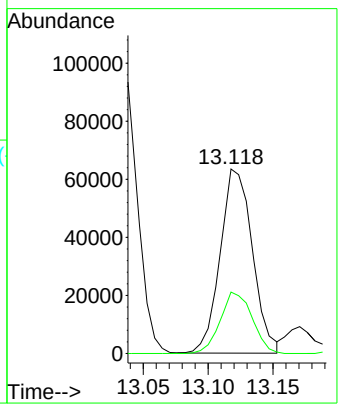




#79
2-Chlorotoluene
Concen: 18.744 ug/l
RT: 13.118 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 109897

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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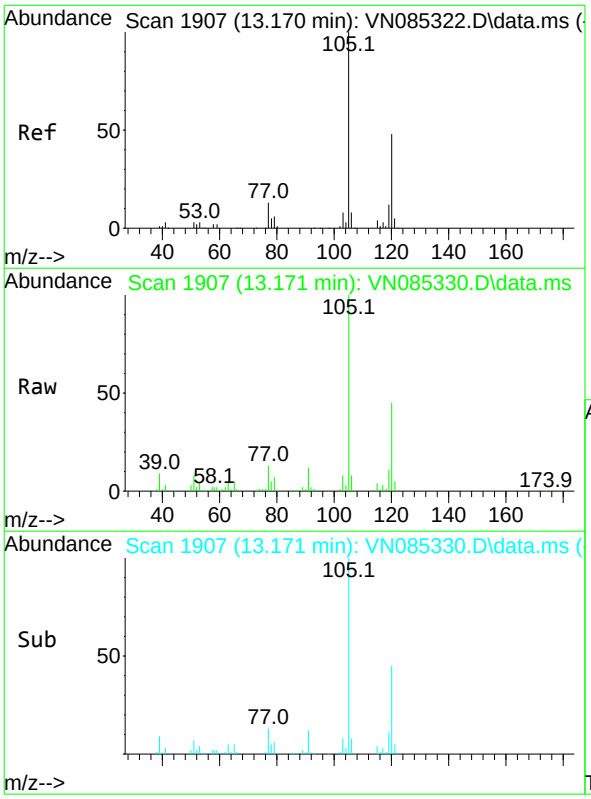
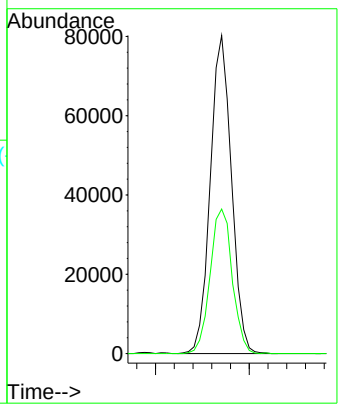
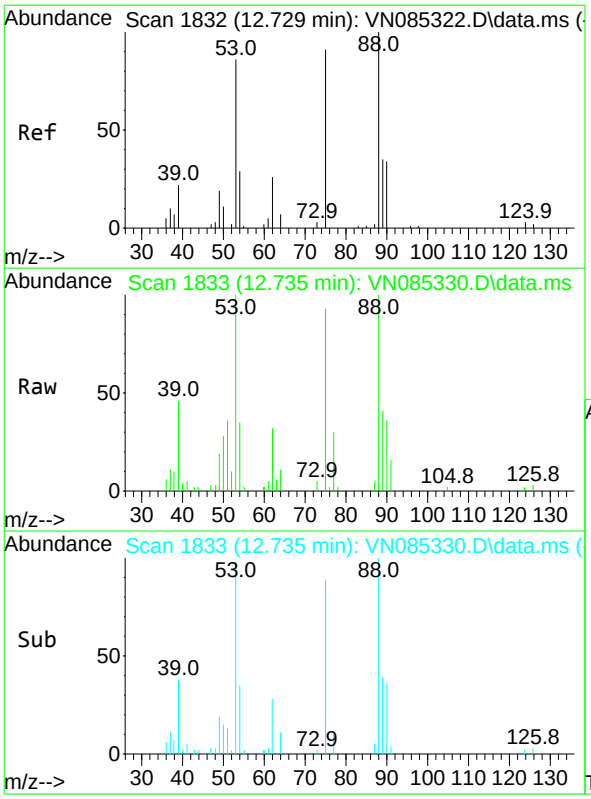


#80
1,3,5-Trimethylbenzene
Concen: 19.444 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 125698

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.0	72.0

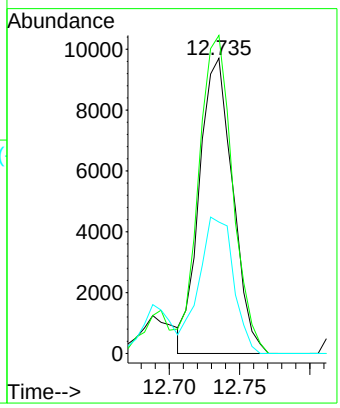




#81
trans-1,4-Dichloro-2-butene
Concen: 18.488 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 16022

Ion	Ratio	Lower	Upper
75	100		
53	110.4	80.0	120.0
89	47.8	35.8	53.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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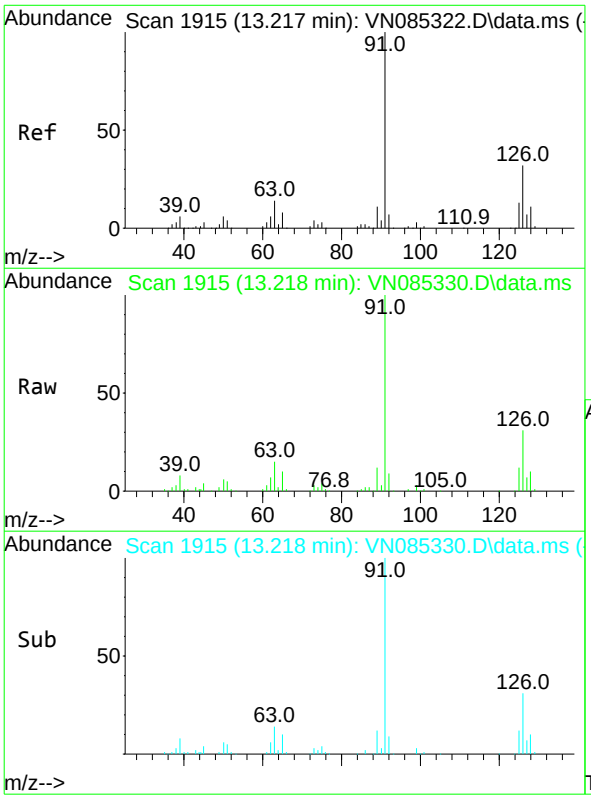
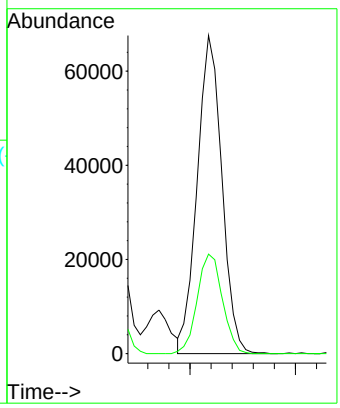
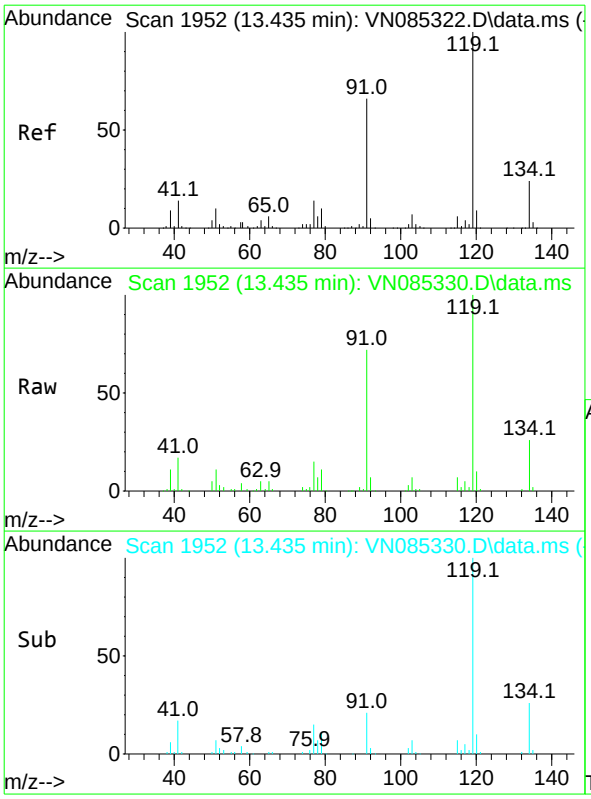


#82
4-Chlorotoluene
Concen: 18.587 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 109755

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4

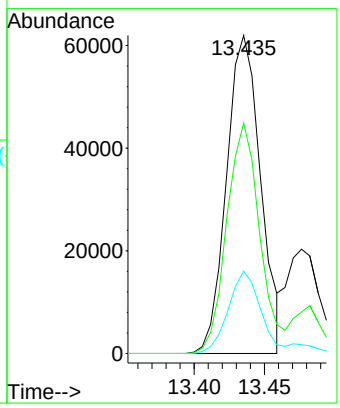




#83
tert-Butylbenzene
Concen: 18.682 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:119 Resp: 104613

Ion	Ratio	Lower	Upper
119	100		
91	70.4	33.6	100.8
134	24.4	13.3	39.8



Instrument :
MSVOA_N
ClientSampleId :
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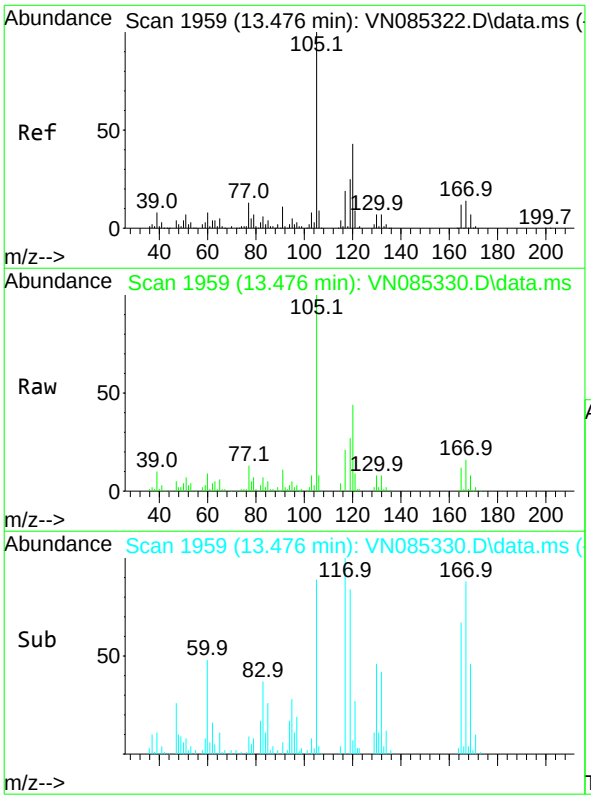
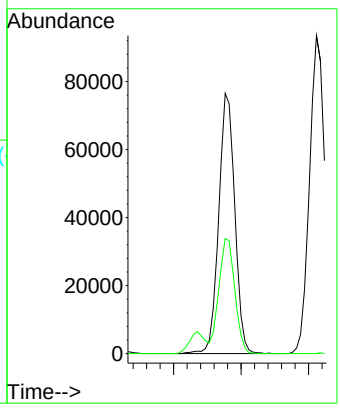
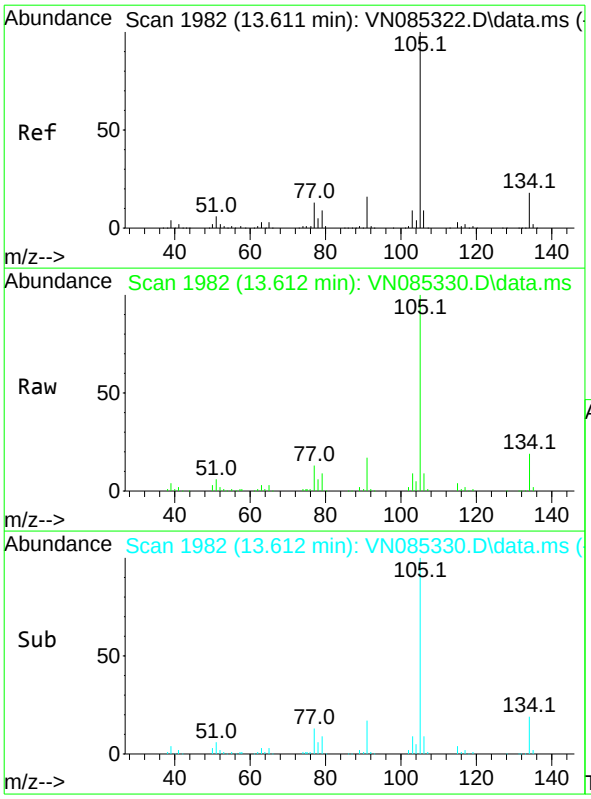


#84
1,2,4-Trimethylbenzene
Concen: 19.659 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 126545

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1

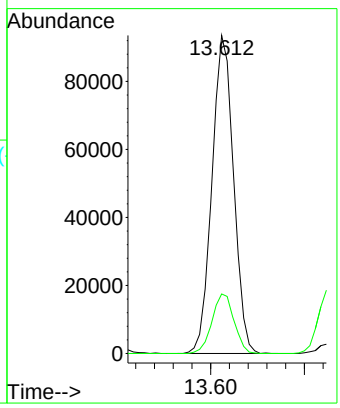




#85
sec-Butylbenzene
Concen: 19.266 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 149749

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.3



Instrument :
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ClientSampleId :
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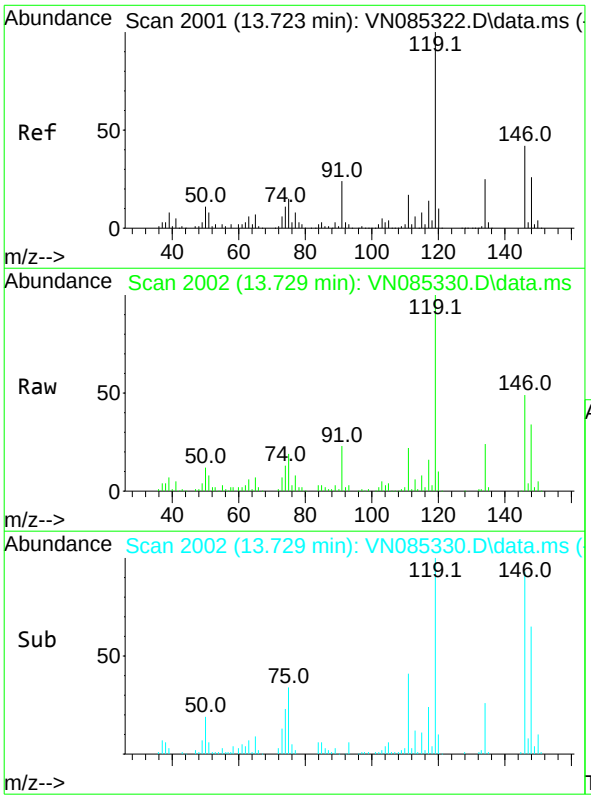
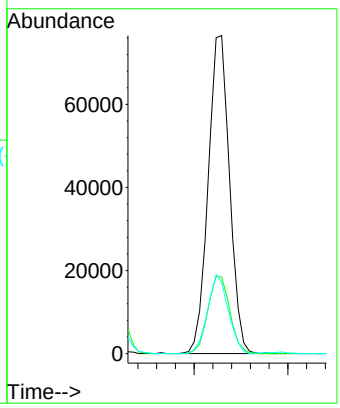
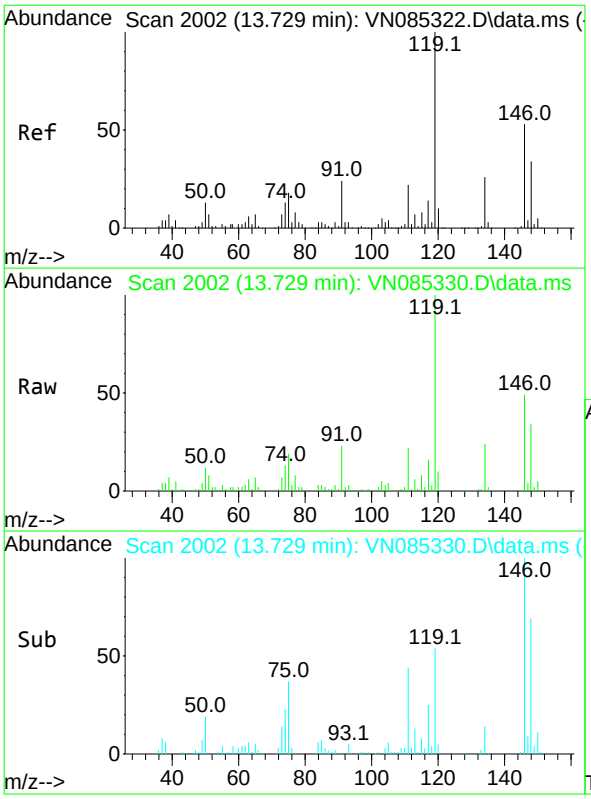


#86
p-Isopropyltoluene
Concen: 18.228 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:119 Resp: 121179

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.1	12.2	36.4

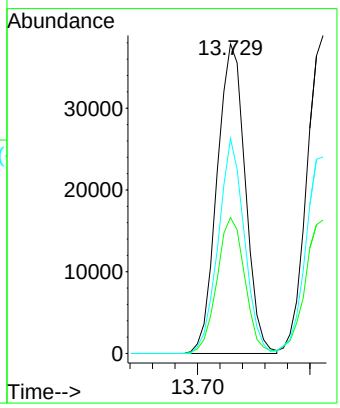




#87
1,3-Dichlorobenzene
Concen: 18.395 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:146 Resp: 66029

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.9	31.5	94.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

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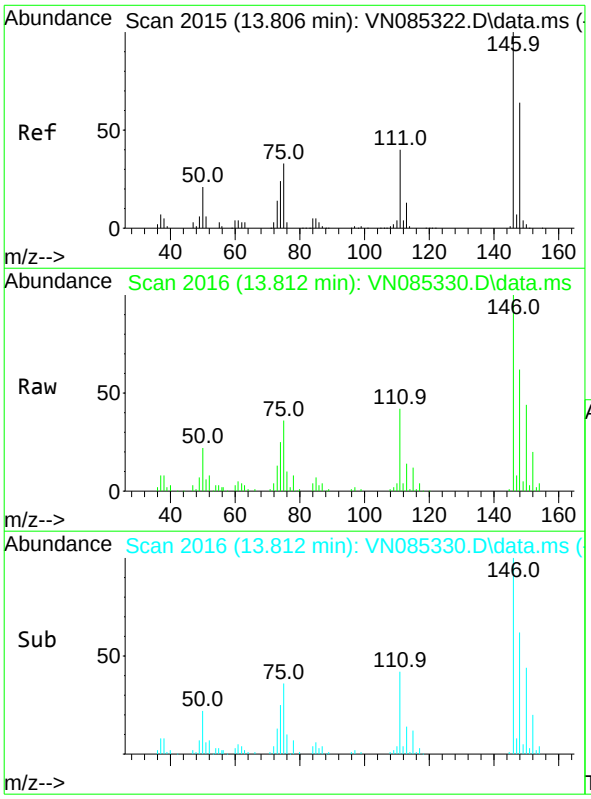
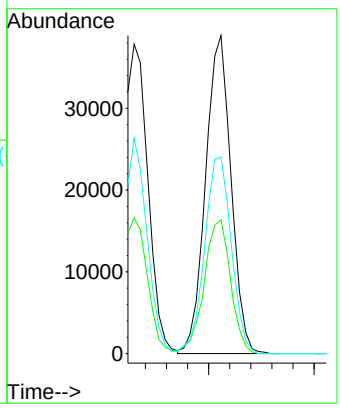
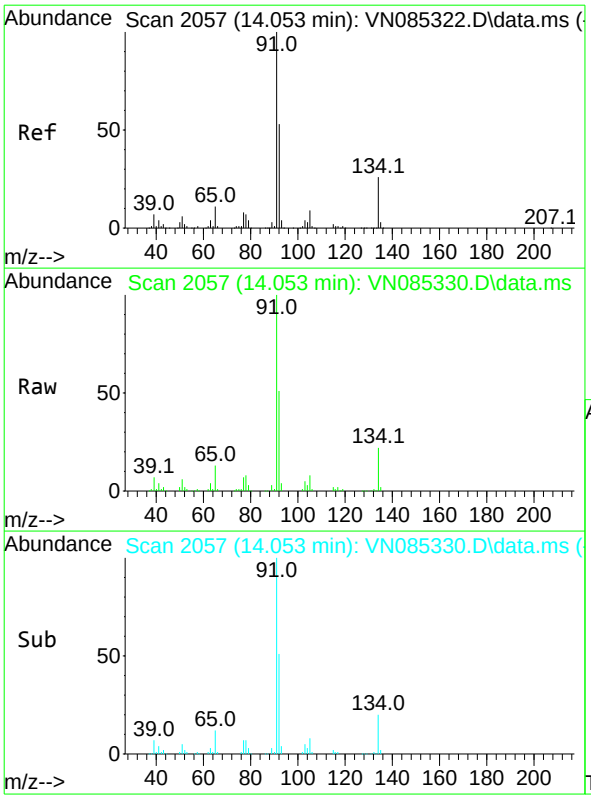


#88
1,4-Dichlorobenzene
Concen: 17.686 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:146 Resp: 65210

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.5
148	65.0	31.7	95.1

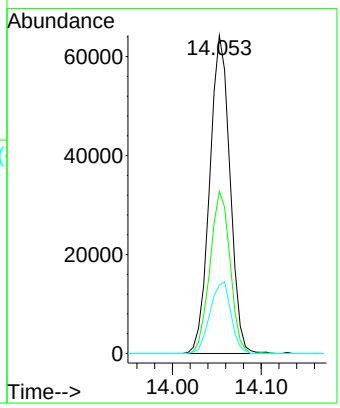




#89
n-Butylbenzene
Concen: 17.919 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 101990

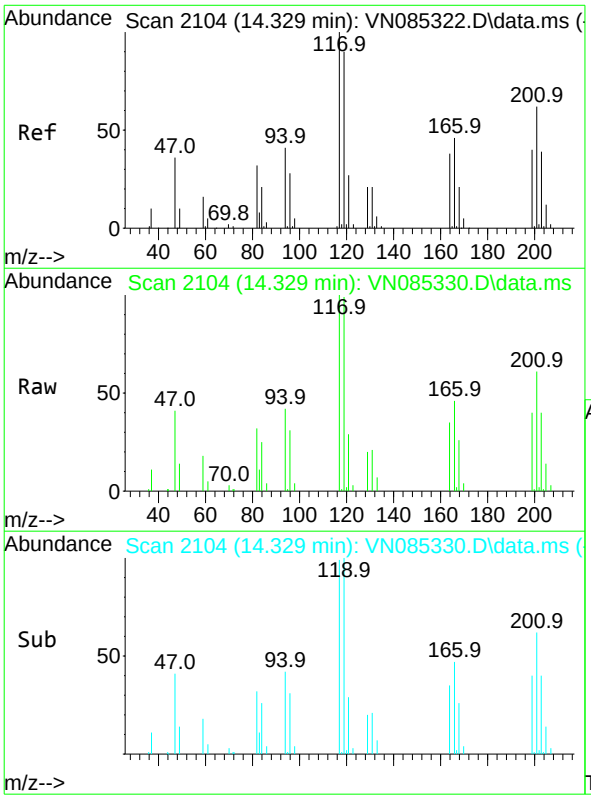
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.0	78.0
134	23.3	12.1	36.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

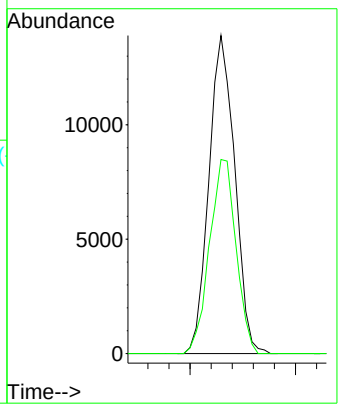
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

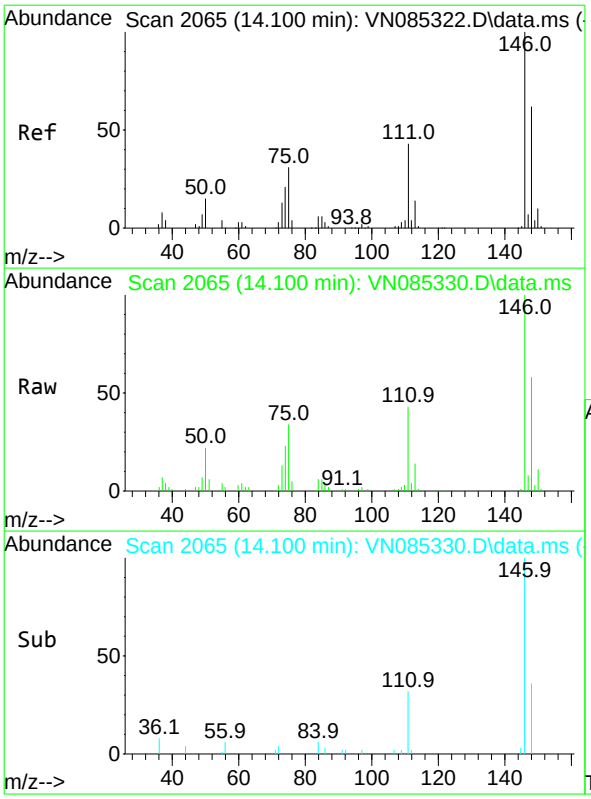


#90
Hexachloroethane
Concen: 18.594 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:117 Resp: 23690

Ion	Ratio	Lower	Upper
117	100		
201	62.6	30.7	92.1

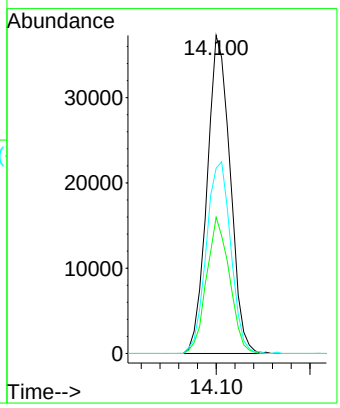




#91
1,2-Dichlorobenzene
Concen: 18.649 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:146 Resp: 63769

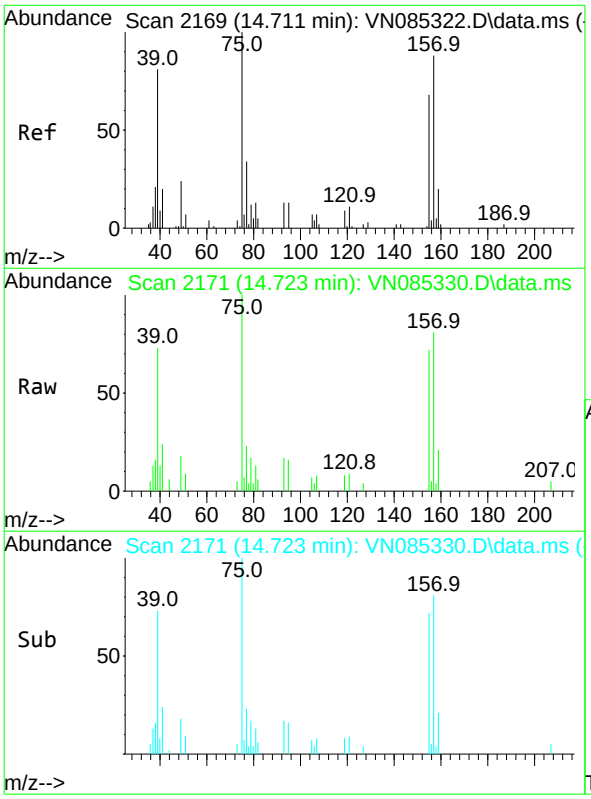
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.9	31.4	94.2



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

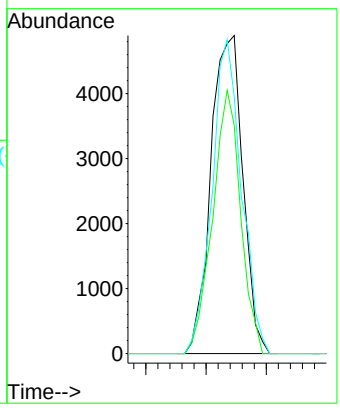
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

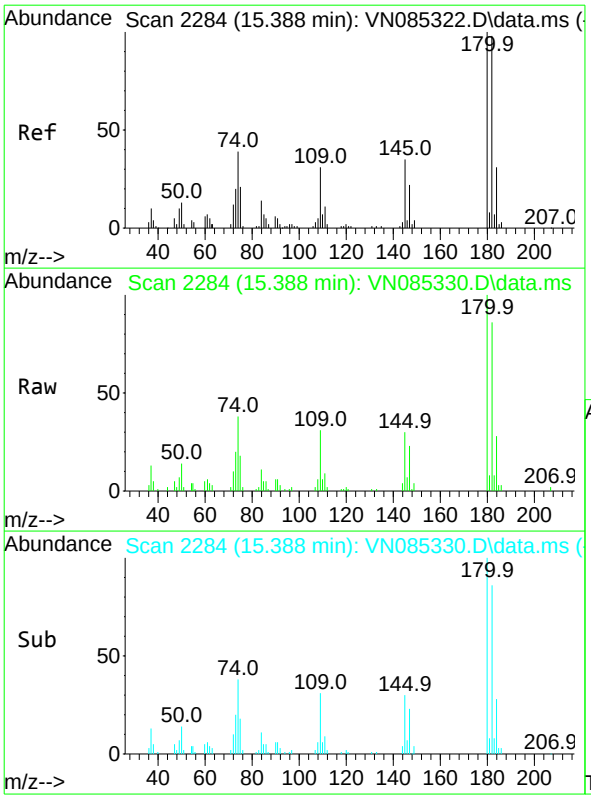


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.860 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.012 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 8997

Ion	Ratio	Lower	Upper
75	100		
155	72.4	35.6	106.9
157	91.6	47.0	141.0





#93
1,2,4-Trichlorobenzene
Concen: 17.127 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

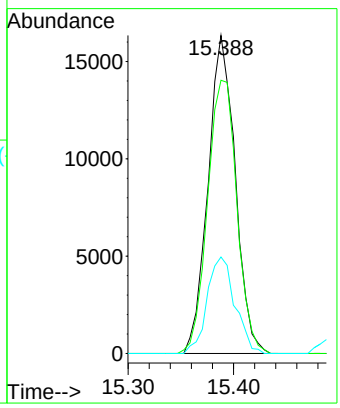
Tgt Ion:180 Resp: 29229

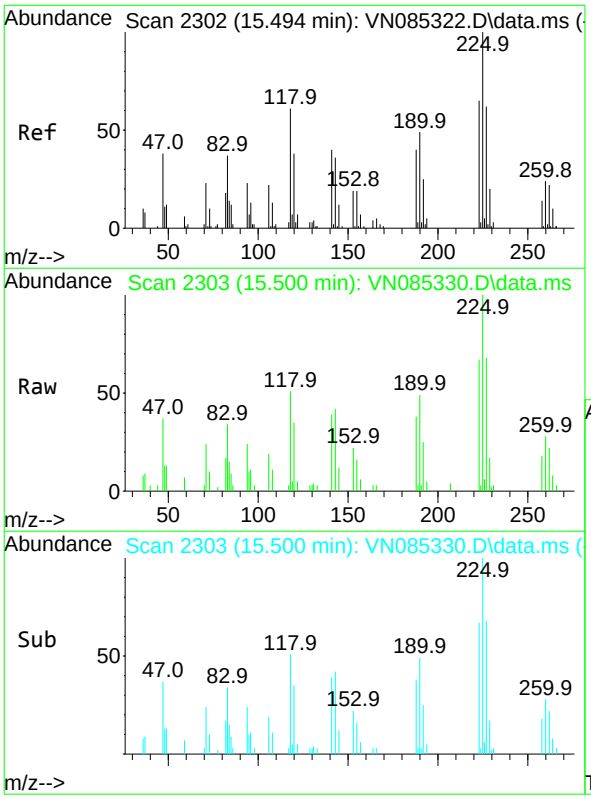
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.2	141.6
145	31.1	16.6	49.8

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

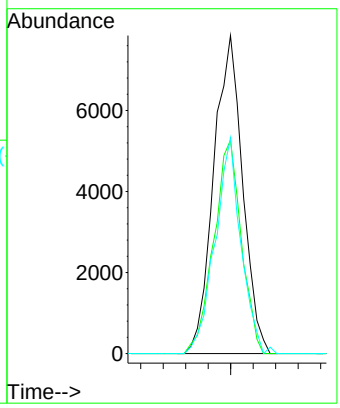


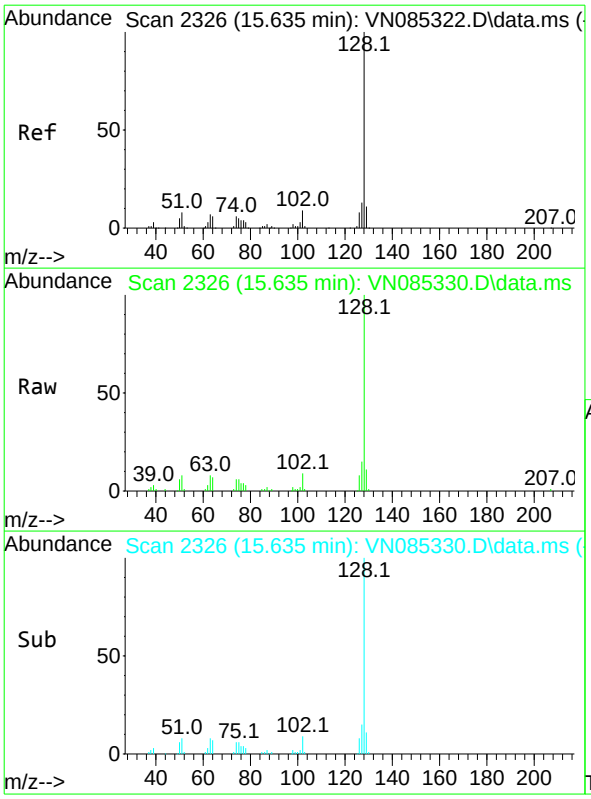


#94
Hexachlorobutadiene
Concen: 16.510 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:225 Resp: 13999

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.6	94.7
227	60.8	30.3	91.0

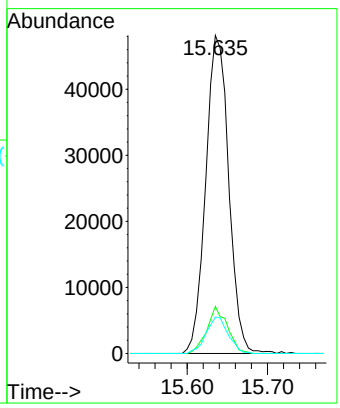




#95
Naphthalene
Concen: 16.560 ug/l
RT: 15.635 min Scan# 23
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:128 Resp: 95832

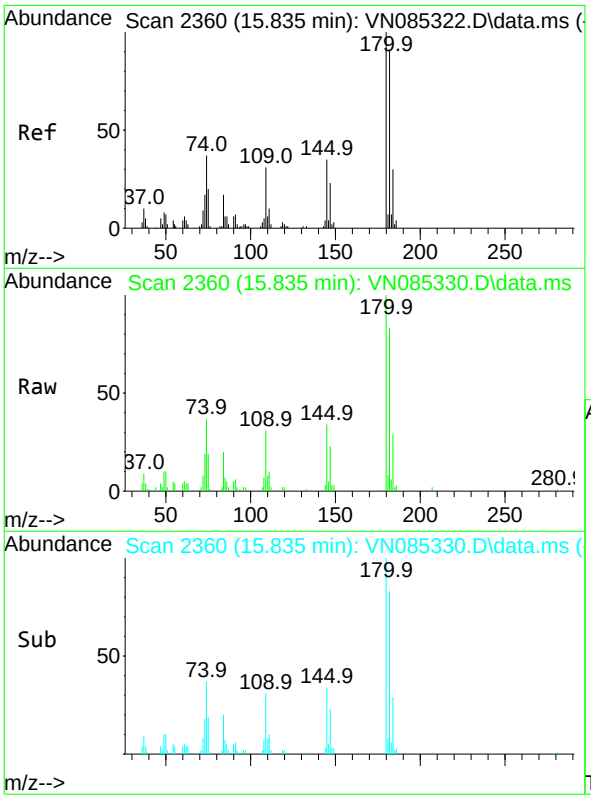
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Manual Integrations APPROVED

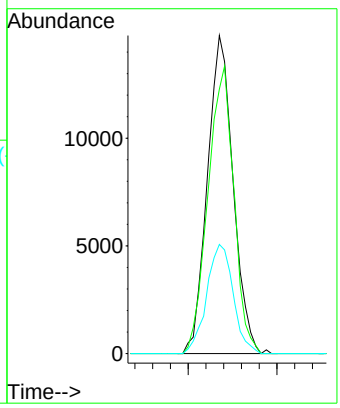
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.443 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:180 Resp: 29742

Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.8	140.4
145	35.3	17.2	51.6



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

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1227WBSD01	SDG No.:	P5380
Lab Sample ID:	VN1227WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085331.D	1		12/27/24 17:30	VN122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	18.6		0.34	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	0.75	5.00	ug/L
78-93-3	2-Butanone	110		1.30	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	0.50	5.00	ug/L
67-66-3	Chloroform	19.1		0.26	0.50	5.00	ug/L
71-43-2	Benzene	19.5		0.16	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.24	0.75	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	0.50	5.00	ug/L
108-90-7	Chlorobenzene	18.6		0.13	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144000	8.218				
540-36-3	1,4-Difluorobenzene	258000	9.1				
3114-55-4	Chlorobenzene-d5	226000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	101000	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\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	144320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111665	54.248	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.500%			
35) Dibromofluoromethane	8.165	113	81846	50.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.565	98	306433	51.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	102680	52.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36940	18.926	ug/l	100
3) Chloromethane	2.359	50	40431	18.430	ug/l	96
4) Vinyl Chloride	2.512	62	43248	18.641	ug/l	97
5) Bromomethane	2.959	94	27990	18.447	ug/l	97
6) Chloroethane	3.124	64	28037	19.056	ug/l	90
7) Trichlorofluoromethane	3.501	101	56663	18.580	ug/l	95
8) Diethyl Ether	3.959	74	20596	20.396	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	31898	18.381	ug/l	98
10) Methyl Iodide	4.595	142	38836	19.339	ug/l	94
11) Tert butyl alcohol	5.518	59	31625	122.694	ug/l	100
12) 1,1-Dichloroethene	4.342	96	29765	18.559	ug/l	87
13) Acrolein	4.177	56	42286	105.226	ug/l	99
14) Allyl chloride	5.018	41	48941	19.067	ug/l	96
15) Acrylonitrile	5.712	53	86613	106.764	ug/l	99
16) Acetone	4.424	43	74365	109.867	ug/l	97
17) Carbon Disulfide	4.712	76	85742	17.574	ug/l	100
18) Methyl Acetate	5.024	43	45651	22.030	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	106310	20.394	ug/l	99
20) Methylene Chloride	5.271	84	34153	18.759	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	31142	18.589	ug/l	94
22) Diisopropyl ether	6.671	45	112873	20.407	ug/l	97
23) Vinyl Acetate	6.600	43	420622	105.120	ug/l	98
24) 1,1-Dichloroethane	6.565	63	63046	18.922	ug/l	99
25) 2-Butanone	7.483	43	120630	114.877	ug/l	100
26) 2,2-Dichloropropane	7.489	77	55298	18.943	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	38491	19.575	ug/l	97
28) Bromochloromethane	7.812	49	31497	20.342	ug/l #	99
29) Tetrahydrofuran	7.836	42	77549	114.648	ug/l	98
30) Chloroform	7.965	83	65160	19.116	ug/l	97
31) Cyclohexane	8.253	56	53985	17.744	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	55283	18.160	ug/l	99
36) 1,1-Dichloropropene	8.371	75	44914	19.050	ug/l	98
37) Ethyl Acetate	7.559	43	51502	21.977	ug/l	99
38) Carbon Tetrachloride	8.359	117	49612	19.305	ug/l	98
39) Methylcyclohexane	9.600	83	46006	18.807	ug/l	98
40) Benzene	8.600	78	139012	19.501	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	25169	20.971 ug/l		98
42) 1,2-Dichloroethane	8.671	62	50307	19.684 ug/l		99
43) Isopropyl Acetate	8.688	43	81902	21.225 ug/l		99
44) Trichloroethene	9.347	130	31187	18.479 ug/l		89
45) 1,2-Dichloropropane	9.618	63	36004	19.896 ug/l		95
46) Dibromomethane	9.712	93	24716	19.639 ug/l		99
47) Bromodichloromethane	9.888	83	52551	20.090 ug/l	#	96
48) Methyl methacrylate	9.677	41	36782	21.968 ug/l		98
49) 1,4-Dioxane	9.694	88	13671	541.163 ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	248614	114.650 ug/l		100
52) Toluene	10.624	92	85029	20.033 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	51708	20.101 ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	55748	20.042 ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	32750	20.437 ug/l		96
56) Ethyl methacrylate	10.871	69	50141	21.484 ug/l		97
57) 1,3-Dichloropropane	11.159	76	57554	20.463 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	131176	116.170 ug/l		99
59) 2-Hexanone	11.194	43	176533	117.338 ug/l		100
60) Dibromochloromethane	11.359	129	36970	20.483 ug/l		99
61) 1,2-Dibromoethane	11.471	107	32084	20.237 ug/l		98
64) Tetrachloroethene	11.100	164	27124	18.911 ug/l		96
65) Chlorobenzene	11.888	112	91123	18.629 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	31726	19.325 ug/l		98
67) Ethyl Benzene	11.959	91	156061	19.184 ug/l		98
68) m/p-Xylenes	12.071	106	119809	40.244 ug/l		100
69) o-Xylene	12.394	106	56516	19.624 ug/l		98
70) Styrene	12.406	104	92662	19.853 ug/l		99
71) Bromoform	12.576	173	23369	20.552 ug/l	#	99
73) Isopropylbenzene	12.694	105	142191	19.493 ug/l		100
74) N-amyl acetate	12.494	43	66923	21.434 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	47785	20.569 ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	38489m	20.319 ug/l		
77) Bromobenzene	12.976	156	34066	18.850 ug/l		99
78) n-propylbenzene	13.035	91	168593	19.828 ug/l		100
79) 2-Chlorotoluene	13.123	91	104075	19.449 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	117966	19.994 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	15606	19.730 ug/l		87
82) 4-Chlorotoluene	13.218	91	105071	19.496 ug/l		99
83) tert-Butylbenzene	13.435	119	97764	19.128 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	117310	19.968 ug/l		98
85) sec-Butylbenzene	13.612	105	138962	19.588 ug/l		100
86) p-Isopropyltoluene	13.729	119	113227	18.647 ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	61805	18.865 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	62145	18.466 ug/l		99
89) n-Butylbenzene	14.053	91	97095	18.690 ug/l		99
90) Hexachloroethane	14.329	117	22343	19.213 ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	59449	19.049 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9218	22.294 ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	28607	18.366 ug/l		98
94) Hexachlorobutadiene	15.500	225	13450	17.379 ug/l		99
95) Naphthalene	15.641	128	92054	17.429 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	27454	17.641 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

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\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
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Instrument :
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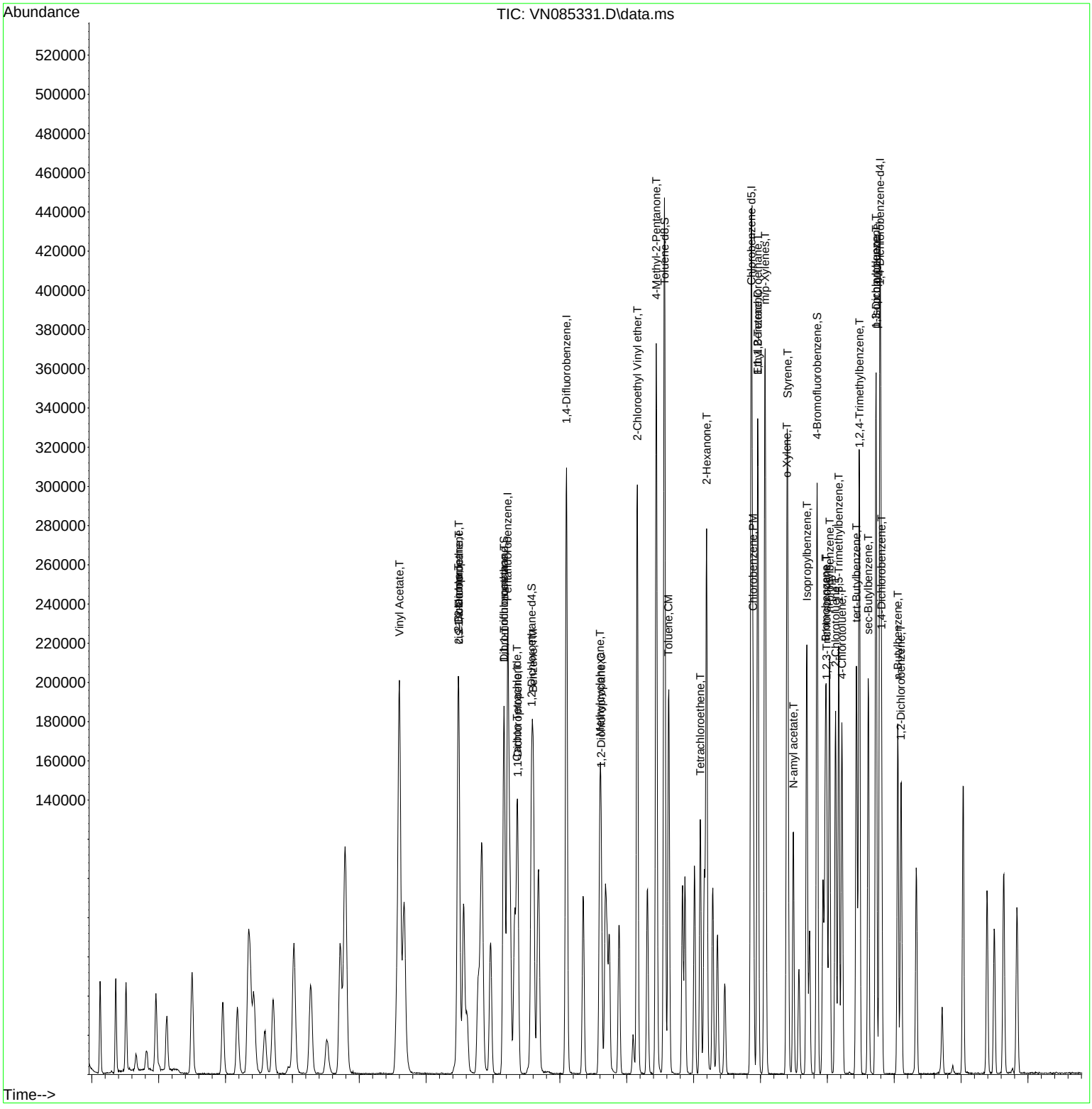
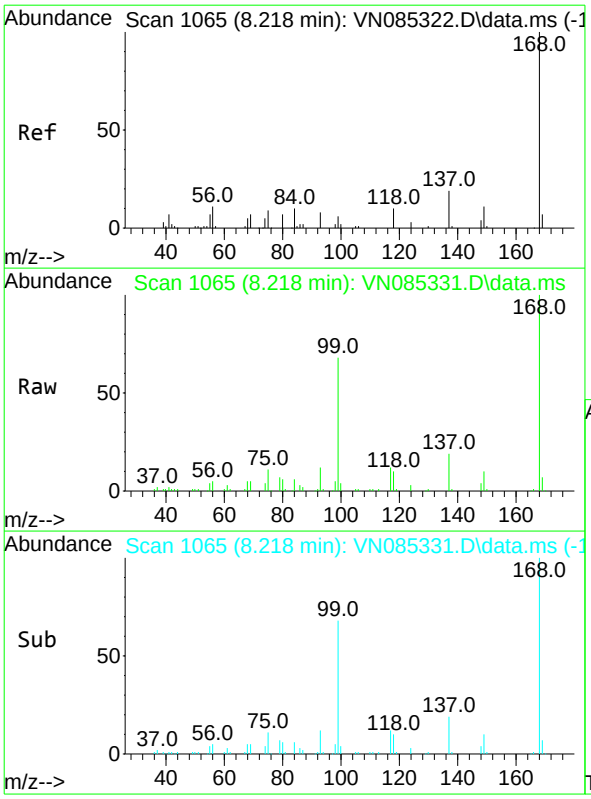
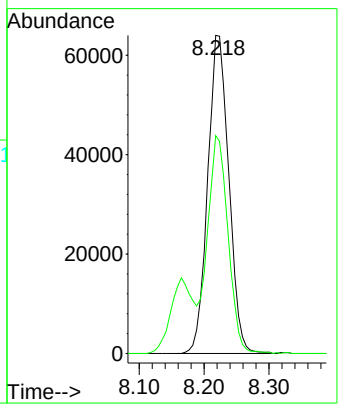




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:168 Resp: 144320

Ion	Ratio	Lower	Upper
168	100		
99	68.2	51.0	76.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations
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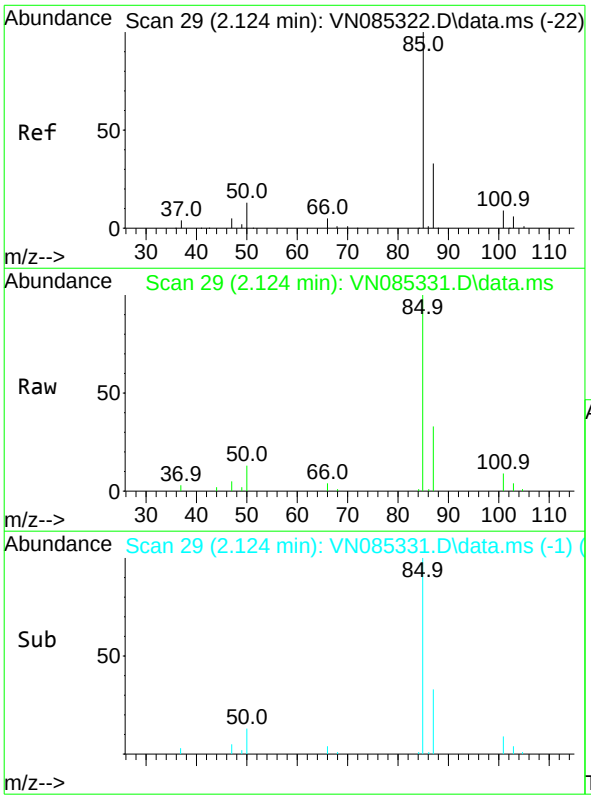
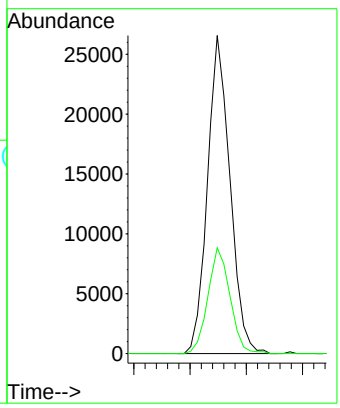
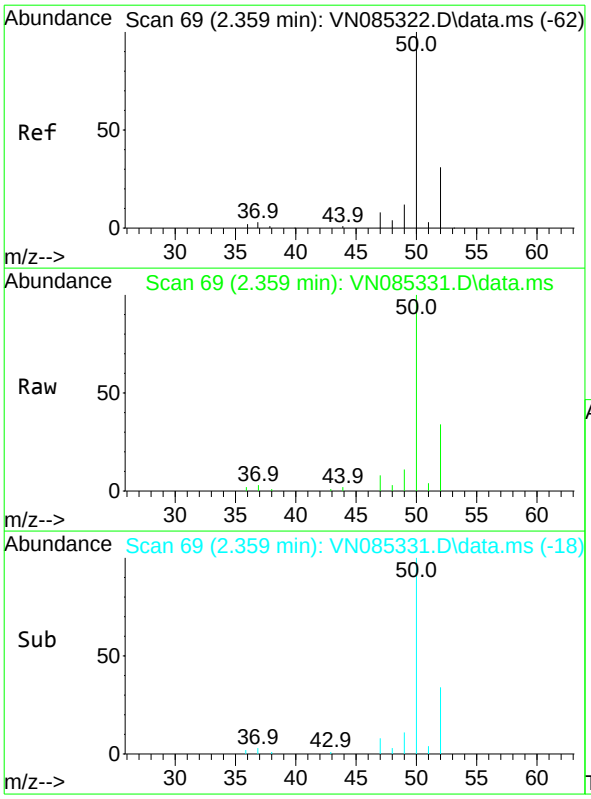


#2
Dichlorodifluoromethane
Concen: 18.926 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 85 Resp: 36940

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.8	50.3

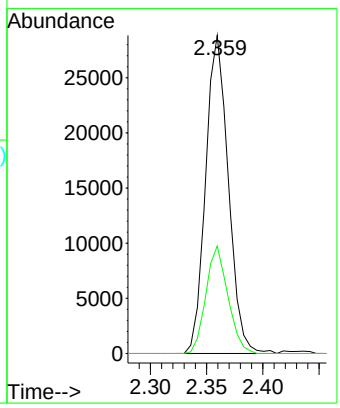




#3
Chloromethane
Concen: 18.430 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 50 Resp: 40431

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.1	37.7



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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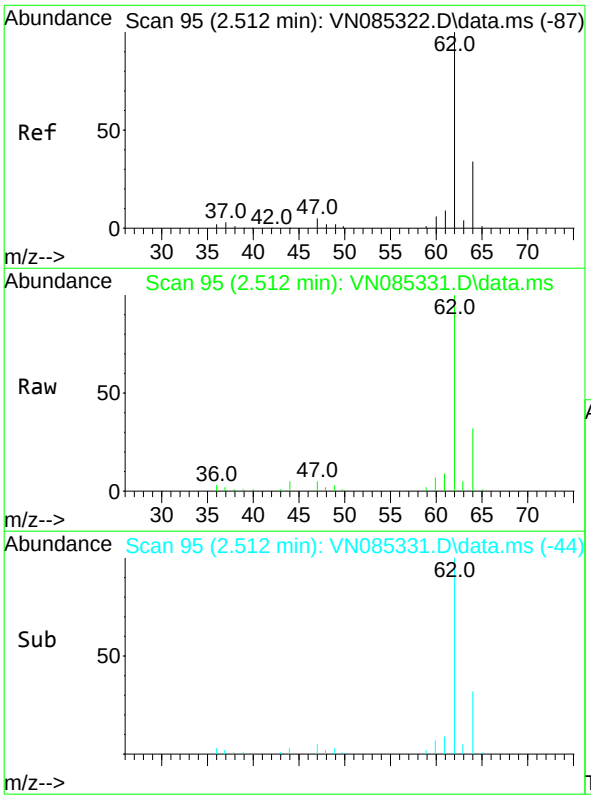
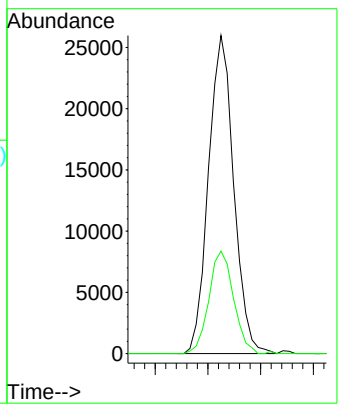
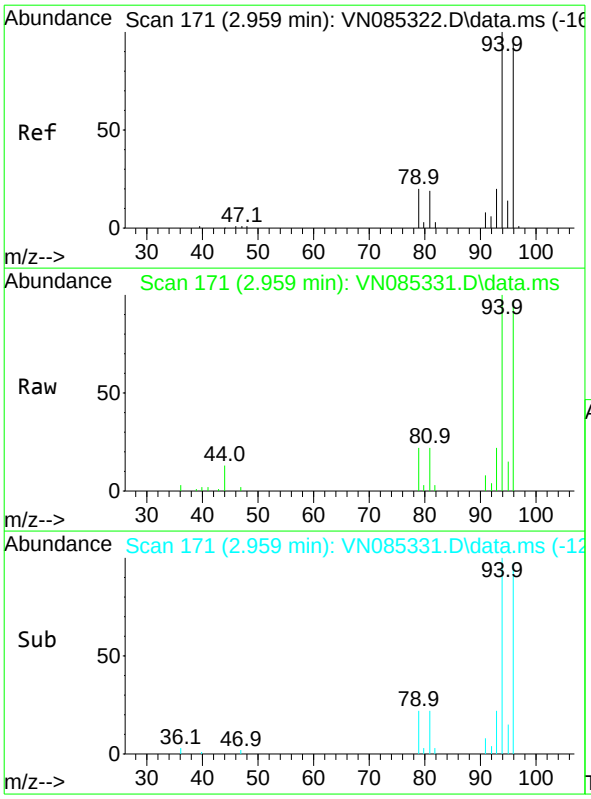


#4
Vinyl Chloride
Concen: 18.641 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 62 Resp: 43248

Ion	Ratio	Lower	Upper
62	100		
64	32.2	27.0	40.6

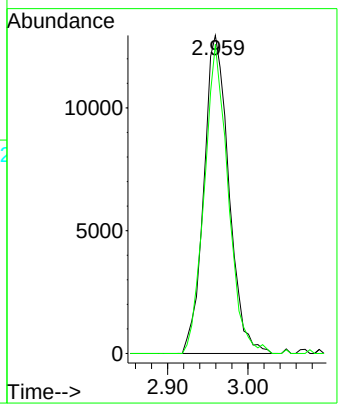




#5
Bromomethane
Concen: 18.447 ug/l
RT: 2.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 94 Resp: 27990

Ion	Ratio	Lower	Upper
94	100		
96	97.2	75.2	112.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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Reviewed By :John Carlone 12/30/2024
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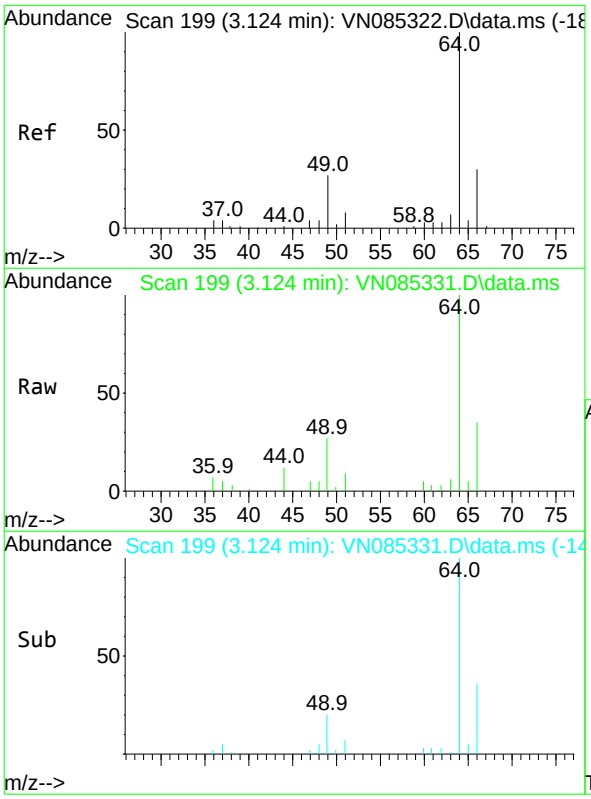
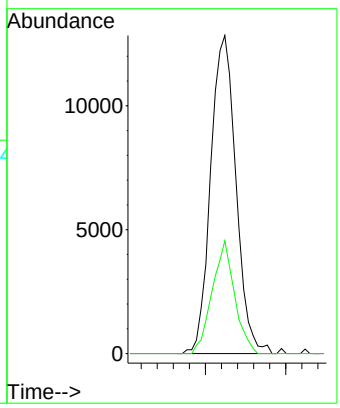
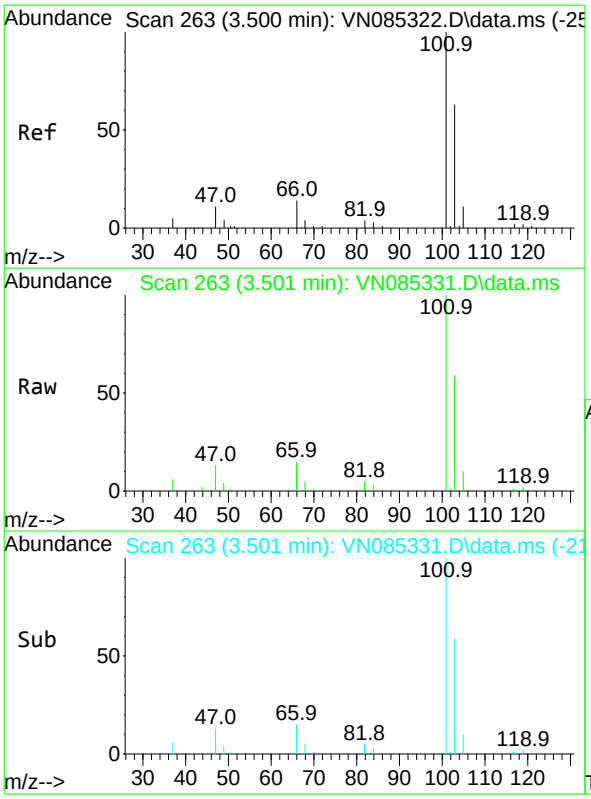


#6
Chloroethane
Concen: 19.056 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 64 Resp: 28037

Ion	Ratio	Lower	Upper
64	100		
66	35.4	24.1	36.1

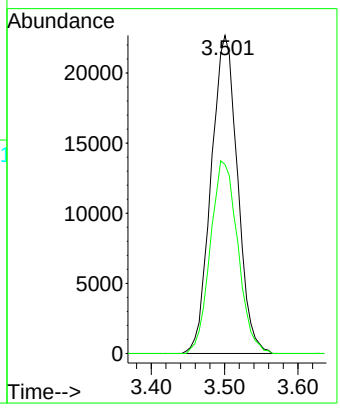




#7
Trichlorofluoromethane
Concen: 18.580 ug/l
RT: 3.501 min Scan# 26
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:101 Resp: 56663

Ion	Ratio	Lower	Upper
101	100		
103	59.4	50.3	75.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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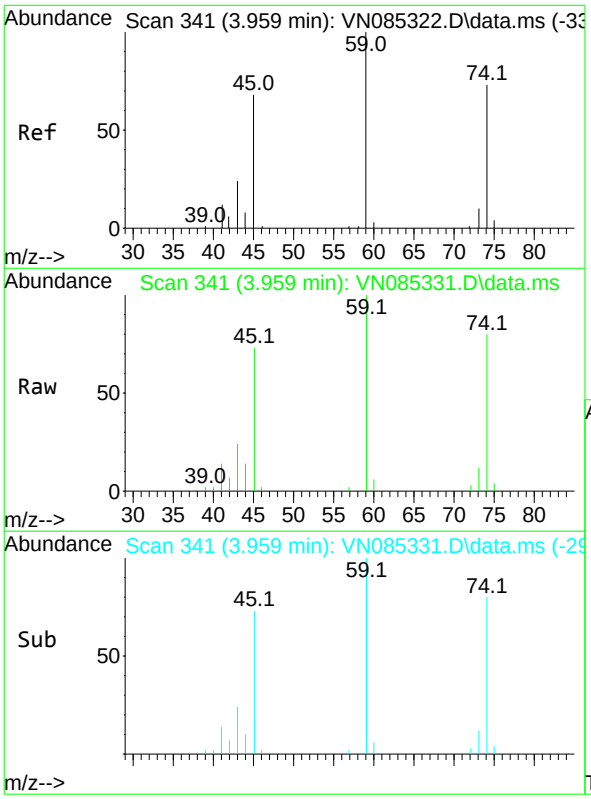
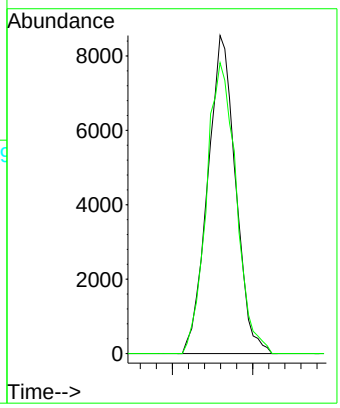
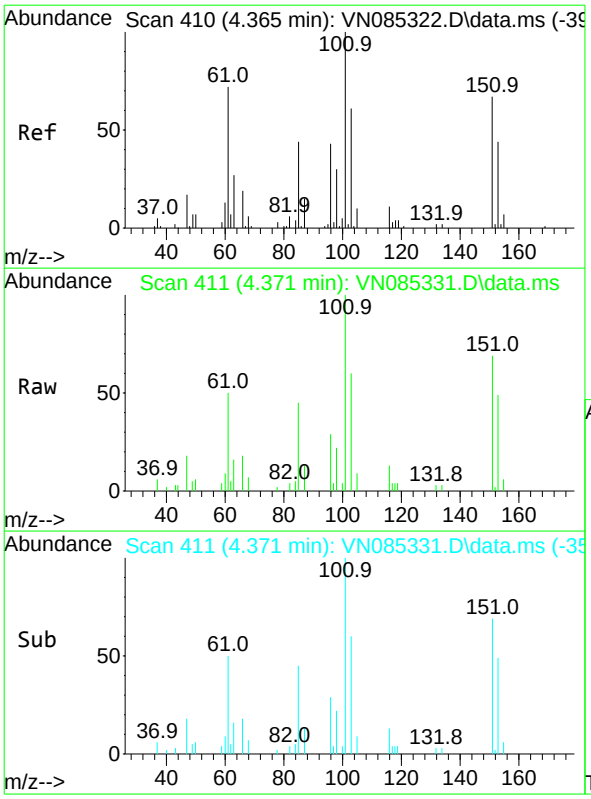


#8
Diethyl Ether
Concen: 20.396 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 74 Resp: 20596

Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.5	142.6

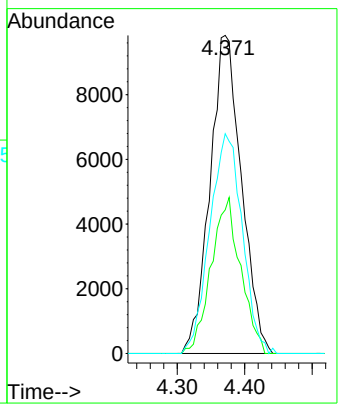




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.381 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:101 Resp: 31898

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	71.3	55.8	83.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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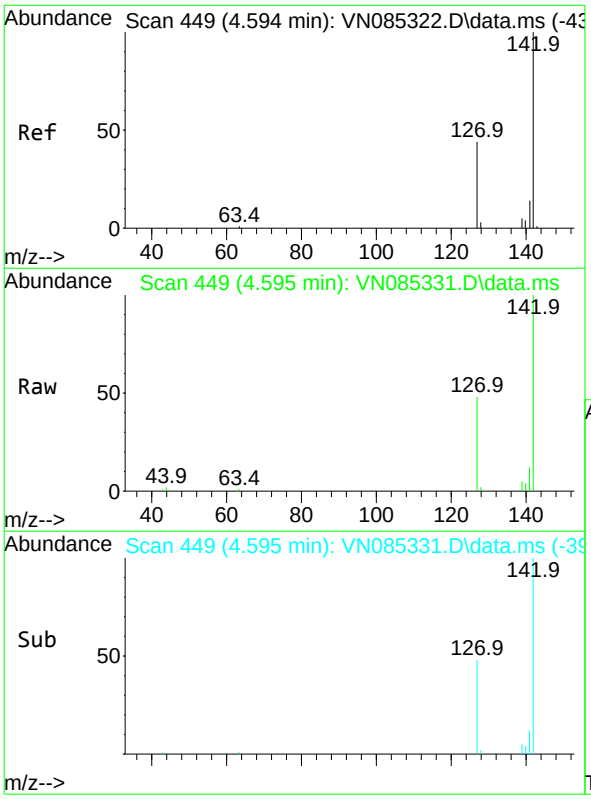
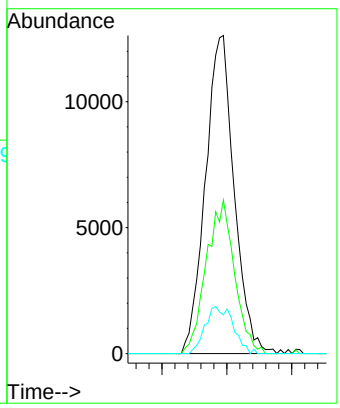
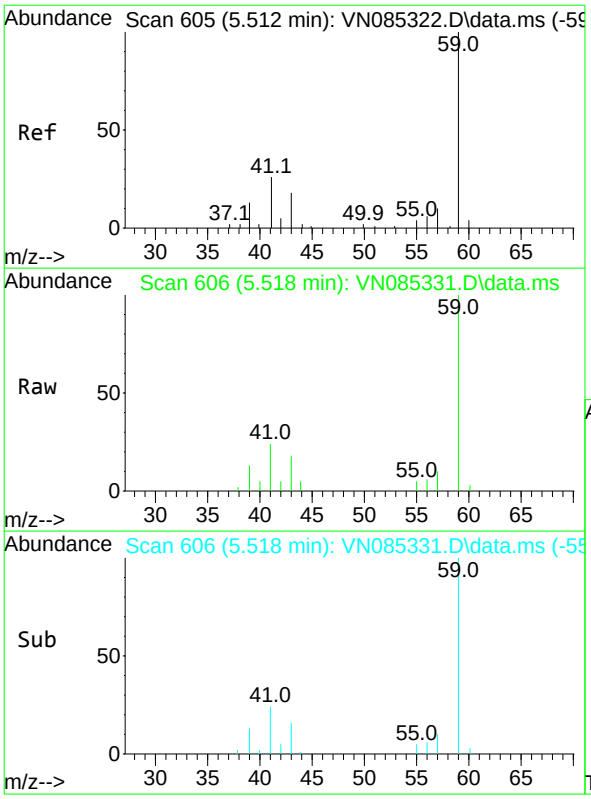


#10
Methyl Iodide
Concen: 19.339 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:142 Resp: 38836

Ion	Ratio	Lower	Upper
142	100		
127	48.3	35.3	52.9
141	12.2	11.5	17.3

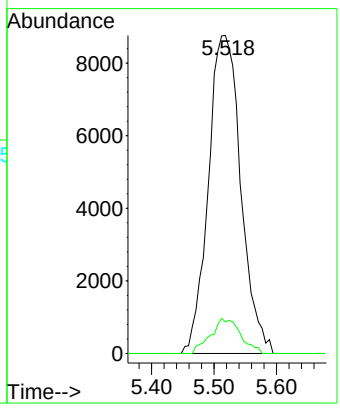




#11
Tert butyl alcohol
Concen: 122.694 ug/l
RT: 5.518 min Scan# 60
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 59 Resp: 31625

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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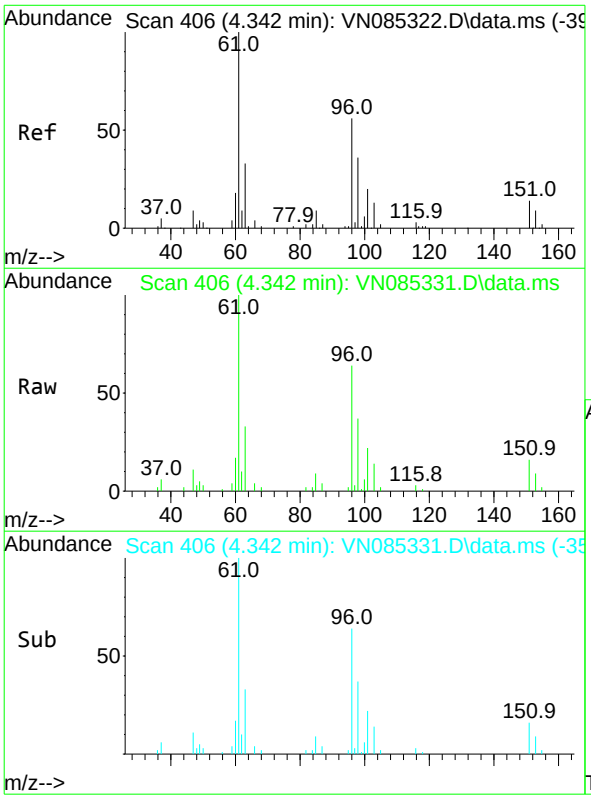
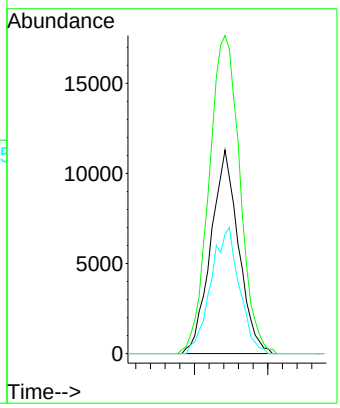
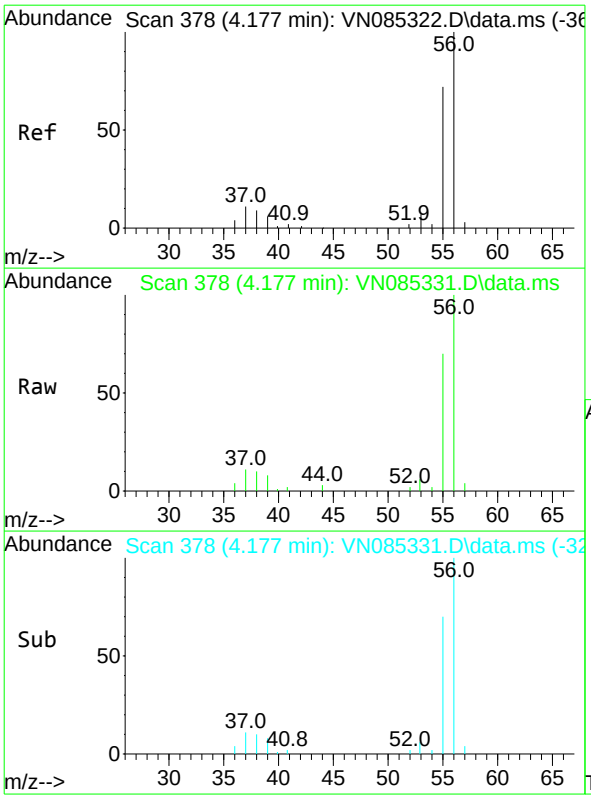


#12
1,1-Dichloroethene
Concen: 18.559 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 96 Resp: 29765

Ion	Ratio	Lower	Upper
96	100		
61	156.3	142.4	213.6
98	58.5	51.5	77.3

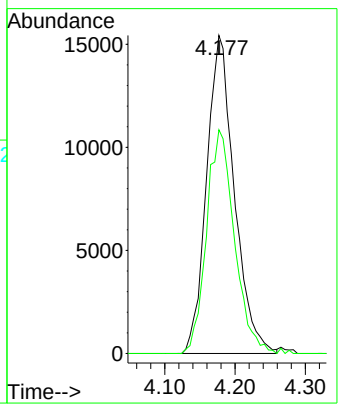




#13
Acrolein
Concen: 105.226 ug/l
RT: 4.177 min Scan# 37
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 56 Resp: 42286

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.5	86.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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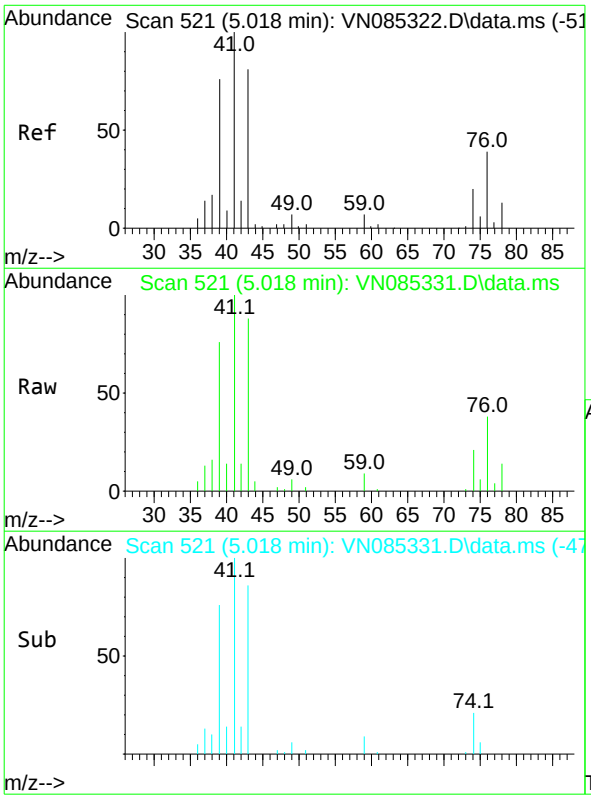
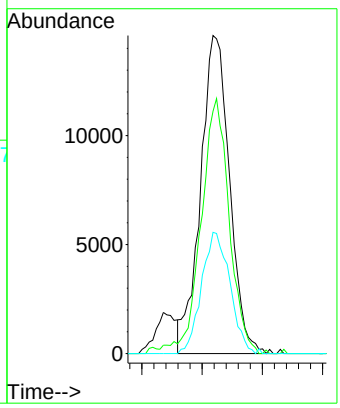
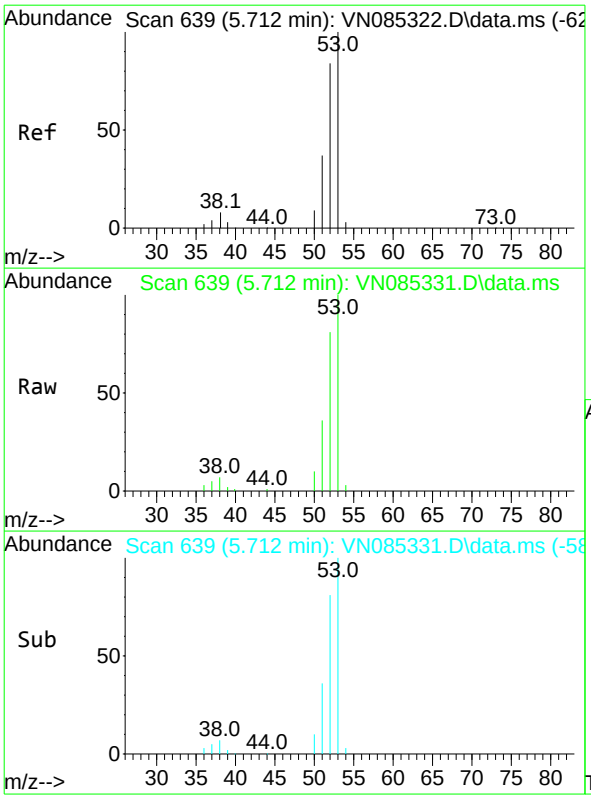


#14
Allyl chloride
Concen: 19.067 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 41 Resp: 48941

Ion	Ratio	Lower	Upper
41	100		
39	77.4	64.4	96.6
76	37.0	31.5	47.3

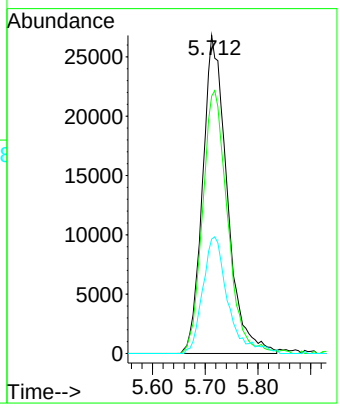




#15
Acrylonitrile
Concen: 106.764 ug/l
RT: 5.712 min Scan# 63
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 53 Resp: 86613

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	37.6	29.6	44.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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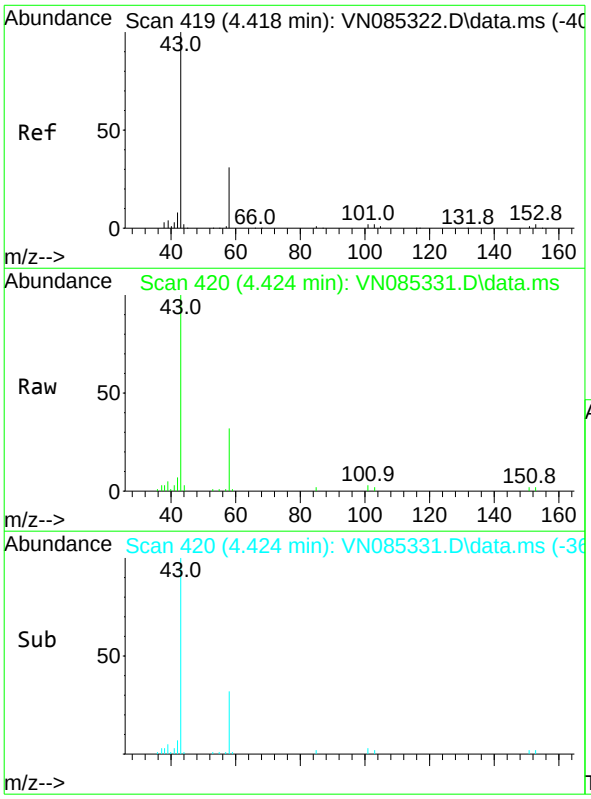
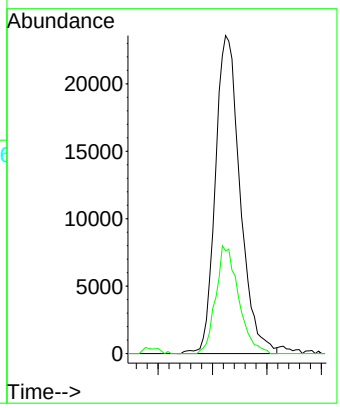
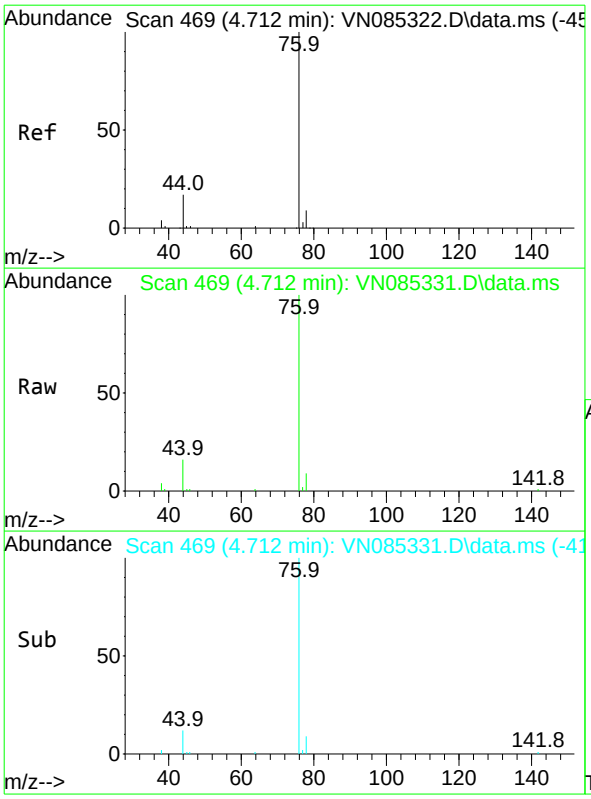


#16
Acetone
Concen: 109.867 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 74365

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.5	36.7

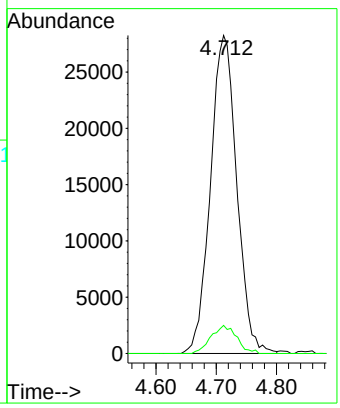




#17
Carbon Disulfide
Concen: 17.574 ug/l
RT: 4.712 min Scan# 46
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 76 Resp: 85742

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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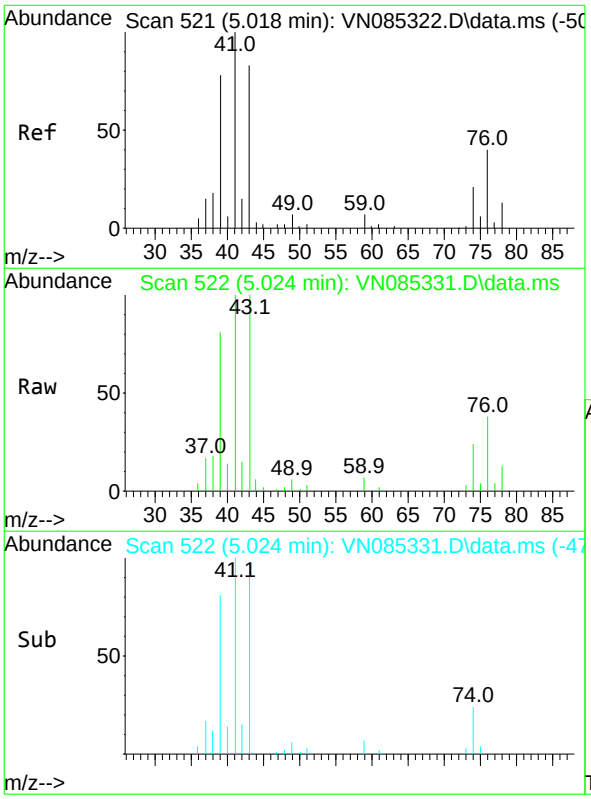
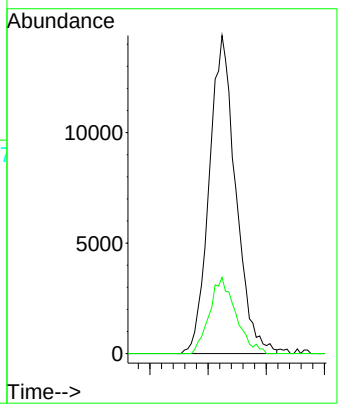
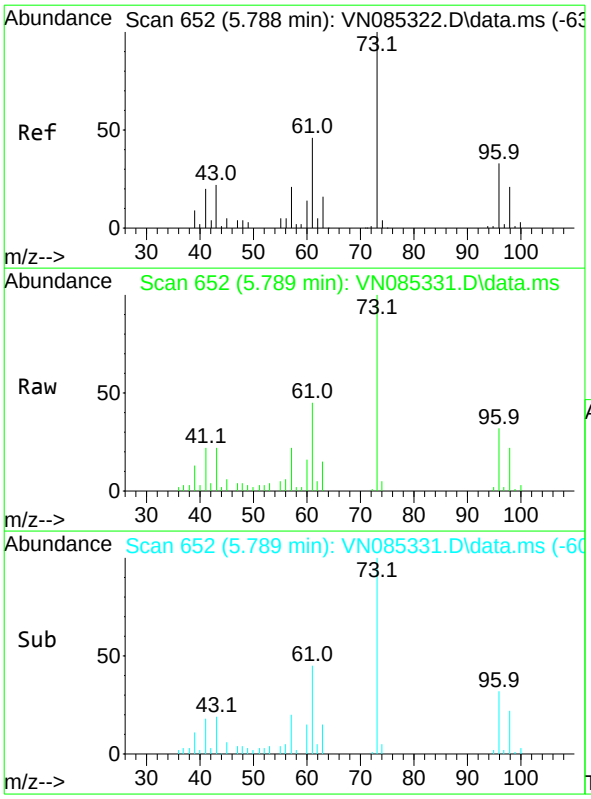


#18
Methyl Acetate
Concen: 22.030 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 45651

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6

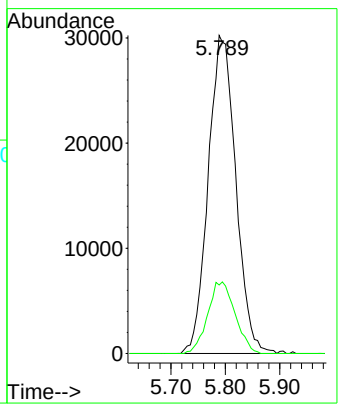




#19
Methyl tert-butyl Ether
Concen: 20.394 ug/l
RT: 5.789 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 73 Resp: 106310

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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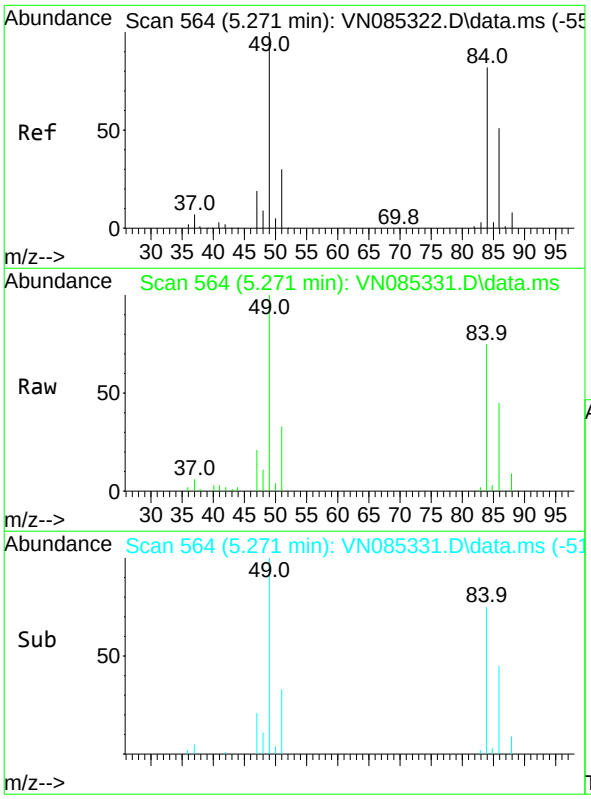
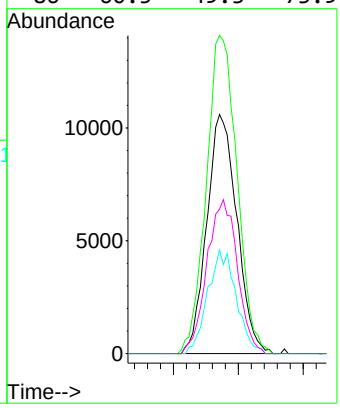
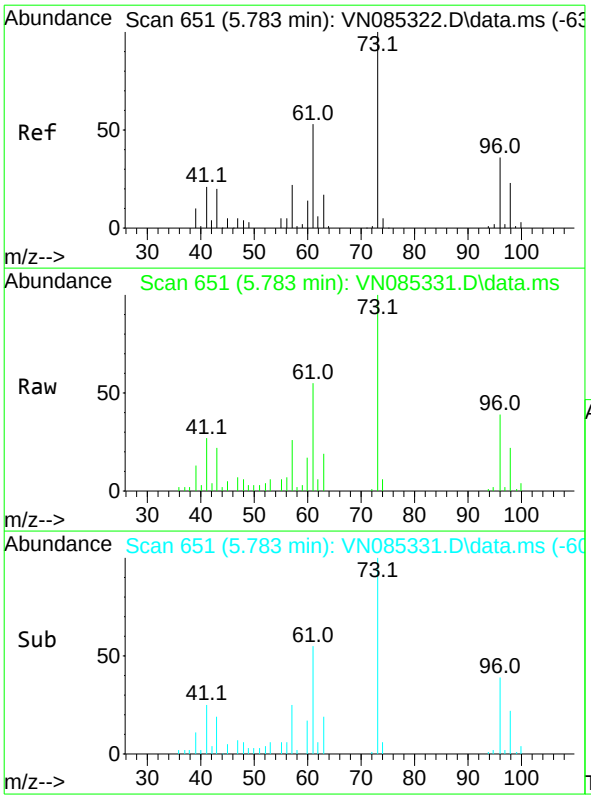


#20
Methylene Chloride
Concen: 18.759 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 84 Resp: 34153

Ion	Ratio	Lower	Upper
84	100		
49	133.0	97.6	146.4
51	43.3	29.1	43.7
86	60.5	49.3	73.9

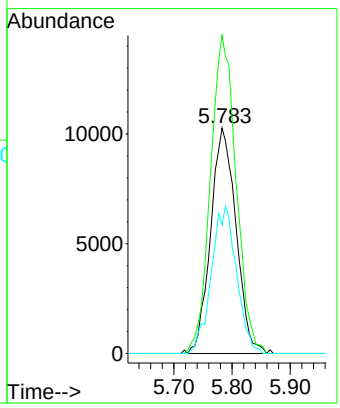




#21
trans-1,2-Dichloroethene
Concen: 18.589 ug/l
RT: 5.783 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 96 Resp: 31142

Ion	Ratio	Lower	Upper
96	100		
61	141.0	118.0	177.0
98	57.1	50.6	75.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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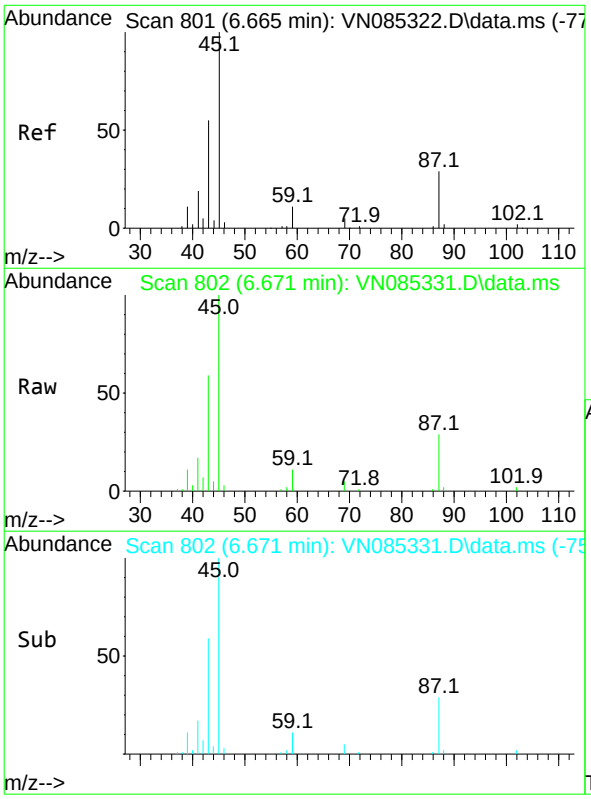
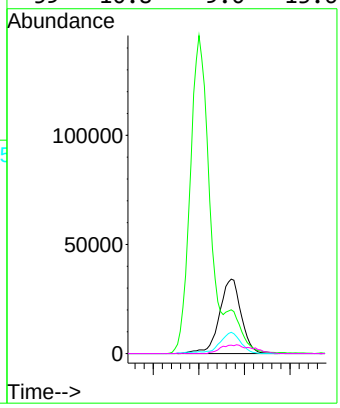
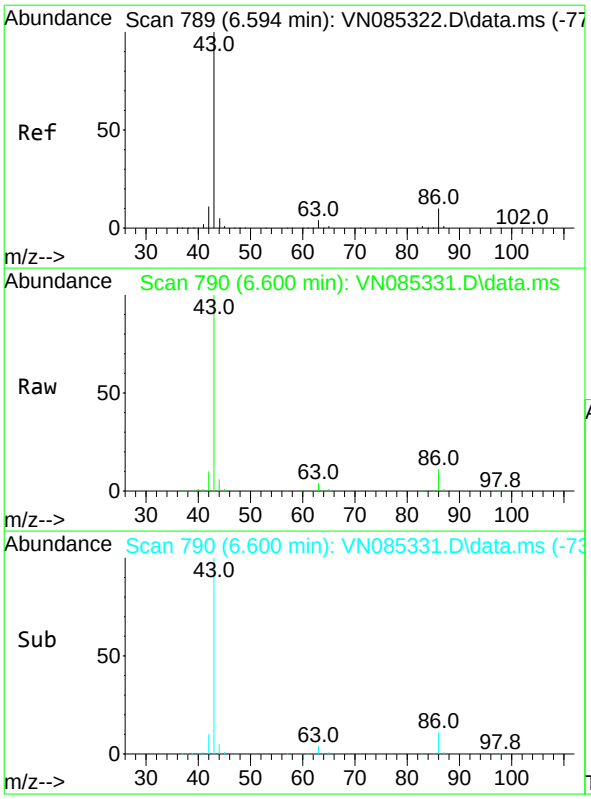


#22
Diisopropyl ether
Concen: 20.407 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 45 Resp: 112873

Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.1	66.1
87	28.6	23.2	34.8
59	10.8	9.0	13.6

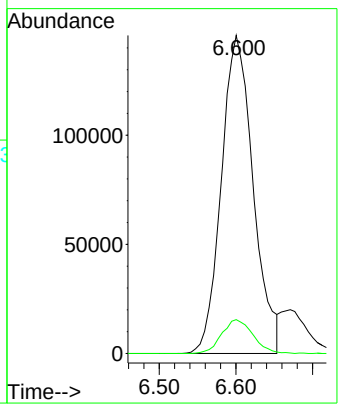




#23
Vinyl Acetate
Concen: 105.120 ug/l
RT: 6.600 min Scan# 79
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 420622

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.0	12.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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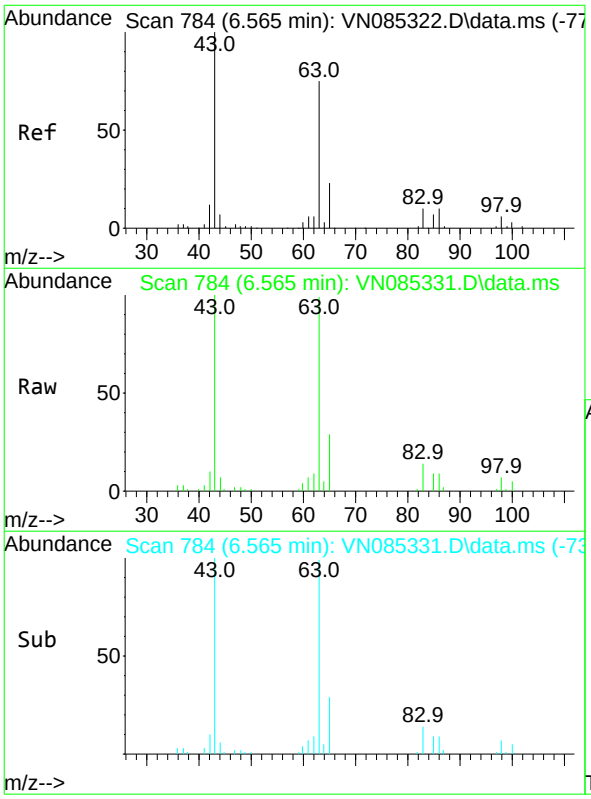
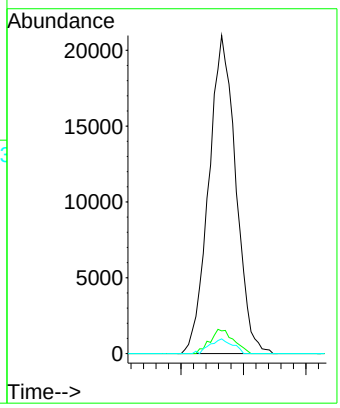
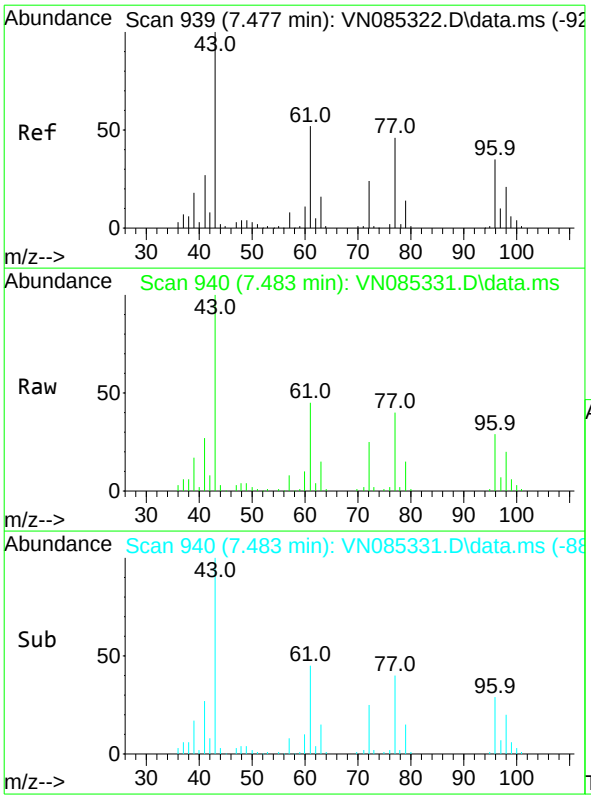


#24
1,1-Dichloroethane
Concen: 18.922 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 63 Resp: 63046

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.6	2.3	6.8

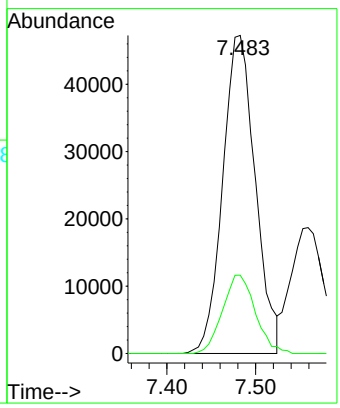




#25
2-Butanone
Concen: 114.877 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 120630

Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.6	29.4



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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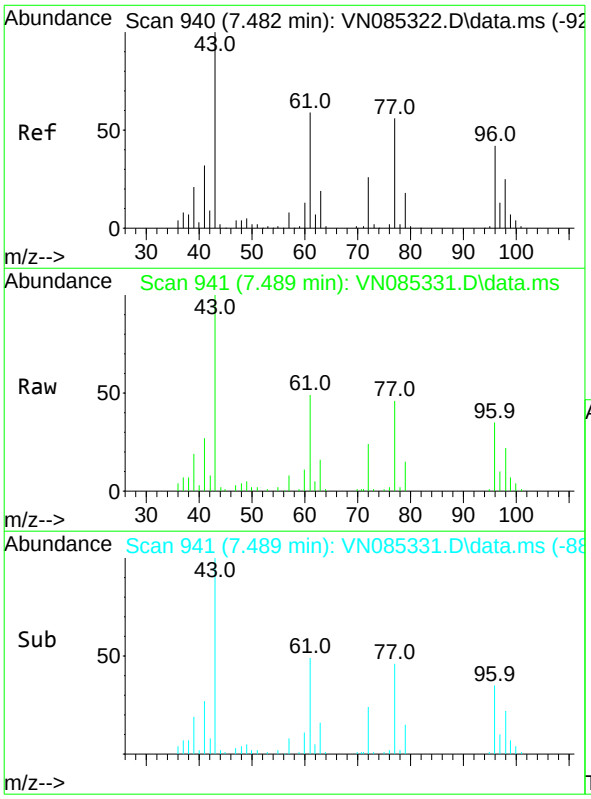
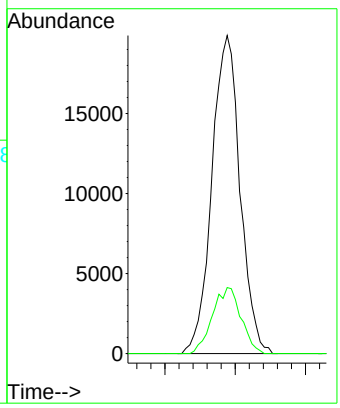
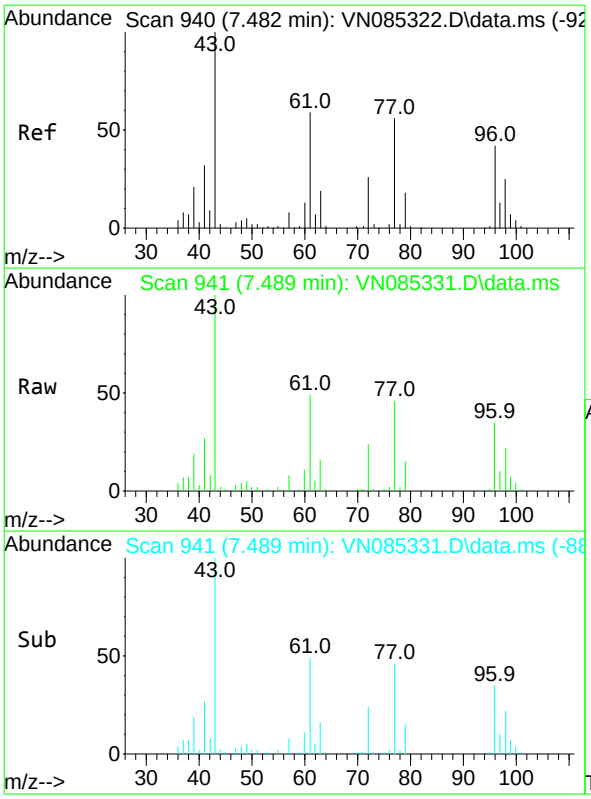


#26
2,2-Dichloropropane
Concen: 18.943 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 77 Resp: 55298

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.6	31.8

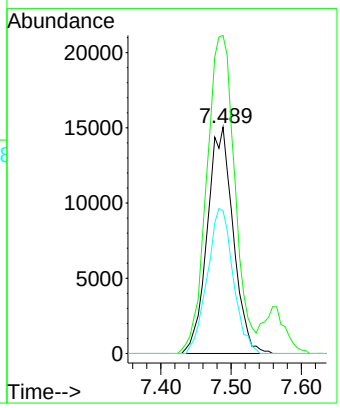




#27
cis-1,2-Dichloroethene
Concen: 19.575 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 96 Resp: 38491

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	296.4
98	64.0	0.0	124.2



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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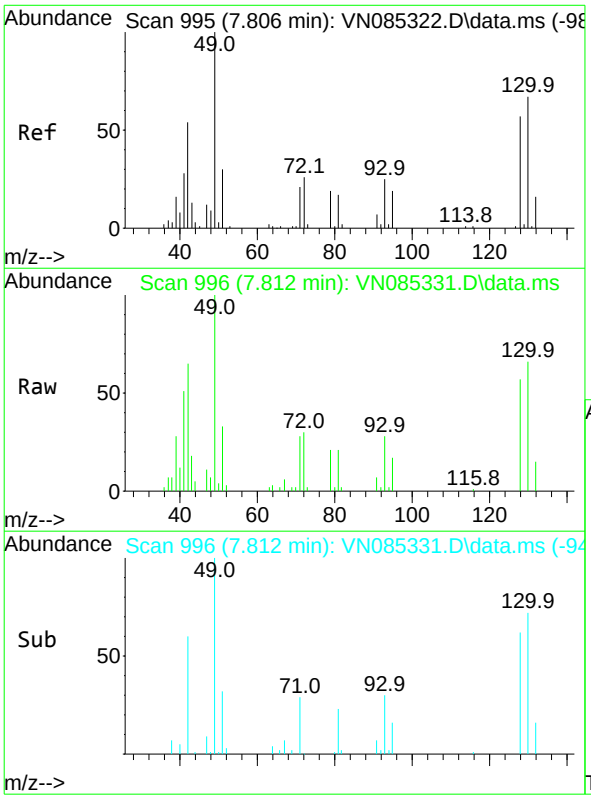
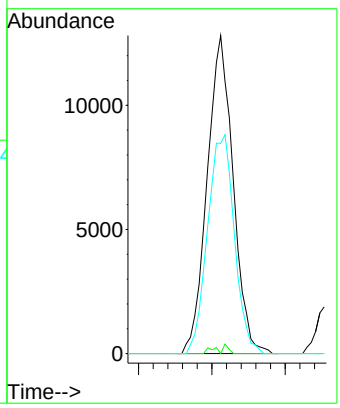
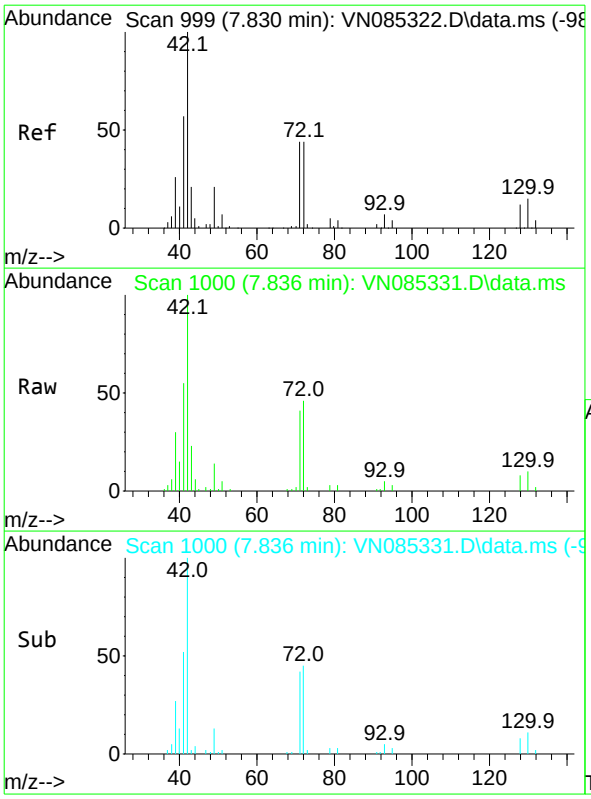


#28
Bromochloromethane
Concen: 20.342 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 49 Resp: 31497

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.0
130	71.0	0.0	0.0#

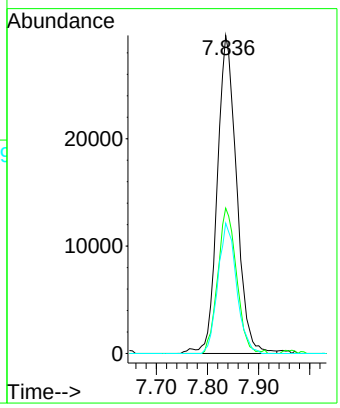




#29
Tetrahydrofuran
Concen: 114.648 ug/l
RT: 7.836 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 42 Resp: 77549

Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.1	52.7
71	39.6	33.4	50.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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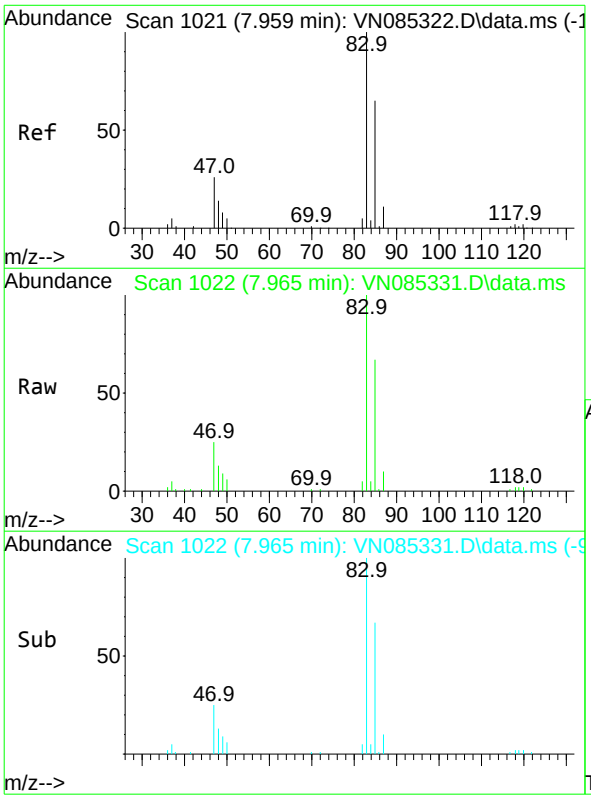
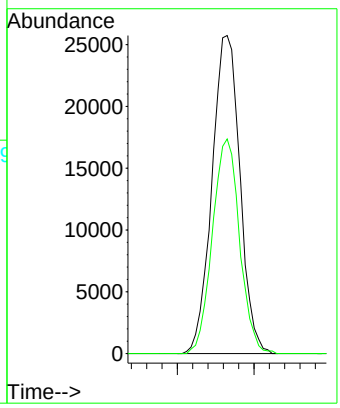
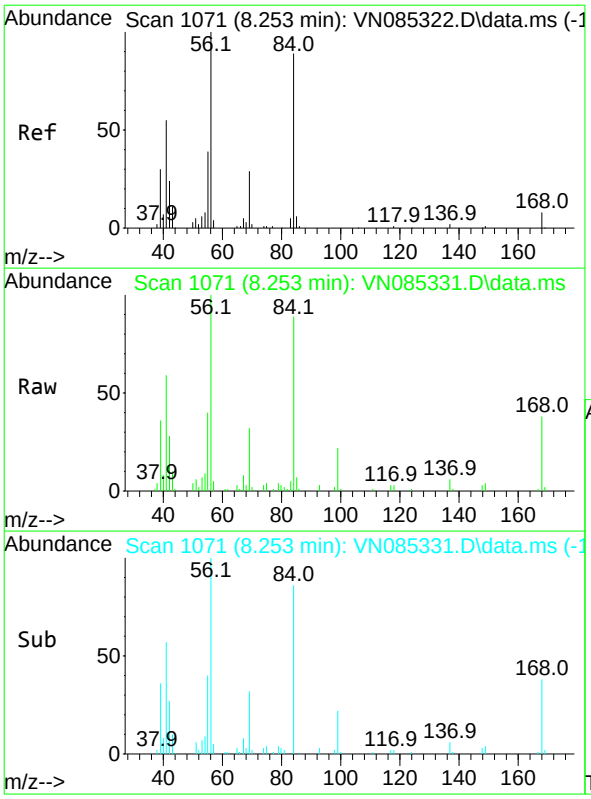


#30
Chloroform
Concen: 19.116 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 83 Resp: 65160

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.0	78.0

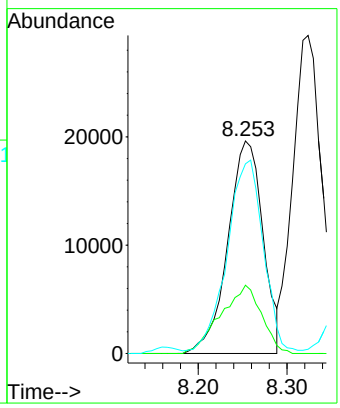




#31
Cyclohexane
Concen: 17.744 ug/l
RT: 8.253 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 56 Resp: 53985

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.4	35.0
84	87.4	71.0	106.6



Instrument :
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ClientSampleId :
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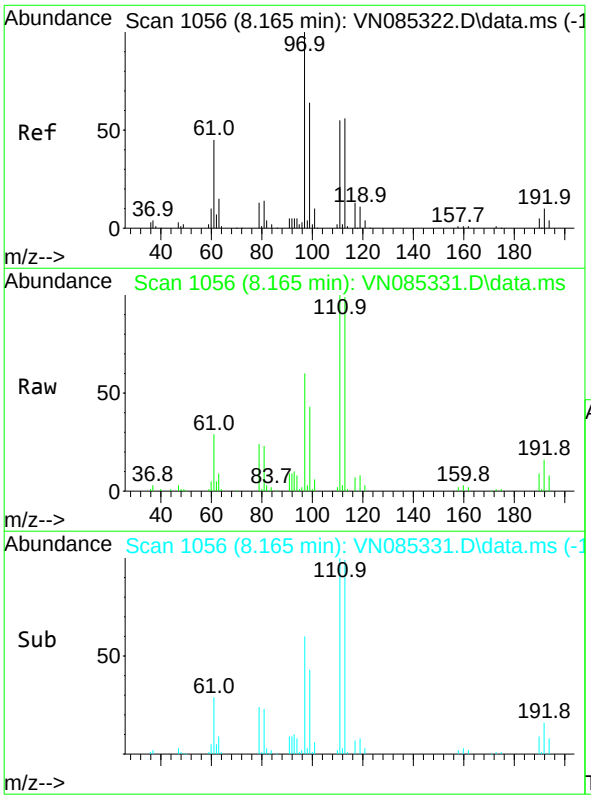
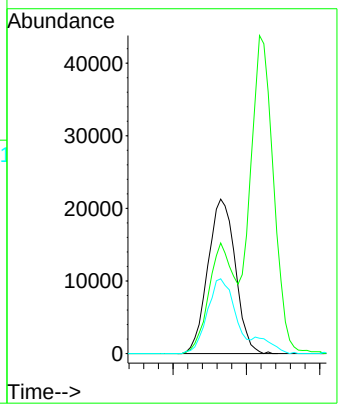
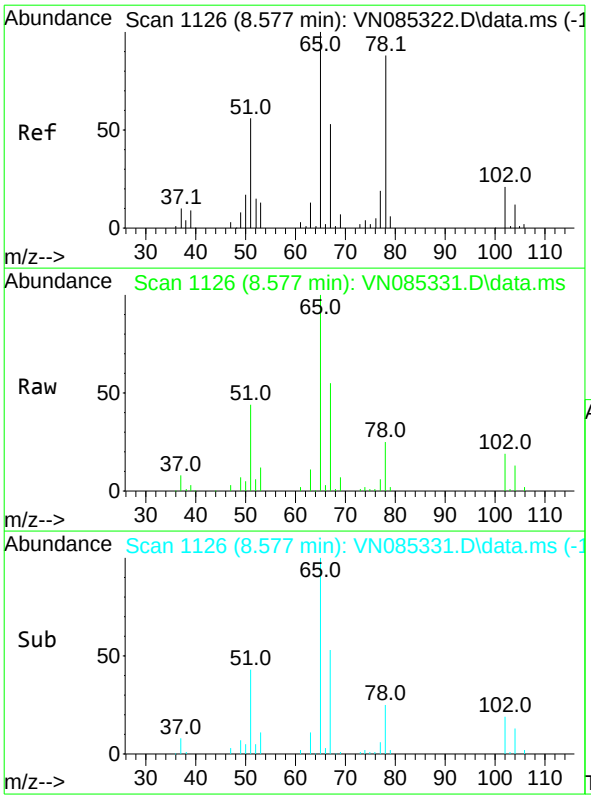


#32
1,1,1-Trichloroethane
Concen: 18.160 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 97 Resp: 55283

Ion	Ratio	Lower	Upper
97	100		
99	65.8	53.3	79.9
61	49.3	39.6	59.4

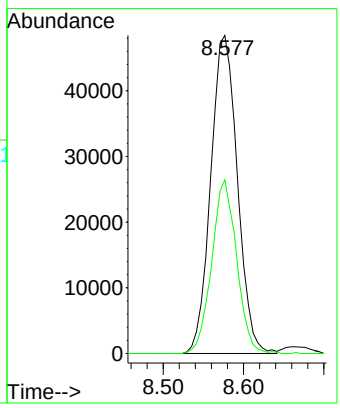




#33
1,2-Dichloroethane-d4
Concen: 54.248 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 65 Resp: 111665

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.0



Instrument :
MSVOA_N
ClientSampleId :
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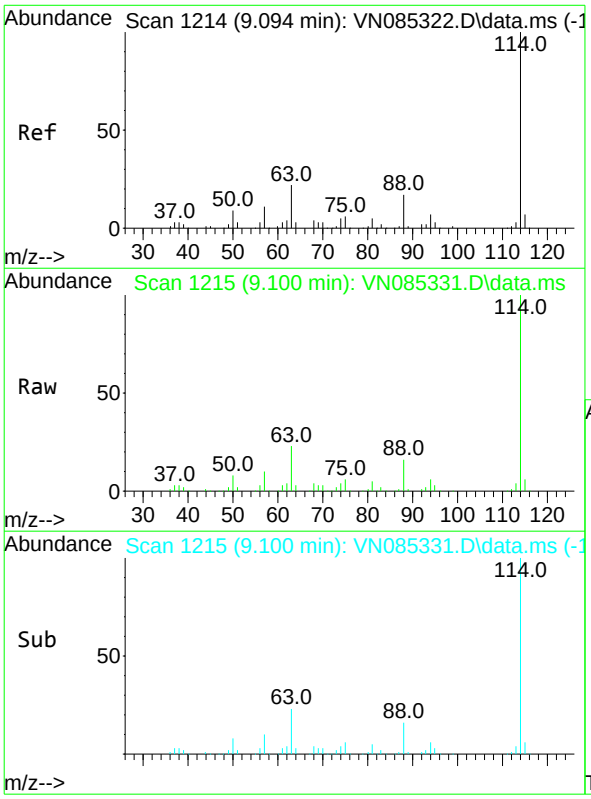
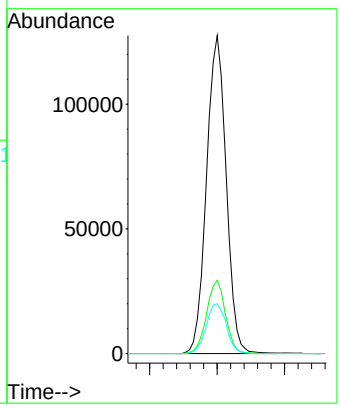
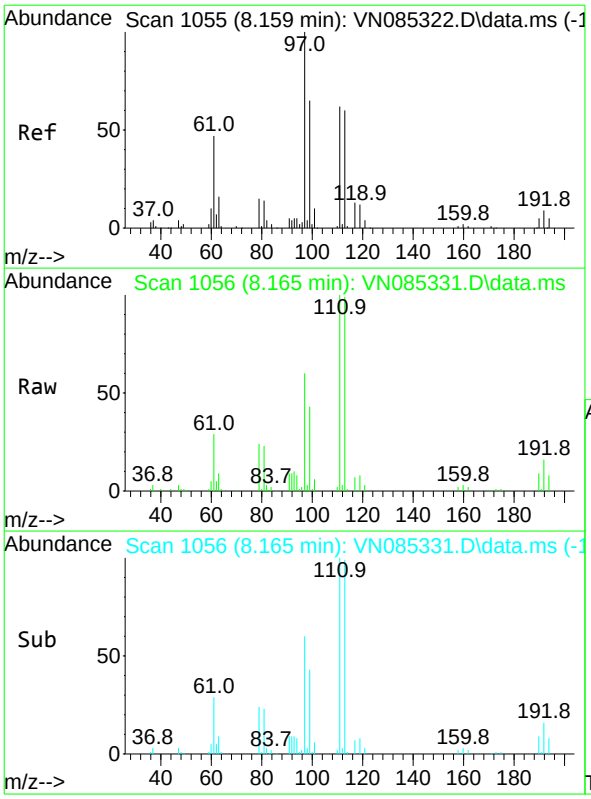


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:114 Resp: 258119

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	43.4
88	15.7	0.0	33.6

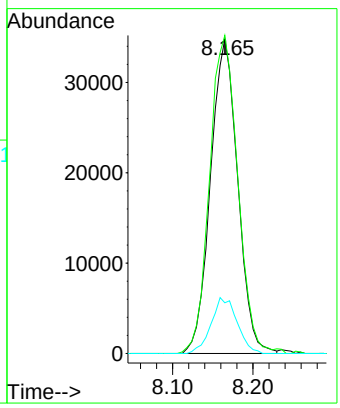




#35
Dibromofluoromethane
Concen: 50.827 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:113 Resp: 81846

Ion	Ratio	Lower	Upper
113	100		
111	105.0	80.5	120.7
192	17.0	12.9	19.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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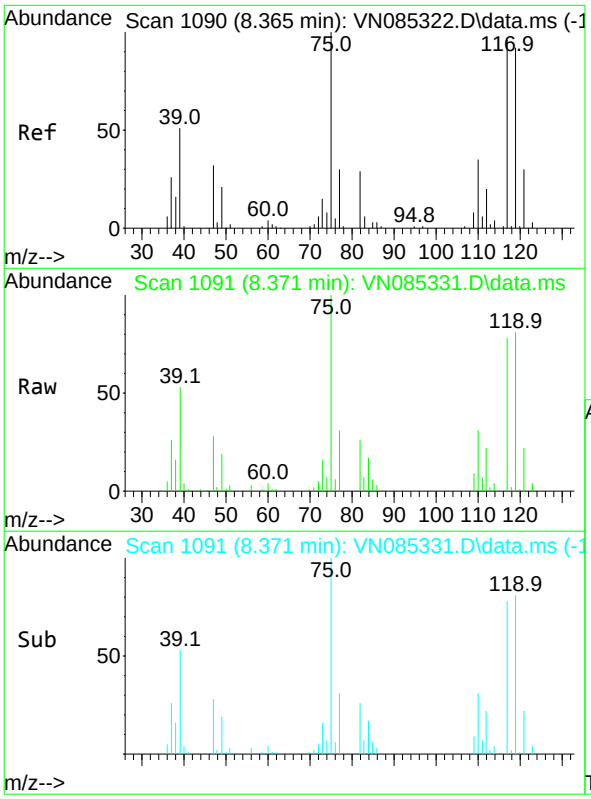
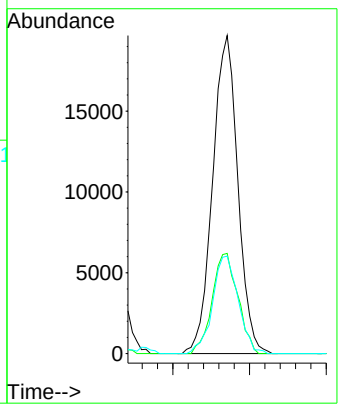
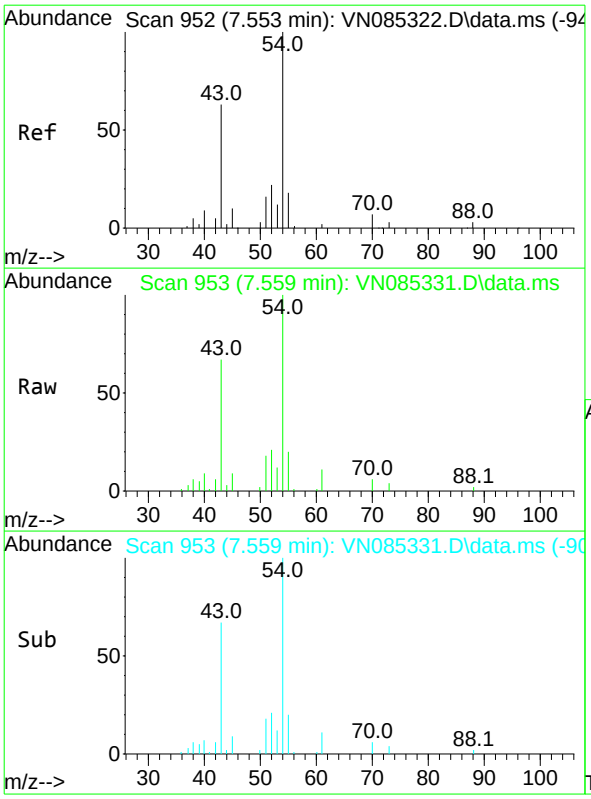


#36
1,1-Dichloropropene
Concen: 19.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 44914

Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.6	49.8
77	31.2	24.3	36.5

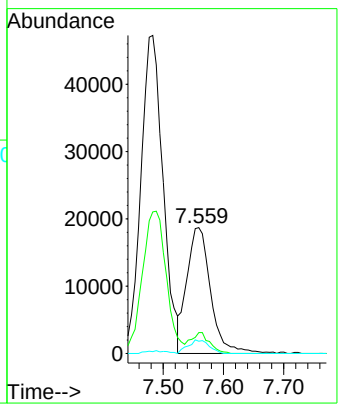




#37
Ethyl Acetate
Concen: 21.977 ug/l
RT: 7.559 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 51502

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	8.2	12.2



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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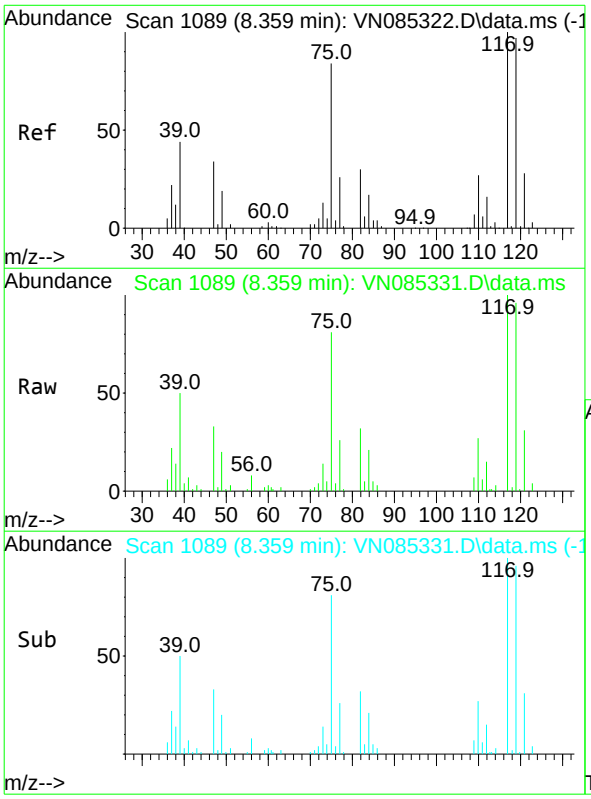
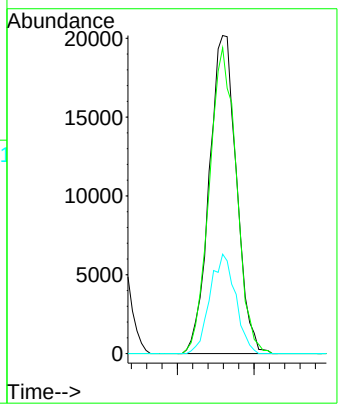
Supervised By :Mahesh Dadoda 12/30/2024

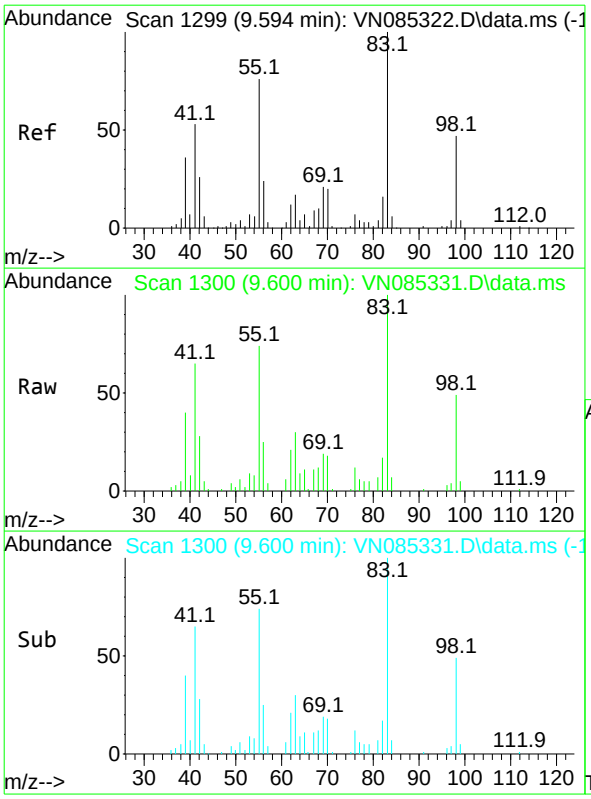


#38
Carbon Tetrachloride
Concen: 19.305 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:117 Resp: 49612

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.6
121	31.3	22.5	33.7

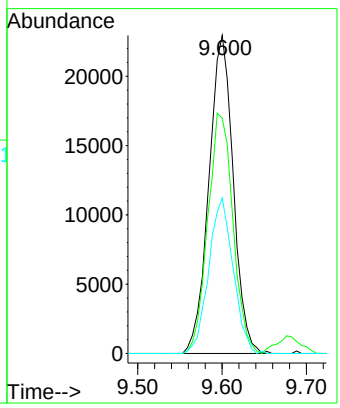




#39
Methylcyclohexane
Concen: 18.807 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 83 Resp: 46006

Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.7	91.1
98	48.9	37.7	56.5



Instrument :
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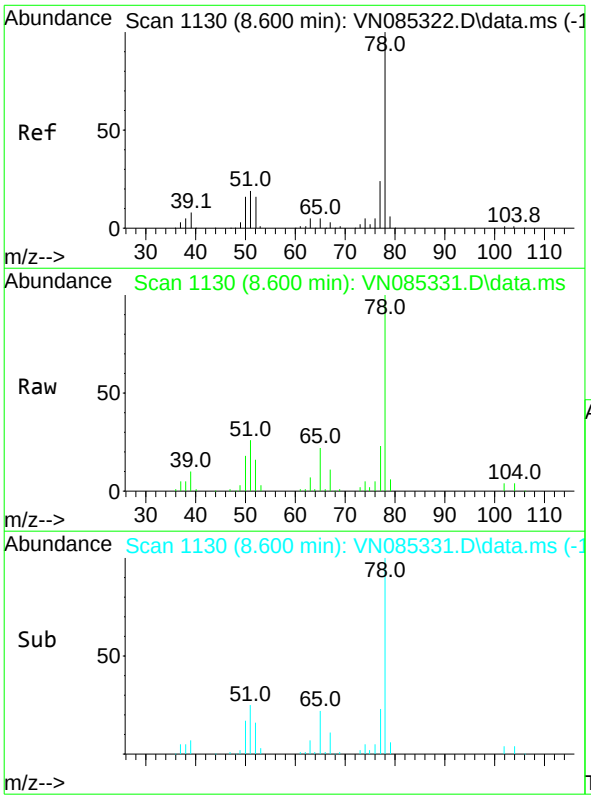
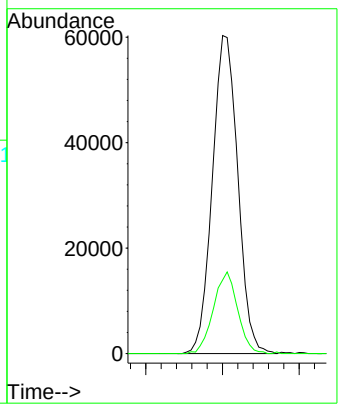
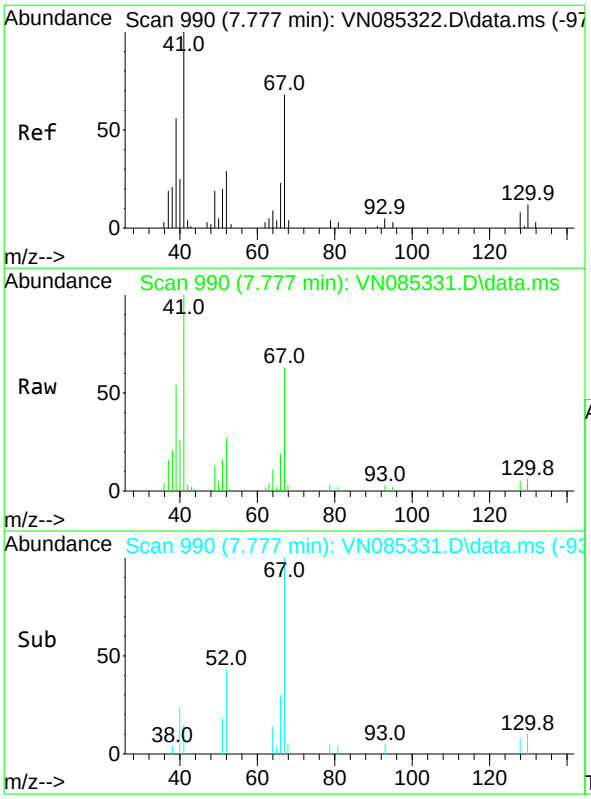


#40
Benzene
Concen: 19.501 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 78 Resp: 139012

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4

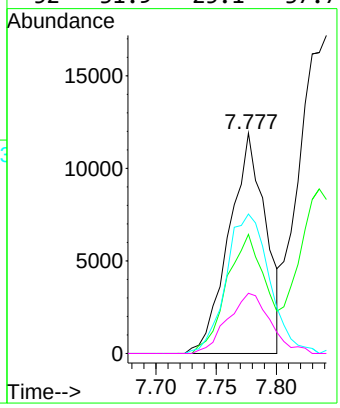




#41
Methacrylonitrile
Concen: 20.971 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 41 Resp: 25169

Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.8	68.8
67	75.1	57.1	85.7
52	31.9	25.1	37.7



Instrument :
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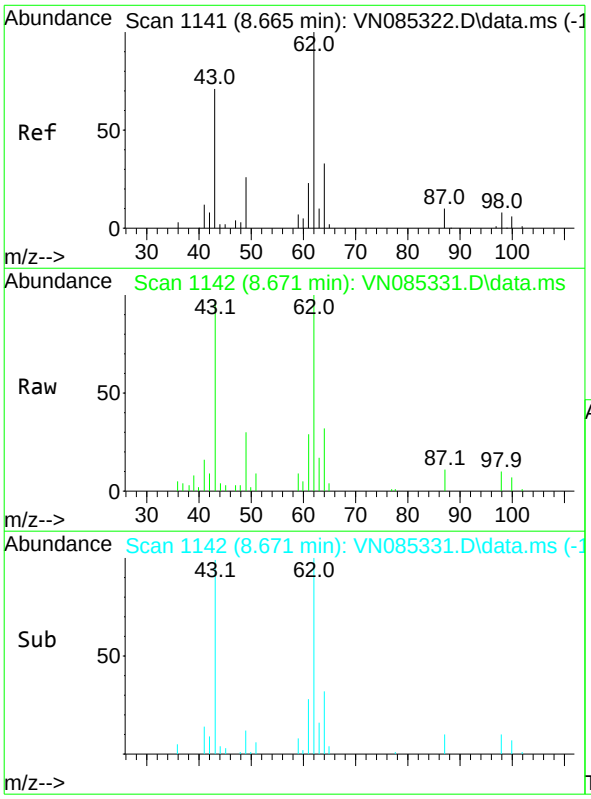
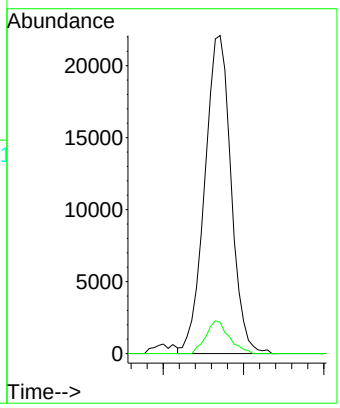
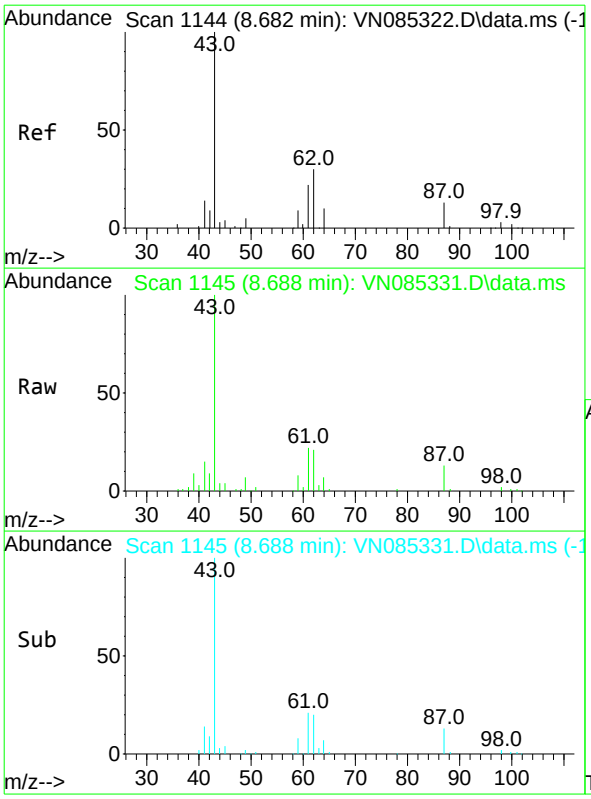


#42
1,2-Dichloroethane
Concen: 19.684 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 62 Resp: 50307

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6

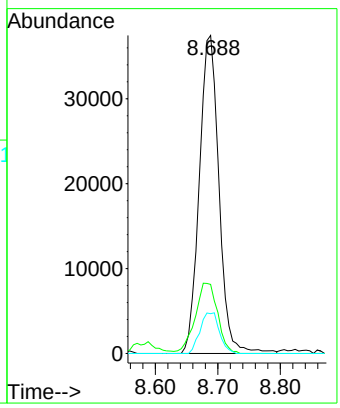




#43
Isopropyl Acetate
Concen: 21.225 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 81902

Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.8	31.2
87	12.6	10.2	15.4



Instrument :
MSVOA_N
ClientSampleId :
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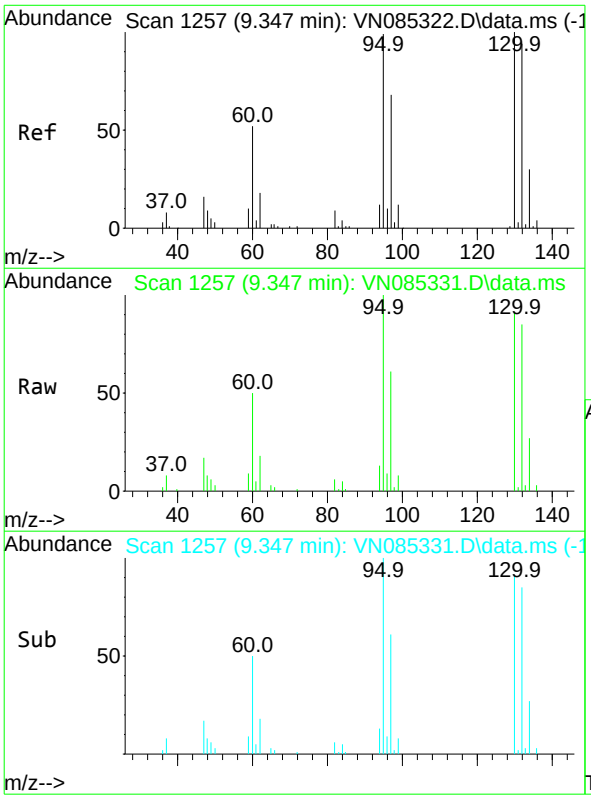
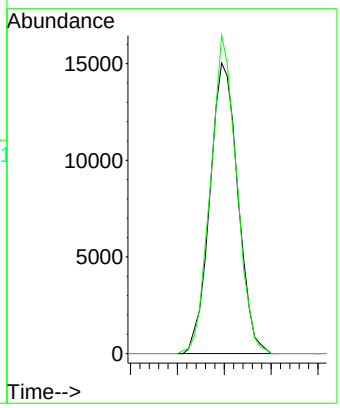
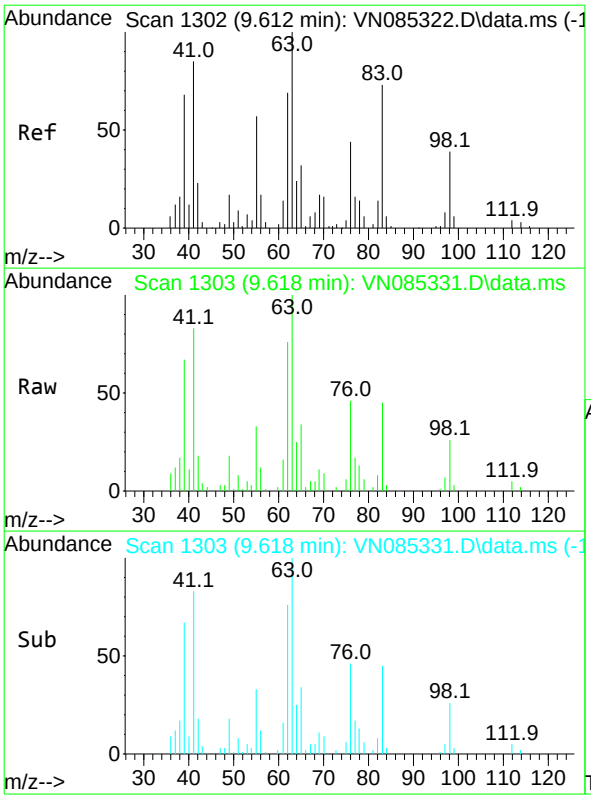


#44
Trichloroethene
Concen: 18.479 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:130 Resp: 31187

Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	197.8

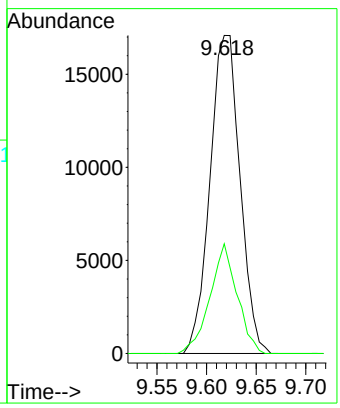




#45
1,2-Dichloropropane
Concen: 19.896 ug/l
RT: 9.618 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 63 Resp: 36004

Ion	Ratio	Lower	Upper
63	100		
65	34.5	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
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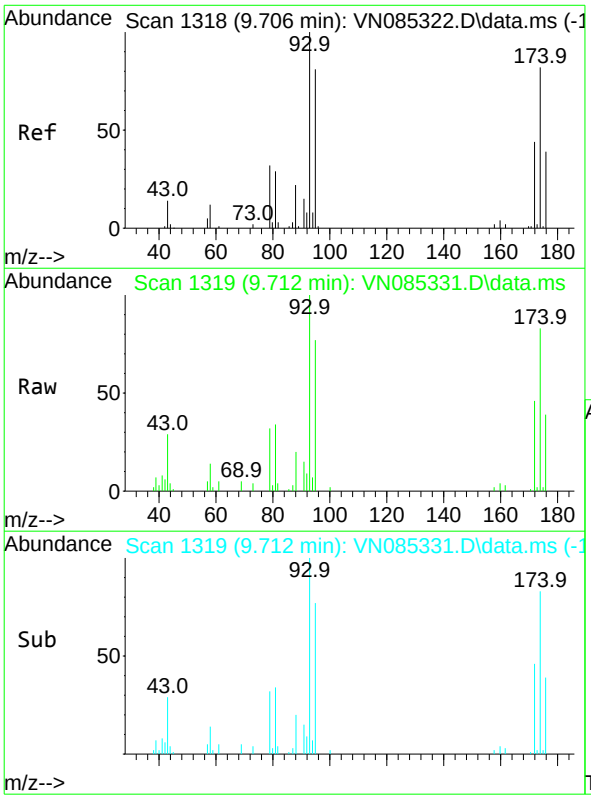
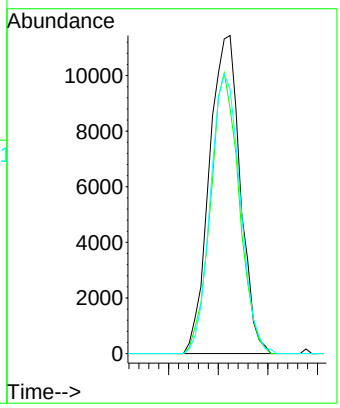
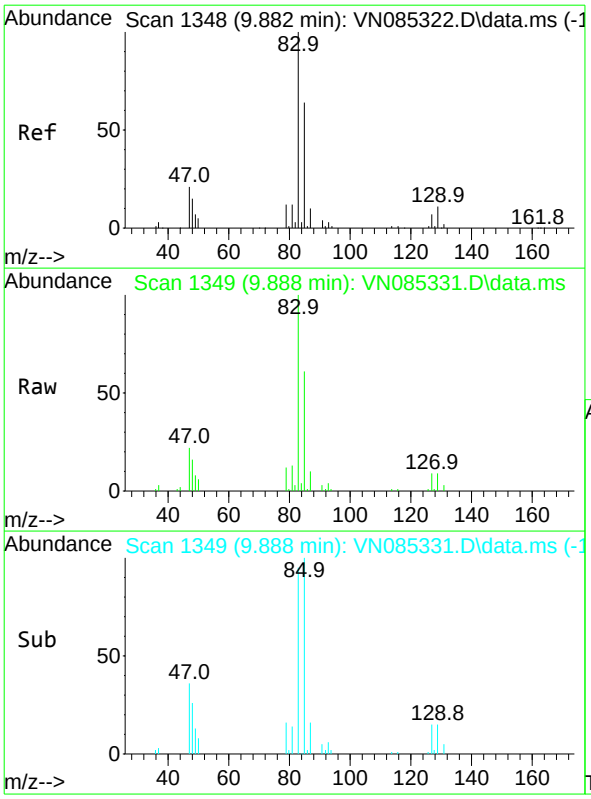


#46
Dibromomethane
Concen: 19.639 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 93 Resp: 24716

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.3	97.9
174	84.8	66.4	99.6

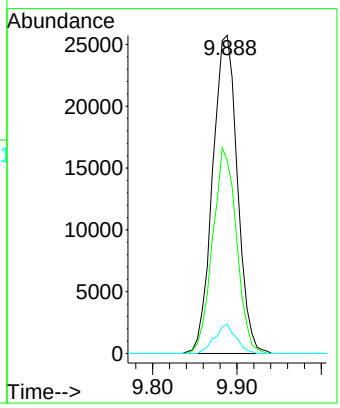




#47
Bromodichloromethane
Concen: 20.090 ug/l
RT: 9.888 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 83 Resp: 52551

Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.0	76.4
127	9.2	5.8	8.6#



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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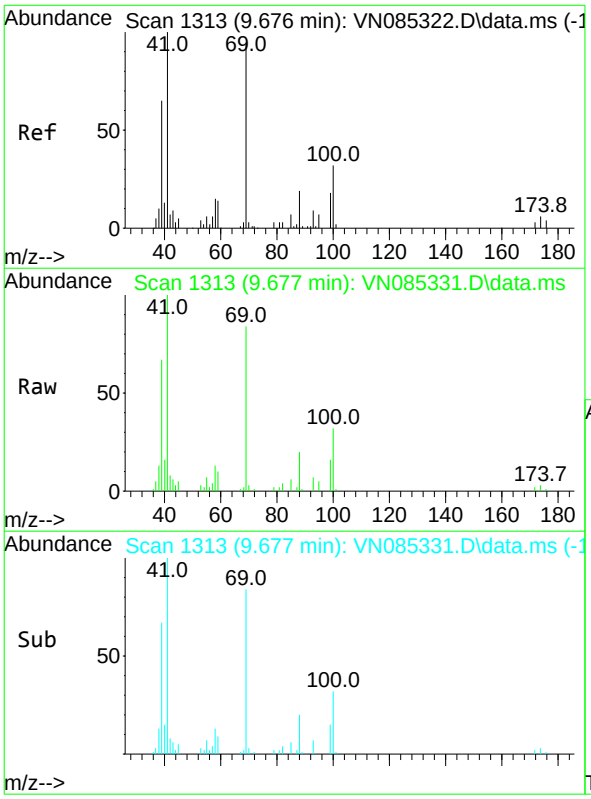
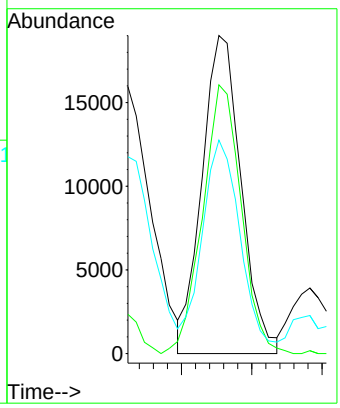
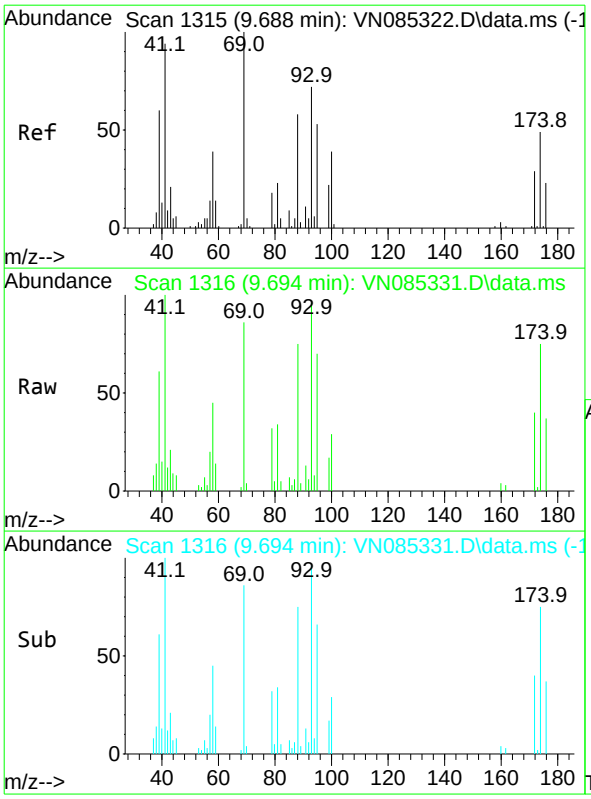


#48
Methyl methacrylate
Concen: 21.968 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 41 Resp: 36782

Ion	Ratio	Lower	Upper
41	100		
69	83.0	67.7	101.5
39	66.1	51.2	76.8

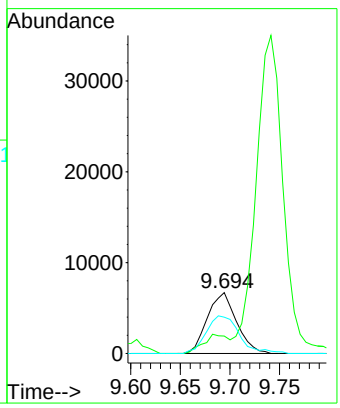




#49
1,4-Dioxane
Concen: 541.163 ug/l
RT: 9.694 min Scan# 13
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 88 Resp: 13671

Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.1	33.1
58	70.4	56.7	85.1



Instrument :
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ClientSampleId :
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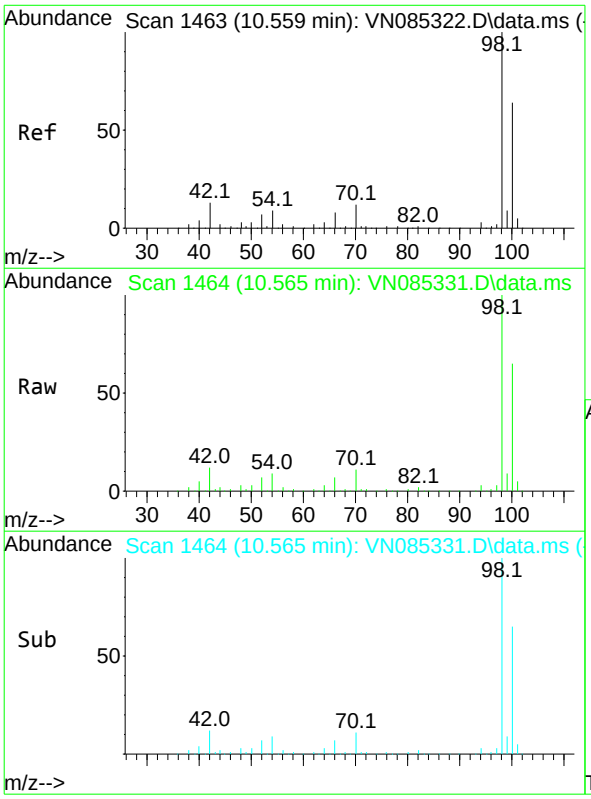
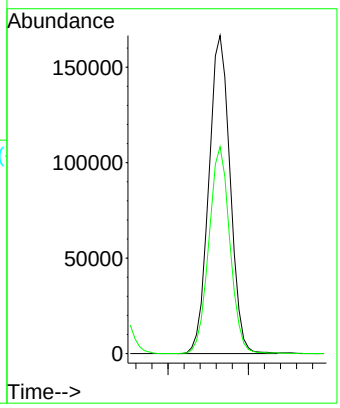
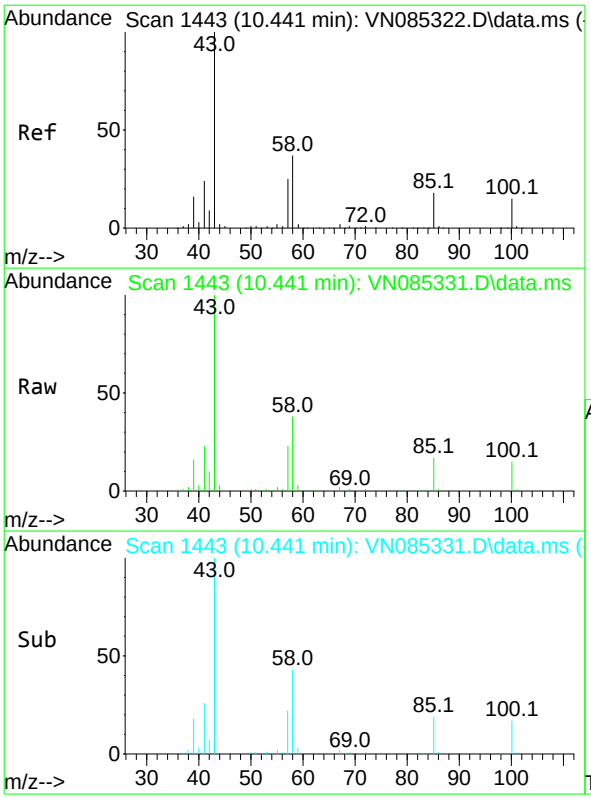


#50
Toluene-d8
Concen: 51.858 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 98 Resp: 306433

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3

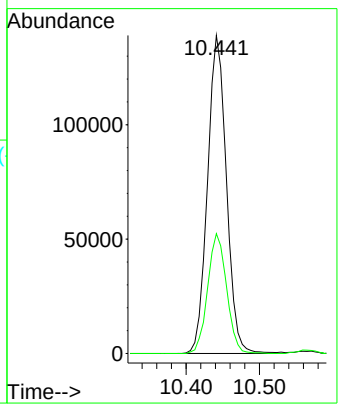




#51
4-Methyl-2-Pentanone
Concen: 114.650 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 248614

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5



Instrument :
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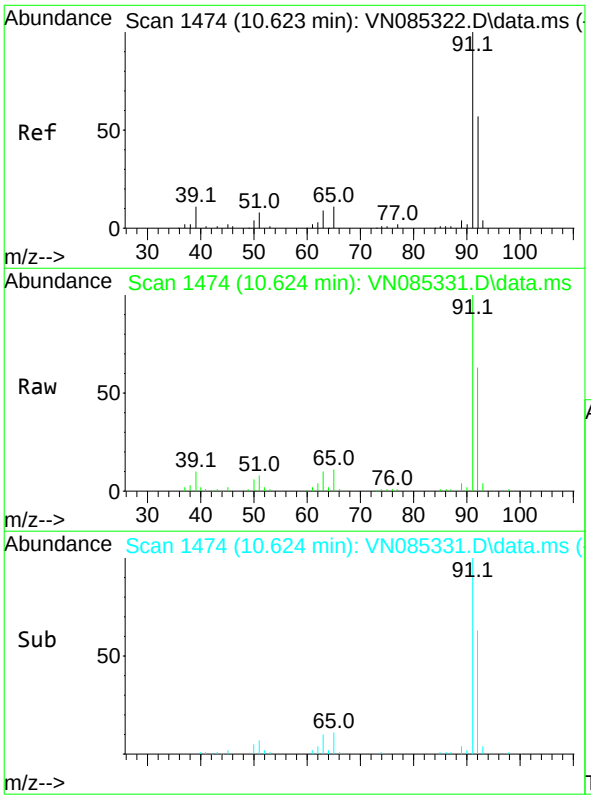
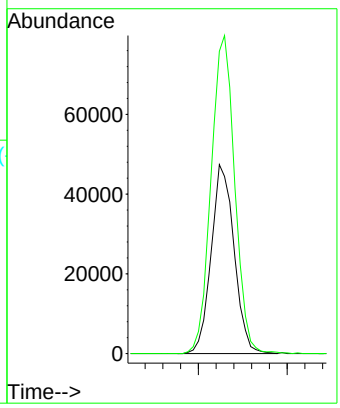
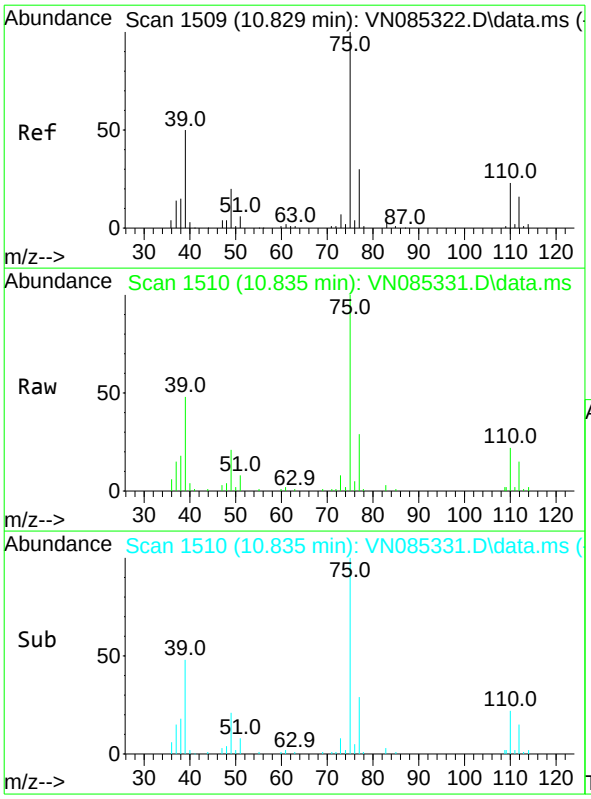


#52
Toluene
Concen: 20.033 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 92 Resp: 85029

Ion	Ratio	Lower	Upper
92	100		
91	173.5	140.2	210.4

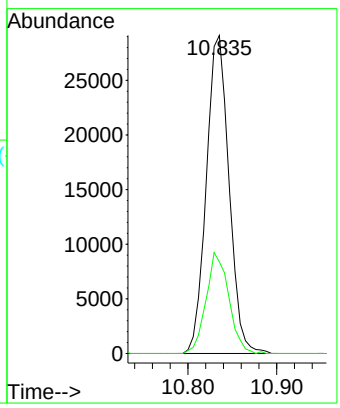




#53
t-1,3-Dichloropropene
Concen: 20.101 ug/l
RT: 10.835 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 51708

Ion	Ratio	Lower	Upper
75	100		
77	28.8	23.8	35.6



Instrument :
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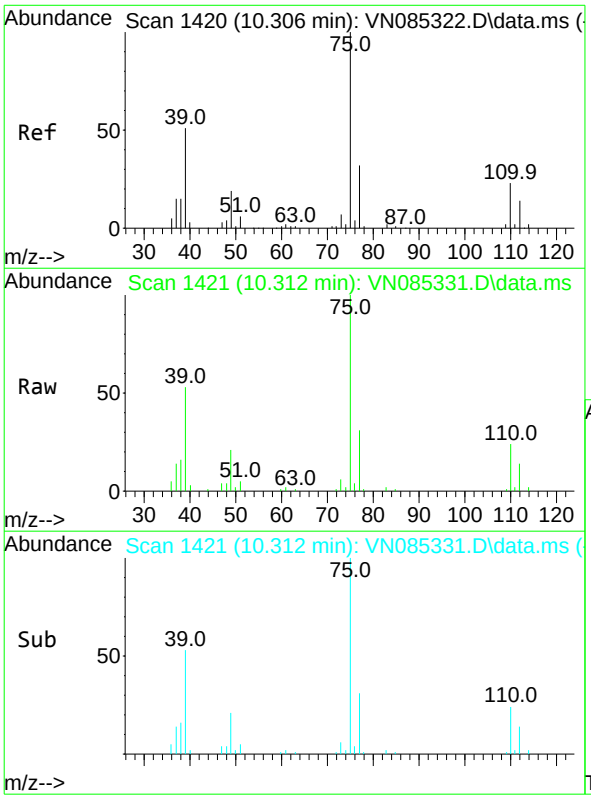
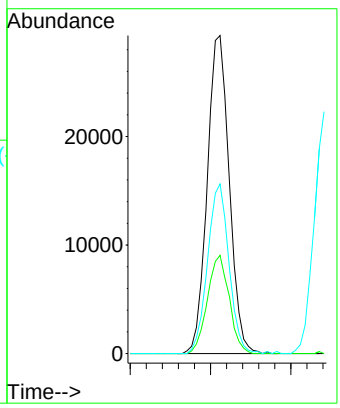
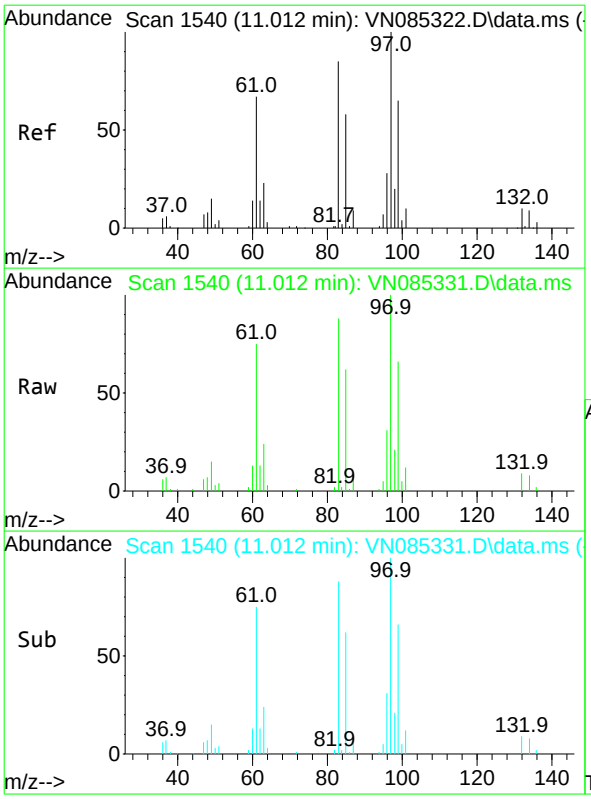


#54
cis-1,3-Dichloropropene
Concen: 20.042 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 55748

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	53.3	40.5	60.7

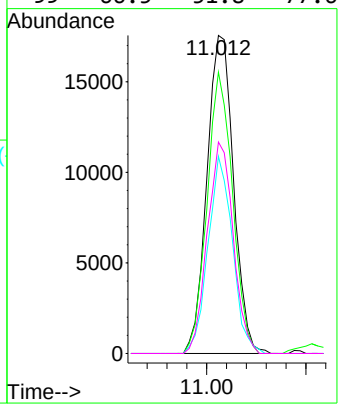




#55
1,1,2-Trichloroethane
Concen: 20.437 ug/l
RT: 11.012 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 97 Resp: 32750

Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.7	101.5
85	62.0	46.2	69.4
99	66.5	51.8	77.6



Instrument :
MSVOA_N
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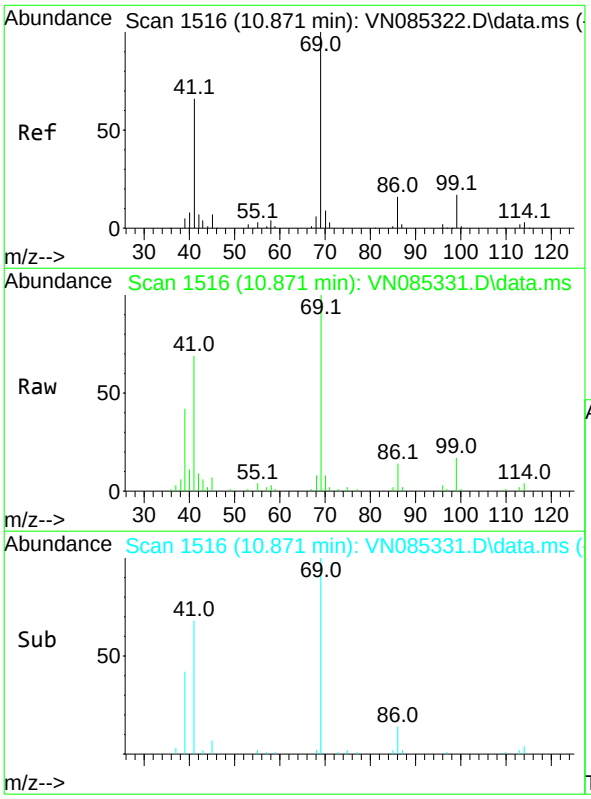
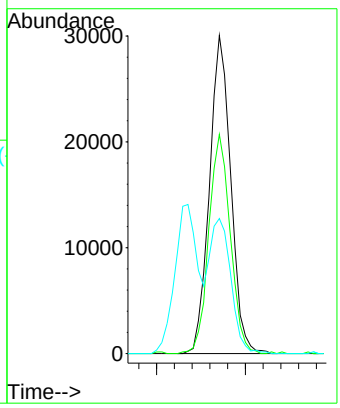
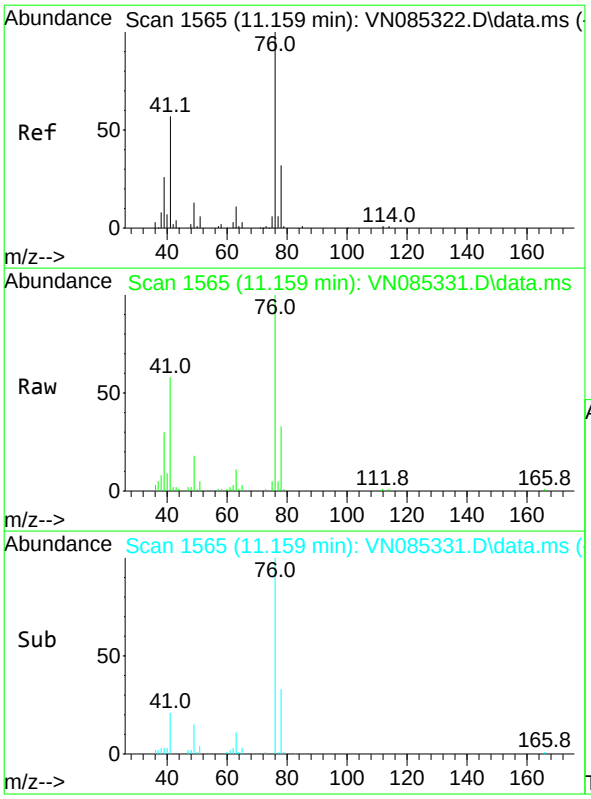


#56
Ethyl methacrylate
Concen: 21.484 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 69 Resp: 50141

Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.3	81.5
39	42.8	32.0	48.0

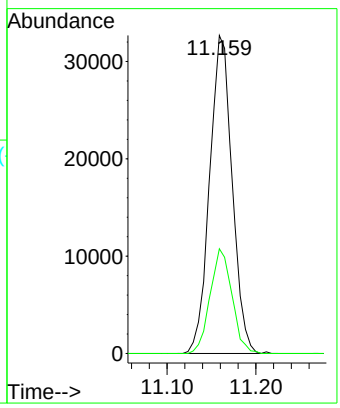




#57
1,3-Dichloropropane
Concen: 20.463 ug/l
RT: 11.159 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 76 Resp: 57554

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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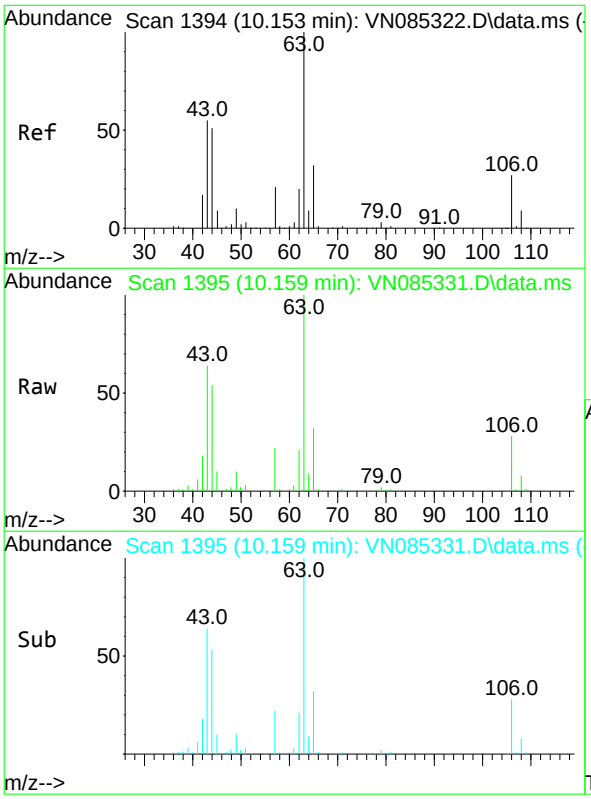
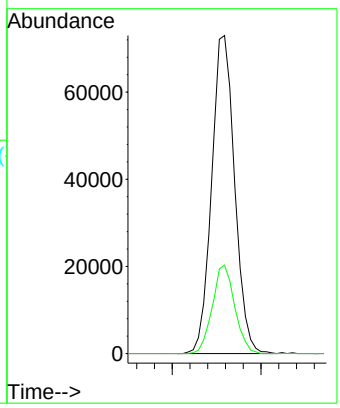
Supervised By :Mahesh Dadoda 12/30/2024

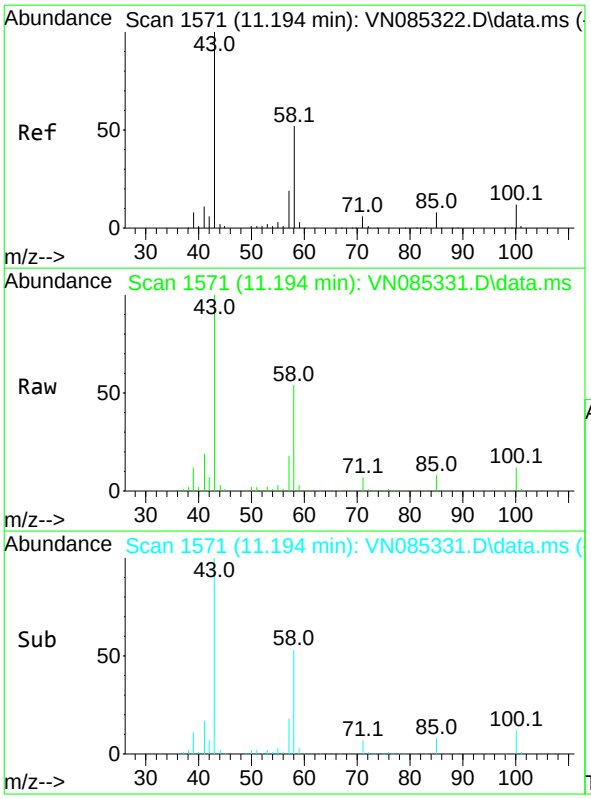


#58
2-Chloroethyl Vinyl ether
Concen: 116.170 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 63 Resp: 131176

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1

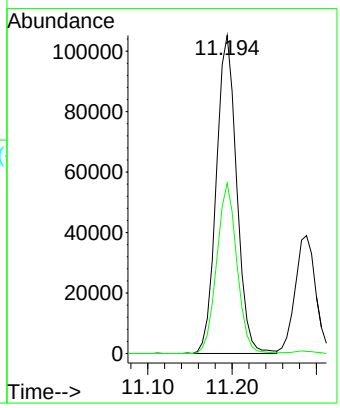




#59
2-Hexanone
Concen: 117.338 ug/l
RT: 11.194 min Scan# 15
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 176533

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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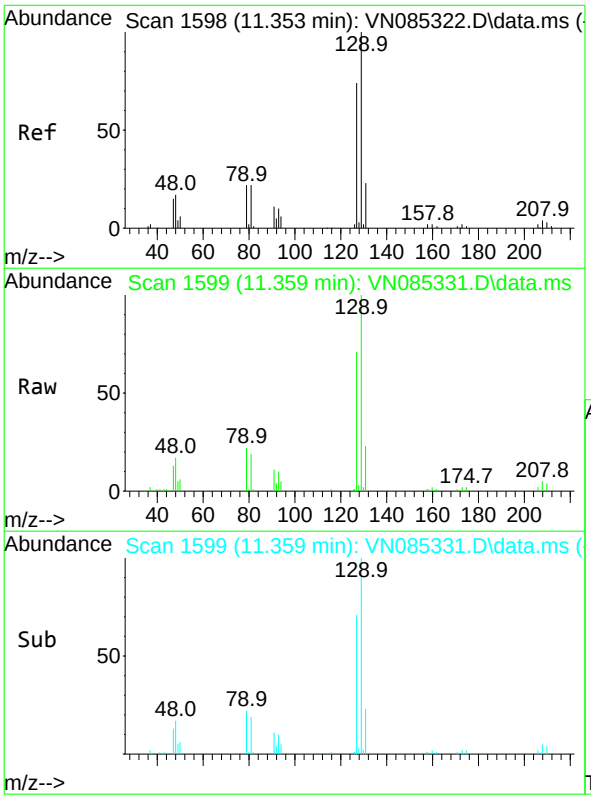
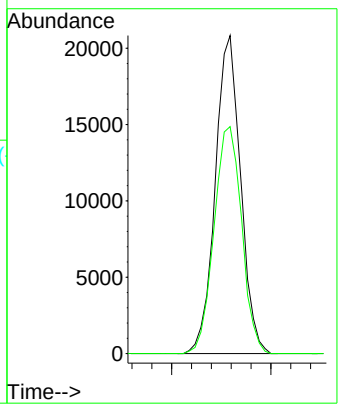
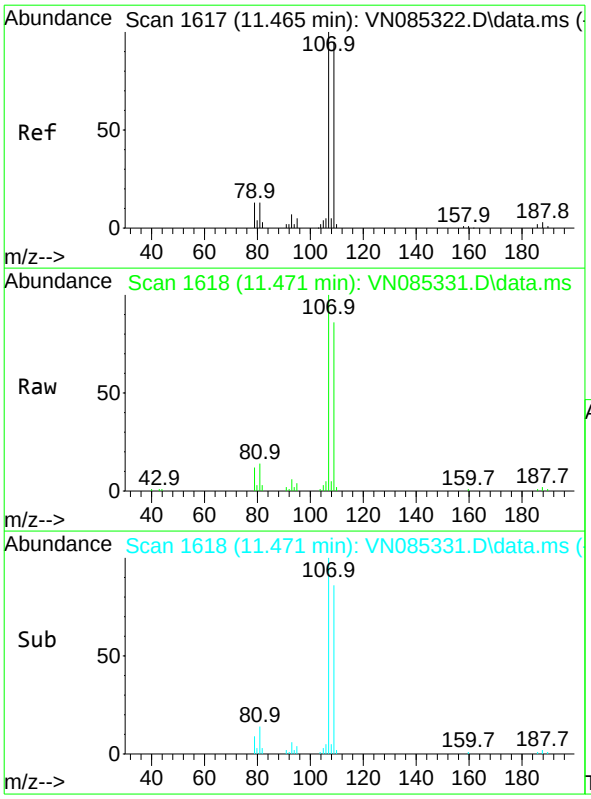


#60
Dibromochloromethane
Concen: 20.483 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:129 Resp: 36970

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9

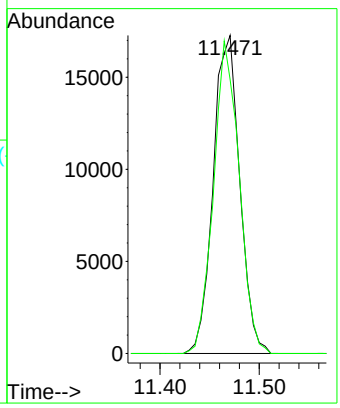




#61
1,2-Dibromoethane
Concen: 20.237 ug/l
RT: 11.471 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:107 Resp: 32084

Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.9	112.3



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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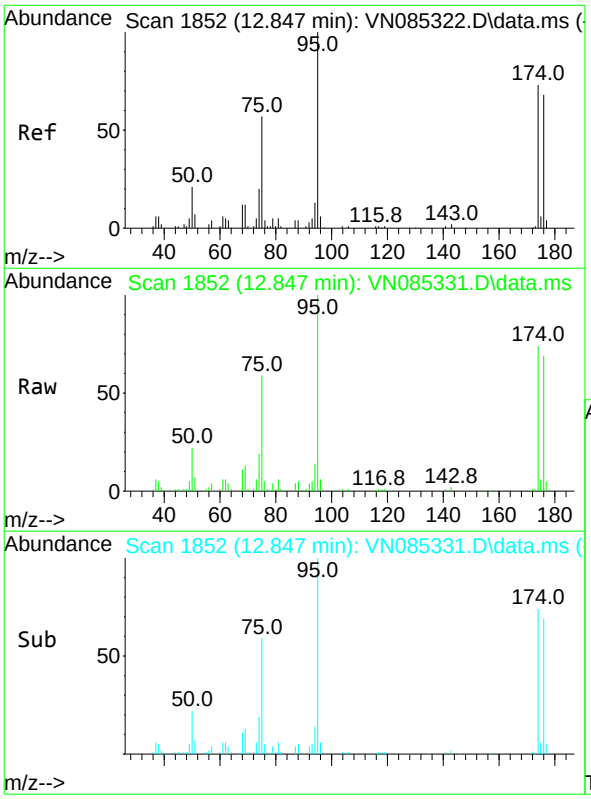
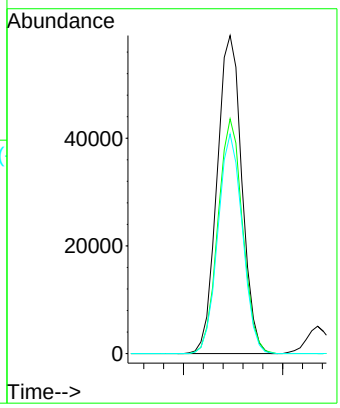
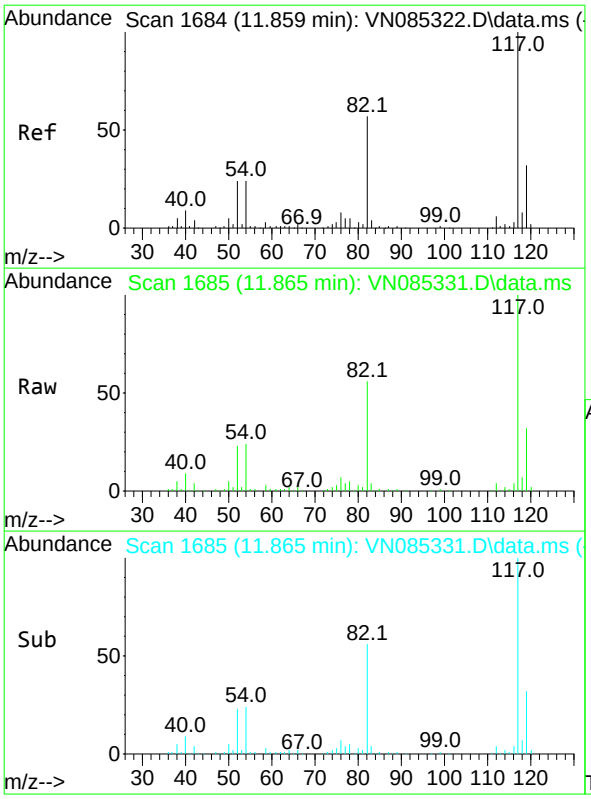


#62
4-Bromofluorobenzene
Concen: 52.322 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 95 Resp: 102680

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	143.2
176	68.1	0.0	135.8

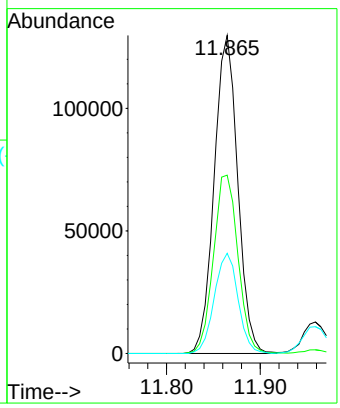




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:117 Resp: 226359

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.7	68.5
119	31.5	25.8	38.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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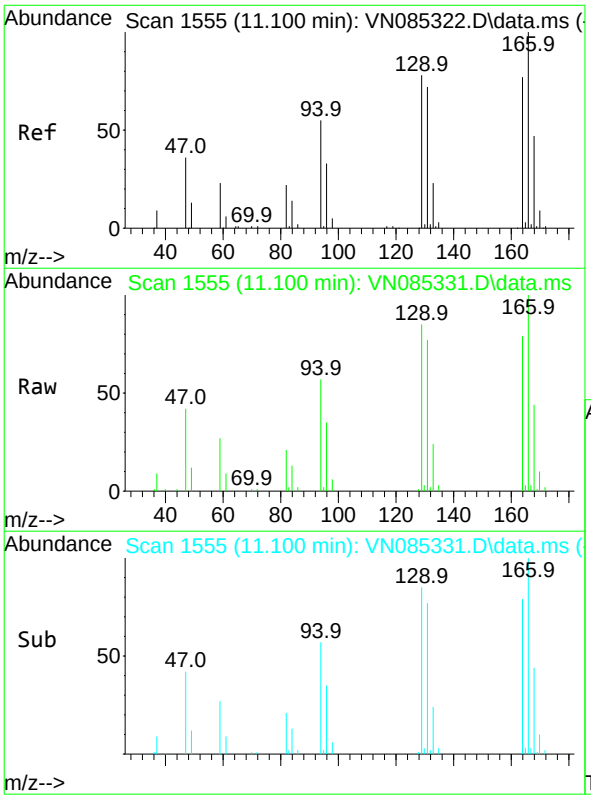
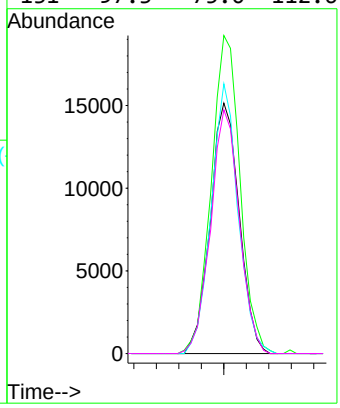
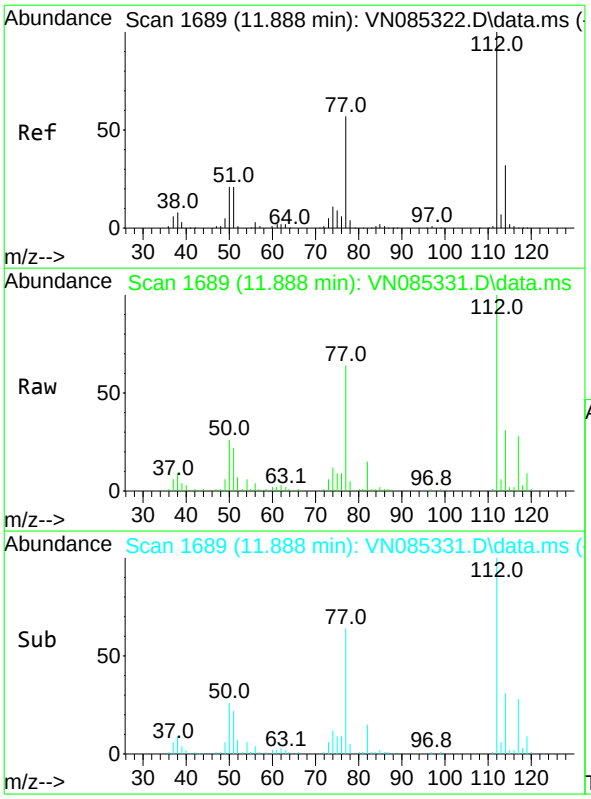


#64
Tetrachloroethene
Concen: 18.911 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:164 Resp: 27124

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	107.7	81.3	121.9
131	97.3	75.0	112.6

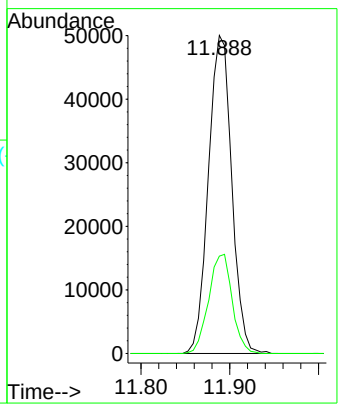




#65
Chlorobenzene
Concen: 18.629 ug/l
RT: 11.888 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:112 Resp: 91123

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.2	37.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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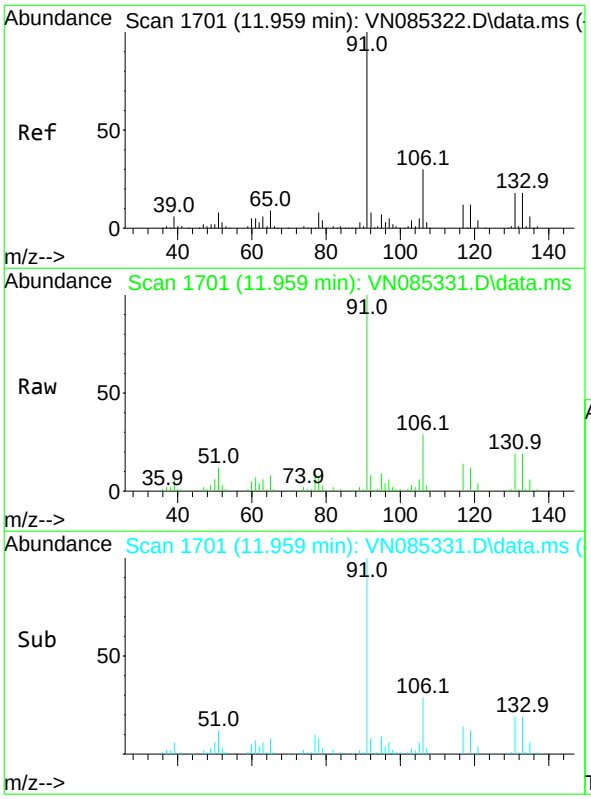
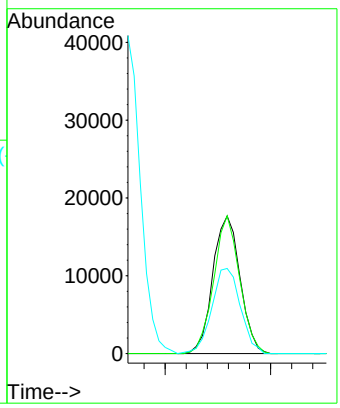
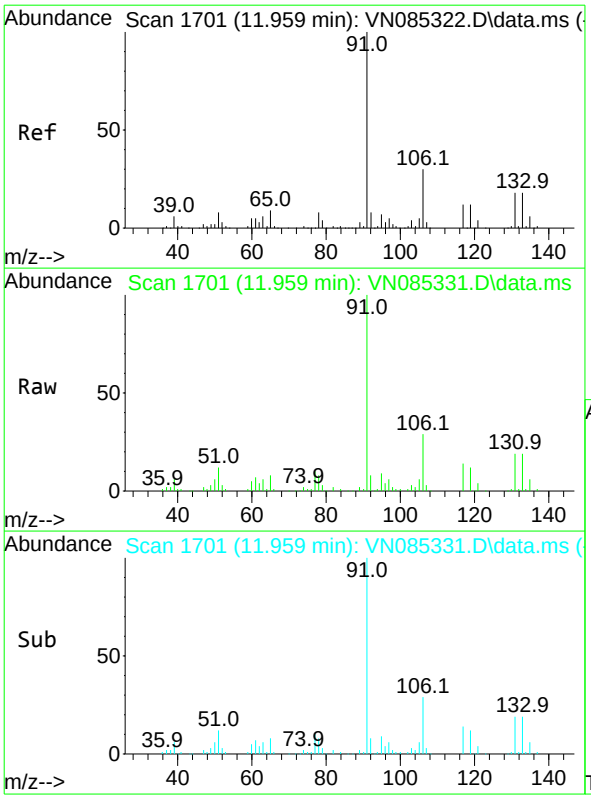


#66
1,1,1,2-Tetrachloroethane
Concen: 19.325 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:131 Resp: 31726

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.3	144.9
119	65.0	33.4	100.1

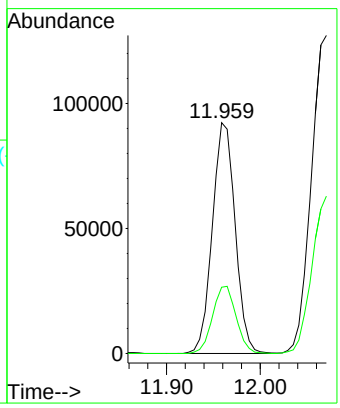




#67
Ethyl Benzene
Concen: 19.184 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 156061

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.0	36.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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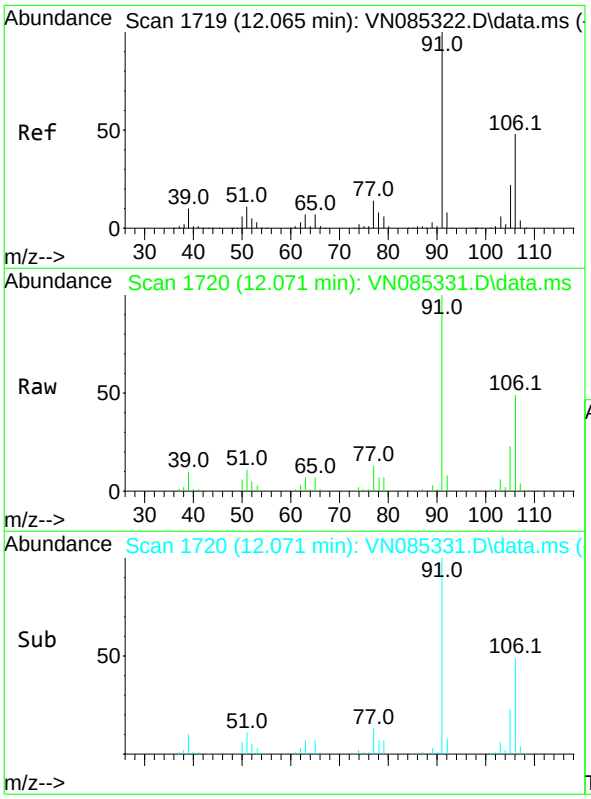
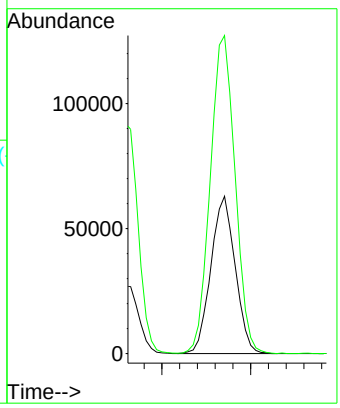
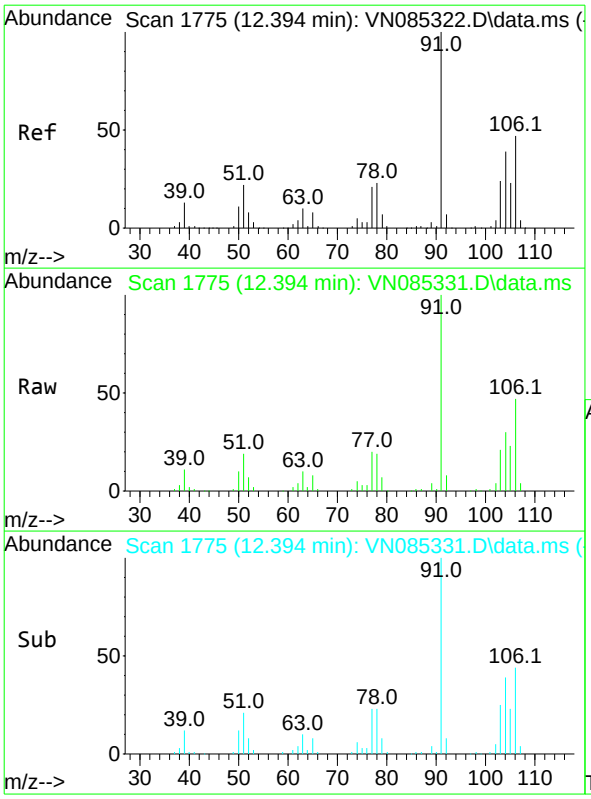


#68
m/p-Xylenes
Concen: 40.244 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:106 Resp: 119809

Ion	Ratio	Lower	Upper
106	100		
91	206.3	165.2	247.8

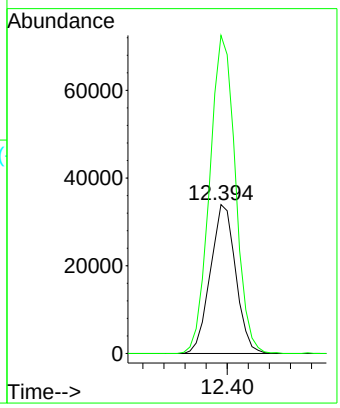




#69
o-Xylene
Concen: 19.624 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:106 Resp: 56516

Ion	Ratio	Lower	Upper
106	100		
91	217.4	107.3	321.8



Instrument :
MSVOA_N
ClientSampleId :
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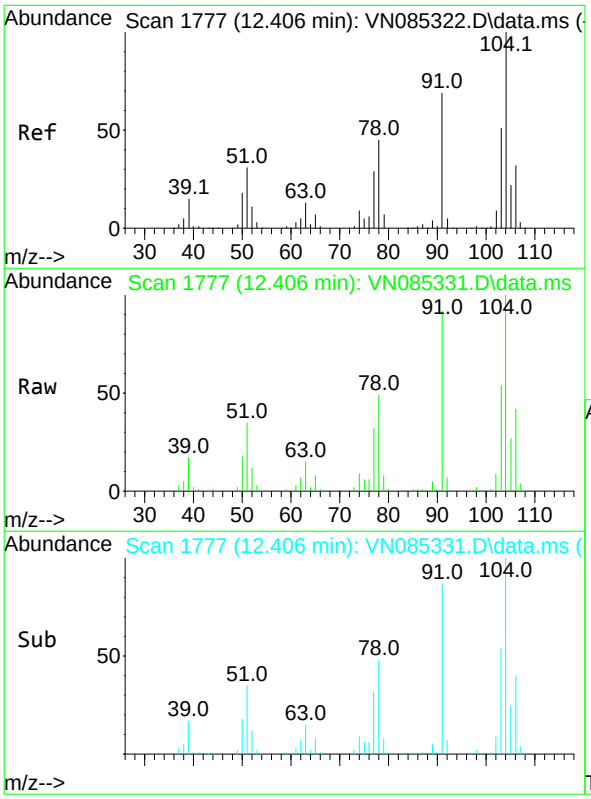
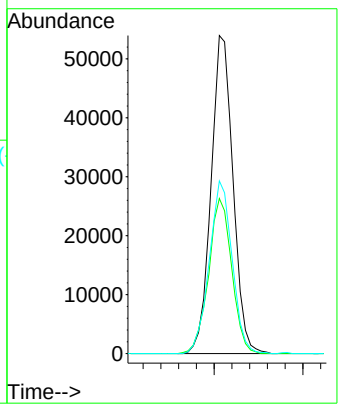
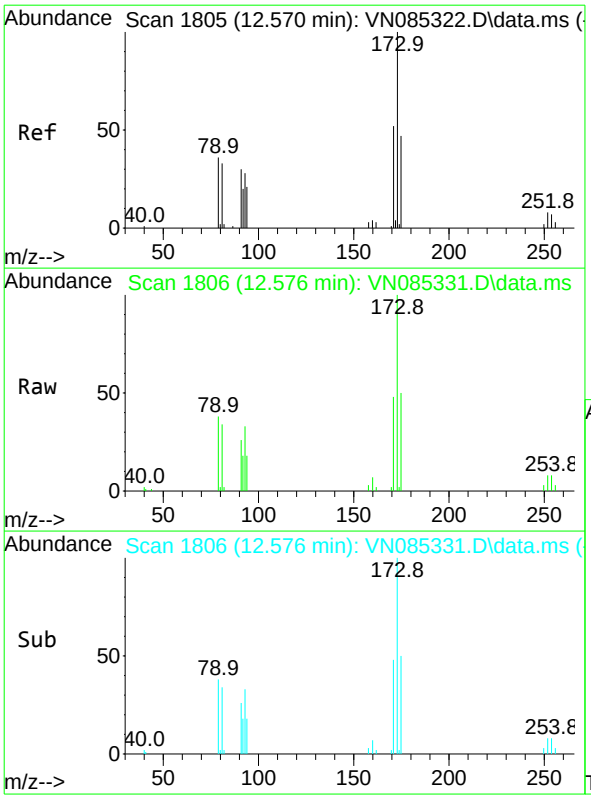


#70
Styrene
Concen: 19.853 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:104 Resp: 92662

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.7	61.1
103	56.6	44.1	66.1

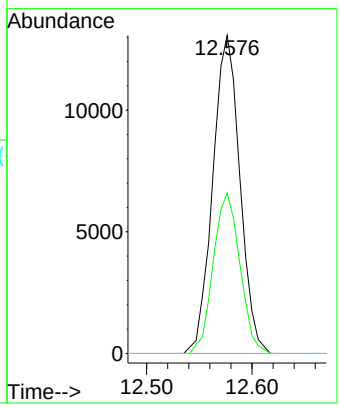




#71
Bromoform
Concen: 20.552 ug/l
RT: 12.576 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:173 Resp: 23369

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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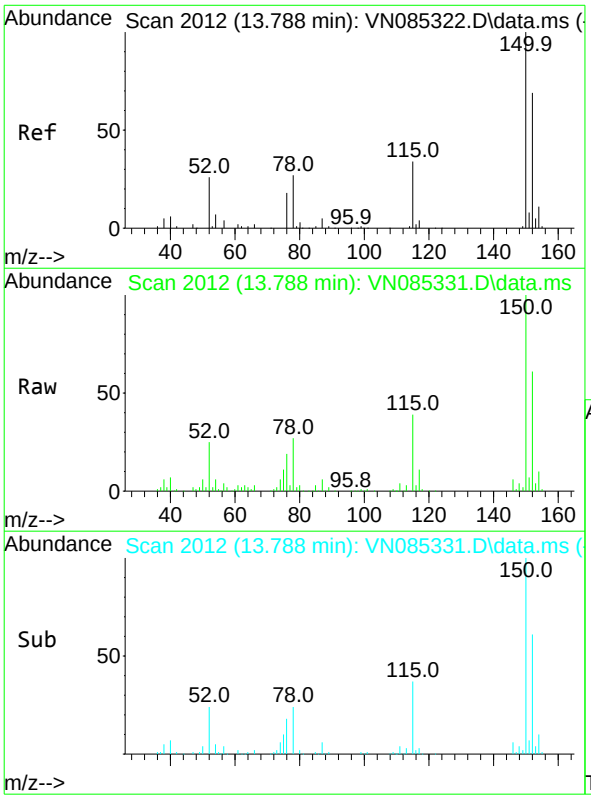
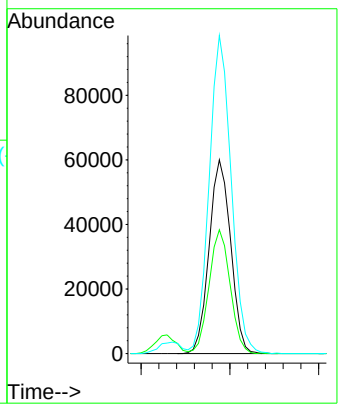
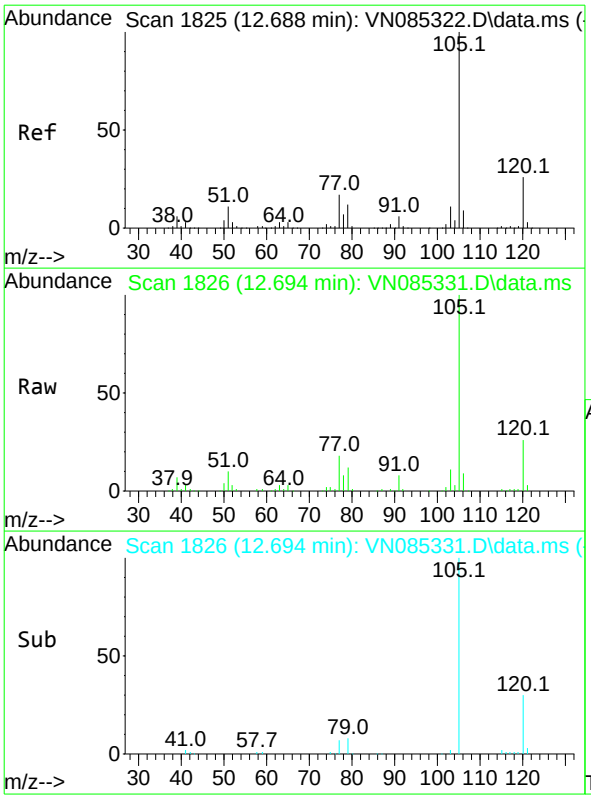


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:152 Resp: 101437

Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.3
150	167.2	0.0	345.0

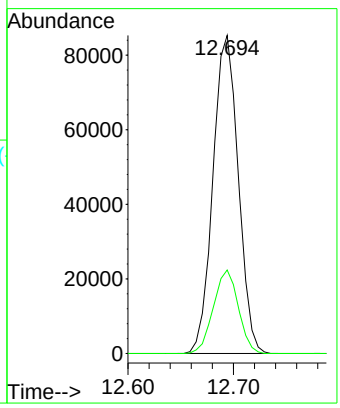




#73
Isopropylbenzene
Concen: 19.493 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 142191

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.6



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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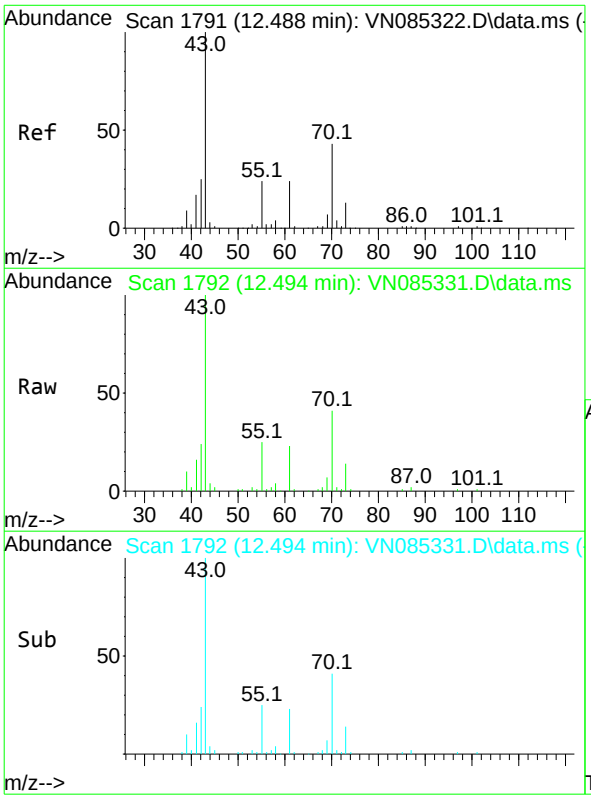
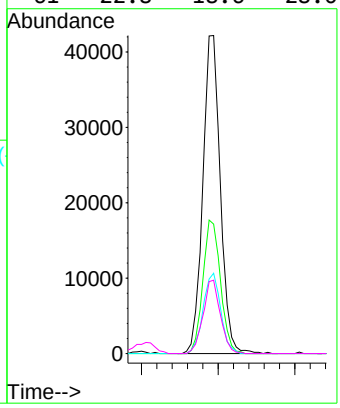
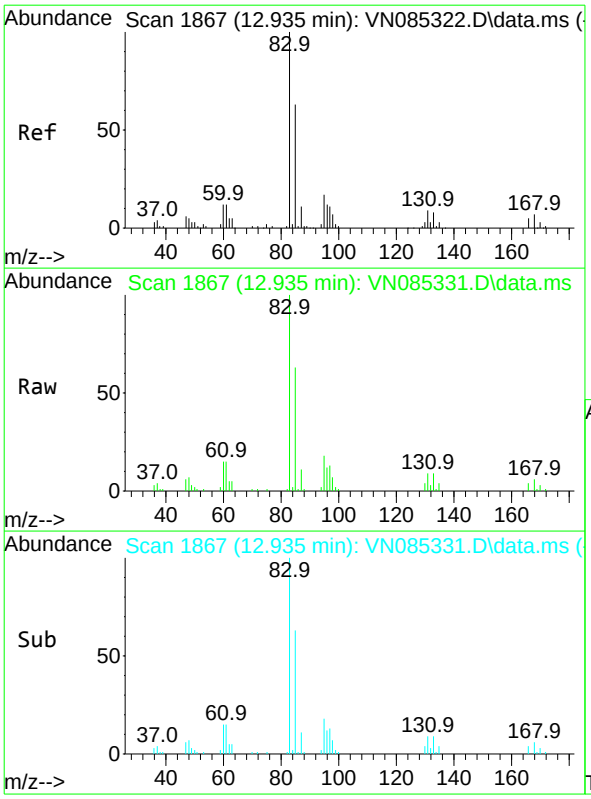


#74
N-amyl acetate
Concen: 21.434 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 66923

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.0
55	25.4	19.2	28.8
61	22.8	18.6	28.0

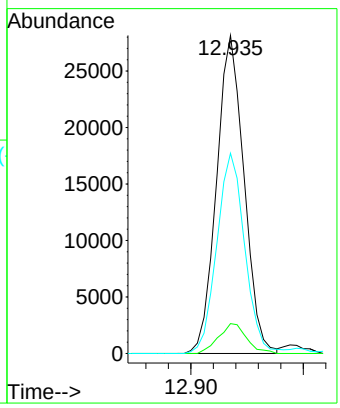




#75
1,1,2,2-Tetrachloroethane
Concen: 20.569 ug/l
RT: 12.935 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 83 Resp: 47785

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	63.9	32.6	98.0



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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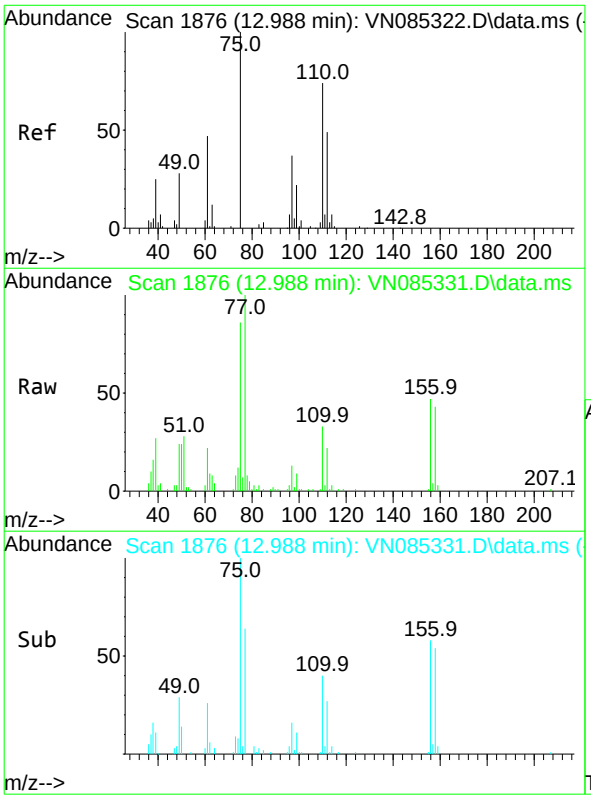
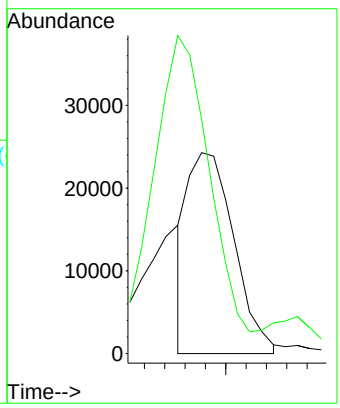
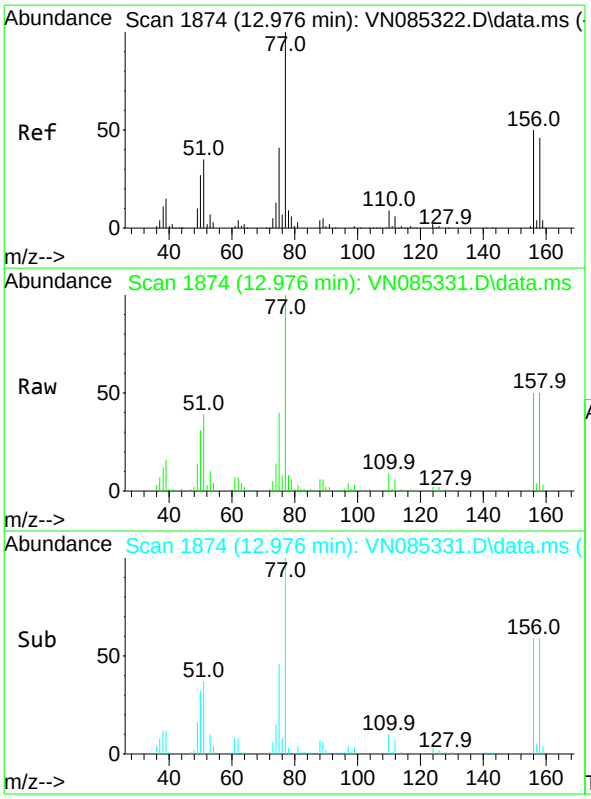


#76
1,2,3-Trichloropropane
Concen: 20.319 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 38489

Ion	Ratio	Lower	Upper
75	100		
77	200.2	98.1	294.3

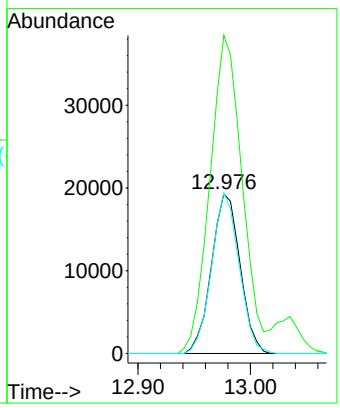




#77
Bromobenzene
Concen: 18.850 ug/l
RT: 12.976 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:156 Resp: 34066

Ion	Ratio	Lower	Upper
156	100		
77	226.2	114.0	342.0
158	96.7	47.6	142.8



Instrument :
MSVOA_N
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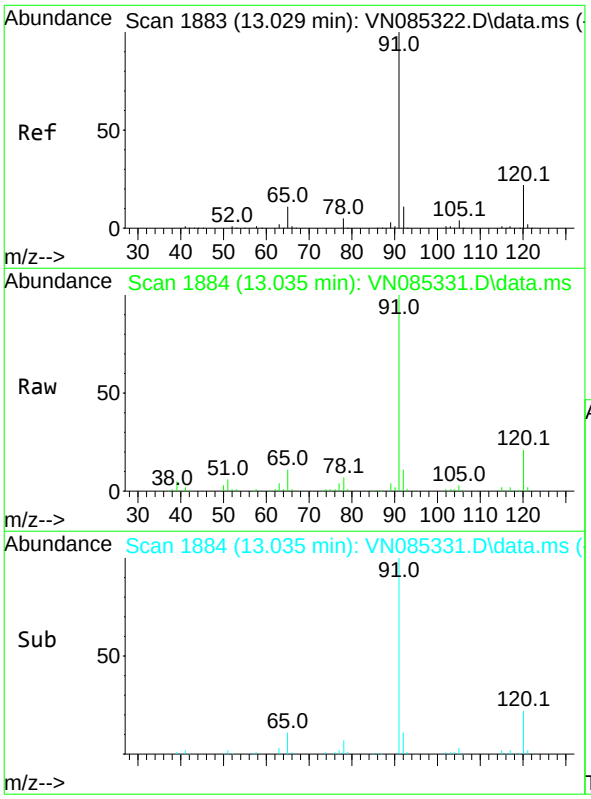
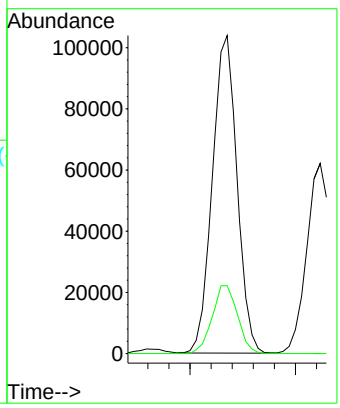
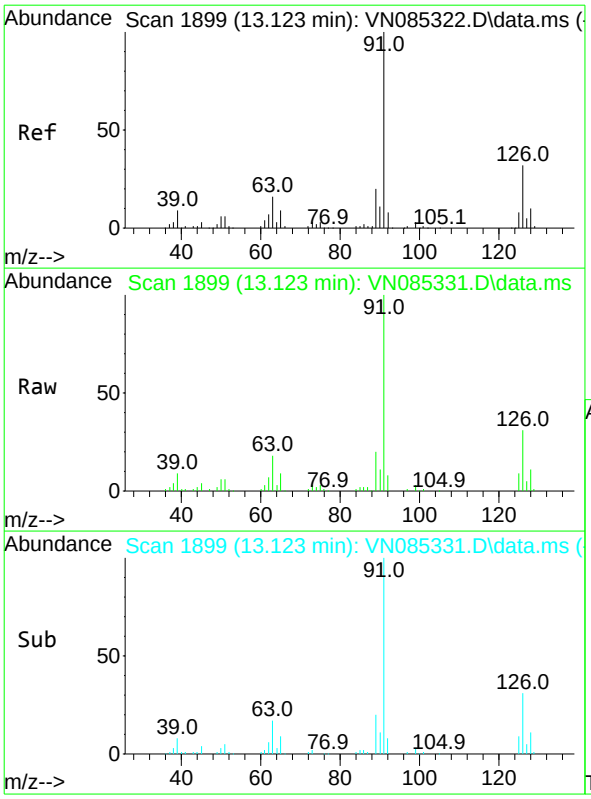


#78
n-propylbenzene
Concen: 19.828 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 168593

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9

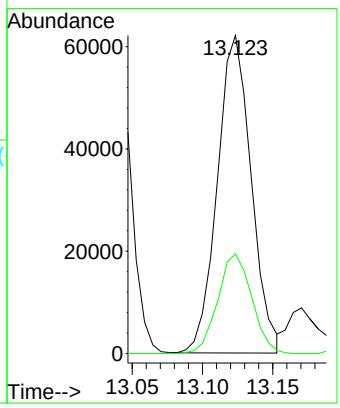




#79
2-Chlorotoluene
Concen: 19.449 ug/l
RT: 13.123 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 104075

Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.0	48.0



Instrument :
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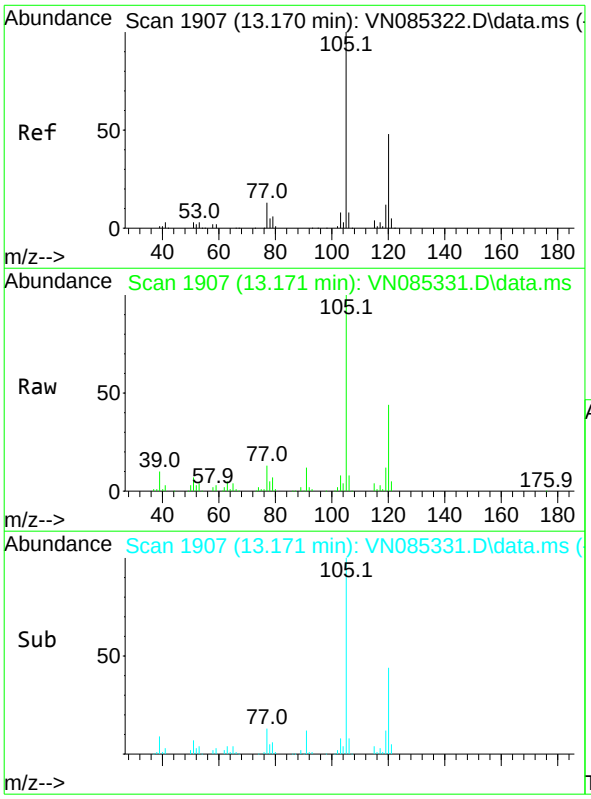
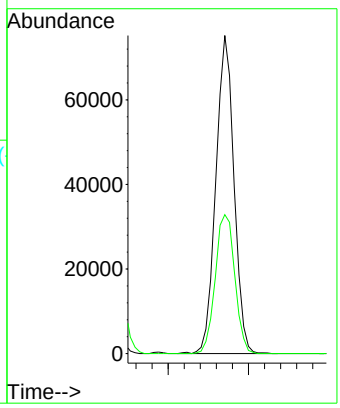
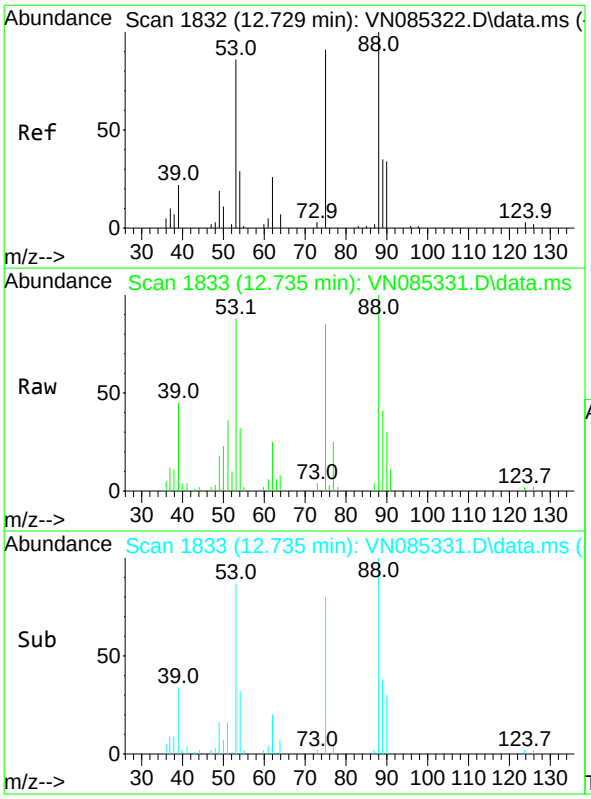


#80
1,3,5-Trimethylbenzene
Concen: 19.994 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 117966

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.0	72.0

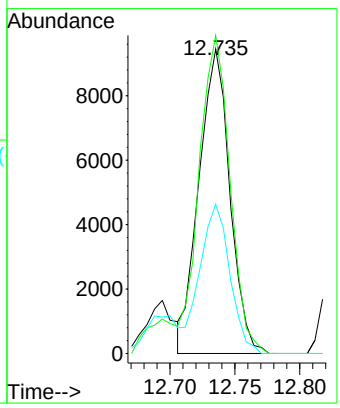




#81
trans-1,4-Dichloro-2-butene
Concen: 19.730 ug/l
RT: 12.735 min Scan# 18
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 15606

Ion	Ratio	Lower	Upper
75	100		
53	115.8	80.0	120.0
89	48.6	35.8	53.8



Instrument :
MSVOA_N
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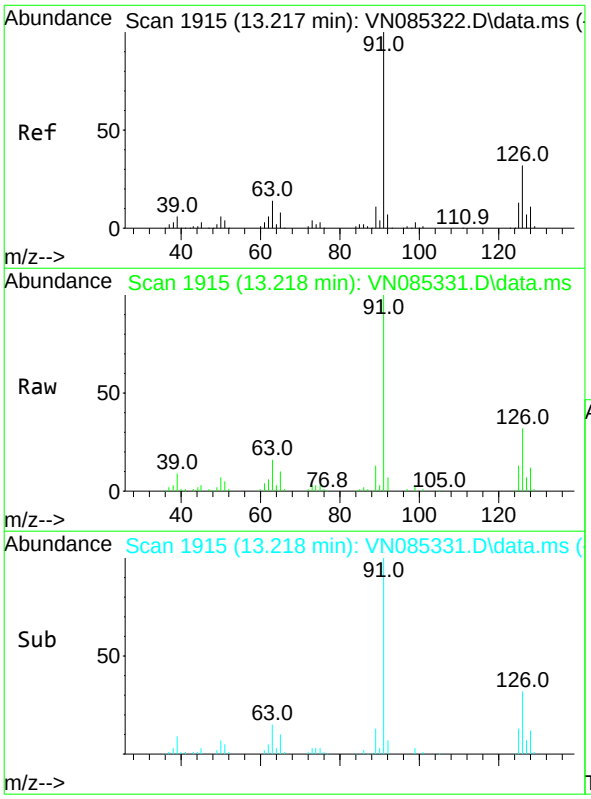
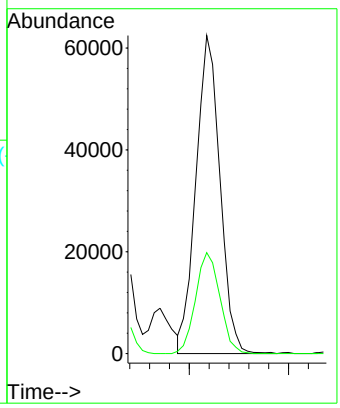
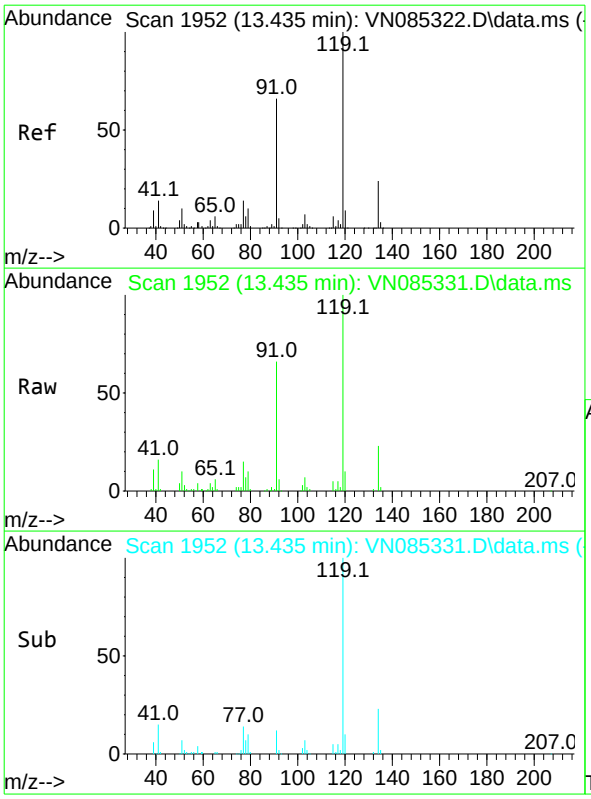


#82
4-Chlorotoluene
Concen: 19.496 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 105071

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4





#83
tert-Butylbenzene
Concen: 19.128 ug/l
RT: 13.435 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:119 Resp: 97764

Ion	Ratio	Lower	Upper
119	100		
91	68.9	33.6	100.8
134	24.6	13.3	39.8

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

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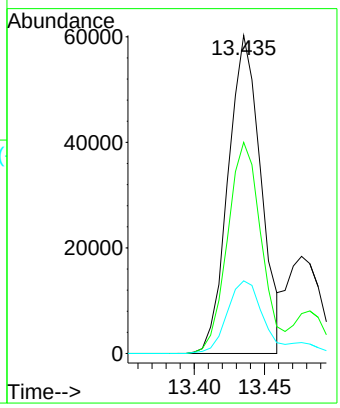
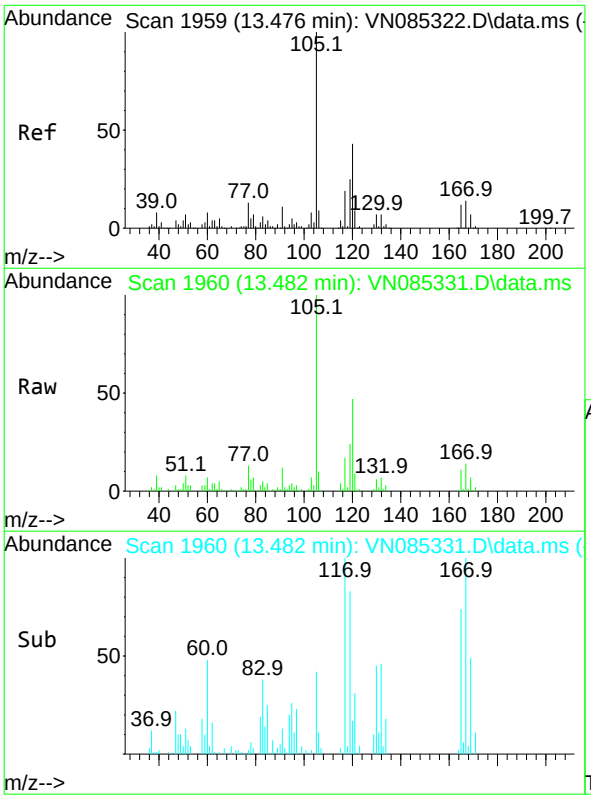
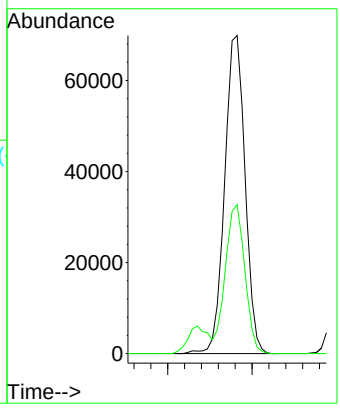


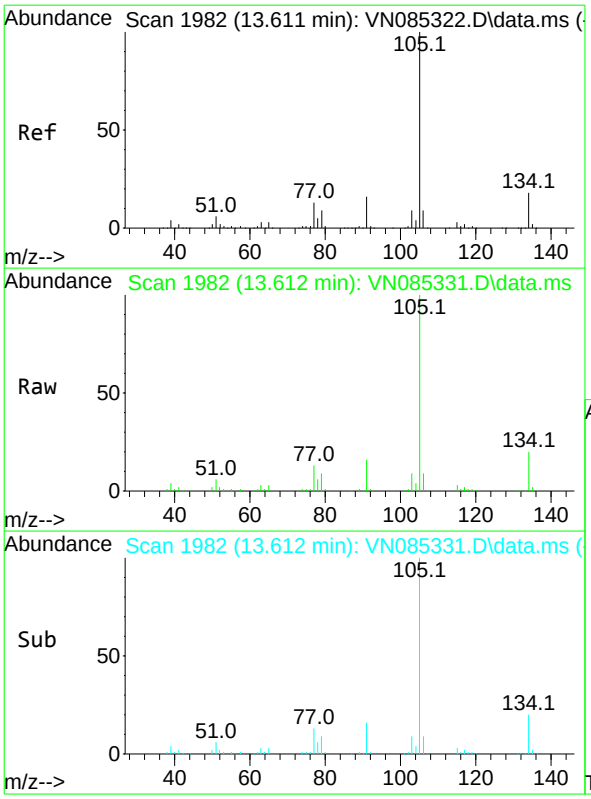


#84
1,2,4-Trimethylbenzene
Concen: 19.968 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 117310

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.7	65.1

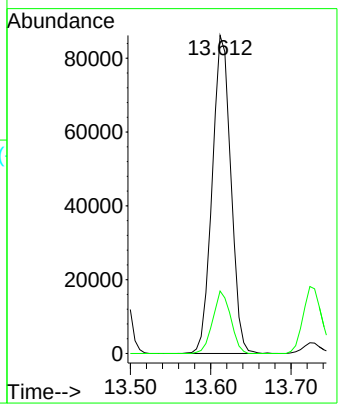




#85
sec-Butylbenzene
Concen: 19.588 ug/l
RT: 13.612 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 138962

Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.3



Instrument :
MSVOA_N
ClientSampleId :
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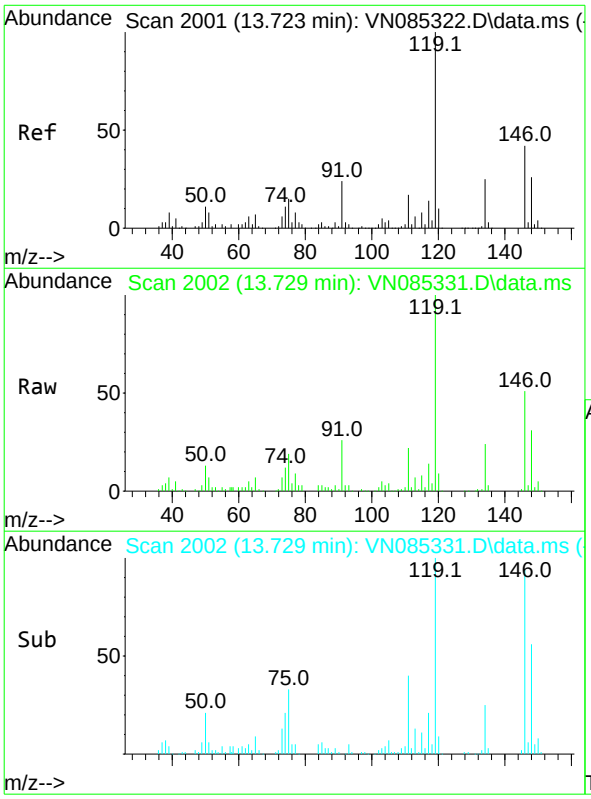
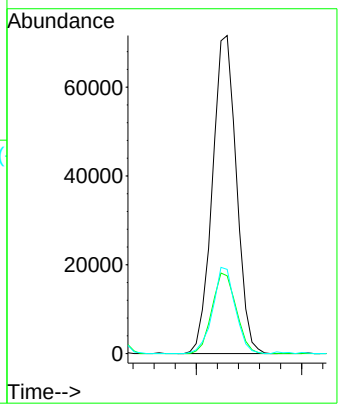
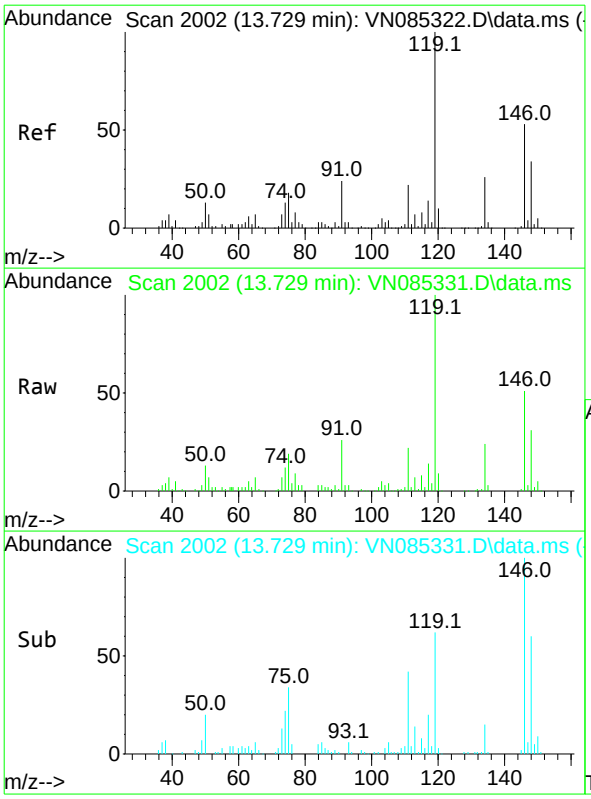


#86
p-Isopropyltoluene
Concen: 18.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:119 Resp: 113227

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	25.5	12.2	36.4

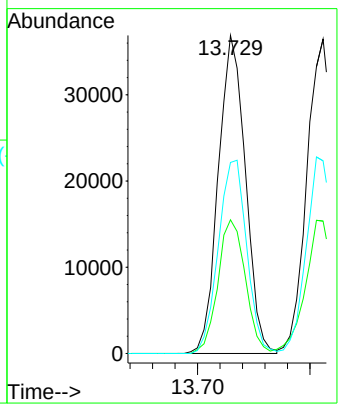




#87
1,3-Dichlorobenzene
Concen: 18.865 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:146 Resp: 61805

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.6	31.5	94.5



Instrument :
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ClientSampleId :
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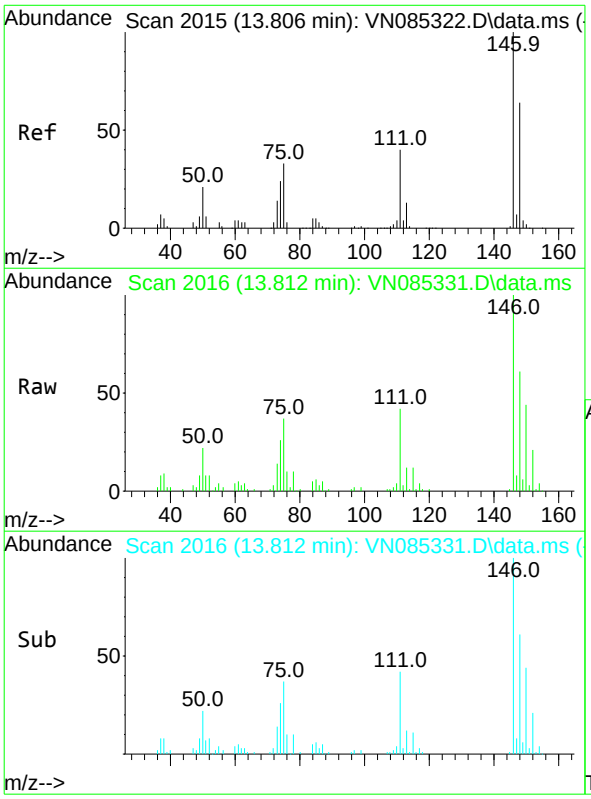
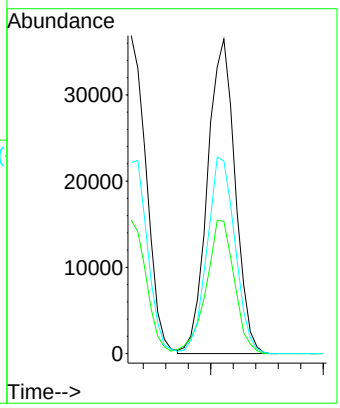
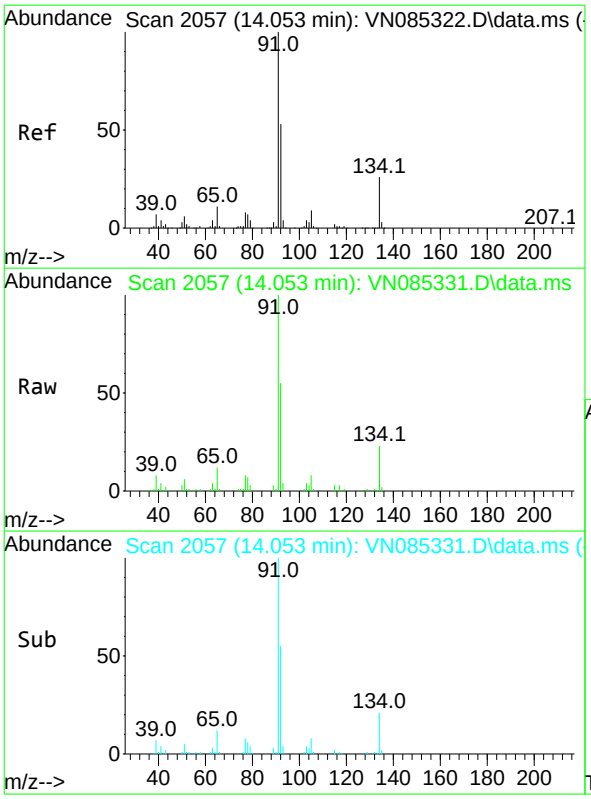


#88
1,4-Dichlorobenzene
Concen: 18.466 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:146 Resp: 62145

Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.8	62.5
148	63.3	31.7	95.1

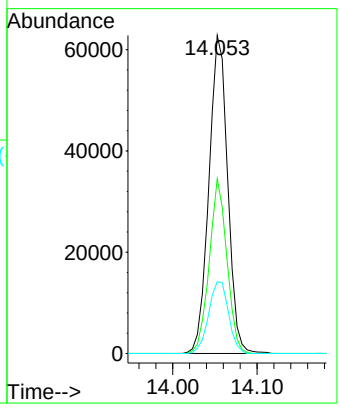




#89
n-Butylbenzene
Concen: 18.690 ug/l
RT: 14.053 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 97095

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	24.0	12.1	36.3



Instrument :
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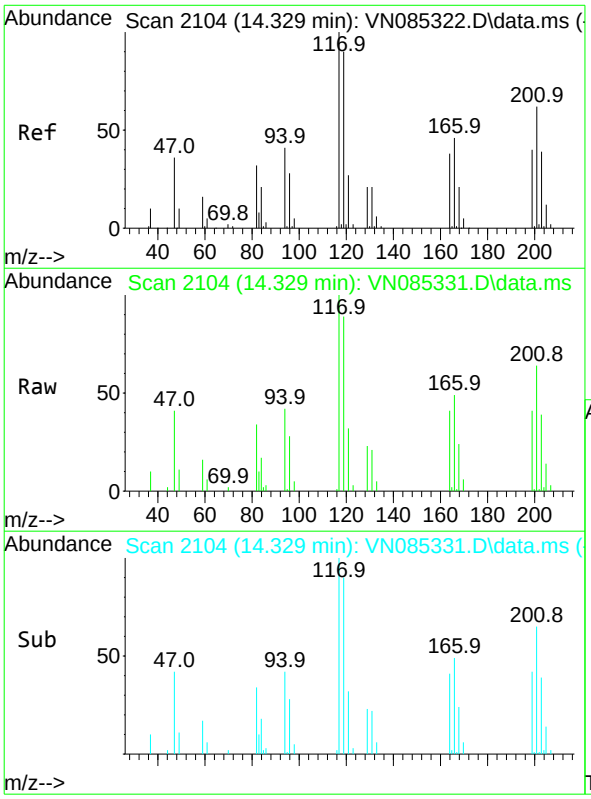
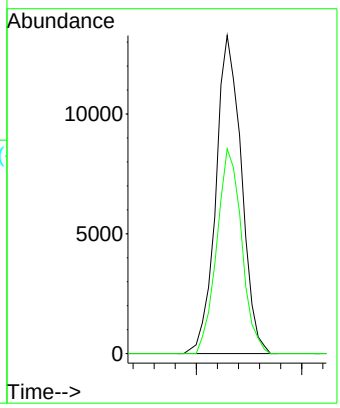
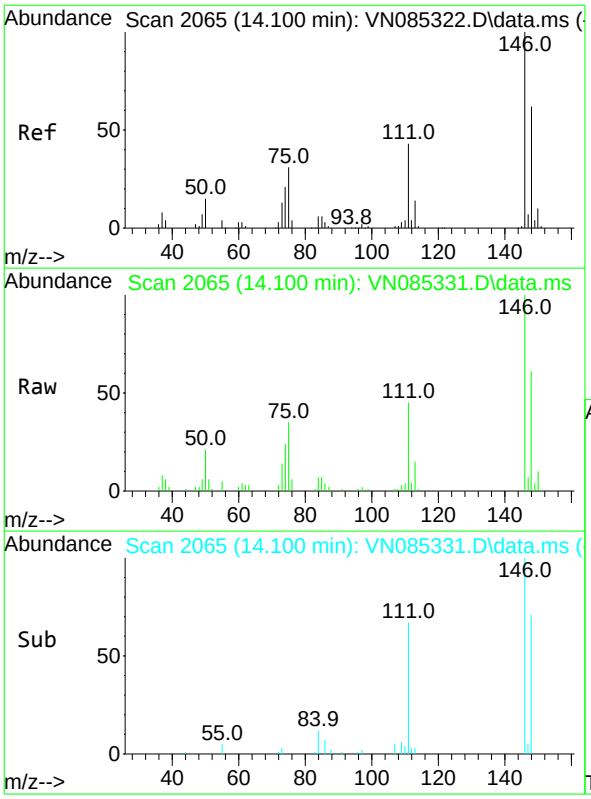


#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:117 Resp: 22343

Ion	Ratio	Lower	Upper
117	100		
201	62.6	30.7	92.1

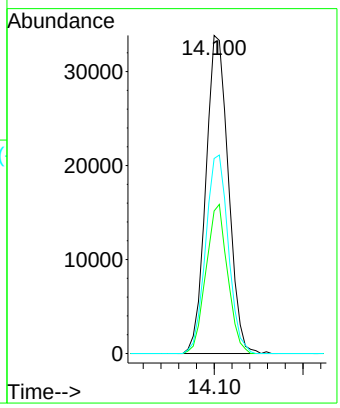




#91
1,2-Dichlorobenzene
Concen: 19.049 ug/l
RT: 14.100 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:146 Resp: 59449

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	62.9	31.4	94.2



Instrument :
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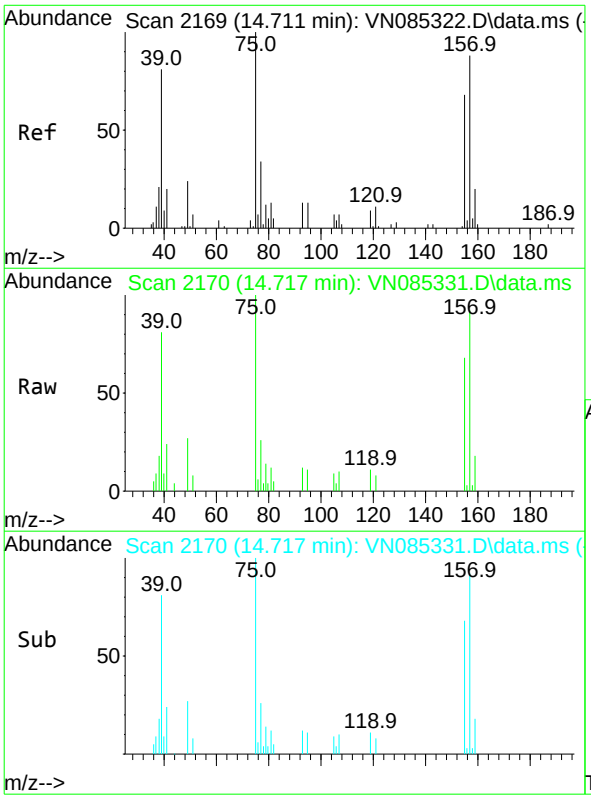
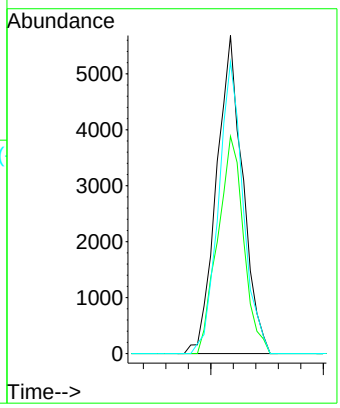
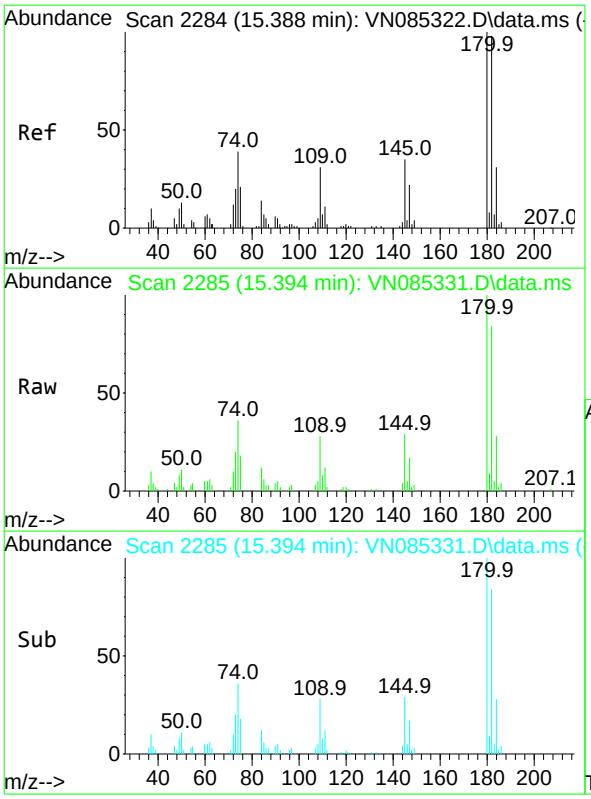


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.294 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 9218

Ion	Ratio	Lower	Upper
75	100		
155	67.1	35.6	106.9
157	85.9	47.0	141.0

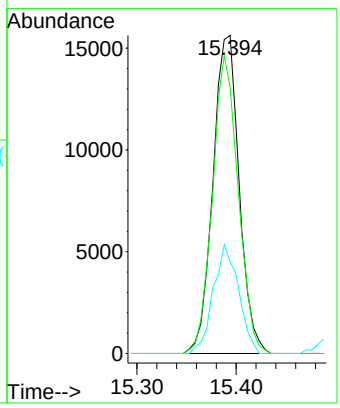




#93
1,2,4-Trichlorobenzene
Concen: 18.366 ug/l
RT: 15.394 min Scan# 22
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:180 Resp: 28607

Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.2	141.6
145	33.1	16.6	49.8



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations
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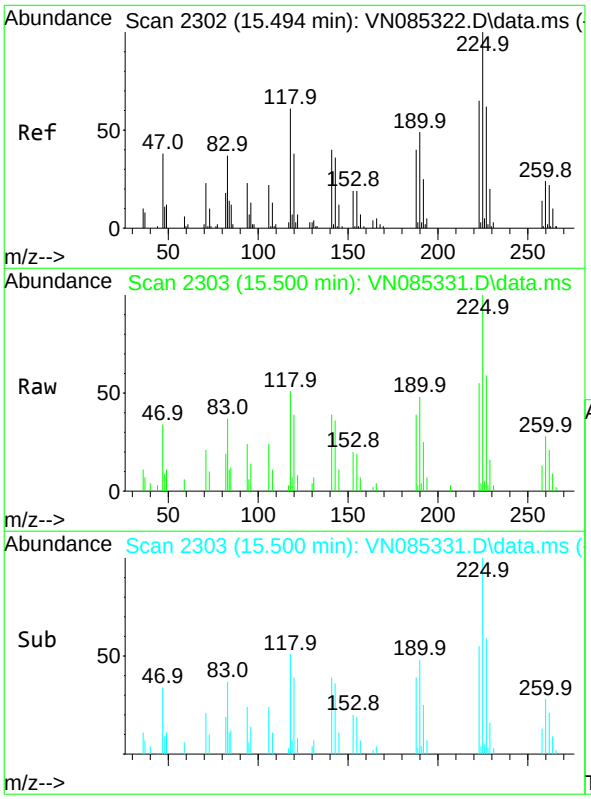
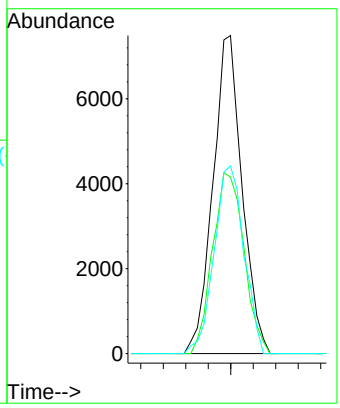
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

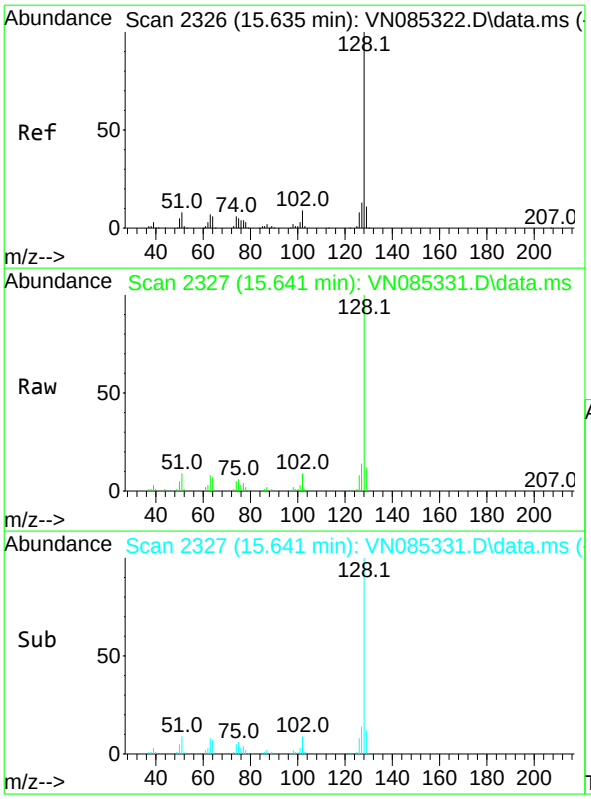


#94
Hexachlorobutadiene
Concen: 17.379 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:225 Resp: 13450

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.6	94.7
227	60.3	30.3	91.0

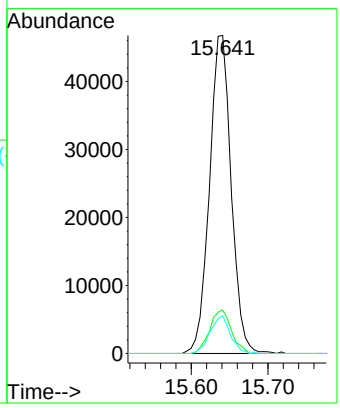




#95
Naphthalene
Concen: 17.429 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:128 Resp: 92054

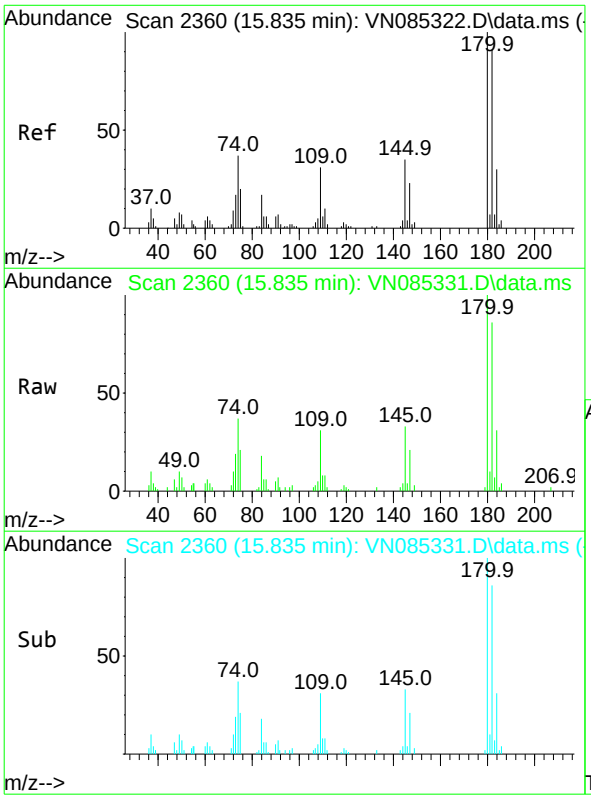
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.1	8.5	12.7



Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Manual Integrations
APPROVED

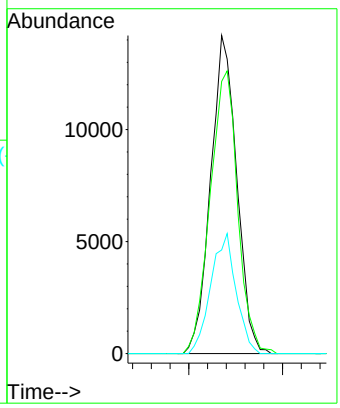
Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



#96
1,2,3-Trichlorobenzene
Concen: 17.641 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:180 Resp: 27454

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.8	140.4
145	36.5	17.2	51.6



Alliance TECHNICAL GROUP
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Manual Integration Report

Sequence:	vn122724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085321.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:06 AM	MMDadoda	12/30/2024 12:45:09 PM	Peak Integrated by Software
VSTDICCC050	VN085322.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:11 AM	MMDadoda	12/30/2024 12:45:14 PM	Peak Integrated by Software
VSTDICCC050	VN085322.D	trans-1,4-Dichloro-2-but ene	JOHN	12/30/2024 9:19:11 AM	MMDadoda	12/30/2024 12:45:14 PM	Peak Integrated by Software
VSTDICC020	VN085323.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:15 AM	MMDadoda	12/30/2024 12:45:16 PM	Peak Integrated by Software
VSTDICC020	VN085323.D	Vinyl Acetate	JOHN	12/30/2024 9:19:15 AM	MMDadoda	12/30/2024 12:45:16 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	trans-1,4-Dichloro-2-but ene	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	Vinyl Acetate	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC005	VN085325.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:25 AM	MMDadoda	12/30/2024 12:45:20 PM	Peak Integrated by Software
VSTDICC005	VN085325.D	Vinyl Acetate	JOHN	12/30/2024 9:19:25 AM	MMDadoda	12/30/2024 12:45:20 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,1,2-Trichlorotrifluoroet hane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,4-Dichlorobenzene	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn122724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085326.D	1,4-Dioxane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Acrylonitrile	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Bromochloromethane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Methacrylonitrile	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICV050	VN085328.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:35 AM	MMDadoda	12/30/2024 12:45:23 PM	Peak Integrated by Software
VN1227WBS01	VN085330.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:39 AM	MMDadoda	12/30/2024 12:45:25 PM	Peak Integrated by Software
VN1227WBSD01	VN085331.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:43 AM	MMDadoda	12/30/2024 12:45:27 PM	Peak Integrated by Software
VSTDCCC050	VN085337.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:56 AM	MMDadoda	12/30/2024 12:45:33 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085320.D	27 Dec 2024 09:52	JC\MD	Ok
2	VSTDICC100	VN085321.D	27 Dec 2024 10:26	JC\MD	Ok,M
3	VSTDICCC050	VN085322.D	27 Dec 2024 10:50	JC\MD	Ok,M
4	VSTDICC020	VN085323.D	27 Dec 2024 11:13	JC\MD	Ok,M
5	VSTDICC010	VN085324.D	27 Dec 2024 11:37	JC\MD	Ok,M
6	VSTDICC005	VN085325.D	27 Dec 2024 12:01	JC\MD	Ok,M
7	VSTDICC001	VN085326.D	27 Dec 2024 12:48	JC\MD	Ok,M
8	IBLK	VN085327.D	27 Dec 2024 13:12	JC\MD	Ok
9	VSTDICV050	VN085328.D	27 Dec 2024 15:58	JC\MD	Ok,M
10	VN1227WBL01	VN085329.D	27 Dec 2024 16:33	JC\MD	Ok
11	VN1227WBS01	VN085330.D	27 Dec 2024 16:57	JC\MD	Ok,M
12	VN1227WBSD01	VN085331.D	27 Dec 2024 17:30	JC\MD	Ok,M
13	PB165857TB	VN085332.D	27 Dec 2024 17:55	JC\MD	Ok
14	P5362-02	VN085333.D	27 Dec 2024 18:18	JC\MD	Ok
15	P5380-02	VN085334.D	27 Dec 2024 18:42	JC\MD	Ok
16	P5386-02	VN085335.D	27 Dec 2024 19:06	JC\MD	Ok,M
17	P5386-04	VN085336.D	27 Dec 2024 19:30	JC\MD	Ok,M
18	VSTDCCC050	VN085337.D	27 Dec 2024 19:54	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085320.D	27 Dec 2024 09:52		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085321.D	27 Dec 2024 10:26		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085322.D	27 Dec 2024 10:50		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085323.D	27 Dec 2024 11:13		JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085324.D	27 Dec 2024 11:37		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085325.D	27 Dec 2024 12:01		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085326.D	27 Dec 2024 12:48	Comp #86 on QR	JC\MD	Ok,M
8	IBLK	IBLK	VN085327.D	27 Dec 2024 13:12		JC\MD	Ok
9	VSTDICV050	ICVVN122724	VN085328.D	27 Dec 2024 15:58		JC\MD	Ok,M
10	VN1227WBL01	VN1227WBL01	VN085329.D	27 Dec 2024 16:33		JC\MD	Ok
11	VN1227WBS01	VN1227WBS01	VN085330.D	27 Dec 2024 16:57		JC\MD	Ok,M
12	VN1227WBSD01	VN1227WBSD01	VN085331.D	27 Dec 2024 17:30		JC\MD	Ok,M
13	PB165857TB	PB165857TB	VN085332.D	27 Dec 2024 17:55		JC\MD	Ok
14	P5362-02	WC-SOIL-20241219	VN085333.D	27 Dec 2024 18:18	vial A pH#5.0	JC\MD	Ok
15	P5380-02	TAPIAL3-IDW-SOIL-12	VN085334.D	27 Dec 2024 18:42	vial A pH#5.0	JC\MD	Ok
16	P5386-02	MOO-24-00398	VN085335.D	27 Dec 2024 19:06	vial A pH#5.0	JC\MD	Ok,M
17	P5386-04	MOO-24-00395-96	VN085336.D	27 Dec 2024 19:30	vial A pH#5.0	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN085337.D	27 Dec 2024 19:54		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165857

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 12/26/2024 **Time :** 16:00

End Prep Date : 12/27/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110801
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. TUMBLER ZHE-1 checked,30 rpm.

Date / Time JP	Prepped Sample Relinquished By/Location	Received By/Location
12/27/24 10:00	JP Lab Room	G.Y WC 24b
10:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165857

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P5362-02	WC-SOIL-20241219	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	02	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5386-02	MOO-24-00398	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5386-04	MOO-24-00395-96	04	25.00	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB165857TB	LEB857	05	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5362-02	WC-SOIL-20241219	N/A	N/A	N/A	N/A	100	N/A
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	N/A	N/A	N/A	N/A	100	N/A
P5386-02	MOO-24-00398	N/A	N/A	N/A	N/A	100	N/A
P5386-04	MOO-24-00395-96	N/A	N/A	N/A	N/A	100	N/A
PB165857TB	LEB857	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p5380 **WorkList ID :** 186584 **Department :** TCLP Extraction **Date :** 12-26-2024 07:38:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5362-02	WC-SOIL-20241219	Solid	TCLP ZHE Extraction	Cool 4 deg C	PARS02	N21	12/19/2024	1311 ZHE
P5380-02	TAPIAL3-IDW-SOIL-122024-T1	Solid	TCLP ZHE Extraction	Cool 4 deg C	WEST04	N31	12/20/2024	1311 ZHE
P5386-02	MOO-24-00398	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311 ZHE
P5386-04	MOO-24-00395-96	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	12/26/2024	1311 ZHE

Date/Time 12.26.24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] (SM)

Date/Time 12.26.24 17:30

Raw Sample Received by: [signature] (SM)

Raw Sample Relinquished by: [signature]

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Prep Standard - Chemical Standard Summary

Order ID : P5380

Test : TCLP VOA

Prepbatch ID :

Sequence ID/Qc Batch ID: vn122724,

Standard ID :
VP129195,VP130430,VP130434,VP131746,VP131767,VP131864,VP131984,VP131987,VP131989,VP132005,VP132007,VP132035,VP132037,VP132096,VP132097,VP132098,VP132101,VP132335,VP132336,VP132354,VP132355,VP132356,VP132357,VP132358,VP132359,VP132360,

Chemical ID :
V12966,V13391,V13445,V13449,V13457,V13460,V13465,V13466,V13582,V13707,V13806,V13820,V13918,V14020,V14021,V14096,V14105,V14106,V14125,V14143,V14145,V14152,V14154,V14173,V14174,V14178,V14192,V14194,V14201,V14289,V14424,V14434,V14437,V14461,V14614,V14630,V14631,V14632,V14633,V14650,V14651,V14652,V14655,V14656,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
262	8260 Working STD (BCM)-Second source, 100PPM	VP129195	07/22/2024	01/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/26/2024

FROM 1.00000ml of V12966 + 9.00000ml of V14143 = Final Quantity: 10.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1738	8260 surrogate 20 ppm	VP130434	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 10/02/2024

FROM 0.02000ml of V13707 + 24.99000ml of V14145 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP131864	12/02/2024	01/11/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/03/2024

FROM 0.16000ml of V13449 + 0.80000ml of V13820 + 0.80000ml of V14096 + 0.80000ml of V14125 + 0.80000ml of V14178 + 0.80000ml of V14424 + 1.60000ml of V13918 + 4.24000ml of V14461 = Final Quantity: 10.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP131984	12/06/2024	01/04/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/24/2024

FROM 0.60000ml of V14656 + 1.00000ml of V14655 + 8.40000ml of V14152 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14652 + 1.50000ml of V14650 + 1.50000ml of V14651 + 21.00000ml of V14152 = Final Quantity: 25.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
180	8260 Working STD (Acrolein)-First source, 100PPM	VP131989	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 17.50000ml of V14152 + 2.50000ml of VP131987 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP132005	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.40000ml of V13445 + 1.00000ml of V13806 + 1.00000ml of V14020 + 1.00000ml of V14021 + 1.00000ml of V14105 + 1.00000ml of V14106 + 1.00000ml of V14173 + 1.00000ml of V14174 + 1.00000ml of V14194 + 1.00000ml of V14434 + 1.00000ml of V14437 + 1.50000ml of V14192 + 1.50000ml of V14201 + 10.60000ml of V14152 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
245	8260 Calibration Working STD Mix-First source, 20PPM	VP132007	12/09/2024	01/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 17.50000ml of V14152 + 2.50000ml of VP132005 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = 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	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.50000ml of V13466 + 49.50000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP132335	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 12/27/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP132336	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 12/27/2024

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
334	1 PPB ICC, 8260-Water	VP132354	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.98200ml of W3112 + 0.00200ml of VP130434 + 0.00200ml of VP131989 + 0.00200ml of VP132007 + 0.00200ml of VP132037 + 0.00200ml of VP132097 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
335	5 PPB ICC, 8260-Water	VP132355	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.94200ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP130434 + 0.01000ml of VP131989 + 0.01000ml of VP132007 + 0.01000ml of VP132037 + 0.01000ml of VP132097 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
336	10 PPB ICC, 8260-Water	VP132356	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.92700ml of W3112 + 0.00100ml of VP130430 + 0.00400ml of VP132098 + 0.00800ml of VP131746 + 0.02000ml of VP131989 + 0.02000ml of VP132007 + 0.02000ml of VP132037 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
337	20 PPB ICC, 8260-Water	VP132357	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.97000ml of W3112 + 0.00200ml of VP130430 + 0.00200ml of VP132096 + 0.00500ml of VP131987 + 0.00500ml of VP132005 + 0.00500ml of VP132035 + 0.00800ml of VP131746 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
380	50 PPB ICC, 8260-Water	VP132358	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP131987 + 0.01250ml of VP132005 + 0.01250ml of VP132035 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
381	100 PPB ICC, 8260-Water	VP132359	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.89700ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP130430 + 0.01000ml of VP132096 + 0.02500ml of VP131987 + 0.02500ml of VP132005 + 0.02500ml of VP132035 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
385	50 PPB ICV, 8260-Water	VP132360	12/27/2024	12/28/2024	John Carlone	None	None	Mahesh Dadoda 01/01/2025

FROM 39.92950ml of W3112 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP131864 + 0.01250ml of VP131984 + 0.01250ml of VP132101 + 0.02000ml of VP129195 = Final Quantity: 40.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	01/22/2025	07/22/2024 / SAM	07/06/2022 / SAM	V12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	11/26/2024 / SAM	01/23/2023 / SAM	V13445

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

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	03/16/2025	09/16/2024 / SAM	05/31/2023 / SAM	V13806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0197644	04/14/2025	10/14/2024 / SAM	05/31/2023 / SAM	V13820

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	04/17/2025	10/17/2024 / SAM	07/24/2023 / SAM	V13918

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	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14020

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	03/29/2025	11/26/2024 / SAM	11/22/2023 / SAM	V14021

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	A0205177	03/04/2025	09/04/2024 / SAM	12/22/2023 / SAM	V14096

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	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

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	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	011624	04/17/2025	10/17/2024 / SAM	01/17/2024 / SAM	V14125

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	01/22/2025	07/22/2024 / SAM	02/06/2024 / SAM	V14143

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	04/14/2025	10/14/2024 / SAM	02/06/2024 / SAM	V14152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14173

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	05/26/2025	11/26/2024 / SAM	02/20/2024 / SAM	V14174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	04/17/2025	10/17/2024 / SAM	02/20/2024 / SAM	V14178

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	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14192

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	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14194

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	05/26/2025	11/26/2024 / SAM	02/28/2024 / SAM	V14201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0205013	06/02/2025	12/02/2024 / SAM	08/15/2024 / SAM	V14424

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14434

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	05/26/2025	11/26/2024 / SAM	08/15/2024 / SAM	V14437

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	05/26/2025	11/26/2024 / pedro	08/16/2024 / SAM	V14461

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120524	01/05/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14652

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120424	01/04/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14655

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	120424	01/04/2025	12/06/2024 / SAM	12/06/2024 / SAM	V14656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

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Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

12

ANAB ISO 17034 Accredit
AR-1539 Certificate Number
https://Absolutestandards.cc

CERTIFIED WEIGHT REPORT

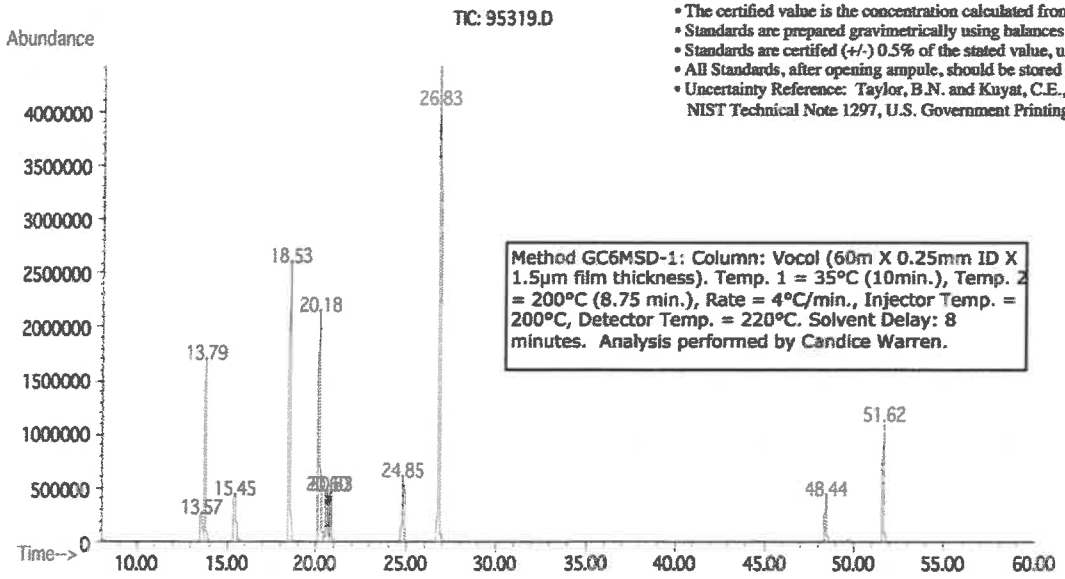
Part Number: 95319
Lot Number: 011624
Description: Revised Additions Mix
11 components
Expiration Date: 011627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By:	Prashant Chauhan	011624 DATE
Reviewed By:	Pedro L. Rentas	011624 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	ori-rat 78 mg/kg
2.	1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3.	Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4.	Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5.	1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6.	Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7.	Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8.	Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	ori-rat 4g/kg
9.	Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	ori-rat 39mg/kg
10.	Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11.	1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Methanol Lot# EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

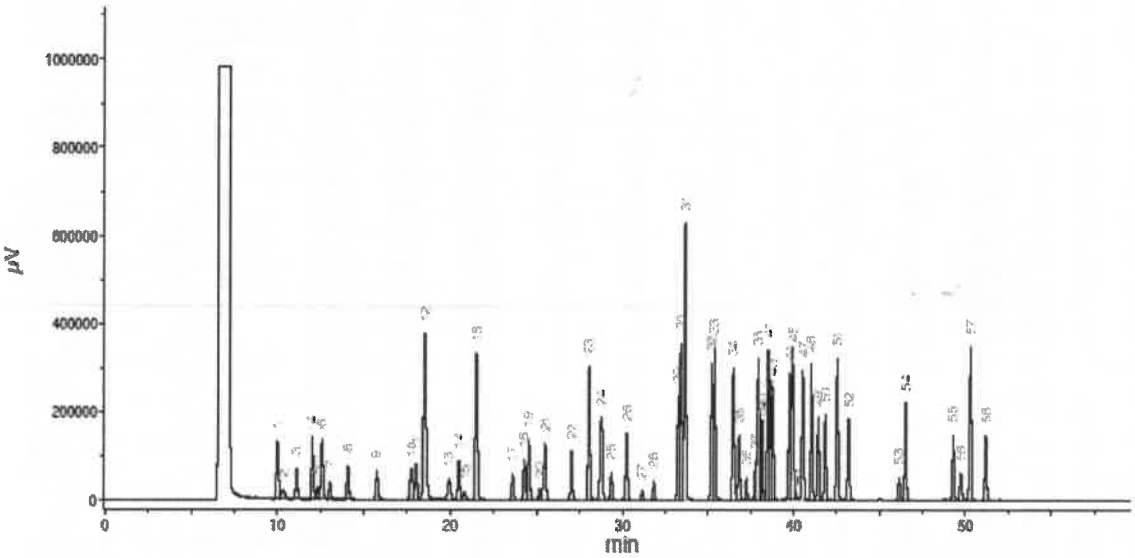
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expended Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21060	2000.2	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS000(	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06126PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20118	2001.2	8.1	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20209	2000.2	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20030	2000.5	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20570	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20415	2000.2	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20210	2000.3	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.8mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1260mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 6040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.6	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., 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	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.58
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): 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 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

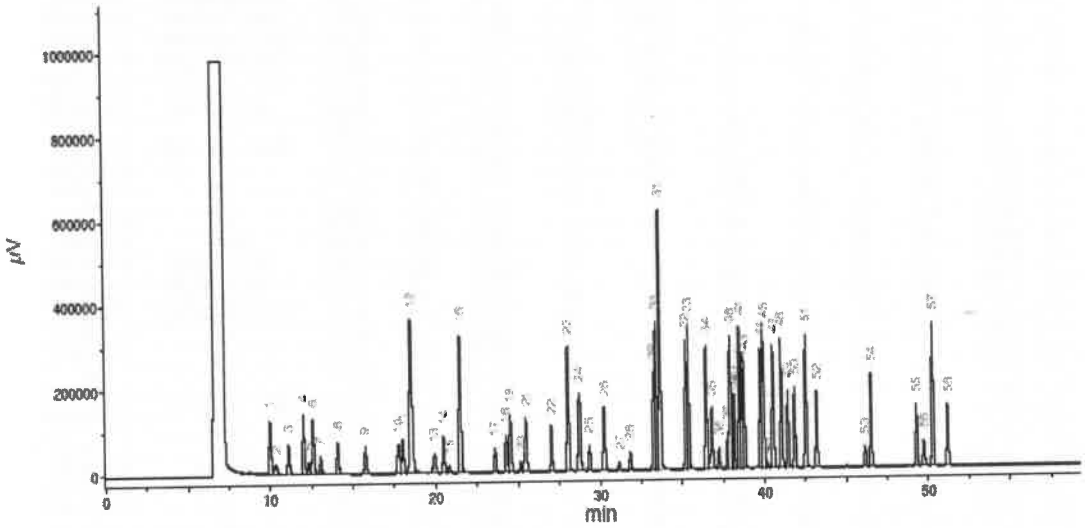
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(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	40010.6	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-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.88
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): Lot#
Methanol 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

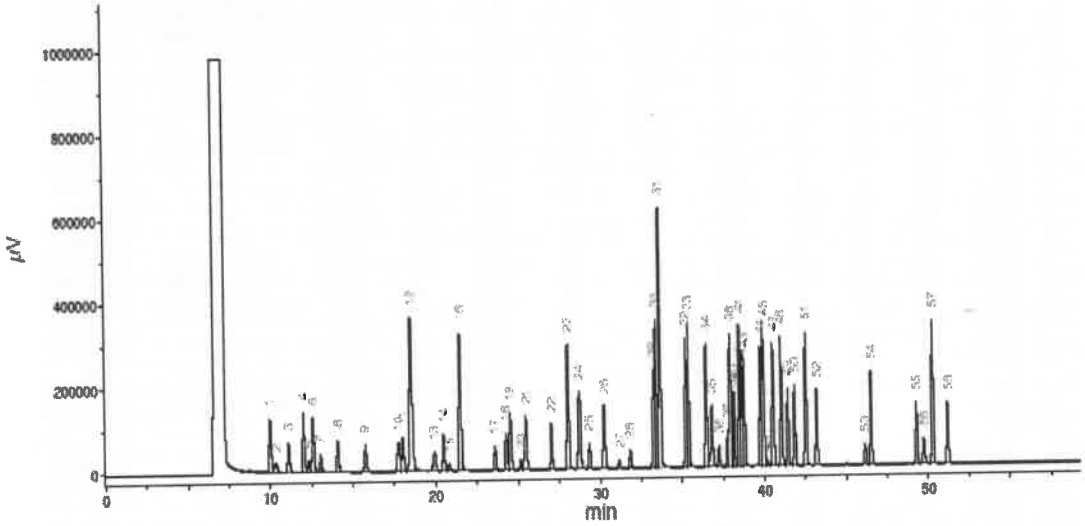
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(µg/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached 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 750mg/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-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.86
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoform	36.18
35	cis-1,4-Dichloro-2-Butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-2-Butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
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
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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

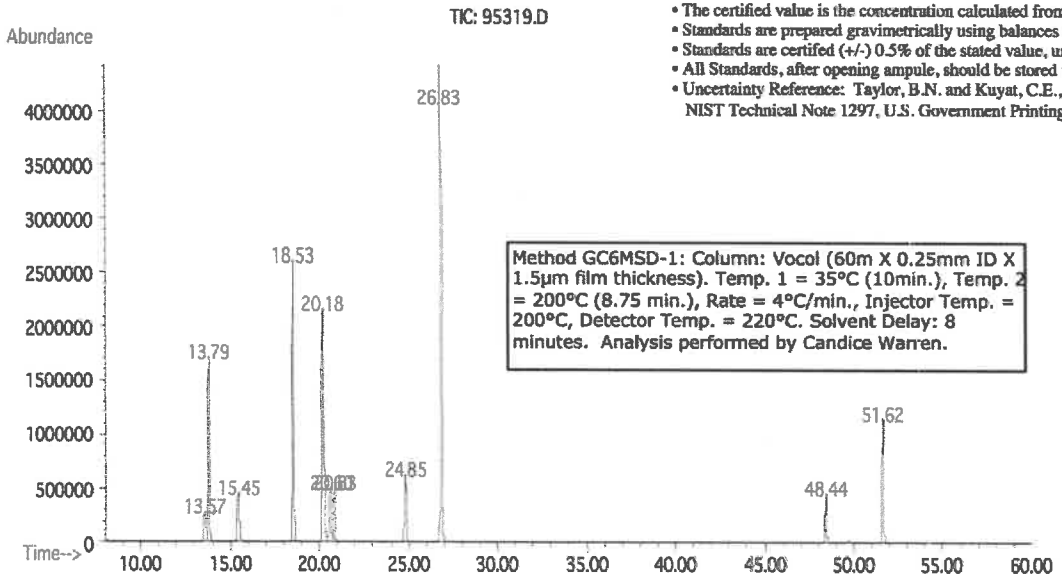
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 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.
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www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

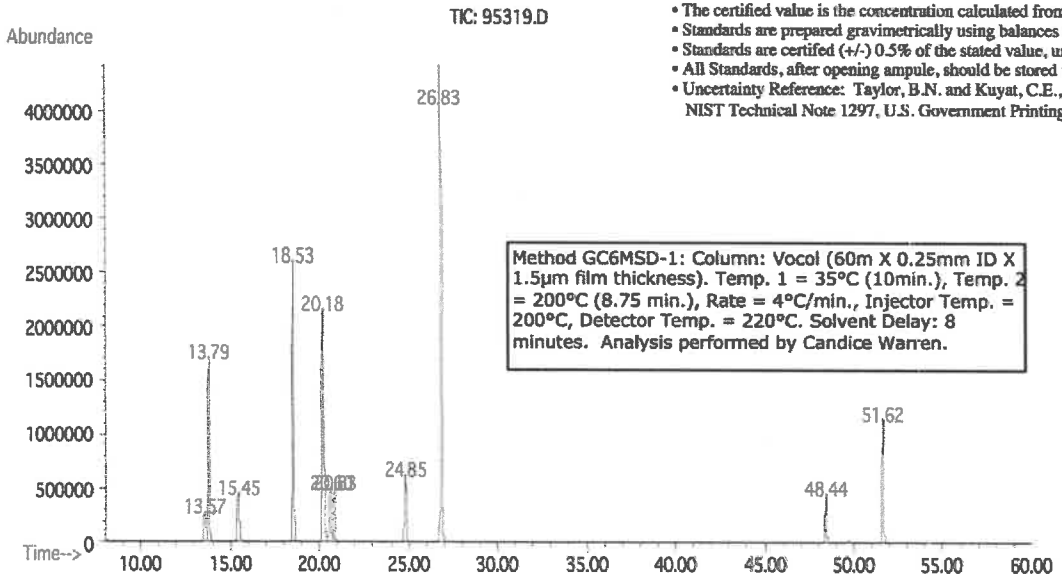
Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix
11 components
Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Solvent(s): **Lot#**
Methanol EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	orl-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20003	0.20020	2001.7	8.1	109-69-3	N/A	orl-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20203	0.20215	2001.2	8.2	110-82-7	300 ppm (1050mg/m3/8H)	orl-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	orl-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04060	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	orl-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	orl-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	orl-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00105	1.00120	10001.5	40.1	109-99-9	20 ppm (590mg/m3/8H)	orl-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21506	0.21520	2001.3	8.7	488-23-3	N/A	orl-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components:	CAS#:	LD50 Oral - Rat	OSHA PEL	% (optional)
Methanol	67-56-1	2,769 mg/kg	200 ppm	> 99

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EB679-US

Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

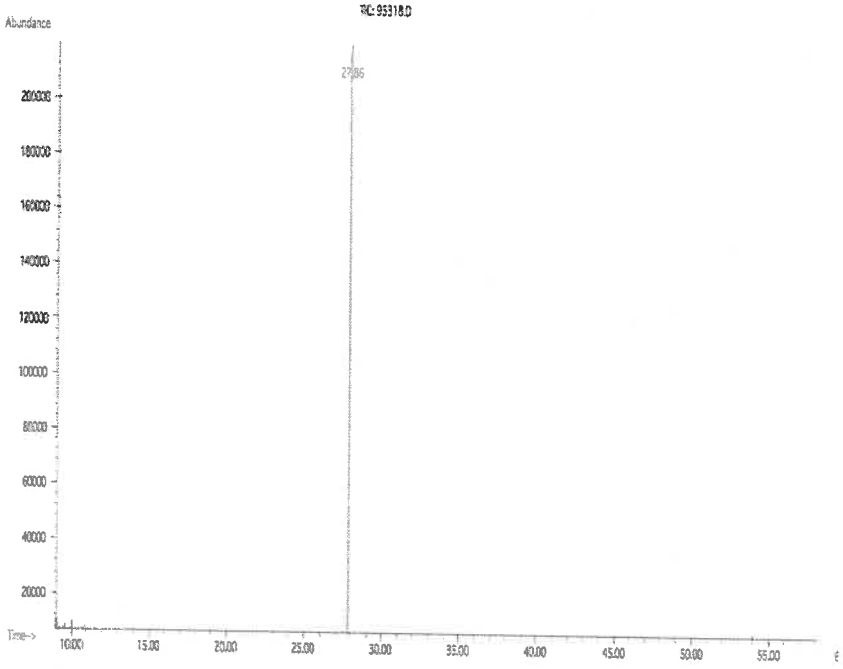
Weight(s) shown below were combined and diluted to (mL): 50.0

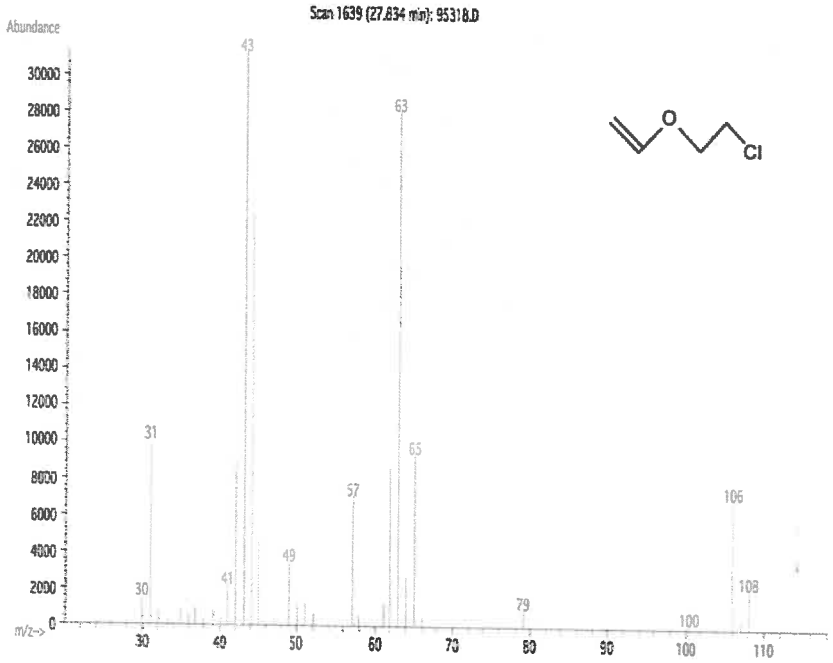
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Eli Aliaga	111722 DATE
Reviewed By:	Pedro L. Rentas	111722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50541	0.50551	10001.9	40.5	110-75-8	N/A	orl-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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- 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).

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CERTIFIED WEIGHT REPORT

2 vial

Part Number:	91980
Lot Number:	120424
Description:	Acrolein
Expiration Date:	010425
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Water	072324Q

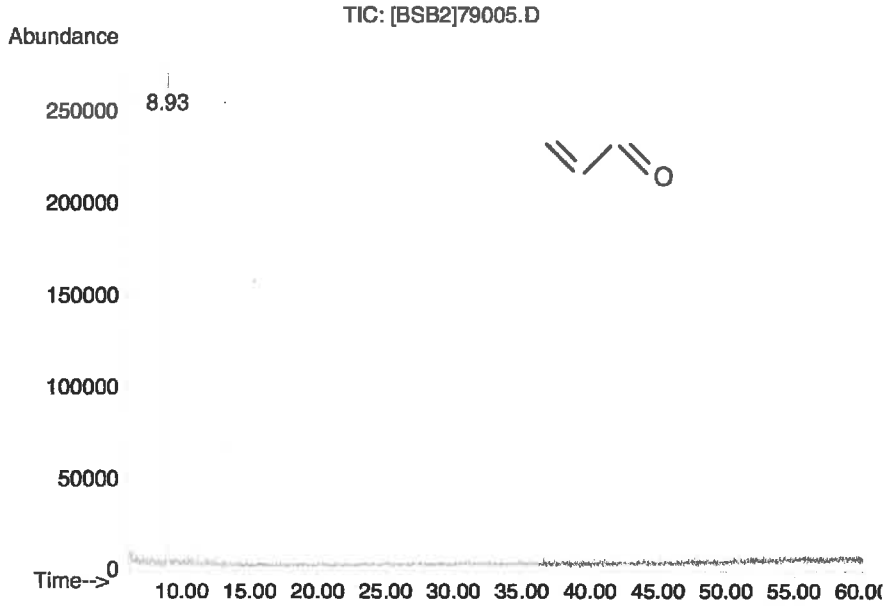
J 14655-56

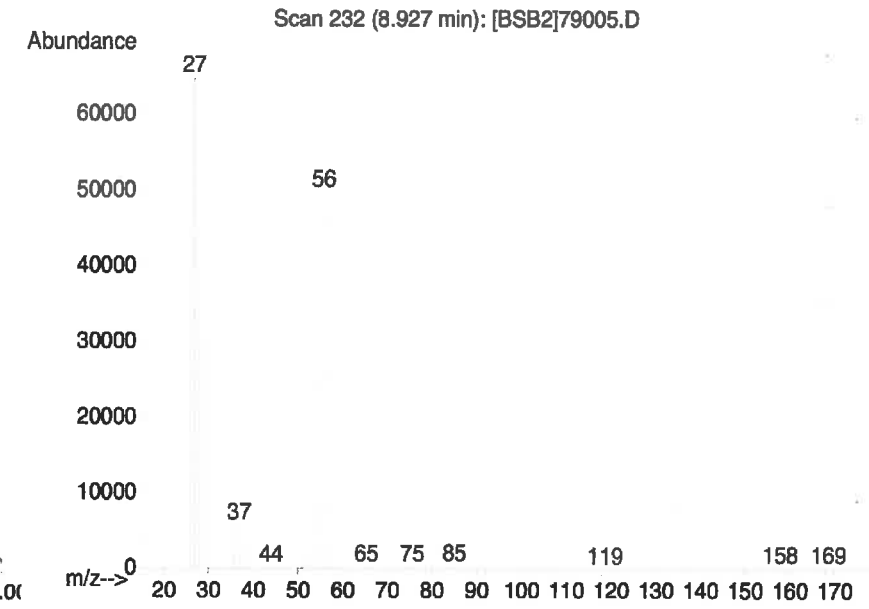
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Justin Dippold	120424 DATE
Reviewed By:	Pedro L. Rentas	120424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

2 vial

Part Number:	91980
Lot Number:	120424
Description:	Acrolein
Expiration Date:	010425
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s):	Lot#
Water	072324Q

J 14655-56

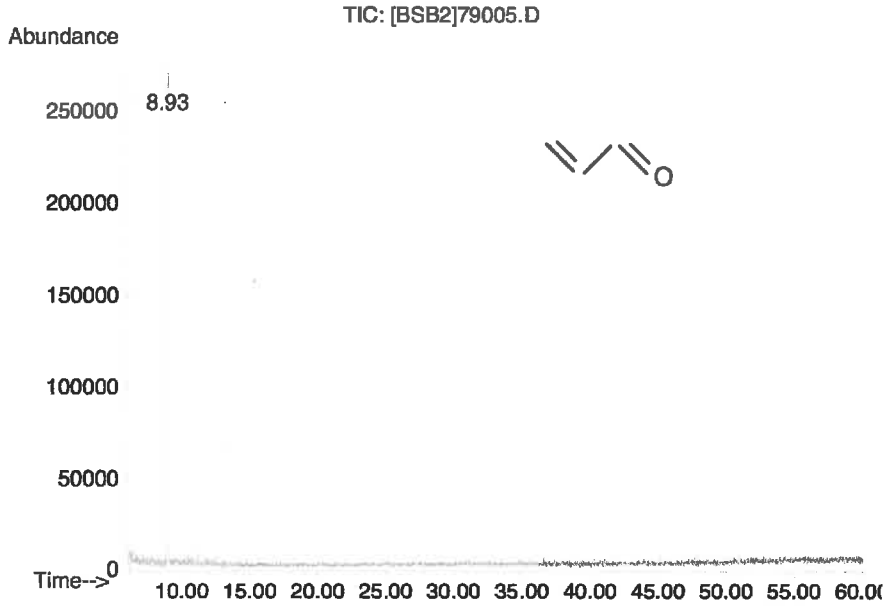
5E-05 Balance Uncertainty

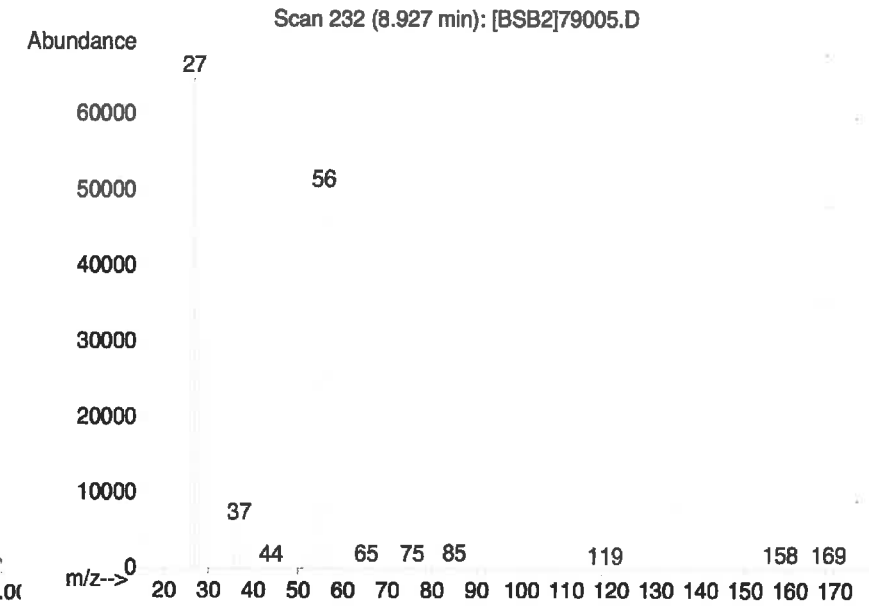
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Justin Dippold	120424 DATE
Reviewed By:	Pedro L. Rentas	120424 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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20 vial
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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

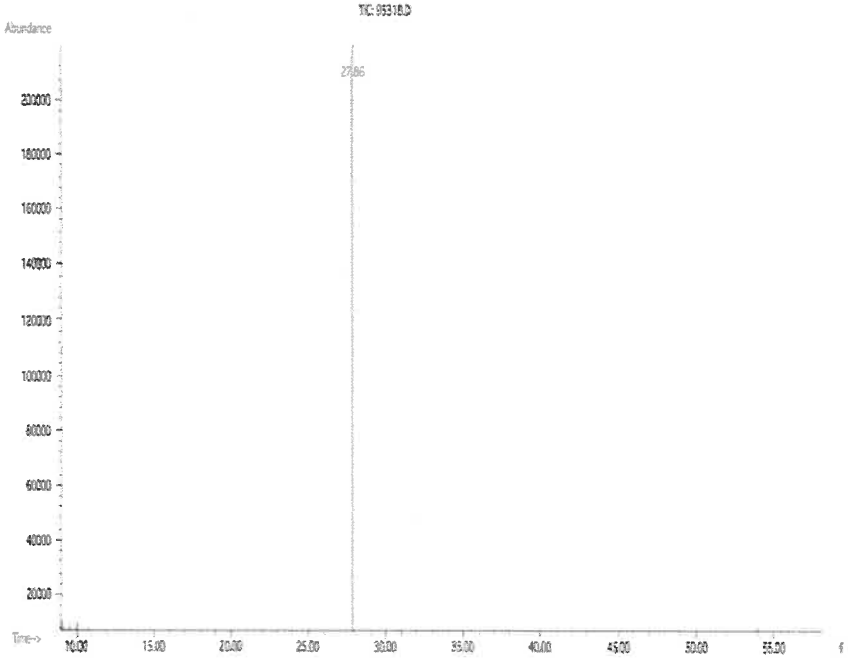
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

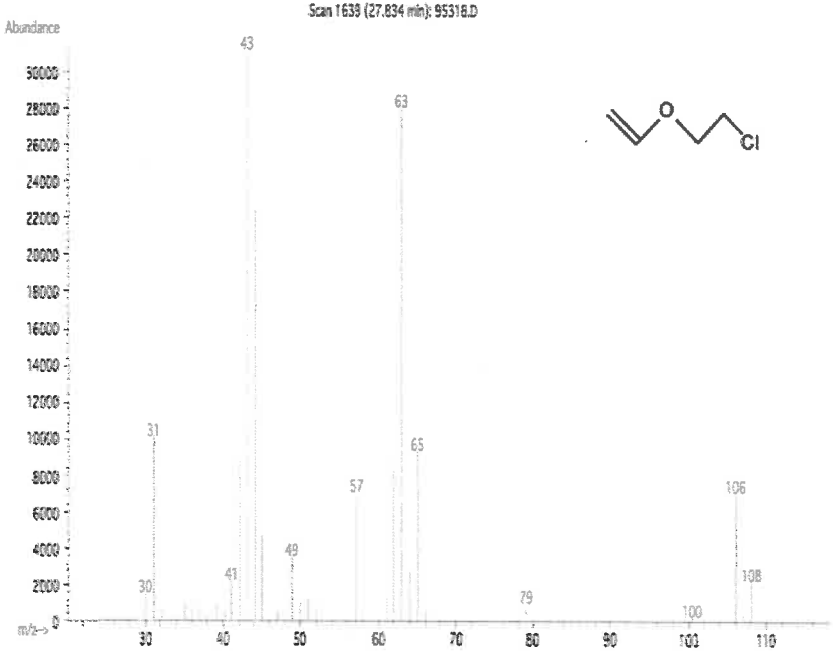
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

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Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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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.

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LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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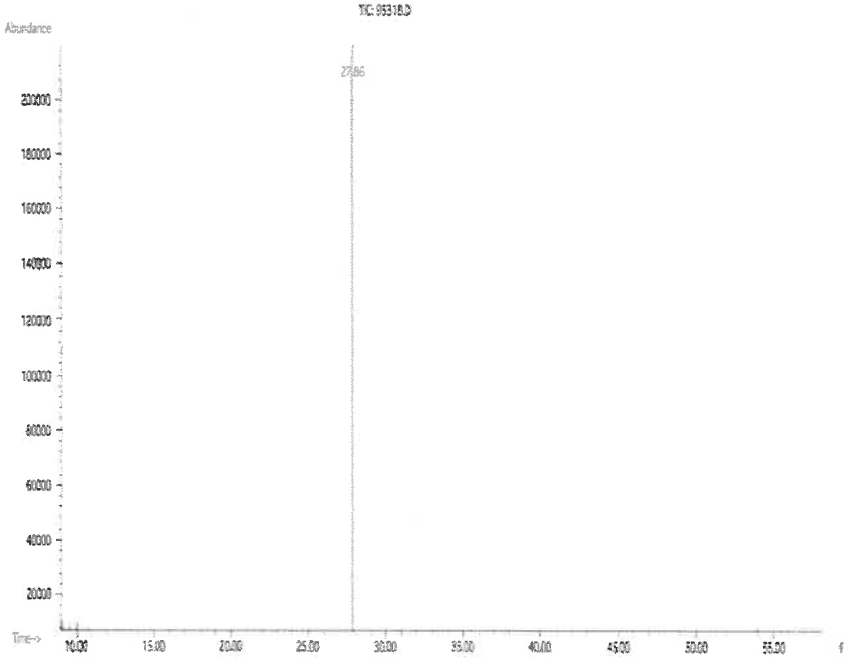

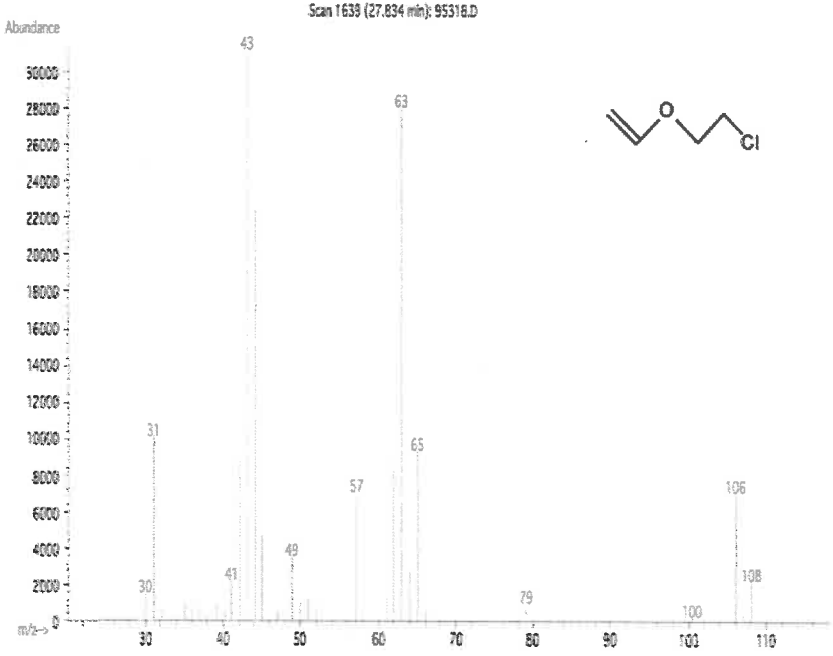

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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

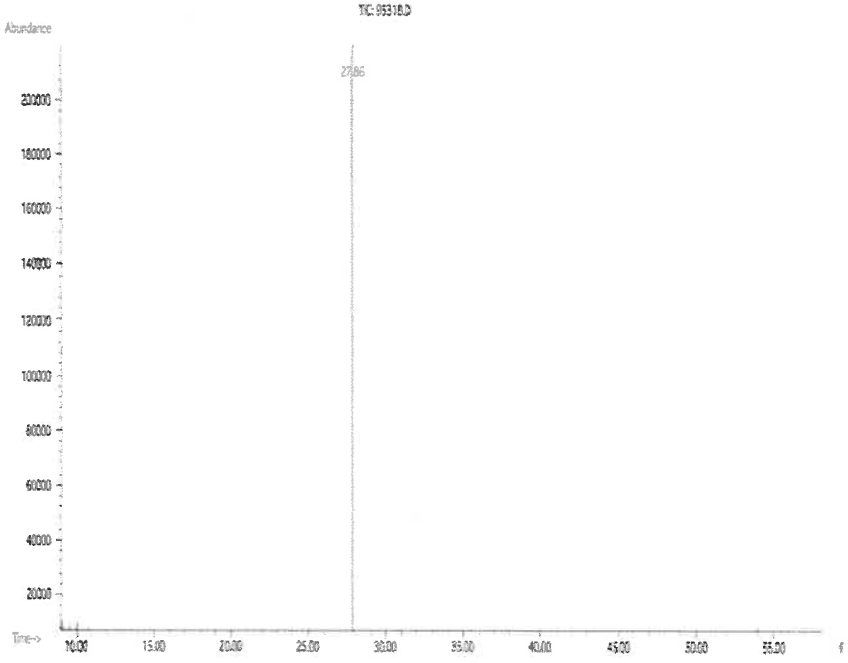
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

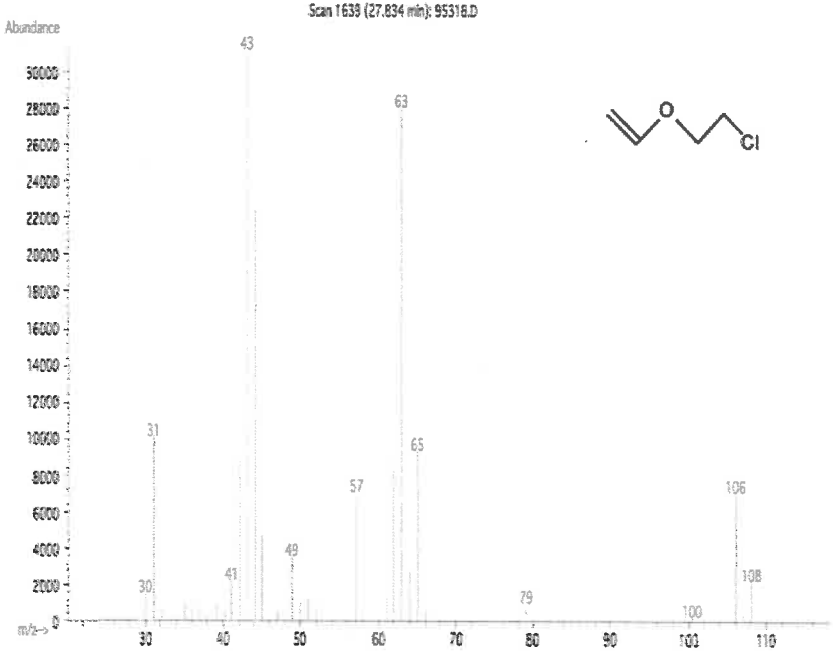
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro L. Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- 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).

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

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Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

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Possibility of hazardous reactions Vapours may form explosive mixture with air.
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UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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UN number: 1230 Class: 3 Packing group: II
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Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

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5E-05 Balance Uncertainty
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Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

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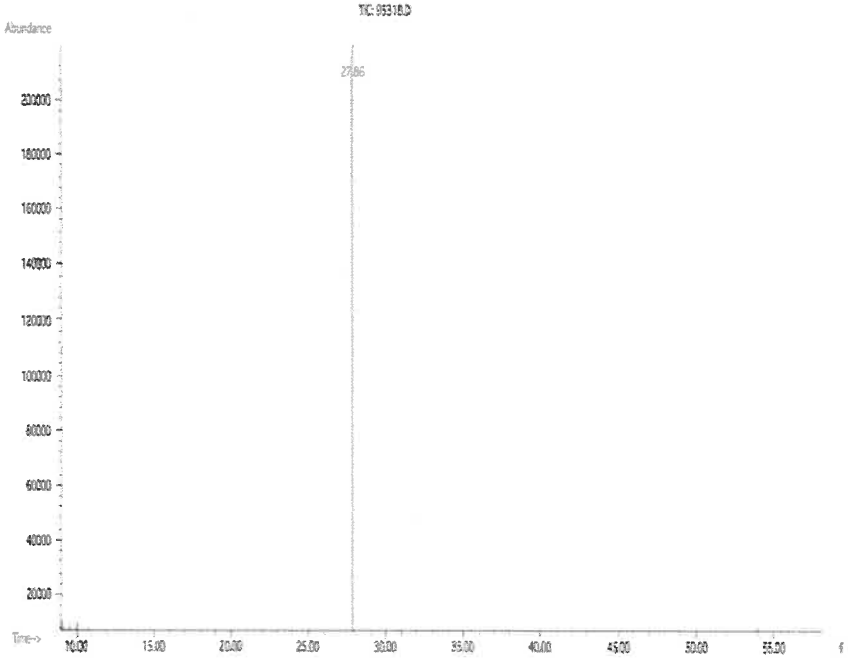

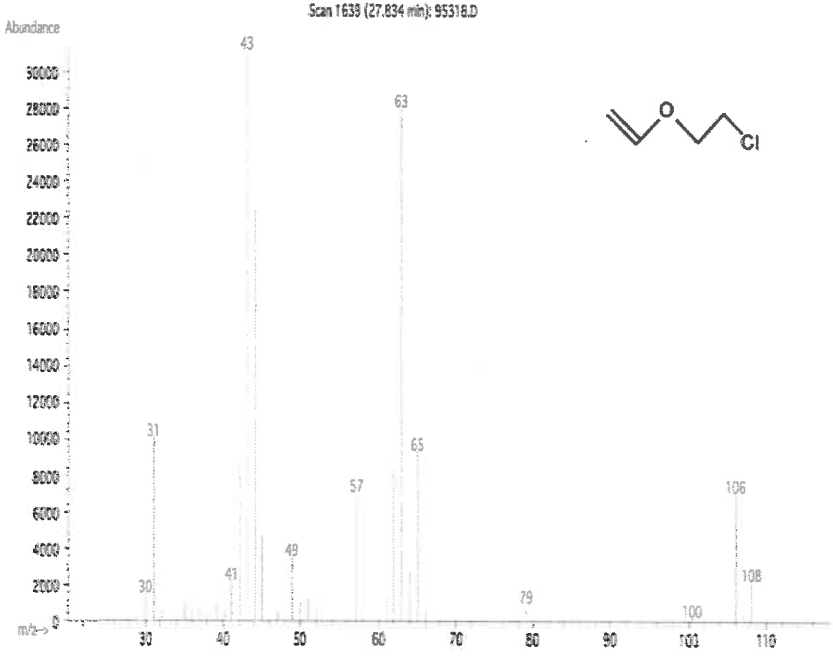

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Toxic if swallowed.

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LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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Certified Reference Material CRM

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

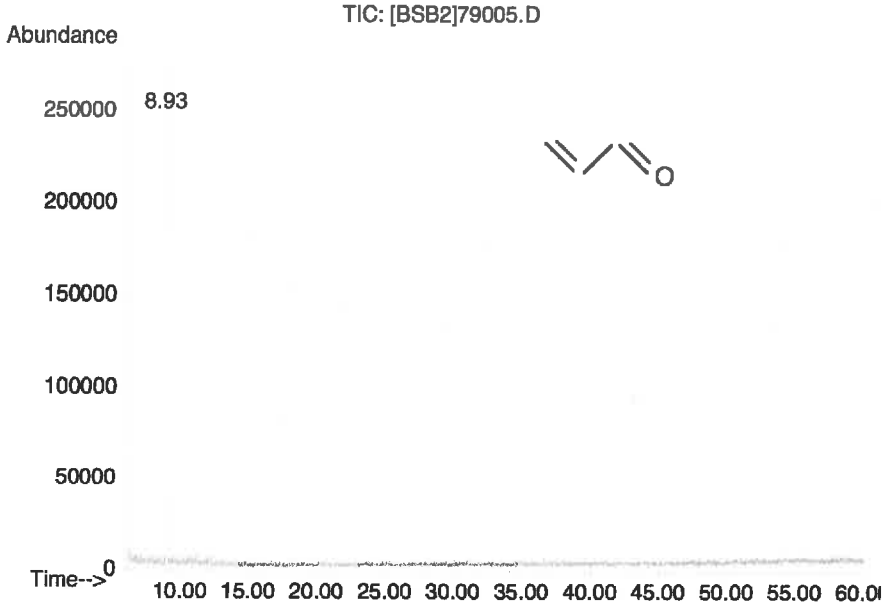
V14650-54

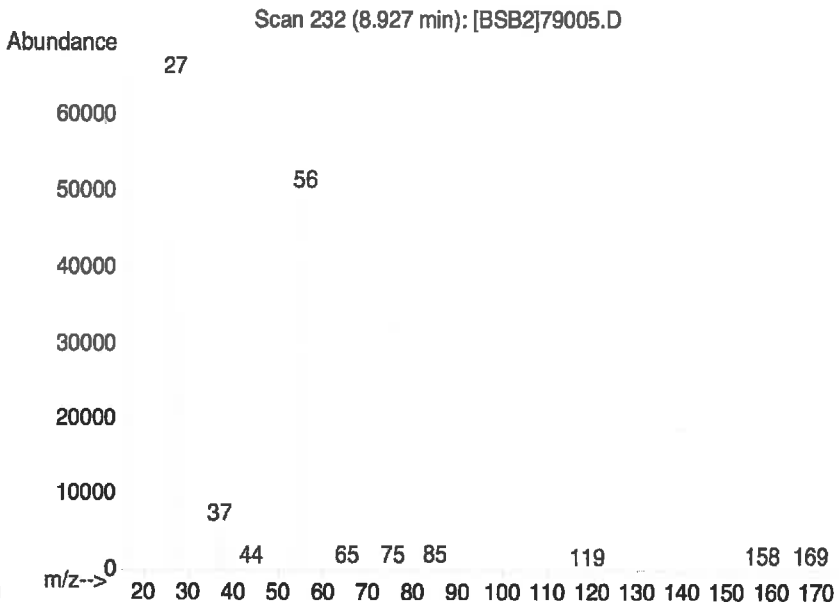
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
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Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN 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

Rec 12/6/24
5 Vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 120524
Description: Acrolein

Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

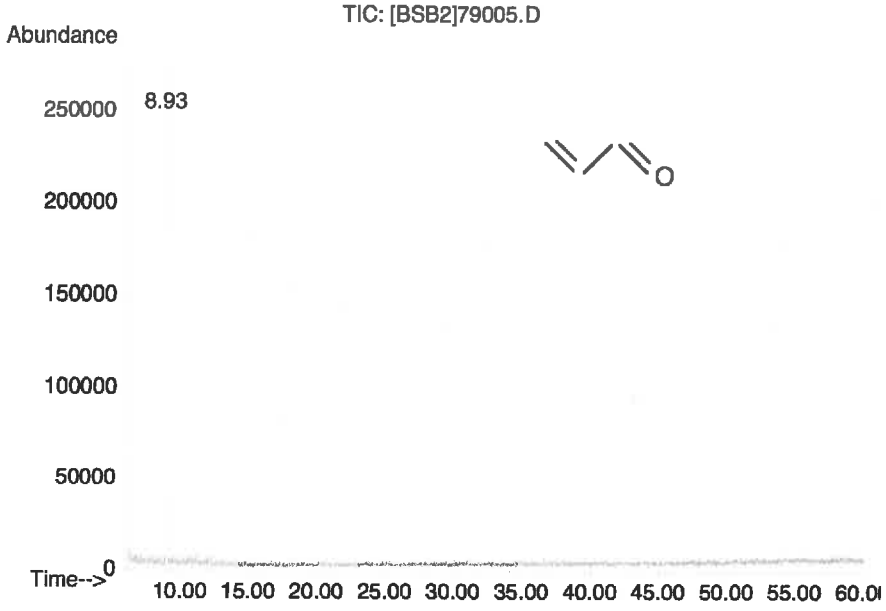
V14650-54

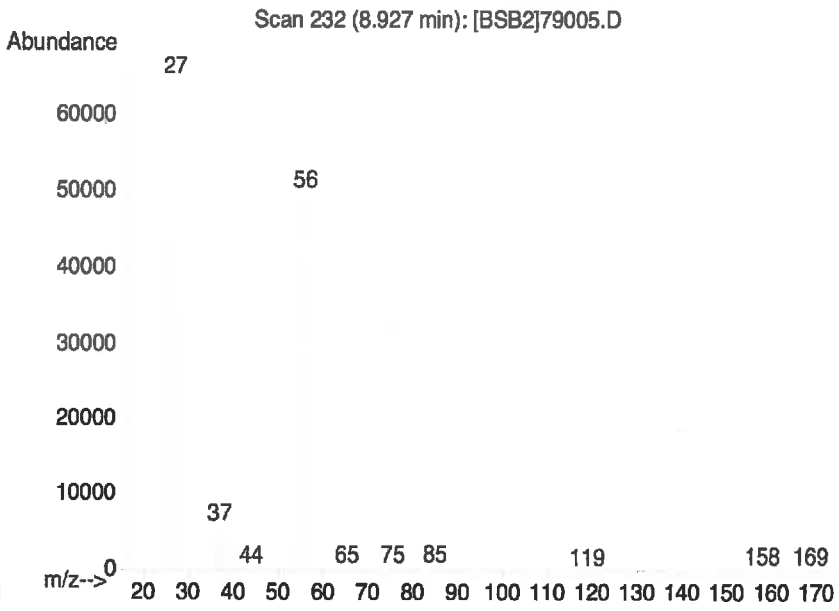
Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.





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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).

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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.
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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

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Water 072324Q

V14650-54

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
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5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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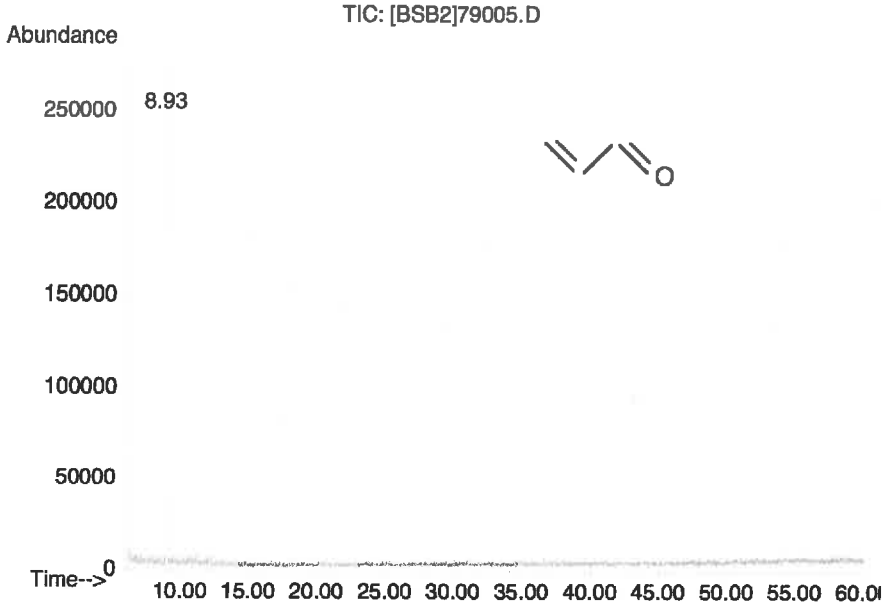

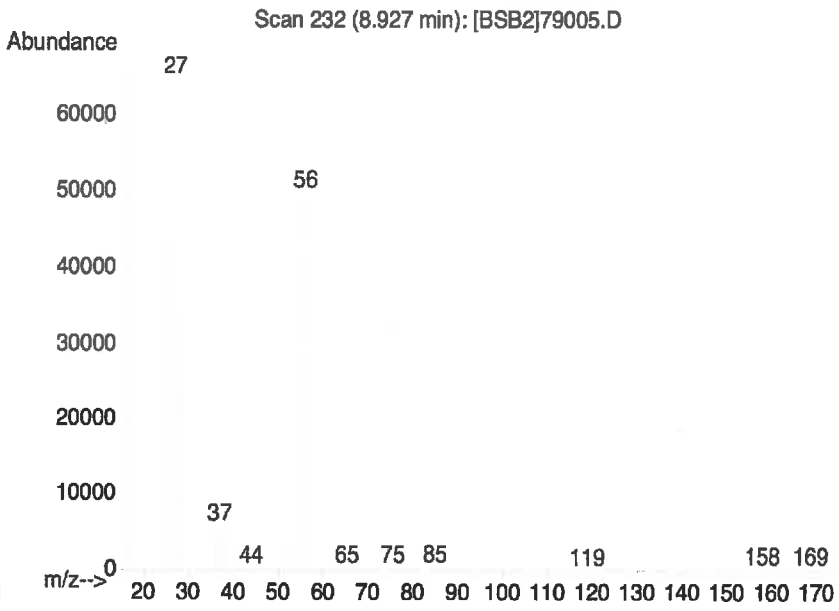

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Signal Word: DANGER

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

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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.

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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

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)

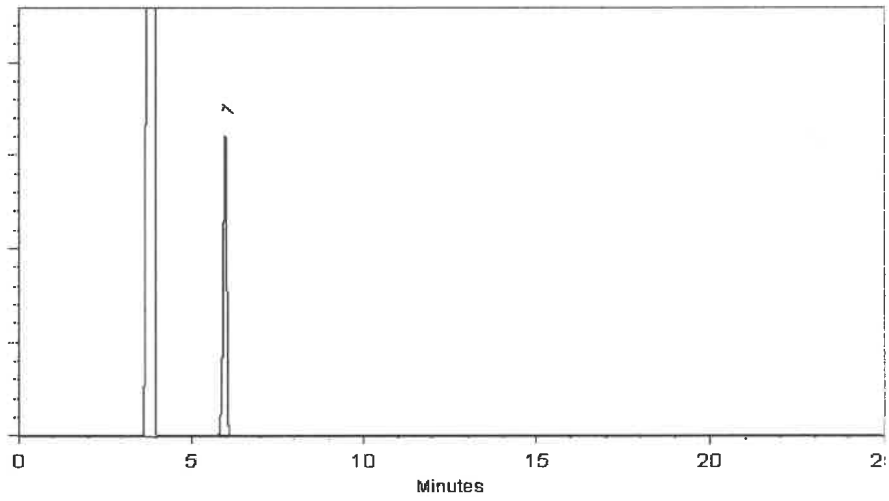
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

4 J

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	tert-Butanol (TBA)	50,122.0 µg/mL	+/- 293.4753 µg/mL	Gravimetric
	CAS # 75-65-0 (Lot 101619K21F-1)		+/- 1,073.6797 µg/mL	Unstressed
	Purity 99%		+/- 1,104.8612 µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

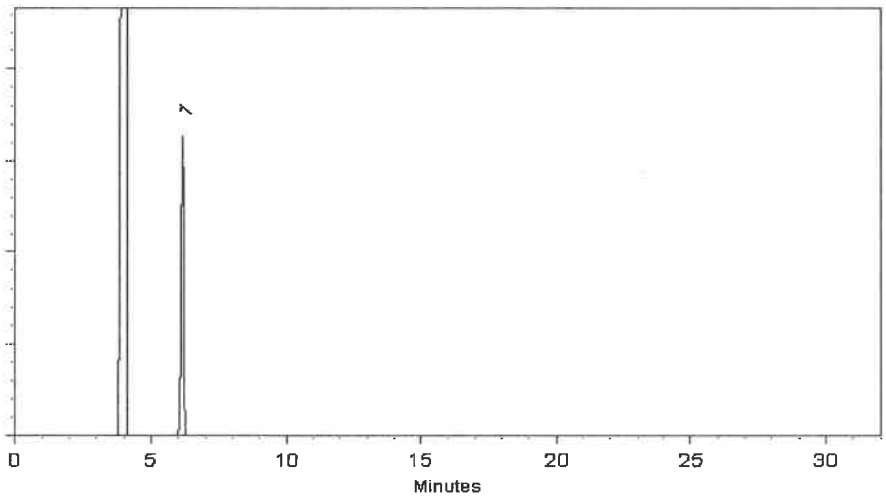
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-Nov-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

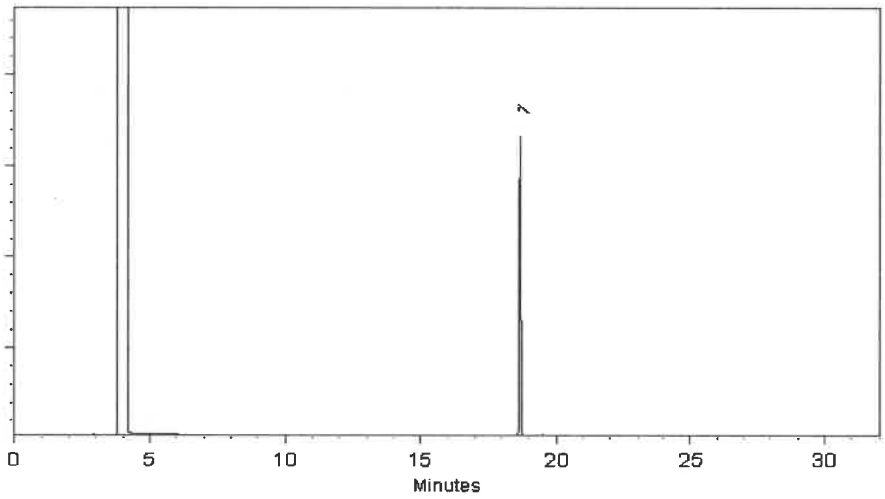
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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.)

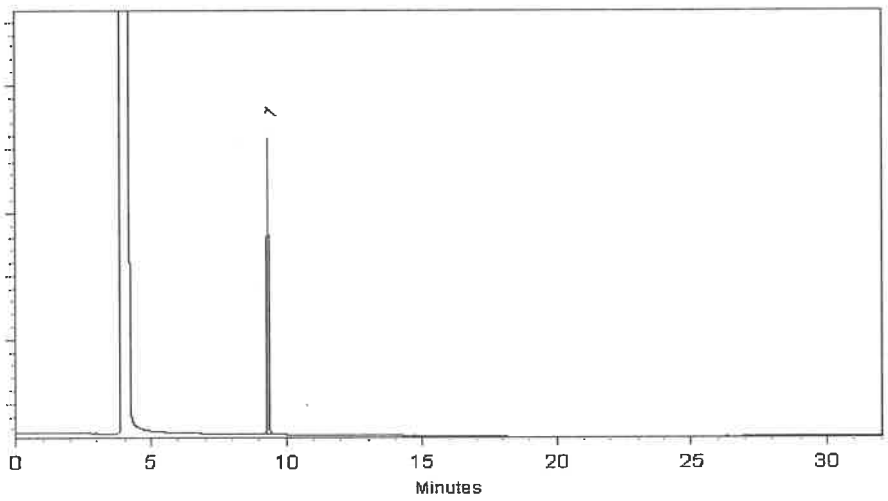
Inj. Temp:
200°C

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.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** 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.)

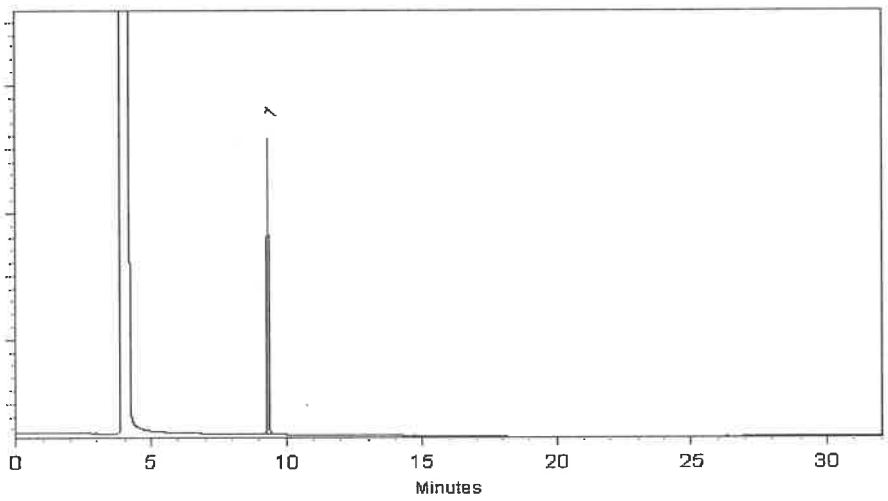
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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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:
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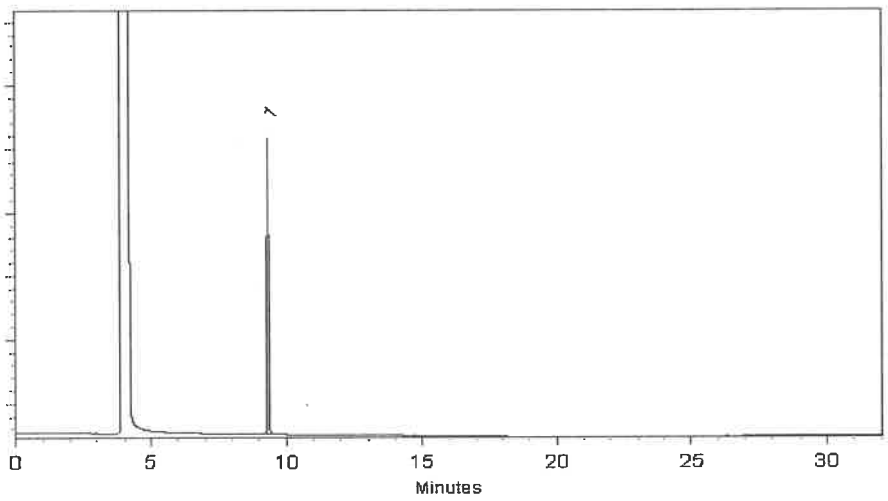
Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** 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.)

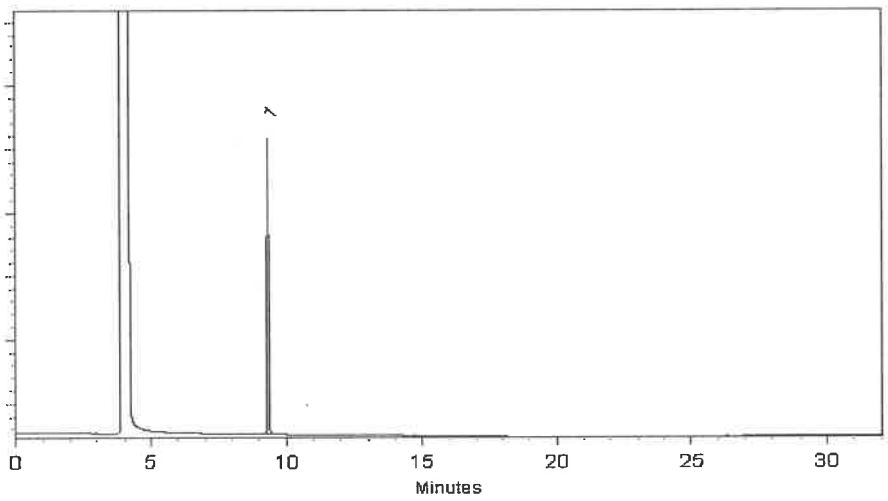
Inj. Temp:
200°C

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.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0193887

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

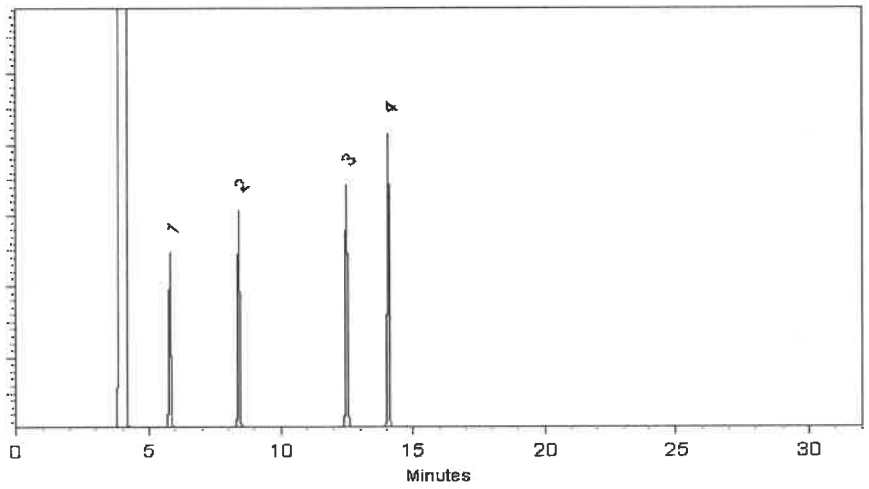
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

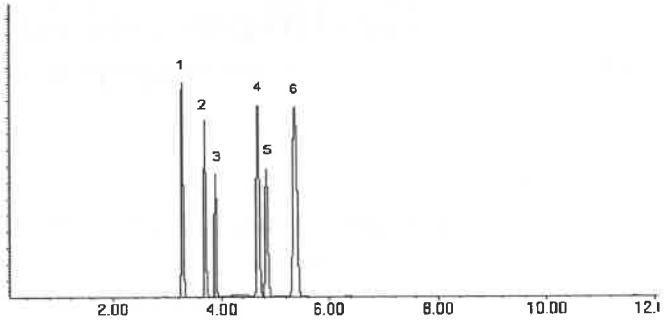
Inj. Temp:
200°C

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.
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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0197644

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2030 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.6 µg/mL	+/- 112.7159
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,002.0 µg/mL	+/- 112.7840
3	Vinyl chloride	75-01-4	00015559	99%	2,002.2 µg/mL	+/- 112.6713
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8861
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.9 µg/mL	+/- 112.5990
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	1,999.2 µg/mL	+/- 112.4861

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

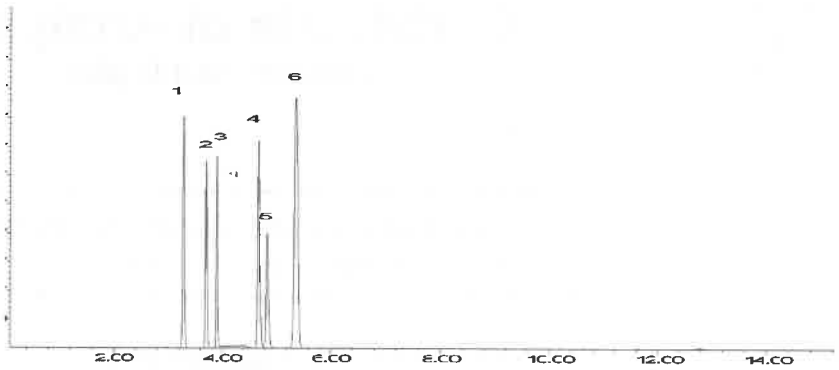
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** 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.)

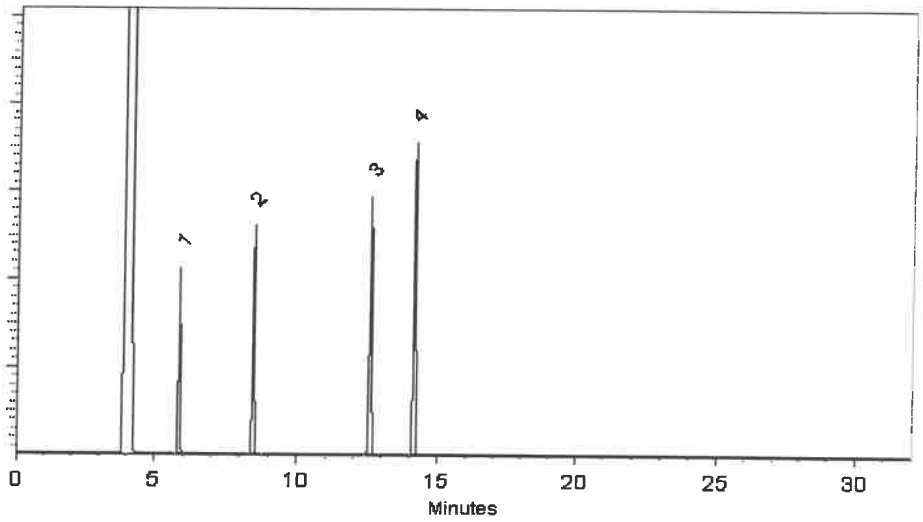
Inj. Temp:
200°C

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.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

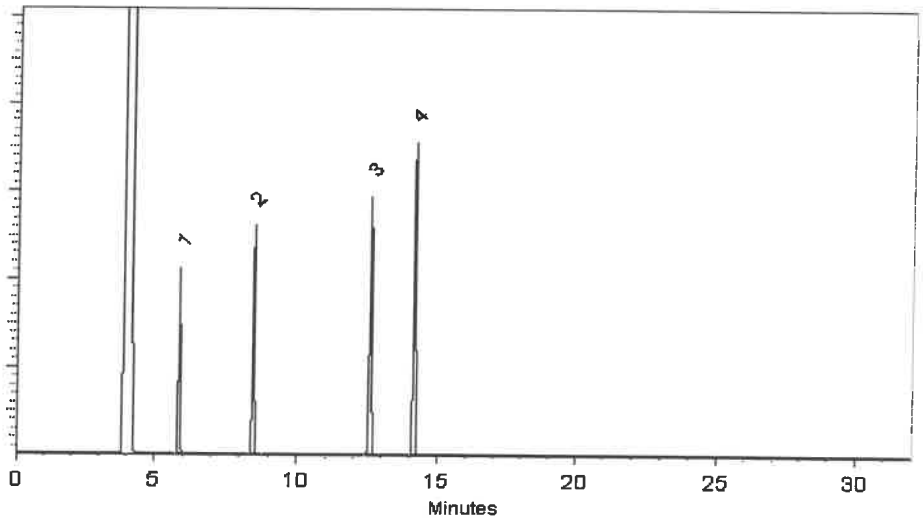
Inj. Temp:
200°C

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.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** 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.)

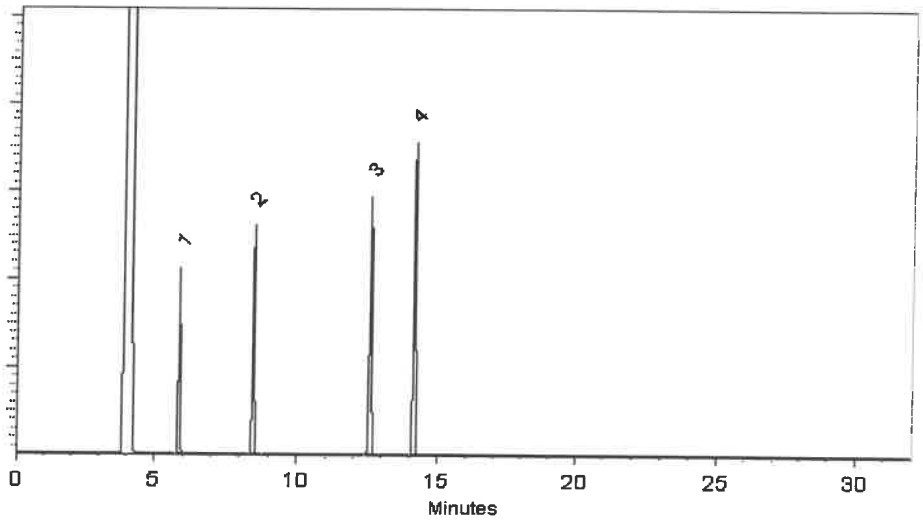
Inj. Temp:
200°C

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.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0205013

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

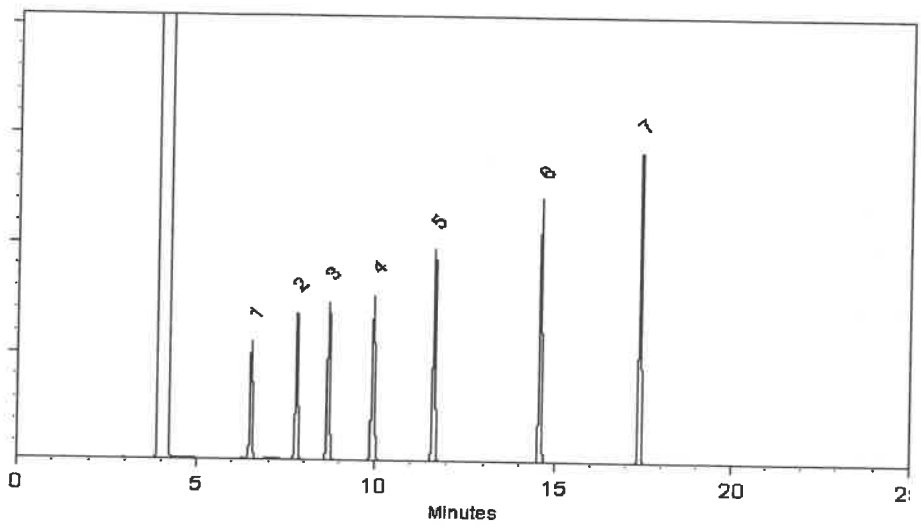
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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-FL **Lot No.:** A0205177

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%	8,047.8 µg/mL	+/- 278.1675

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

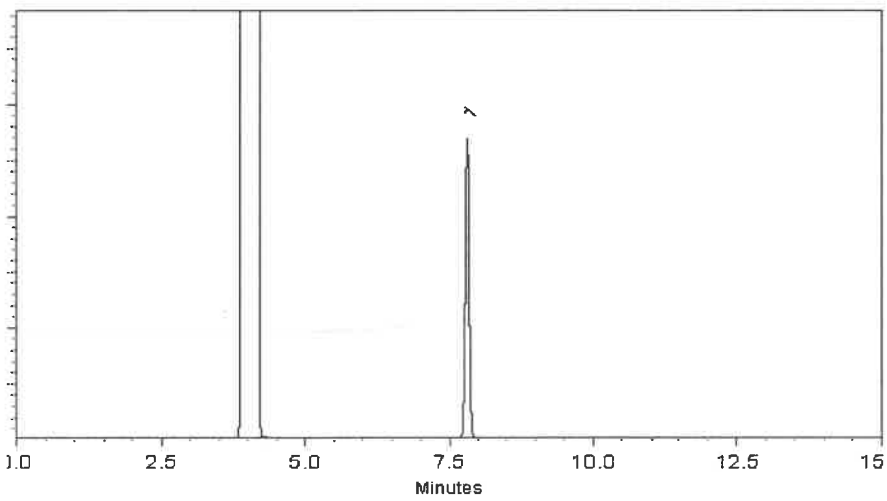
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

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.

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Certificate of Analysis

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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.)

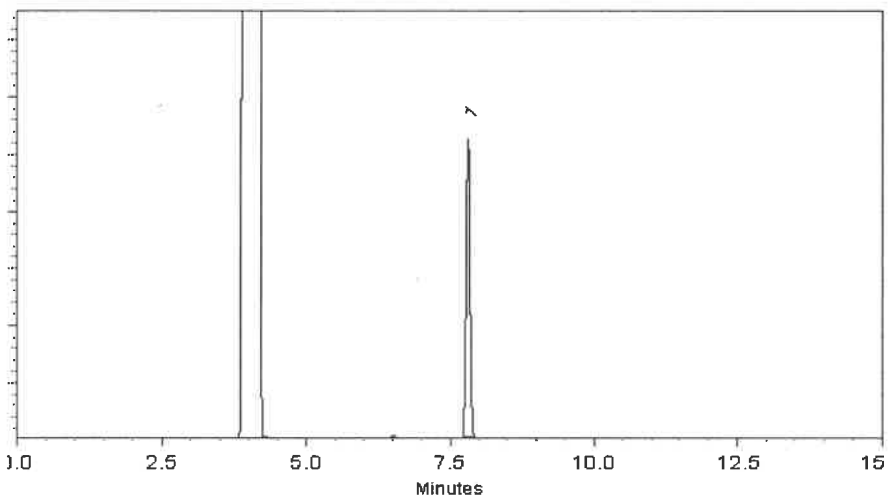
Inj. Temp:
200°C

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.

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CERTIFIED REFERENCE MATERIAL

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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.)

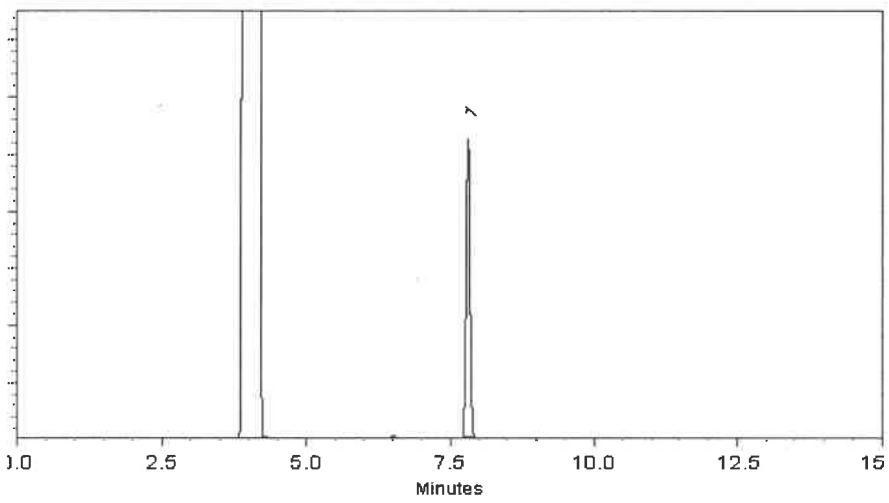
Inj. Temp:
200°C

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.
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Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

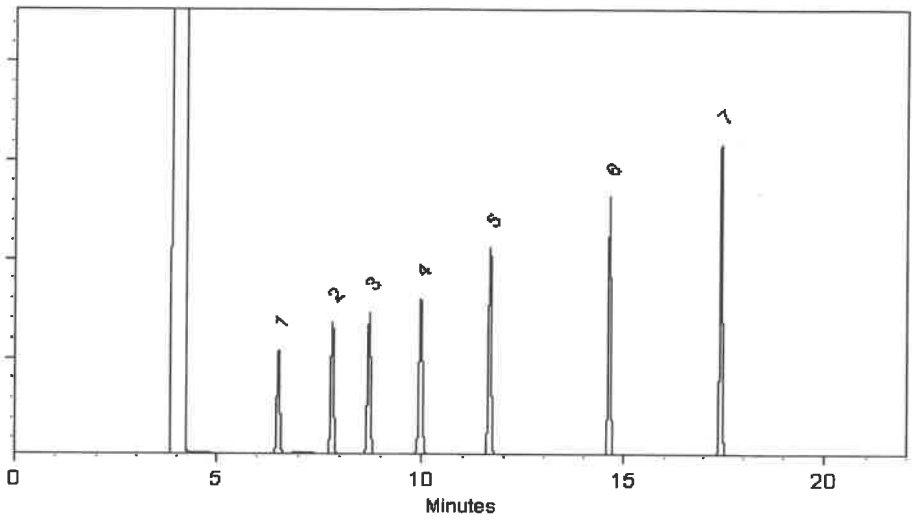
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
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5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

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reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
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Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

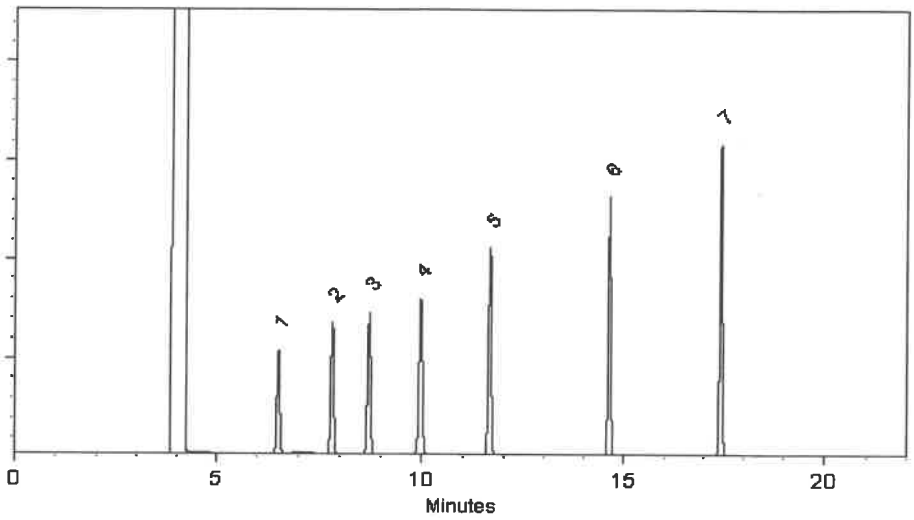
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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:

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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I **Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 70046
Lot Number: 070122
Description: Bromochloromethane

Solvent: Methanol **Lot#** EC592-US

Expiration Date: 070127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

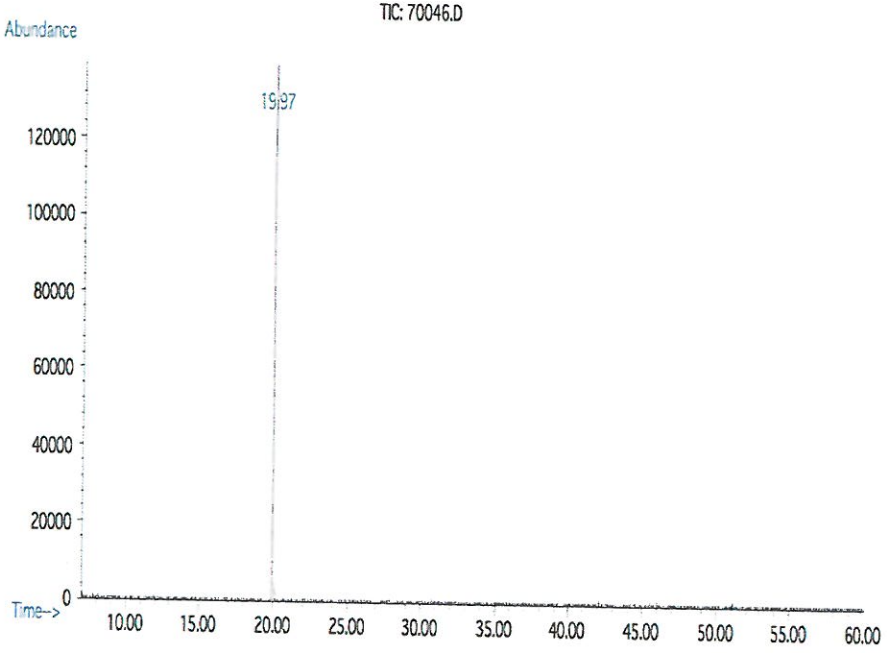
Weight(s) shown below were combined and diluted to (mL): 25.0

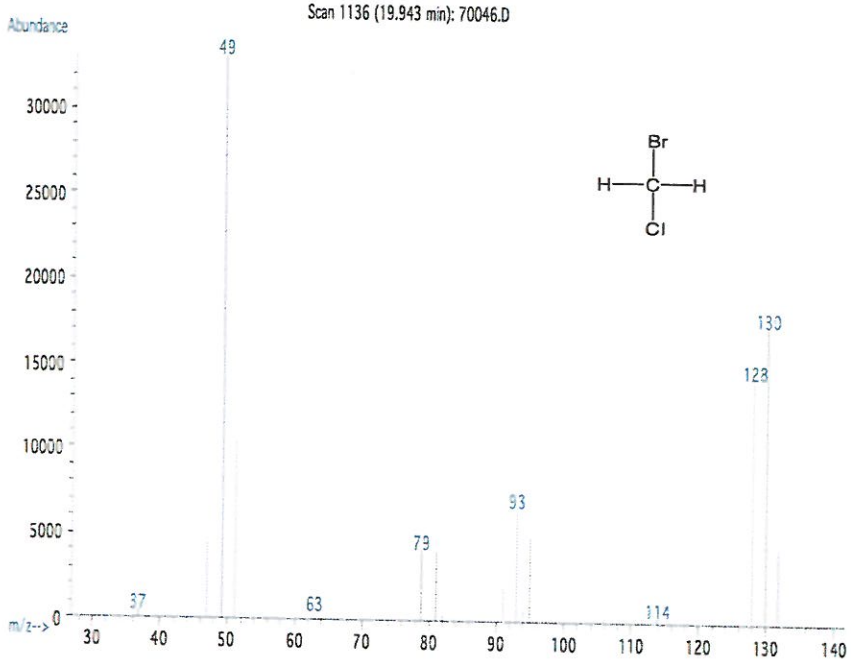
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

Formulated By:	Gabriel Helland	070122 DATE
Reviewed By:	Pedro L. Rentas	070122 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. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m3/8H)	orl-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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Titrable Base (µeq/g)	≤ 0.10	0.03
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For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
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846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

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Jamie Ethier
Vice President Global Quality

SHIPPING DOCUMENTS

P5380

Weston COC ID
Weston_20241220

Chain of Custody Record/Lab Work Request

Page 1 of 1

Client:	Weston Solutions, Inc.		
Project Manager:	David Sembrot		
Street Address:	1400 Weston Way	City:	West Chester
Phone:	610-314-5456	ST, ZIP:	PA, 19038
e-mail:	david.sembrot@westonsolutions.com		
Sampled By:	Cheyenne Harrington		

Project Name:	Fort Meade RI	Project POC:	Nathan Fretz
PO Number	0111169	Phone:	484-524-5665
W.O. #:		POC e-mail:	nathan.fretz@westonsolutions.com
Lab:	CHEMTECH	Lab POC:	Jordan Hedvat
TAT (days):	7	Lab Phone:	908-726-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

Lab Use Only		
Temperature of cooler when received (°C)		
COC Tape was present and unbroken on outer package?	Y	N
Samples received in good condition?	Y	N
Labels indicate properly preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Matrix Codes
SB- Soil
SE - Sediment
SO - Solid
SL - Sludge
GW - Groundwater
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	Analyses Requested: TCLP VOCs by EPA 8260D (1311)	TCLP SVOCs by EPA 8270E (1311)	TCLP Metals by EPA 6010D/7470A	TCLP Pesticides by EPA 8081B	TCLP Herbicides by EPA 8151A	Total Sulfide by EPA 9034	Total Cyanide by EPA 9012B	PCB by EPA 8082A	Ignitability by EPA 1030	pH by EPA 9045D	Special Instructions/Comments
Container Type:								Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	Glass	
Container Size:								25g	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	8 oz	
Preservative:								Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6 dec	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	
1	TAPIAL3-IDW-Soil-122024-T1	c	DS	6	no	12/20/2024	14:15	X	X	X	X	X	X	X	X	X	X	expedited 7 day TAT
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Shipping Airbill Number(s):

Cooler Number: 1 of 1

	Relinquished By	Date	Time	Received By	Date	Time	Additional Comments
1.)	Sal A/M	12/20/24	18:00	Rec	12/21/24	11:00	QSM 6.0 Compliant
2.)						2-3°	Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD
3.)							

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

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 28 00:04:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	156166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	274313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	239296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	223438	100.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 200.620%#			
35) Dibromofluoromethane	8.159	113	173043	101.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 202.240%#			
50) Toluene-d8	10.565	98	652176	103.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 207.700%#			
62) 4-Bromofluorobenzene	12.847	95	223549	107.189	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 214.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	211530	100.154	ug/l	98
3) Chloromethane	2.359	50	210461	88.661	ug/l	95
4) Vinyl Chloride	2.512	62	239141	95.258	ug/l	97
5) Bromomethane	2.948	94	150300	91.543	ug/l	95
6) Chloroethane	3.118	64	153144	96.191	ug/l	98
7) Trichlorofluoromethane	3.500	101	319456	96.803	ug/l	98
8) Diethyl Ether	3.953	74	113060	103.470	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	182437	97.156	ug/l	98
10) Methyl Iodide	4.589	142	221288	101.834	ug/l	96
11) Tert butyl alcohol	5.512	59	125490	449.925	ug/l	98
12) 1,1-Dichloroethene	4.342	96	171462	98.802	ug/l	99
13) Acrolein	4.171	56	204340	469.915	ug/l	97
14) Allyl chloride	5.018	41	270904	97.537	ug/l	99
15) Acrylonitrile	5.712	53	425762	484.988	ug/l	99
16) Acetone	4.418	43	340922	465.473	ug/l	98
17) Carbon Disulfide	4.712	76	484441	91.760	ug/l	100
18) Methyl Acetate	5.018	43	215207	95.974	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	586031	103.894	ug/l	99
20) Methylene Chloride	5.271	84	189358	96.119	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	177119	97.703	ug/l	99
22) Diisopropyl ether	6.665	45	623798	104.224	ug/l	99
23) Vinyl Acetate	6.594	43	2319612	512.292	ug/l	98
24) 1,1-Dichloroethane	6.559	63	357527	99.165	ug/l	99
25) 2-Butanone	7.471	43	557035	490.229	ug/l	99
26) 2,2-Dichloropropane	7.488	77	318743	100.909	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	218963	102.909	ug/l	97
28) Bromochloromethane	7.806	49	174969	104.430	ug/l #	98
29) Tetrahydrofuran	7.830	42	374323	511.419	ug/l	99
30) Chloroform	7.959	83	360866	97.837	ug/l	98
31) Cyclohexane	8.253	56	307196	93.310	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	325760	98.891	ug/l	97
36) 1,1-Dichloropropene	8.365	75	263076	104.994	ug/l	99
37) Ethyl Acetate	7.553	43	239186	96.040	ug/l	99
38) Carbon Tetrachloride	8.359	117	282846	103.563	ug/l	97
39) Methylcyclohexane	9.594	83	296114	113.903	ug/l	98
40) Benzene	8.600	78	774590	102.248	ug/l	99

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
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Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 28 00:04:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	137768	108.014	ug/l		99
42) 1,2-Dichloroethane	8.665	62	268298	98.781	ug/l		99
43) Isopropyl Acetate	8.682	43	426602	104.030	ug/l		100
44) Trichloroethene	9.347	130	179832	100.266	ug/l		97
45) 1,2-Dichloropropane	9.618	63	193438	100.585	ug/l		99
46) Dibromomethane	9.700	93	135558	101.355	ug/l		99
47) Bromodichloromethane	9.882	83	288439	103.761	ug/l		98
48) Methyl methacrylate	9.677	41	194022	109.038	ug/l		98
49) 1,4-Dioxane	9.688	88	56273	2096.049	ug/l	#	85
51) 4-Methyl-2-Pentanone	10.441	43	1211949	525.905	ug/l		99
52) Toluene	10.624	92	483534	107.195	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	304711	111.463	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	319172	107.971	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	172065	101.034	ug/l		96
56) Ethyl methacrylate	10.871	69	292009	117.730	ug/l		99
57) 1,3-Dichloropropane	11.159	76	311119	104.087	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	682916	569.087	ug/l		99
59) 2-Hexanone	11.188	43	858322	536.829	ug/l		99
60) Dibromochloromethane	11.353	129	211482	110.251	ug/l		98
61) 1,2-Dibromoethane	11.465	107	174500	103.568	ug/l		99
64) Tetrachloroethene	11.100	164	153652	101.335	ug/l		97
65) Chlorobenzene	11.888	112	516861	99.951	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	179160	103.229	ug/l		99
67) Ethyl Benzene	11.959	91	942995	109.652	ug/l		100
68) m/p-Xylenes	12.065	106	713871	226.828	ug/l		100
69) o-Xylene	12.394	106	338950	111.332	ug/l		98
70) Styrene	12.406	104	578718	117.286	ug/l		99
71) Bromoform	12.570	173	130453	108.523	ug/l	#	100
73) Isopropylbenzene	12.688	105	865504	108.621	ug/l		100
74) N-amyl acetate	12.488	43	373392	109.477	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	240405	94.731	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	326002	101.263	ug/l		58
77) Bromobenzene	12.976	156	191802	97.157	ug/l		99
78) n-propylbenzene	13.029	91	1026870	110.557	ug/l		100
79) 2-Chlorotoluene	13.123	91	602668	103.099	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	706917	109.682	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	91679	104.238	ug/l		98
82) 4-Chlorotoluene	13.217	91	607903	103.257	ug/l		100
83) tert-Butylbenzene	13.435	119	608882	109.059	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	719806	112.160	ug/l		98
85) sec-Butylbenzene	13.612	105	867992	112.004	ug/l		100
86) p-Isopropyltoluene	13.723	119	736735	118.067	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	364480	101.845	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	361871	98.432	ug/l		100
89) n-Butylbenzene	14.053	91	644347	113.544	ug/l		99
90) Hexachloroethane	14.329	117	136982	107.835	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	338794	99.377	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43244	95.745	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	178476	104.895	ug/l		100
94) Hexachlorobutadiene	15.494	225	76348	90.312	ug/l		99
95) Naphthalene	15.635	128	568171	98.477	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	168986	99.403	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 28 00:04:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

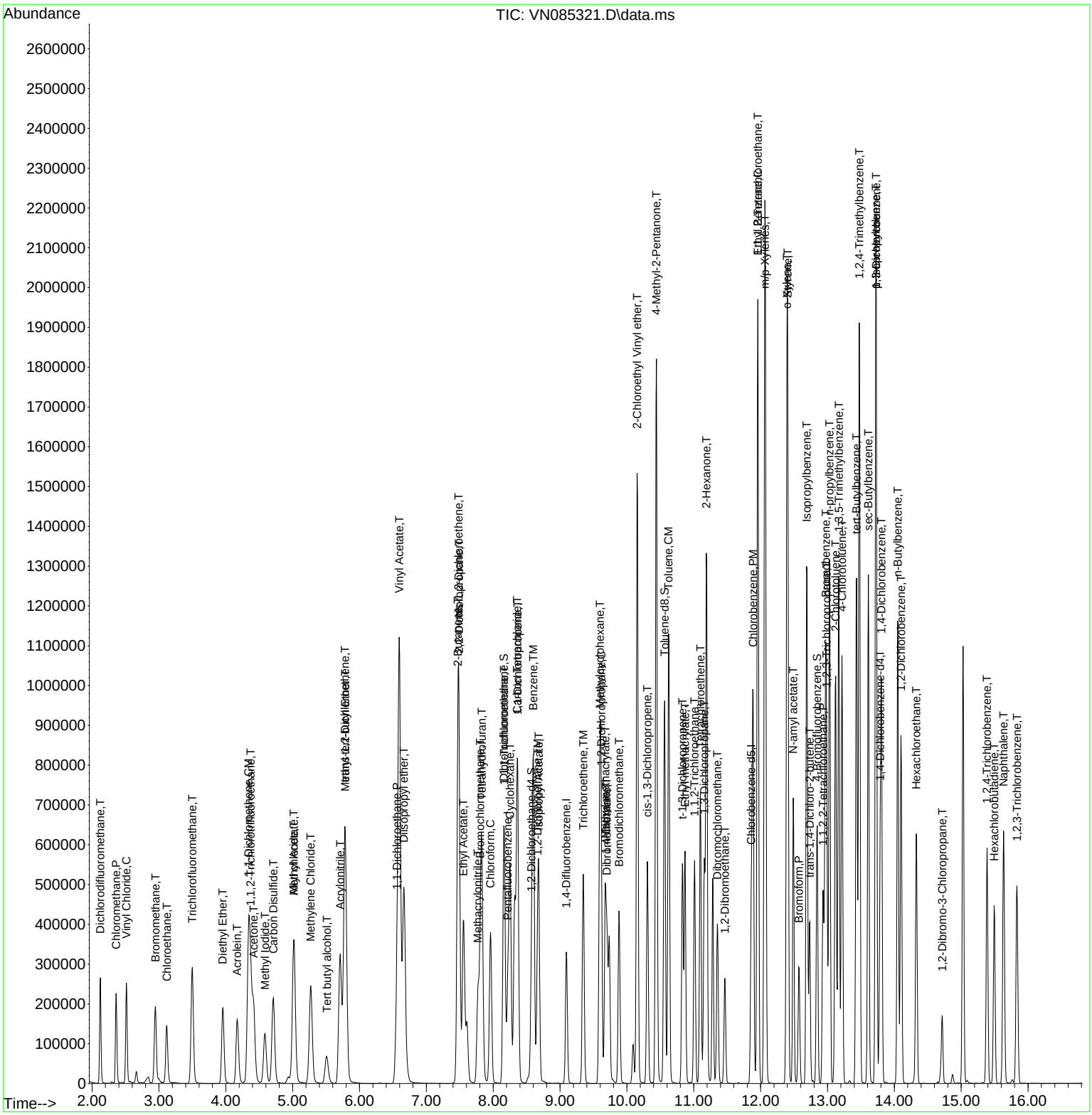
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

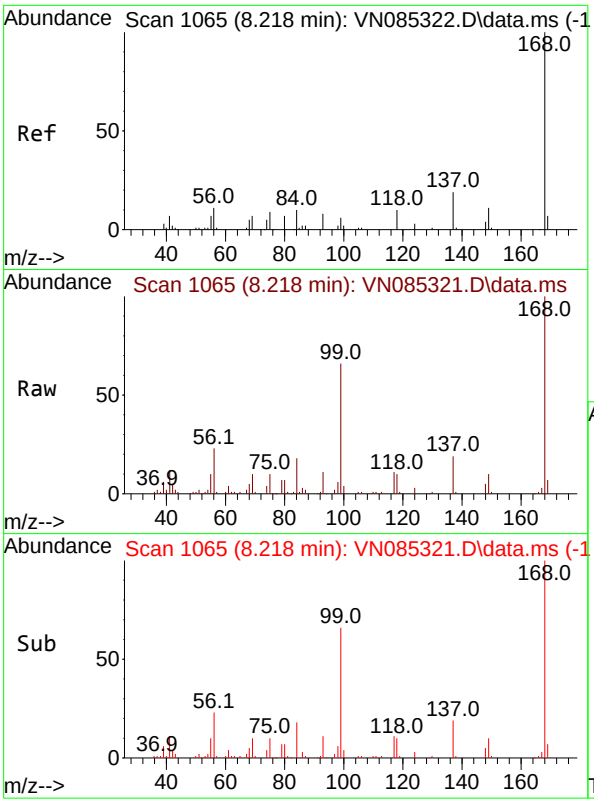
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Dec 28 00:04:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



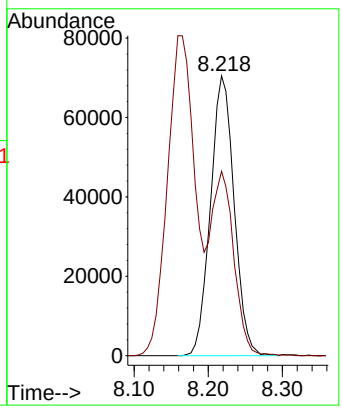


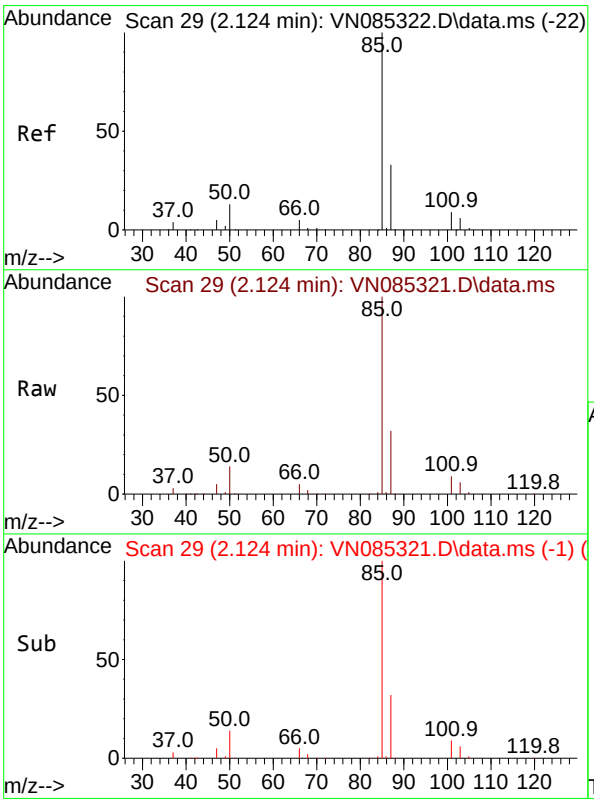
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 156166

Ion	Ratio	Lower	Upper
168	100		
99	65.7	51.0	76.4

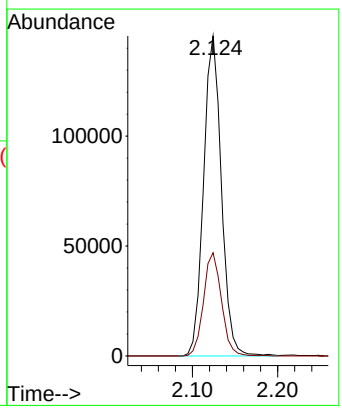


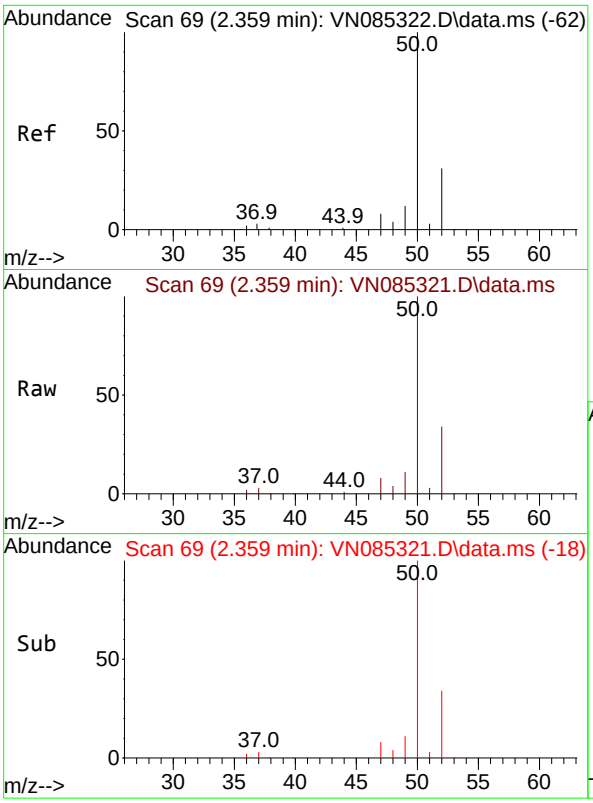


#2
Dichlorodifluoromethane
Concen: 100.154 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 85 Resp: 211530

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.8	50.3



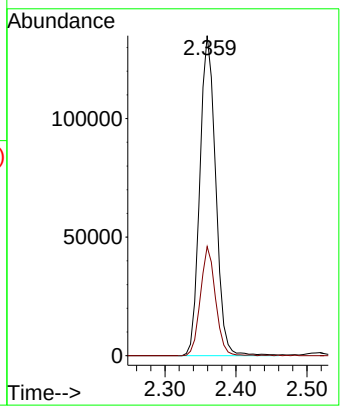


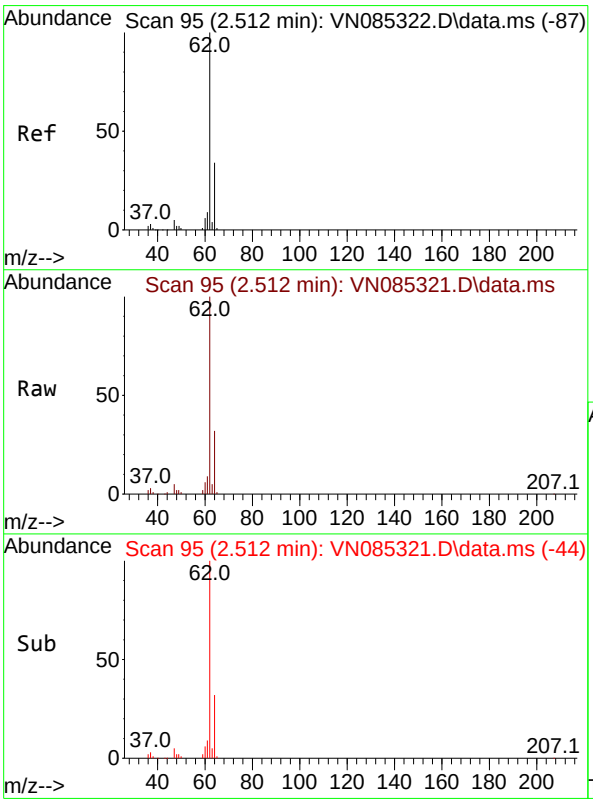
#3
Chloromethane
Concen: 88.661 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 210461

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.1	37.7

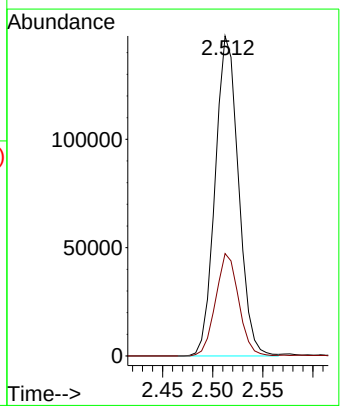


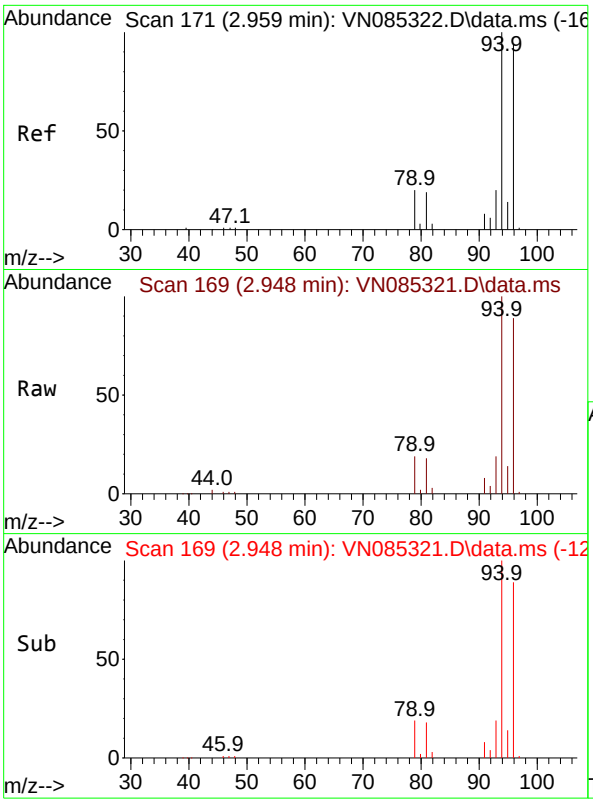


#4
Vinyl Chloride
Concen: 95.258 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 62 Resp: 239141

Ion	Ratio	Lower	Upper
62	100		
64	32.0	27.0	40.6



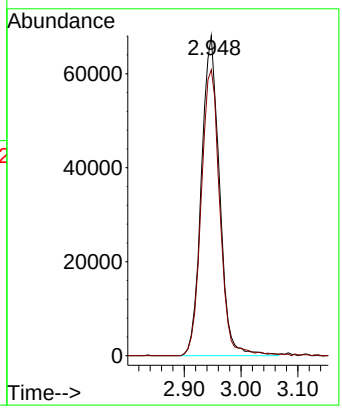


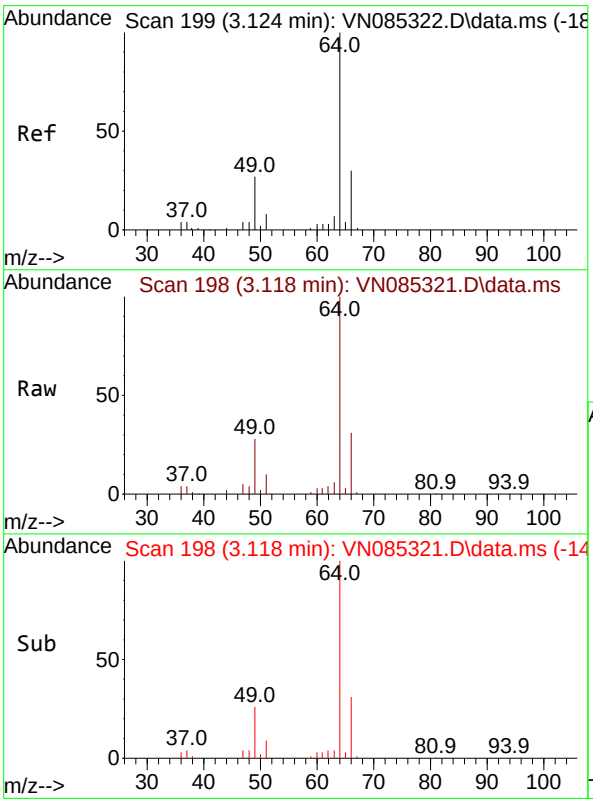
#5
Bromomethane
Concen: 91.543 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 150300

Ion	Ratio	Lower	Upper
94	100		
96	89.3	75.2	112.8

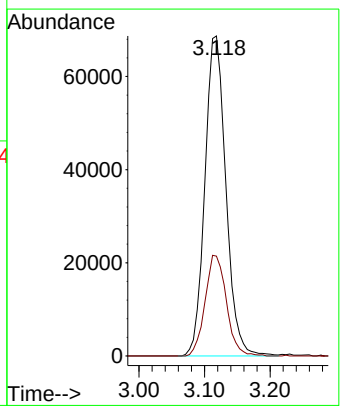


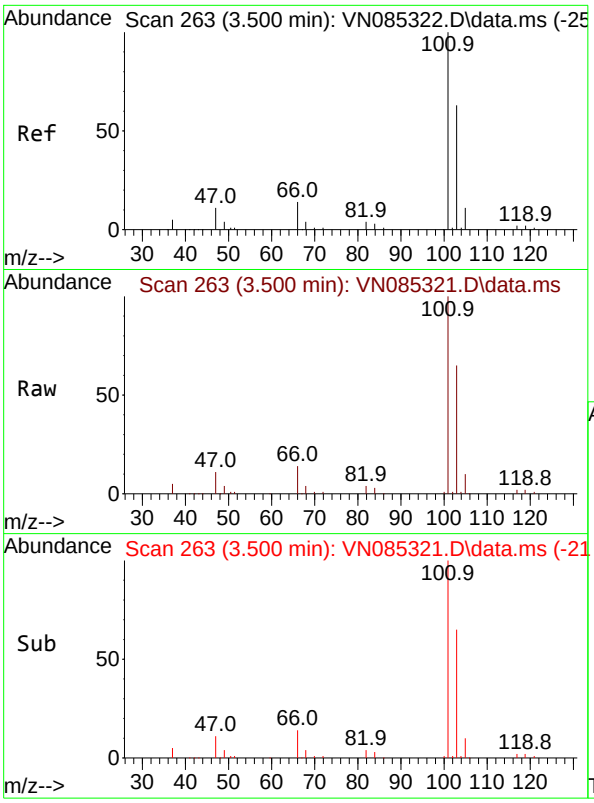


#6
Chloroethane
Concen: 96.191 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 64 Resp: 153144

Ion	Ratio	Lower	Upper
64	100		
66	31.2	24.1	36.1



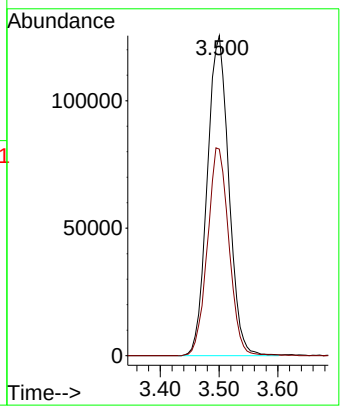


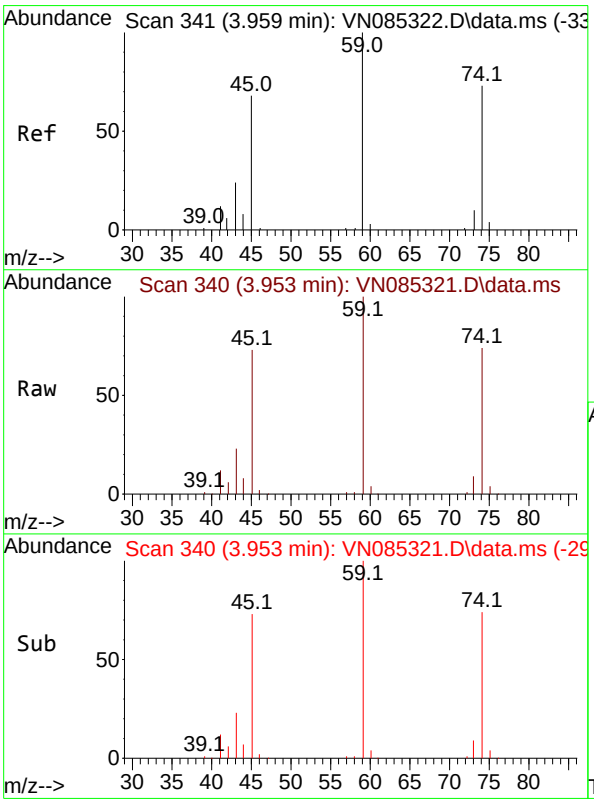
#7
Trichlorofluoromethane
Concen: 96.803 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 319456

Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.3	75.5

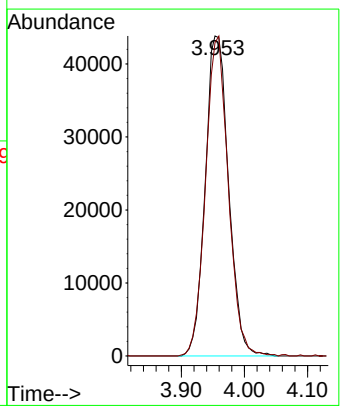


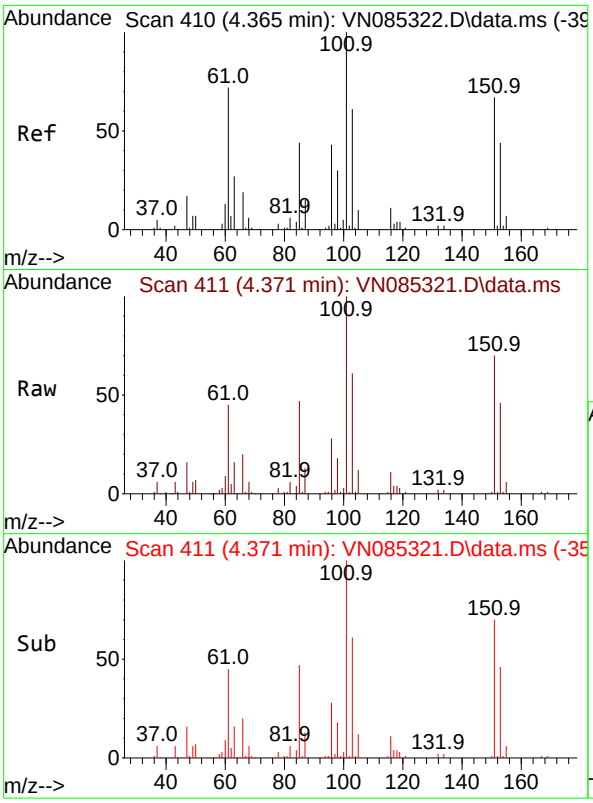


#8
Diethyl Ether
Concen: 103.470 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 74 Resp: 113060

Ion	Ratio	Lower	Upper
74	100		
45	97.1	47.5	142.6



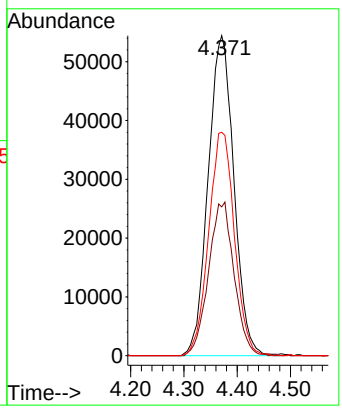


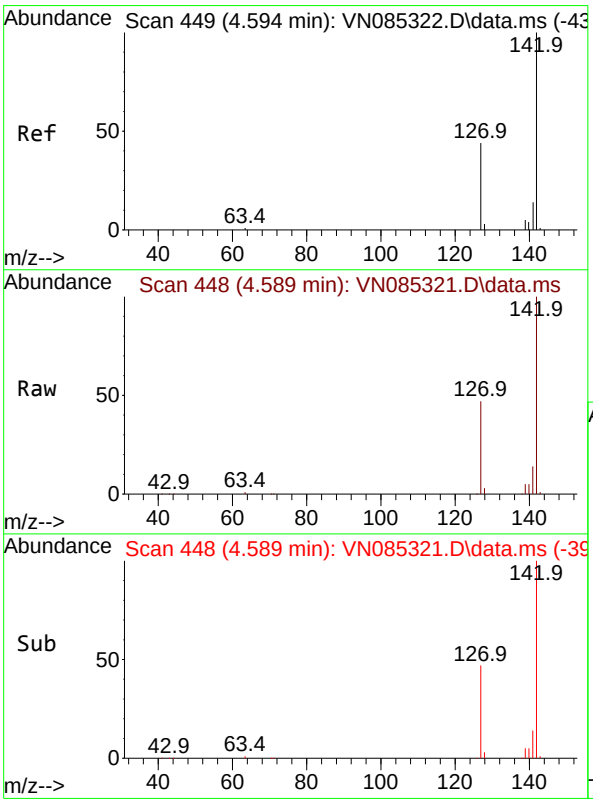
#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.156 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 182437

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	70.0	55.8	83.6

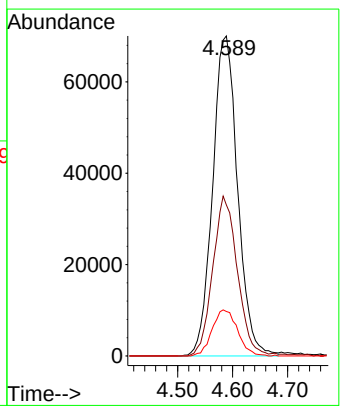


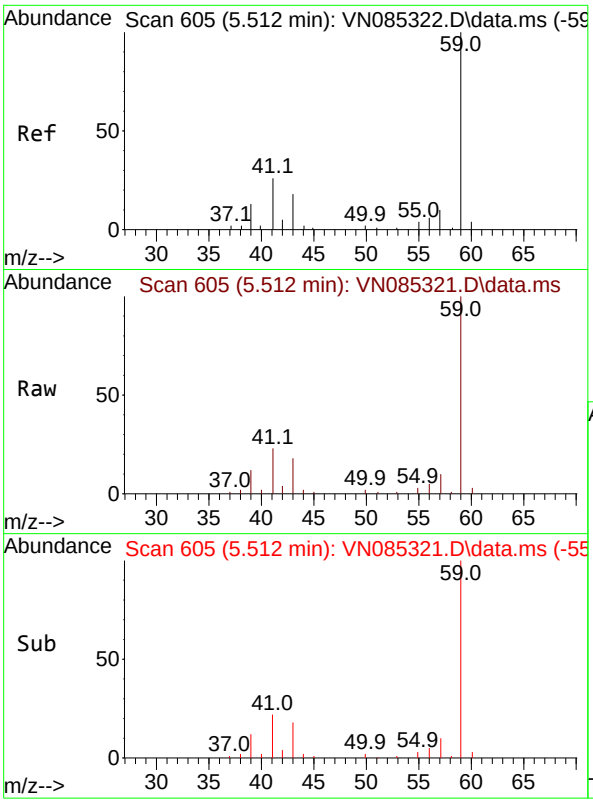


#10
Methyl Iodide
Concen: 101.834 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:142 Resp: 221288

Ion	Ratio	Lower	Upper
142	100		
127	47.2	35.3	52.9
141	13.9	11.5	17.3



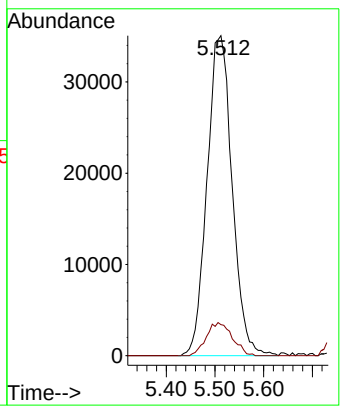


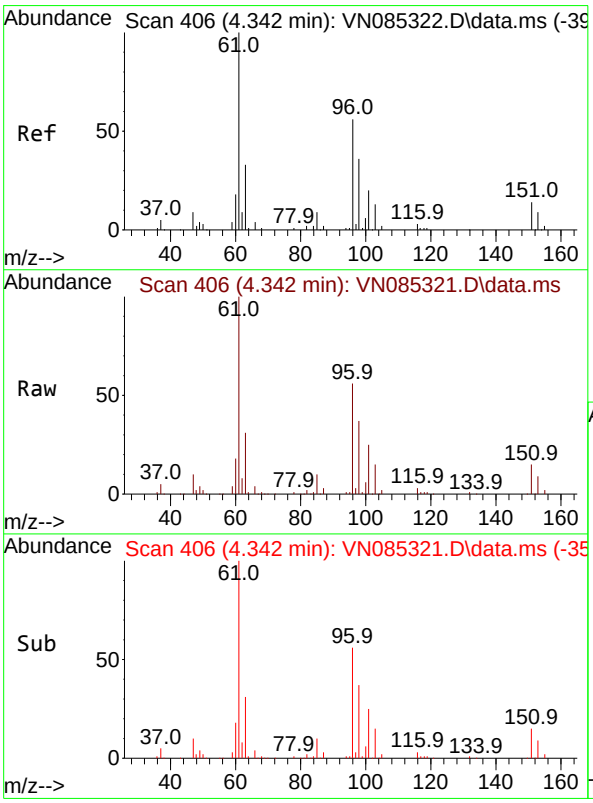
#11
Tert butyl alcohol
Concen: 449.925 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 125490

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

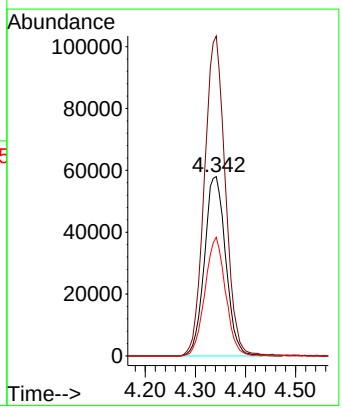


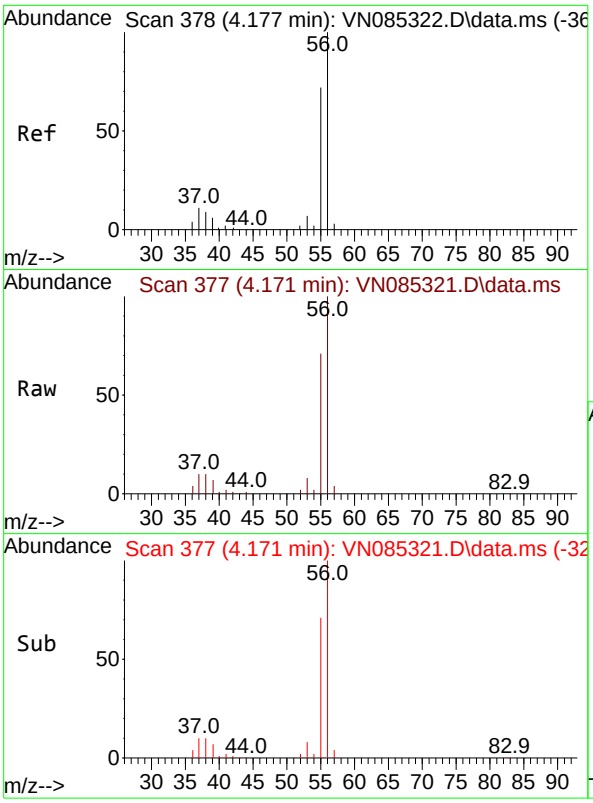


#12
1,1-Dichloroethene
Concen: 98.802 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 96 Resp: 171462

Ion	Ratio	Lower	Upper
96	100		
61	178.4	142.4	213.6
98	66.2	51.5	77.3



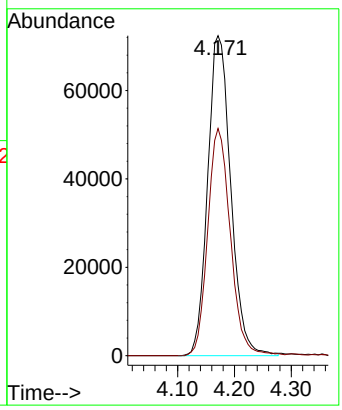


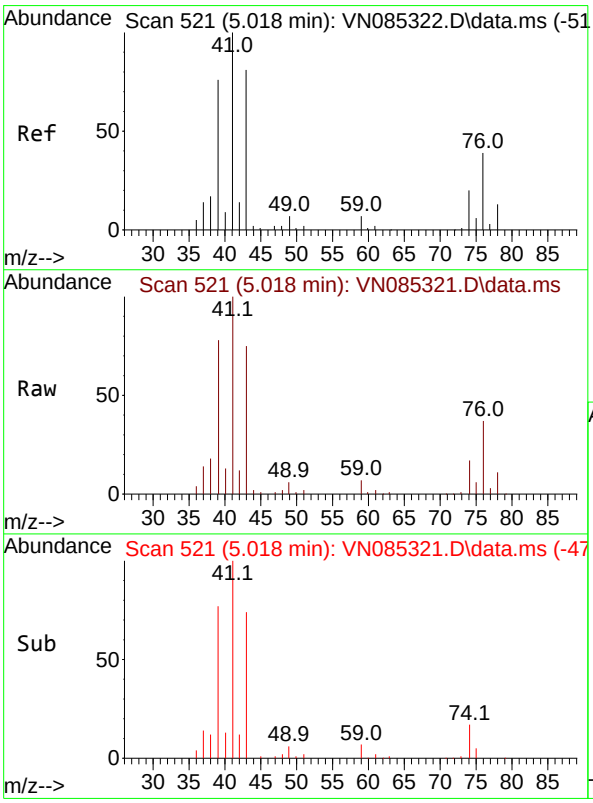
#13
Acrolein
Concen: 469.915 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 204340

Ion	Ratio	Lower	Upper
56	100		
55	69.7	57.5	86.3

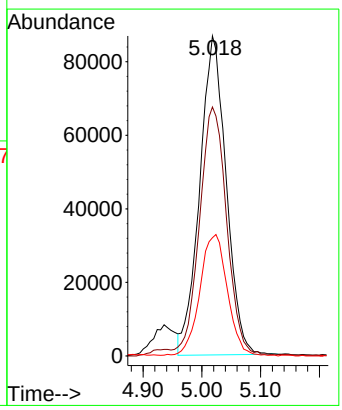


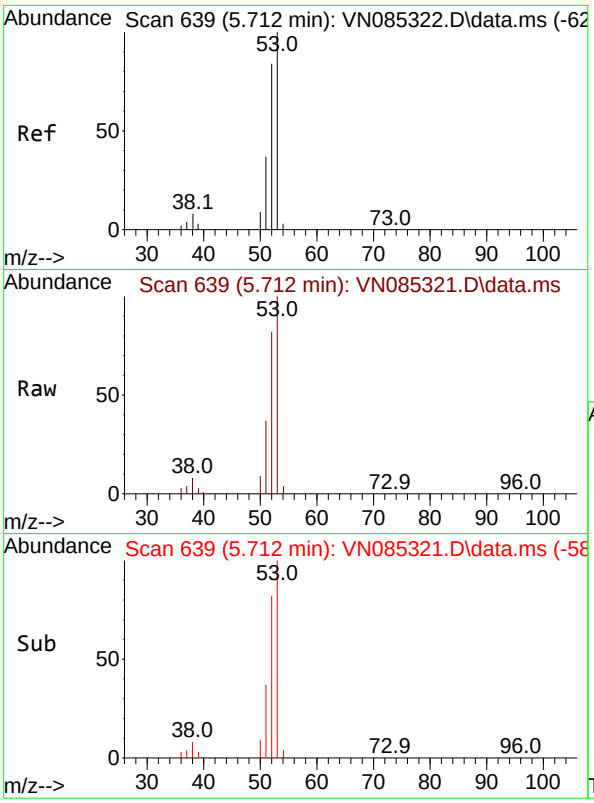


#14
Allyl chloride
Concen: 97.537 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 41 Resp: 270904

Ion	Ratio	Lower	Upper
41	100		
39	79.9	64.4	96.6
76	39.9	31.5	47.3



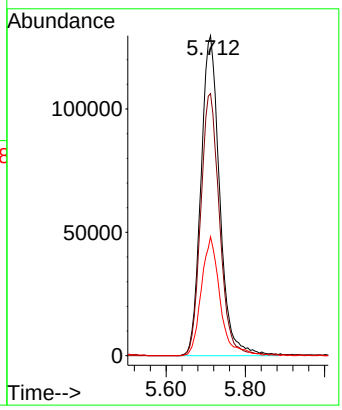


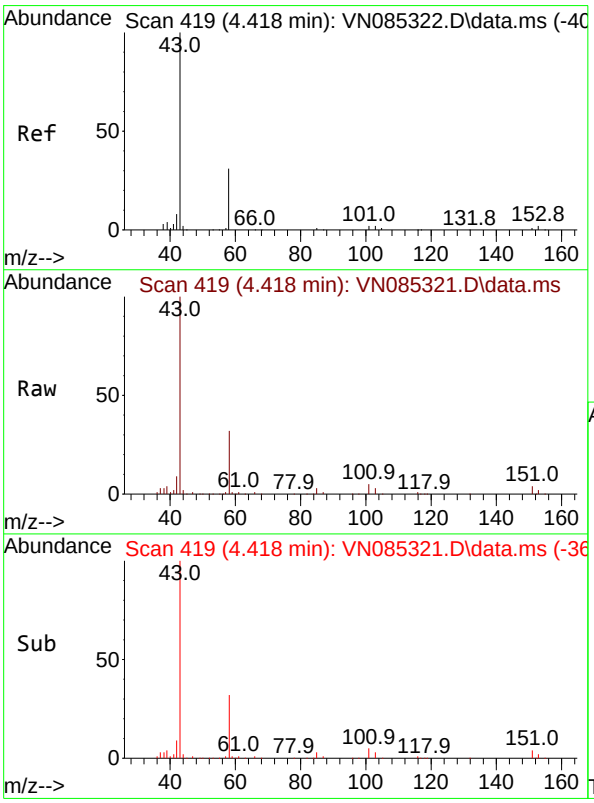
#15
Acrylonitrile
Concen: 484.988 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 425762

Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.6	100.0
51	37.1	29.6	44.4

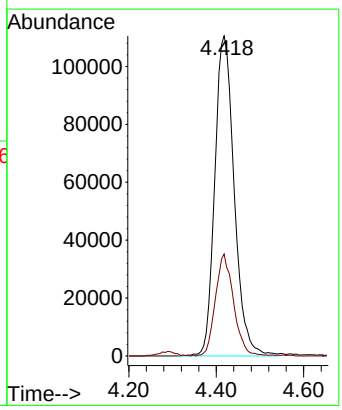


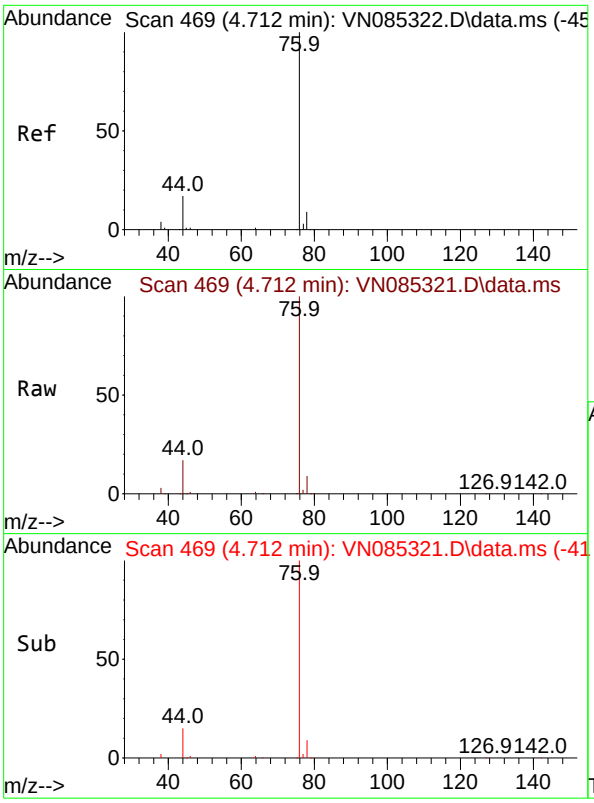


#16
Acetone
Concen: 465.473 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 340922

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.5	36.7



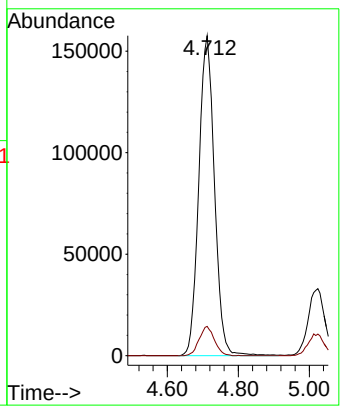


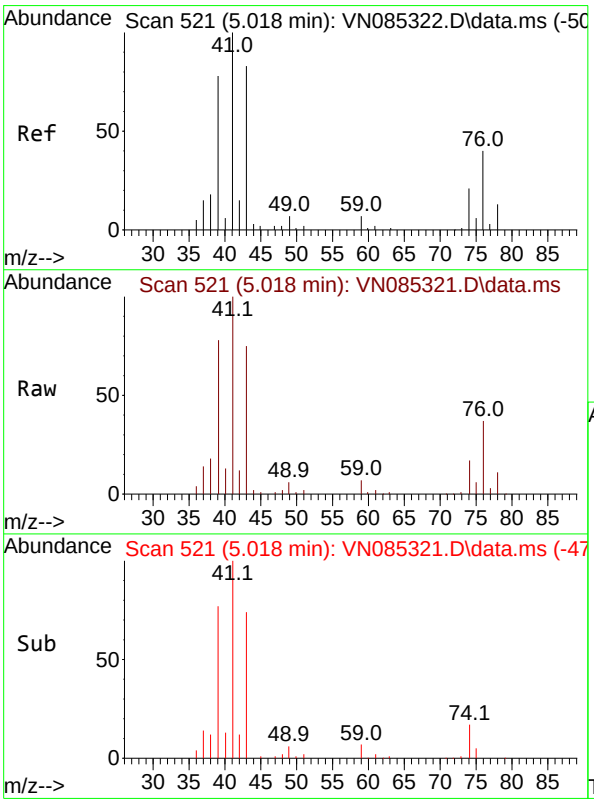
#17
Carbon Disulfide
Concen: 91.760 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 484441

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

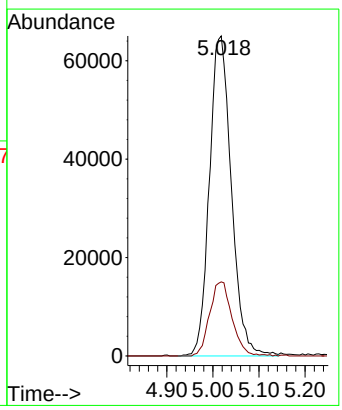


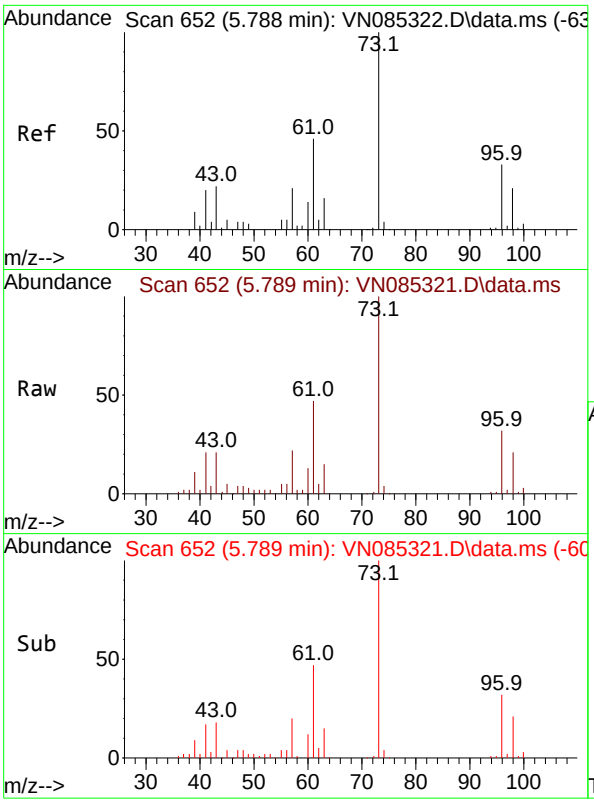


#18
Methyl Acetate
Concen: 95.974 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 215207

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.6



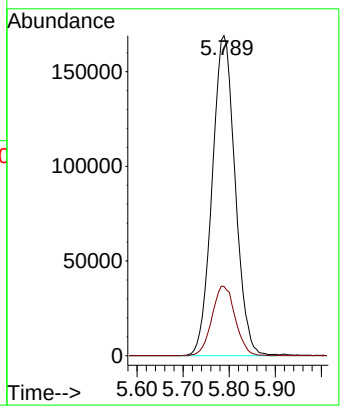


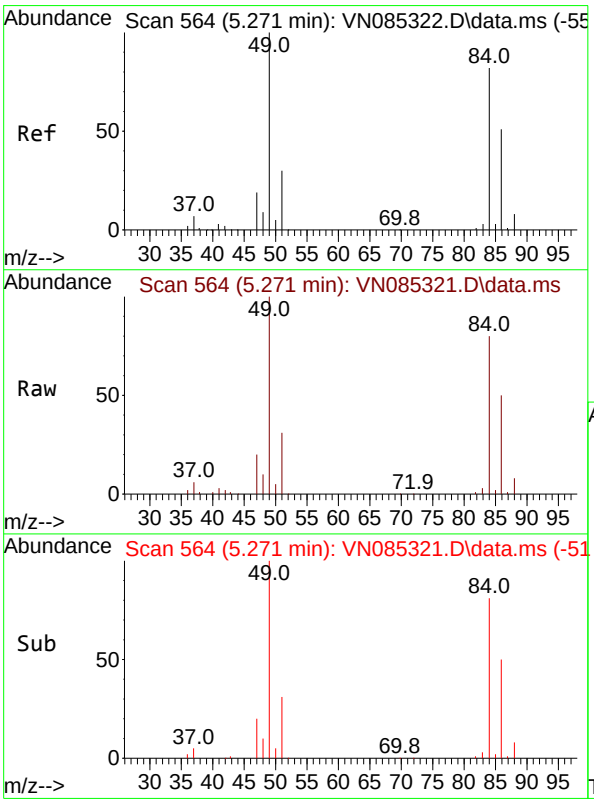
#19
Methyl tert-butyl Ether
Concen: 103.894 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 586031

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.0	25.6

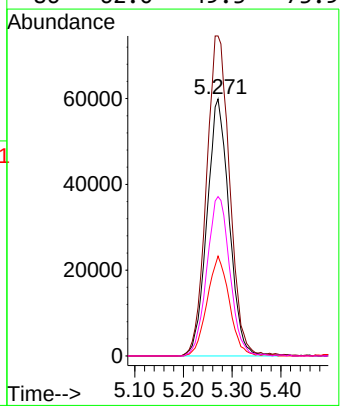


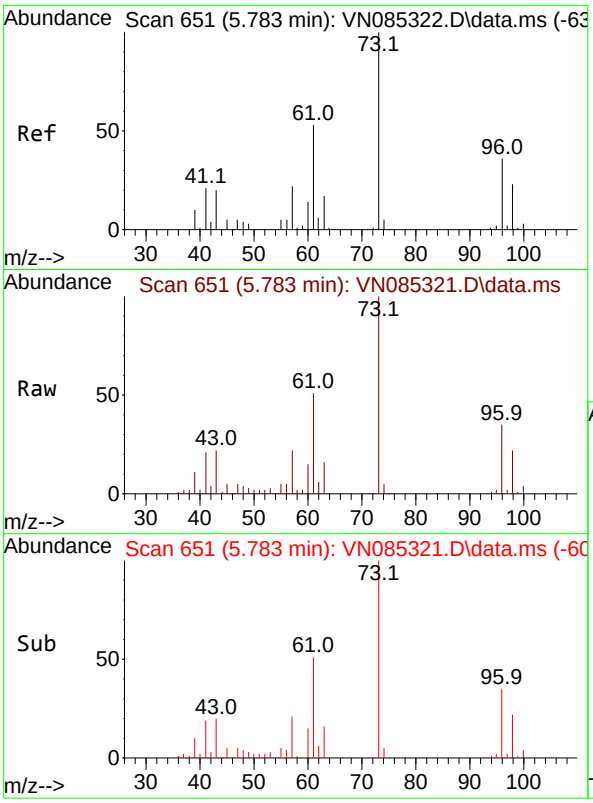


#20
Methylene Chloride
Concen: 96.119 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 84 Resp: 189358

Ion	Ratio	Lower	Upper
84	100		
49	124.5	97.6	146.4
51	38.9	29.1	43.7
86	62.0	49.3	73.9



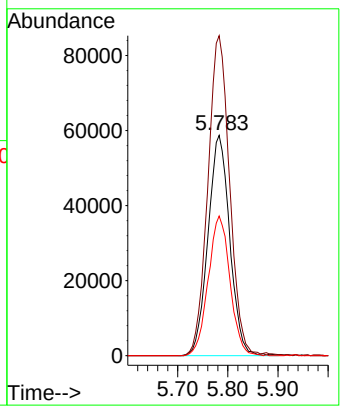


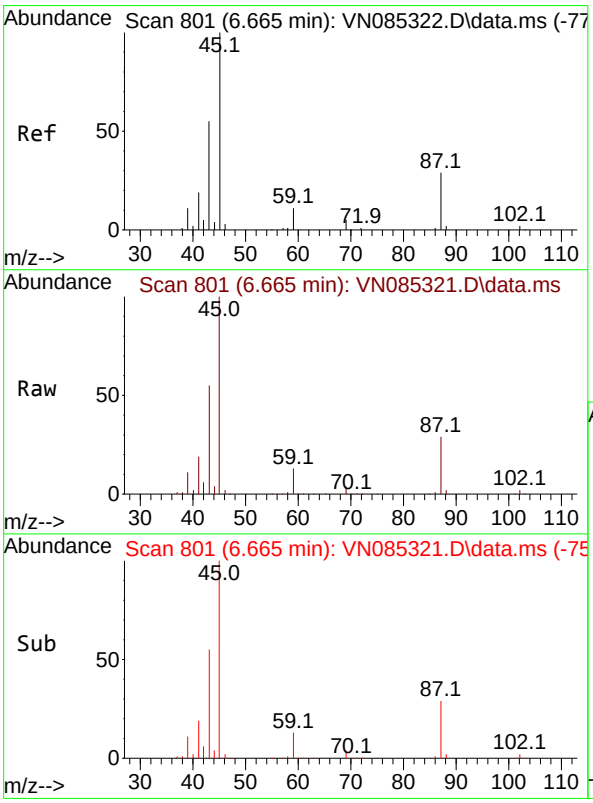
#21
trans-1,2-Dichloroethene
Concen: 97.703 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 177119

Ion	Ratio	Lower	Upper
96	100		
61	145.2	118.0	177.0
98	63.4	50.6	75.8

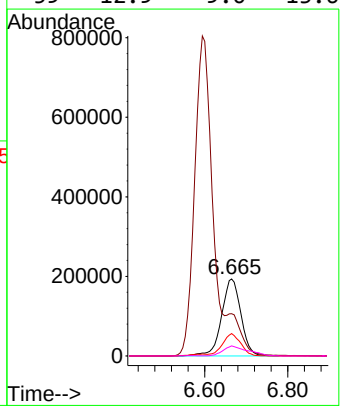


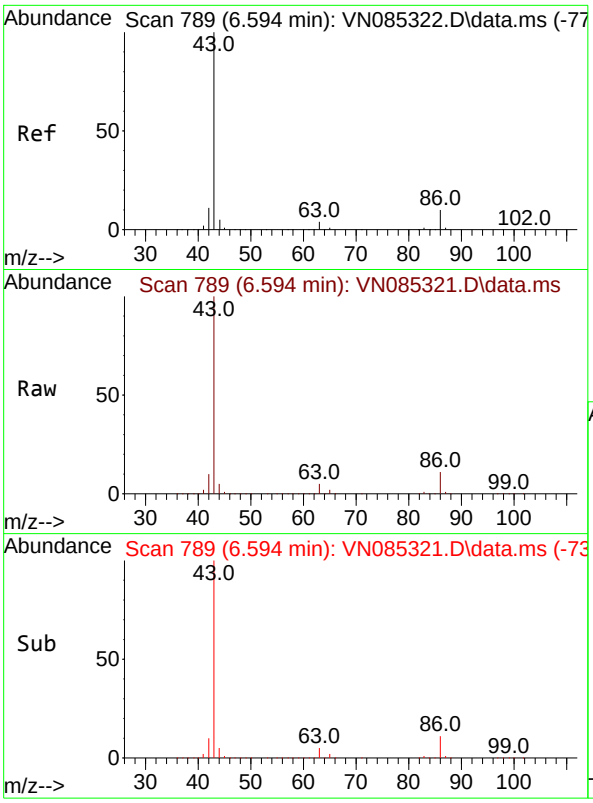


#22
Diisopropyl ether
Concen: 104.224 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 45 Resp: 623798

Ion	Ratio	Lower	Upper
45	100		
43	54.0	44.1	66.1
87	29.1	23.2	34.8
59	12.9	9.0	13.6



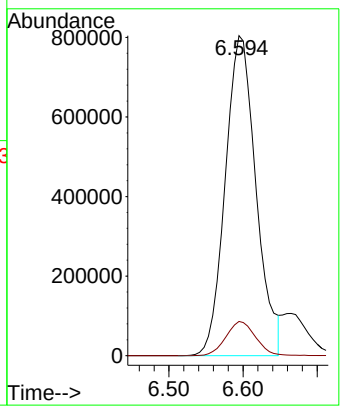


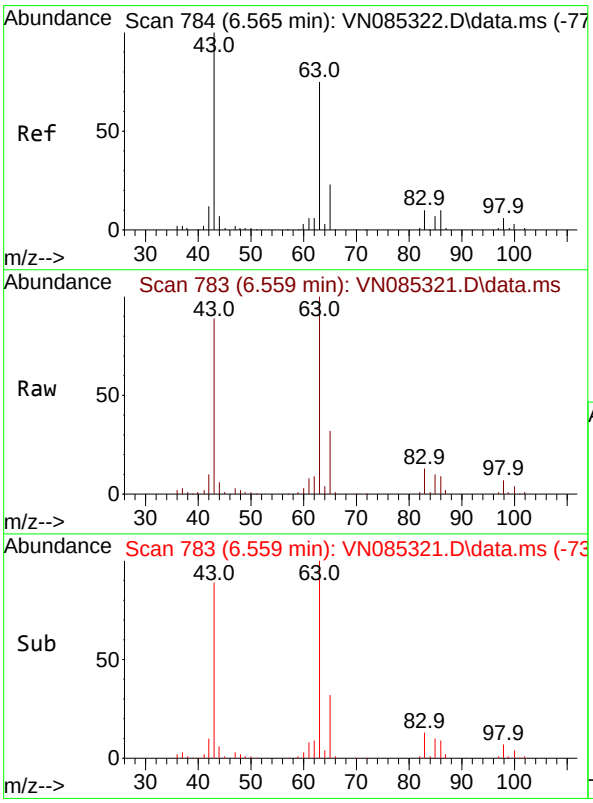
#23
Vinyl Acetate
Concen: 512.292 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2319612

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.0	12.0

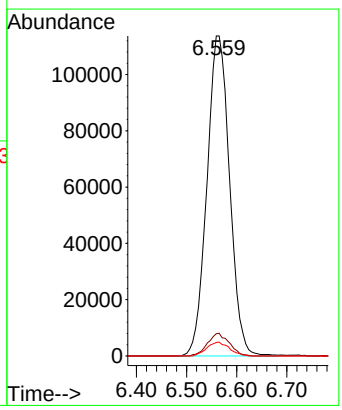


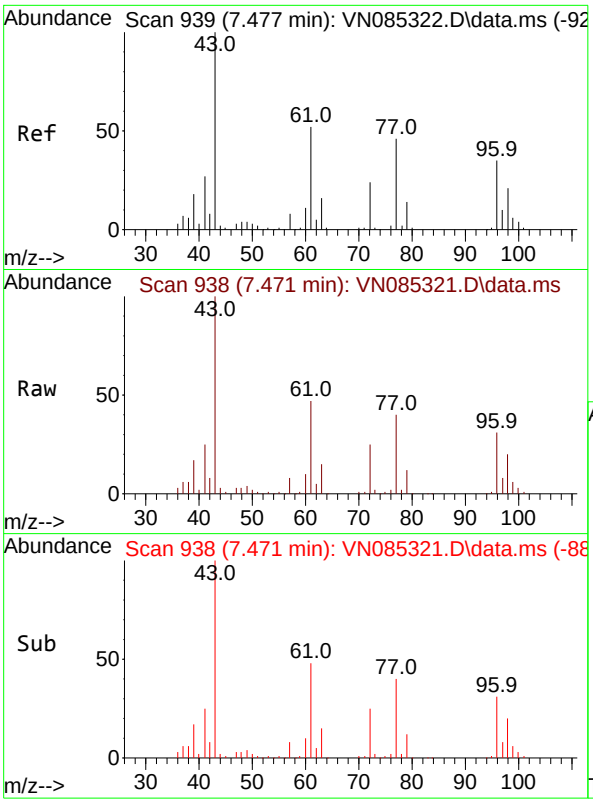


#24
1,1-Dichloroethane
Concen: 99.165 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 63 Resp: 357527

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.7	11.1
100	4.2	2.3	6.8



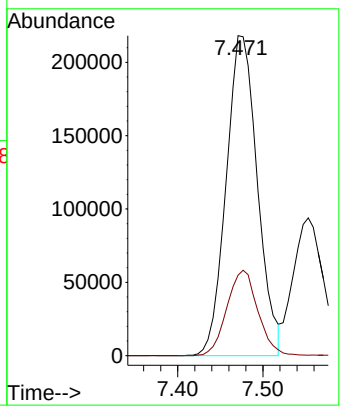


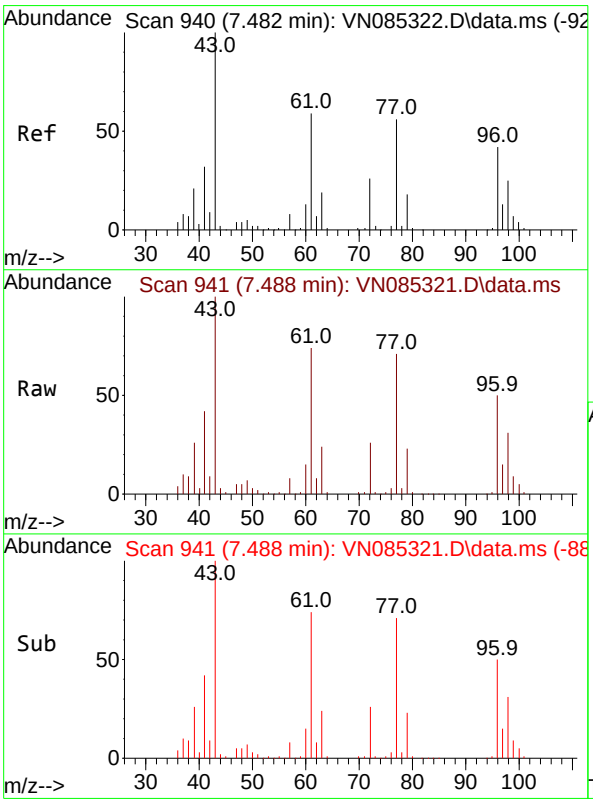
#25
2-Butanone
Concen: 490.229 ug/l
RT: 7.471 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 557035

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.6	29.4

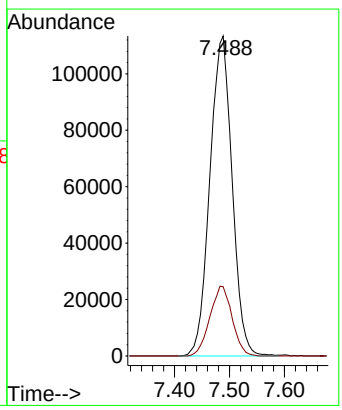


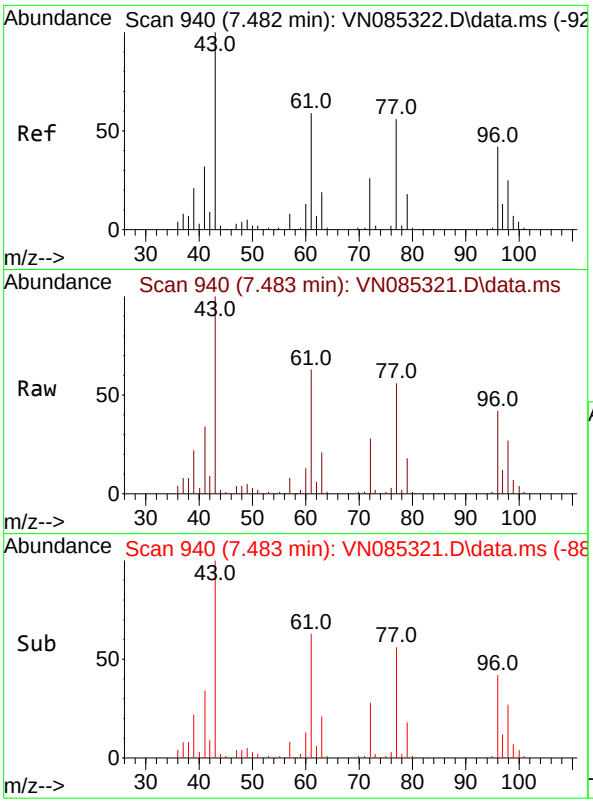


#26
2,2-Dichloropropane
Concen: 100.909 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 77 Resp: 318743

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.6	31.8



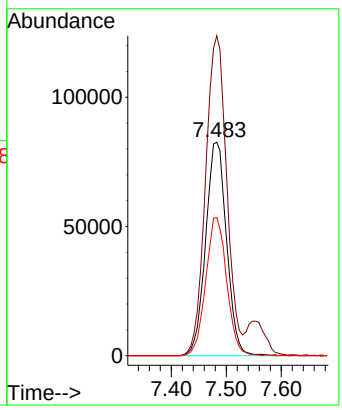


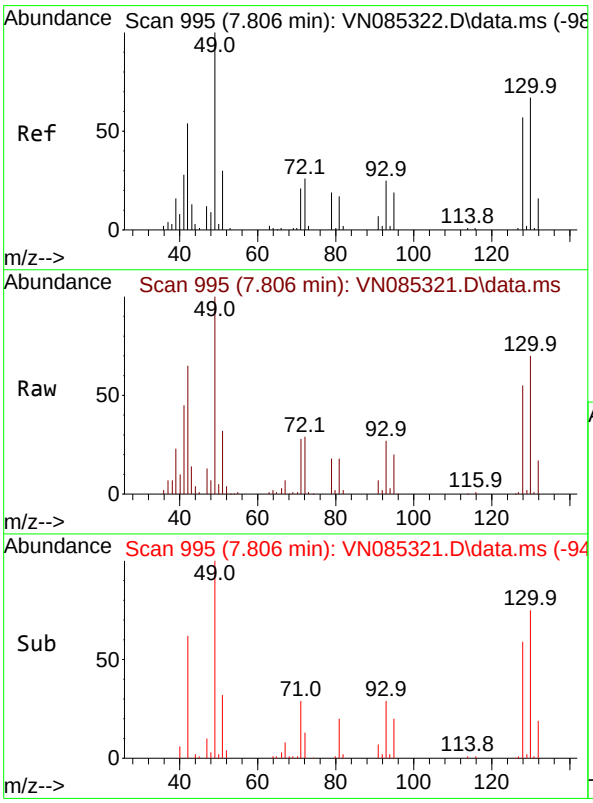
#27
cis-1,2-Dichloroethene
Concen: 102.909 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 218963

Ion	Ratio	Lower	Upper
96	100		
61	151.4	0.0	296.4
98	64.6	0.0	124.2

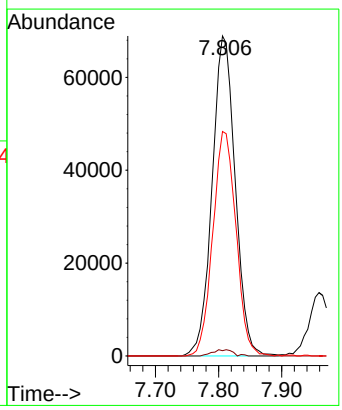


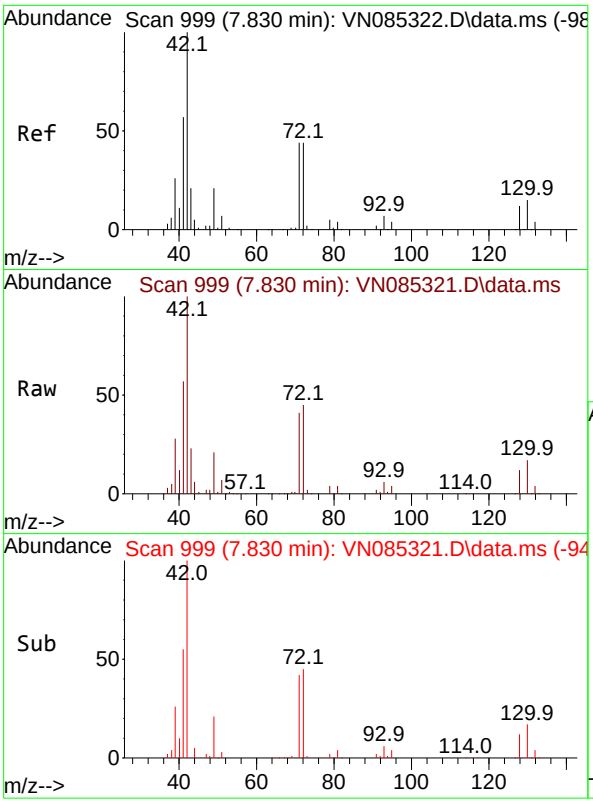


#28
Bromochloromethane
Concen: 104.430 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 49 Resp: 174969

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	70.4	0.0	0.0#



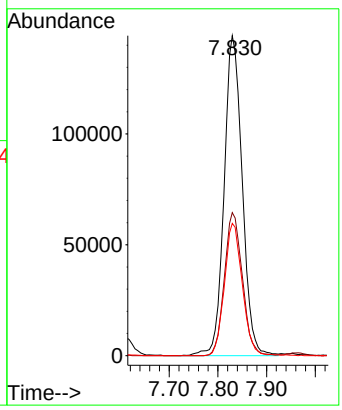


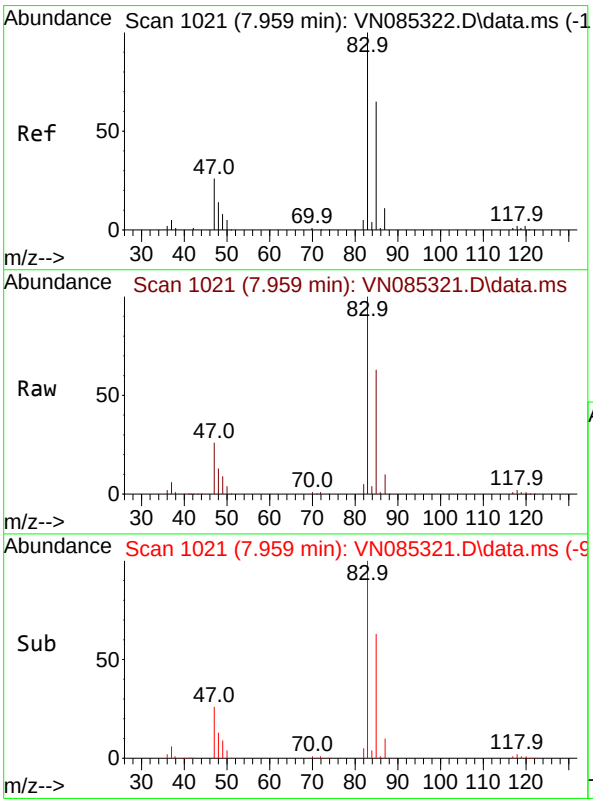
#29
Tetrahydrofuran
Concen: 511.419 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 374323

Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.1	52.7
71	40.8	33.4	50.0

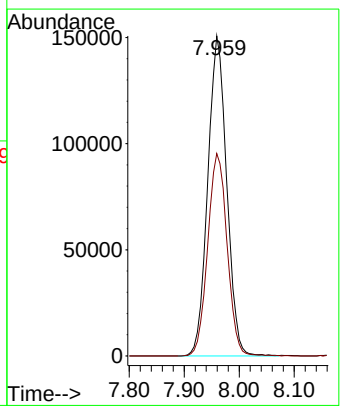


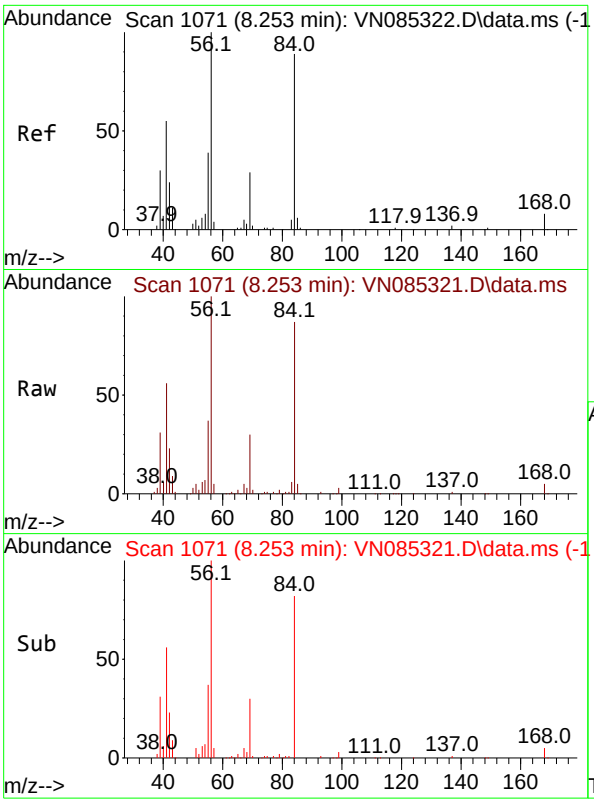


#30
Chloroform
Concen: 97.837 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 83 Resp: 360866

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.0	78.0



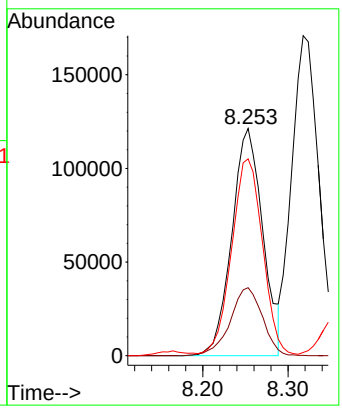


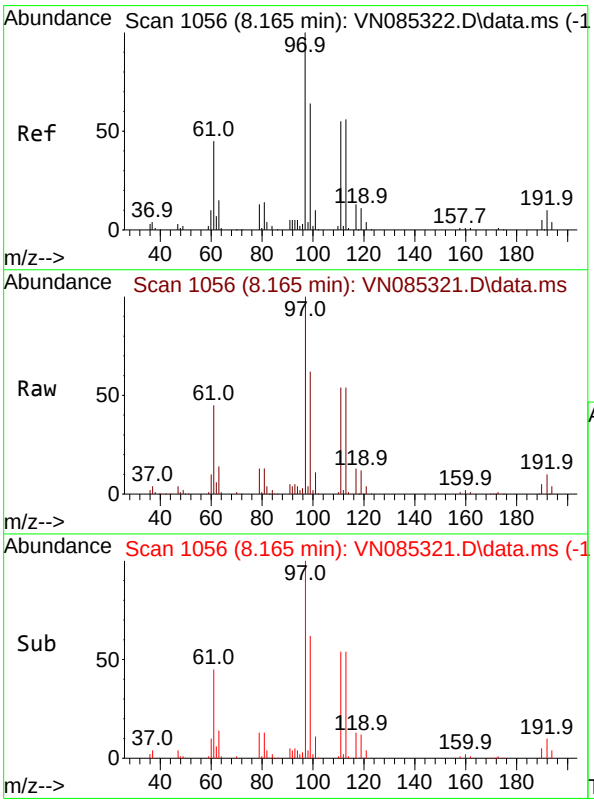
#31
Cyclohexane
Concen: 93.310 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 307196

Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.0
84	85.0	71.0	106.6

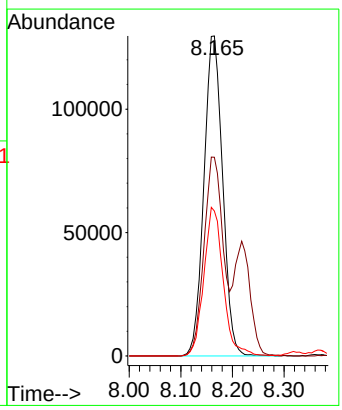


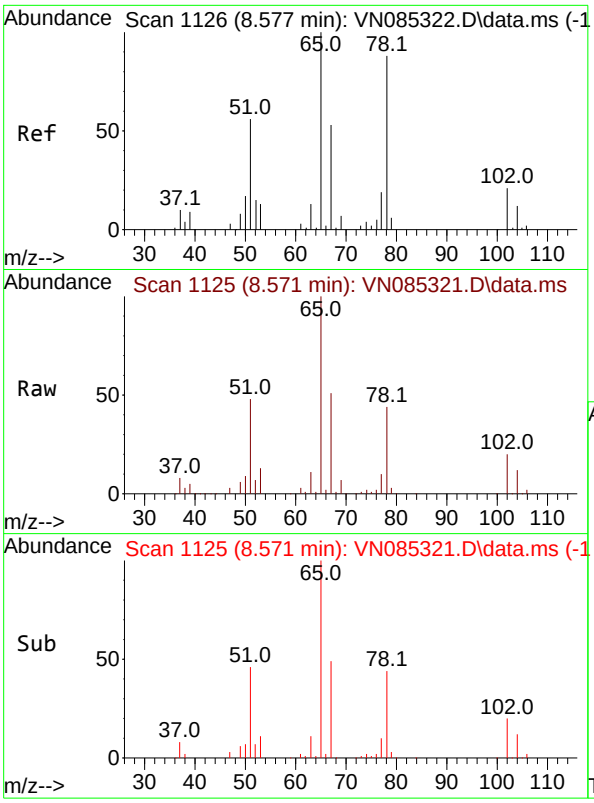


#32
1,1,1-Trichloroethane
Concen: 98.891 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 97 Resp: 325760

Ion	Ratio	Lower	Upper
97	100		
99	63.7	53.3	79.9
61	48.2	39.6	59.4



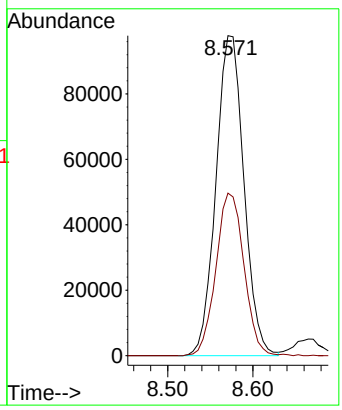


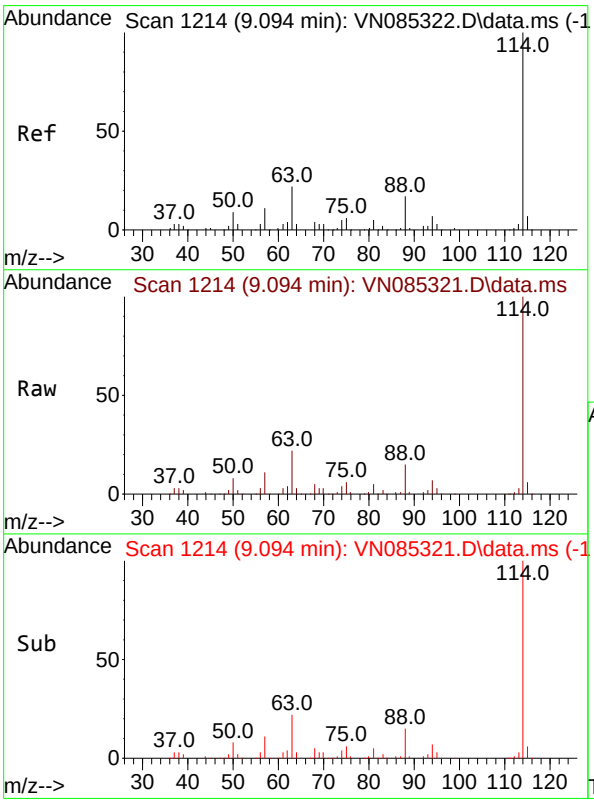
#33
1,2-Dichloroethane-d4
Concen: 100.315 ug/l
RT: 8.571 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 223438

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0

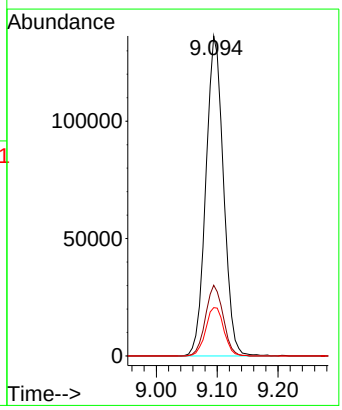


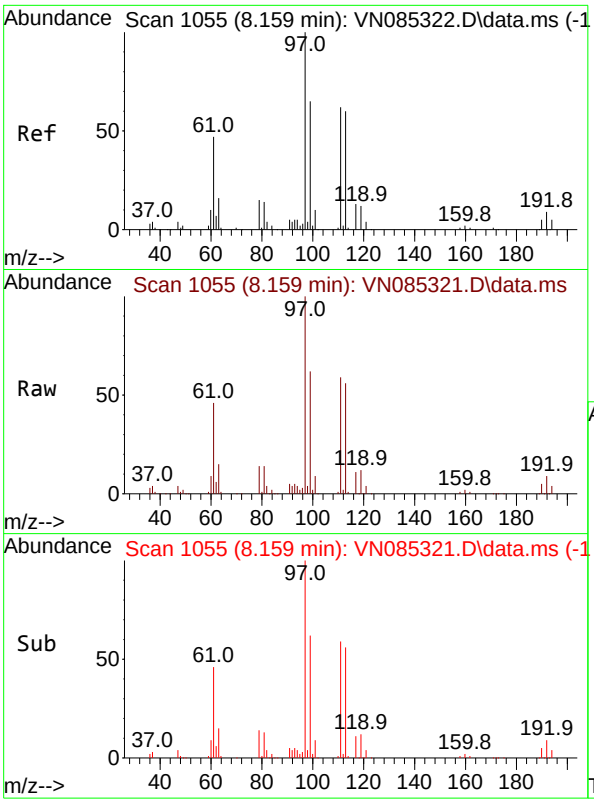


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:114 Resp: 274313

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.4
88	15.1	0.0	33.6



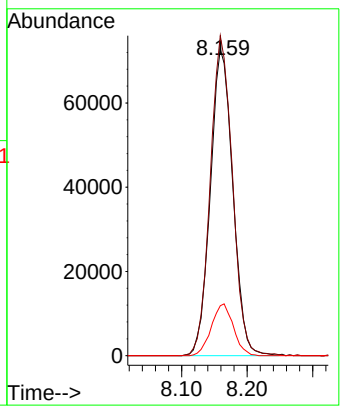


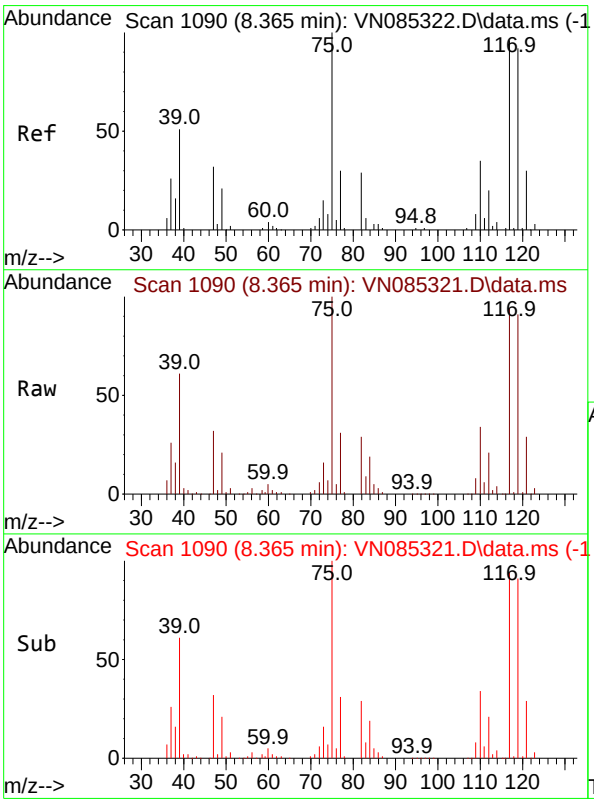
#35
Dibromofluoromethane
Concen: 101.117 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 173043

Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.5	120.7
192	16.6	12.9	19.3

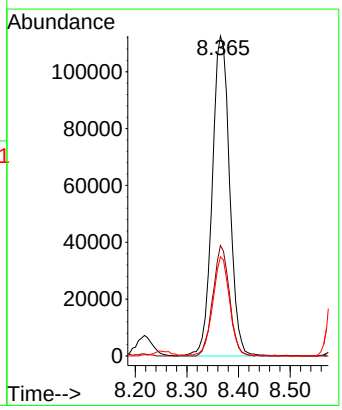


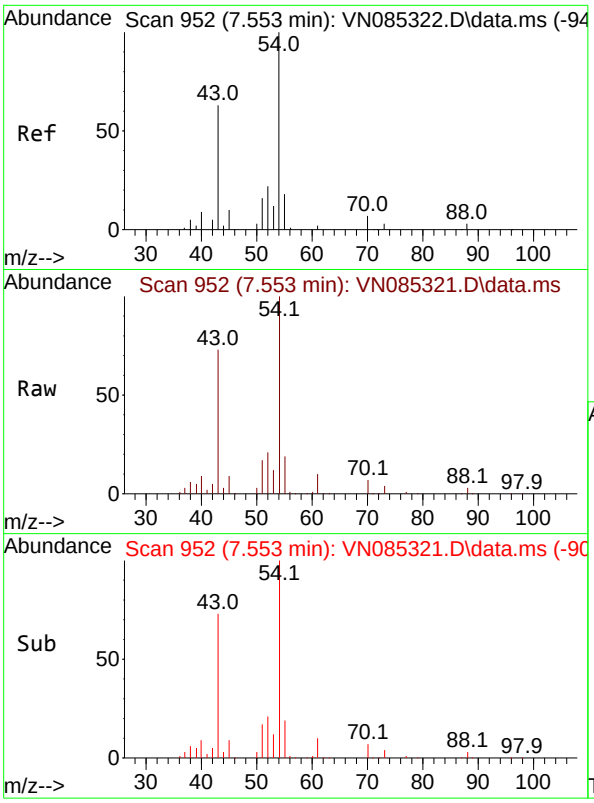


#36
1,1-Dichloropropene
Concen: 104.994 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 263076

Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.6	49.8
77	30.2	24.3	36.5



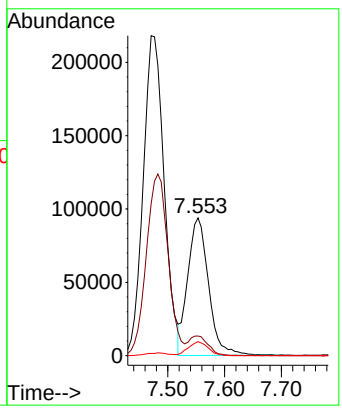


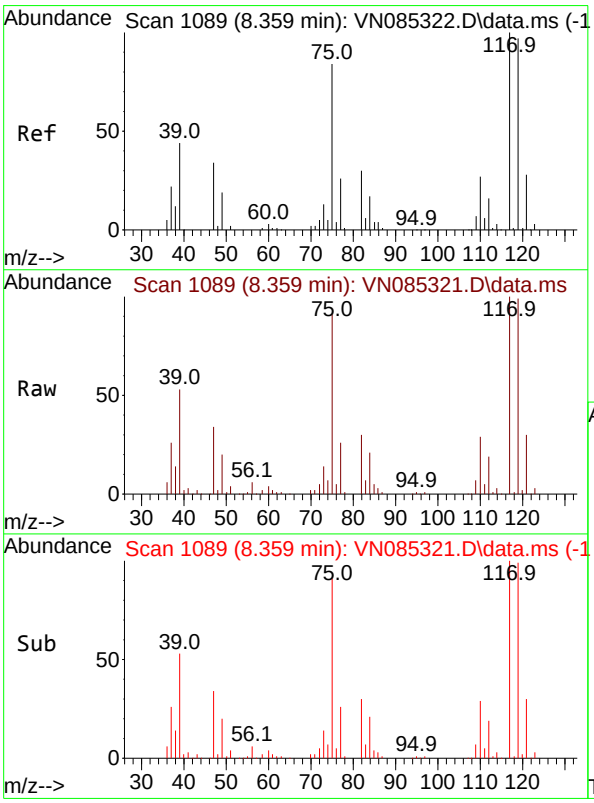
#37
Ethyl Acetate
Concen: 96.040 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 239186

Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.4	15.6
70	9.7	8.2	12.2

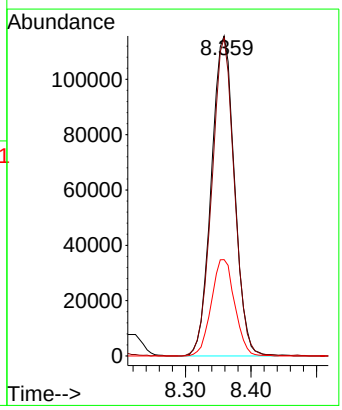


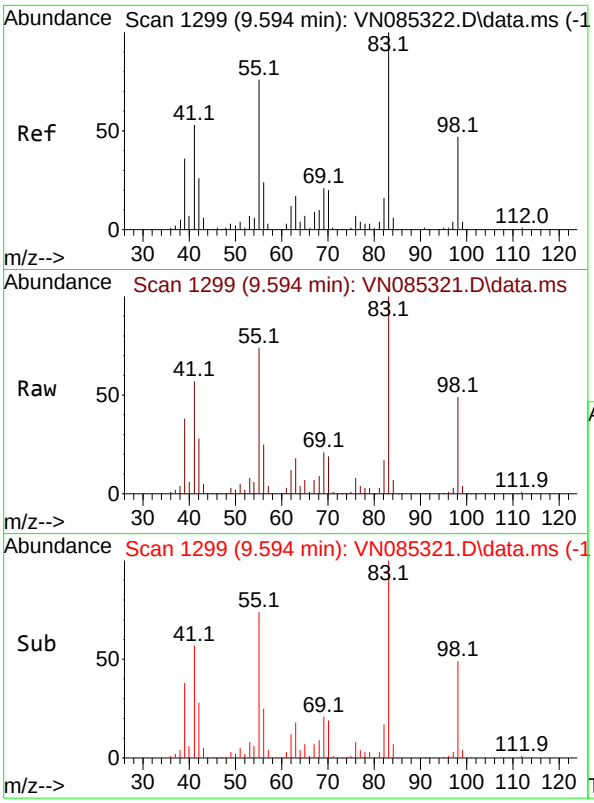


#38
Carbon Tetrachloride
Concen: 103.563 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:117 Resp: 282846

Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.6
121	30.1	22.5	33.7



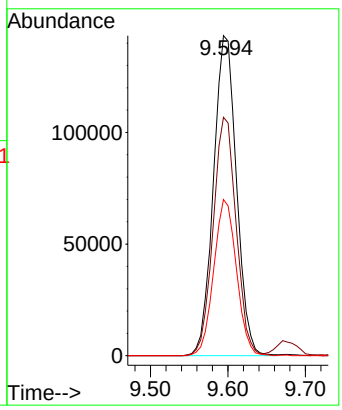


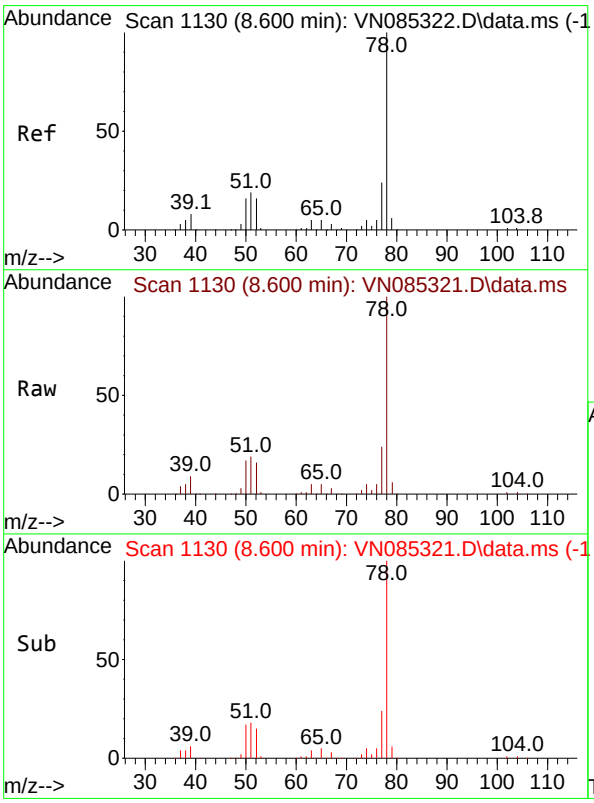
#39
Methylcyclohexane
Concen: 113.903 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 296114

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.7	91.1
98	48.8	37.7	56.5

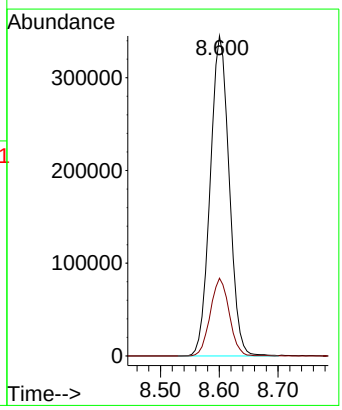


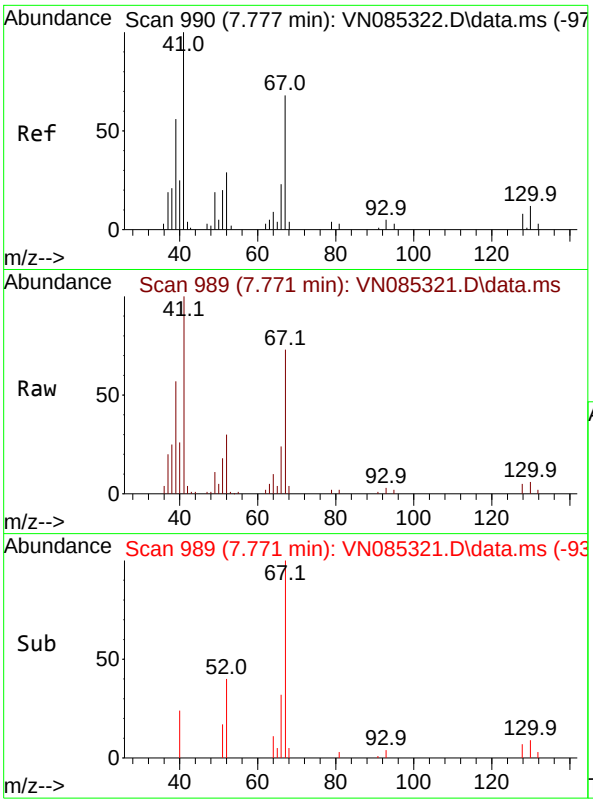


#40
Benzene
Concen: 102.248 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 78 Resp: 774590

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4



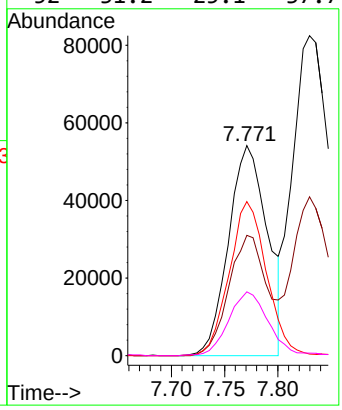


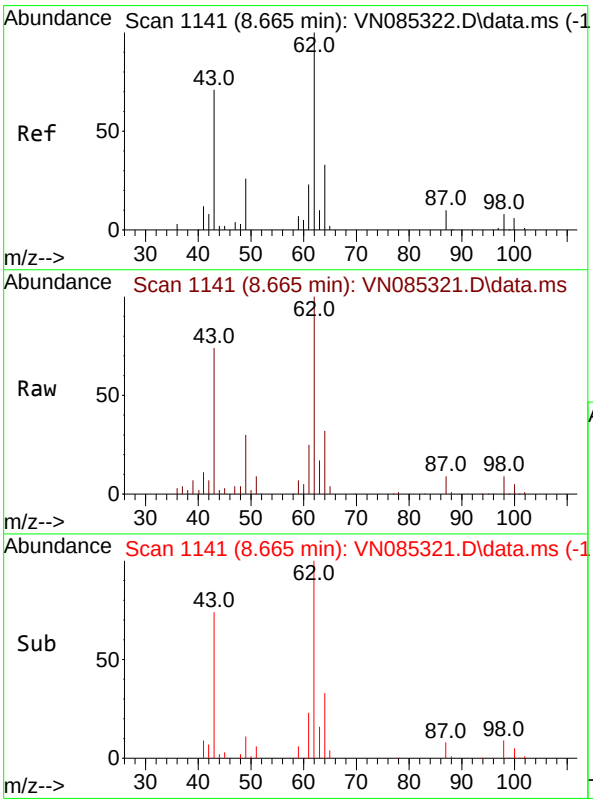
#41
Methacrylonitrile
Concen: 108.014 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 137768

Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.8	68.8
67	70.5	57.1	85.7
52	31.2	25.1	37.7

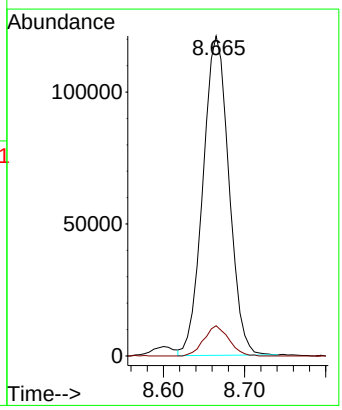


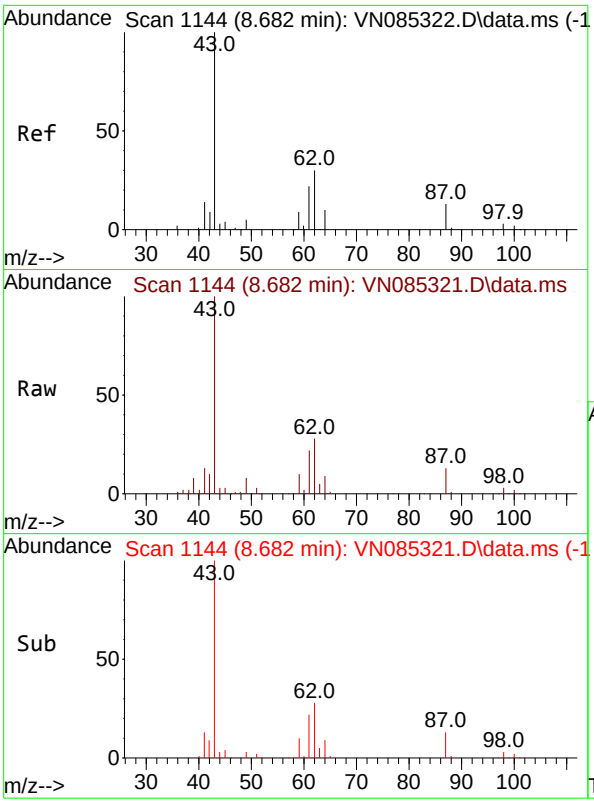


#42
1,2-Dichloroethane
Concen: 98.781 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 62 Resp: 268298

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



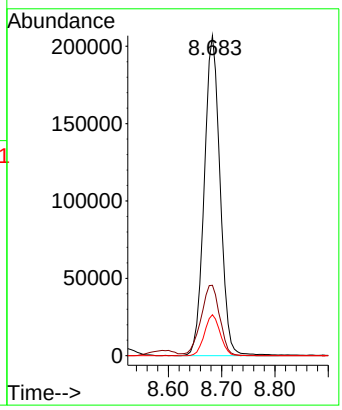


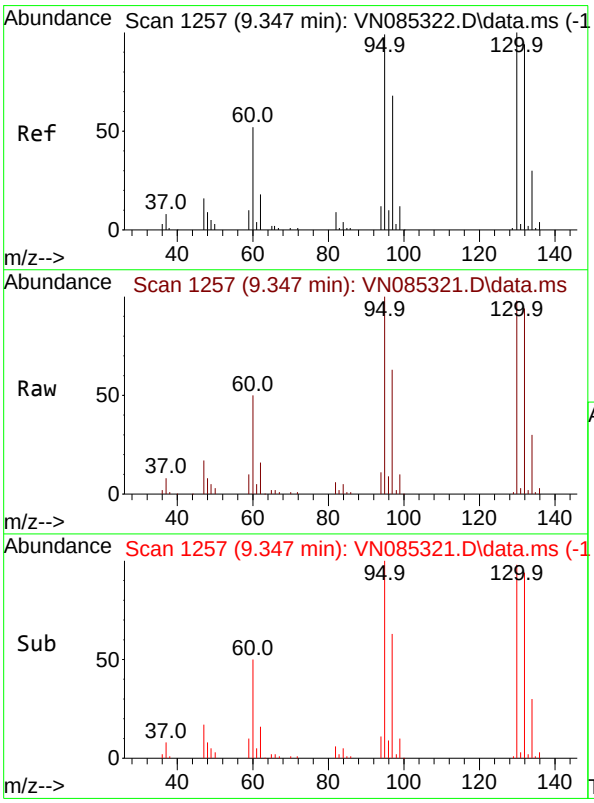
#43
Isopropyl Acetate
Concen: 104.030 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 426602

Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.8	31.2
87	12.7	10.2	15.4

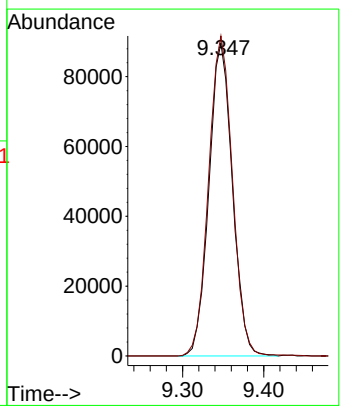


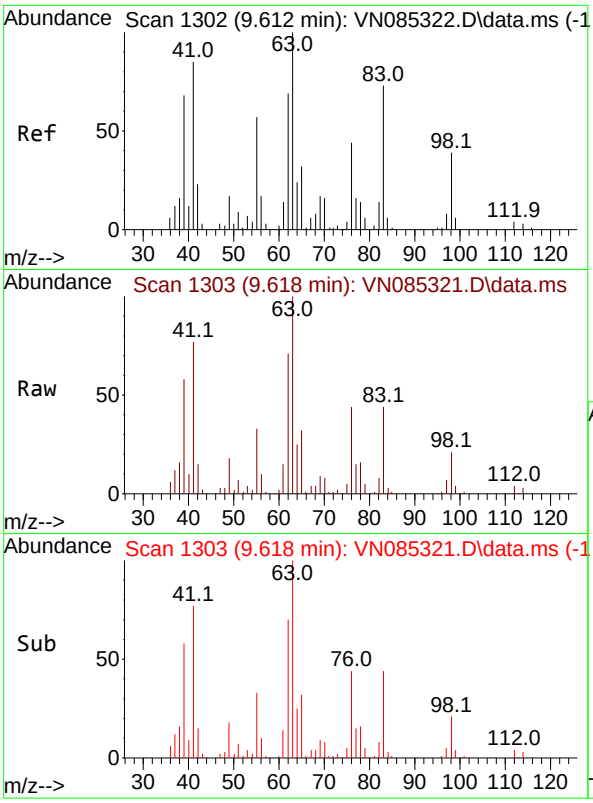


#44
Trichloroethene
Concen: 100.266 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:130 Resp: 179832

Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	197.8



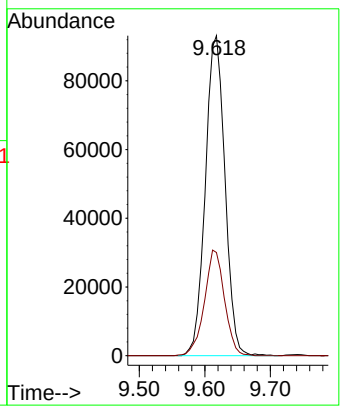


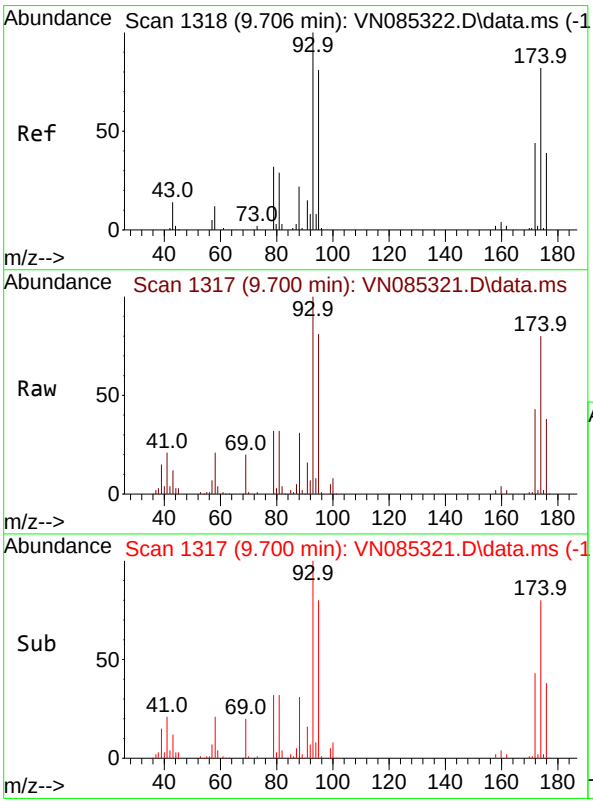
#45
1,2-Dichloropropane
Concen: 100.585 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 193438

Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3

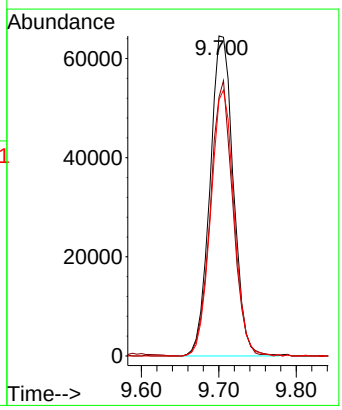


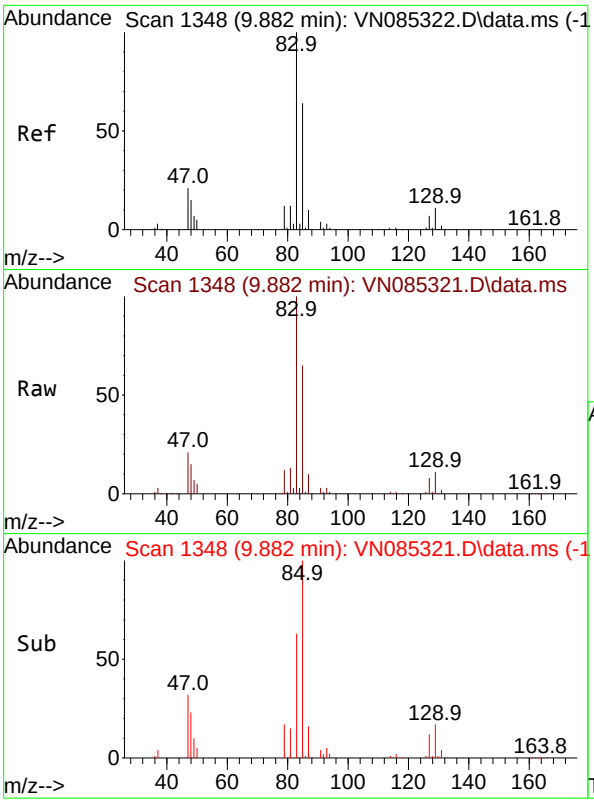


#46
Dibromomethane
Concen: 101.355 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 93 Resp: 135558

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.3	97.9
174	82.8	66.4	99.6



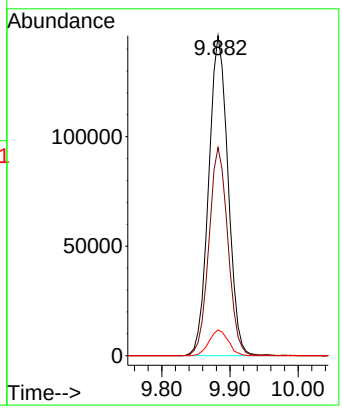


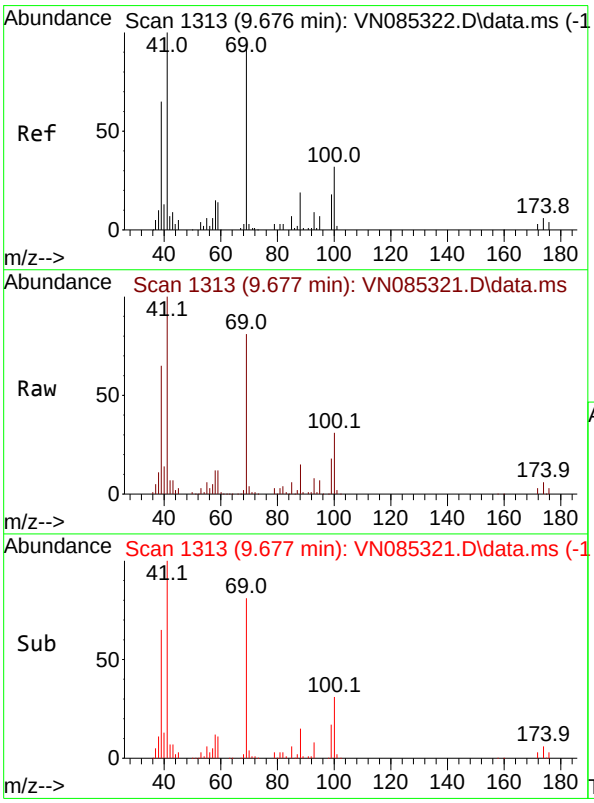
#47
Bromodichloromethane
Concen: 103.761 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 288439

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4
127	8.0	5.8	8.6

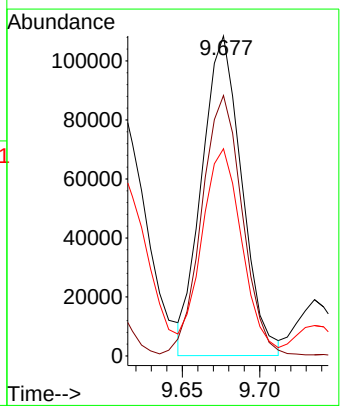


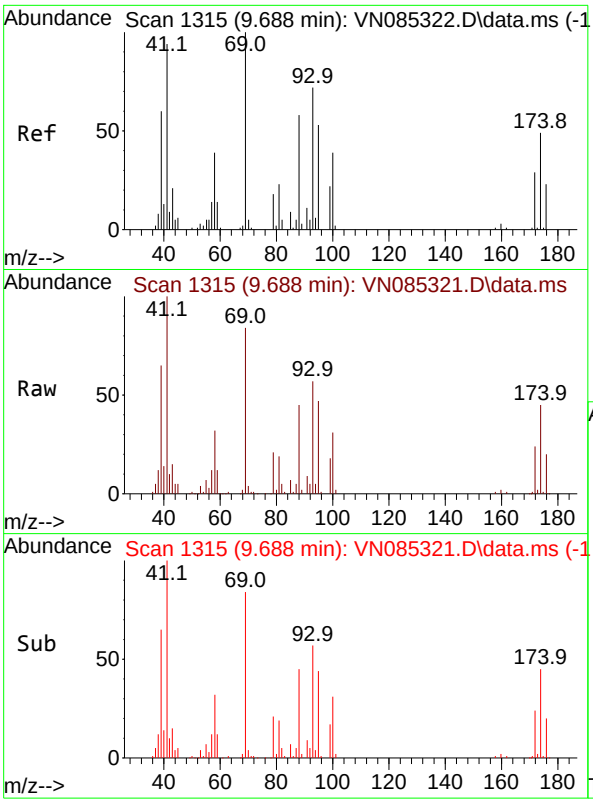


#48
Methyl methacrylate
Concen: 109.038 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 41 Resp: 194022

Ion	Ratio	Lower	Upper
41	100		
69	83.2	67.7	101.5
39	65.4	51.2	76.8



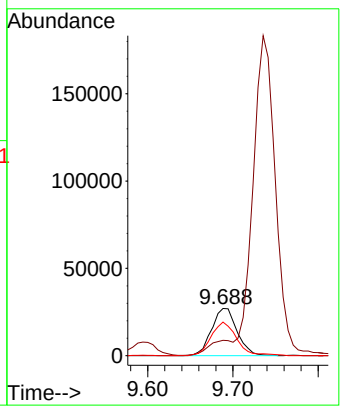


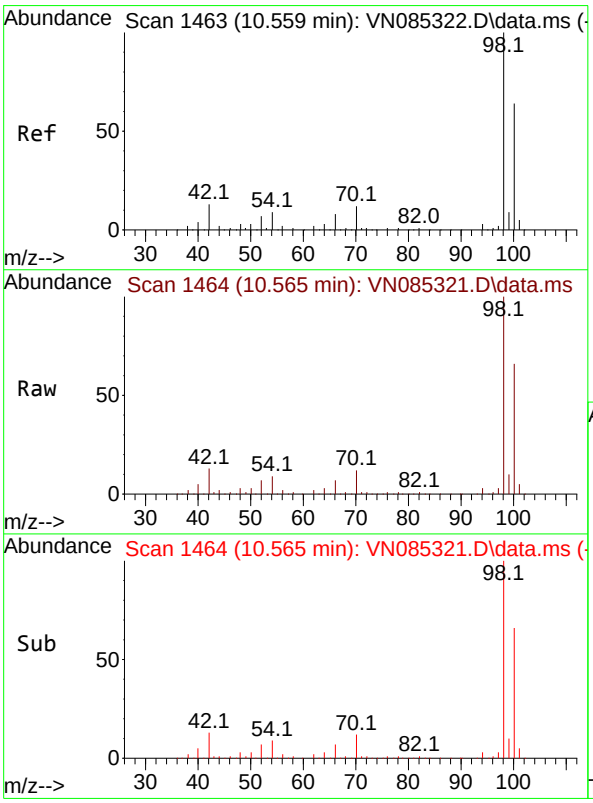
#49
1,4-Dioxane
Concen: 2096.049 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 56273

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	71.6	56.7	85.1

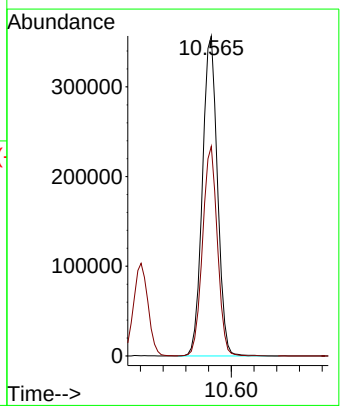


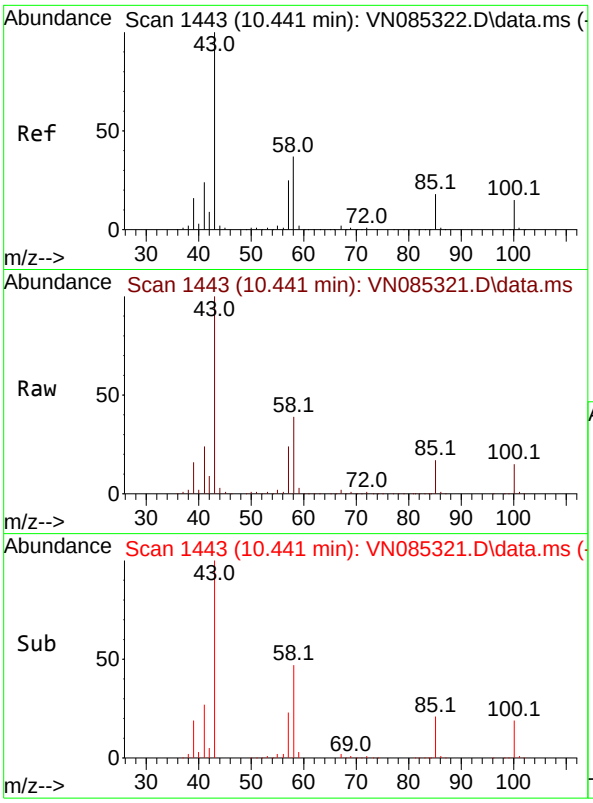


#50
Toluene-d8
Concen: 103.853 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 98 Resp: 652176

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3



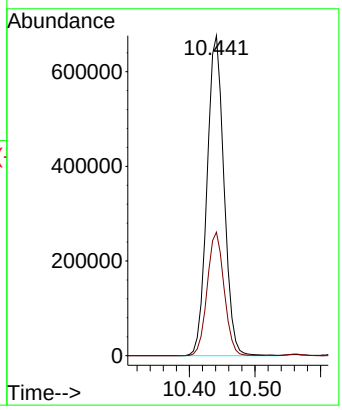


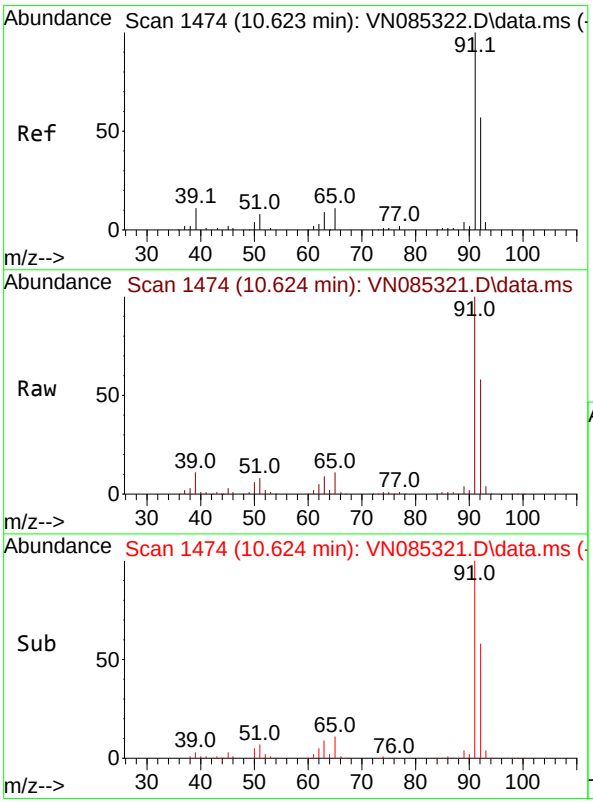
#51
4-Methyl-2-Pentanone
Concen: 525.905 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1211949

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.3	45.5

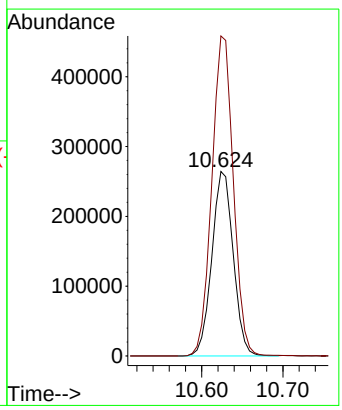


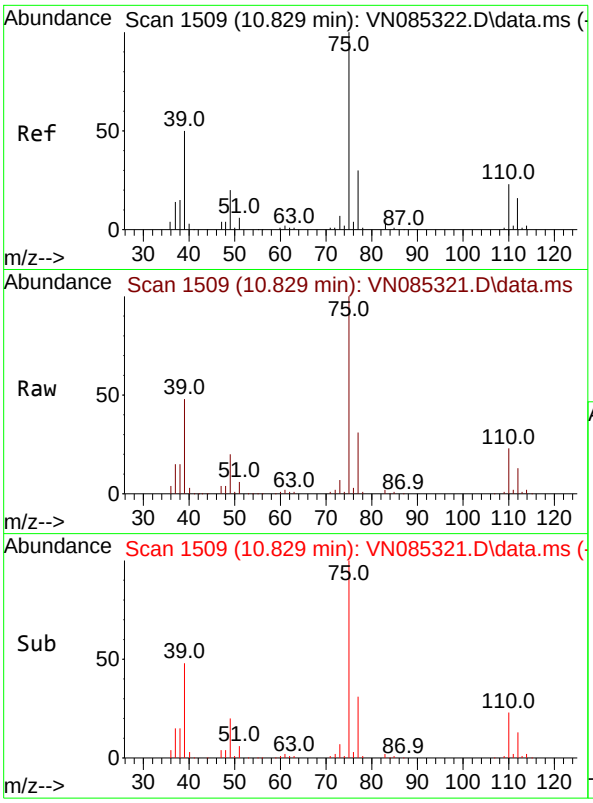


#52
Toluene
Concen: 107.195 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 92 Resp: 483534

Ion	Ratio	Lower	Upper
92	100		
91	174.8	140.2	210.4



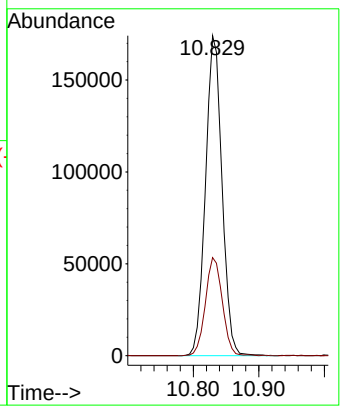


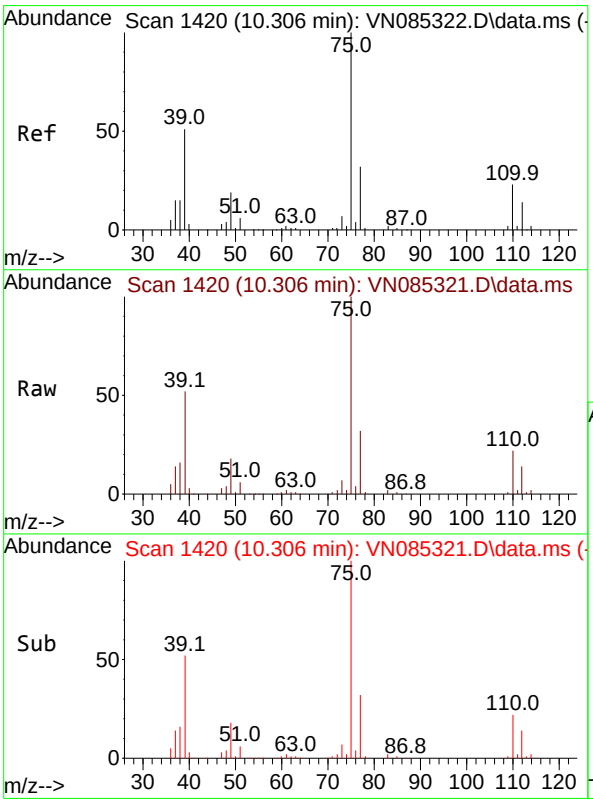
#53
t-1,3-Dichloropropene
Concen: 111.463 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 304711

Ion	Ratio	Lower	Upper
75	100		
77	30.7	23.8	35.6

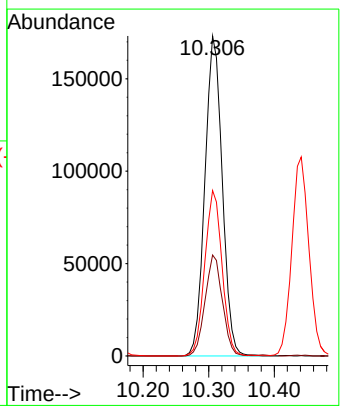


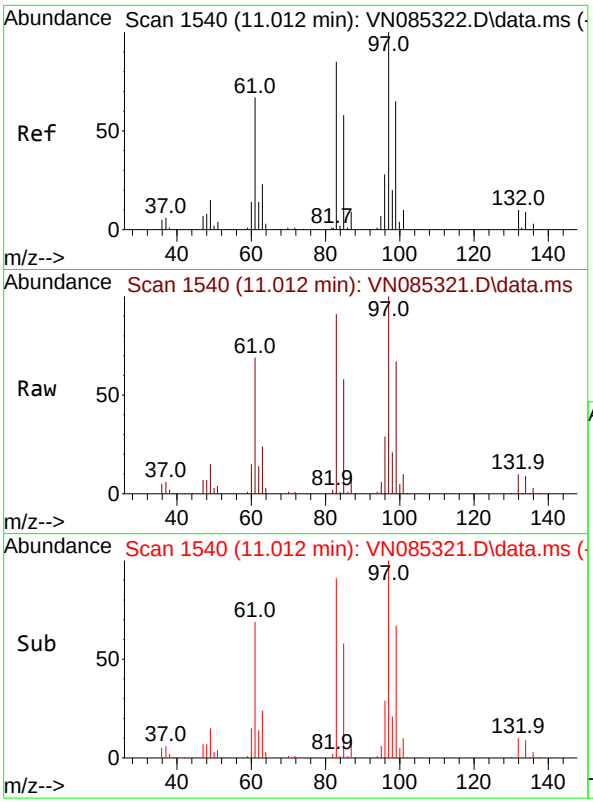


#54
cis-1,3-Dichloropropene
Concen: 107.971 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 319172

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	51.7	40.5	60.7



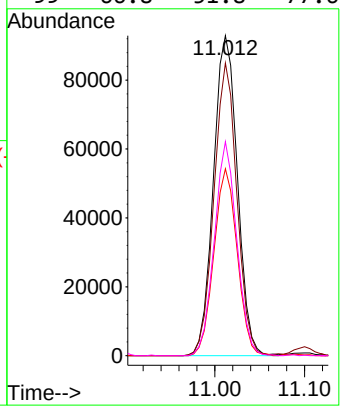


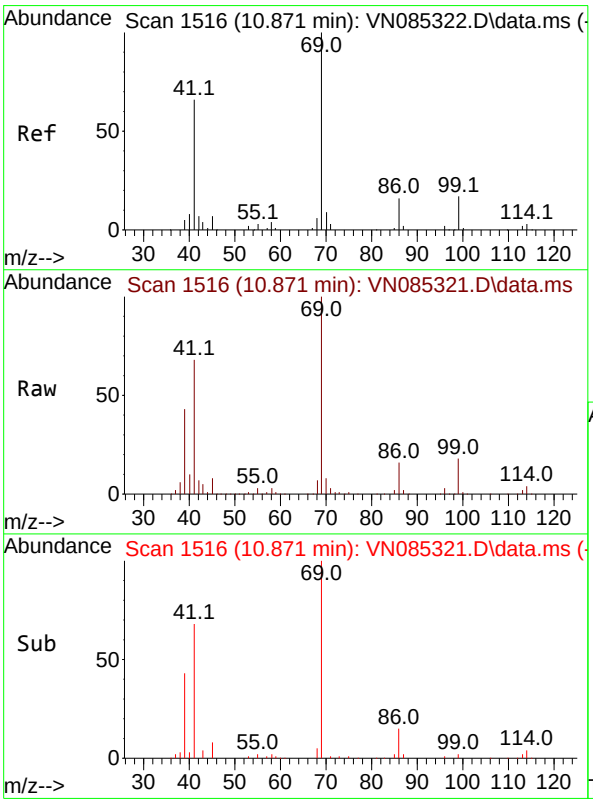
#55
1,1,2-Trichloroethane
Concen: 101.034 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 172065

Ion	Ratio	Lower	Upper
97	100		
83	91.5	67.7	101.5
85	58.4	46.2	69.4
99	66.8	51.8	77.6

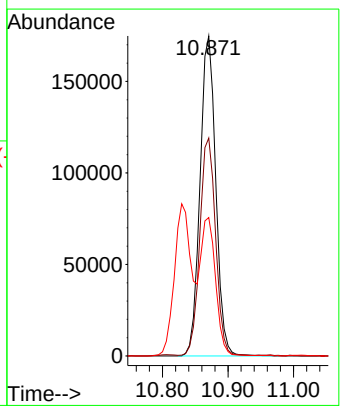


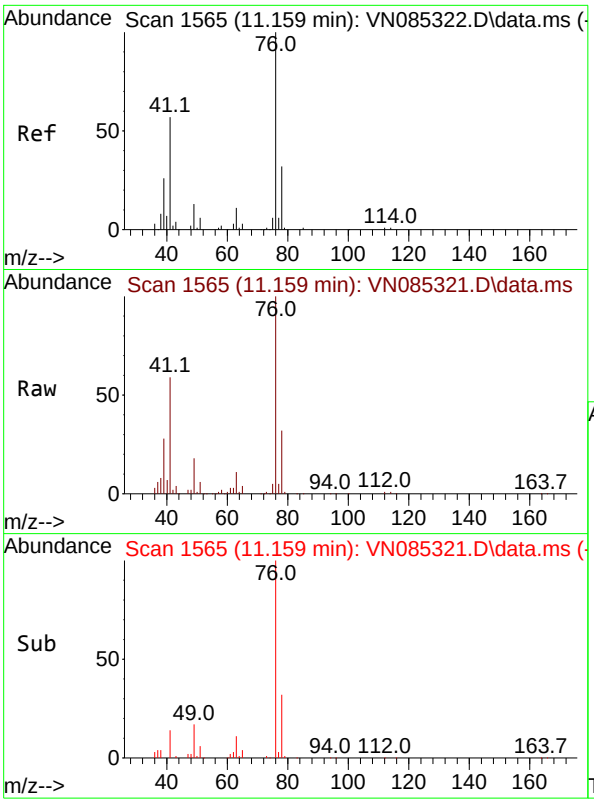


#56
Ethyl methacrylate
Concen: 117.730 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 69 Resp: 292009

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.3	81.5
39	39.7	32.0	48.0



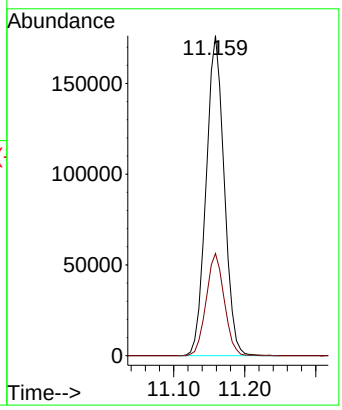


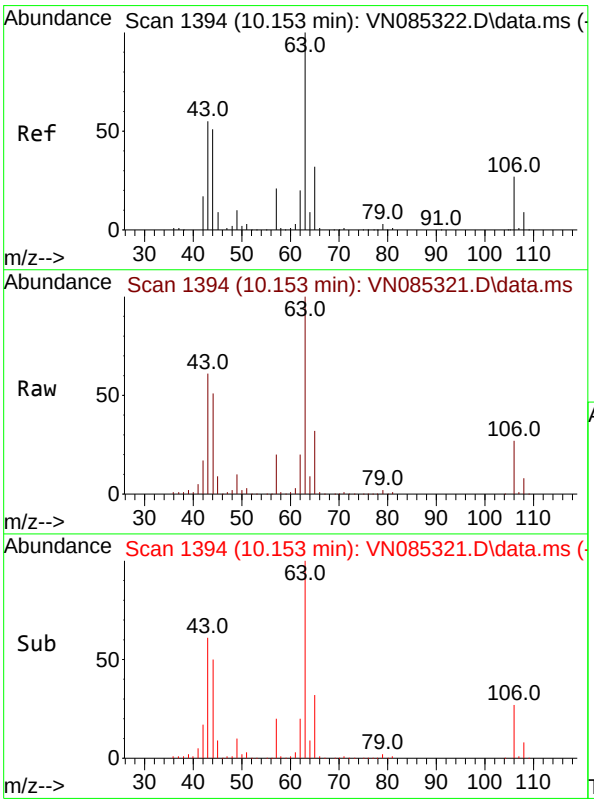
#57
1,3-Dichloropropane
Concen: 104.087 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 311119

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

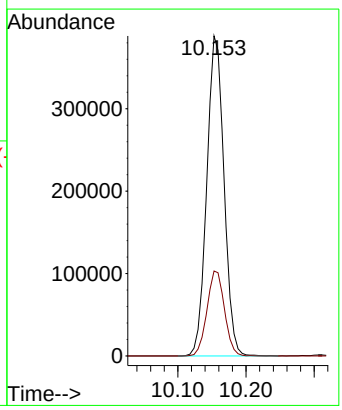


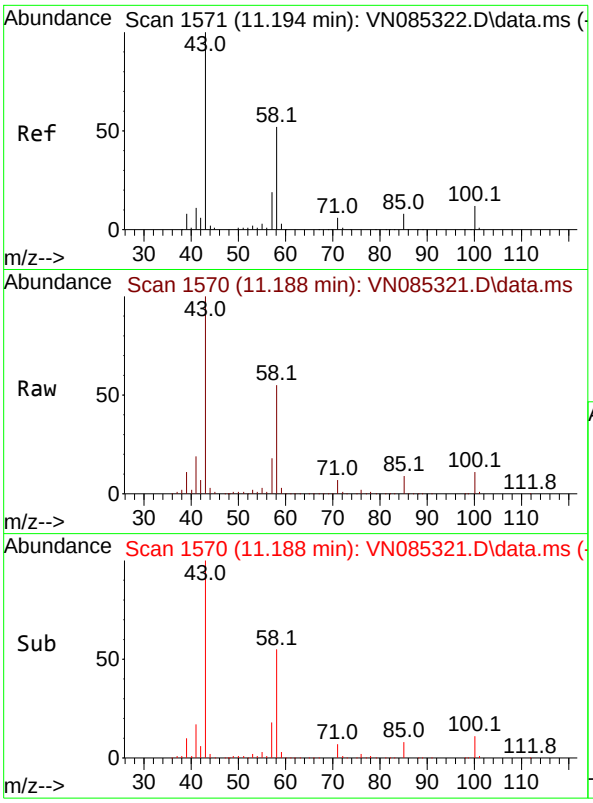


#58
2-Chloroethyl Vinyl ether
Concen: 569.087 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 63 Resp: 682916

Ion	Ratio	Lower	Upper
63	100		
106	26.9	22.1	33.1



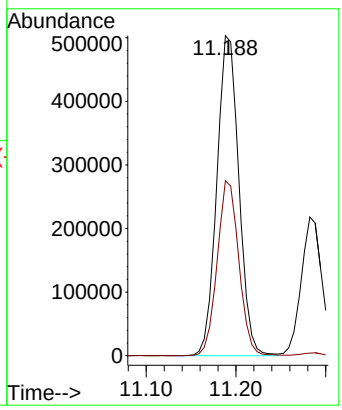


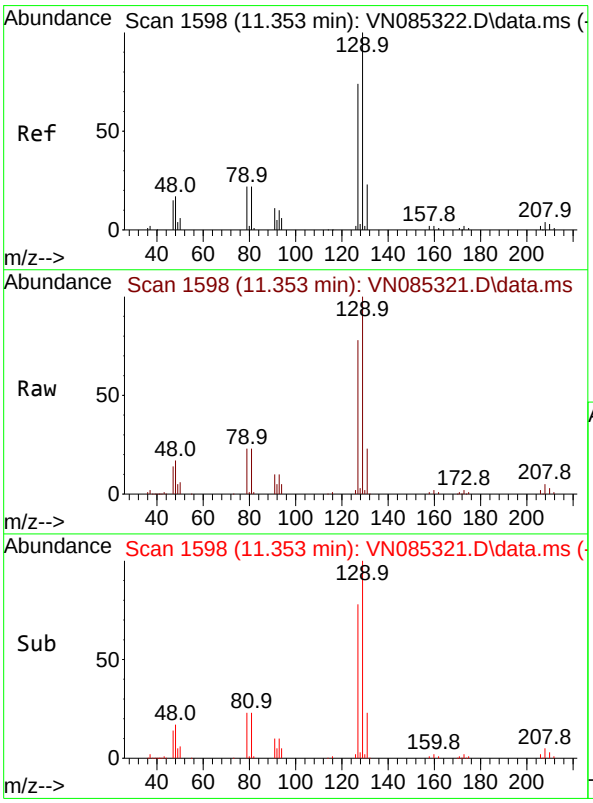
#59
2-Hexanone
Concen: 536.829 ug/l
RT: 11.188 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 858322

Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.5	79.5

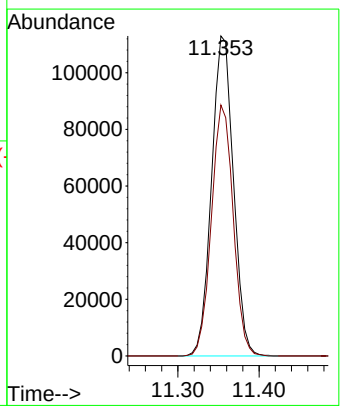


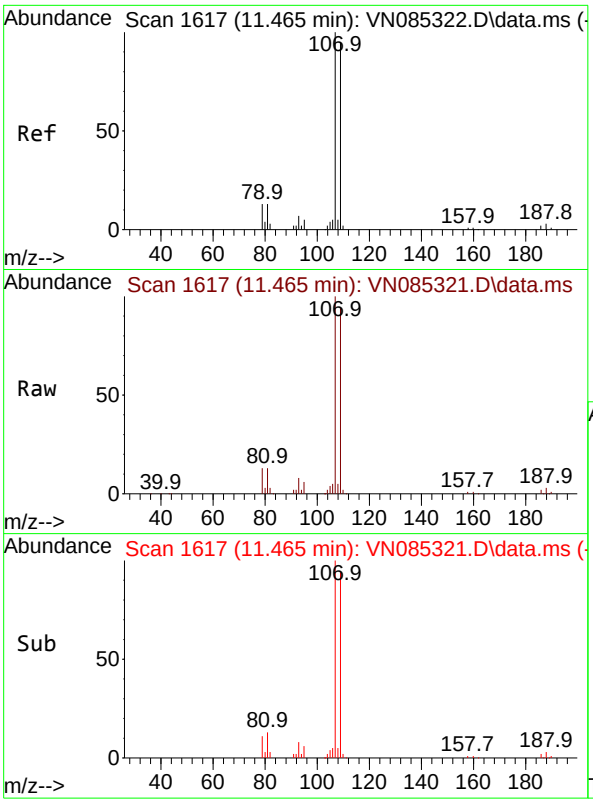


#60
Dibromochloromethane
Concen: 110.251 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:129 Resp: 211482

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.3	114.9



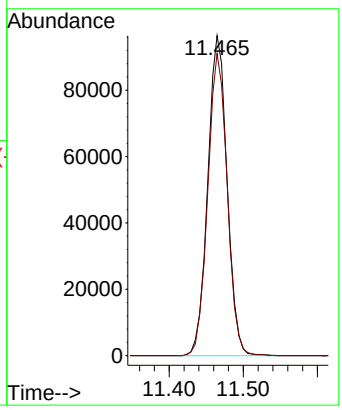


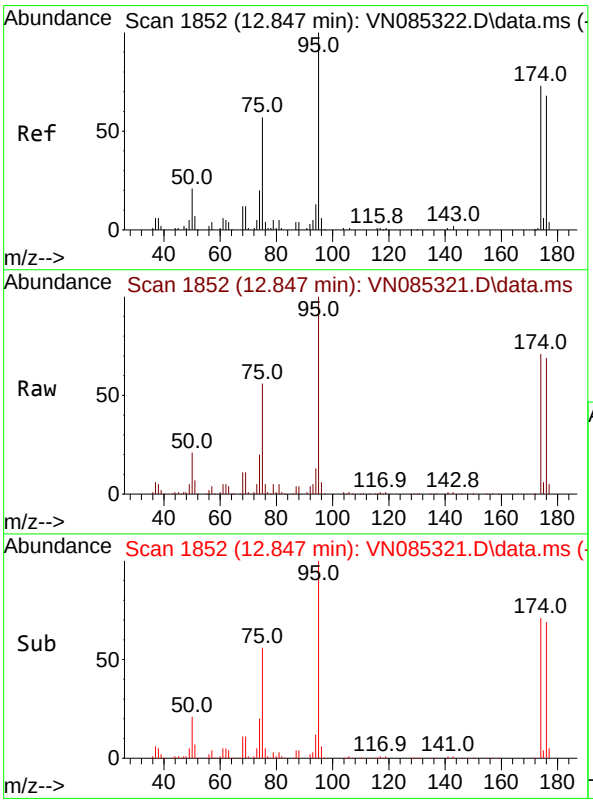
#61
1,2-Dibromoethane
Concen: 103.568 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 174500

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3

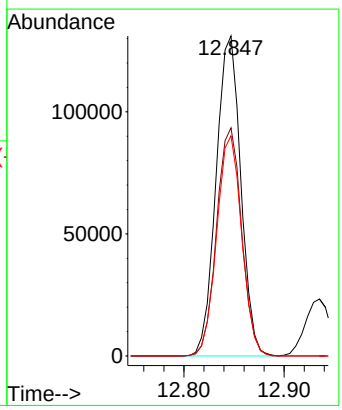


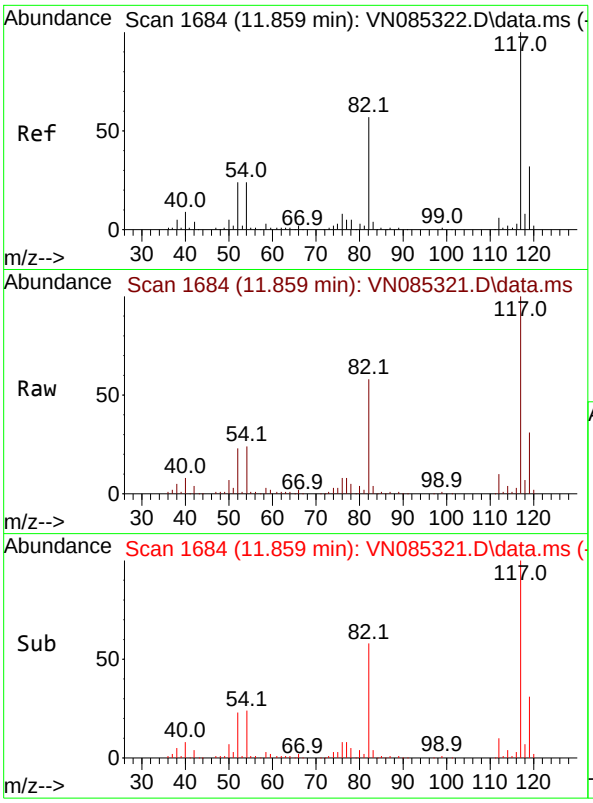


#62
4-Bromofluorobenzene
Concen: 107.189 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 95 Resp: 223549

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	143.2
176	69.5	0.0	135.8



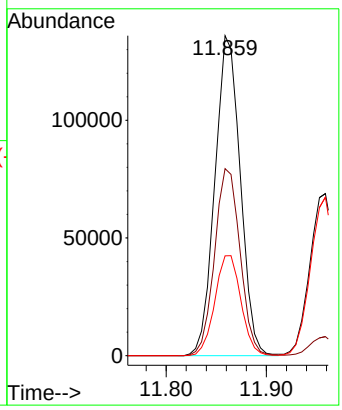


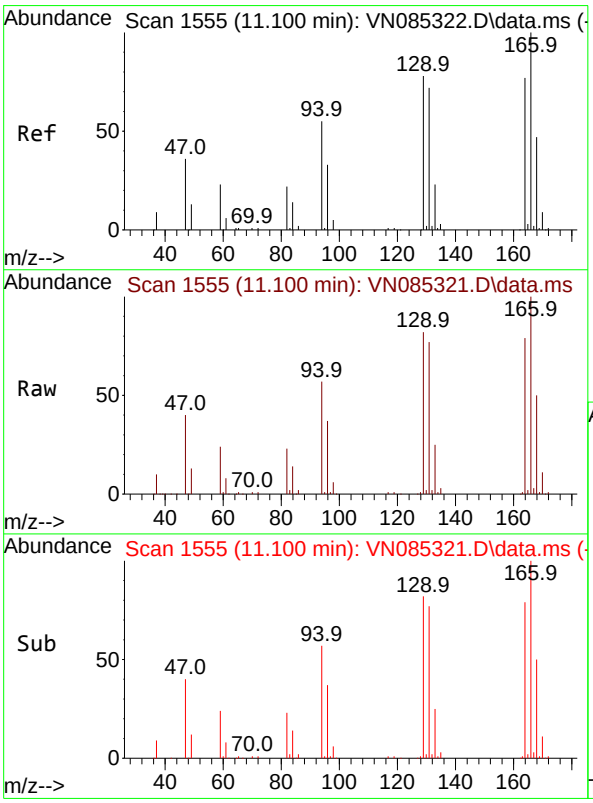
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 239296

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.7	68.5
119	31.2	25.8	38.8

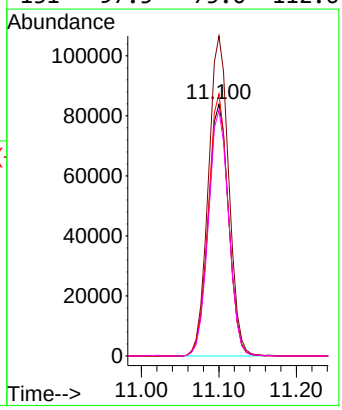


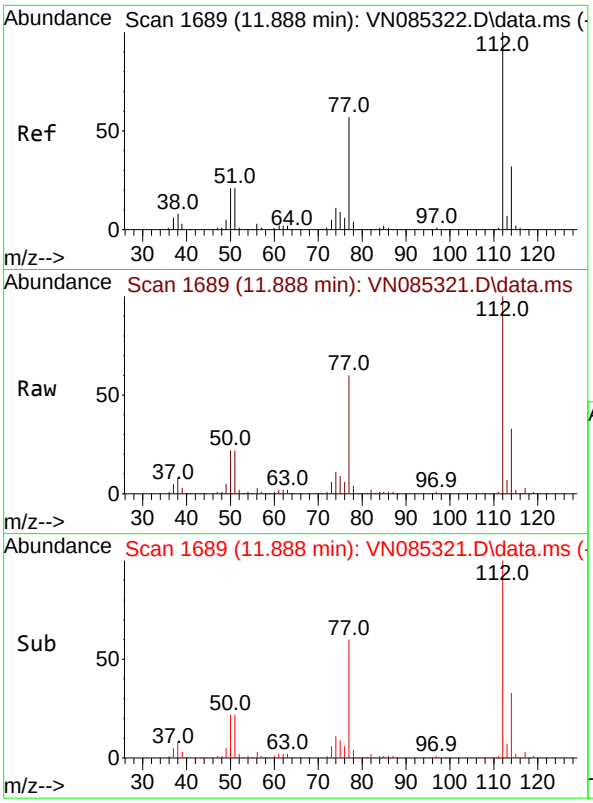


#64
Tetrachloroethene
Concen: 101.335 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:164 Resp: 153652

Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.0	156.0
129	104.1	81.3	121.9
131	97.5	75.0	112.6



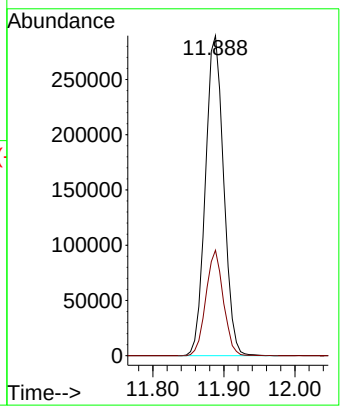


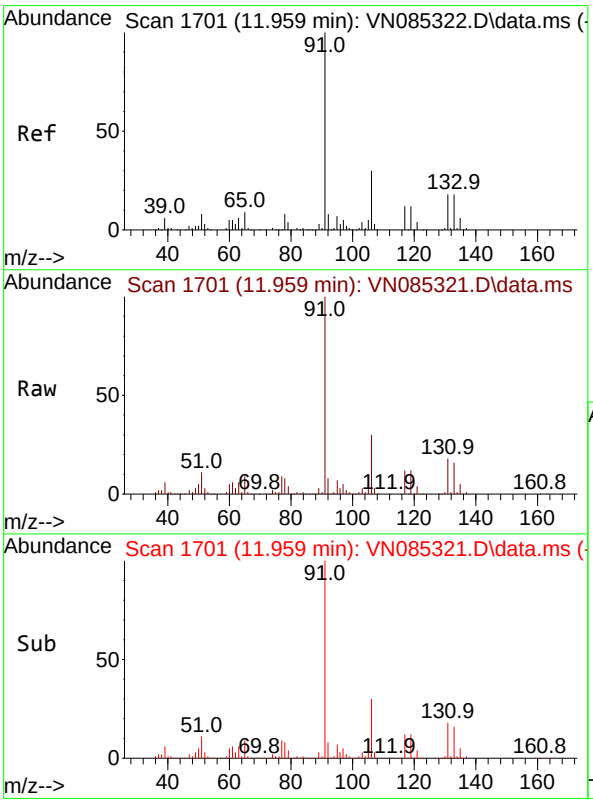
#65
Chlorobenzene
Concen: 99.951 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 516861

Ion	Ratio	Lower	Upper
112	100		
114	33.0	25.2	37.8

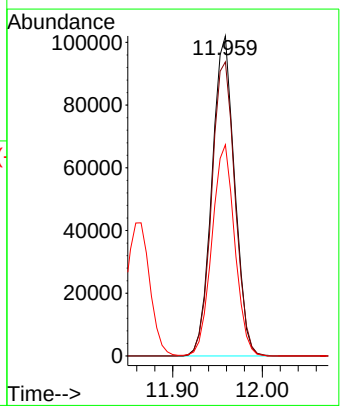


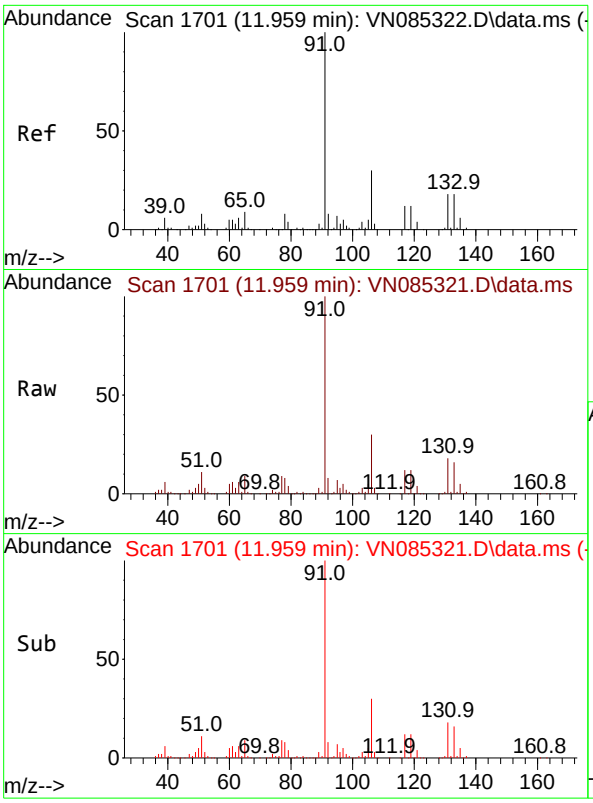


#66
1,1,1,2-Tetrachloroethane
Concen: 103.229 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:131 Resp: 179160

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.3	144.9
119	66.3	33.4	100.1



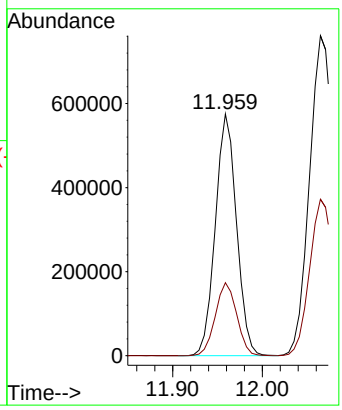


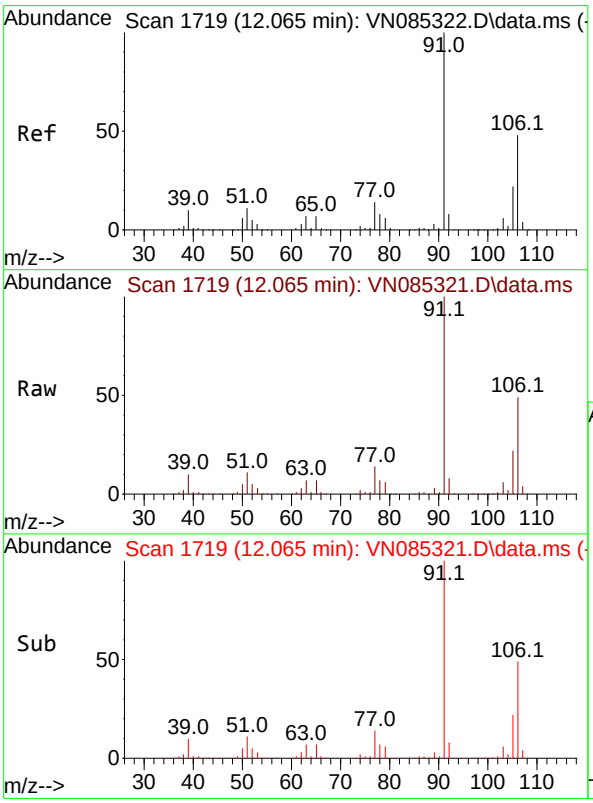
#67
Ethyl Benzene
Concen: 109.652 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 942995

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0

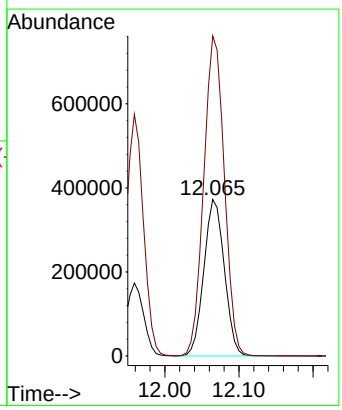


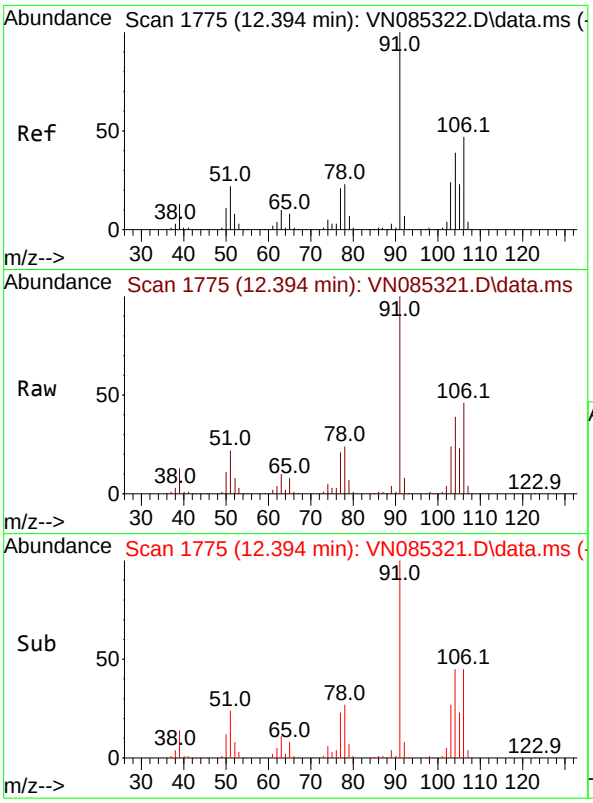


#68
m/p-Xylenes
Concen: 226.828 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:106 Resp: 713871

Ion	Ratio	Lower	Upper
106	100		
91	205.8	165.2	247.8



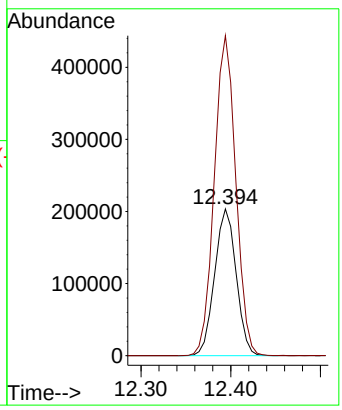


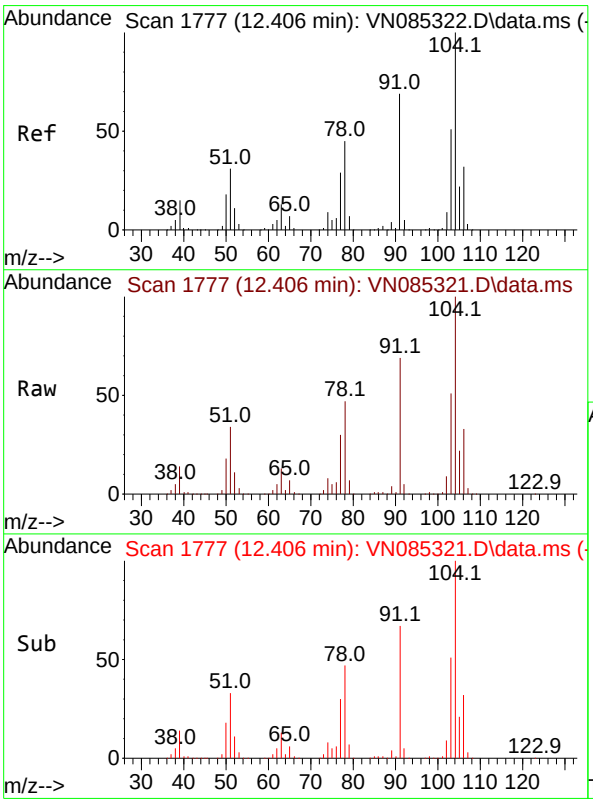
#69
o-Xylene
Concen: 111.332 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 338950

Ion	Ratio	Lower	Upper
106	100		
91	217.9	107.3	321.8

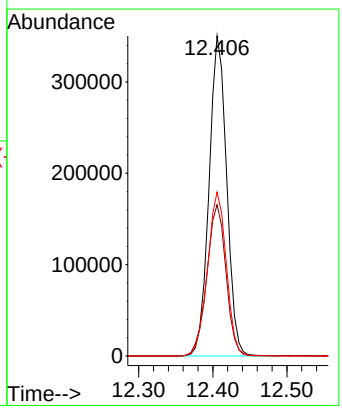


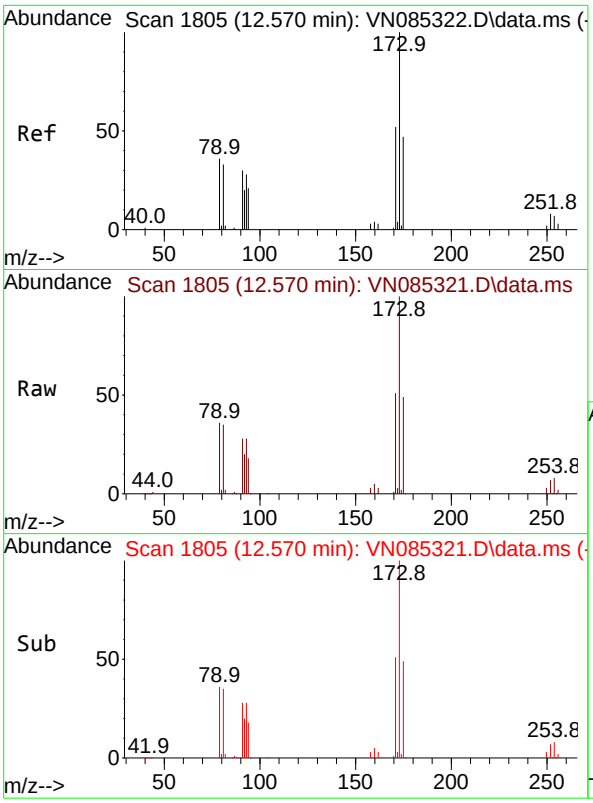


#70
Styrene
Concen: 117.286 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:104 Resp: 578718

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.7	61.1
103	54.7	44.1	66.1



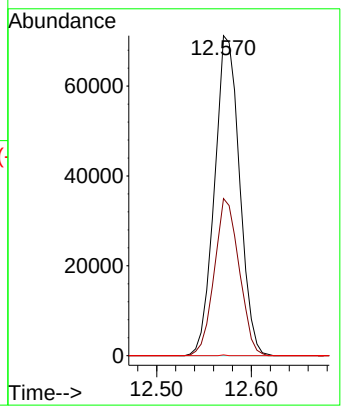


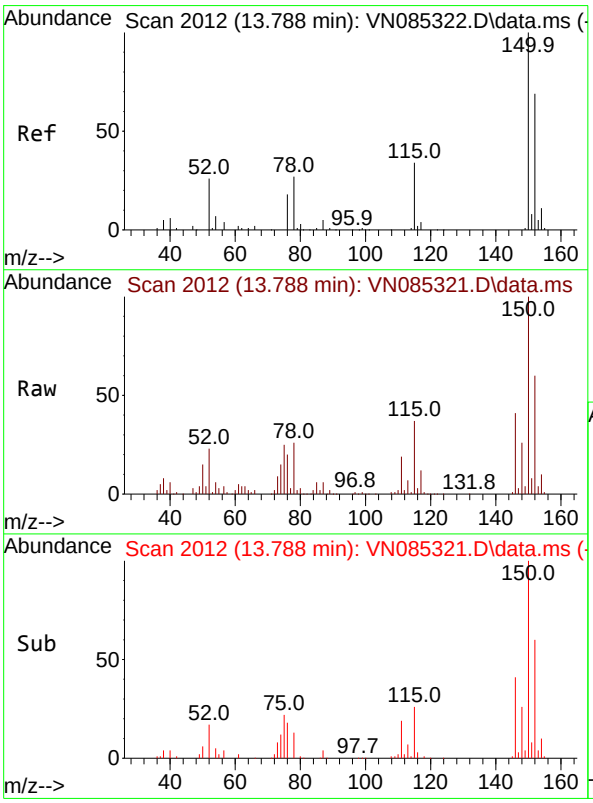
#71
Bromoform
Concen: 108.523 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 130453

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.1	0.0	0.0#

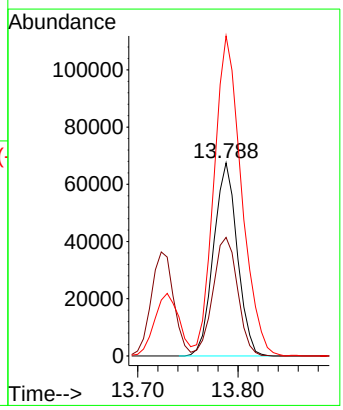


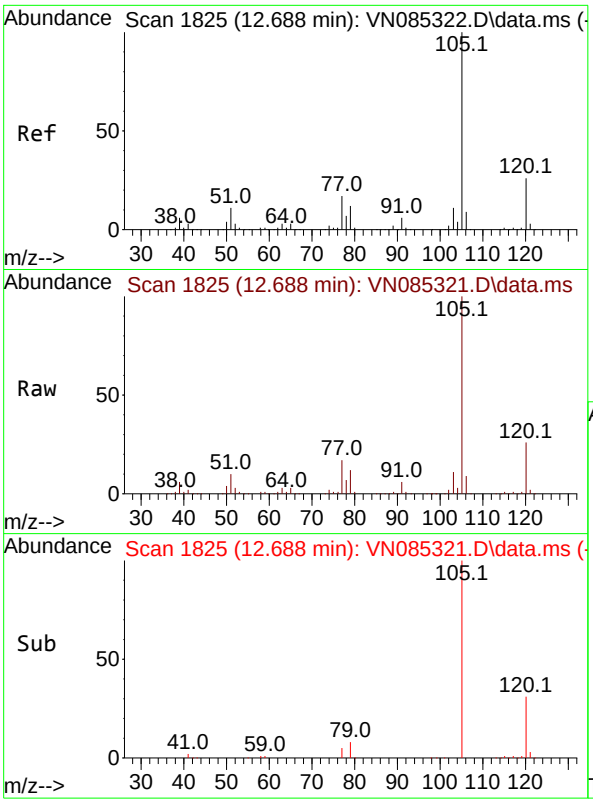


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:152 Resp: 110806

Ion	Ratio	Lower	Upper
152	100		
115	63.8	30.4	91.3
150	192.1	0.0	345.0



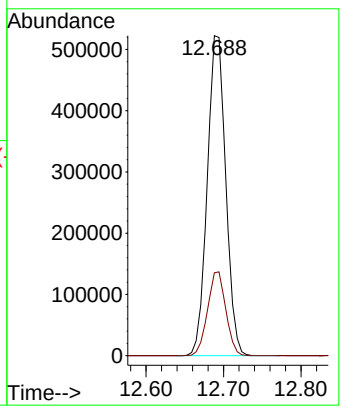


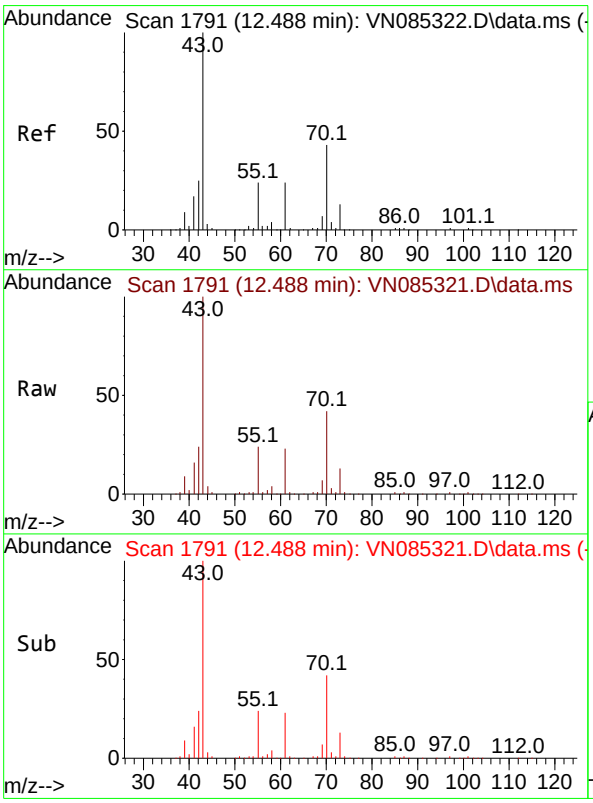
#73
Isopropylbenzene
Concen: 108.621 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 865504

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.6

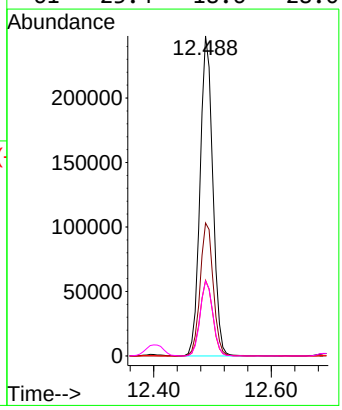


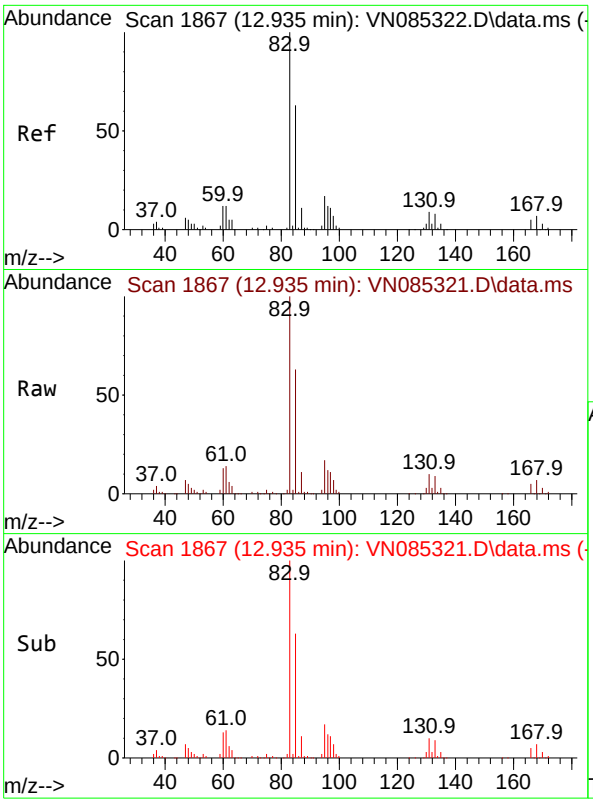


#74
N-amyl acetate
Concen: 109.477 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 43 Resp: 373392

Ion	Ratio	Lower	Upper
43	100		
70	42.5	33.4	50.0
55	23.6	19.2	28.8
61	23.4	18.6	28.0



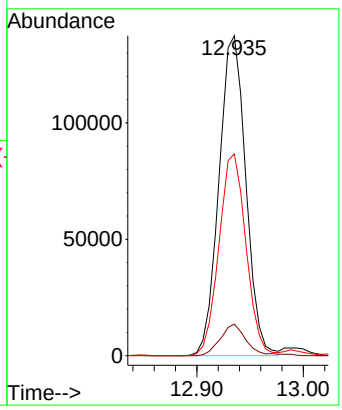


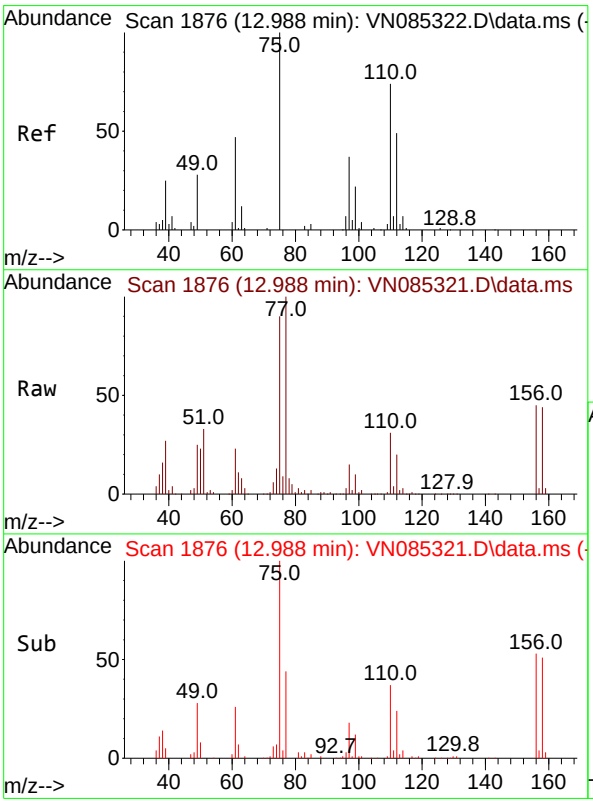
#75
1,1,2,2-Tetrachloroethane
Concen: 94.731 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 240405

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	63.6	32.6	98.0

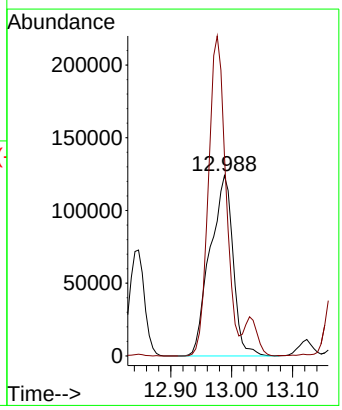


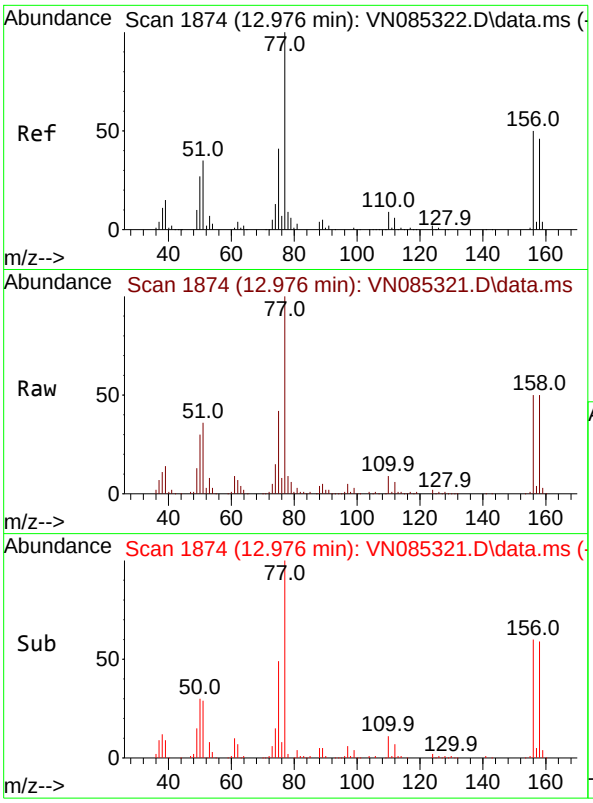


#76
1,2,3-Trichloropropane
Concen: 101.263 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 326002

Ion	Ratio	Lower	Upper
75	100		
77	133.5	98.1	294.3



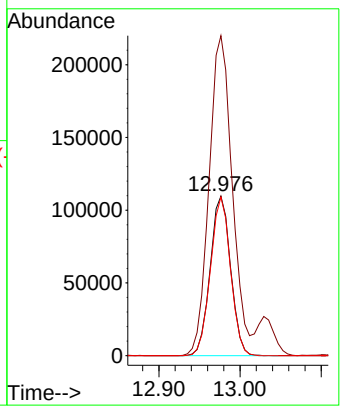


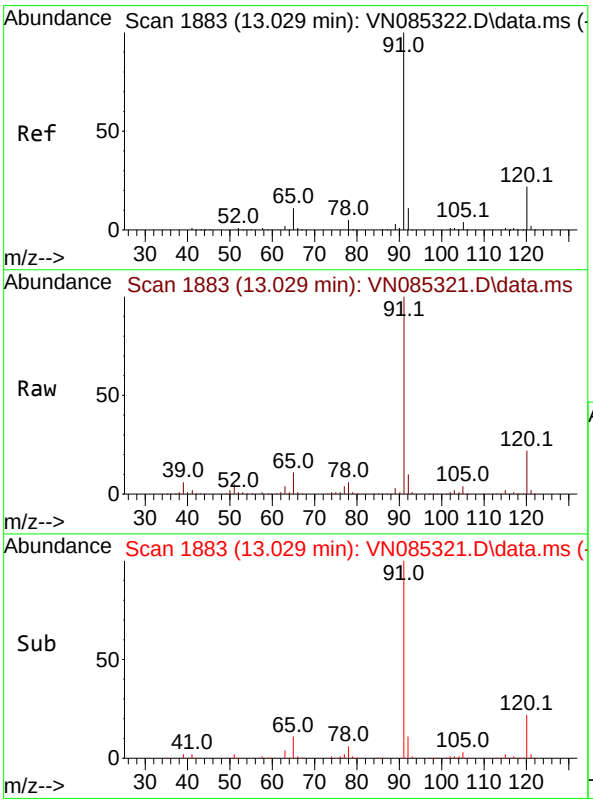
#77
Bromobenzene
Concen: 97.157 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 191802

Ion	Ratio	Lower	Upper
156	100		
77	226.9	114.0	342.0
158	97.4	47.6	142.8

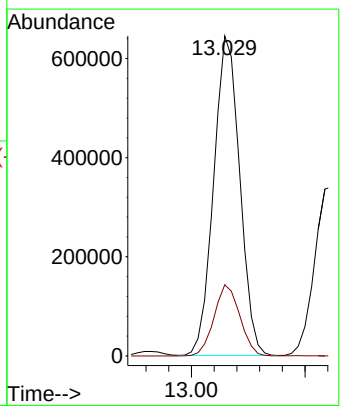


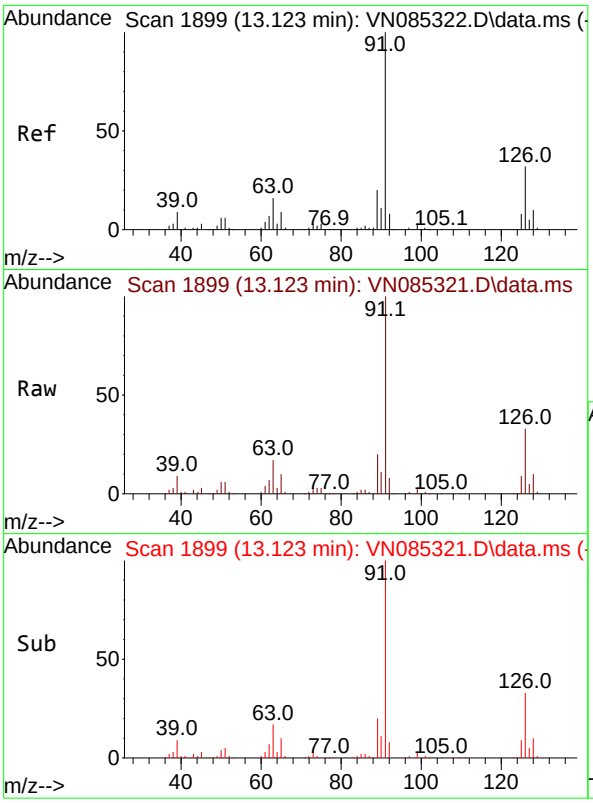


#78
n-propylbenzene
Concen: 110.557 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 1026870

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9



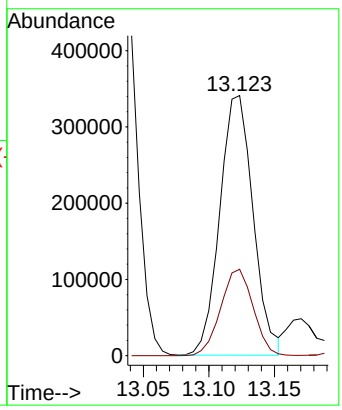


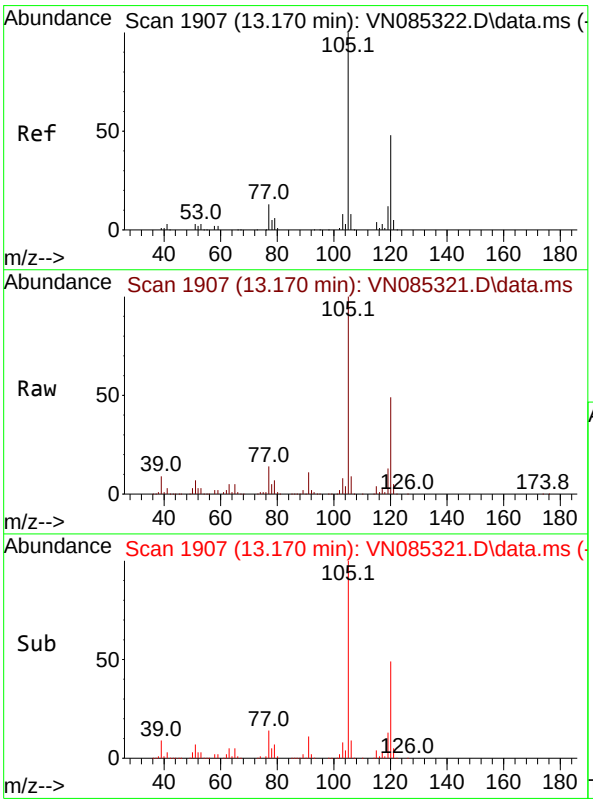
#79
2-Chlorotoluene
Concen: 103.099 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 602668

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0

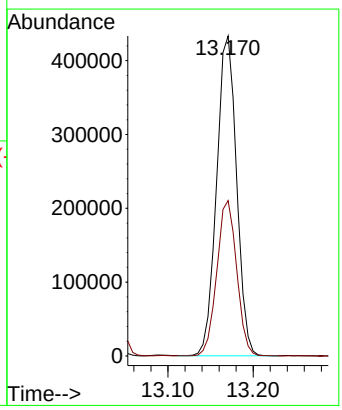


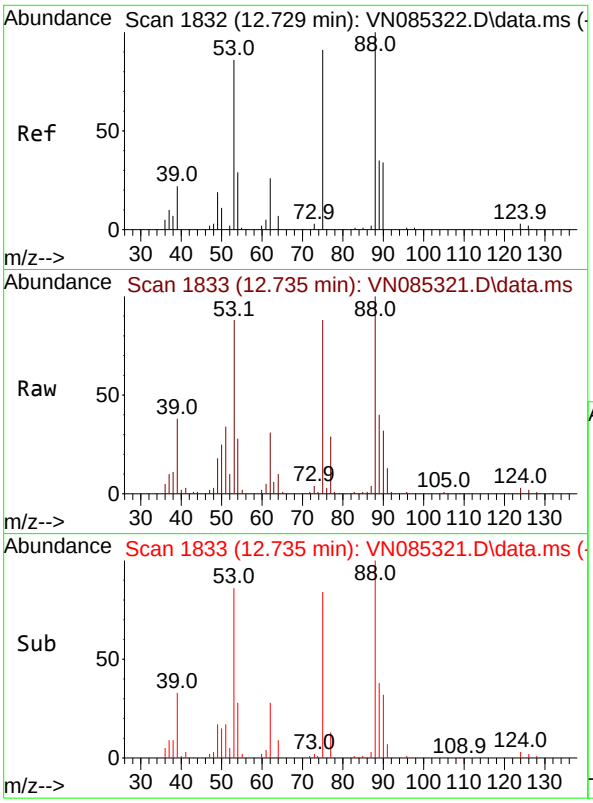


#80
1,3,5-Trimethylbenzene
Concen: 109.682 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 706917

Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.0	72.0



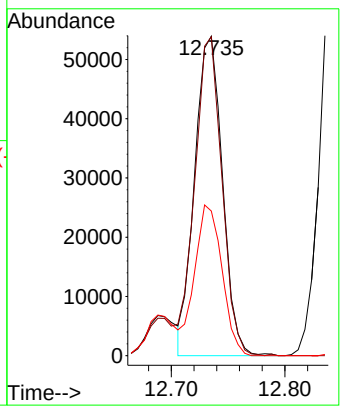


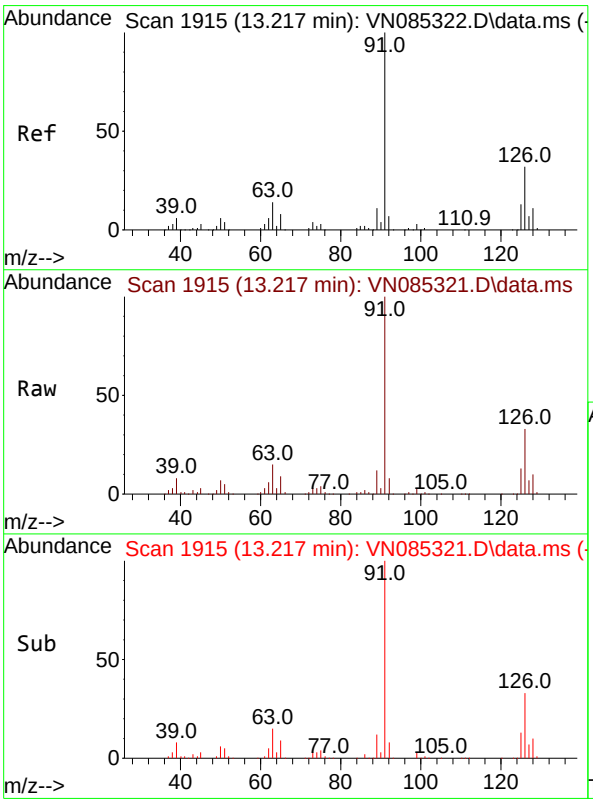
#81
trans-1,4-Dichloro-2-butene
Concen: 104.238 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 91679

Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.0	120.0
89	46.8	35.8	53.8

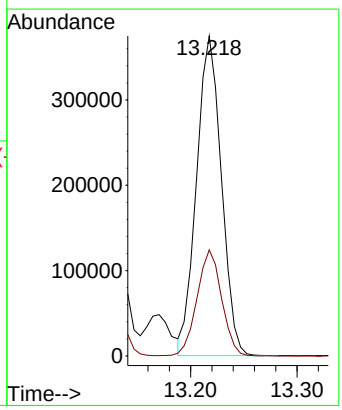


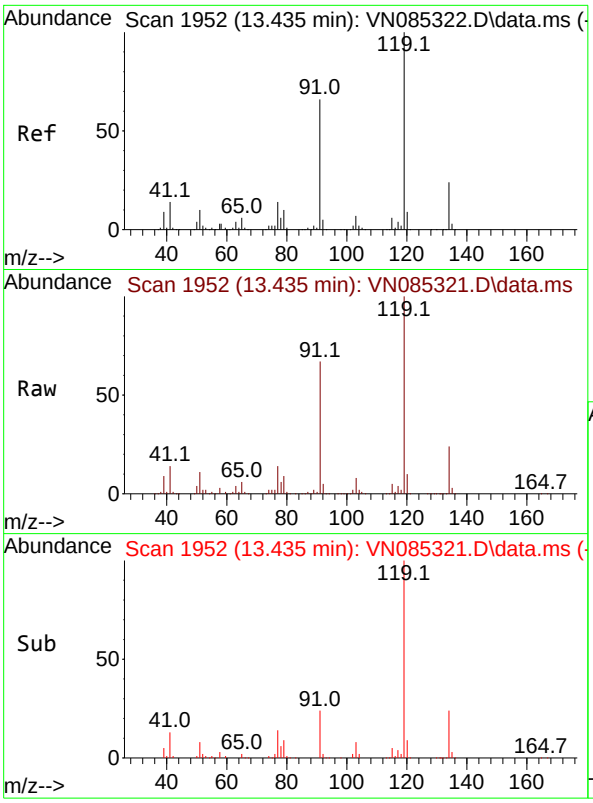


#82
4-Chlorotoluene
Concen: 103.257 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 91 Resp: 607903

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



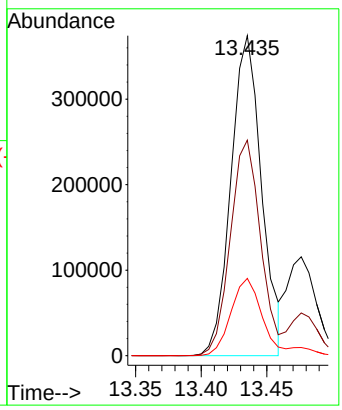


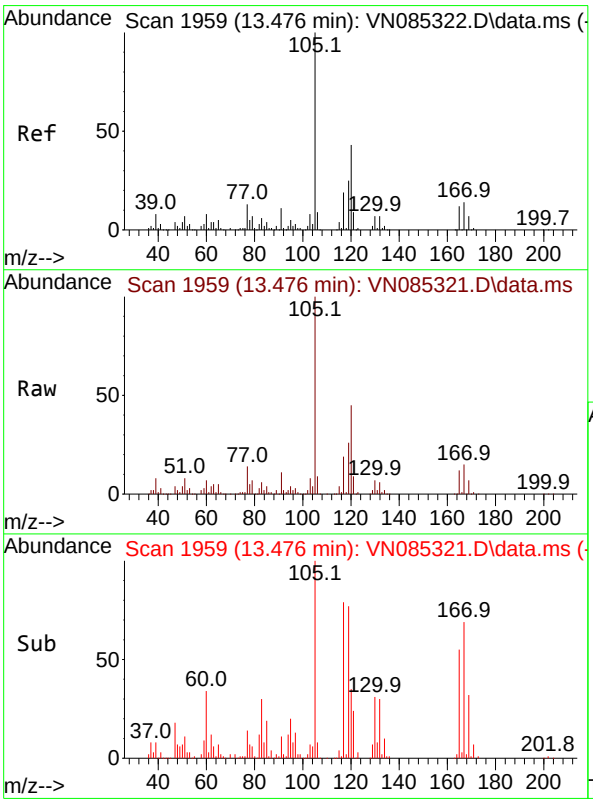
#83
tert-Butylbenzene
Concen: 109.059 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 608882

Ion	Ratio	Lower	Upper
119	100		
91	66.4	33.6	100.8
134	24.3	13.3	39.8

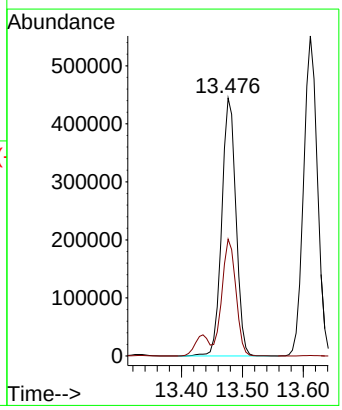


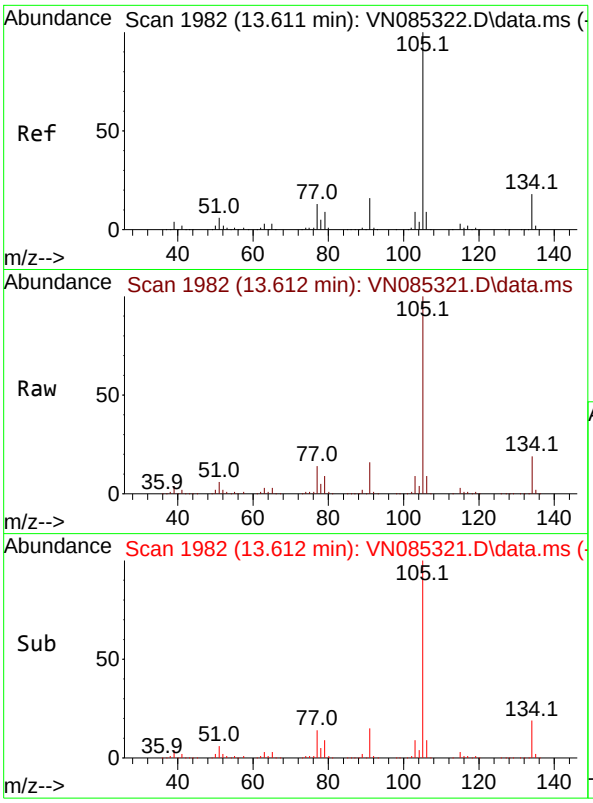


#84
1,2,4-Trimethylbenzene
Concen: 112.160 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:105 Resp: 719806

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.7	65.1



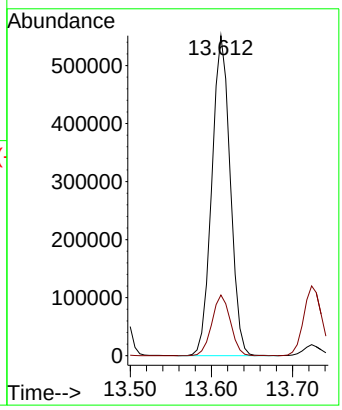


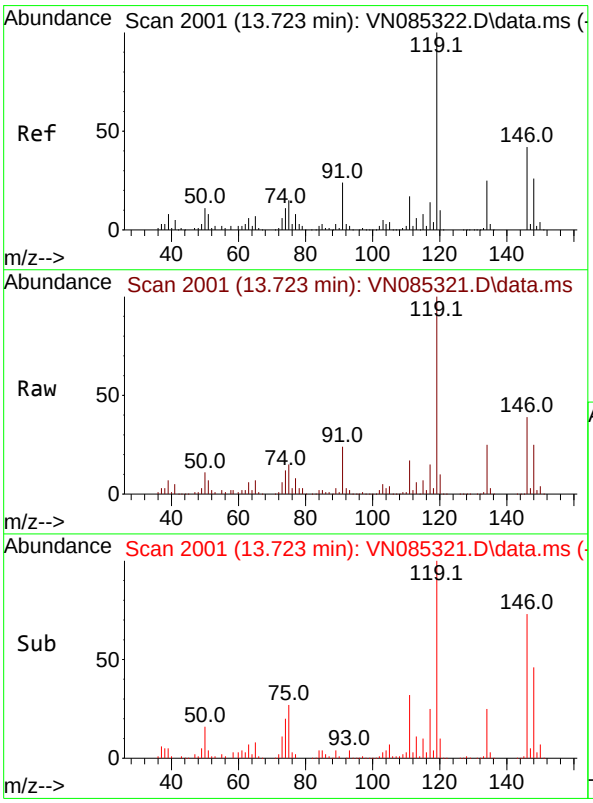
#85
sec-Butylbenzene
Concen: 112.004 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 867992

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.3

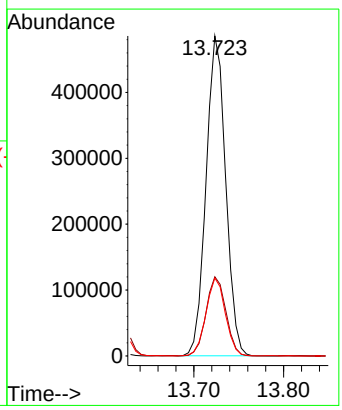


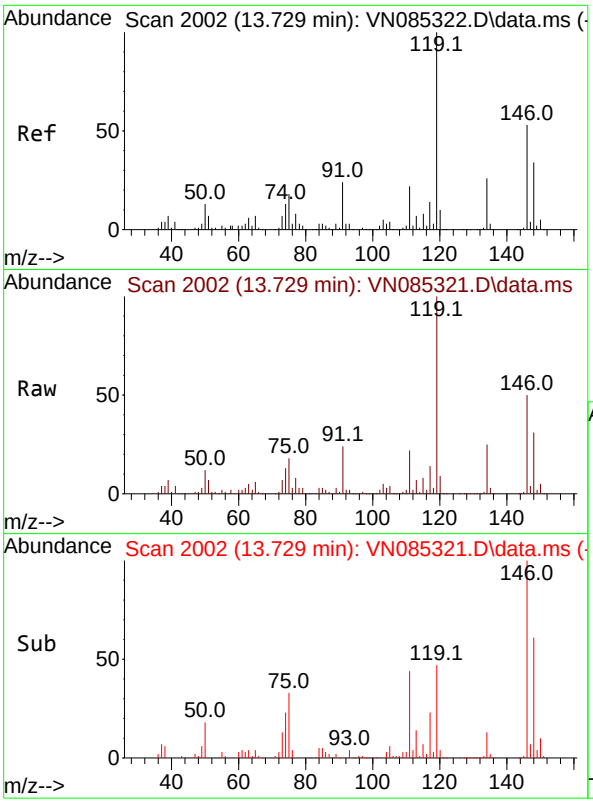


#86
p-Isopropyltoluene
Concen: 118.067 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:119 Resp: 736735

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	24.0	12.2	36.4



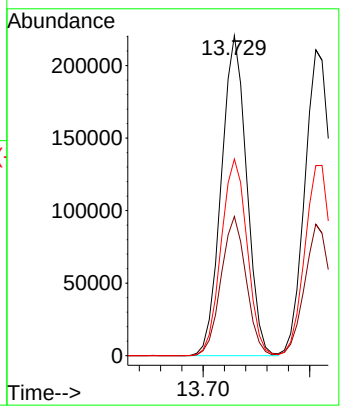


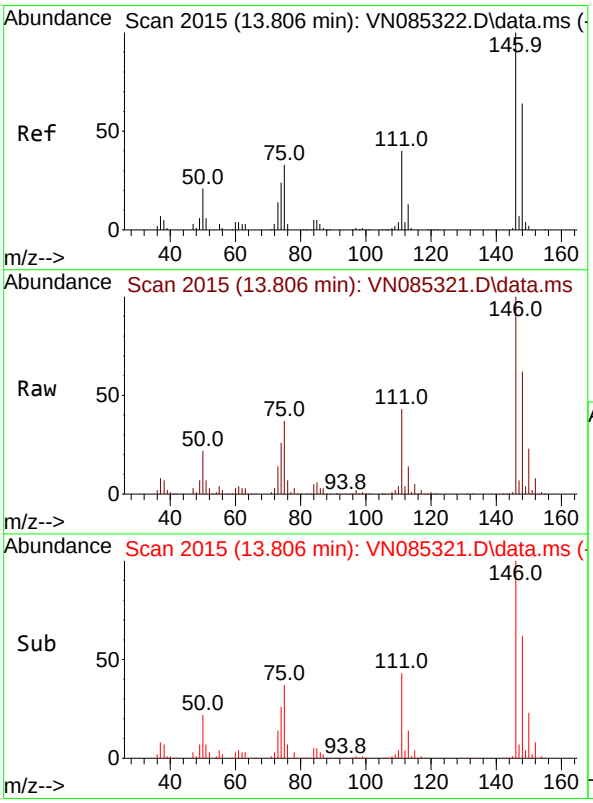
#87
1,3-Dichlorobenzene
Concen: 101.845 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 364480

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.2	31.5	94.5

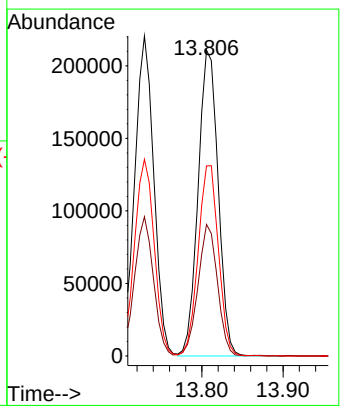


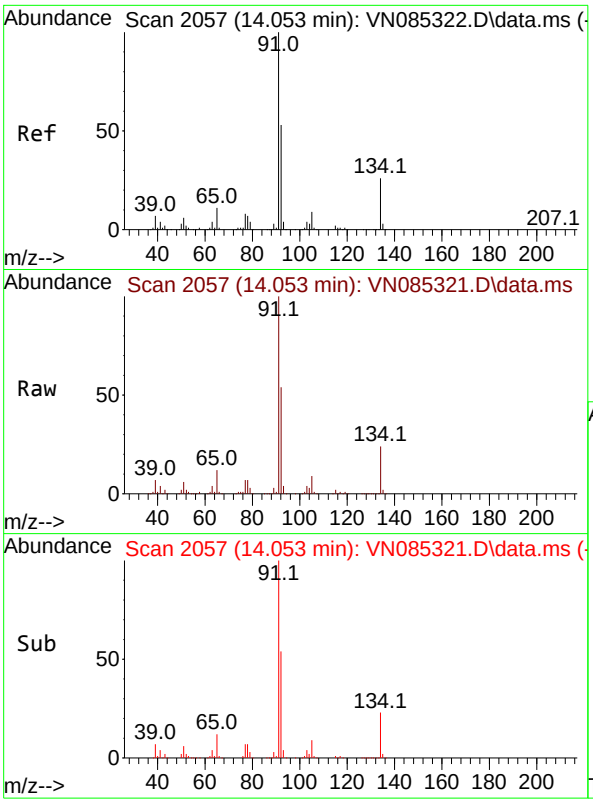


#88
1,4-Dichlorobenzene
Concen: 98.432 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:146 Resp: 361871

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.0	31.7	95.1



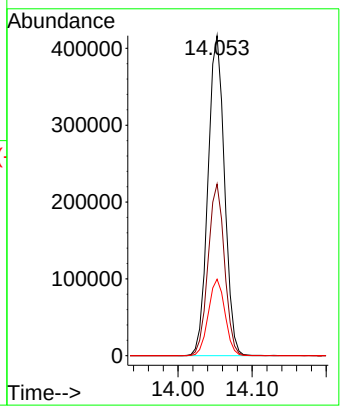


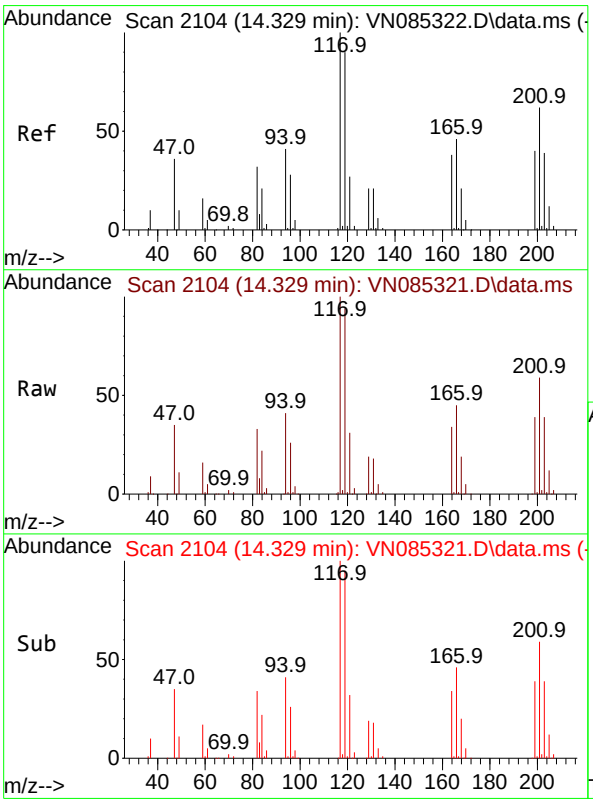
#89
n-Butylbenzene
Concen: 113.544 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 644347

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.0	78.0
134	24.1	12.1	36.3

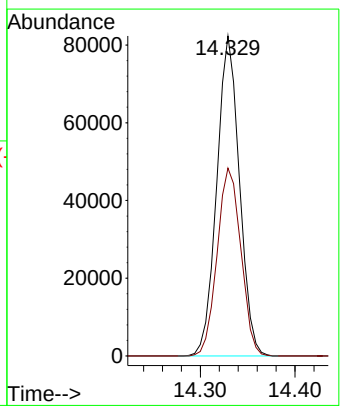


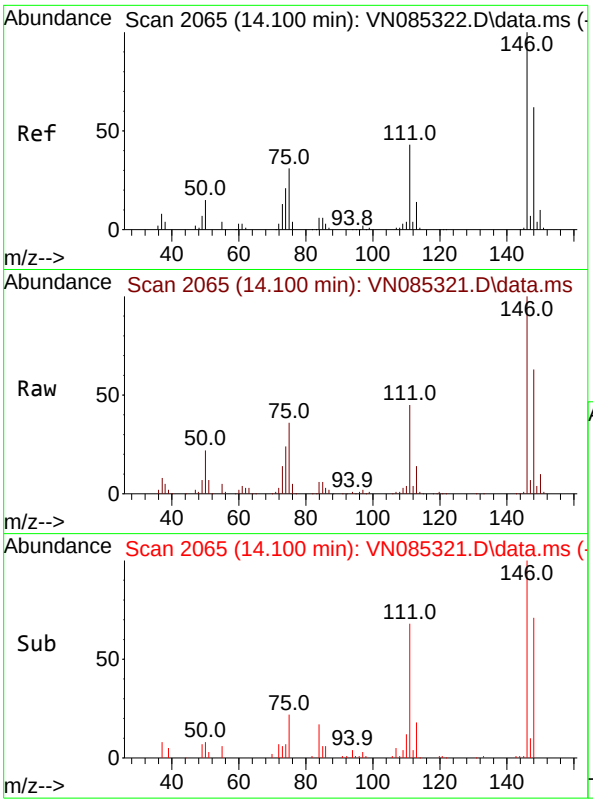


#90
Hexachloroethane
Concen: 107.835 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:117 Resp: 136982

Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.7	92.1



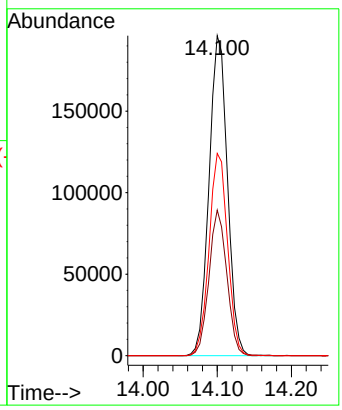


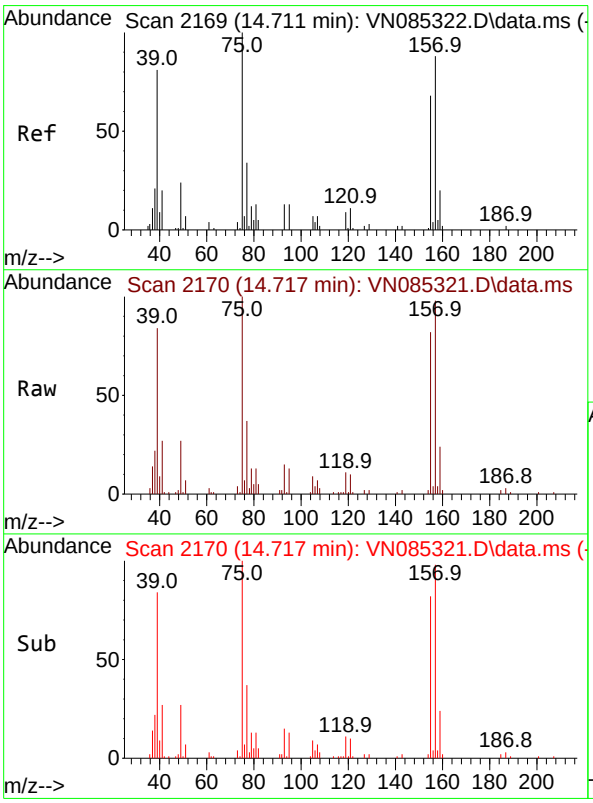
#91
1,2-Dichlorobenzene
Concen: 99.377 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 338794

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.5	31.4	94.2

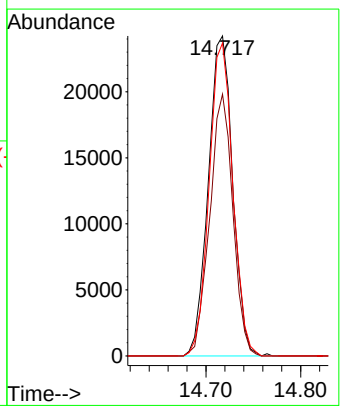


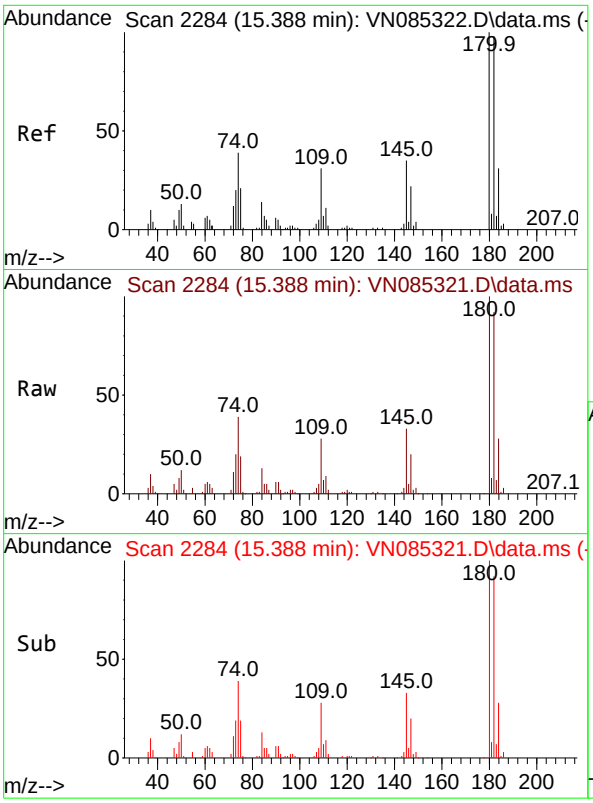


#92
1,2-Dibromo-3-Chloropropane
Concen: 95.745 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion: 75 Resp: 43244

Ion	Ratio	Lower	Upper
75	100		
155	77.8	35.6	106.9
157	95.2	47.0	141.0



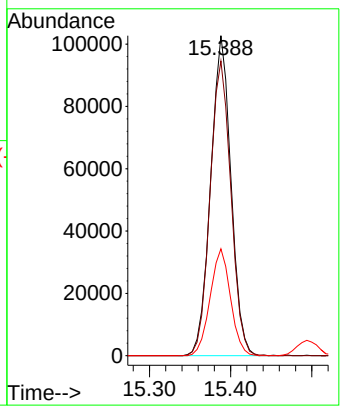


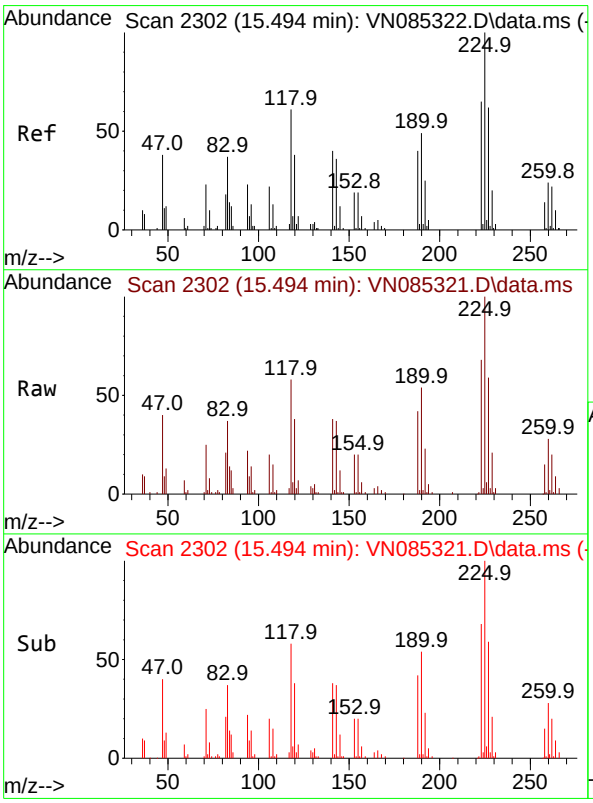
#93
1,2,4-Trichlorobenzene
Concen: 104.895 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 178476

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.2	141.6
145	33.4	16.6	49.8

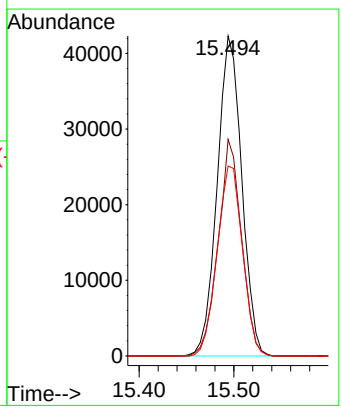


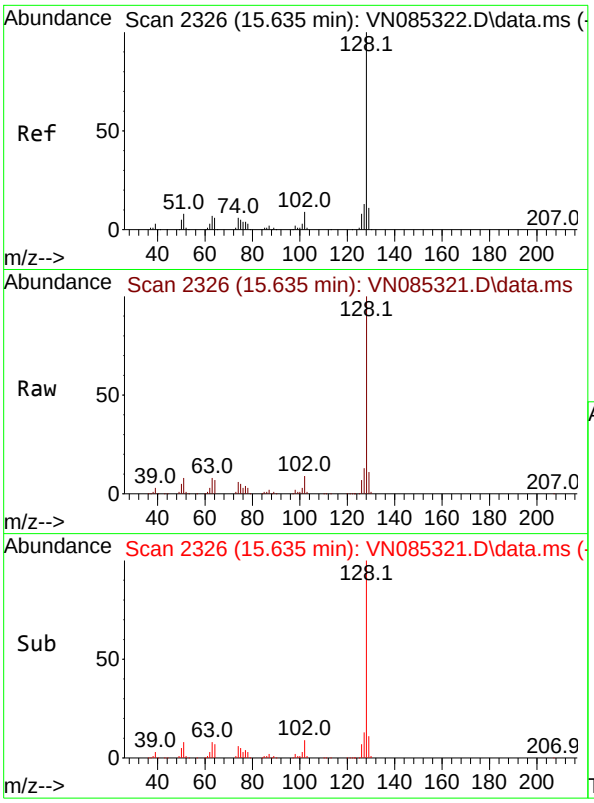


#94
Hexachlorobutadiene
Concen: 90.312 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:225 Resp: 76348

Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.6	94.7
227	61.5	30.3	91.0



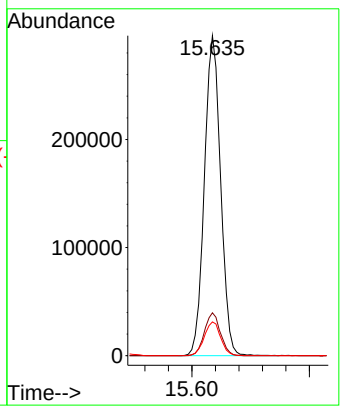


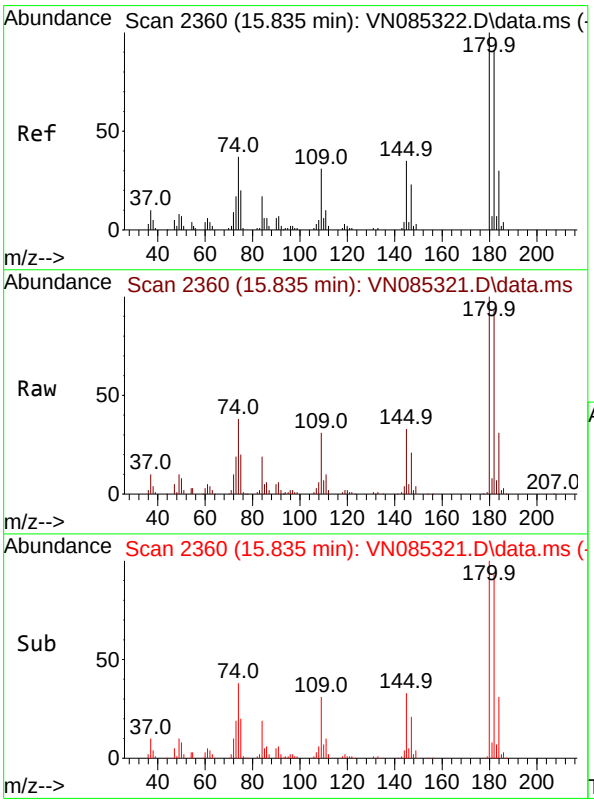
#95
Naphthalene
Concen: 98.477 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 568171

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.7	8.5	12.7

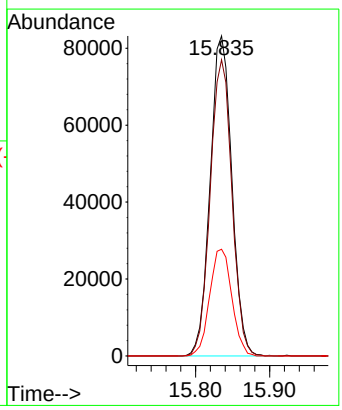




#96
1,2,3-Trichlorobenzene
Concen: 99.403 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085321.D
Acq: 27 Dec 2024 10:26

Tgt Ion:180 Resp: 168986

Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.8	140.4
145	34.1	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Dec 28 00:05:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	155532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	240680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111594	50.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.159	113	88275	50.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.559	98	323100	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.847	95	111548	52.700	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	108746	51.698	ug/l	100
3) Chloromethane	2.359	50	106659	45.115	ug/l	100
4) Vinyl Chloride	2.512	62	117884	47.149	ug/l	100
5) Bromomethane	2.959	94	74886	45.796	ug/l	100
6) Chloroethane	3.124	64	74955	47.272	ug/l	100
7) Trichlorofluoromethane	3.500	101	158878	48.340	ug/l	100
8) Diethyl Ether	3.959	74	55553	51.048	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	89878	48.059	ug/l	100
10) Methyl Iodide	4.594	142	111290	51.423	ug/l	100
11) Tert butyl alcohol	5.512	59	66517	239.459	ug/l	100
12) 1,1-Dichloroethene	4.342	96	83691	48.422	ug/l	100
13) Acrolein	4.177	56	101450	234.253	ug/l	100
14) Allyl chloride	5.018	41	133004	48.082	ug/l	100
15) Acrylonitrile	5.712	53	213836	244.575	ug/l	100
16) Acetone	4.418	43	173280	237.550	ug/l	100
17) Carbon Disulfide	4.712	76	238824	45.421	ug/l	100
18) Methyl Acetate	5.018	43	108199	48.449	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	290643	51.737	ug/l	100
20) Methylene Chloride	5.271	84	95357	48.601	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	87901	48.686	ug/l	100
22) Diisopropyl ether	6.665	45	302742	50.788	ug/l	100
23) Vinyl Acetate	6.594	43	1110592	246.277	ug/l	100
24) 1,1-Dichloroethane	6.565	63	173999	48.458	ug/l	100
25) 2-Butanone	7.477	43	285403	252.198	ug/l	100
26) 2,2-Dichloropropane	7.482	77	160118	50.897	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	107476	50.718	ug/l	100
28) Bromochloromethane	7.806	49	82793	49.616	ug/l #	100
29) Tetrahydrofuran	7.830	42	185555	254.548	ug/l	100
30) Chloroform	7.959	83	176294	47.991	ug/l	100
31) Cyclohexane	8.253	56	152319	46.455	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	158921	48.441	ug/l	100
36) 1,1-Dichloropropene	8.365	75	128454	50.513	ug/l	100
37) Ethyl Acetate	7.553	43	115871	45.842	ug/l	100
38) Carbon Tetrachloride	8.359	117	139705	50.401	ug/l	100
39) Methylcyclohexane	9.594	83	140293	53.172	ug/l	100
40) Benzene	8.600	78	383405	49.867	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Dec 28 00:05:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	65714	50.764	ug/l		100
42) 1,2-Dichloroethane	8.665	62	131673	47.766	ug/l		100
43) Isopropyl Acetate	8.682	43	207309	49.811	ug/l		100
44) Trichloroethene	9.347	130	86607	47.578	ug/l		100
45) 1,2-Dichloropropane	9.612	63	94480	48.407	ug/l		100
46) Dibromomethane	9.706	93	66895	49.281	ug/l		100
47) Bromodichloromethane	9.882	83	140475	49.791	ug/l		100
48) Methyl methacrylate	9.676	41	95506	52.885	ug/l		100
49) 1,4-Dioxane	9.688	88	29967	1099.805	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	604417	258.422	ug/l		100
52) Toluene	10.623	92	235625	51.469	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	147289	53.087	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	154618	51.536	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	85262	49.329	ug/l		100
56) Ethyl methacrylate	10.871	69	139960	55.599	ug/l		100
57) 1,3-Dichloropropane	11.159	76	154391	50.893	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	336991	276.695	ug/l		100
59) 2-Hexanone	11.194	43	428174	263.862	ug/l		100
60) Dibromochloromethane	11.353	129	103179	52.999	ug/l		100
61) 1,2-Dibromoethane	11.465	107	87157	50.969	ug/l		100
64) Tetrachloroethene	11.100	164	75140	49.270	ug/l		100
65) Chlorobenzene	11.888	112	252514	48.550	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	87333	50.030	ug/l		100
67) Ethyl Benzene	11.959	91	451752	52.228	ug/l		100
68) m/p-Xylenes	12.065	106	341420	107.860	ug/l		100
69) o-Xylene	12.394	106	165724	54.121	ug/l		100
70) Styrene	12.406	104	276012	55.616	ug/l		100
71) Bromoform	12.570	173	63268	52.330	ug/l	#	100
73) Isopropylbenzene	12.688	105	423362	51.888	ug/l		100
74) N-amyl acetate	12.488	43	183943	52.669	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	120681	46.441	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	163046	49.460	ug/l		58
77) Bromobenzene	12.976	156	95126	47.058	ug/l		100
78) n-propylbenzene	13.029	91	498392	52.403	ug/l		100
79) 2-Chlorotoluene	13.123	91	299107	49.970	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	347857	52.709	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	50627	56.215	ug/l		89
82) 4-Chlorotoluene	13.217	91	299712	49.717	ug/l		100
83) tert-Butylbenzene	13.435	119	294653	51.541	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	354037	53.875	ug/l		100
85) sec-Butylbenzene	13.611	105	424353	53.476	ug/l		100
86) p-Isopropyltoluene	13.723	119	349527	54.703	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	179301	48.928	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	177873	47.250	ug/l		100
89) n-Butylbenzene	14.053	91	309010	53.178	ug/l		100
90) Hexachloroethane	14.329	117	67607	51.976	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	171657	49.173	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.711	75	22952	49.627	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	86363	49.570	ug/l		100
94) Hexachlorobutadiene	15.494	225	38529	44.509	ug/l		100
95) Naphthalene	15.635	128	286887	48.560	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	84633	48.618	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Dec 28 00:05:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

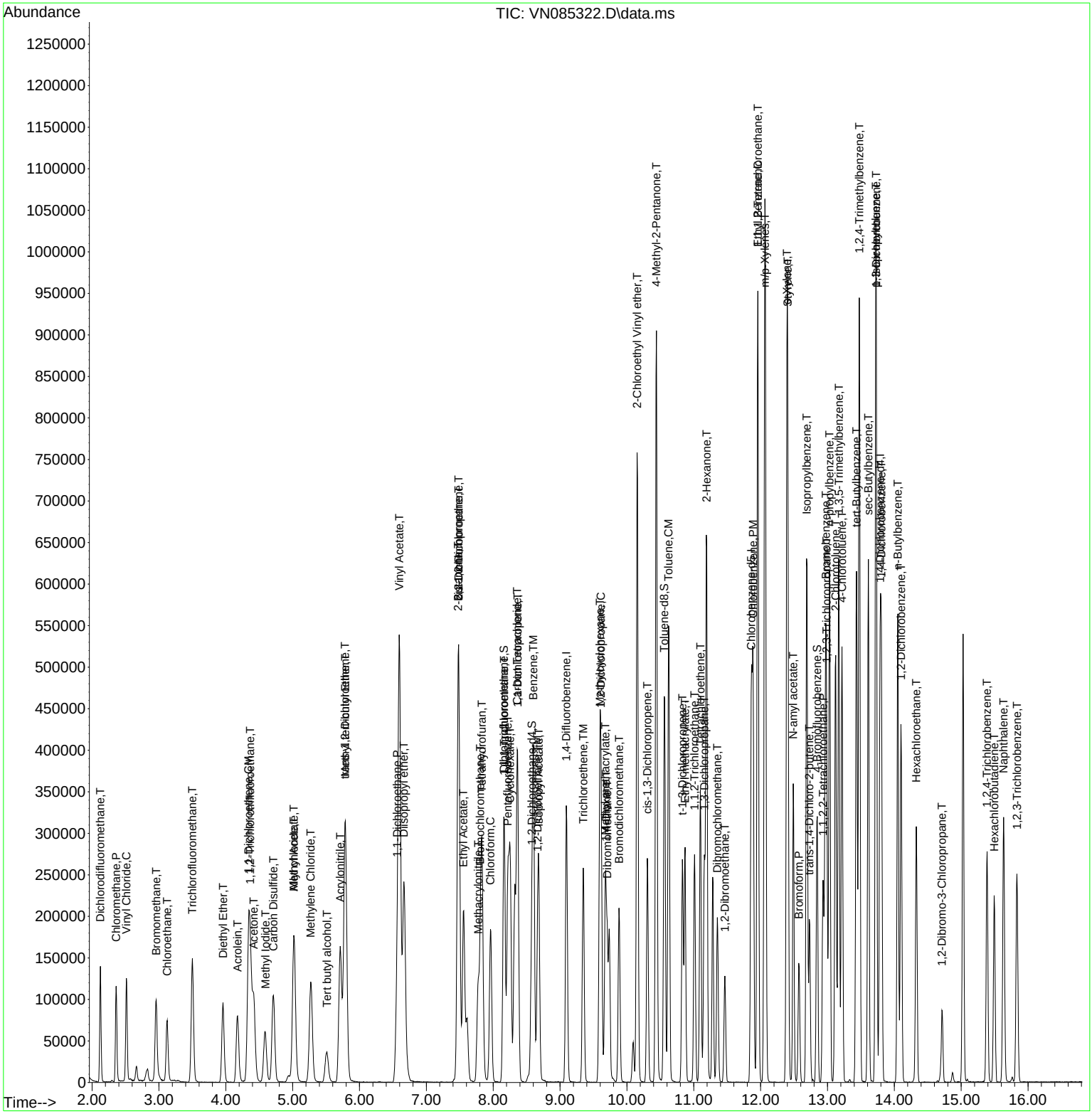
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

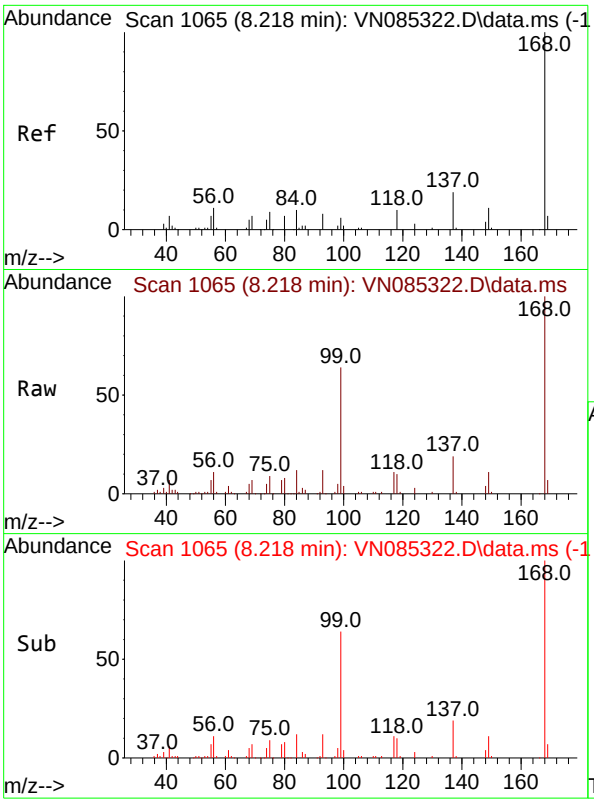
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Dec 28 00:05:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



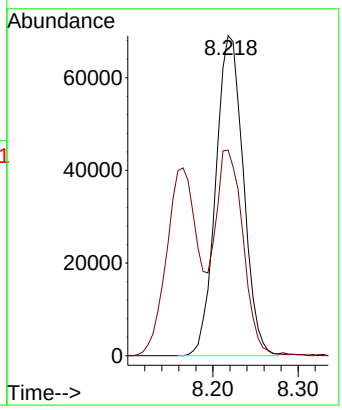


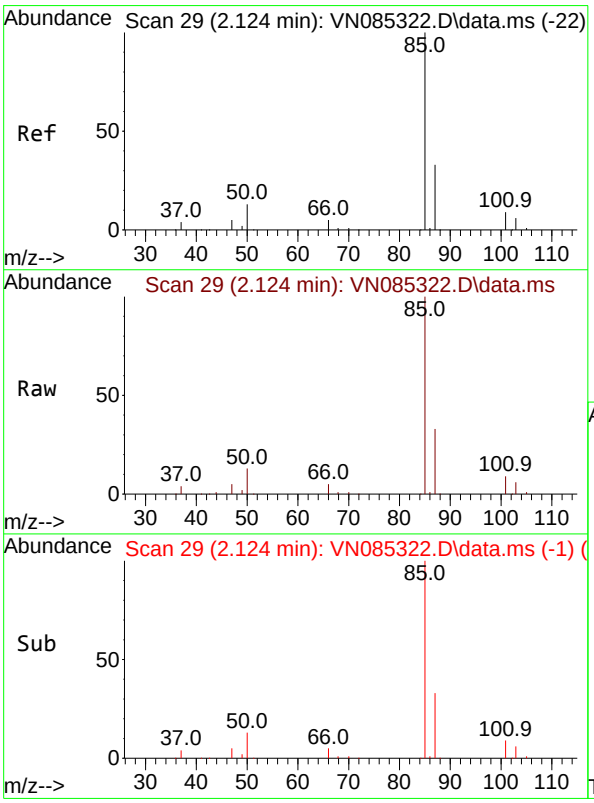
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 155532

Ion	Ratio	Lower	Upper
168	100		
99	63.7	51.0	76.4

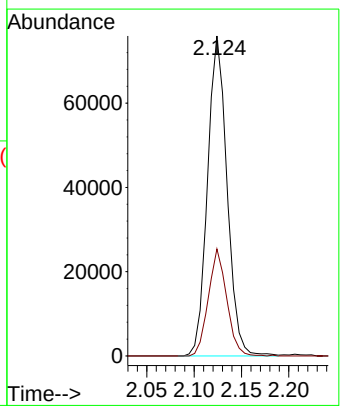


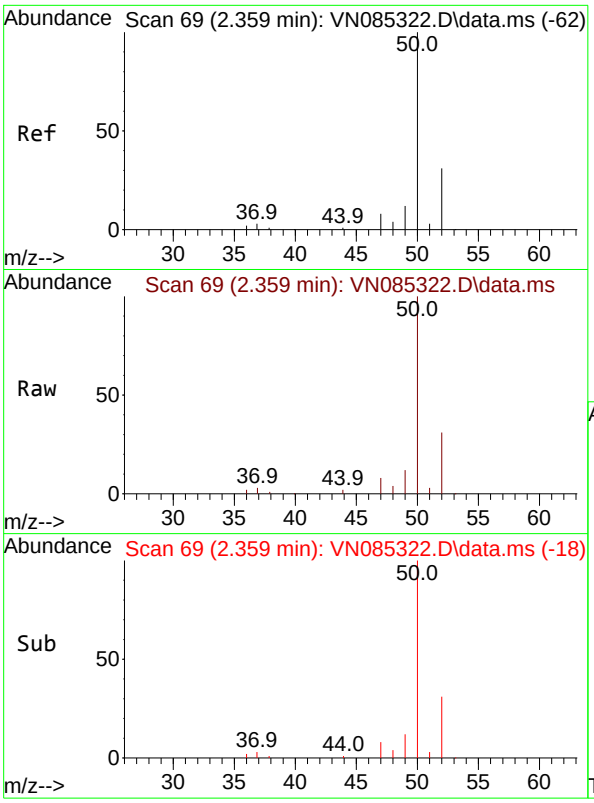


#2
Dichlorodifluoromethane
Concen: 51.698 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 85 Resp: 108746

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.8	50.3



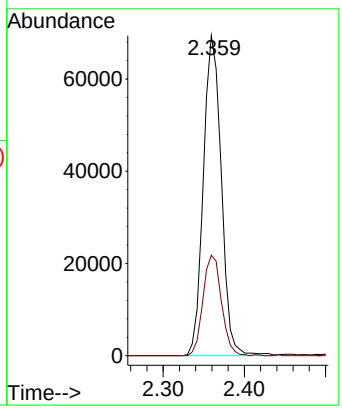


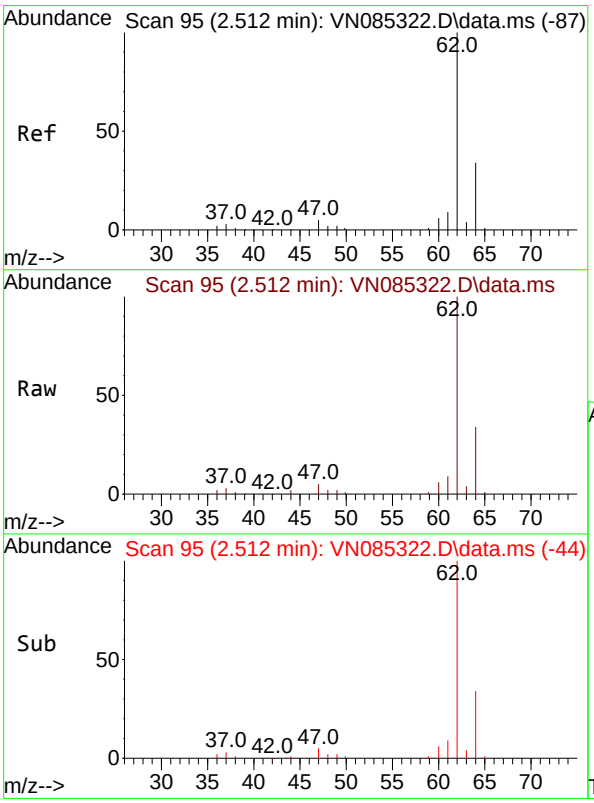
#3
Chloromethane
Concen: 45.115 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 106659

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.1	37.7

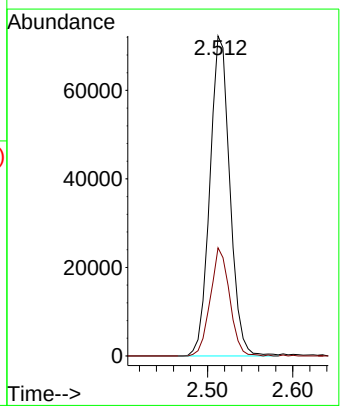


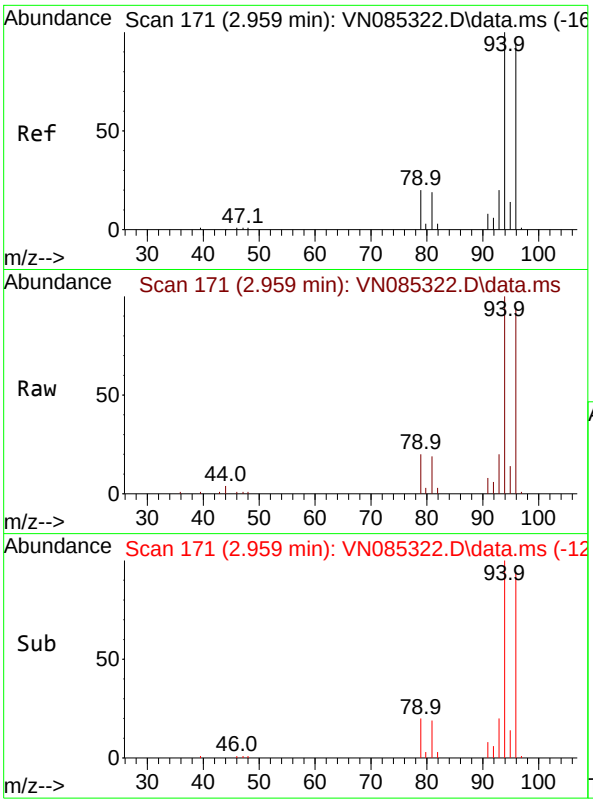


#4
Vinyl Chloride
Concen: 47.149 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 62 Resp: 117884

Ion	Ratio	Lower	Upper
62	100		
64	33.8	27.0	40.6



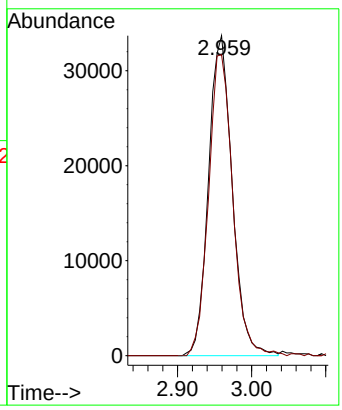


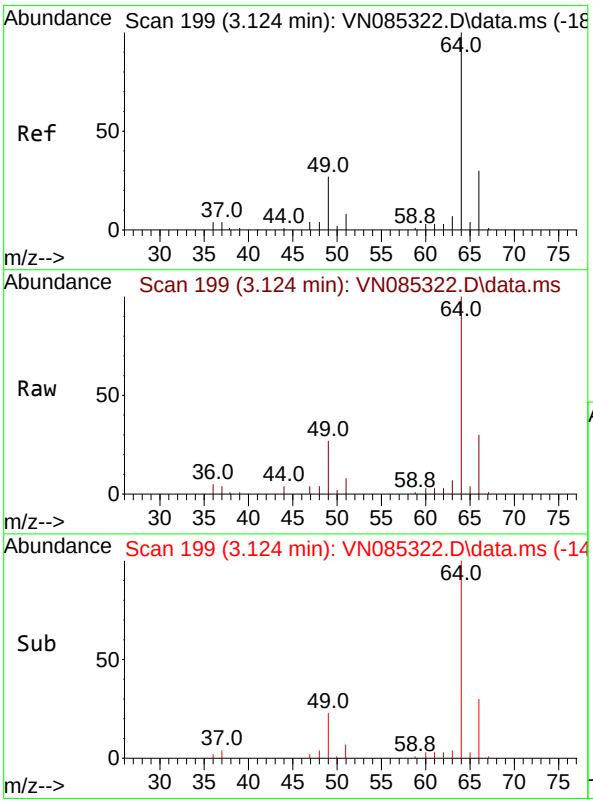
#5
Bromomethane
Concen: 45.796 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 74886

Ion	Ratio	Lower	Upper
94	100		
96	94.0	75.2	112.8

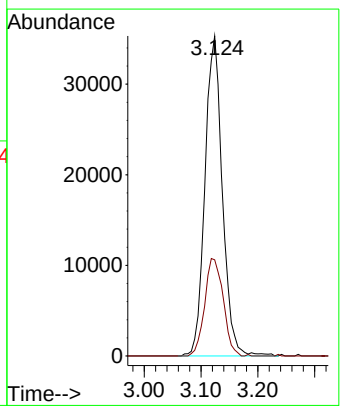


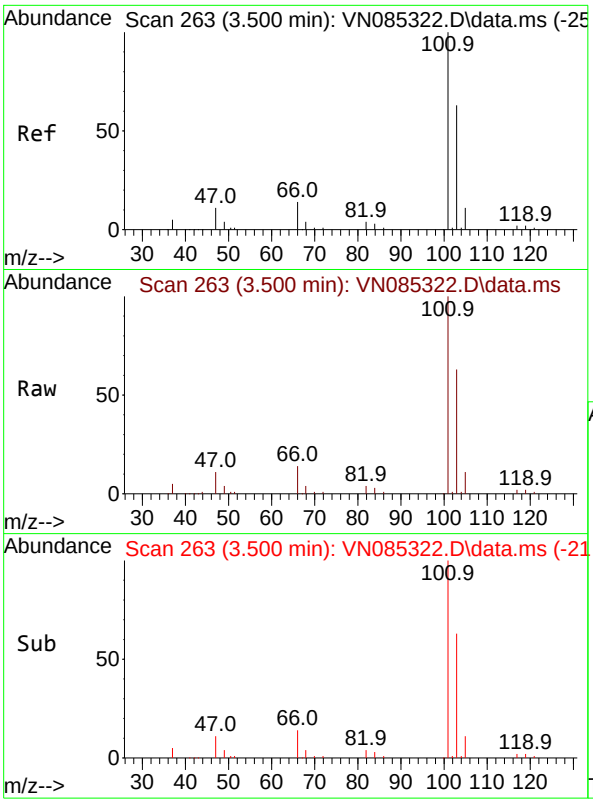


#6
Chloroethane
Concen: 47.272 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 64 Resp: 74955

Ion	Ratio	Lower	Upper
64	100		
66	30.1	24.1	36.1



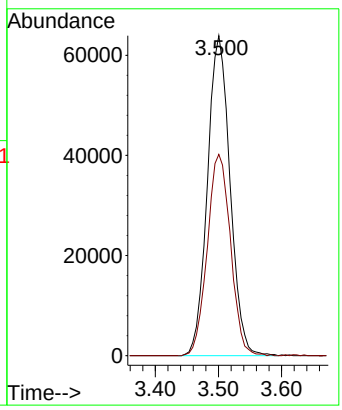


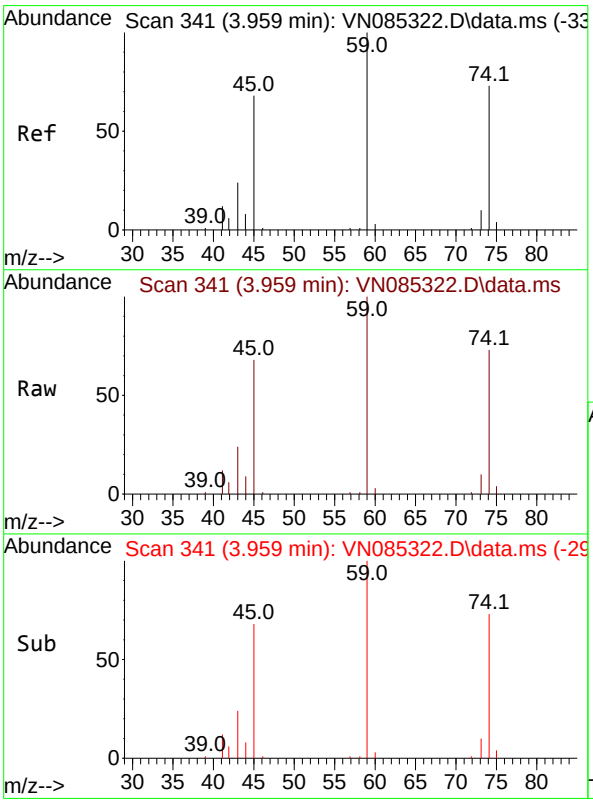
#7
Trichlorofluoromethane
Concen: 48.340 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 158878

Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.3	75.5

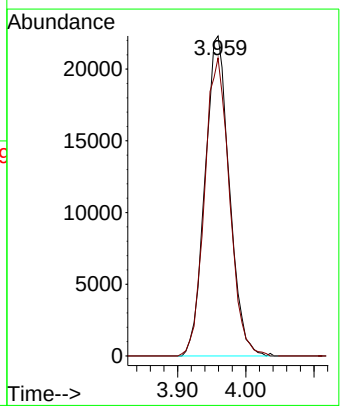


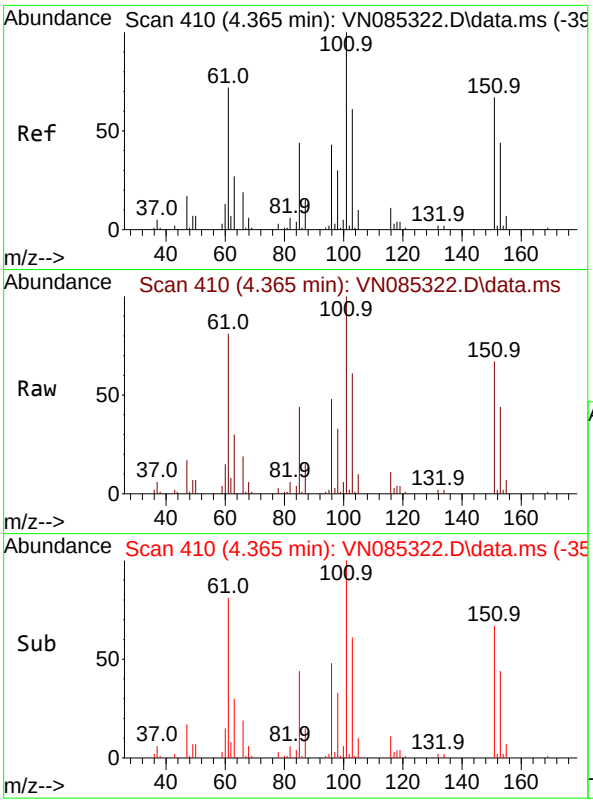


#8
Diethyl Ether
Concen: 51.048 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 74 Resp: 55553

Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.5	142.6



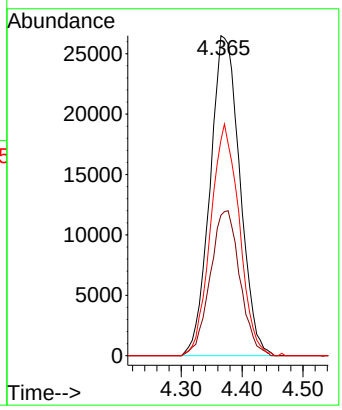


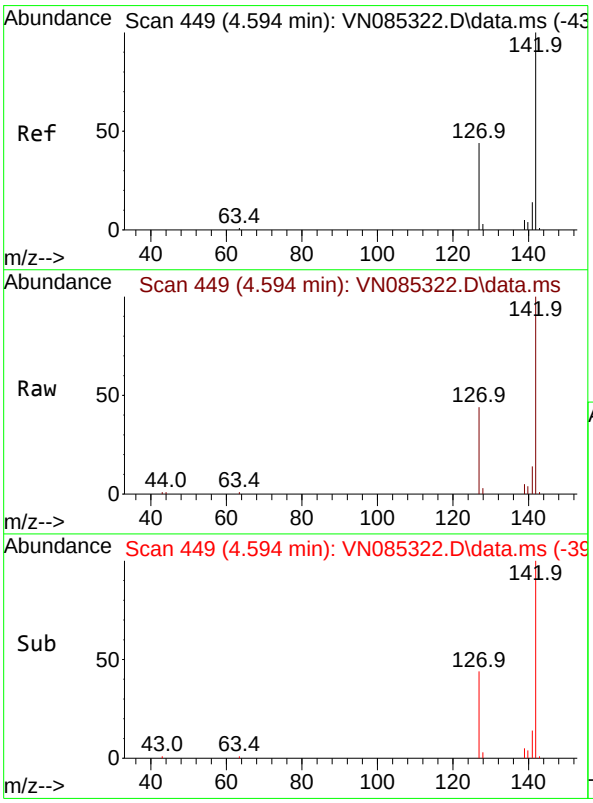
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.059 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 89878

Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	69.7	55.8	83.6

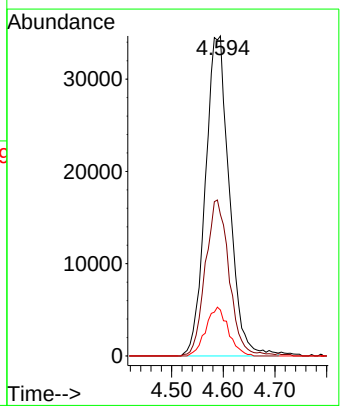


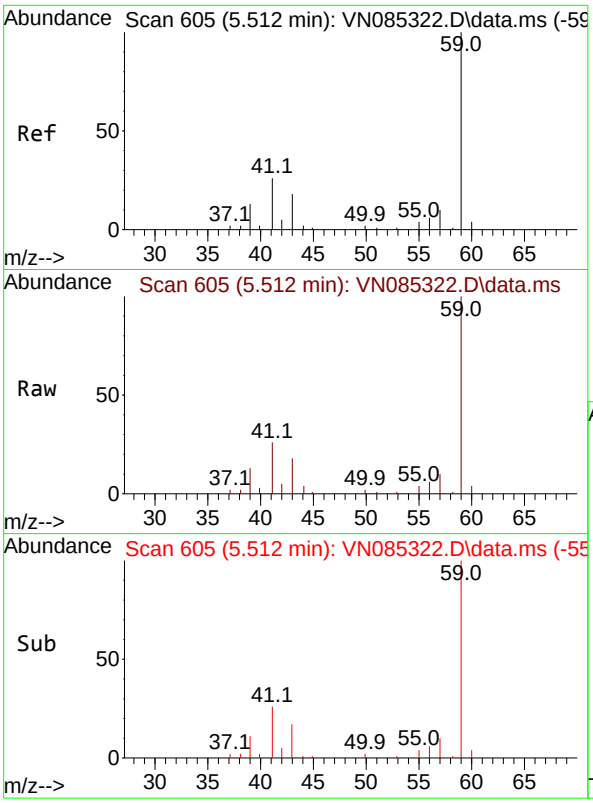


#10
Methyl Iodide
Concen: 51.423 ug/l
RT: 4.594 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:142 Resp: 111290

Ion	Ratio	Lower	Upper
142	100		
127	44.1	35.3	52.9
141	14.4	11.5	17.3



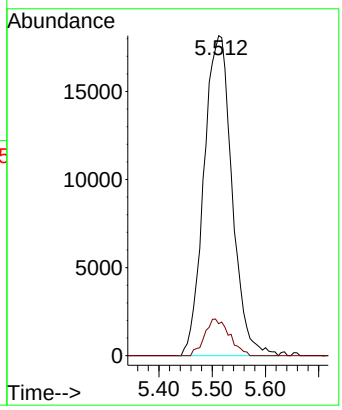


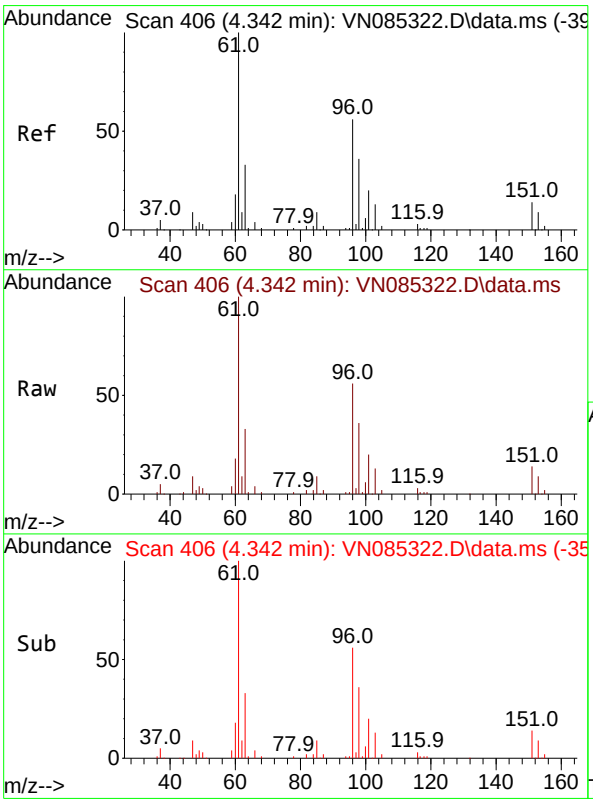
#11
Tert butyl alcohol
Concen: 239.459 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 66517

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

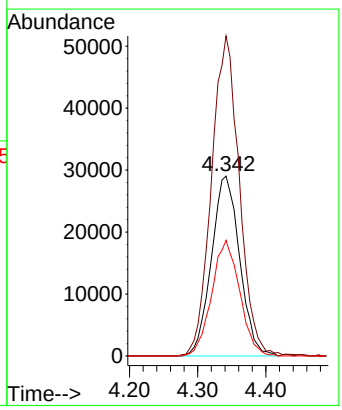


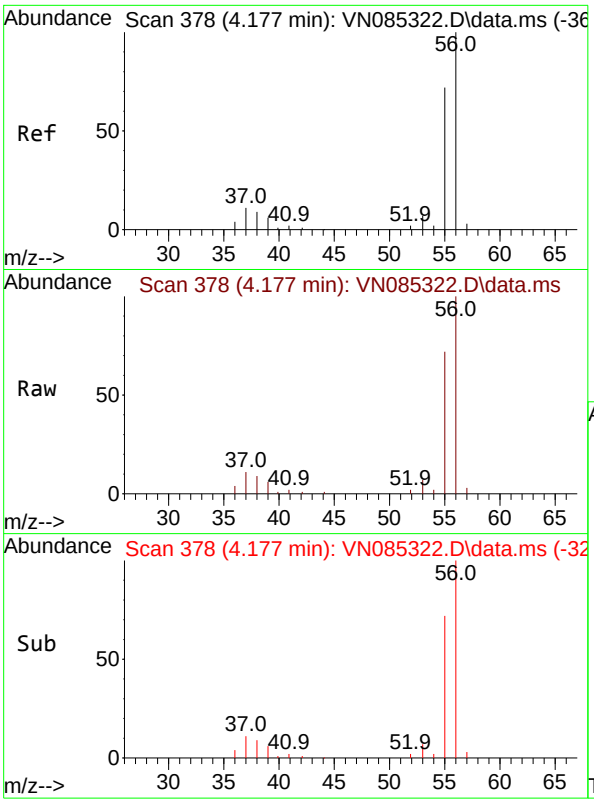


#12
1,1-Dichloroethene
Concen: 48.422 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 96 Resp: 83691

Ion	Ratio	Lower	Upper
96	100		
61	178.0	142.4	213.6
98	64.4	51.5	77.3



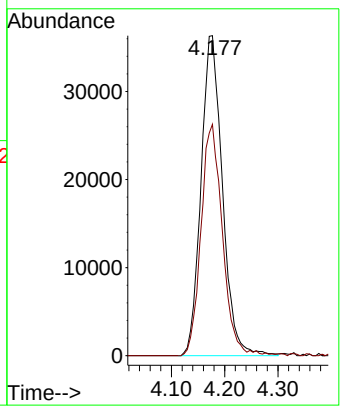


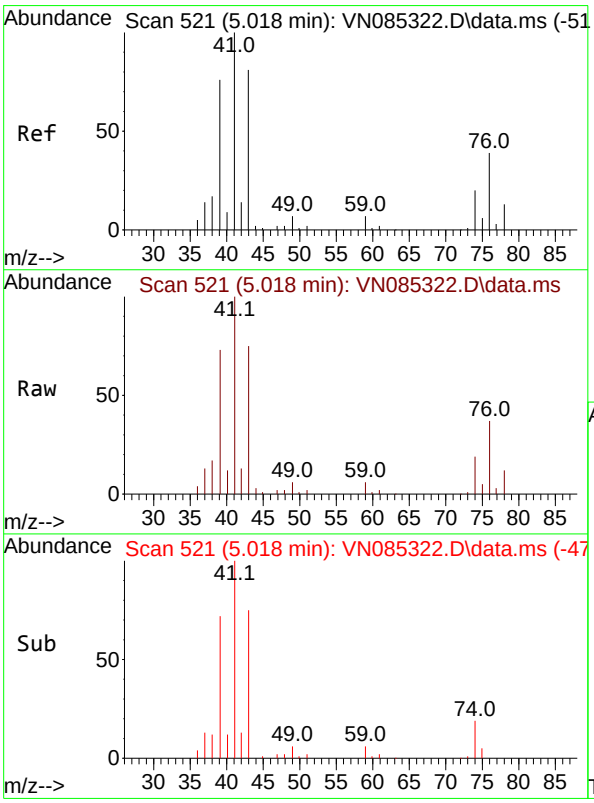
#13
Acrolein
Concen: 234.253 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 101450

Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.5	86.3

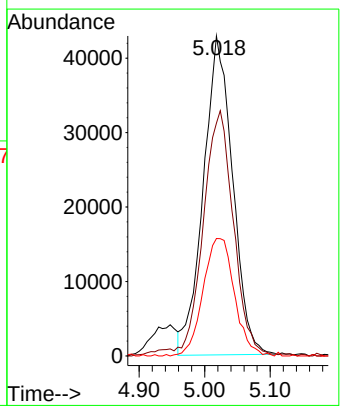


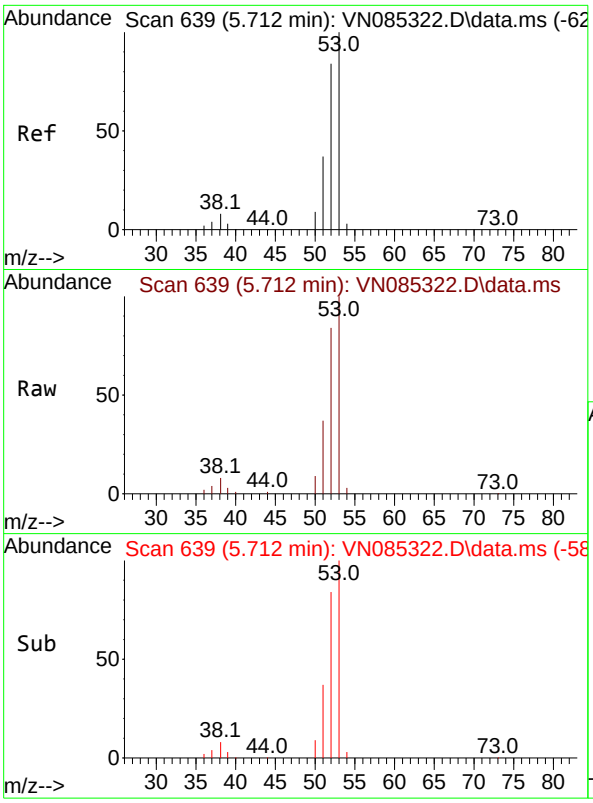


#14
Allyl chloride
Concen: 48.082 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 41 Resp: 133004

Ion	Ratio	Lower	Upper
41	100		
39	80.5	64.4	96.6
76	39.4	31.5	47.3



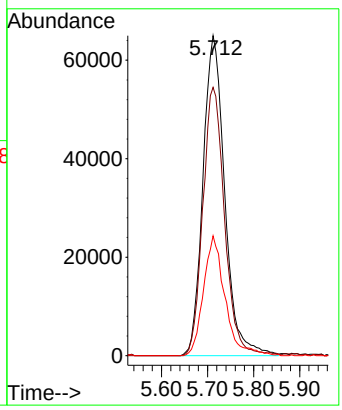


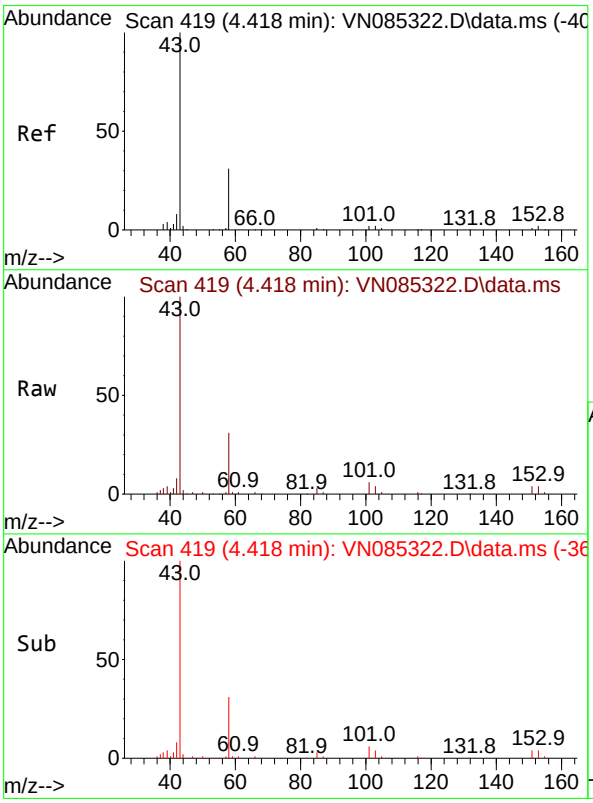
#15
Acrylonitrile
Concen: 244.575 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 213836

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.0	29.6	44.4

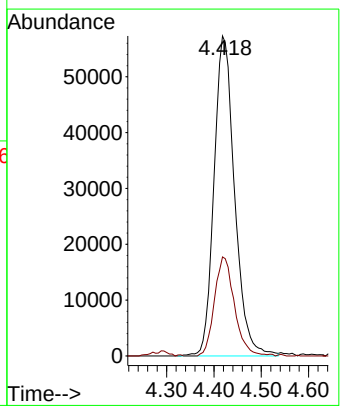


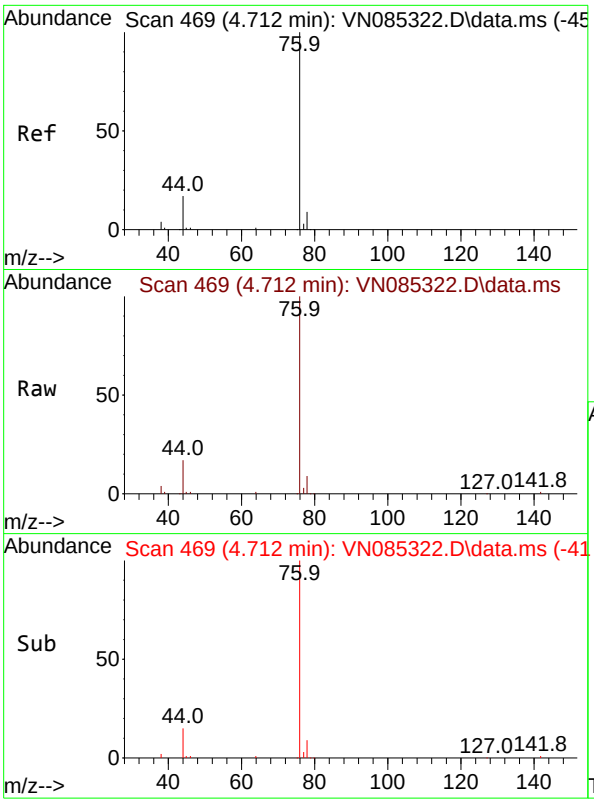


#16
Acetone
Concen: 237.550 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 173280

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.5	36.7



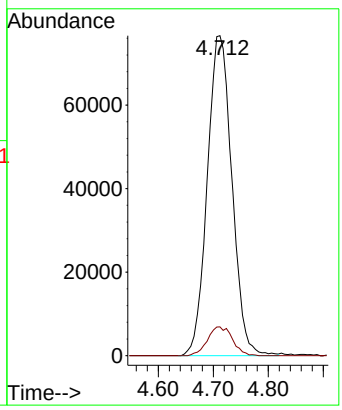


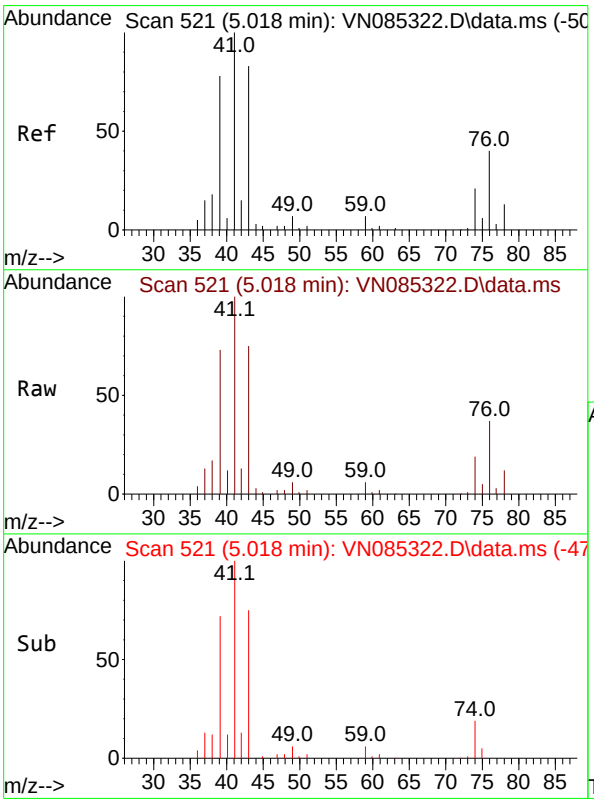
#17
Carbon Disulfide
Concen: 45.421 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 238824

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

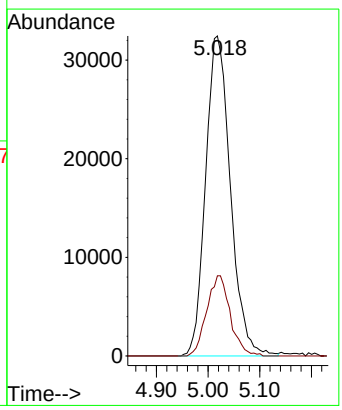


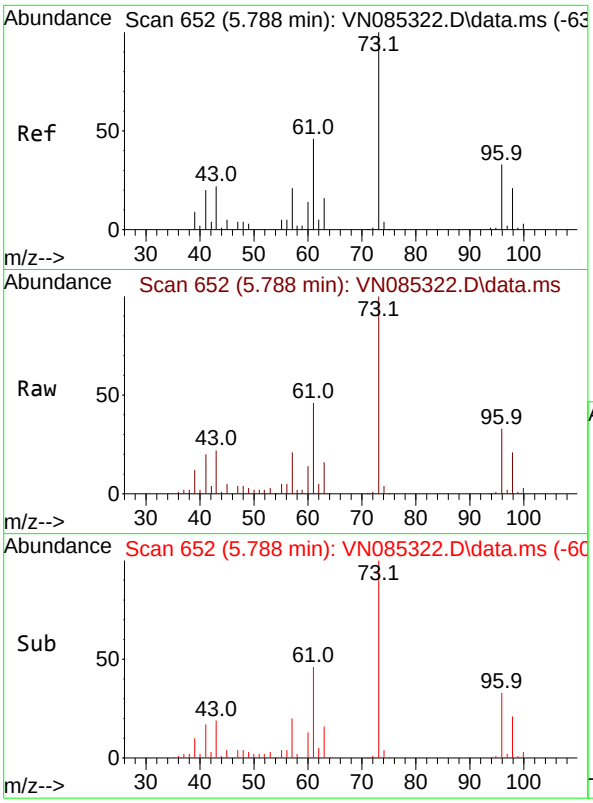


#18
Methyl Acetate
Concen: 48.449 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 108199

Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.6



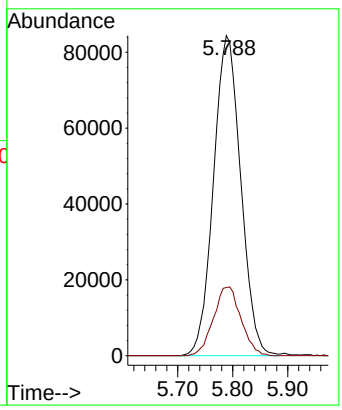


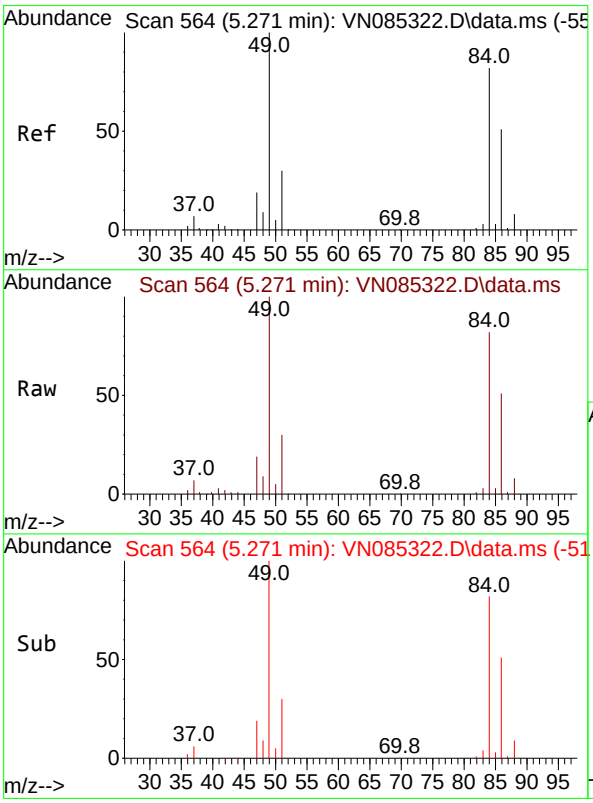
#19
Methyl tert-butyl Ether
Concen: 51.737 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 290643

Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

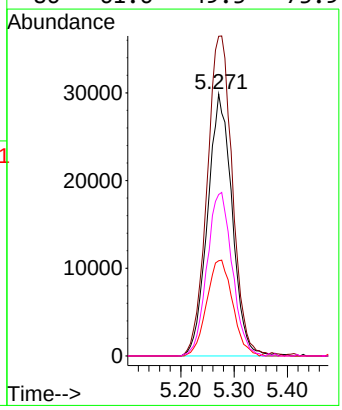


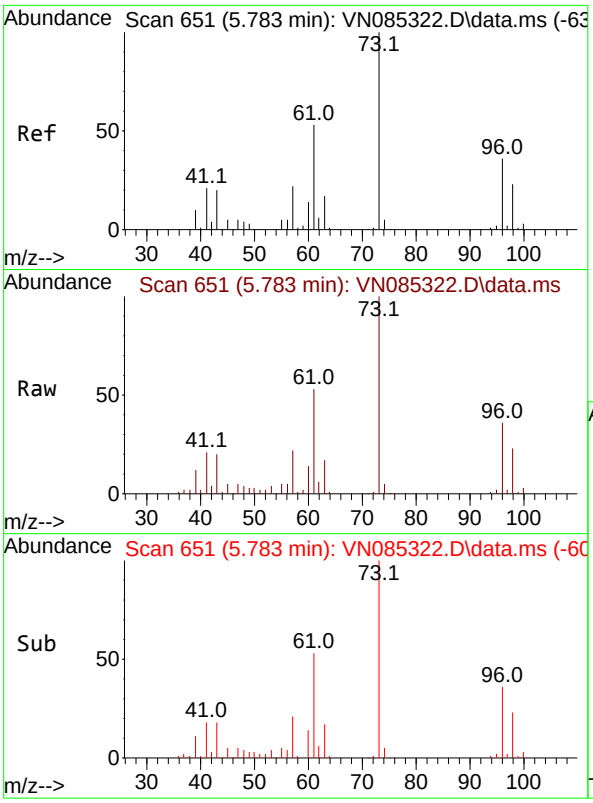


#20
Methylene Chloride
Concen: 48.601 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 84 Resp: 95357

Ion	Ratio	Lower	Upper
84	100		
49	122.0	97.6	146.4
51	36.4	29.1	43.7
86	61.6	49.3	73.9



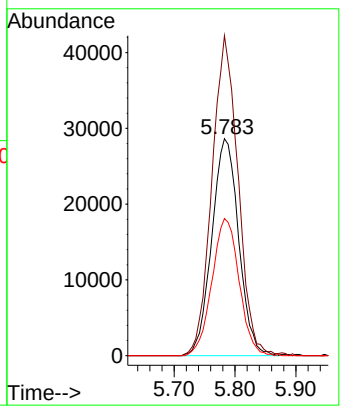


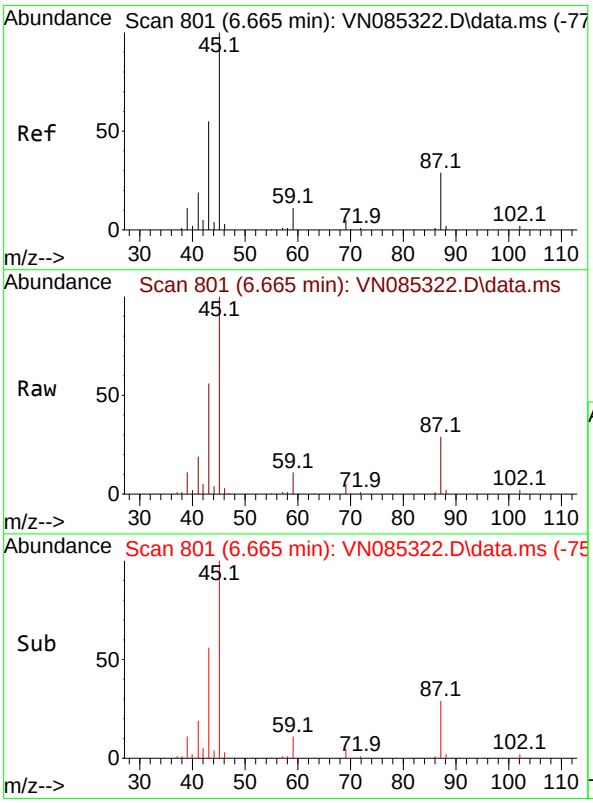
#21
trans-1,2-Dichloroethene
Concen: 48.686 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 87901

Ion	Ratio	Lower	Upper
96	100		
61	147.5	118.0	177.0
98	63.2	50.6	75.8

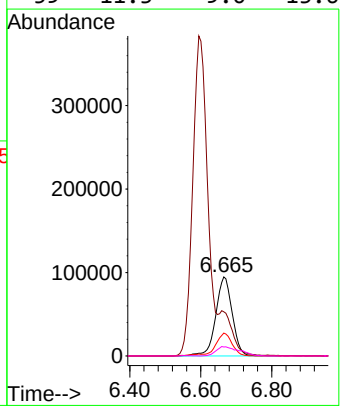


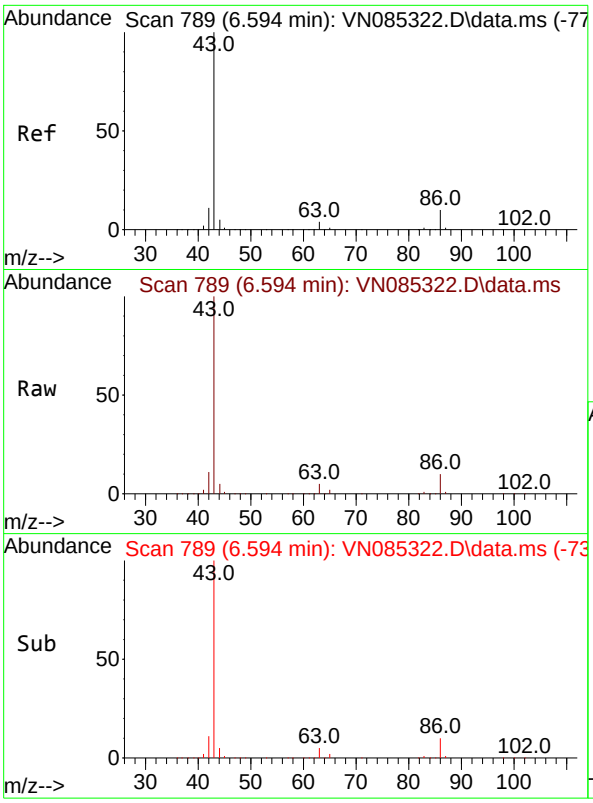


#22
Diisopropyl ether
Concen: 50.788 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 45 Resp: 302742

Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.1	66.1
87	29.0	23.2	34.8
59	11.3	9.0	13.6



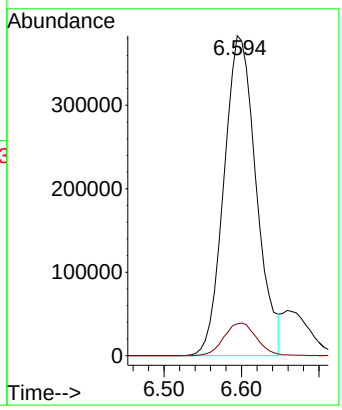


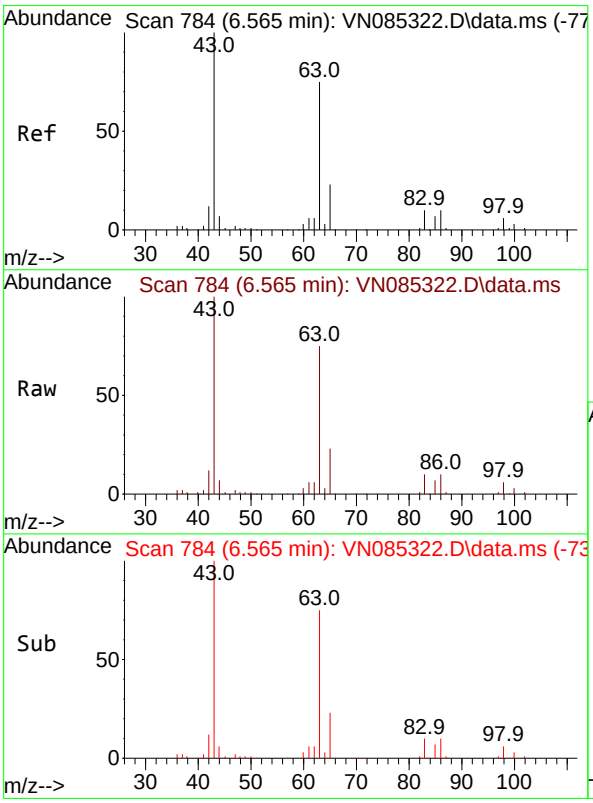
#23
Vinyl Acetate
Concen: 246.277 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1110592

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0

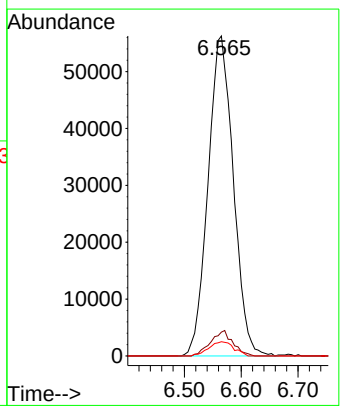


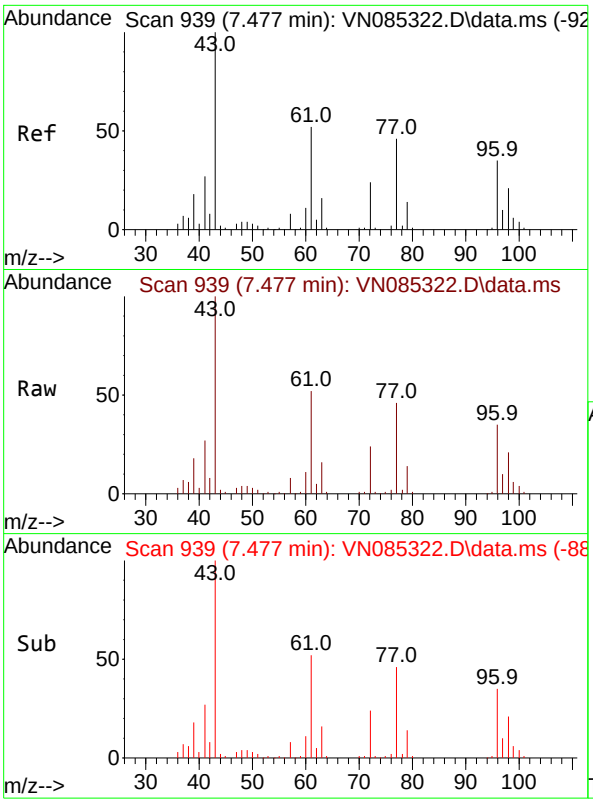


#24
1,1-Dichloroethane
Concen: 48.458 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 63 Resp: 173999

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.7	11.1
100	4.5	2.3	6.8



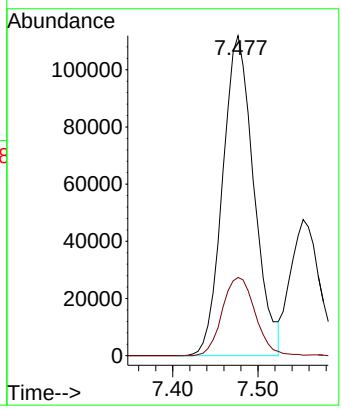


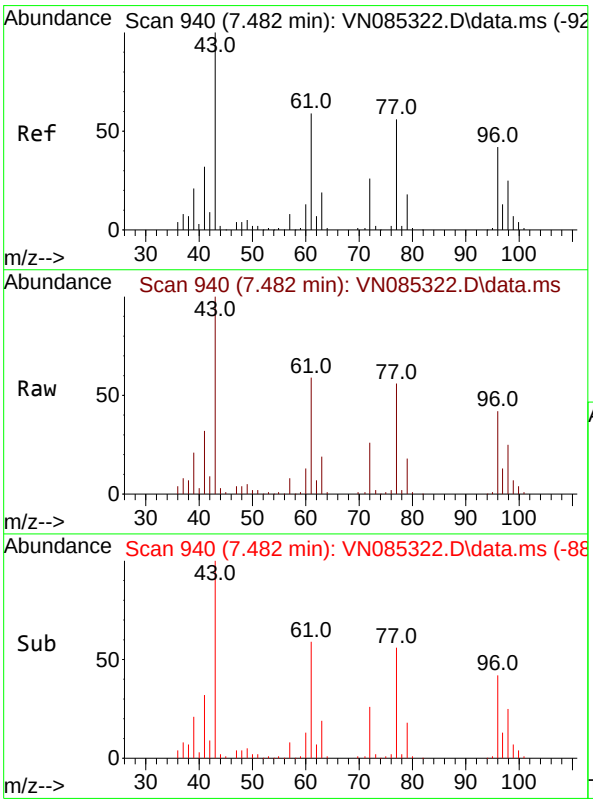
#25
2-Butanone
Concen: 252.198 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 285403

Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.6	29.4

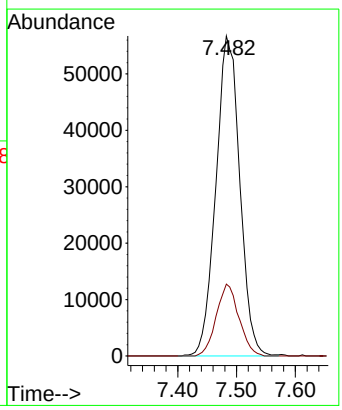


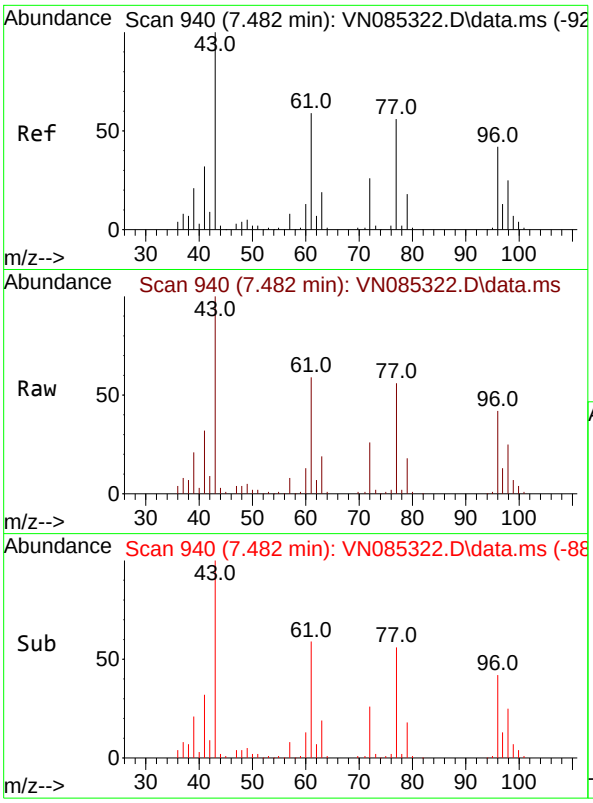


#26
2,2-Dichloropropane
Concen: 50.897 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 77 Resp: 160118

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.6	31.8



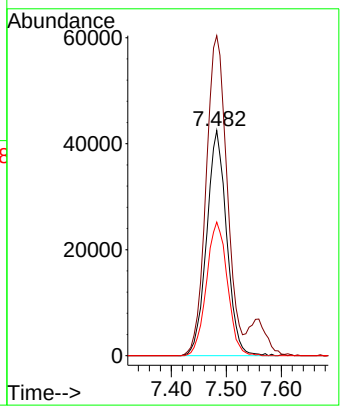


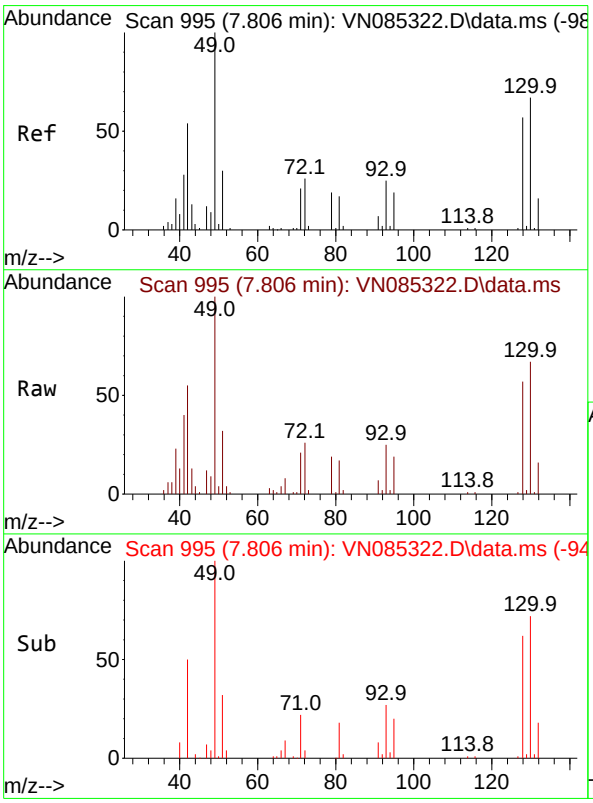
#27
cis-1,2-Dichloroethene
Concen: 50.718 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 107476

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	296.4
98	62.1	0.0	124.2

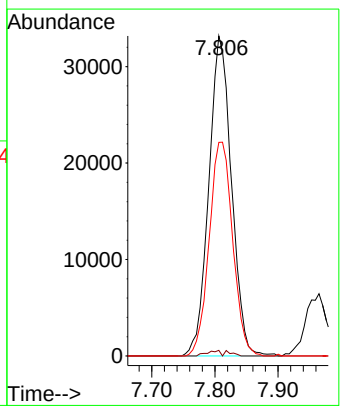


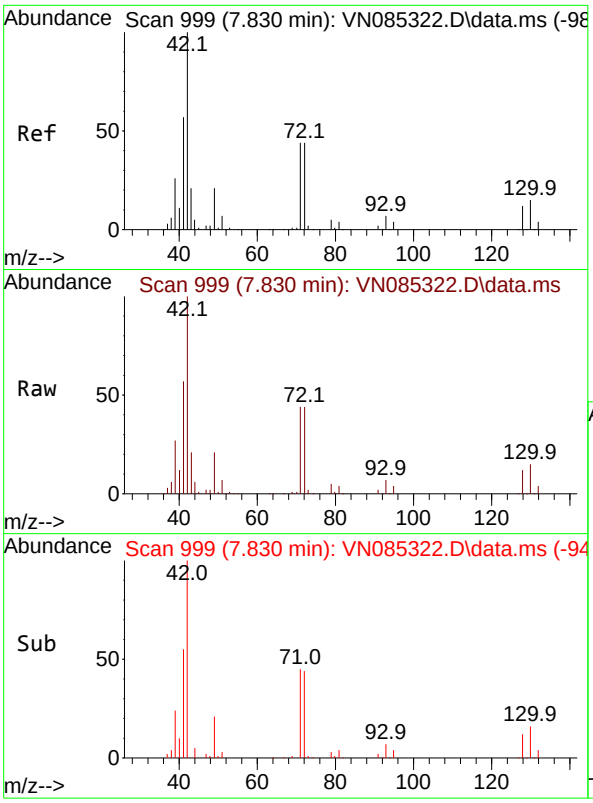


#28
Bromochloromethane
Concen: 49.616 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 49 Resp: 82793

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	0.0	0.0	0.0



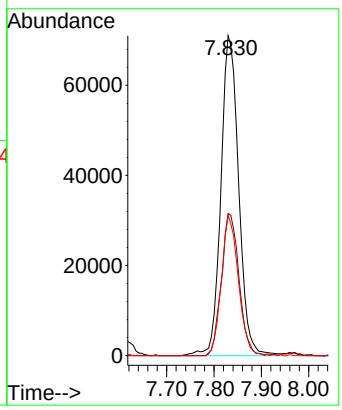


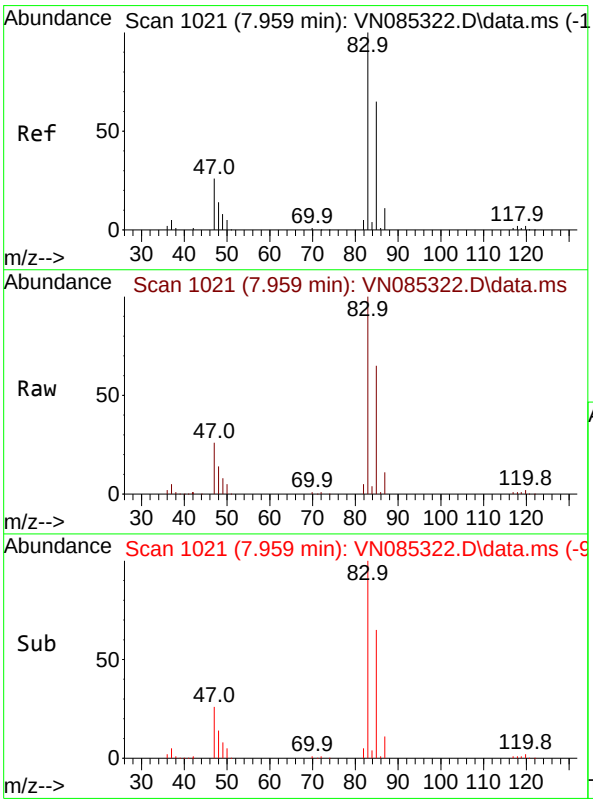
#29
Tetrahydrofuran
Concen: 254.548 ug/l
RT: 7.830 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 185555

Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.1	52.7
71	41.7	33.4	50.0

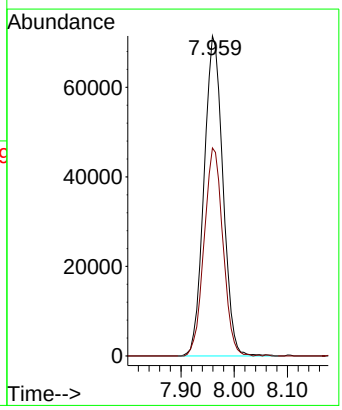


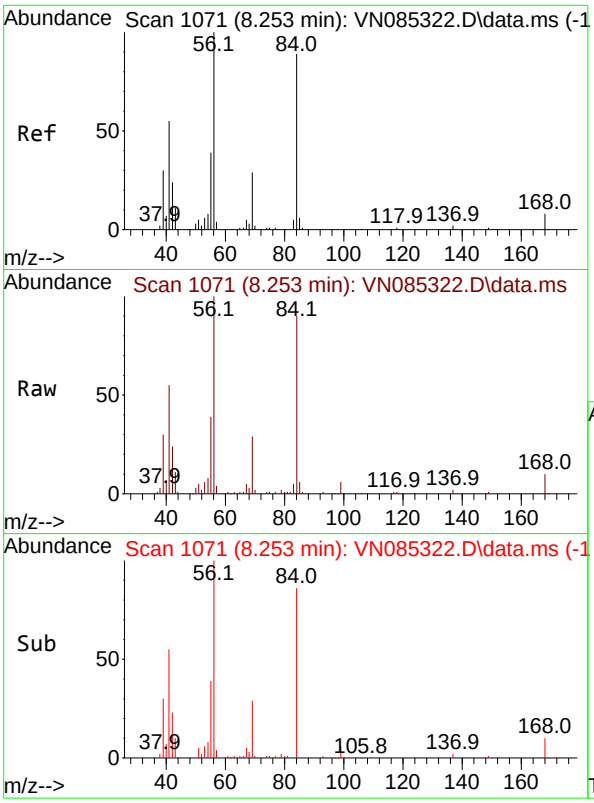


#30
Chloroform
Concen: 47.991 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 83 Resp: 176294

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0



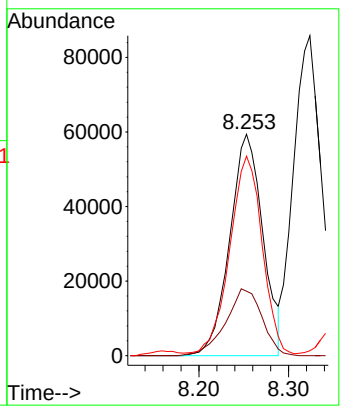


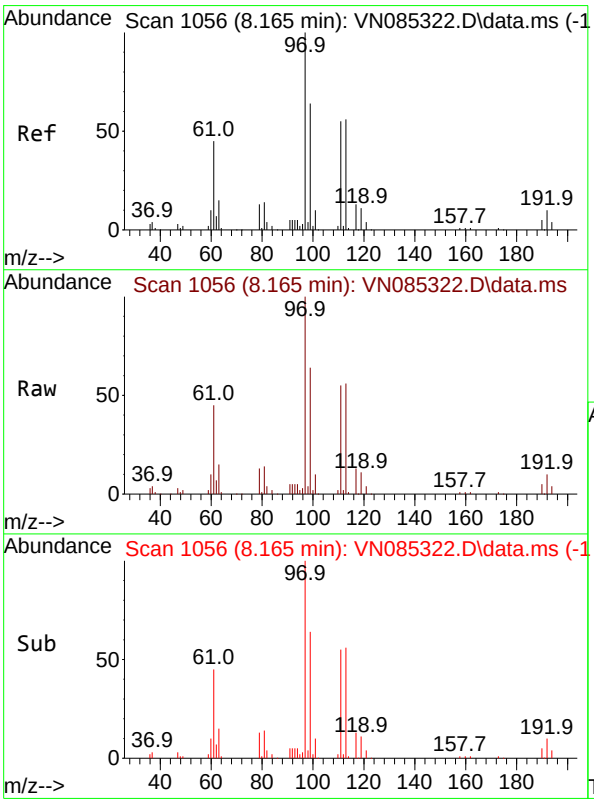
#31
Cyclohexane
Concen: 46.455 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 152319

Ion	Ratio	Lower	Upper
56	100		
69	29.2	23.4	35.0
84	88.8	71.0	106.6

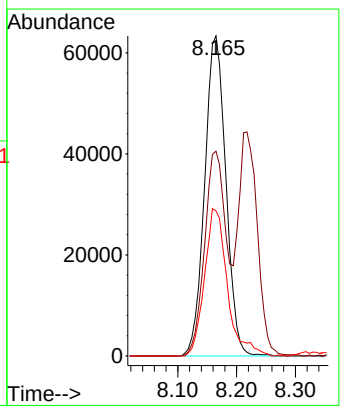


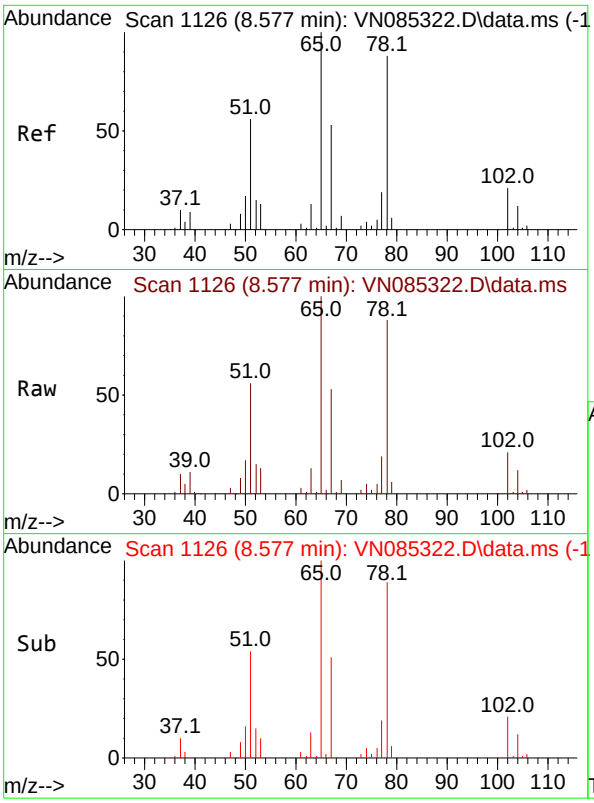


#32
1,1,1-Trichloroethane
Concen: 48.441 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 97 Resp: 158921

Ion	Ratio	Lower	Upper
97	100		
99	66.6	53.3	79.9
61	49.5	39.6	59.4



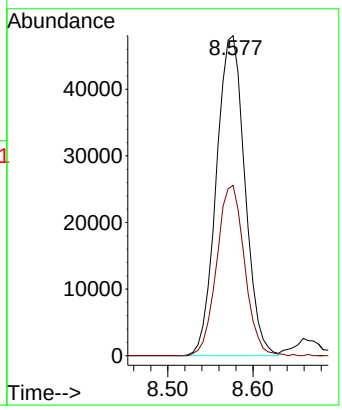


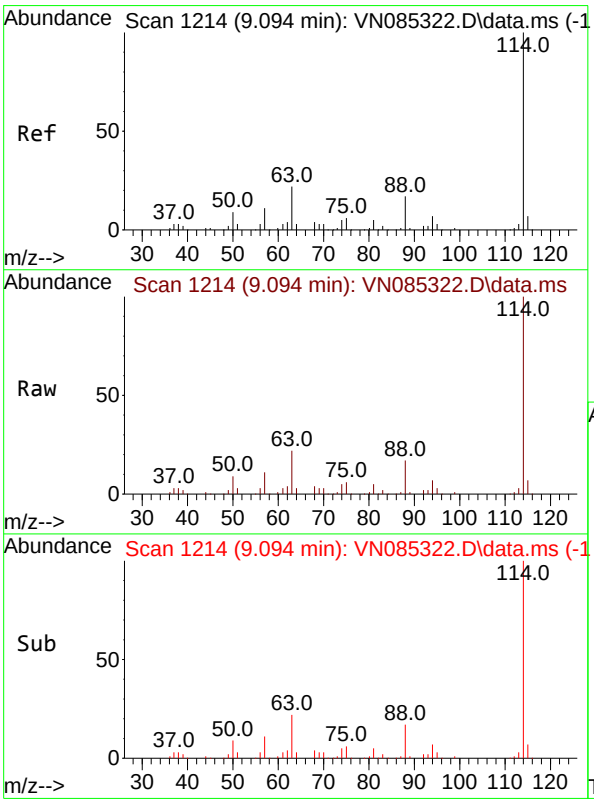
#33
1,2-Dichloroethane-d4
Concen: 50.305 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 111594

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0

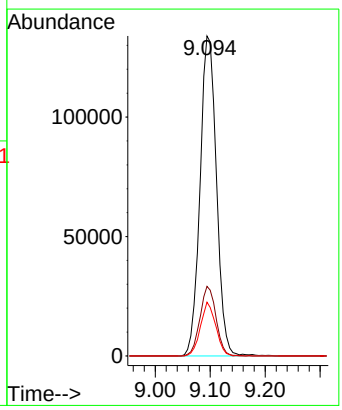


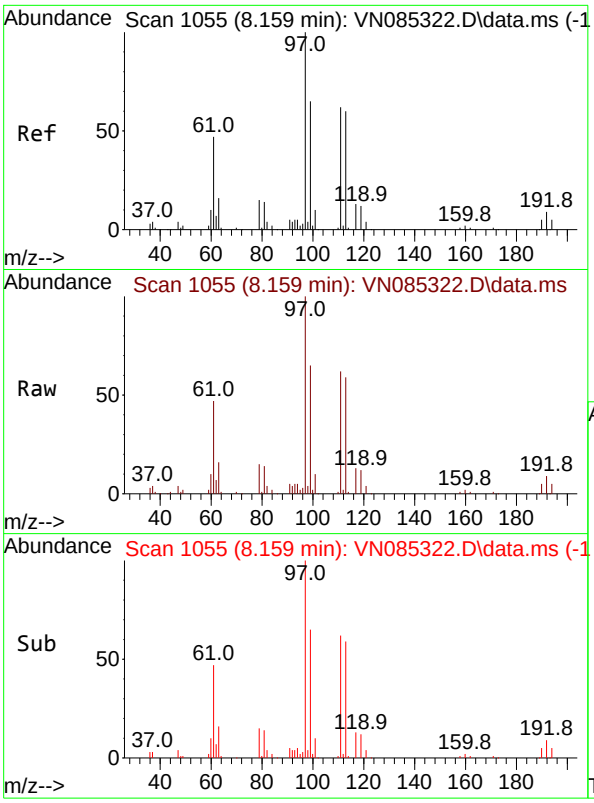


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:114 Resp: 278404

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.8	0.0	33.6



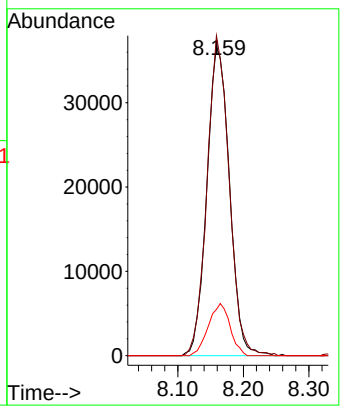


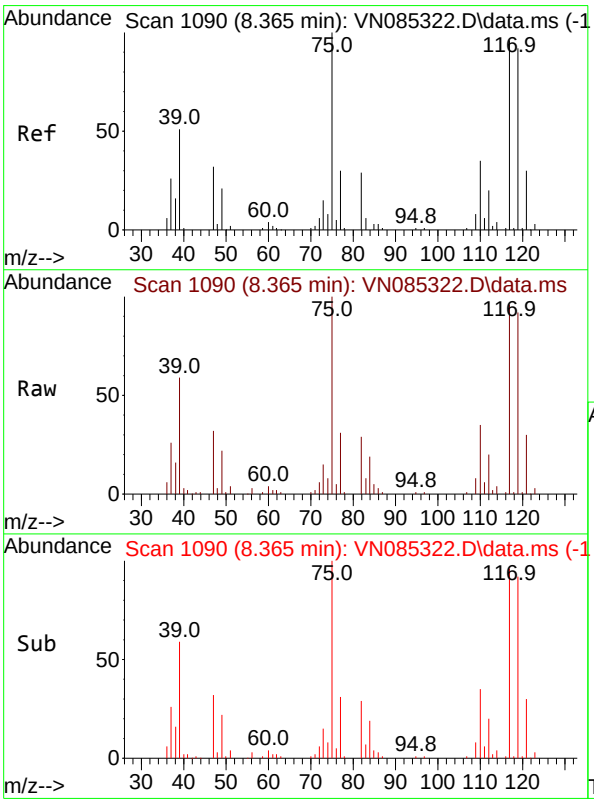
#35
Dibromofluoromethane
Concen: 50.825 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 88275

Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.5	120.7
192	16.1	12.9	19.3

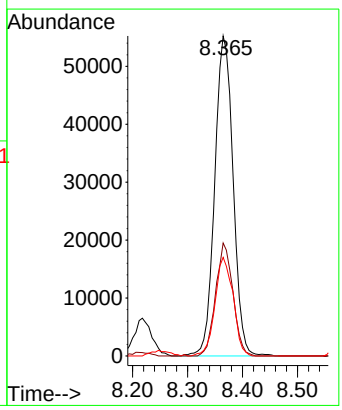


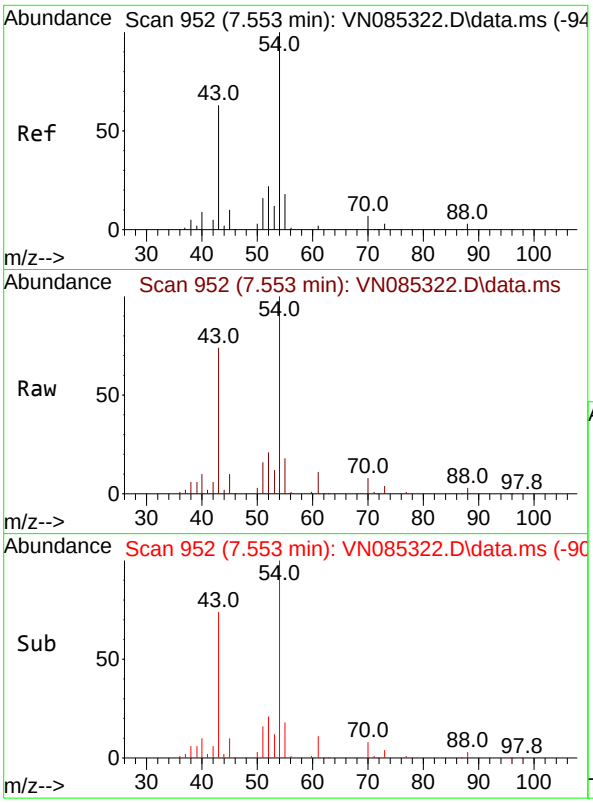


#36
1,1-Dichloropropene
Concen: 50.513 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 128454

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	30.4	24.3	36.5



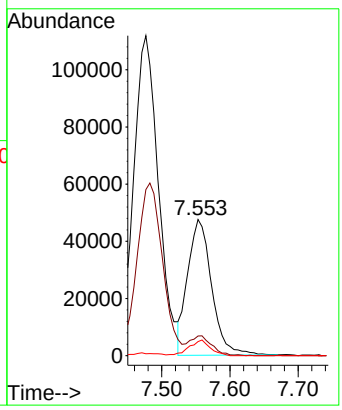


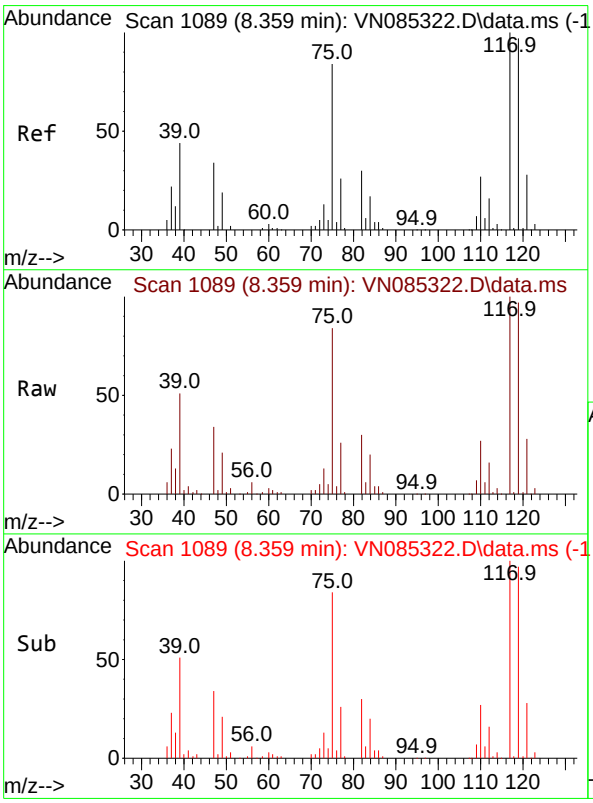
#37
Ethyl Acetate
Concen: 45.842 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 115871

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	10.2	8.2	12.2

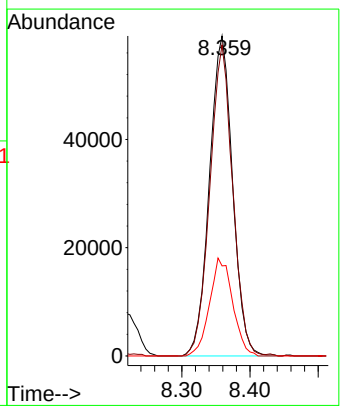


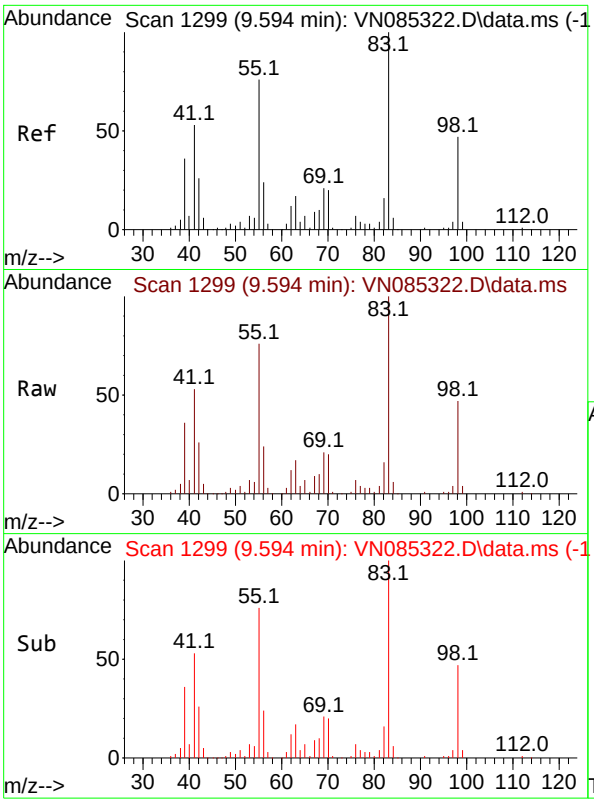


#38
Carbon Tetrachloride
Concen: 50.401 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:117 Resp: 139705

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
121	28.1	22.5	33.7



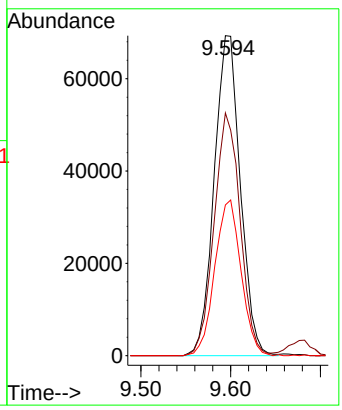


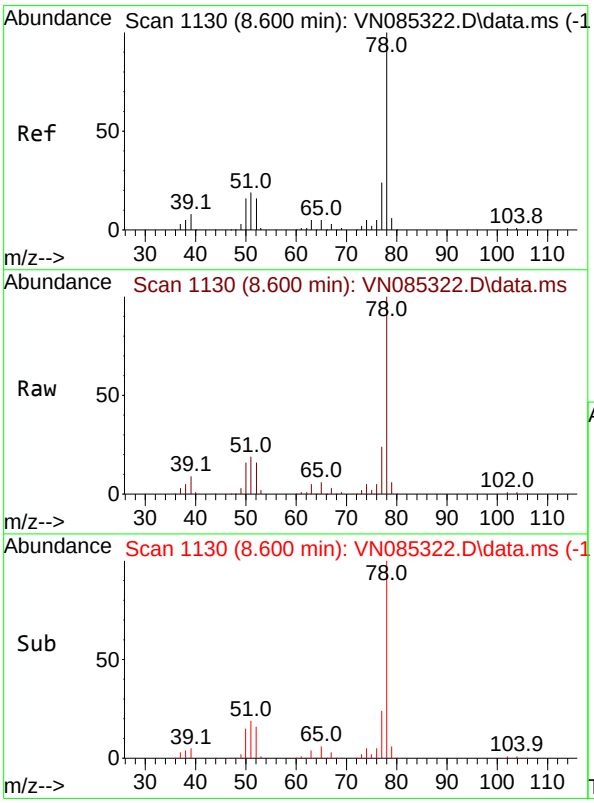
#39
Methylcyclohexane
Concen: 53.172 ug/l
RT: 9.594 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 140293

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.1	37.7	56.5

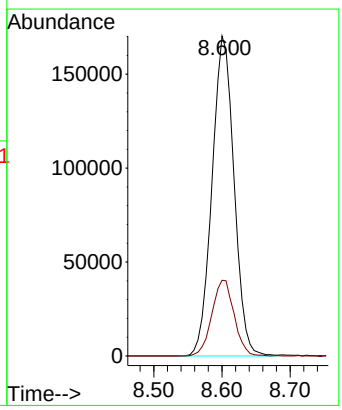


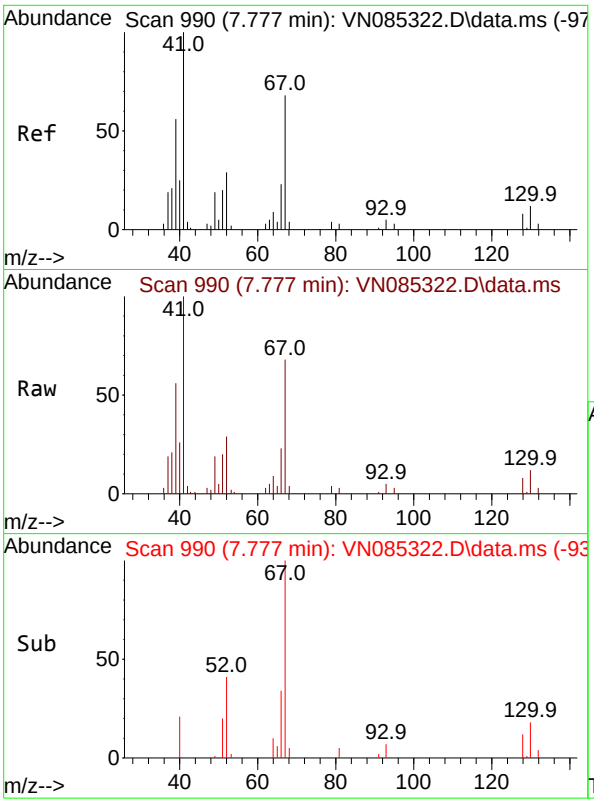


#40
Benzene
Concen: 49.867 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 78 Resp: 383405

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



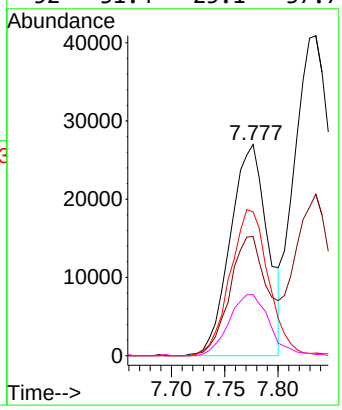


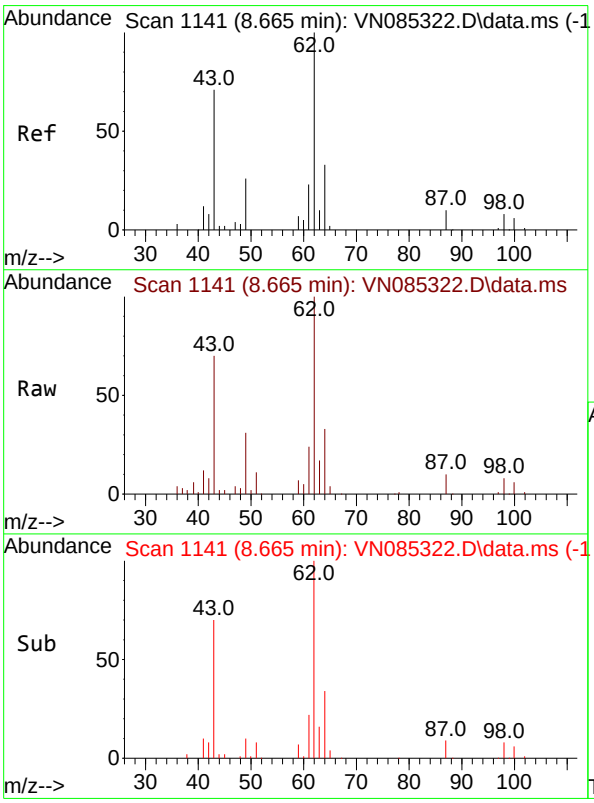
#41
Methacrylonitrile
Concen: 50.764 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 65714

Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.8
67	71.4	57.1	85.7
52	31.4	25.1	37.7

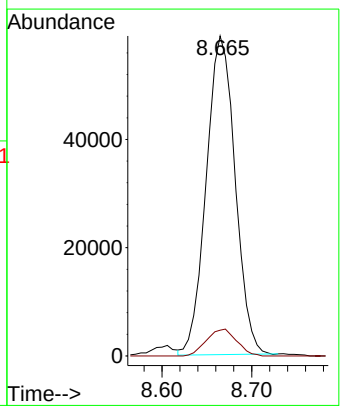


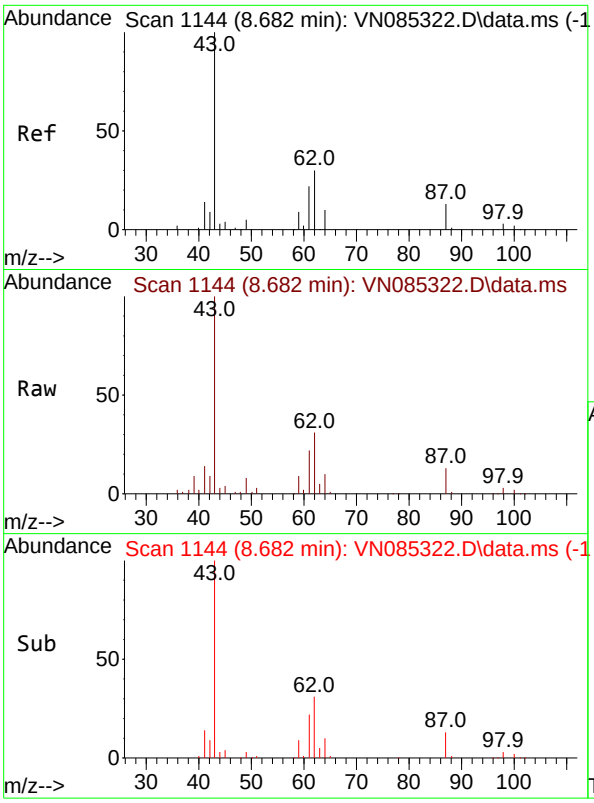


#42
1,2-Dichloroethane
Concen: 47.766 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 62 Resp: 131673

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



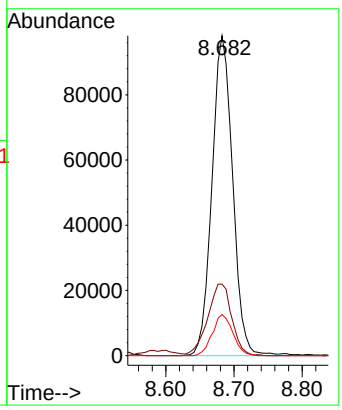


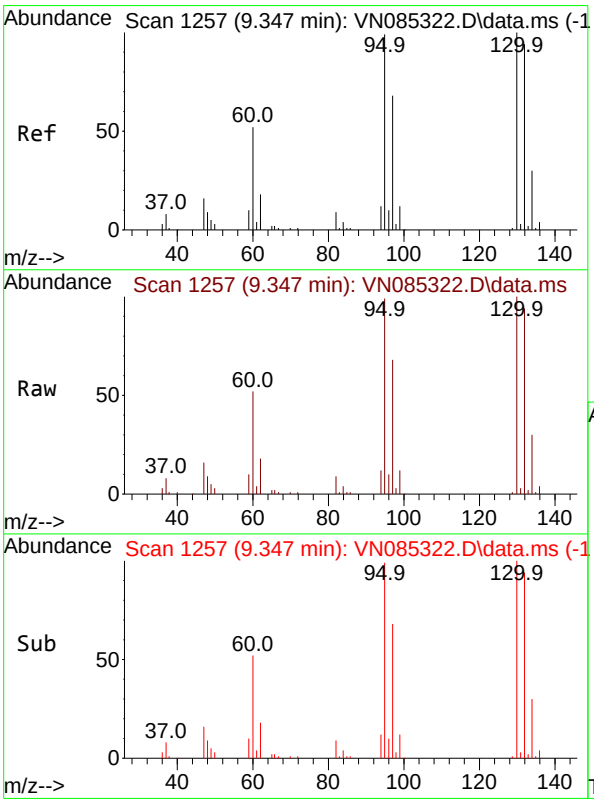
#43
Isopropyl Acetate
Concen: 49.811 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 207309

Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.8	31.2
87	12.8	10.2	15.4

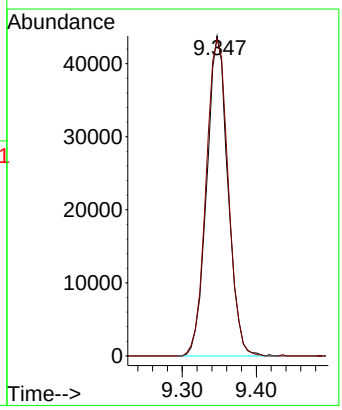


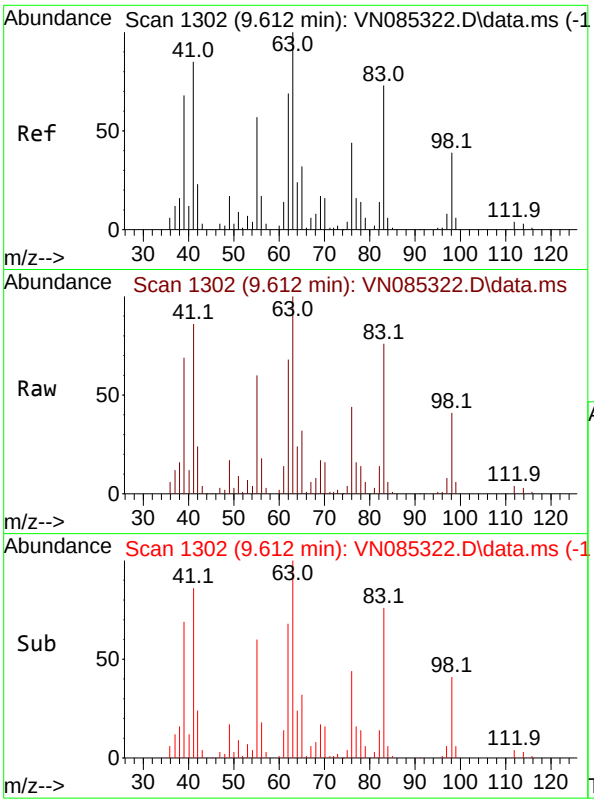


#44
Trichloroethene
Concen: 47.578 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:130 Resp: 86607

Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.8



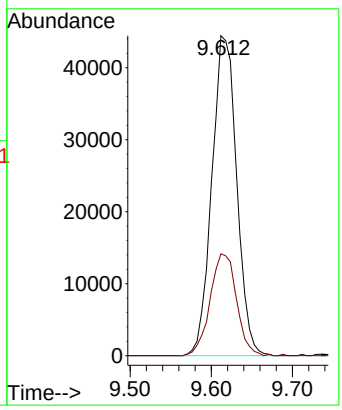


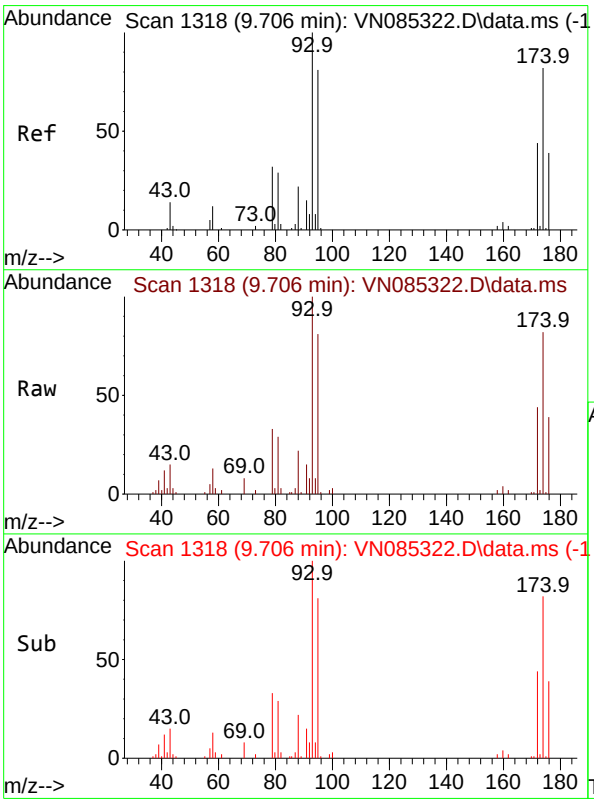
#45
1,2-Dichloropropane
Concen: 48.407 ug/l
RT: 9.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 94480

Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3

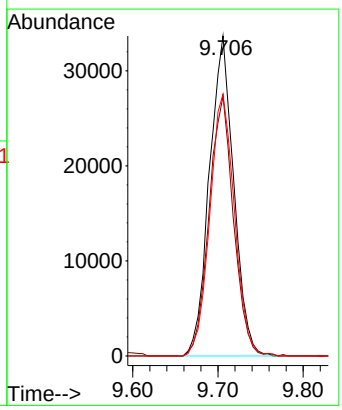


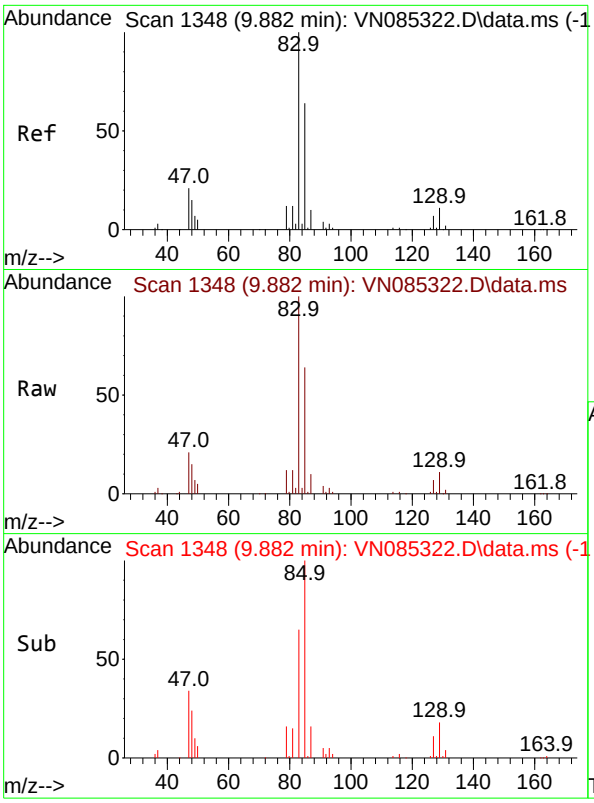


#46
Dibromomethane
Concen: 49.281 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 93 Resp: 66895

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.3	97.9
174	83.0	66.4	99.6



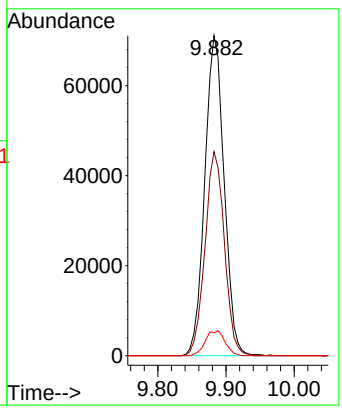


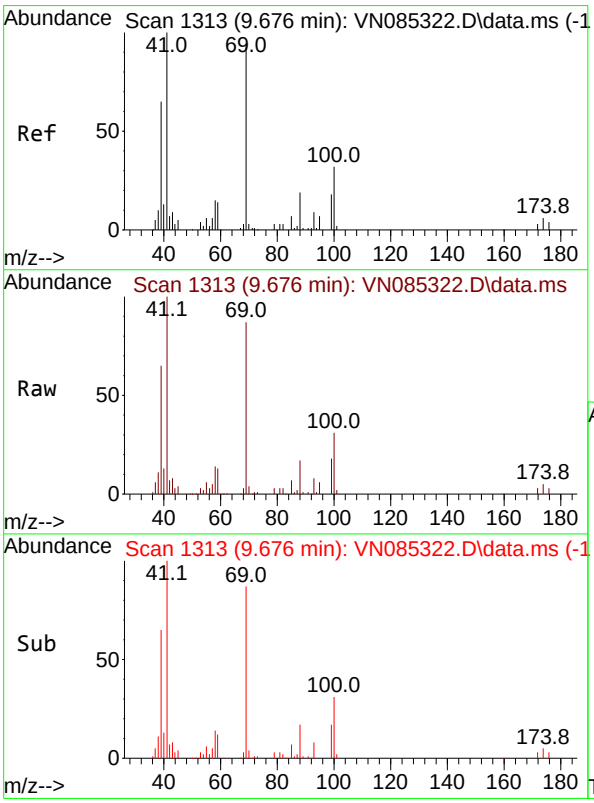
#47
Bromodichloromethane
Concen: 49.791 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 140475

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	7.2	5.8	8.6

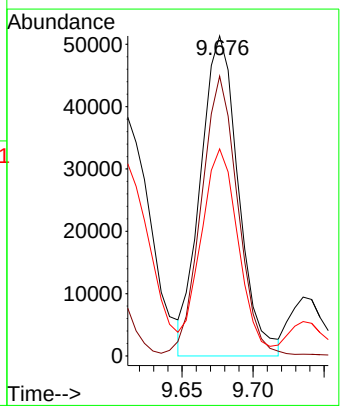


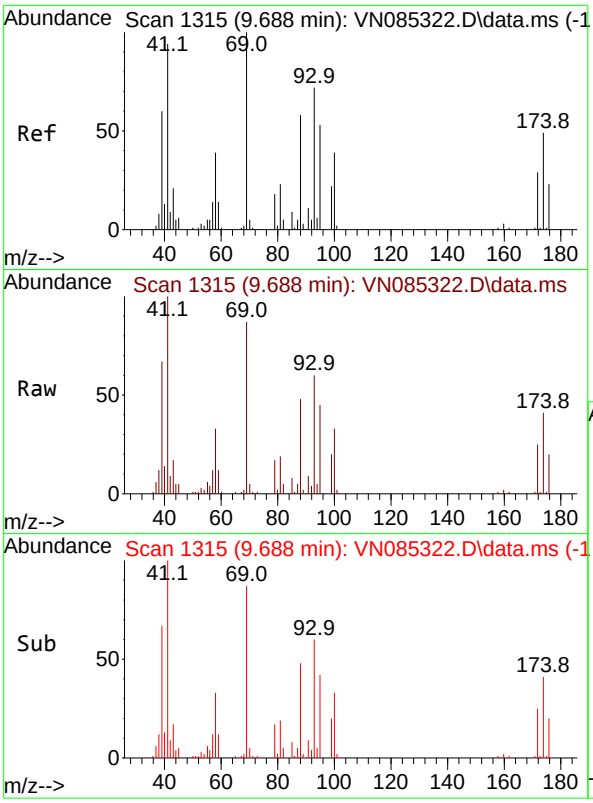


#48
Methyl methacrylate
Concen: 52.885 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 41 Resp: 95506

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.7	101.5
39	64.0	51.2	76.8



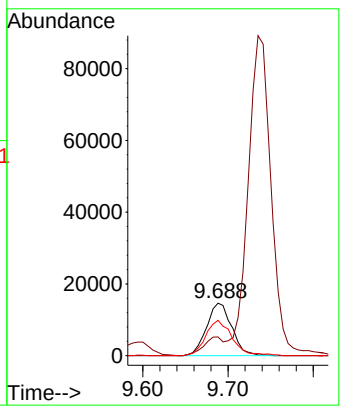


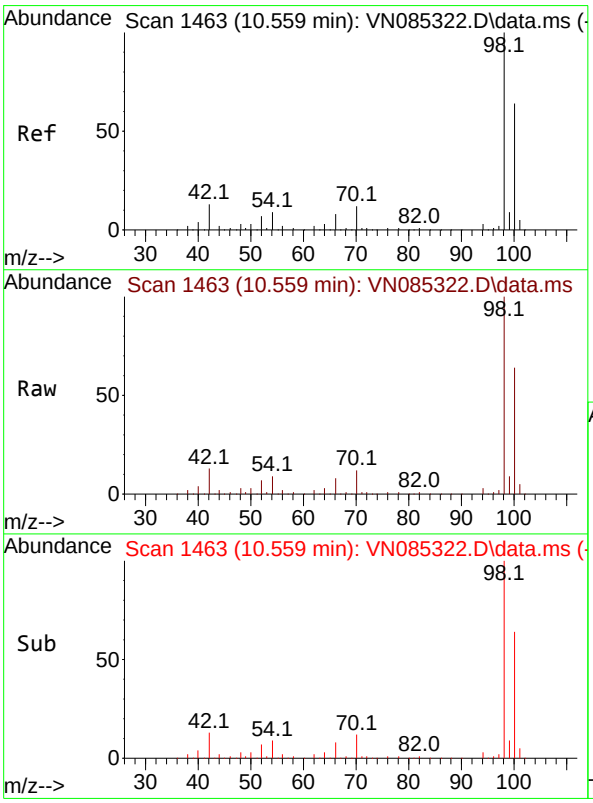
#49
1,4-Dioxane
Concen: 1099.805 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 29967

Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.1	33.1
58	70.9	56.7	85.1

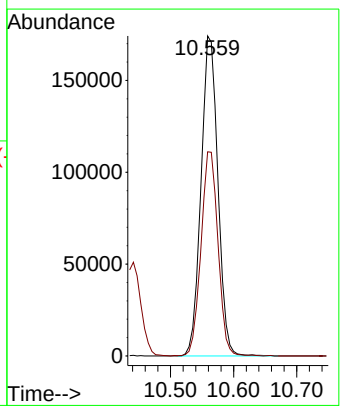


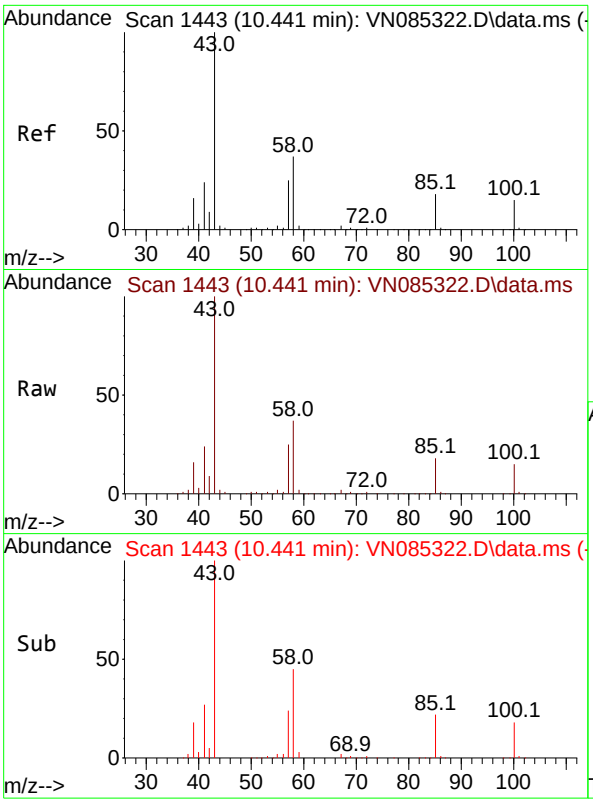


#50
Toluene-d8
Concen: 50.695 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 98 Resp: 323100

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3



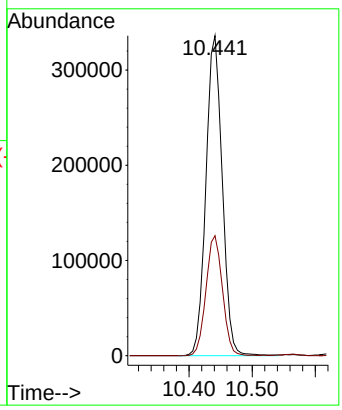


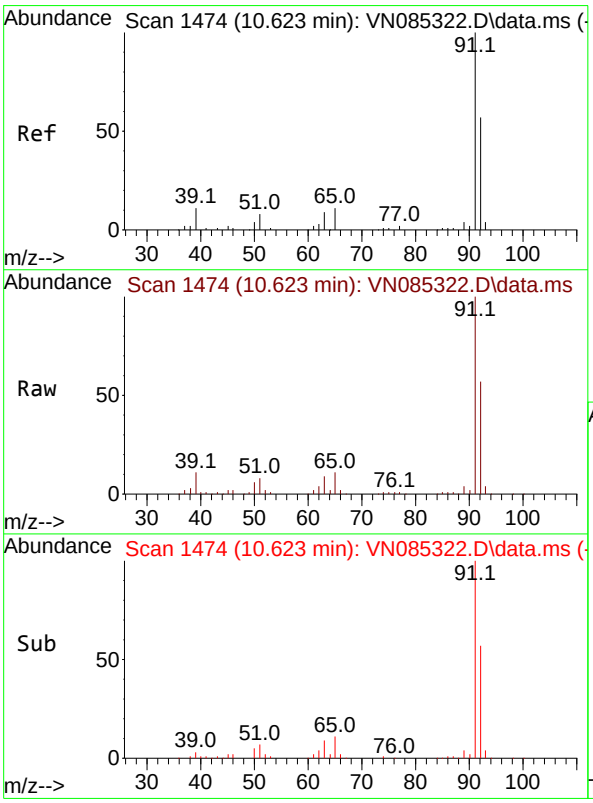
#51
4-Methyl-2-Pentanone
Concen: 258.422 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 604417

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.3	45.5

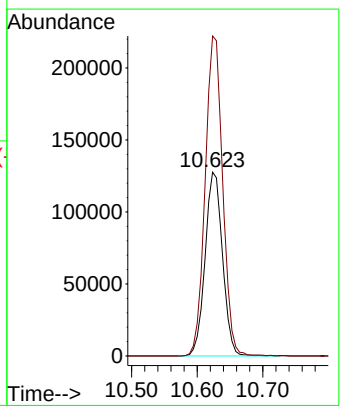


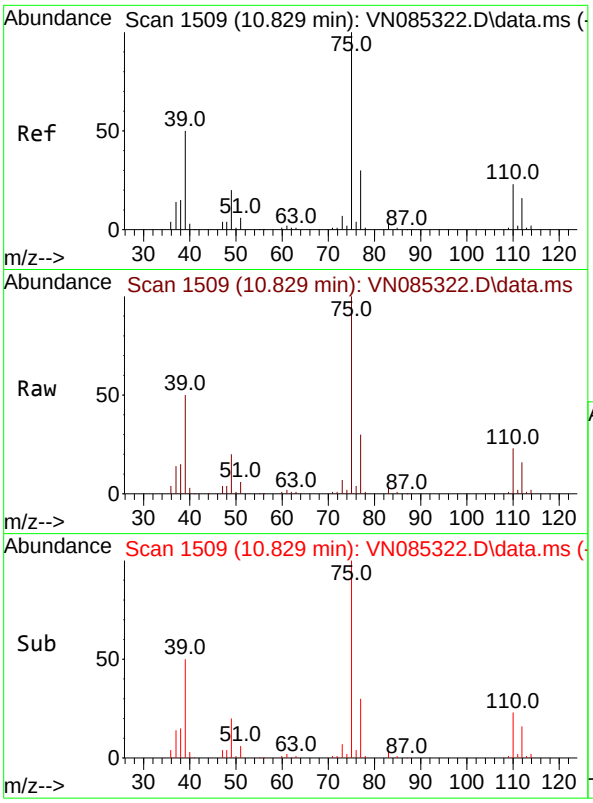


#52
Toluene
Concen: 51.469 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 92 Resp: 235625

Ion	Ratio	Lower	Upper
92	100		
91	175.3	140.2	210.4



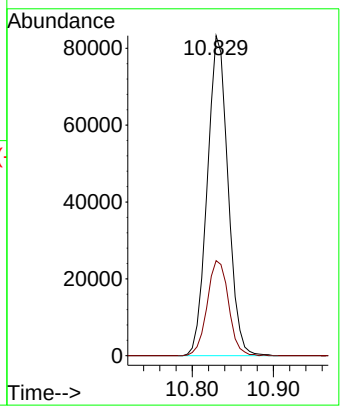


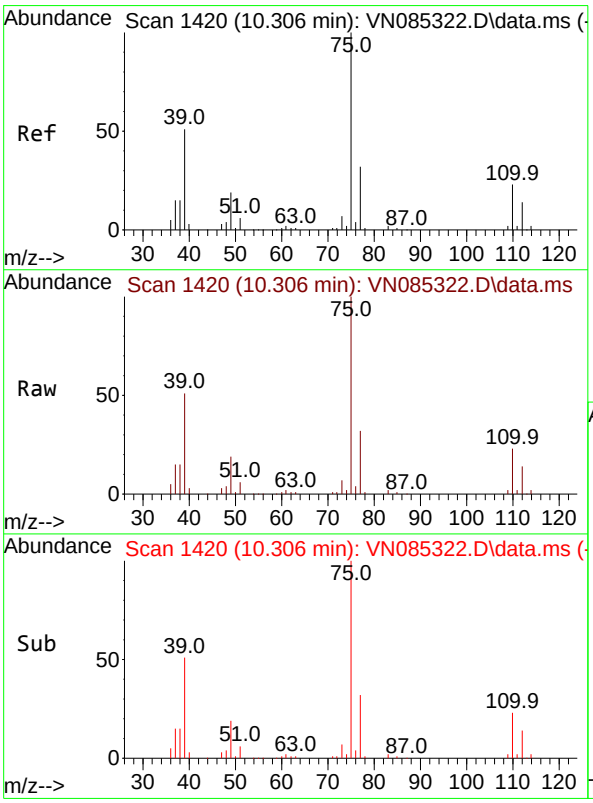
#53
t-1,3-Dichloropropene
Concen: 53.087 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 147289

Ion	Ratio	Lower	Upper
75	100		
77	29.7	23.8	35.6

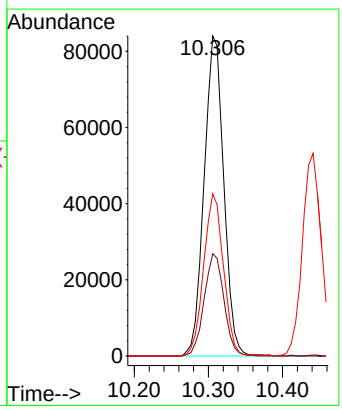


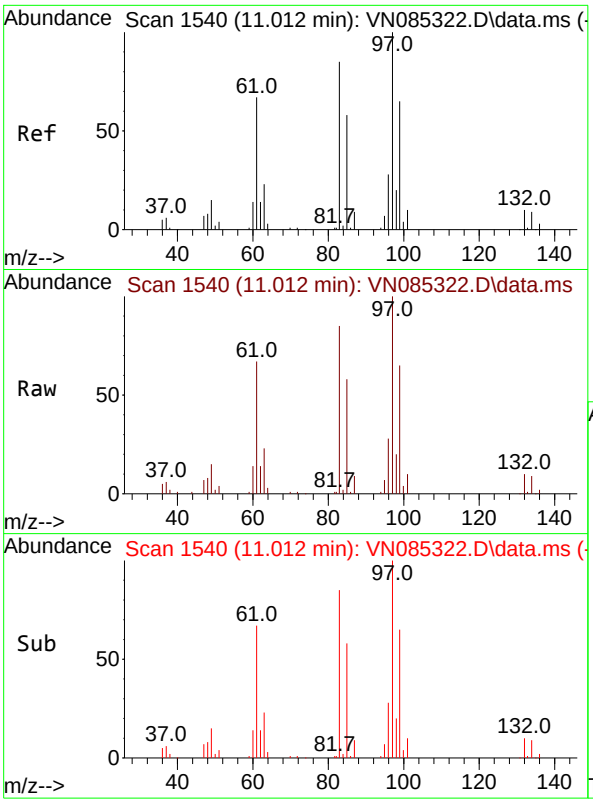


#54
cis-1,3-Dichloropropene
Concen: 51.536 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 154618

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3
39	50.6	40.5	60.7



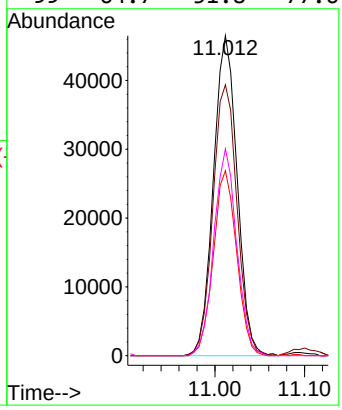


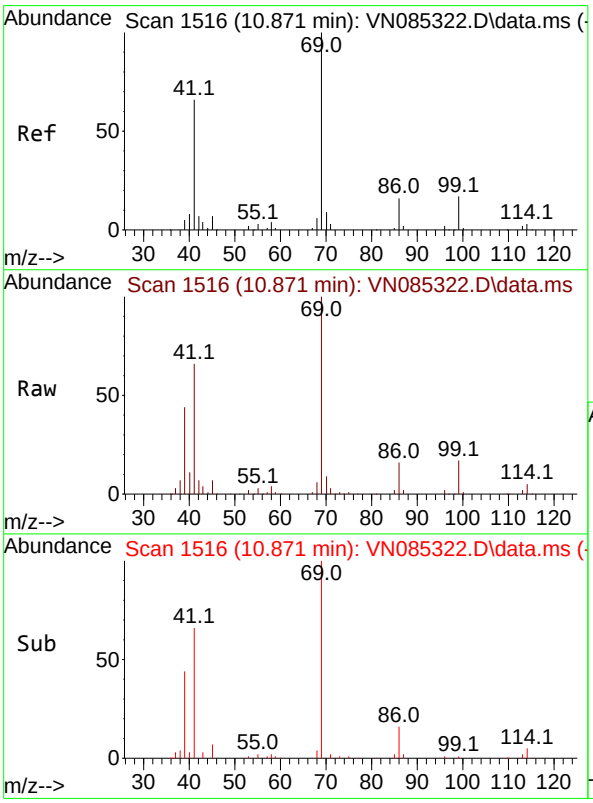
#55
1,1,2-Trichloroethane
Concen: 49.329 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 85262

Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.7	101.5
85	57.8	46.2	69.4
99	64.7	51.8	77.6

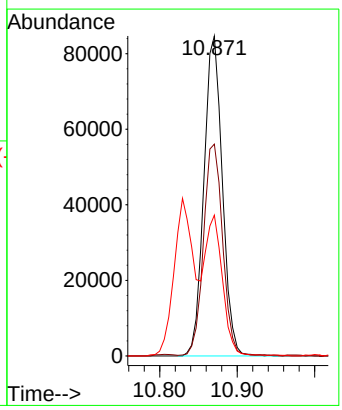


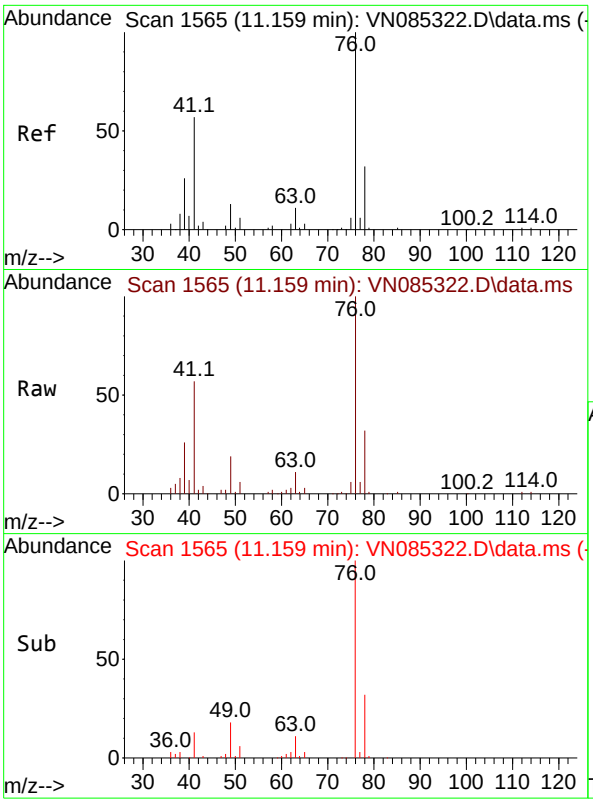


#56
Ethyl methacrylate
Concen: 55.599 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 69 Resp: 139960

Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.3	81.5
39	40.0	32.0	48.0



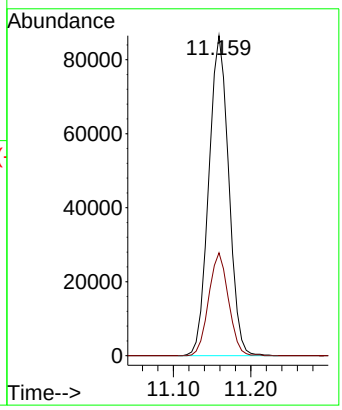


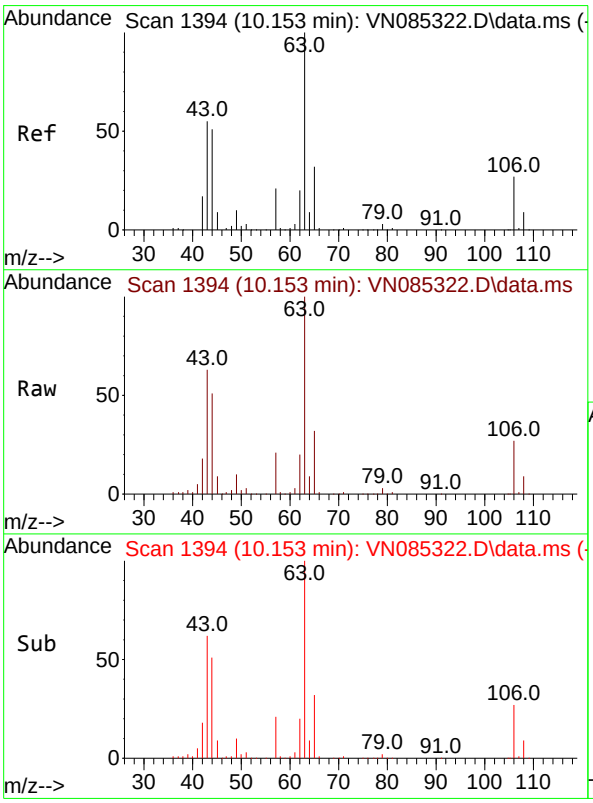
#57
1,3-Dichloropropane
Concen: 50.893 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 154391

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

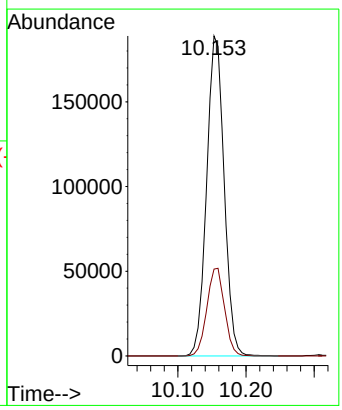


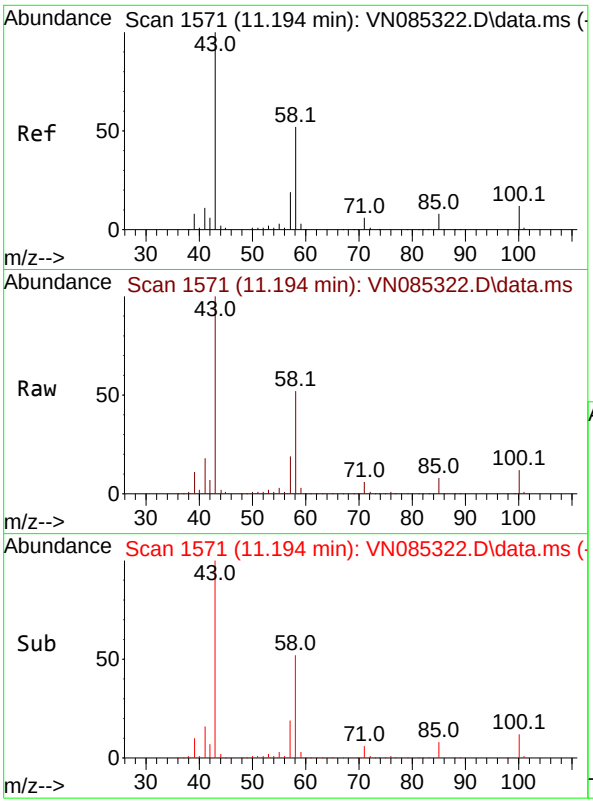


#58
2-Chloroethyl Vinyl ether
Concen: 276.695 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 63 Resp: 336991

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1



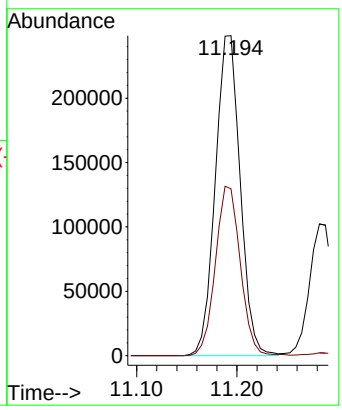


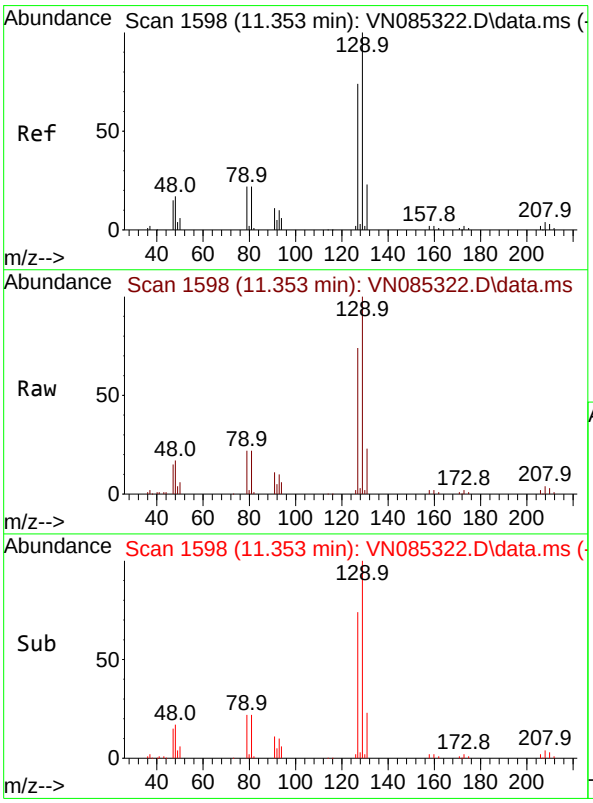
#59
2-Hexanone
Concen: 263.862 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 428174

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

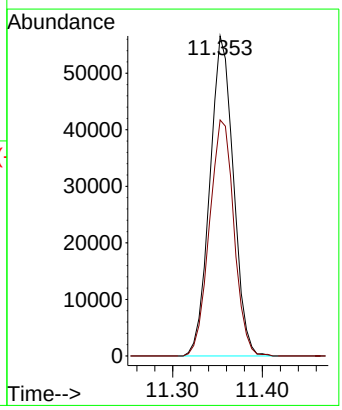


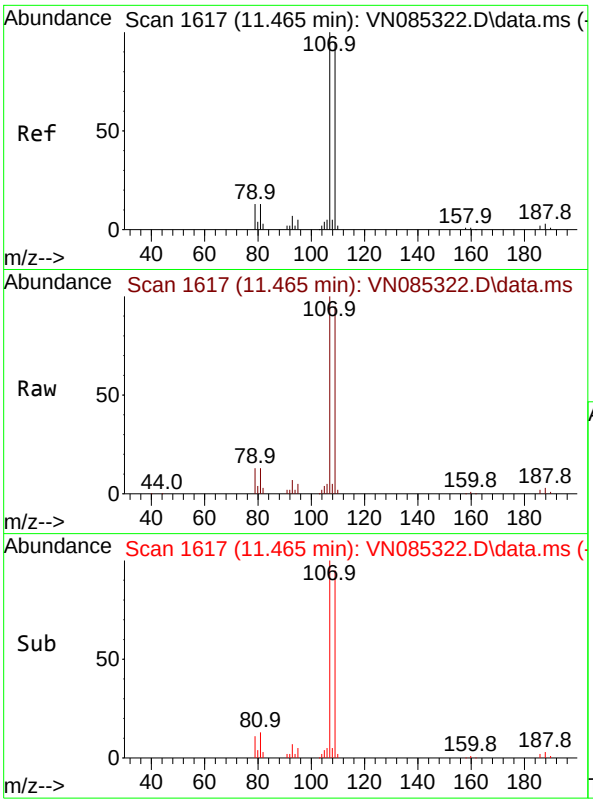


#60
Dibromochloromethane
Concen: 52.999 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:129 Resp: 103179

Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9



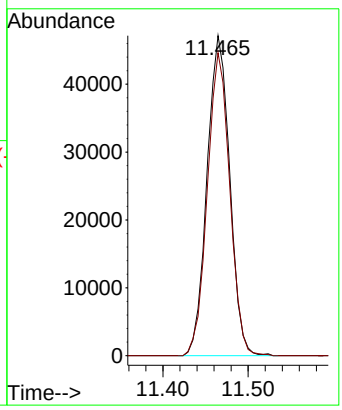


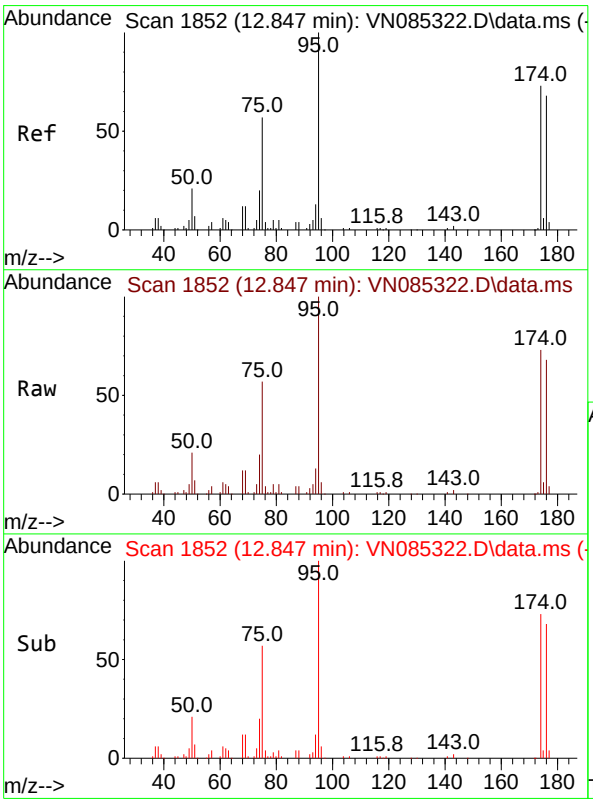
#61
1,2-Dibromoethane
Concen: 50.969 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 87157

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3

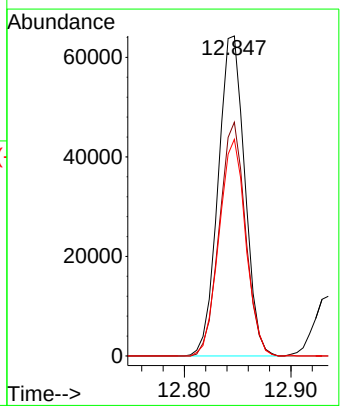


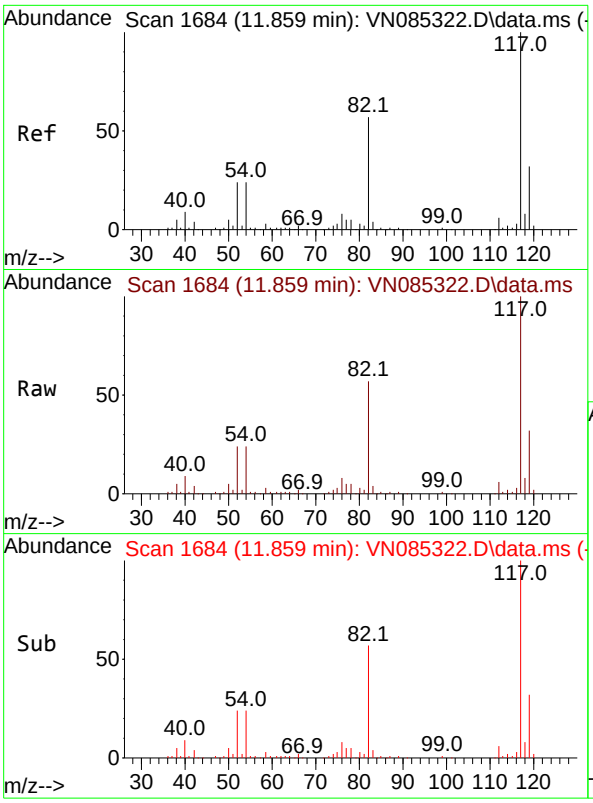


#62
4-Bromofluorobenzene
Concen: 52.700 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 95 Resp: 111548

Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	143.2
176	67.9	0.0	135.8



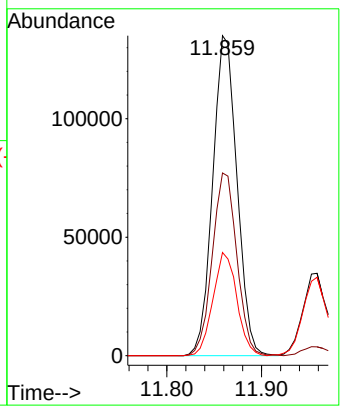


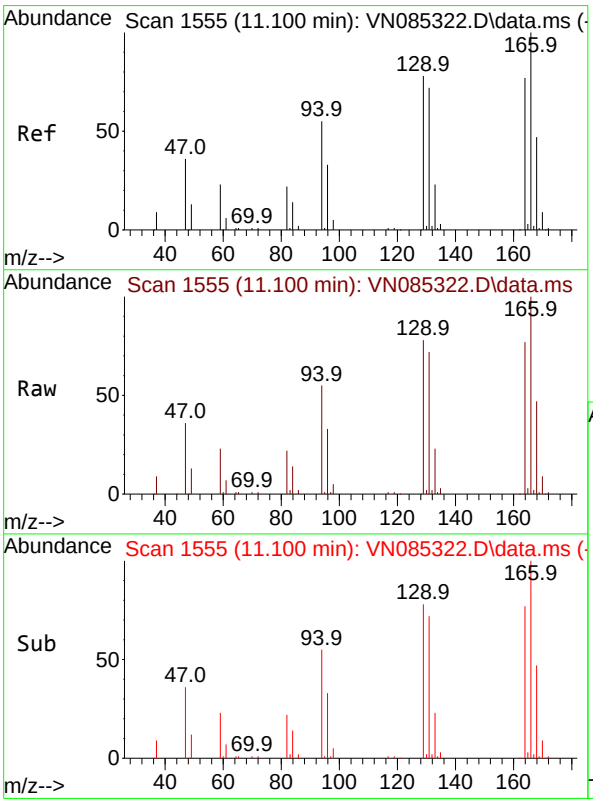
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 240680

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.3	25.8	38.8

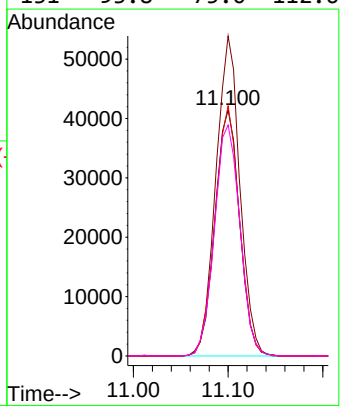


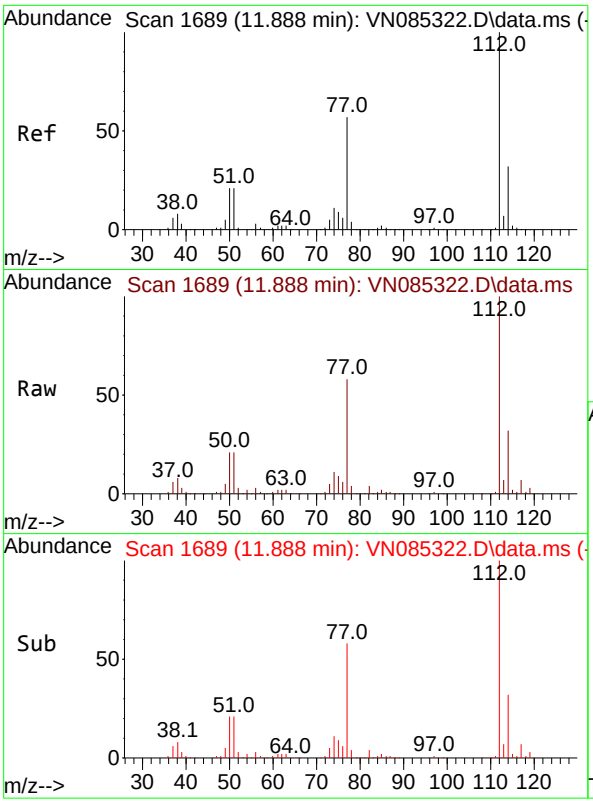


#64
Tetrachloroethene
Concen: 49.270 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:164 Resp: 75140

Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.0	156.0
129	101.6	81.3	121.9
131	93.8	75.0	112.6



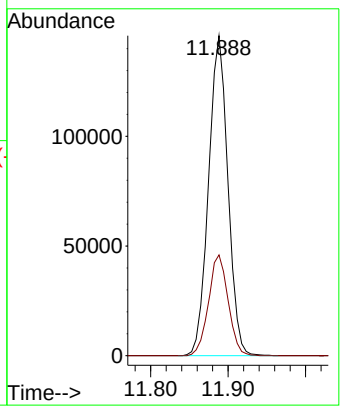


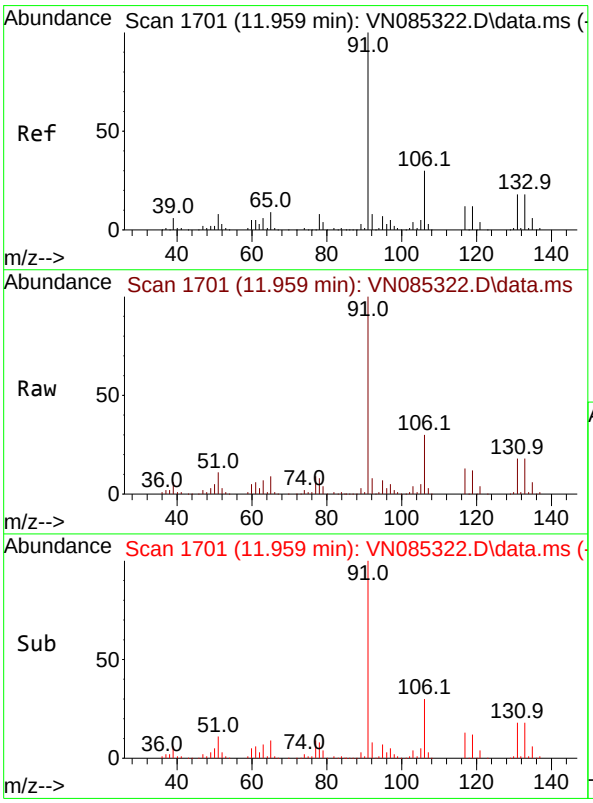
#65
Chlorobenzene
Concen: 48.550 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 252514

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

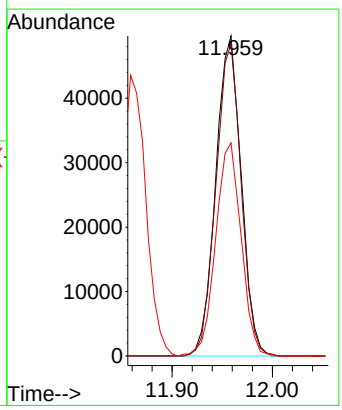


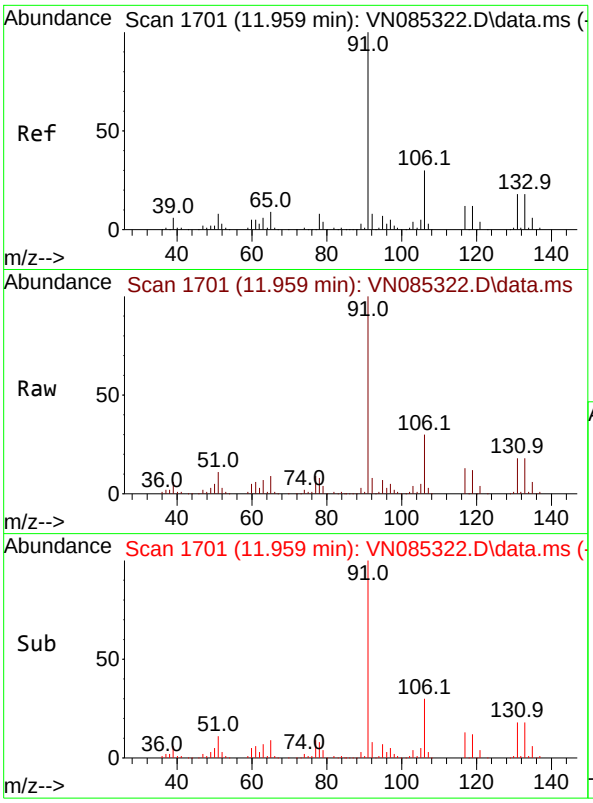


#66
1,1,1,2-Tetrachloroethane
Concen: 50.030 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:131 Resp: 87333

Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.3	144.9
119	66.7	33.4	100.1



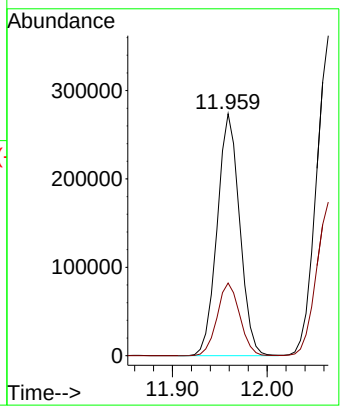


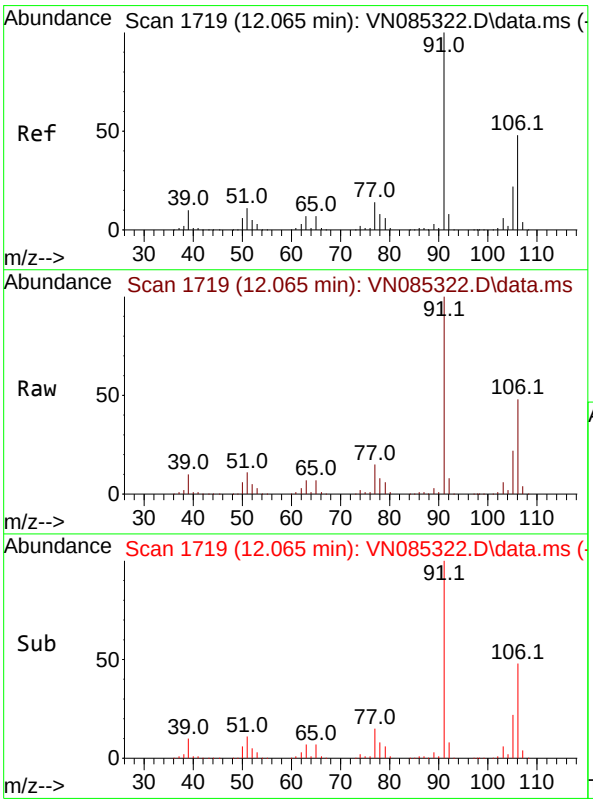
#67
Ethyl Benzene
Concen: 52.228 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 451752

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0

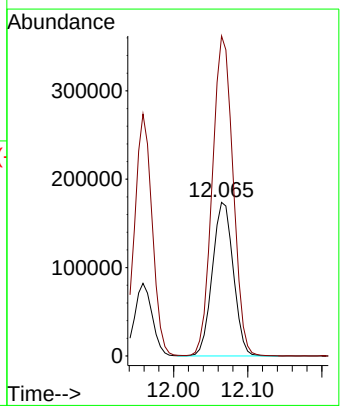


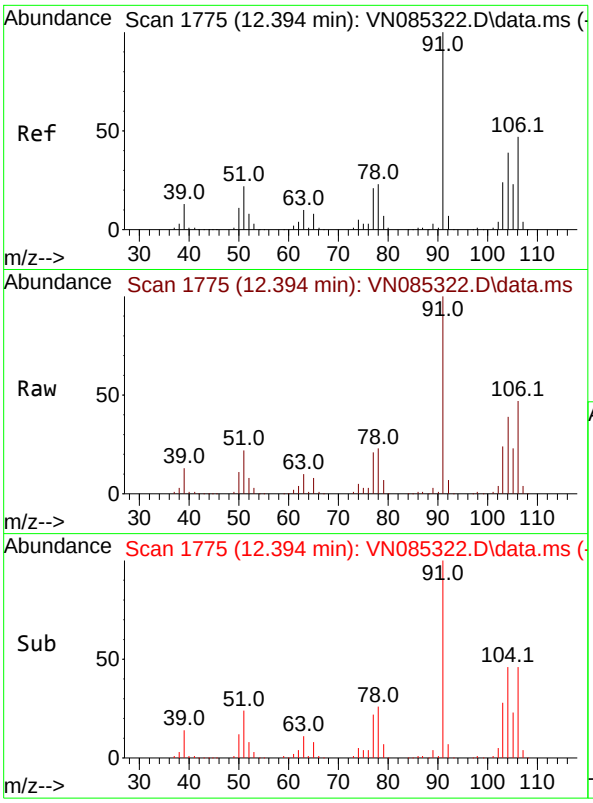


#68
m/p-Xylenes
Concen: 107.860 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:106 Resp: 341420

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.2	247.8



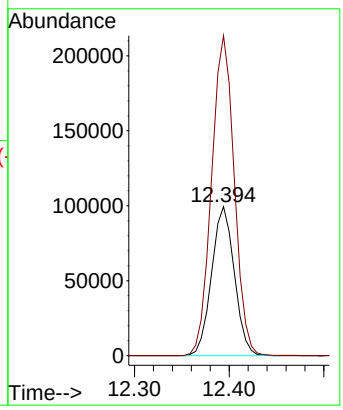


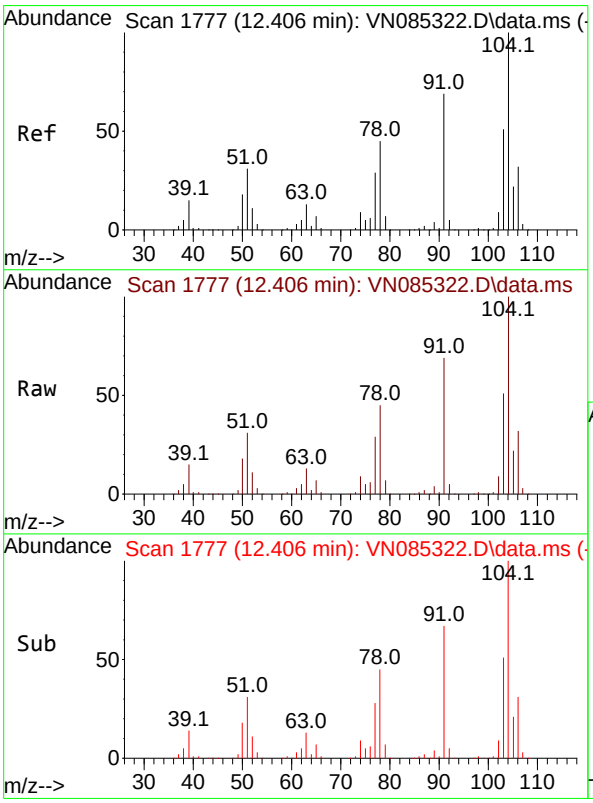
#69
o-Xylene
Concen: 54.121 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 165724

Ion	Ratio	Lower	Upper
106	100		
91	214.5	107.3	321.8

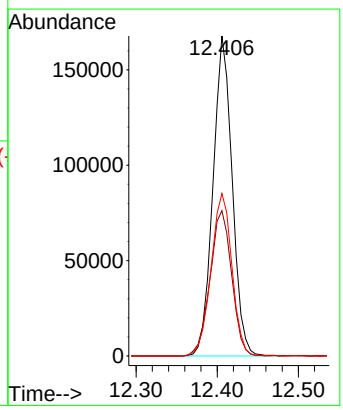


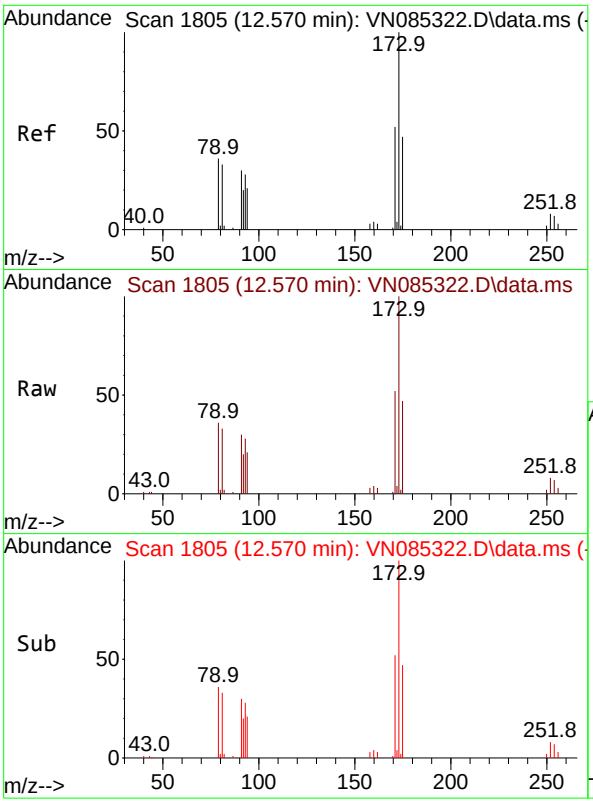


#70
Styrene
Concen: 55.616 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:104 Resp: 276012

Ion	Ratio	Lower	Upper
104	100		
78	50.9	40.7	61.1
103	55.1	44.1	66.1



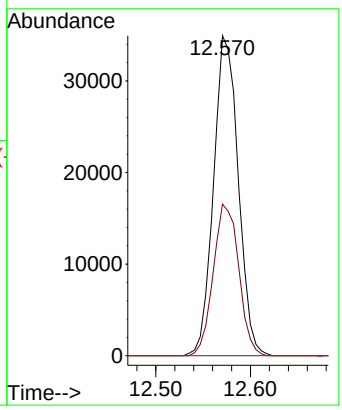


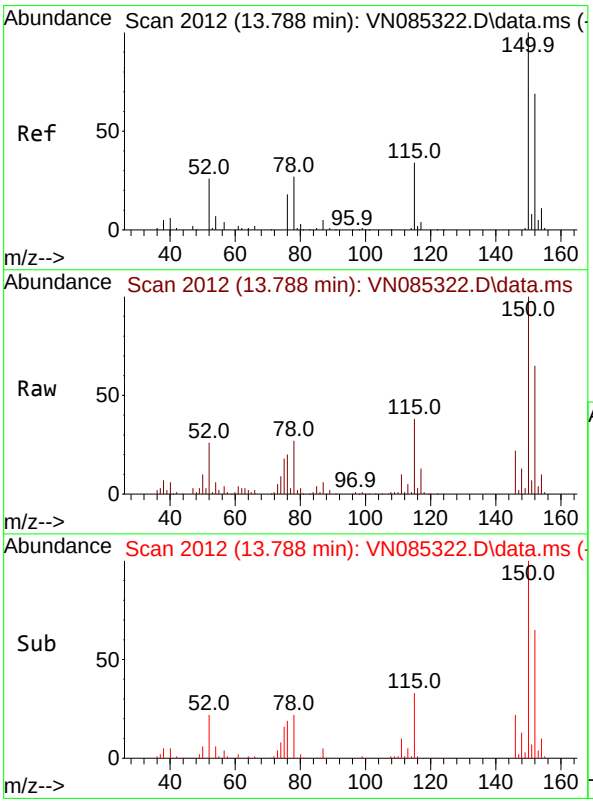
#71
Bromoform
Concen: 52.330 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 63268

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.0	0.0	0.0

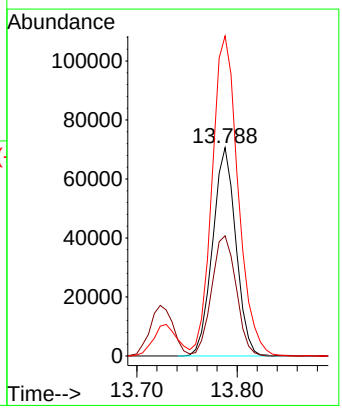


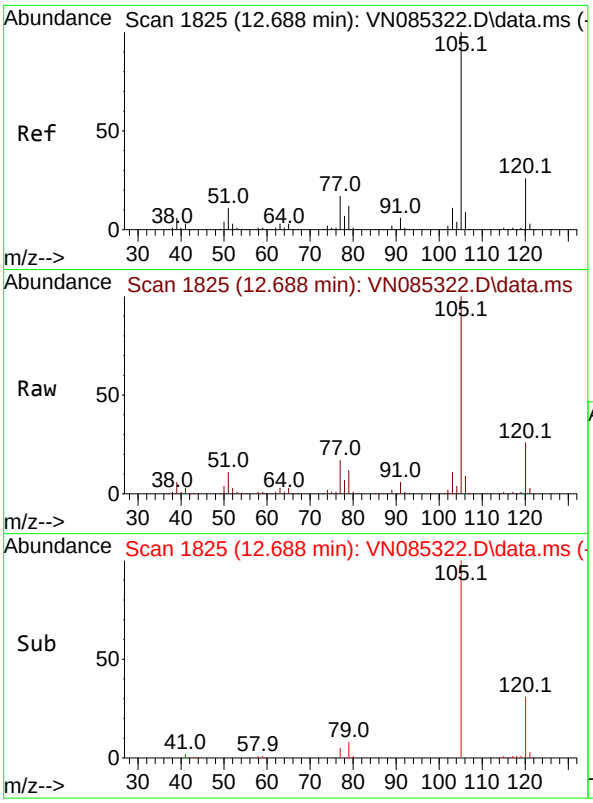


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:152 Resp: 113462

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.4	91.3
150	172.5	0.0	345.0



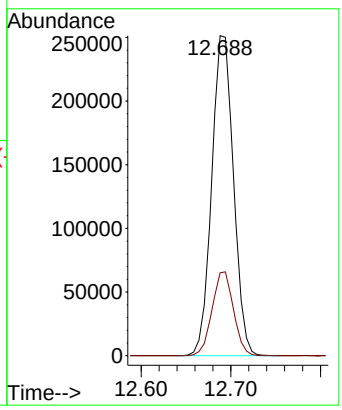


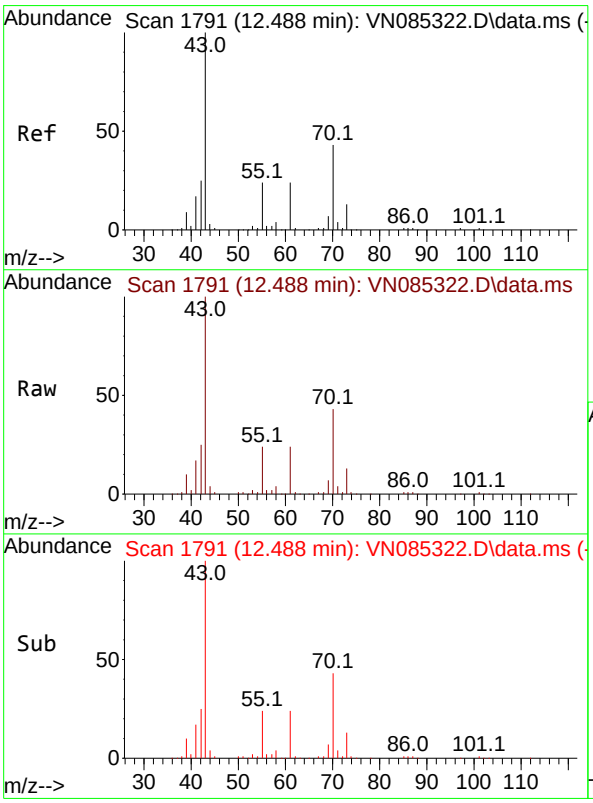
#73
Isopropylbenzene
Concen: 51.888 ug/l
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 423362

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6

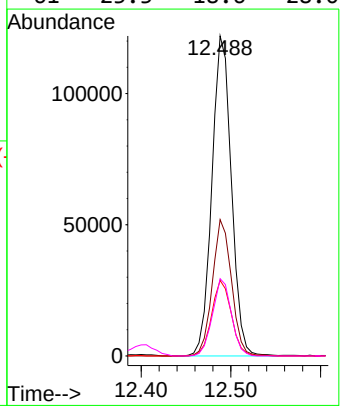


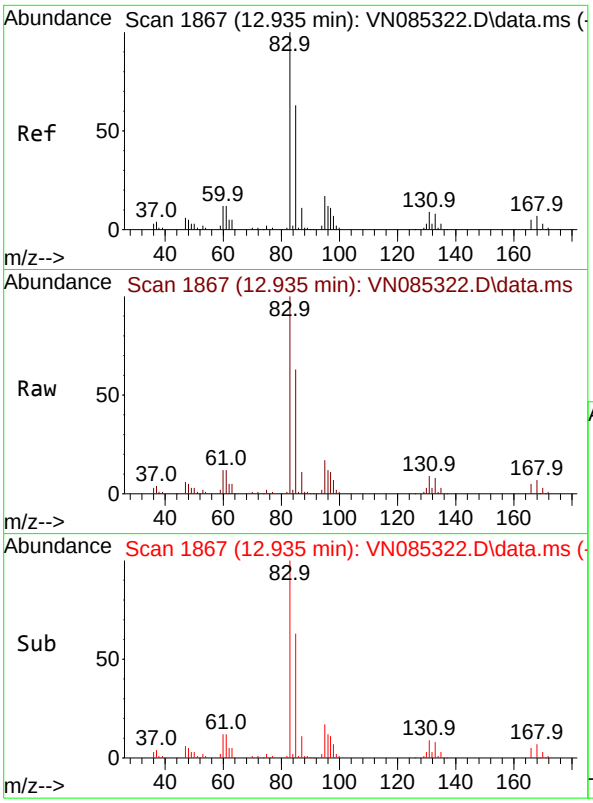


#74
N-amyl acetate
Concen: 52.669 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 43 Resp: 183943

Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.0
55	24.0	19.2	28.8
61	23.3	18.6	28.0



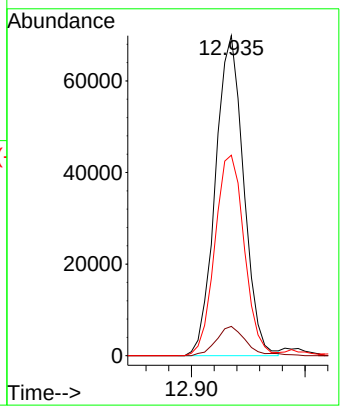


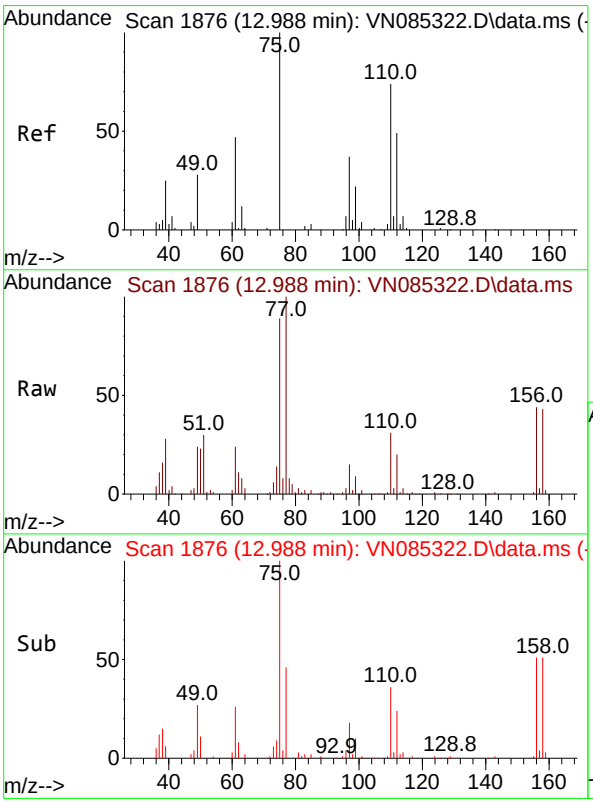
#75
1,1,2,2-Tetrachloroethane
Concen: 46.441 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 120681

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.3	32.6	98.0

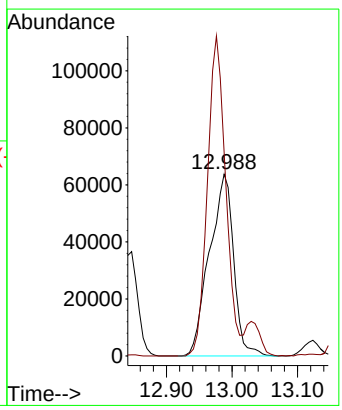


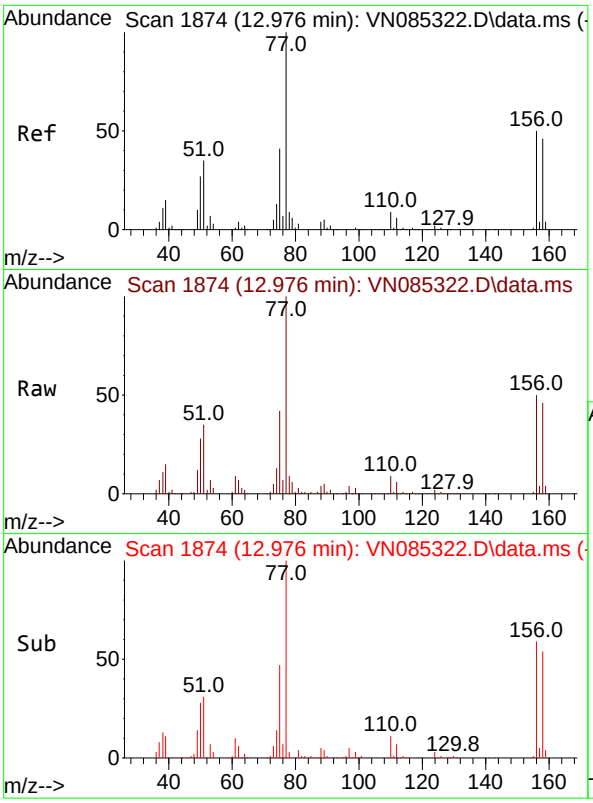


#76
1,2,3-Trichloropropane
Concen: 49.460 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 163046

Ion	Ratio	Lower	Upper
75	100		
77	133.0	98.1	294.3



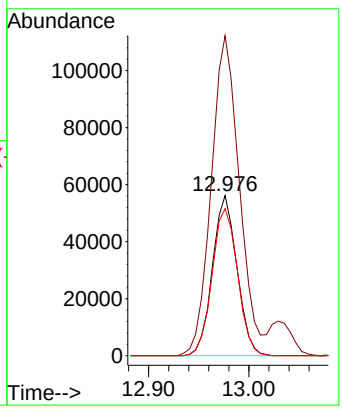


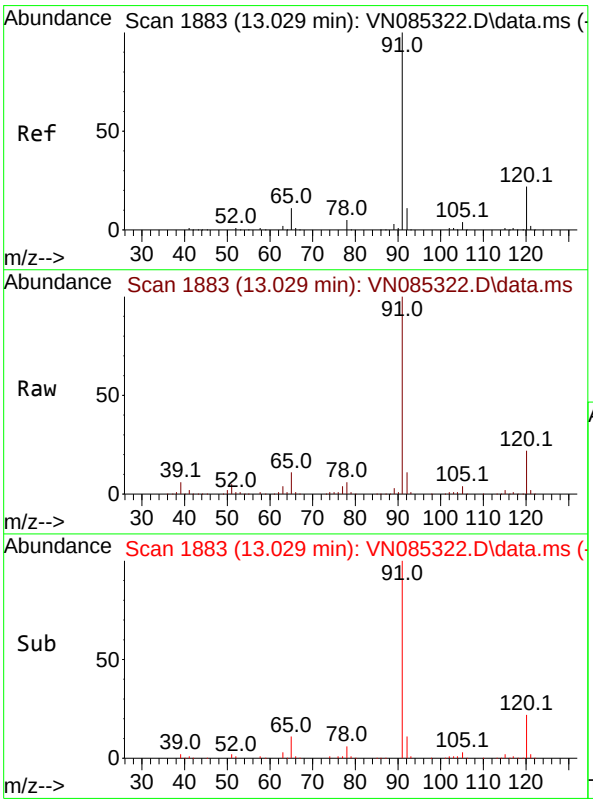
#77
Bromobenzene
Concen: 47.058 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 95126

Ion	Ratio	Lower	Upper
156	100		
77	228.0	114.0	342.0
158	95.2	47.6	142.8

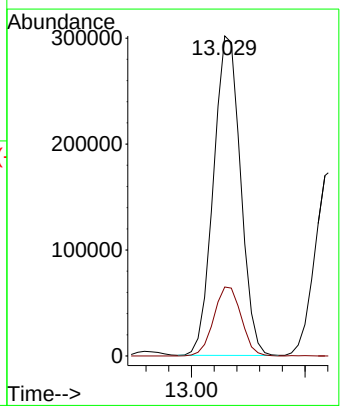


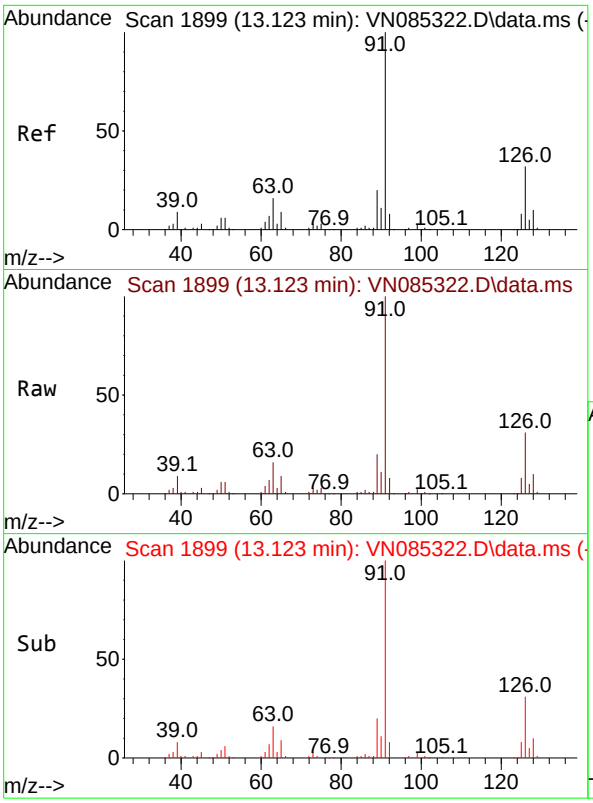


#78
n-propylbenzene
Concen: 52.403 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 498392

Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.9



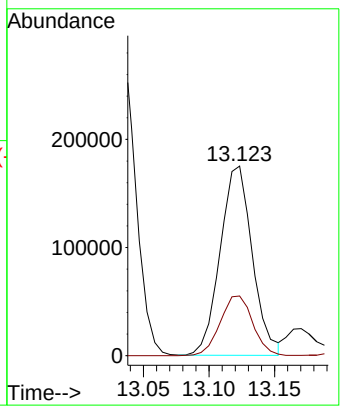


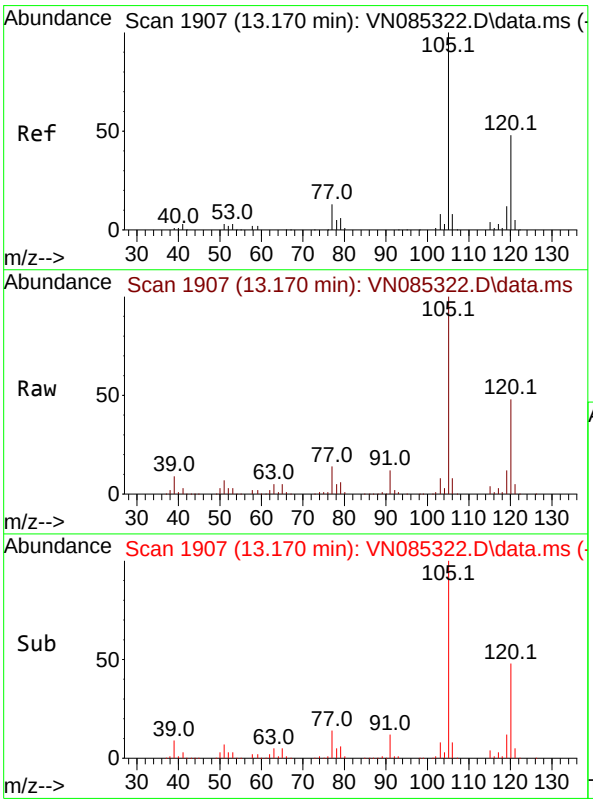
#79
2-Chlorotoluene
Concen: 49.970 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 299107

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0

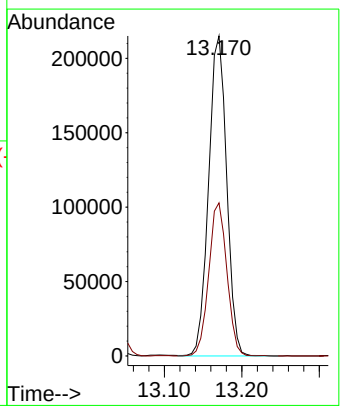


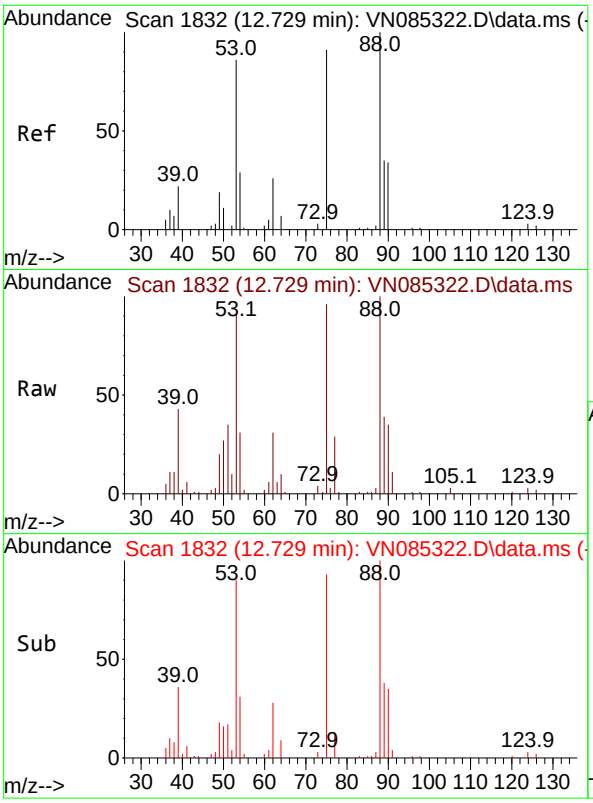


#80
1,3,5-Trimethylbenzene
Concen: 52.709 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 347857

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.0	72.0



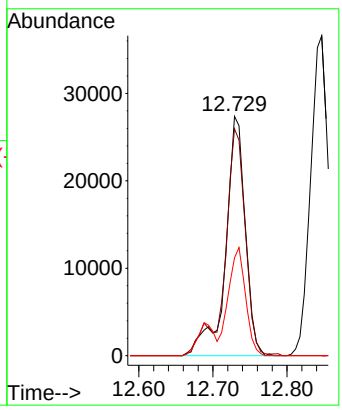


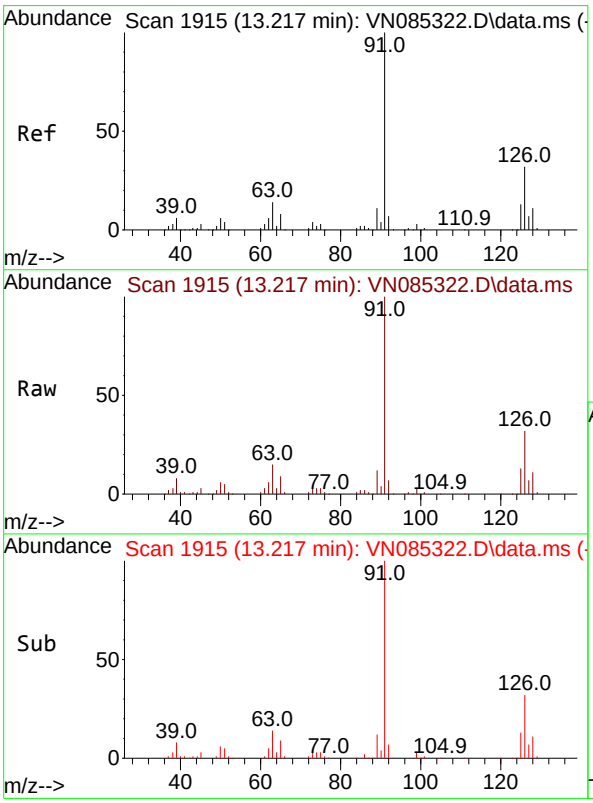
#81
trans-1,4-Dichloro-2-butene
Concen: 56.215 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 50627

Ion	Ratio	Lower	Upper
75	100		
53	88.3	80.0	120.0
89	39.5	35.8	53.8

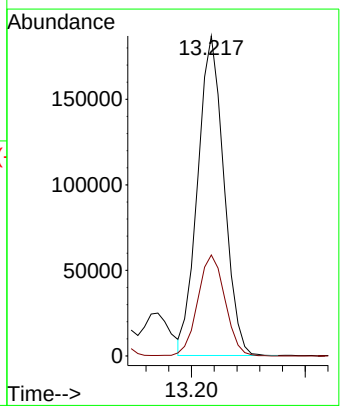


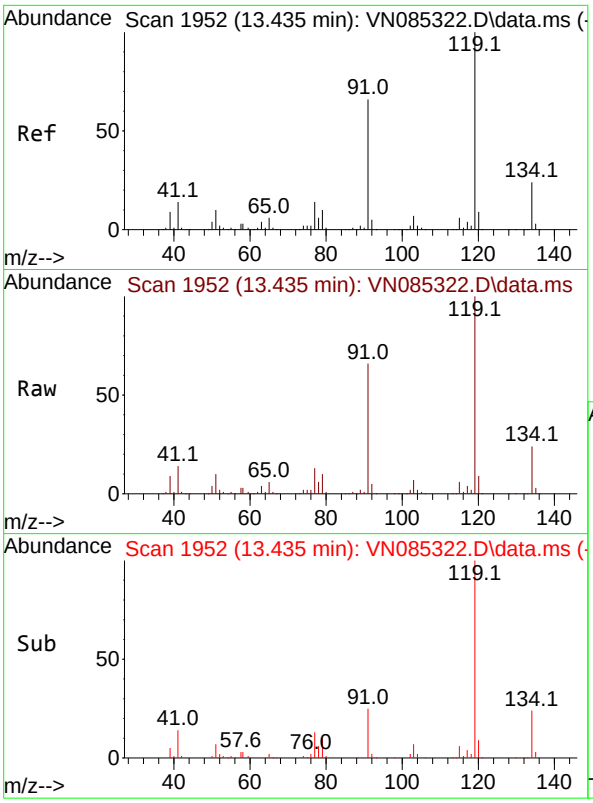


#82
4-Chlorotoluene
Concen: 49.717 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 91 Resp: 299712

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4



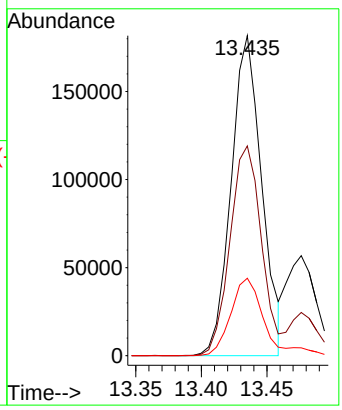


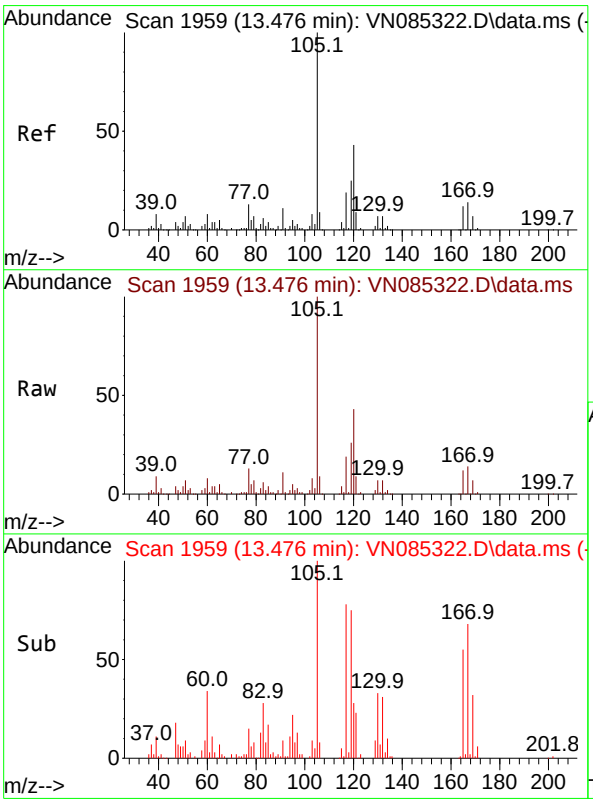
#83
tert-Butylbenzene
Concen: 51.541 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 294653

Ion	Ratio	Lower	Upper
119	100		
91	67.2	33.6	100.8
134	26.5	13.3	39.8

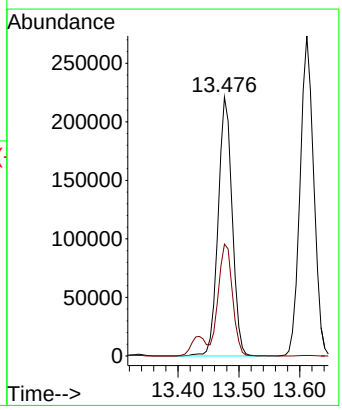


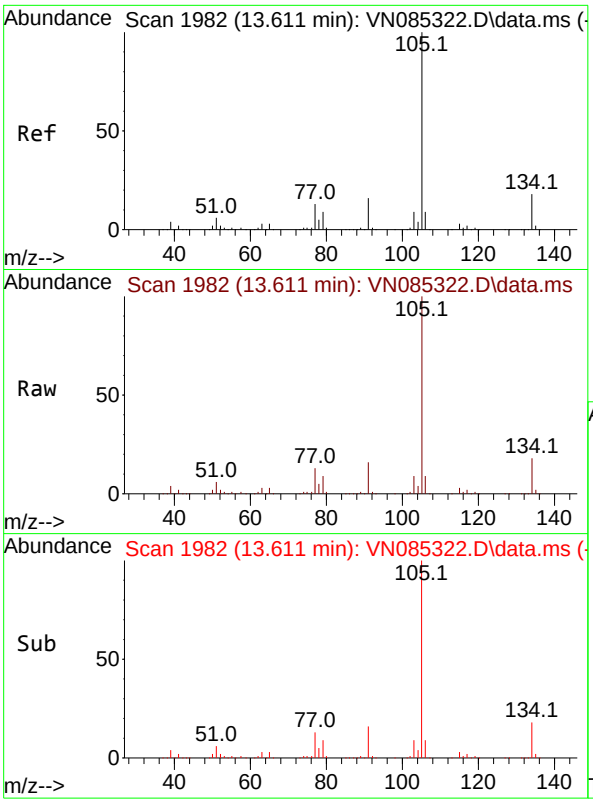


#84
1,2,4-Trimethylbenzene
Concen: 53.875 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:105 Resp: 354037

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.7	65.1



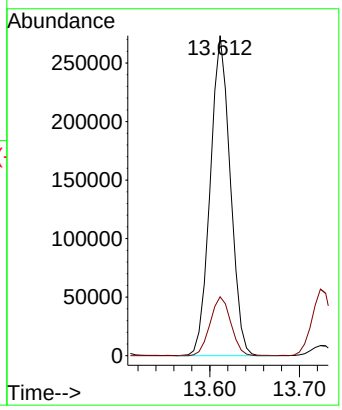


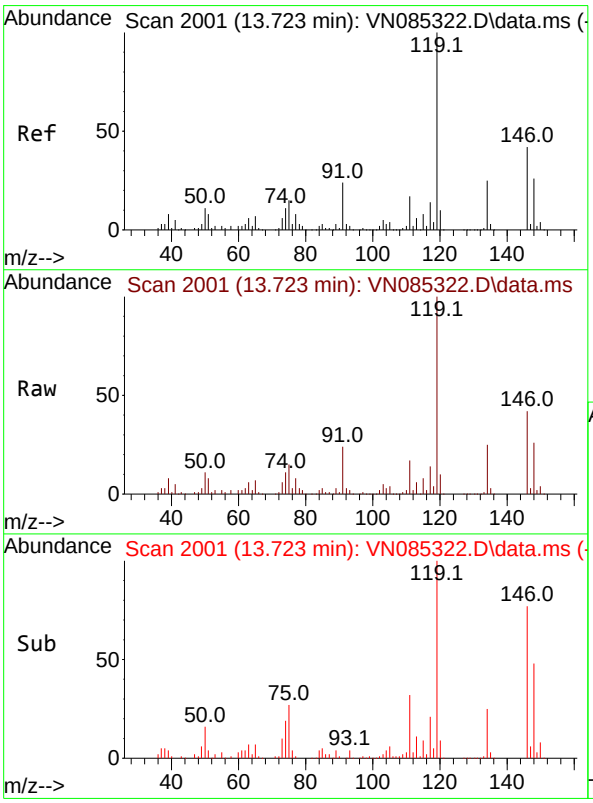
#85
sec-Butylbenzene
Concen: 53.476 ug/l
RT: 13.611 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 424353

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.3

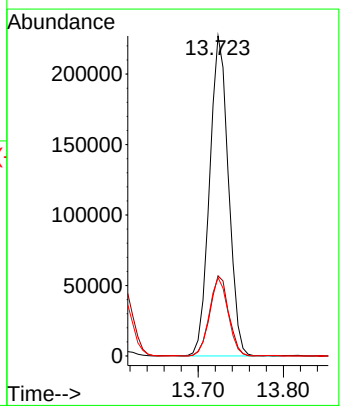


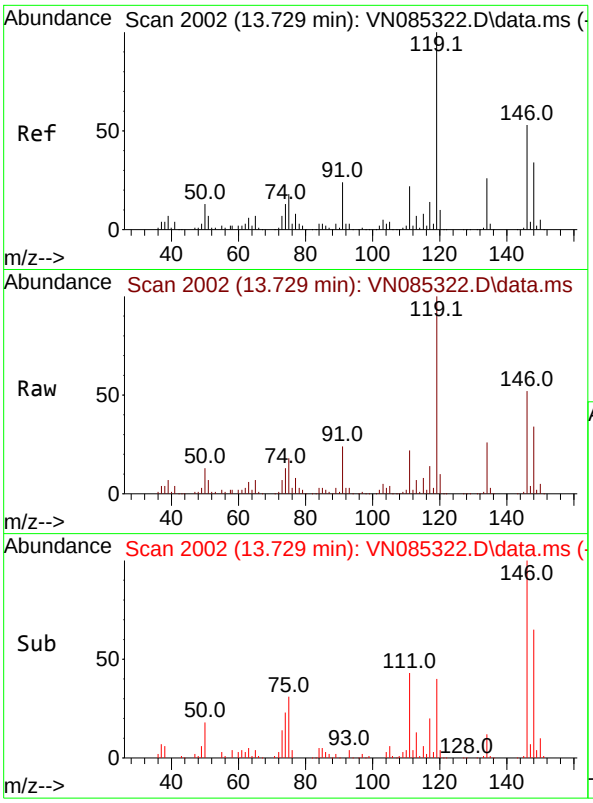


#86
p-Isopropyltoluene
Concen: 54.703 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:119 Resp: 349527

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.3	12.2	36.4



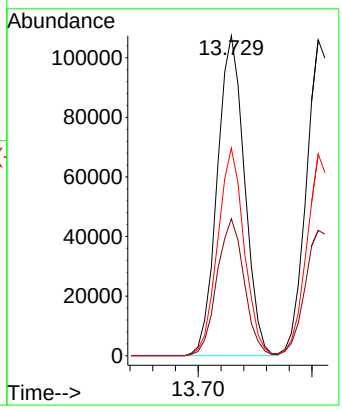


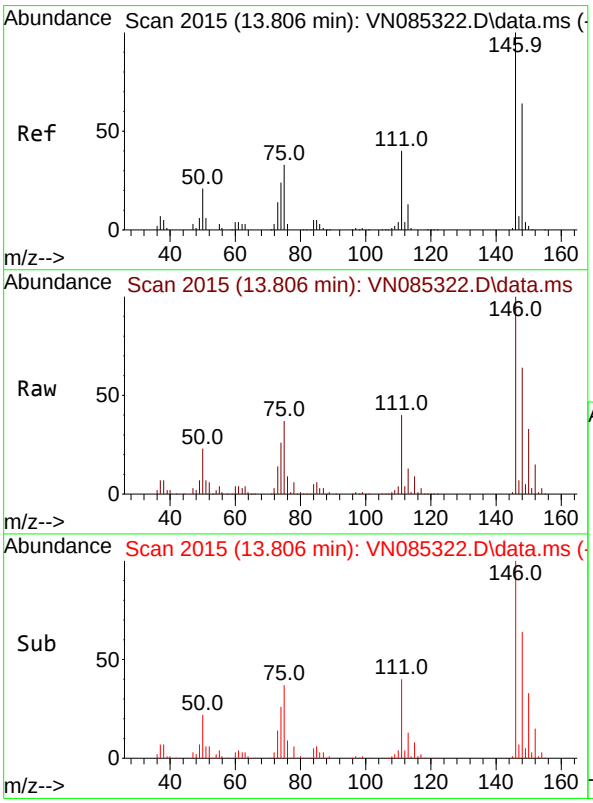
#87
1,3-Dichlorobenzene
Concen: 48.928 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 179301

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.0	31.5	94.5

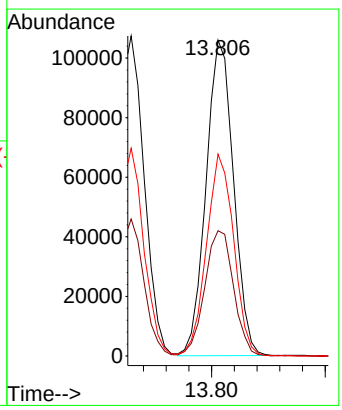


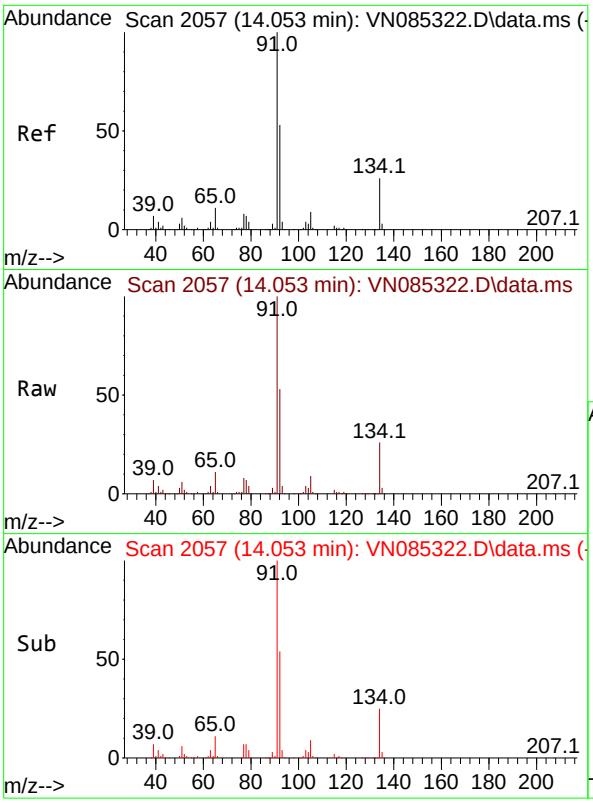


#88
1,4-Dichlorobenzene
Concen: 47.250 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:146 Resp: 177873

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	63.4	31.7	95.1



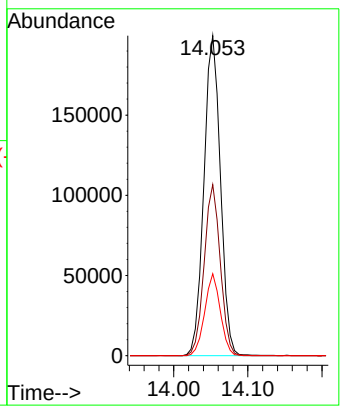


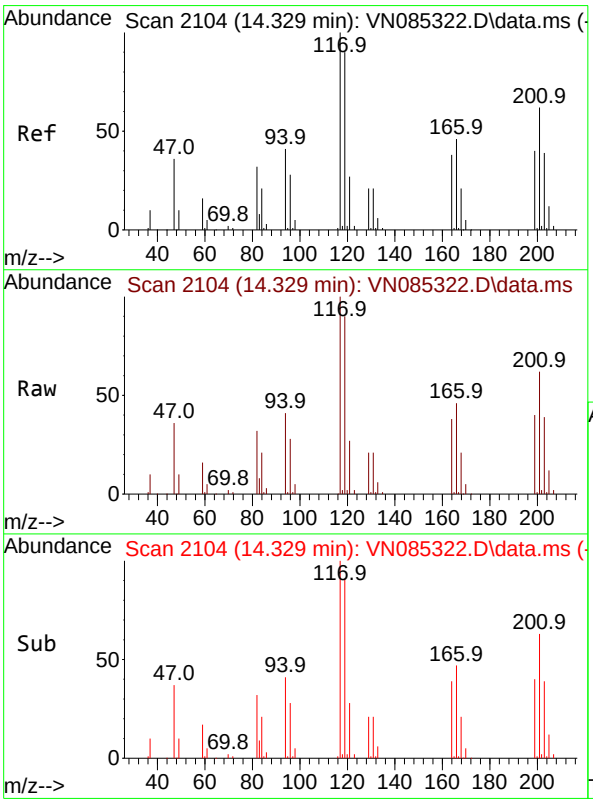
#89
n-Butylbenzene
Concen: 53.178 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 309010

Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	24.2	12.1	36.3

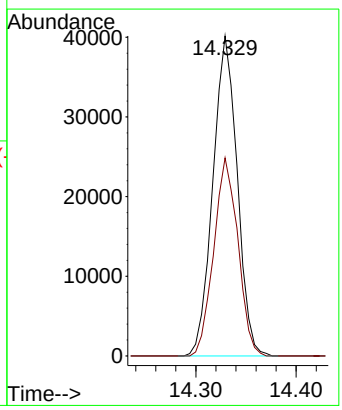


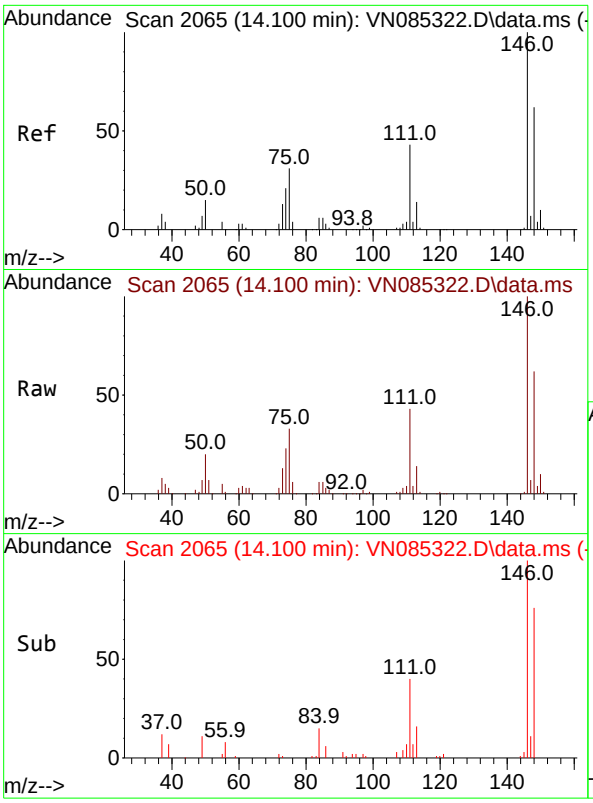


#90
Hexachloroethane
Concen: 51.976 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:117 Resp: 67607

Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.7	92.1



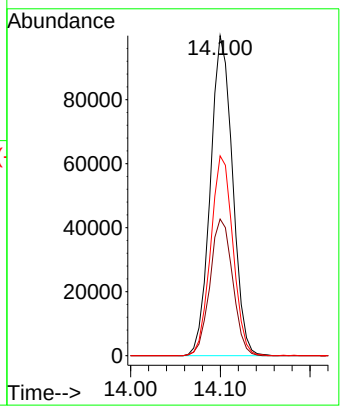


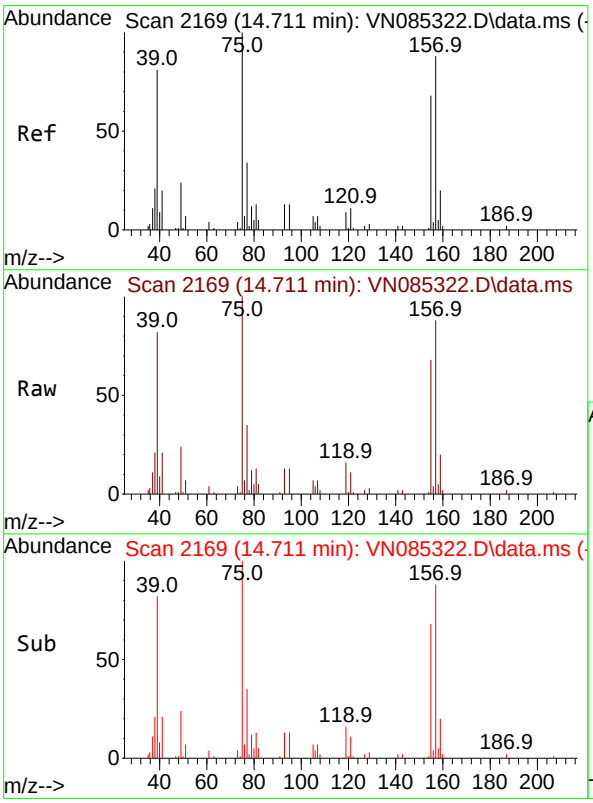
#91
1,2-Dichlorobenzene
Concen: 49.173 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 171657

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	62.8	31.4	94.2

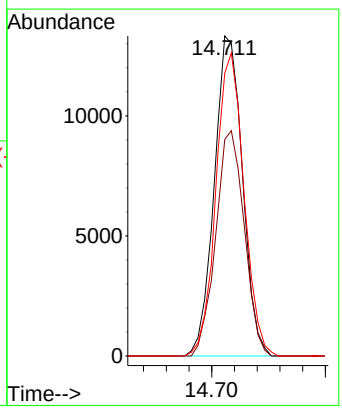


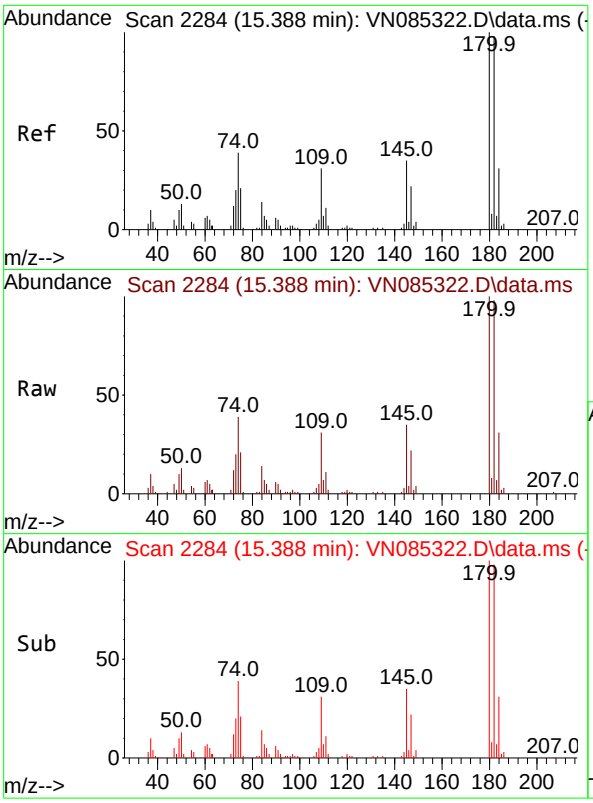


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.627 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion: 75 Resp: 22952

Ion	Ratio	Lower	Upper
75	100		
155	71.3	35.6	106.9
157	94.0	47.0	141.0



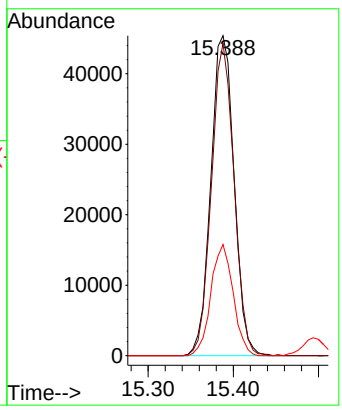


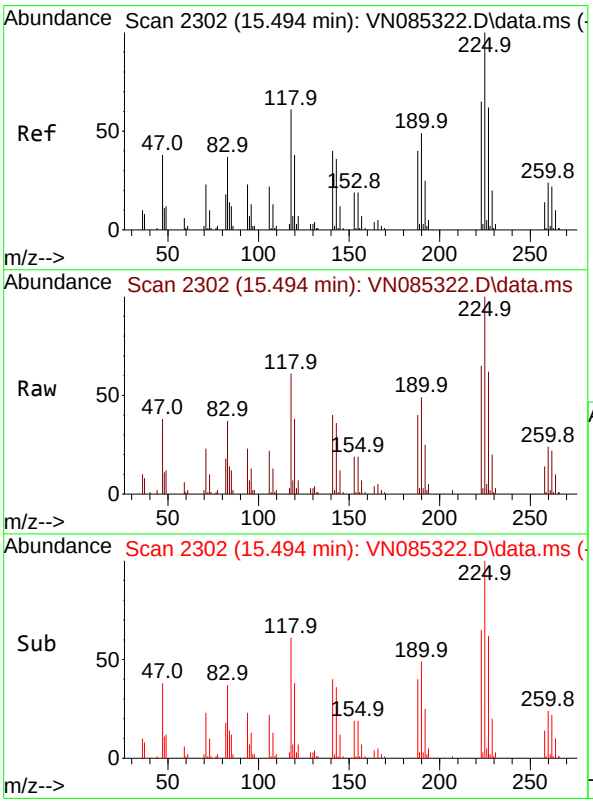
#93
1,2,4-Trichlorobenzene
Concen: 49.570 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 86363

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	33.2	16.6	49.8

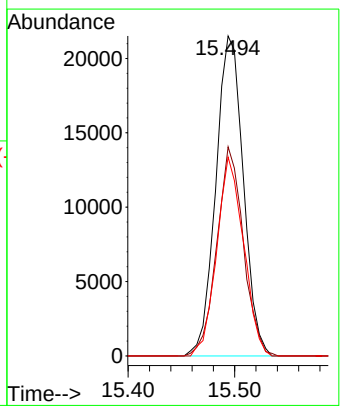


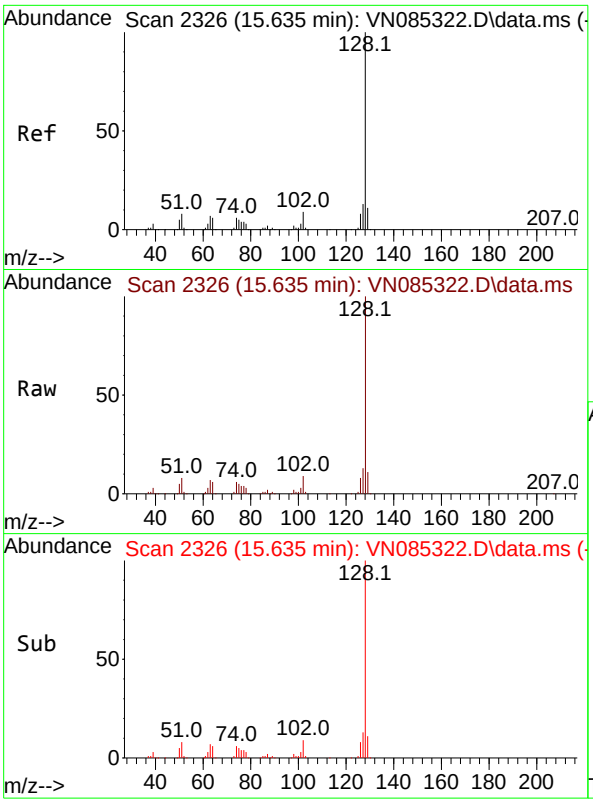


#94
Hexachlorobutadiene
Concen: 44.509 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:225 Resp: 38529

Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.7
227	60.7	30.3	91.0



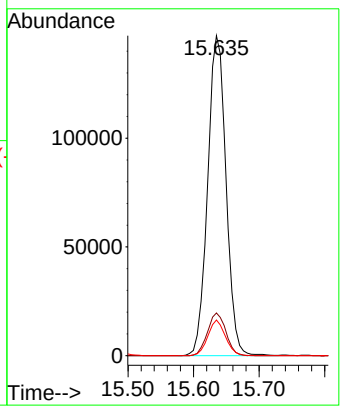


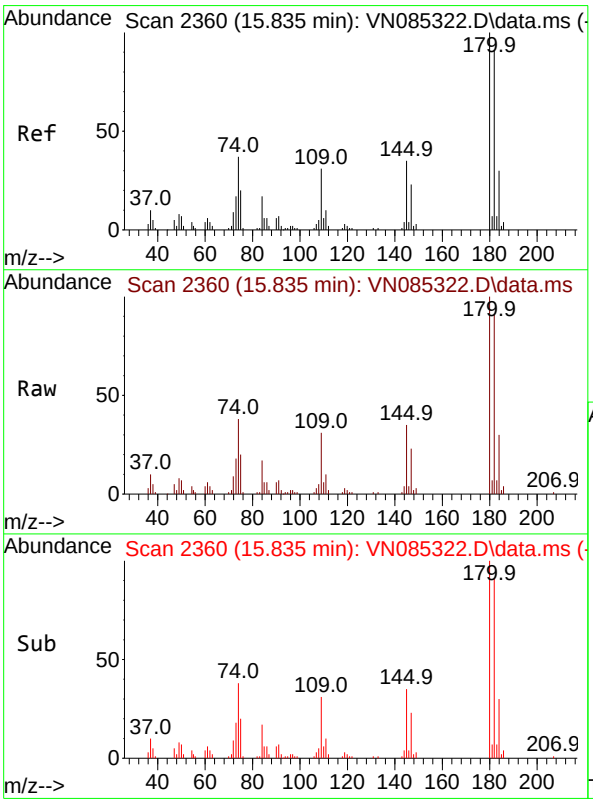
#95
Naphthalene
Concen: 48.560 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 286887

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.6	8.5	12.7

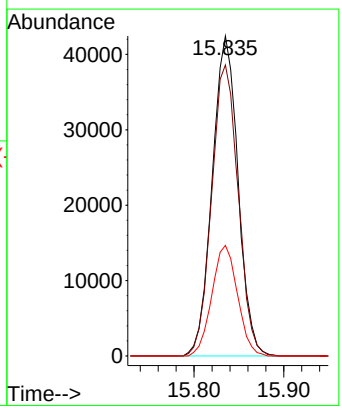




#96
1,2,3-Trichlorobenzene
Concen: 48.618 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085322.D
Acq: 27 Dec 2024 10:50

Tgt Ion:180 Resp: 84633

Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.8	140.4
145	34.4	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 28 00:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	224166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	40091	19.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.360%#		
35) Dibromofluoromethane	8.159	113	30693	18.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.620%#		
50) Toluene-d8	10.565	98	111985	18.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.400%#		
62) 4-Bromofluorobenzene	12.847	95	37918	19.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	38592	19.473	ug/l	98
3) Chloromethane	2.359	50	43217	19.403	ug/l	97
4) Vinyl Chloride	2.512	62	48485	20.583	ug/l	93
5) Bromomethane	2.953	94	31343	20.345	ug/l	99
6) Chloroethane	3.112	64	30158	20.188	ug/l	97
7) Trichlorofluoromethane	3.500	101	63811	20.607	ug/l	96
8) Diethyl Ether	3.959	74	21865	21.325	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35482	20.138	ug/l	97
10) Methyl Iodide	4.589	142	42319	20.755	ug/l	91
11) Tert butyl alcohol	5.512	59	27123	103.637	ug/l	100
12) 1,1-Dichloroethene	4.342	96	34208	21.007	ug/l	96
13) Acrolein	4.177	56	40956	100.376	ug/l	98
14) Allyl chloride	5.018	41	53265	20.438	ug/l	100
15) Acrylonitrile	5.718	53	87221	105.884	ug/l	98
16) Acetone	4.424	43	73157	106.449	ug/l	97
17) Carbon Disulfide	4.712	76	101412	20.471	ug/l	98
18) Methyl Acetate	5.024	43	43744	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	113371	21.420	ug/l	97
20) Methylene Chloride	5.277	84	38285	20.711	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	36209	21.286	ug/l	91
22) Diisopropyl ether	6.665	45	120874	21.523	ug/l	99
23) Vinyl Acetate	6.600	43	495919	116.723	ug/l	96
24) 1,1-Dichloroethane	6.565	63	70880	20.952	ug/l	97
25) 2-Butanone	7.477	43	114225	107.133	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63819	21.532	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	42857	21.466	ug/l	97
28) Bromochloromethane	7.806	49	31632	20.120	ug/l #	99
29) Tetrahydrofuran	7.835	42	74837	108.966	ug/l	99
30) Chloroform	7.965	83	72892	21.061	ug/l	95
31) Cyclohexane	8.253	56	61911	20.041	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64420	20.841	ug/l	92
36) 1,1-Dichloropropene	8.365	75	49840	20.861	ug/l	98
37) Ethyl Acetate	7.553	43	49720	20.937	ug/l	99
38) Carbon Tetrachloride	8.359	117	55847	21.445	ug/l	94
39) Methylcyclohexane	9.600	83	53626	21.633	ug/l	100
40) Benzene	8.606	78	154946	21.450	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 28 00:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	25636	21.079	ug/l		98
42) 1,2-Dichloroethane	8.665	62	57096	22.046	ug/l		98
43) Isopropyl Acetate	8.682	43	82570	21.117	ug/l		99
44) Trichloroethene	9.347	130	36092	21.104	ug/l		96
45) 1,2-Dichloropropane	9.618	63	39400	21.486	ug/l		93
46) Dibromomethane	9.706	93	26782	21.000	ug/l		98
47) Bromodichloromethane	9.882	83	55383	20.894	ug/l		93
48) Methyl methacrylate	9.677	41	36893	21.744	ug/l		98
49) 1,4-Dioxane	9.694	88	11804	461.104	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	241756	110.019	ug/l		100
52) Toluene	10.624	92	93343	21.702	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	55084	21.132	ug/l		94
54) cis-1,3-Dichloropropene	10.306	75	61217	21.718	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	33459	20.604	ug/l		96
56) Ethyl methacrylate	10.871	69	53114	22.458	ug/l		98
57) 1,3-Dichloropropane	11.159	76	61684	21.643	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	118474	103.539	ug/l		100
59) 2-Hexanone	11.194	43	170875	112.081	ug/l		100
60) Dibromochloromethane	11.359	129	39538	21.617	ug/l		98
61) 1,2-Dibromoethane	11.465	107	35034	21.807	ug/l		98
64) Tetrachloroethene	11.100	164	30849	21.718	ug/l		96
65) Chlorobenzene	11.888	112	101427	20.938	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35030	21.546	ug/l		97
67) Ethyl Benzene	11.959	91	174337	21.640	ug/l		100
68) m/p-Xylenes	12.065	106	132648	44.993	ug/l		100
69) o-Xylene	12.394	106	63003	22.091	ug/l		95
70) Styrene	12.406	104	105054	22.728	ug/l		99
71) Bromoform	12.570	173	24644	21.885	ug/l	#	98
73) Isopropylbenzene	12.694	105	160752	22.153	ug/l		98
74) N-amyl acetate	12.488	43	69938	22.517	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	48294	20.897	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	63710	21.731	ug/l		59
77) Bromobenzene	12.976	156	37077	20.623	ug/l		98
78) n-propylbenzene	13.029	91	188143	22.243	ug/l		99
79) 2-Chlorotoluene	13.123	91	117169	22.010	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132546	22.582	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16798	20.972	ug/l		99
82) 4-Chlorotoluene	13.217	91	117825	21.976	ug/l		97
83) tert-Butylbenzene	13.435	119	111983	22.025	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	135046	23.107	ug/l		99
85) sec-Butylbenzene	13.612	105	155451	22.026	ug/l		98
86) p-Isopropyltoluene	13.723	119	130425	22.951	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	69890	21.444	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	70759	21.135	ug/l		99
89) n-Butylbenzene	14.053	91	113729	22.006	ug/l		99
90) Hexachloroethane	14.329	117	24441	21.128	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	67480	21.735	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	9030	21.954	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	33300	21.491	ug/l		99
94) Hexachlorobutadiene	15.500	225	16152	20.980	ug/l		97
95) Naphthalene	15.635	128	111233	21.170	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	32729	21.140	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 28 00:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

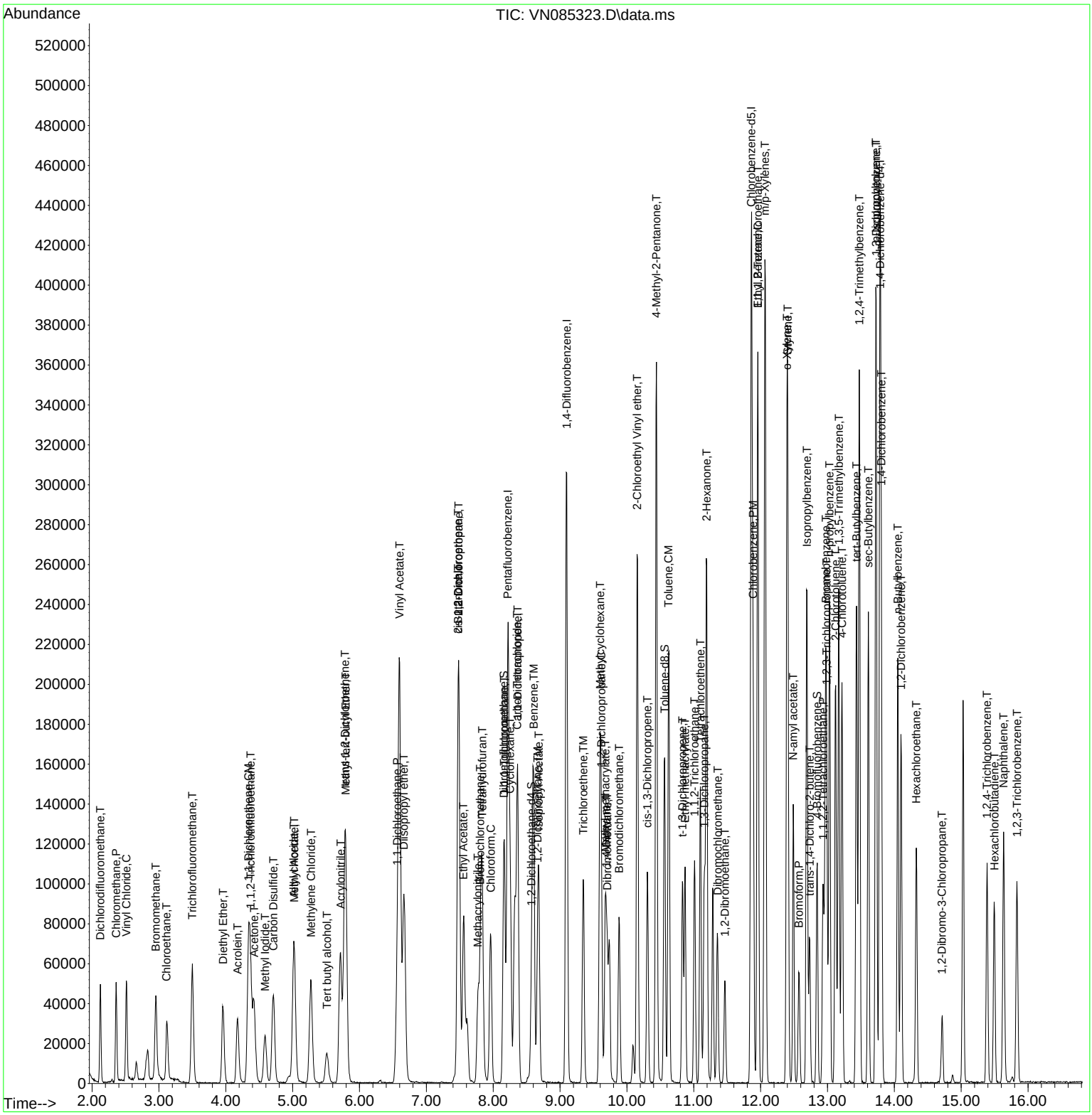
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

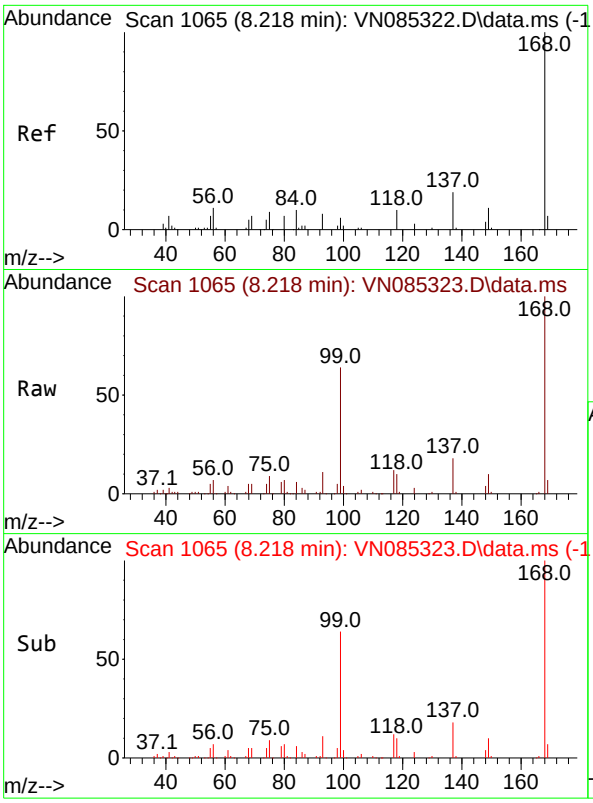
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 28 00:07:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



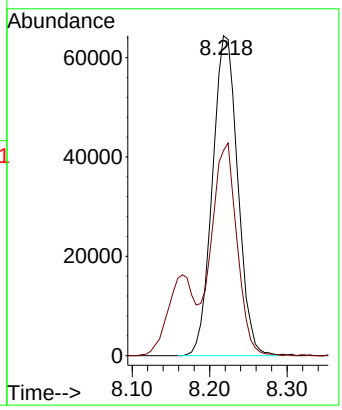


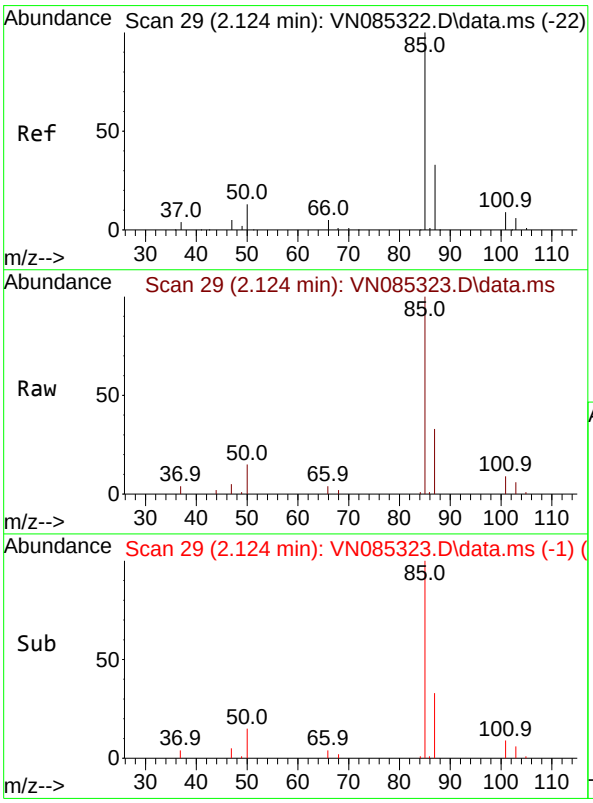
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 146535

Ion	Ratio	Lower	Upper
168	100		
99	63.8	51.0	76.4

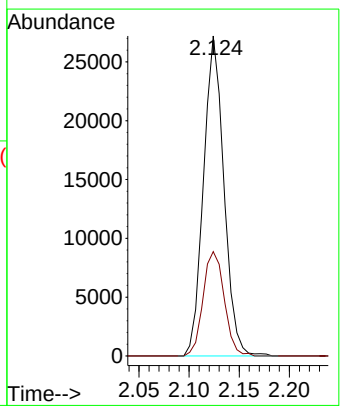


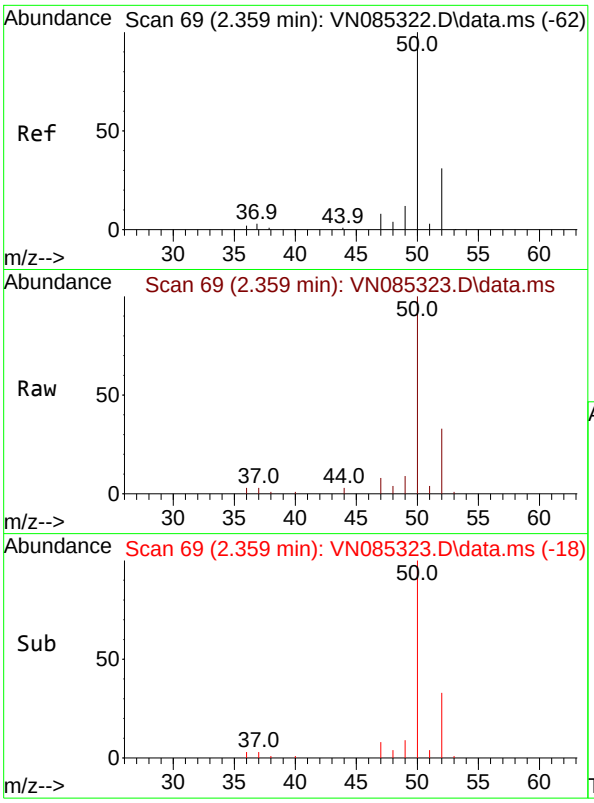


#2
Dichlorodifluoromethane
Concen: 19.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 85 Resp: 38592

Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.8	50.3



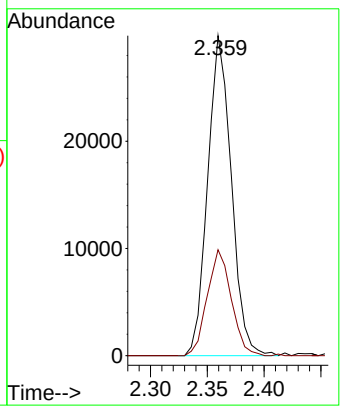


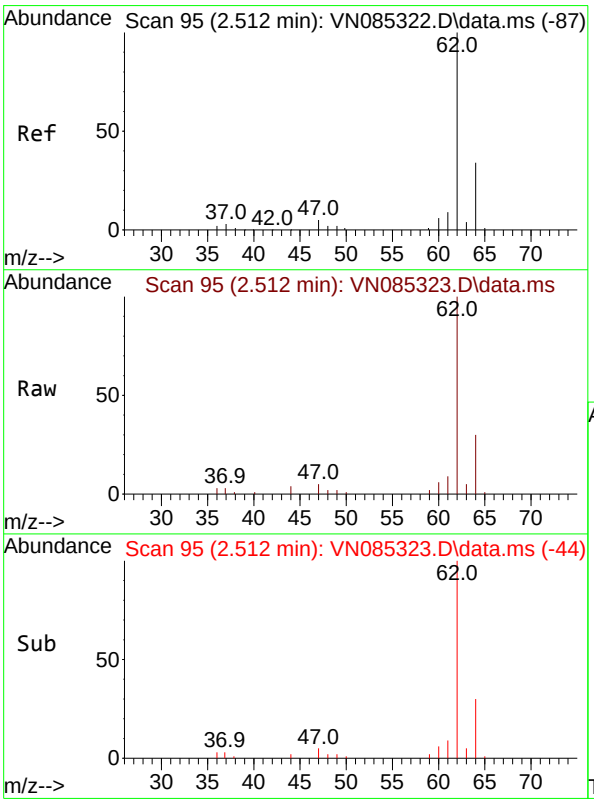
#3
Chloromethane
Concen: 19.403 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 43217

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.1	37.7

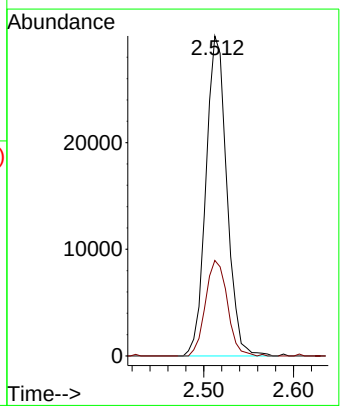


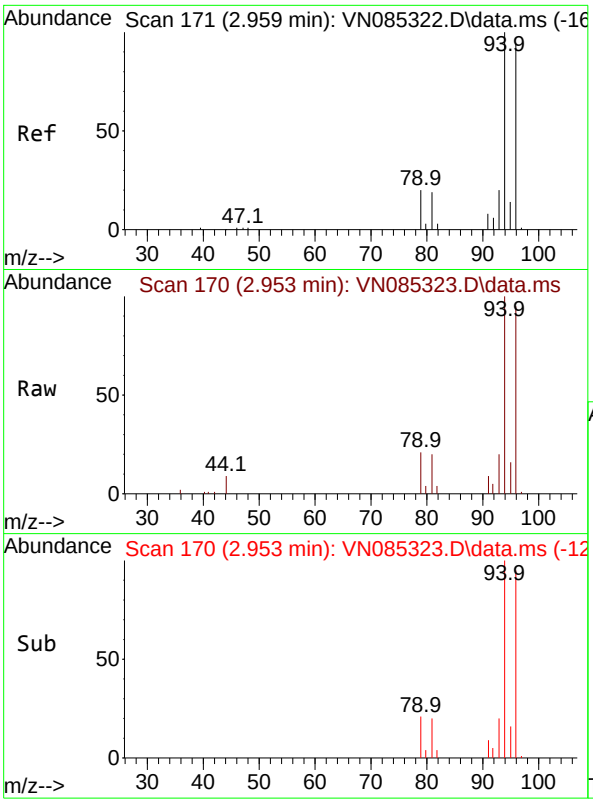


#4
Vinyl Chloride
Concen: 20.583 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 62 Resp: 48485

Ion	Ratio	Lower	Upper
62	100		
64	29.9	27.0	40.6



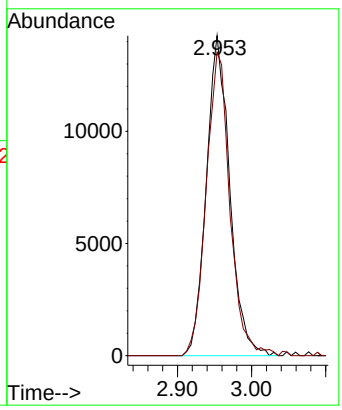


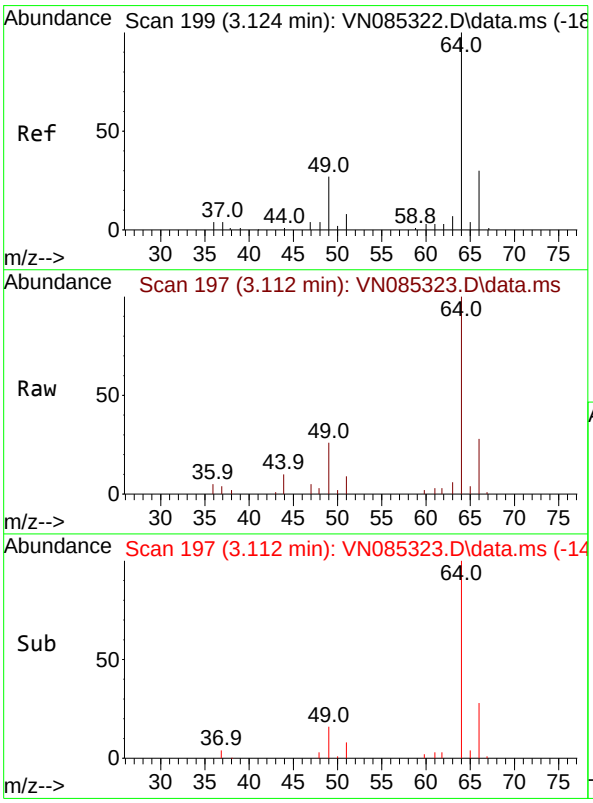
#5
Bromomethane
Concen: 20.345 ug/l
RT: 2.953 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 31343

Ion	Ratio	Lower	Upper
94	100		
96	94.9	75.2	112.8

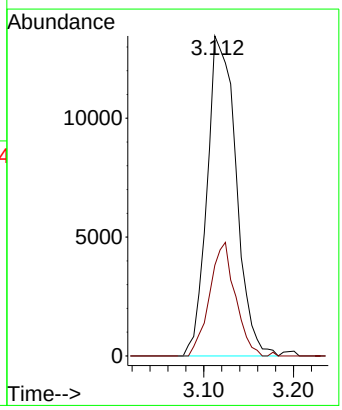


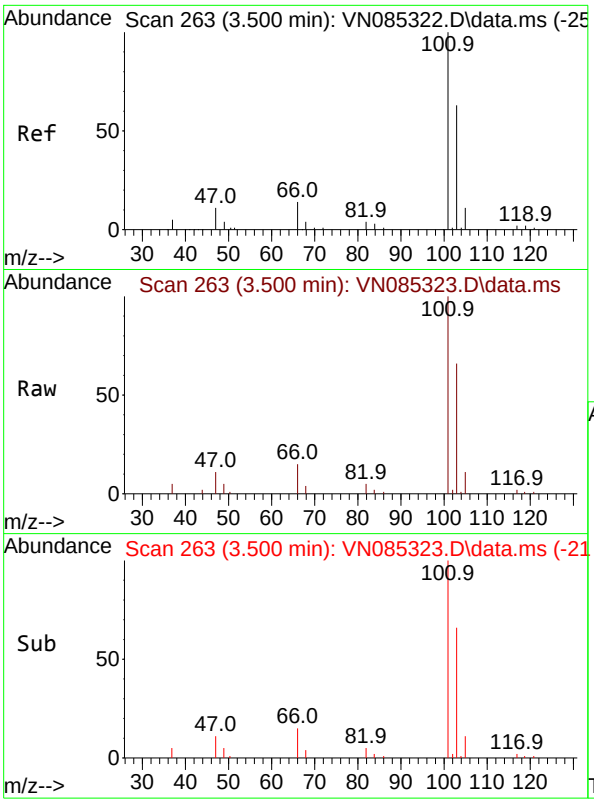


#6
Chloroethane
Concen: 20.188 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 64 Resp: 30158

Ion	Ratio	Lower	Upper
64	100		
66	28.4	24.1	36.1



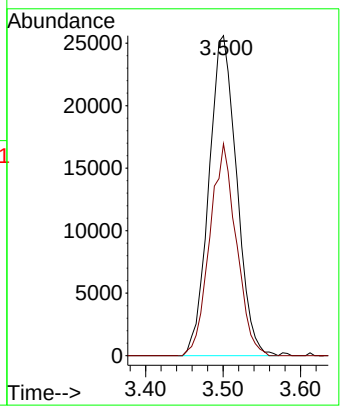


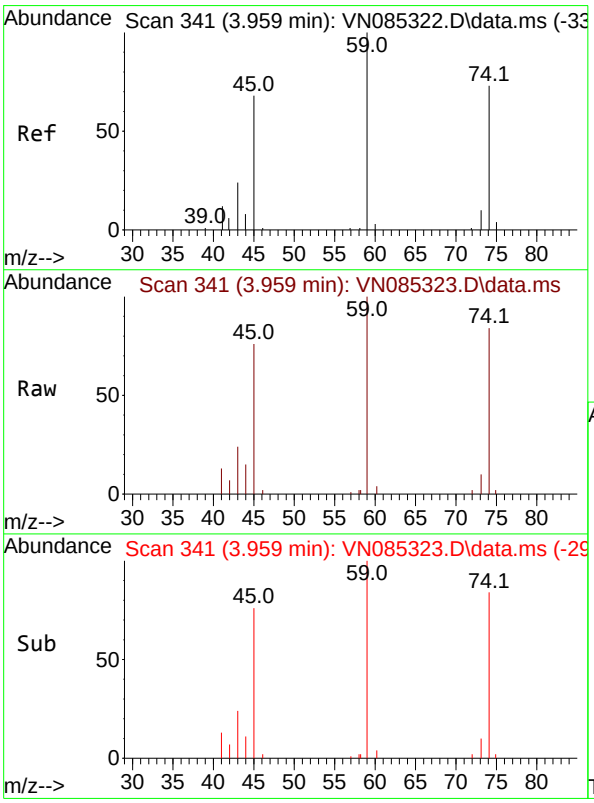
#7
Trichlorofluoromethane
Concen: 20.607 ug/l
RT: 3.500 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 63811

Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.3	75.5

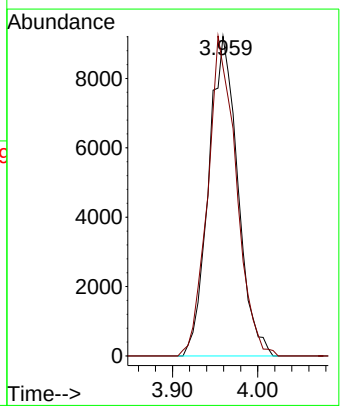


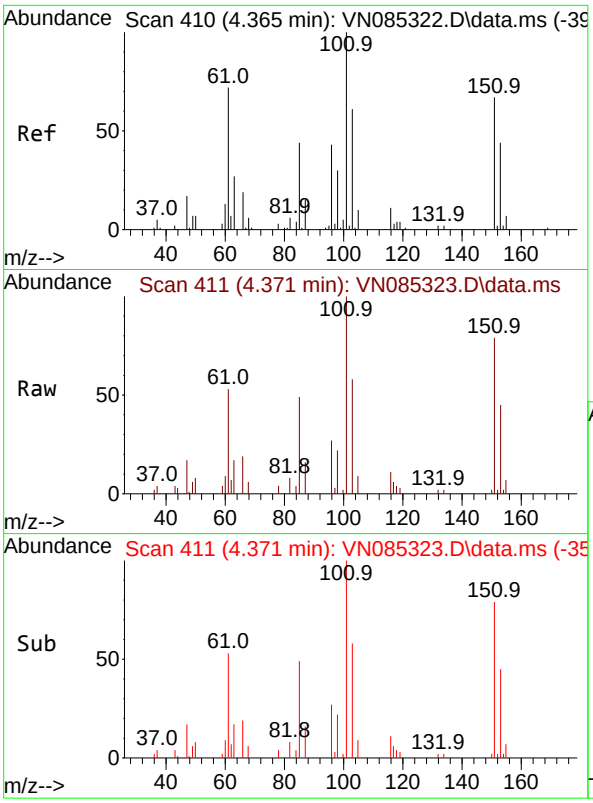


#8
Diethyl Ether
Concen: 21.325 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 74 Resp: 21865

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.6



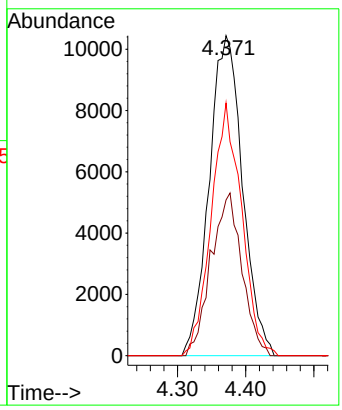


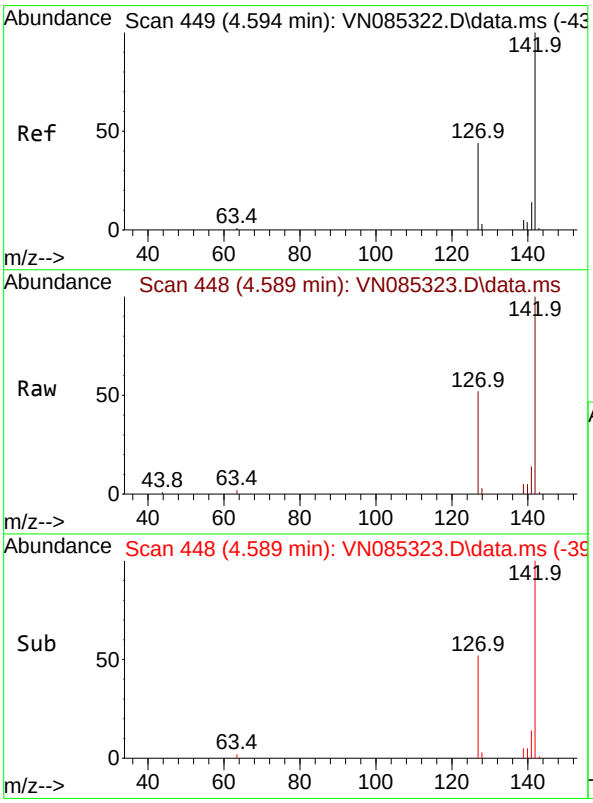
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.138 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 35482

Ion	Ratio	Lower	Upper
101	100		
85	47.2	36.2	54.4
151	72.0	55.8	83.6

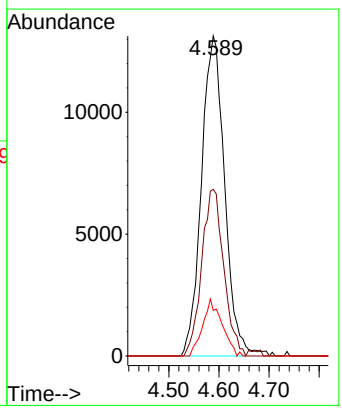


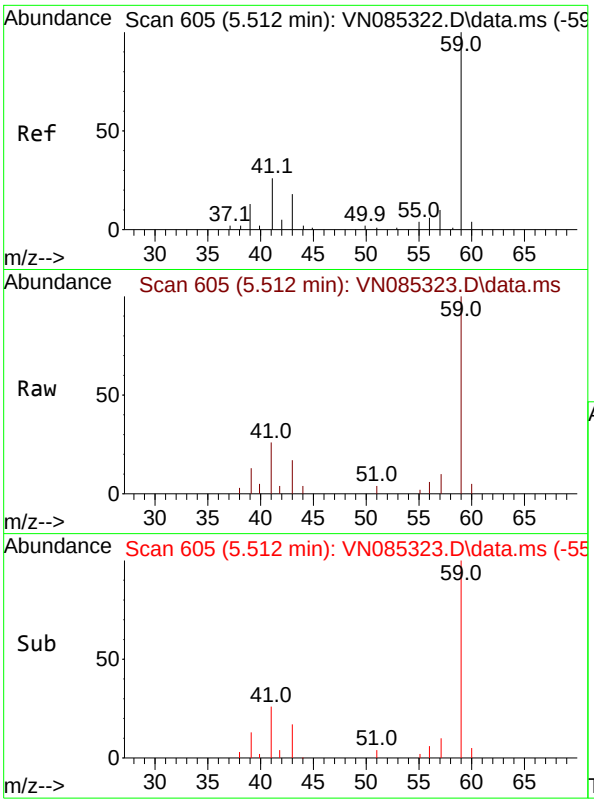


#10
Methyl Iodide
Concen: 20.755 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:142 Resp: 42319

Ion	Ratio	Lower	Upper
142	100		
127	52.1	35.3	52.9
141	14.2	11.5	17.3



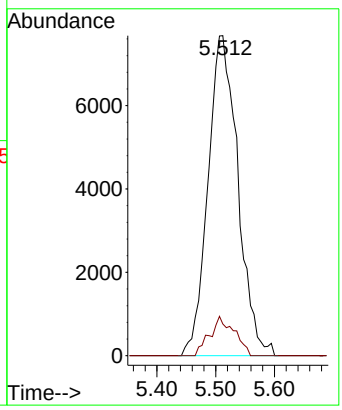


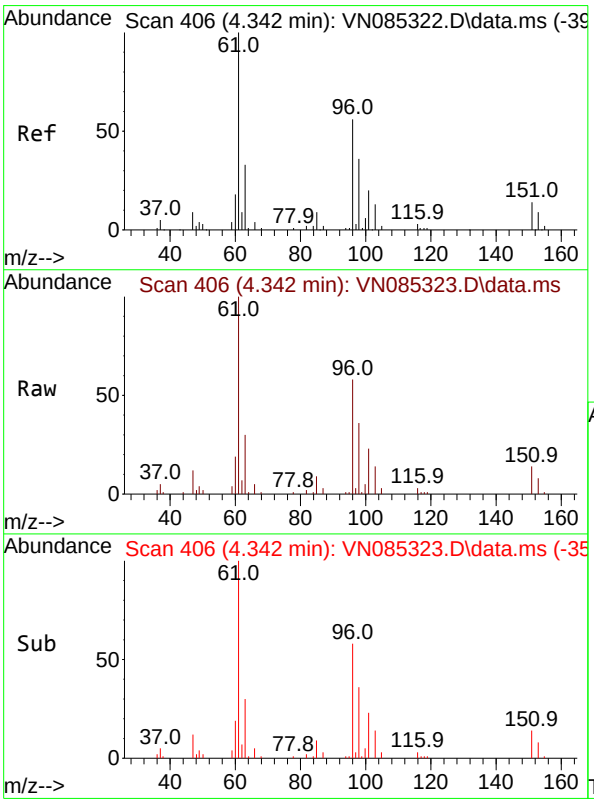
#11
Tert butyl alcohol
Concen: 103.637 ug/l
RT: 5.512 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 27123

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

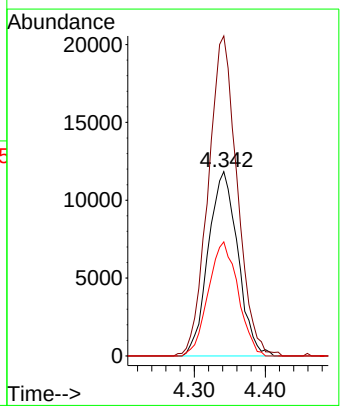


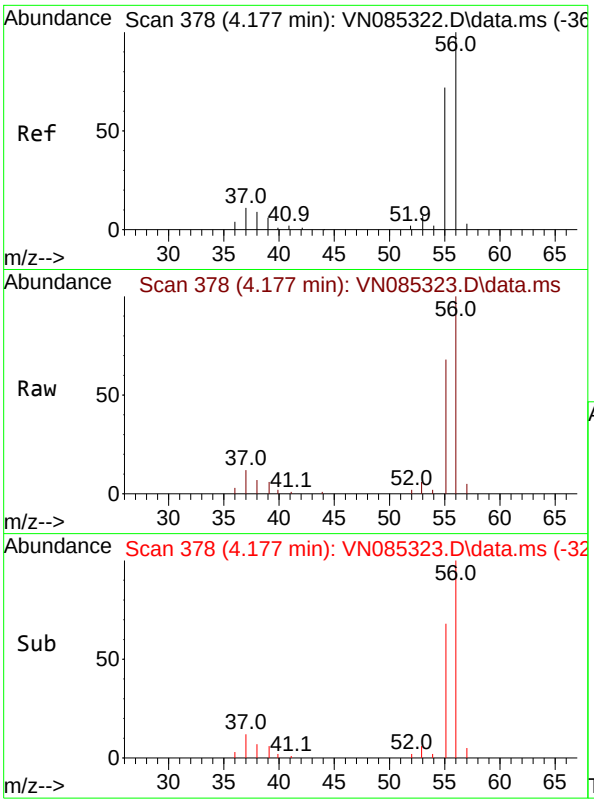


#12
1,1-Dichloroethene
Concen: 21.007 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 96 Resp: 34208

Ion	Ratio	Lower	Upper
96	100		
61	172.3	142.4	213.6
98	61.9	51.5	77.3



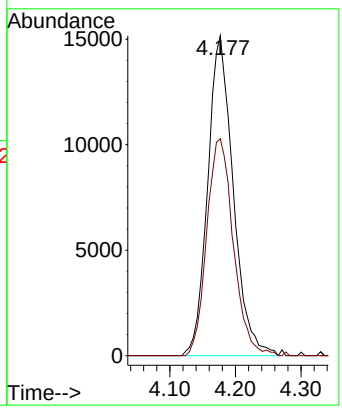


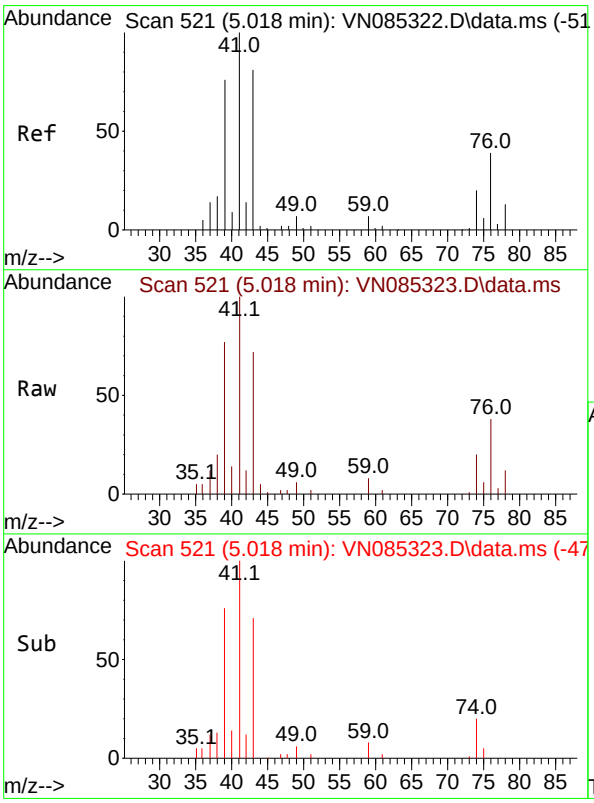
#13
Acrolein
Concen: 100.376 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 40956

Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.5	86.3

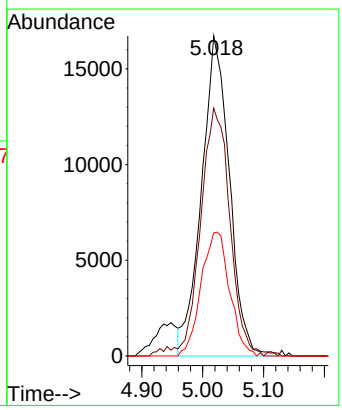


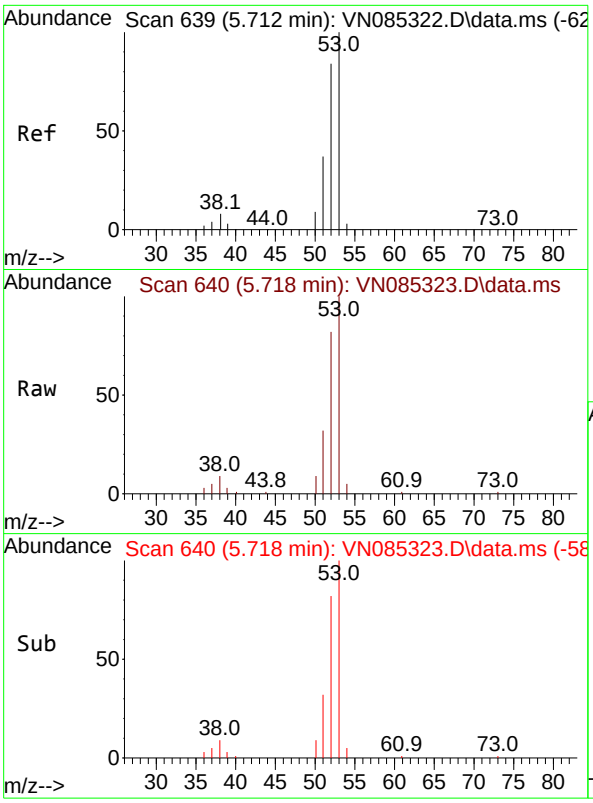


#14
Allyl chloride
Concen: 20.438 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 41 Resp: 53265

Ion	Ratio	Lower	Upper
41	100		
39	80.0	64.4	96.6
76	39.6	31.5	47.3



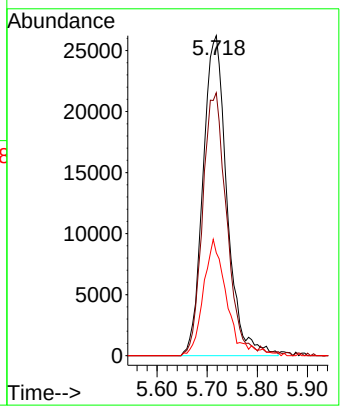


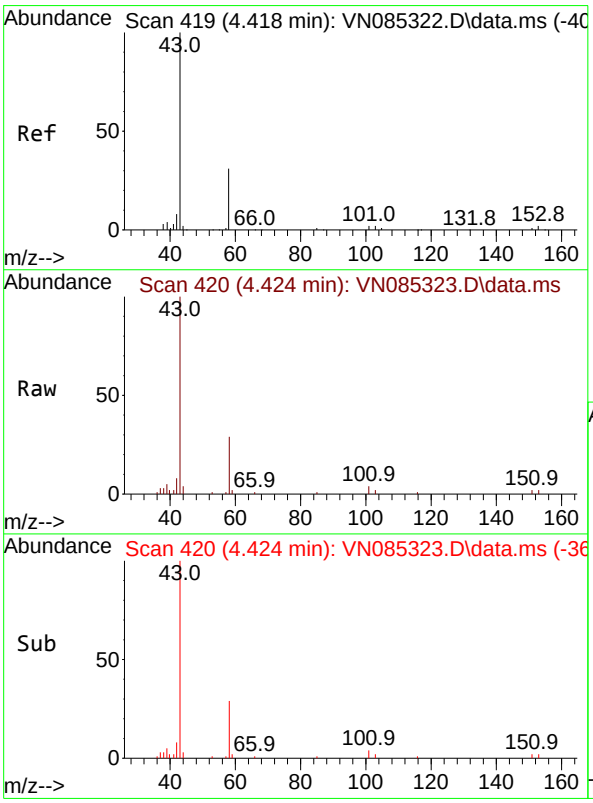
#15
Acrylonitrile
Concen: 105.884 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 87221

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	100.0
51	35.9	29.6	44.4

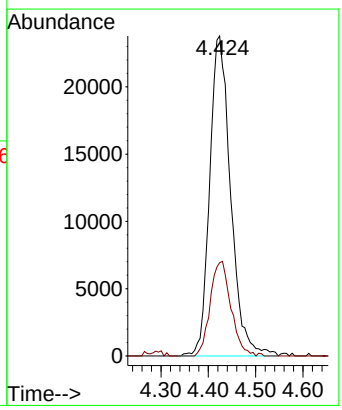


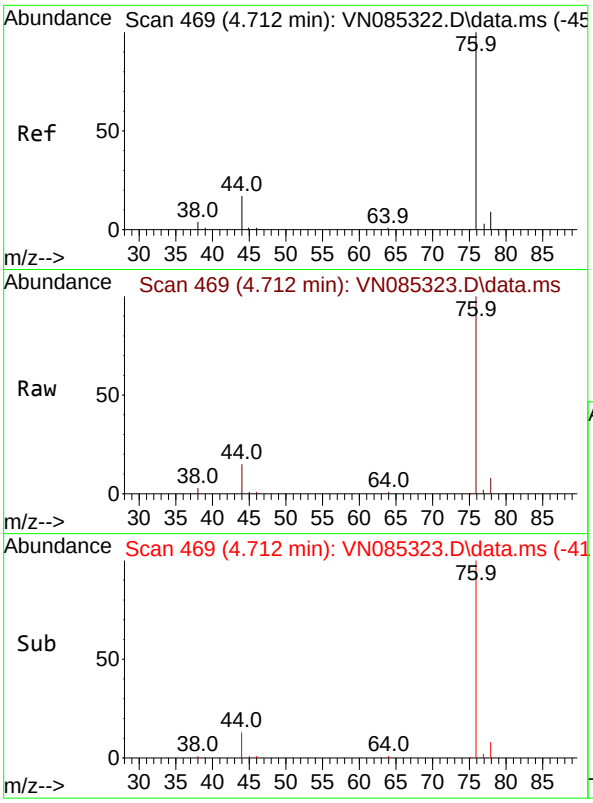


#16
Acetone
Concen: 106.449 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 73157

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.5	36.7



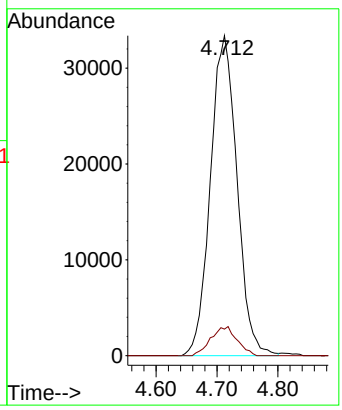


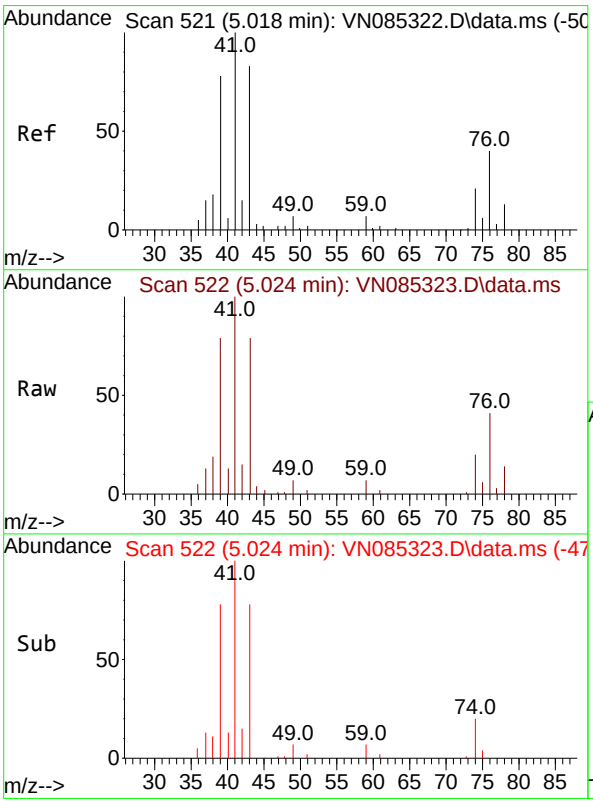
#17
Carbon Disulfide
Concen: 20.471 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 101412

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8

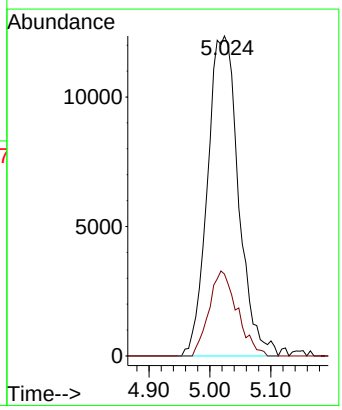


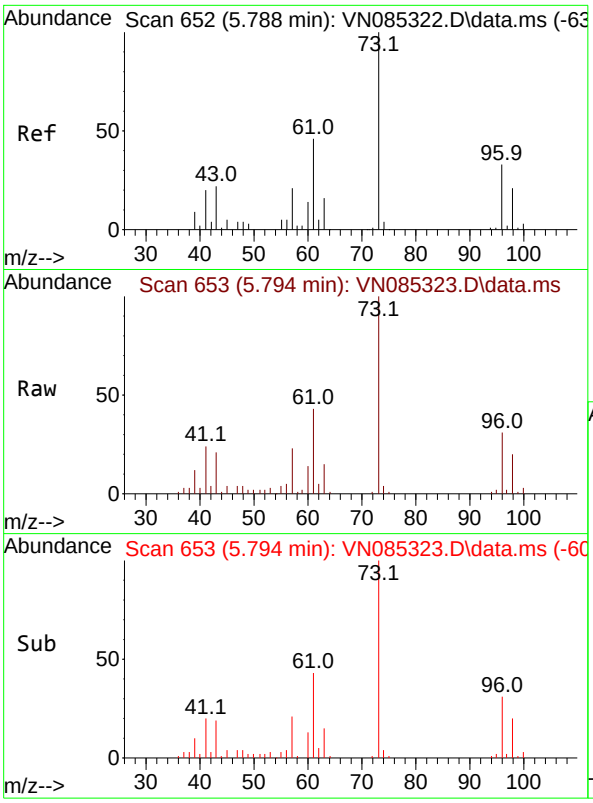


#18
Methyl Acetate
Concen: 20.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 43744

Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.0	28.6



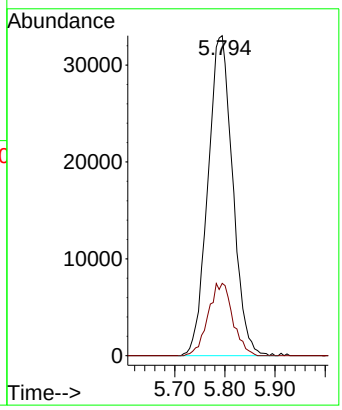


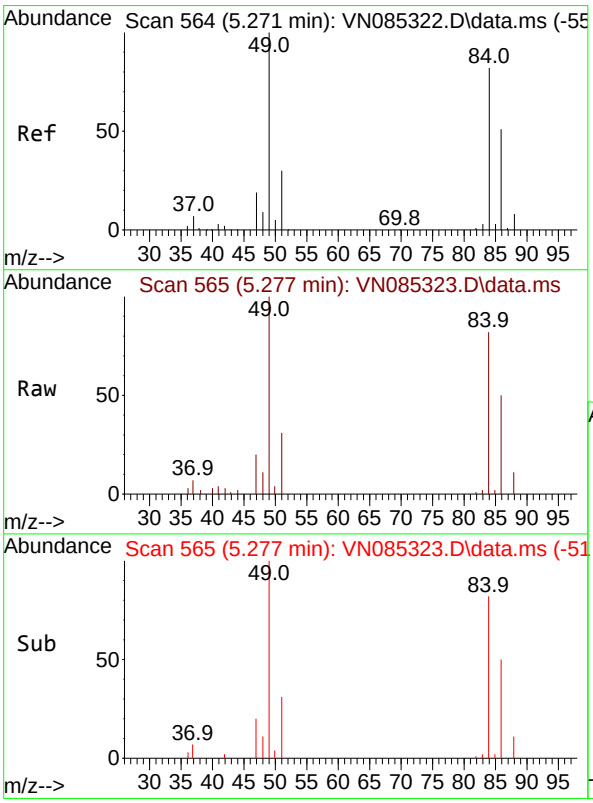
#19
Methyl tert-butyl Ether
Concen: 21.420 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 113371

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.0	25.6

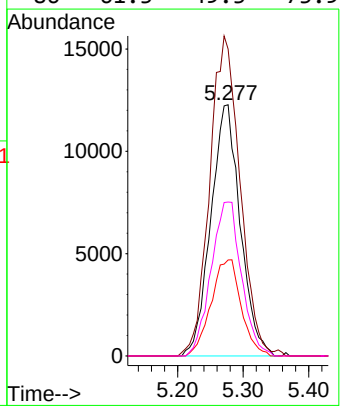


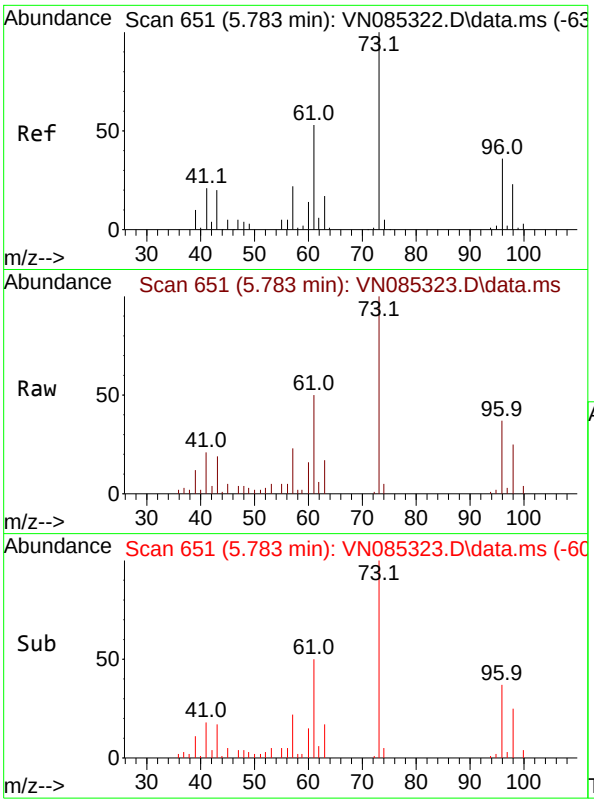


#20
Methylene Chloride
Concen: 20.711 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 84 Resp: 38285

Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.6	146.4
51	38.2	29.1	43.7
86	61.3	49.3	73.9



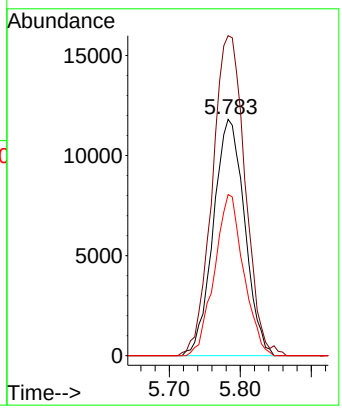


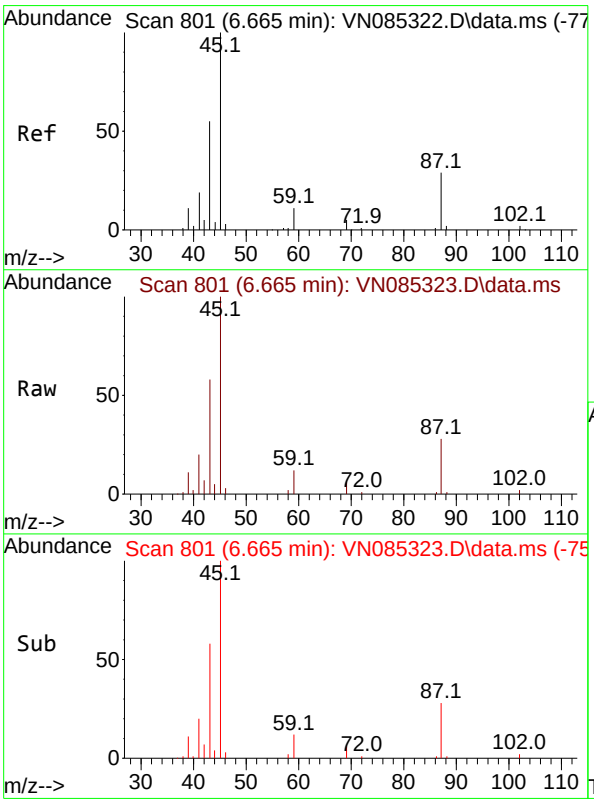
#21
trans-1,2-Dichloroethene
Concen: 21.286 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 36209

Ion	Ratio	Lower	Upper
96	100		
61	135.4	118.0	177.0
98	68.2	50.6	75.8

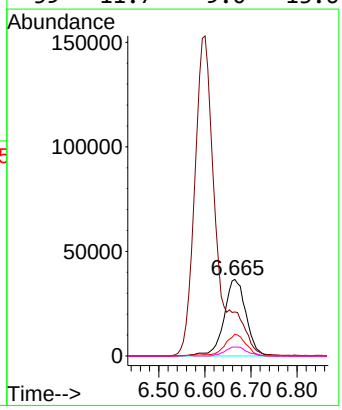


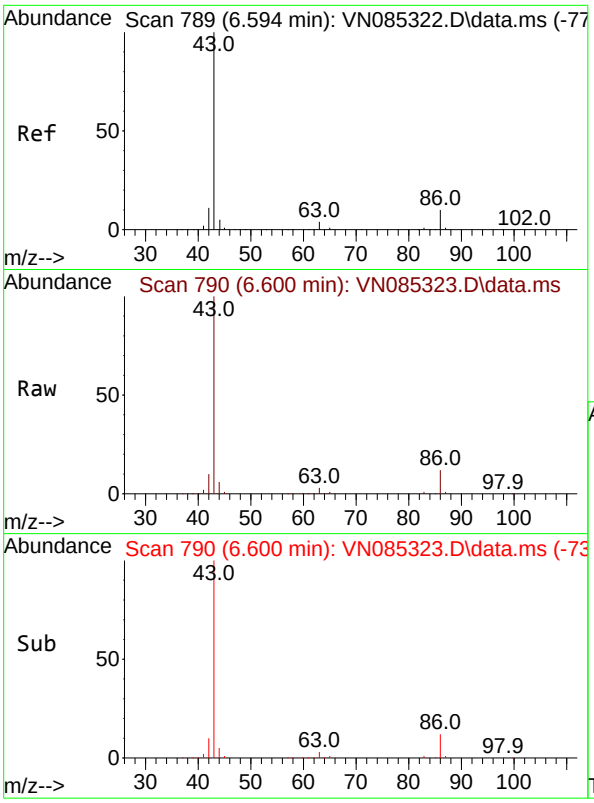


#22
Diisopropyl ether
Concen: 21.523 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 45 Resp: 120874

Ion	Ratio	Lower	Upper
45	100		
43	56.3	44.1	66.1
87	28.3	23.2	34.8
59	11.7	9.0	13.6



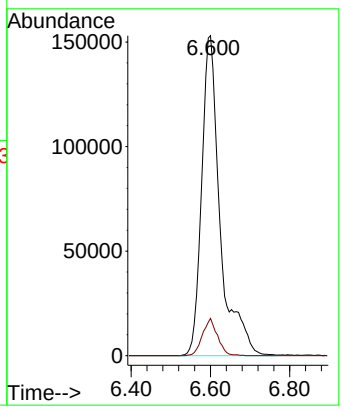


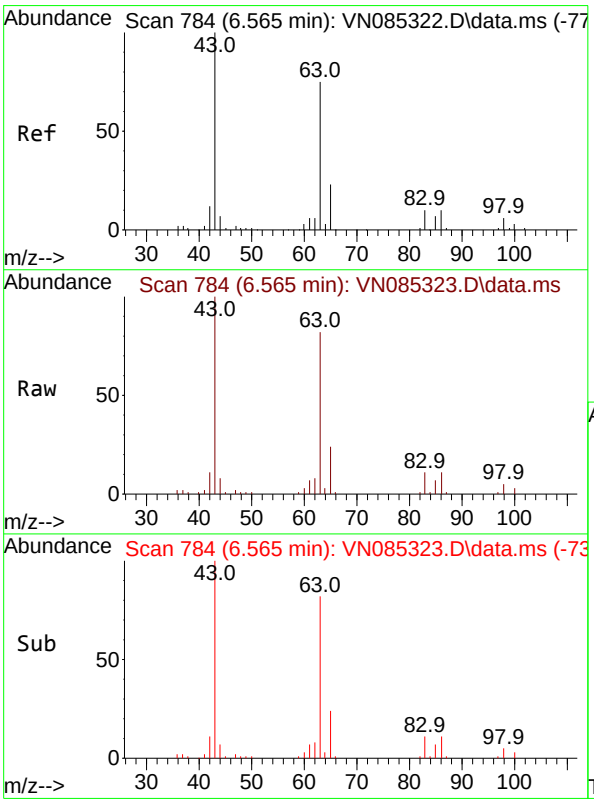
#23
Vinyl Acetate
Concen: 116.723 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 495919

Ion	Ratio	Lower	Upper
43	100		
86	11.6	8.0	12.0

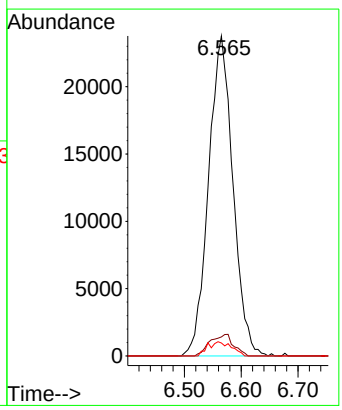


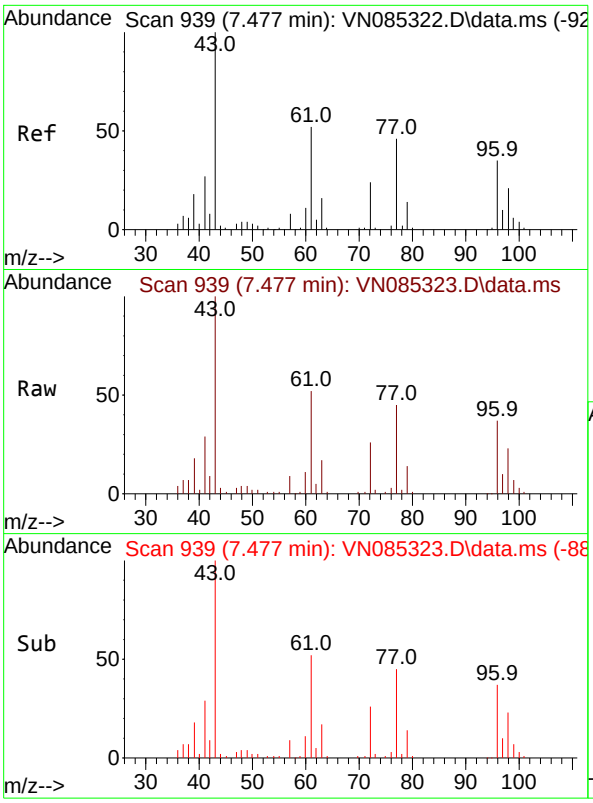


#24
1,1-Dichloroethane
Concen: 20.952 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 63 Resp: 70880

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.7	11.1
100	4.1	2.3	6.8



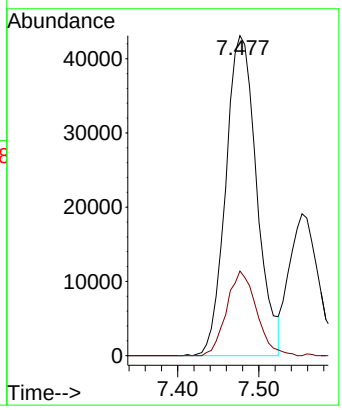


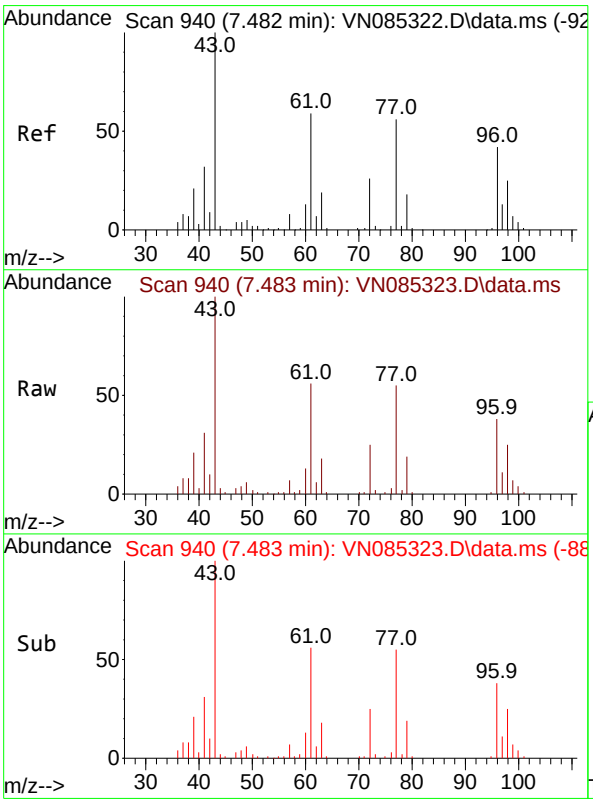
#25
2-Butanone
Concen: 107.133 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114225

Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.6	29.4

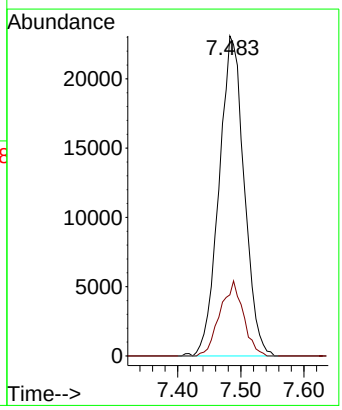


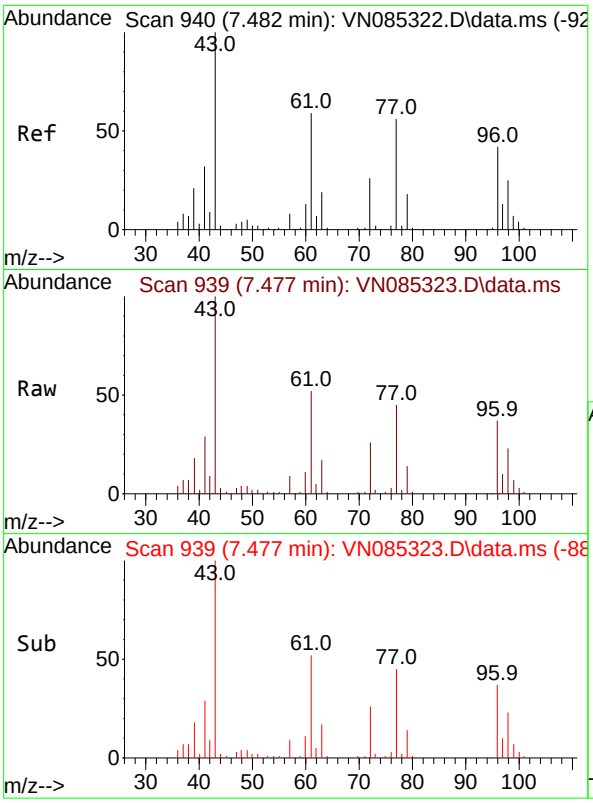


#26
2,2-Dichloropropane
Concen: 21.532 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 77 Resp: 63819

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.6	31.8



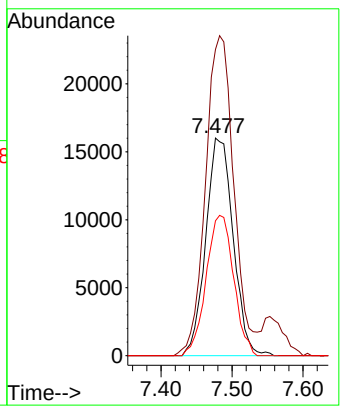


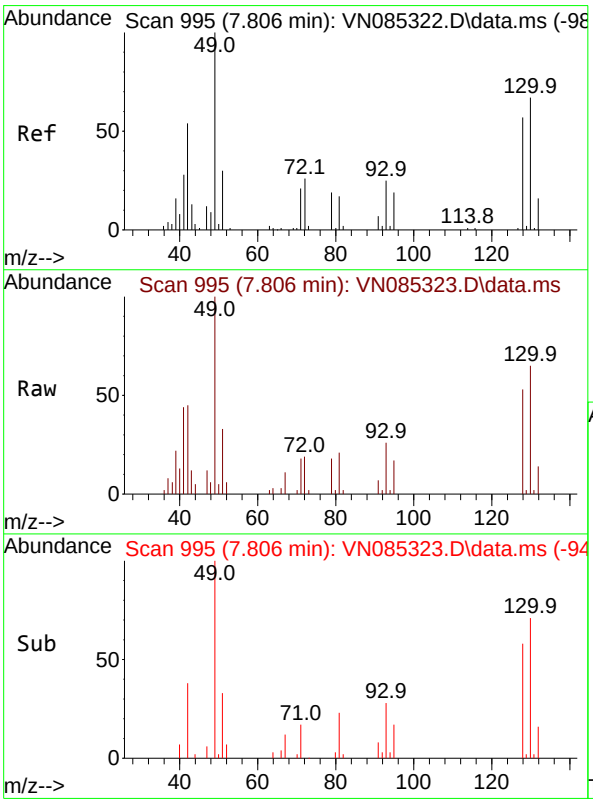
#27
cis-1,2-Dichloroethene
Concen: 21.466 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 42857

Ion	Ratio	Lower	Upper
96	100		
61	152.1	0.0	296.4
98	64.8	0.0	124.2

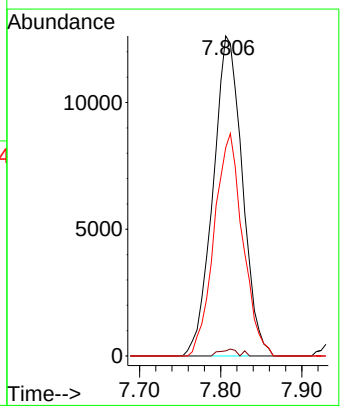


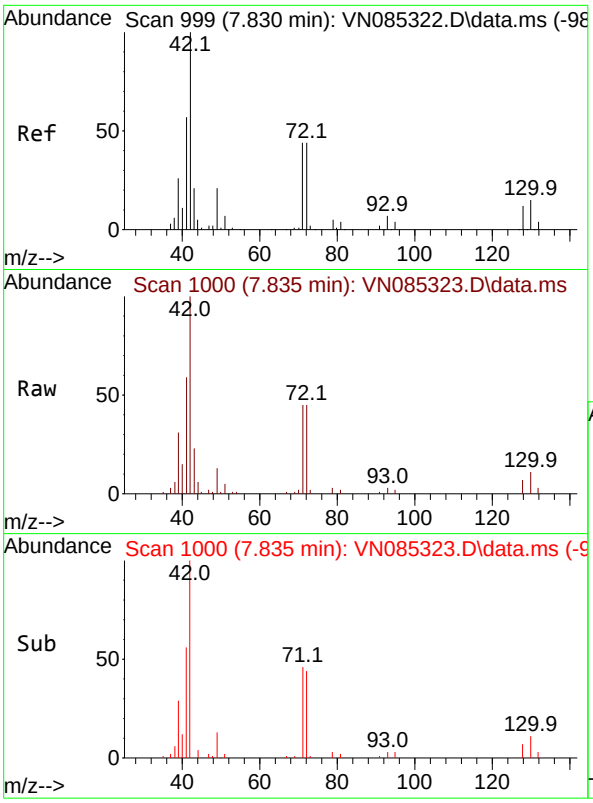


#28
Bromochloromethane
Concen: 20.120 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 49 Resp: 31632

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.0
130	68.1	0.0	0.0#



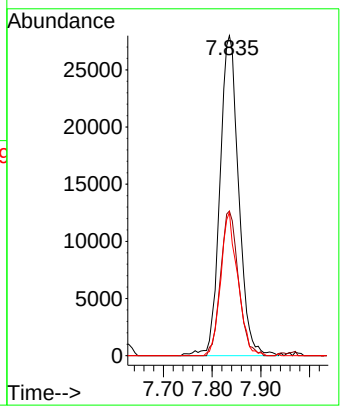


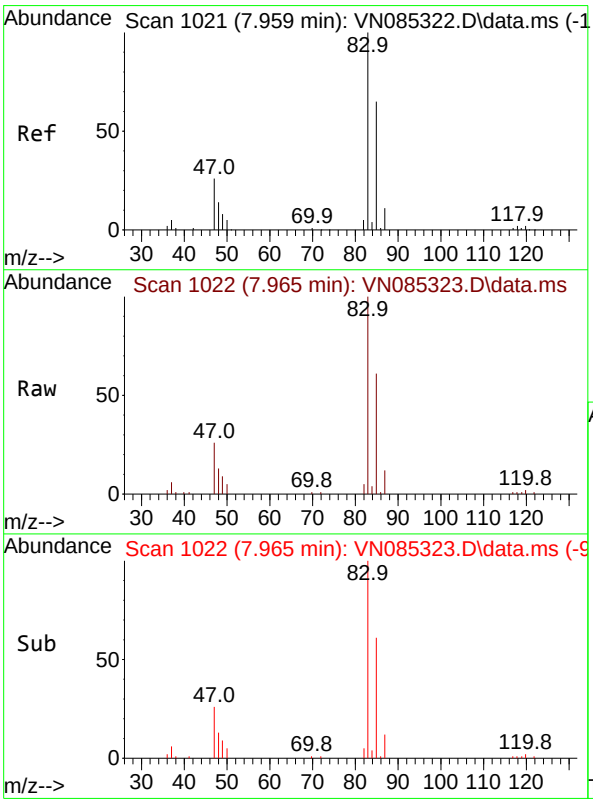
#29
Tetrahydrofuran
Concen: 108.966 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 74837

Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.1	52.7
71	40.8	33.4	50.0

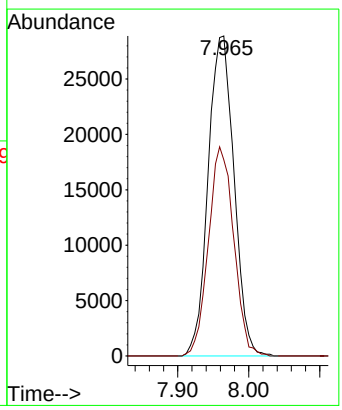


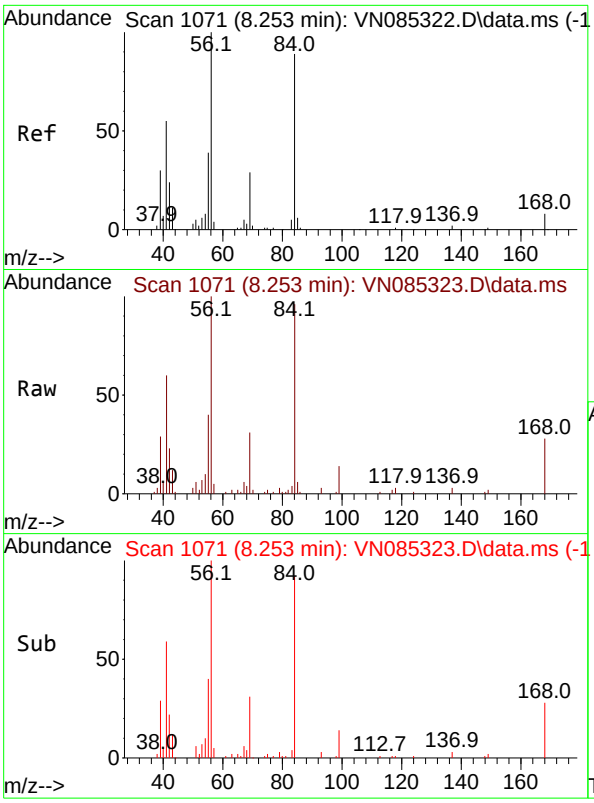


#30
Chloroform
Concen: 21.061 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 83 Resp: 72892

Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.0	78.0



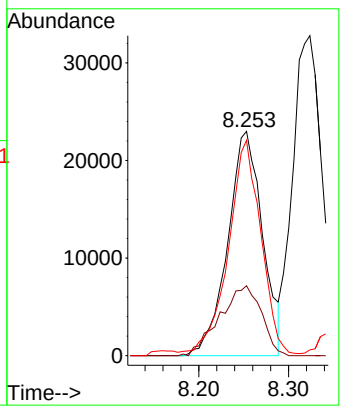


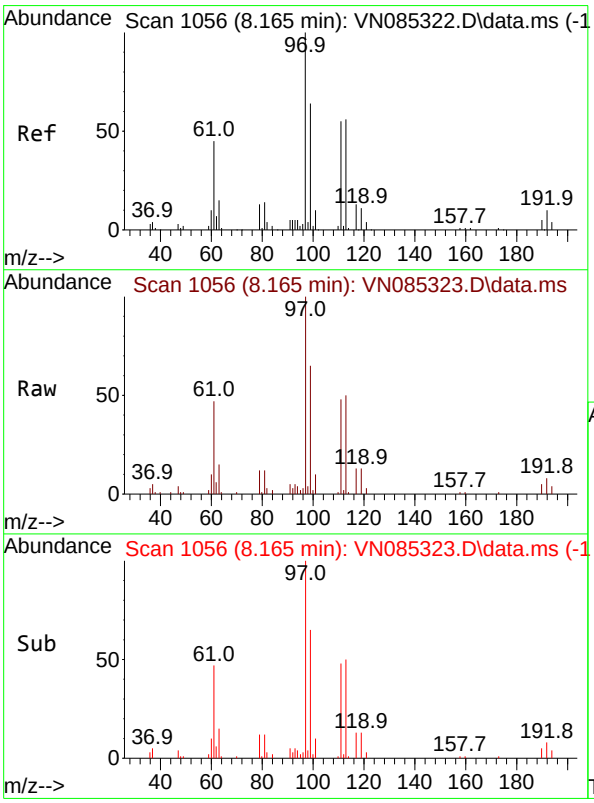
#31
Cyclohexane
Concen: 20.041 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 61911

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.0
84	94.5	71.0	106.6

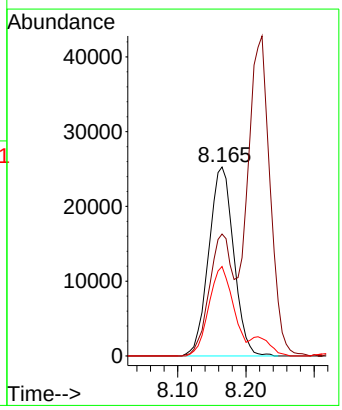


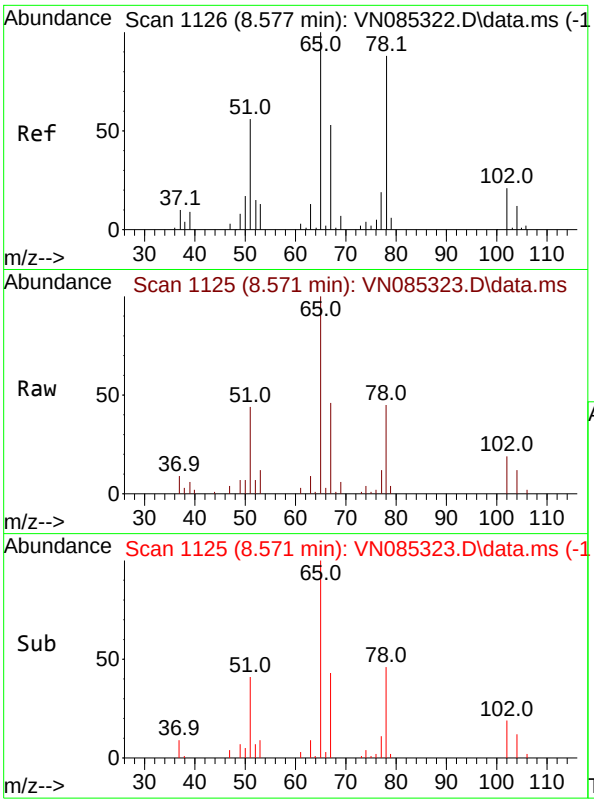


#32
1,1,1-Trichloroethane
Concen: 20.841 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 97 Resp: 64420

Ion	Ratio	Lower	Upper
97	100		
99	58.1	53.3	79.9
61	46.6	39.6	59.4



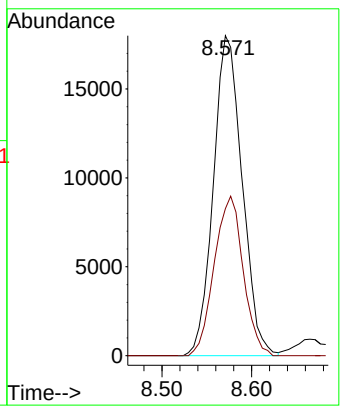


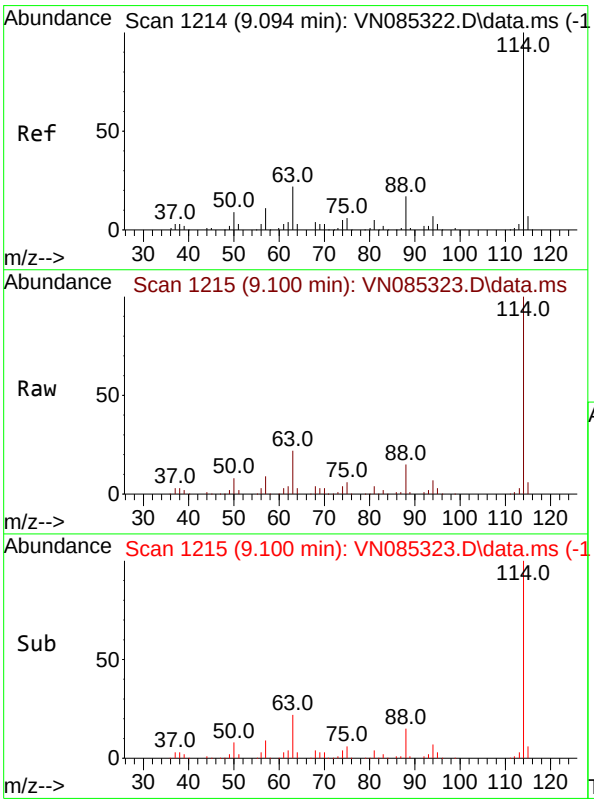
#33
1,2-Dichloroethane-d4
Concen: 19.182 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 40091

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.0

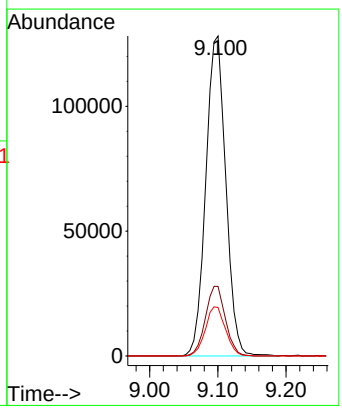


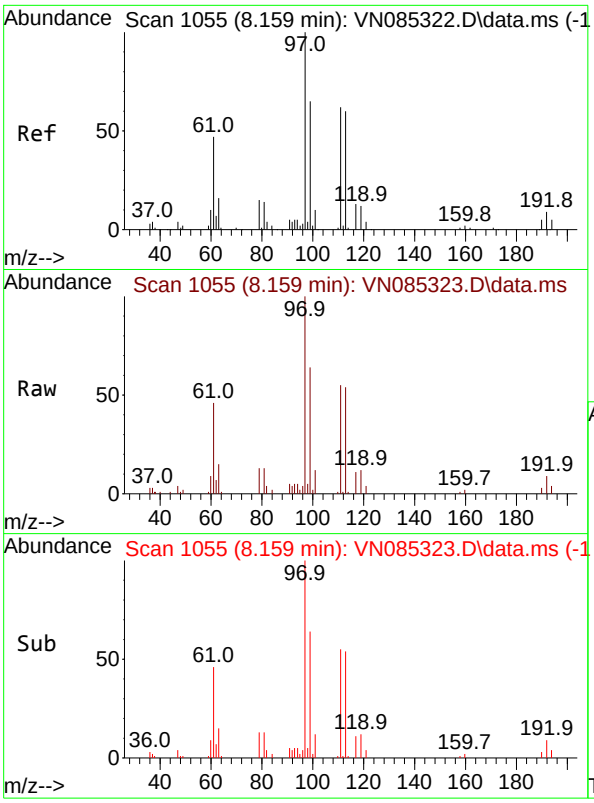


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:114 Resp: 261564

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	15.1	0.0	33.6



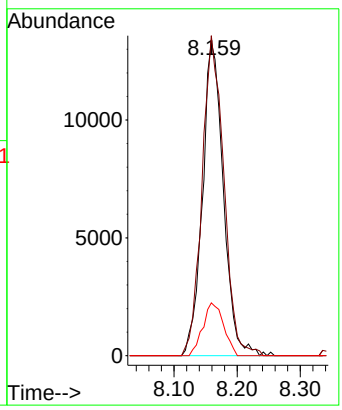


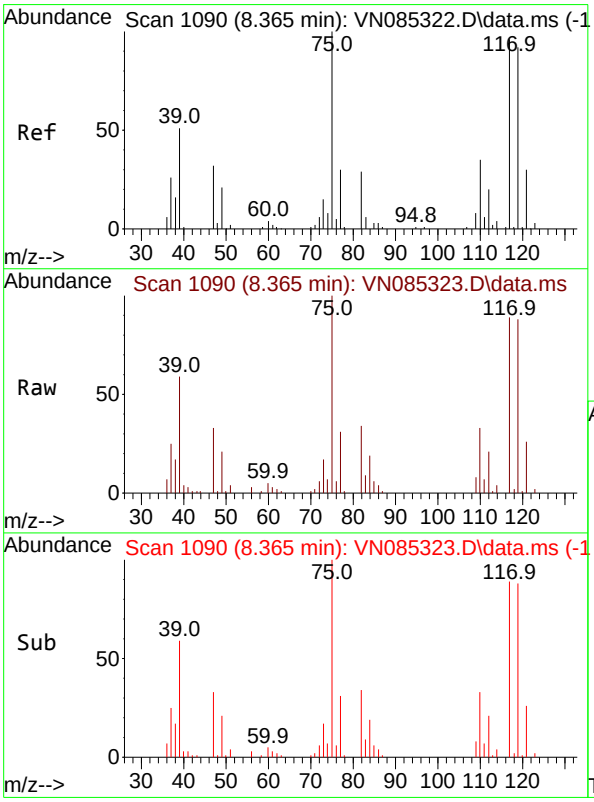
#35
Dibromofluoromethane
Concen: 18.810 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 30693

Ion	Ratio	Lower	Upper
113	100		
111	105.6	80.5	120.7
192	16.7	12.9	19.3

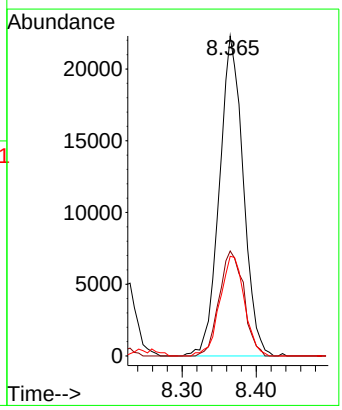


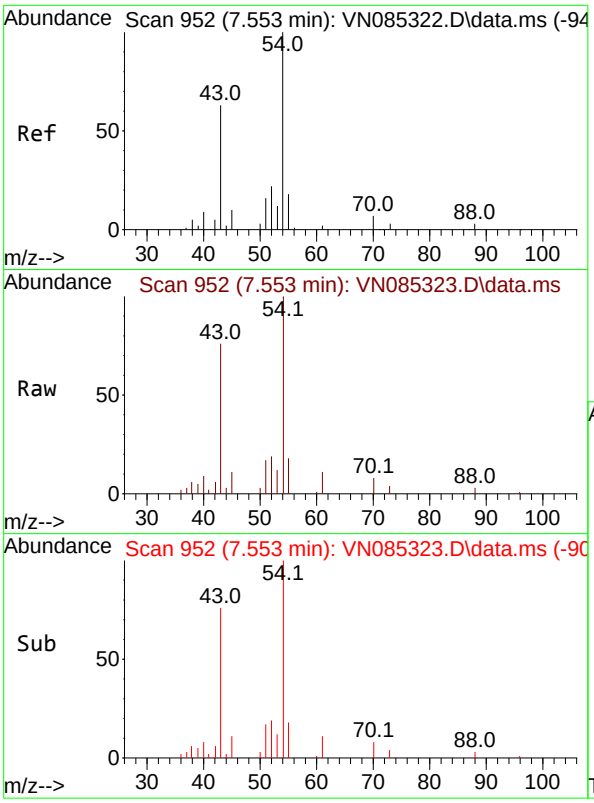


#36
1,1-Dichloropropene
Concen: 20.861 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 49840

Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.6	49.8
77	32.1	24.3	36.5



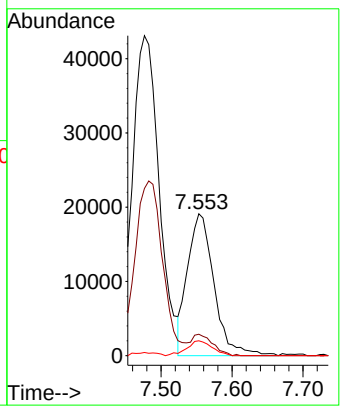


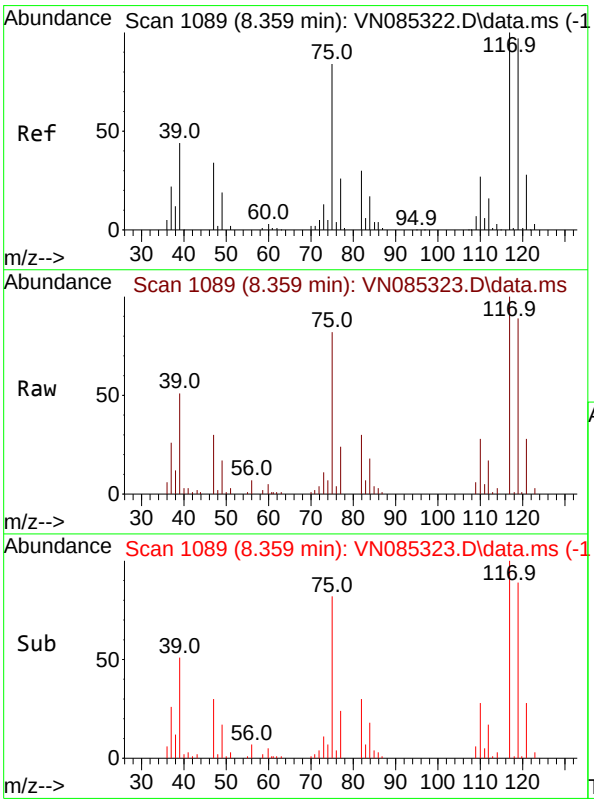
#37
Ethyl Acetate
Concen: 20.937 ug/l
RT: 7.553 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 49720

Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	10.0	8.2	12.2

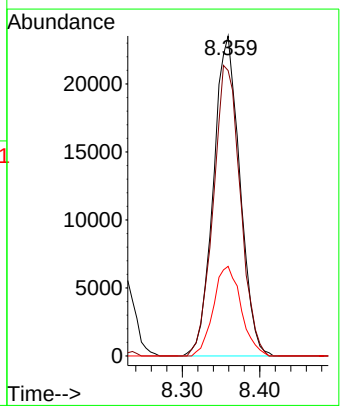


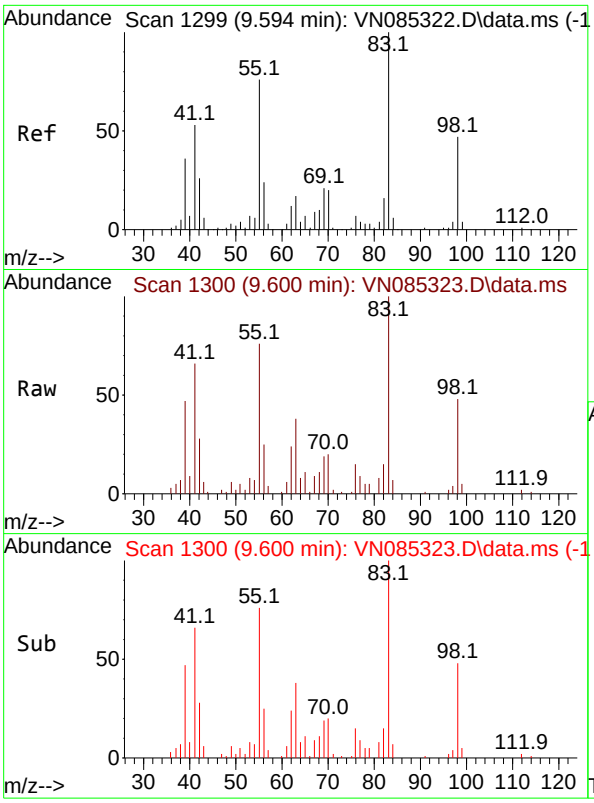


#38
Carbon Tetrachloride
Concen: 21.445 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:117 Resp: 55847

Ion	Ratio	Lower	Upper
117	100		
119	89.2	77.8	116.6
121	28.0	22.5	33.7



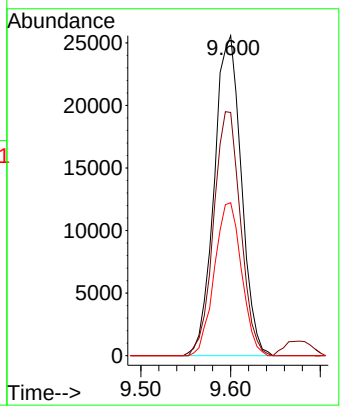


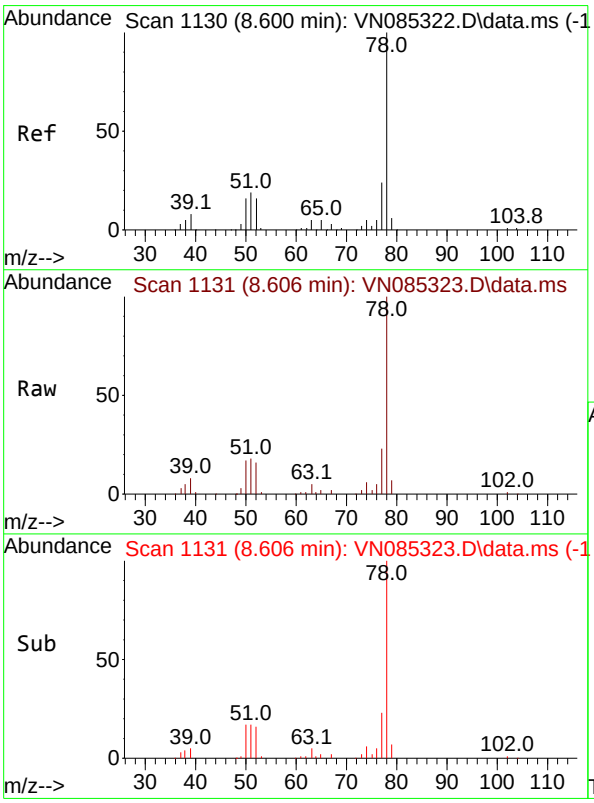
#39
Methylcyclohexane
Concen: 21.633 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 53626

Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.7	91.1
98	47.8	37.7	56.5

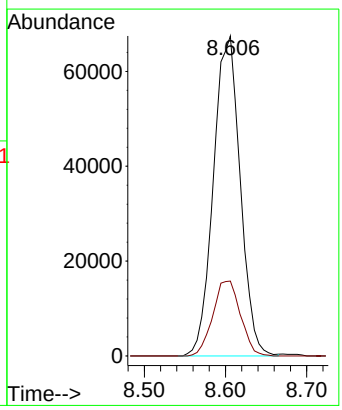


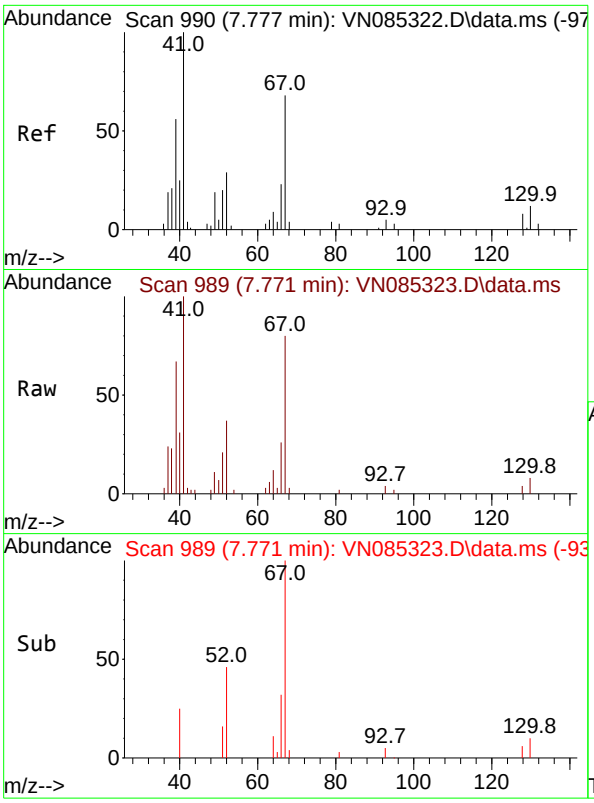


#40
Benzene
Concen: 21.450 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 78 Resp: 154946

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4



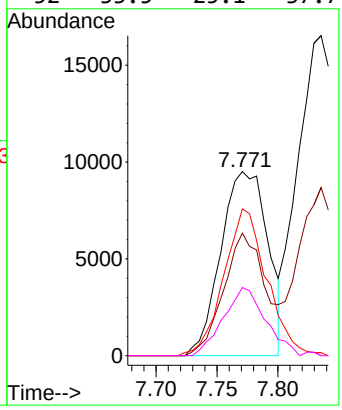


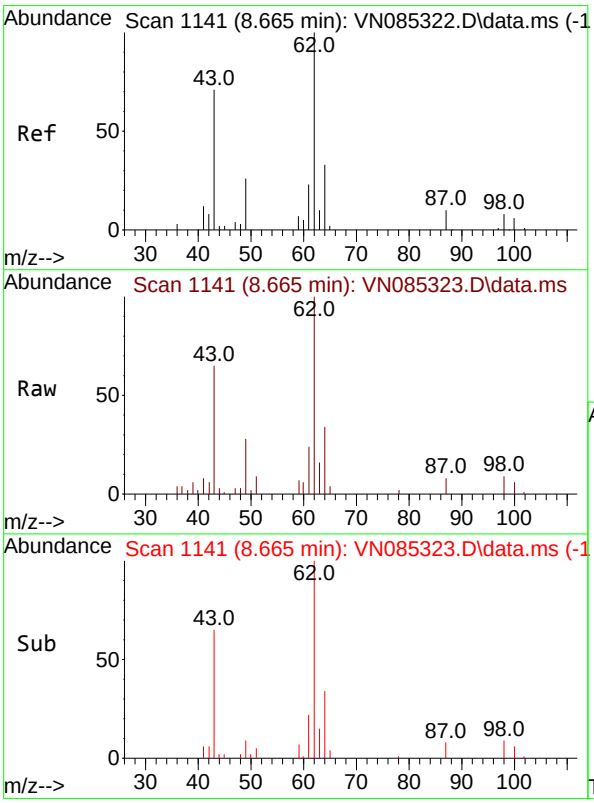
#41
Methacrylonitrile
Concen: 21.079 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 25636

Ion	Ratio	Lower	Upper
41	100		
39	58.5	45.8	68.8
67	72.8	57.1	85.7
52	33.5	25.1	37.7

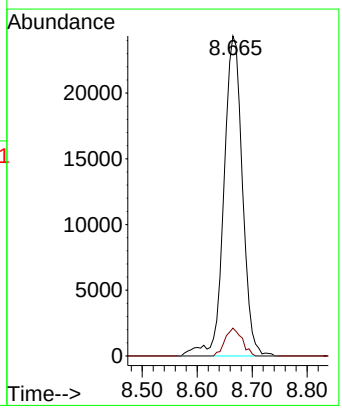


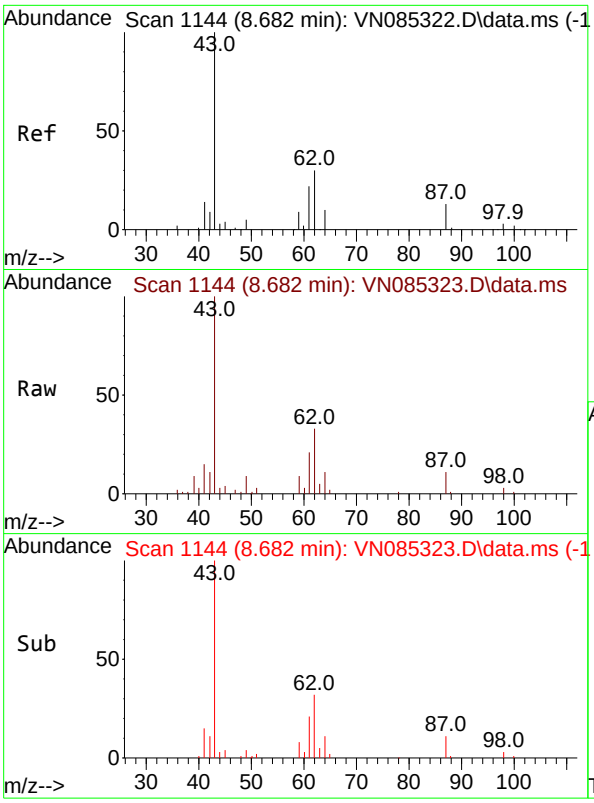


#42
1,2-Dichloroethane
Concen: 22.046 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 62 Resp: 57096

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.6



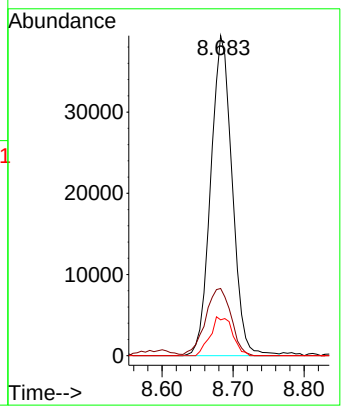


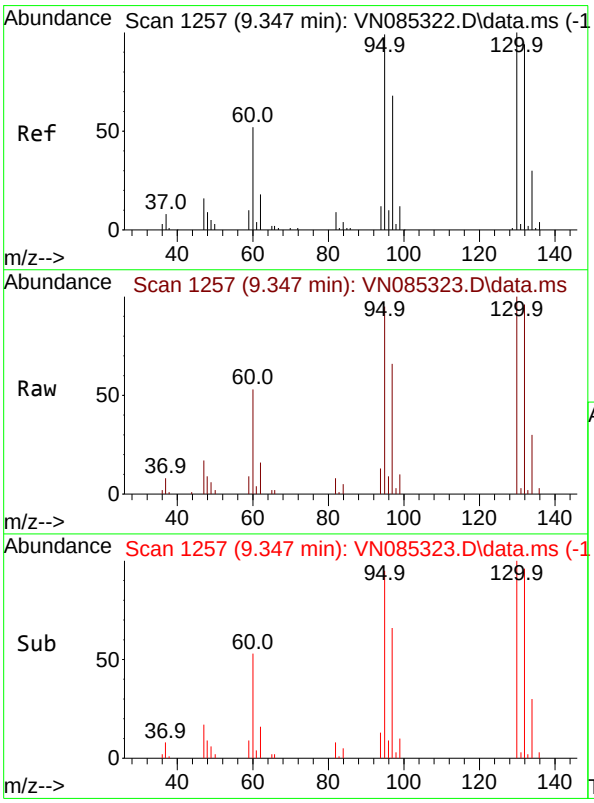
#43
Isopropyl Acetate
Concen: 21.117 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 82570

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.8	31.2
87	12.6	10.2	15.4

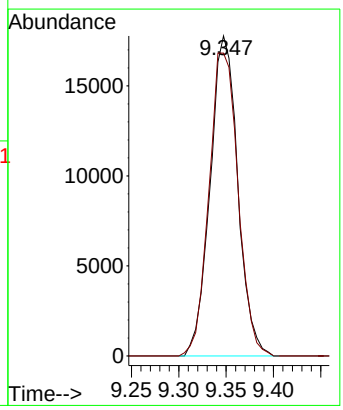


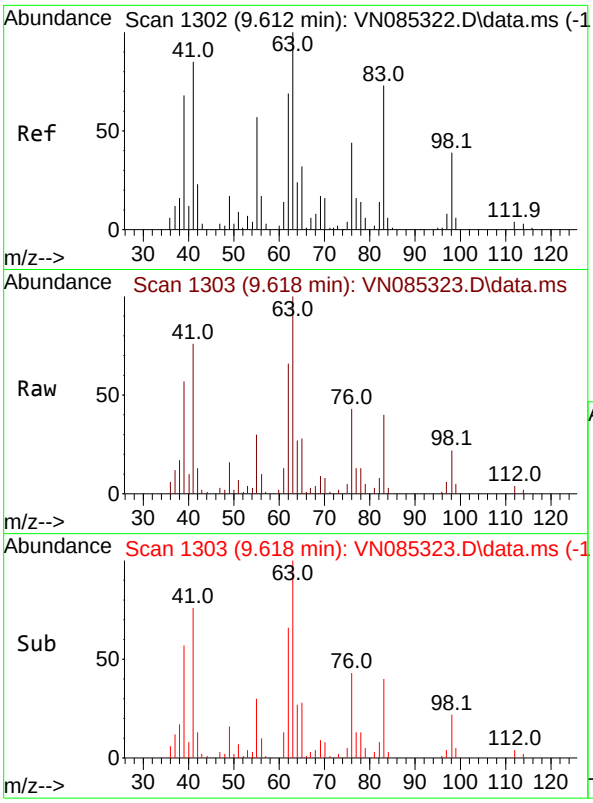


#44
Trichloroethene
Concen: 21.104 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:130 Resp: 36092

Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	197.8



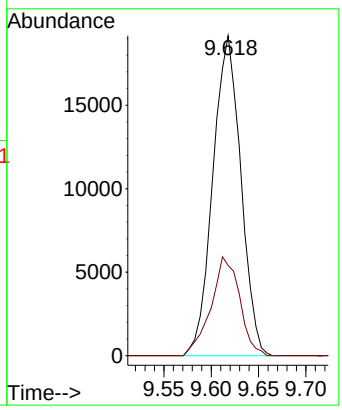


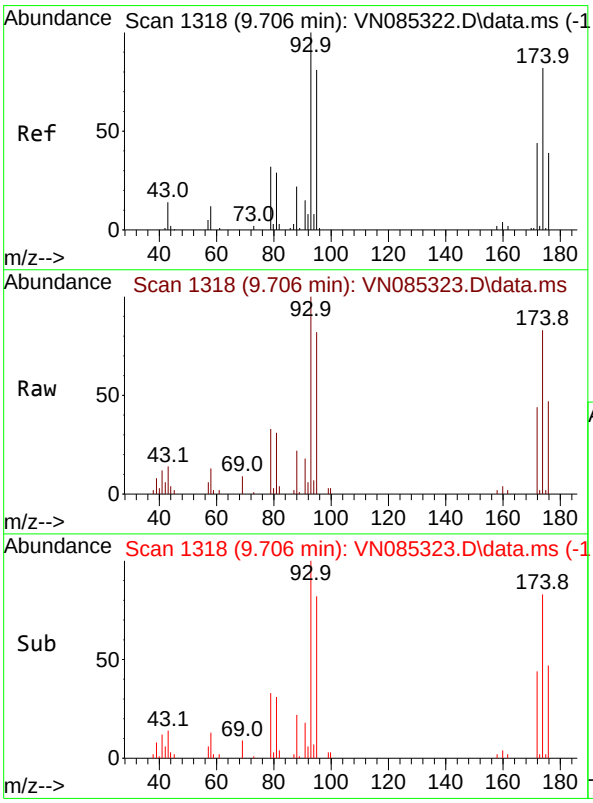
#45
1,2-Dichloropropane
Concen: 21.486 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 39400

Ion	Ratio	Lower	Upper
63	100		
65	28.2	25.5	38.3

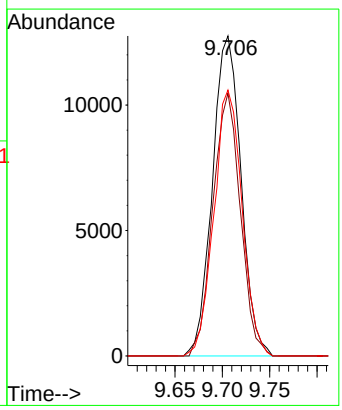


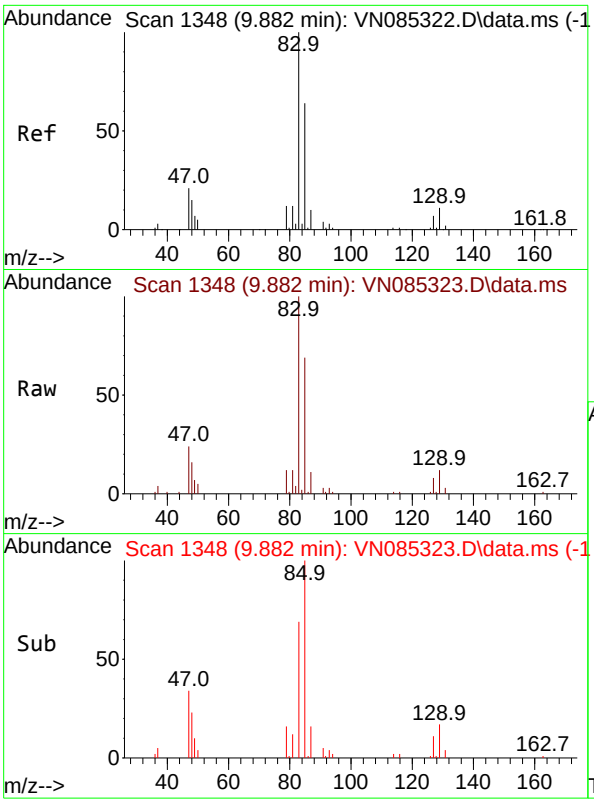


#46
Dibromomethane
Concen: 21.000 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 93 Resp: 26782

Ion	Ratio	Lower	Upper
93	100		
95	79.1	65.3	97.9
174	82.0	66.4	99.6



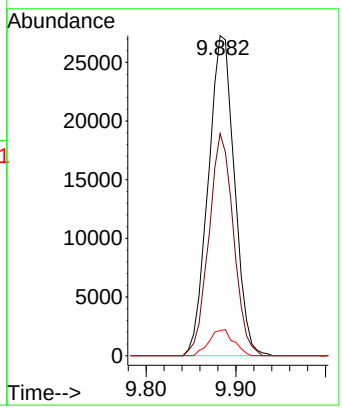


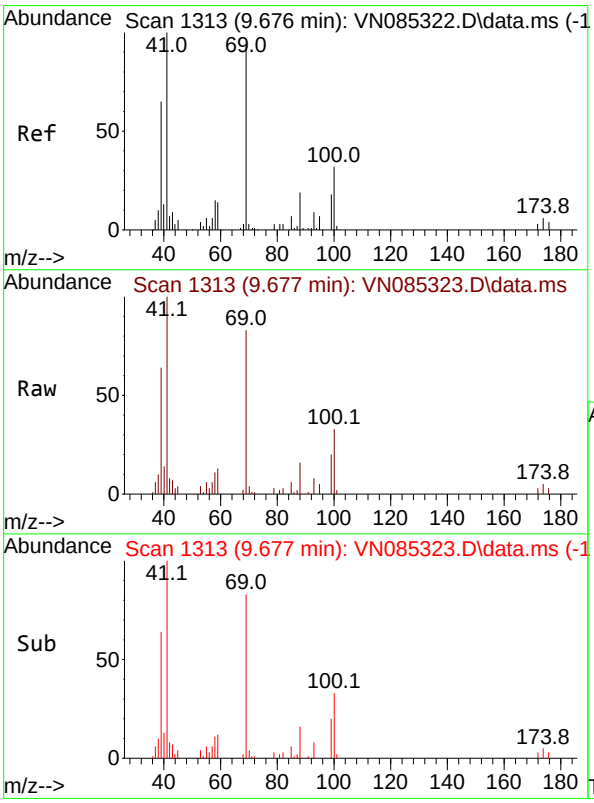
#47
Bromodichloromethane
Concen: 20.894 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 55383

Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.0	76.4
127	7.9	5.8	8.6

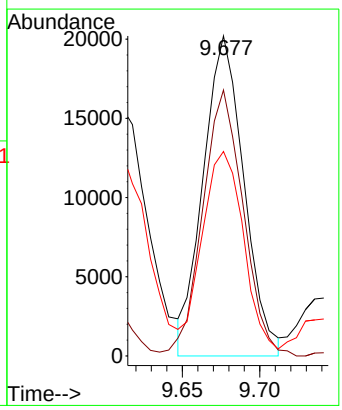


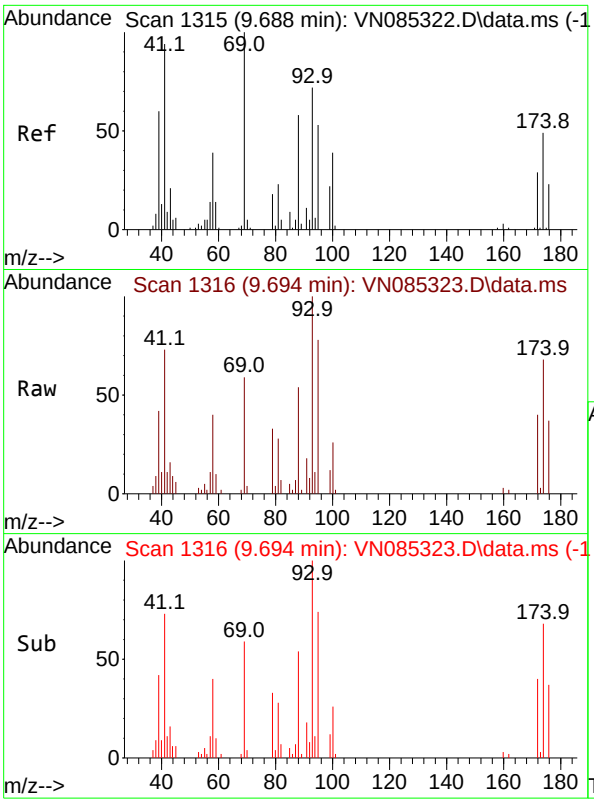


#48
Methyl methacrylate
Concen: 21.744 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 41 Resp: 36893

Ion	Ratio	Lower	Upper
41	100		
69	82.6	67.7	101.5
39	66.0	51.2	76.8



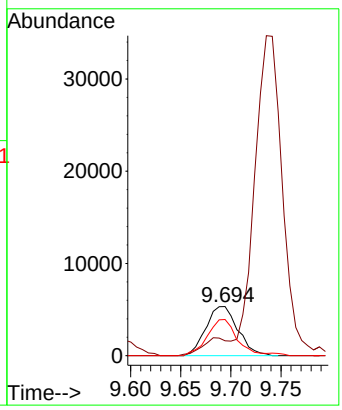


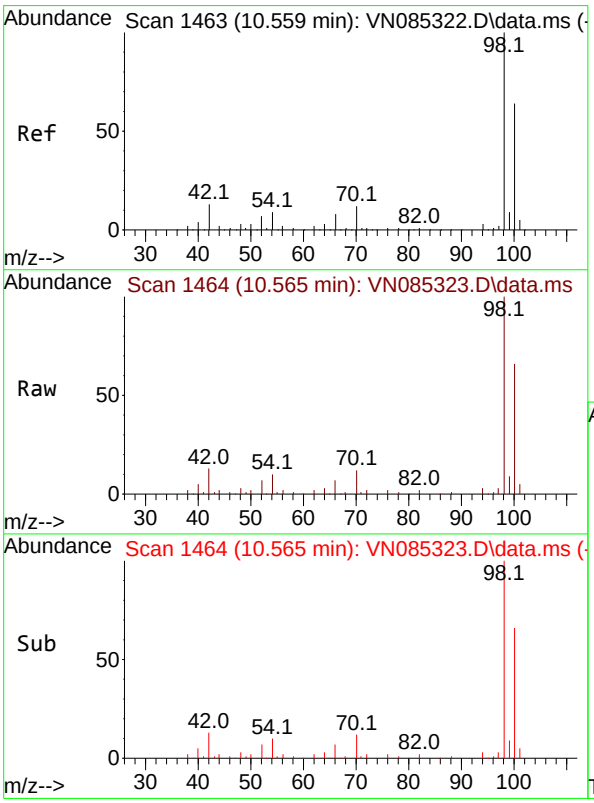
#49
1,4-Dioxane
Concen: 461.104 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 11804

Ion	Ratio	Lower	Upper
88	100		
43	31.0	22.1	33.1
58	70.4	56.7	85.1

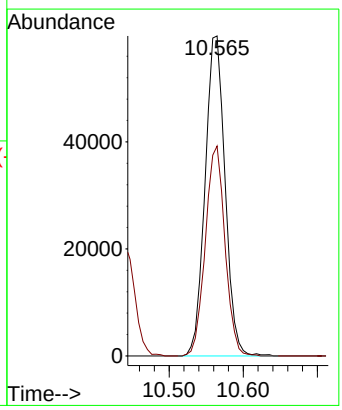


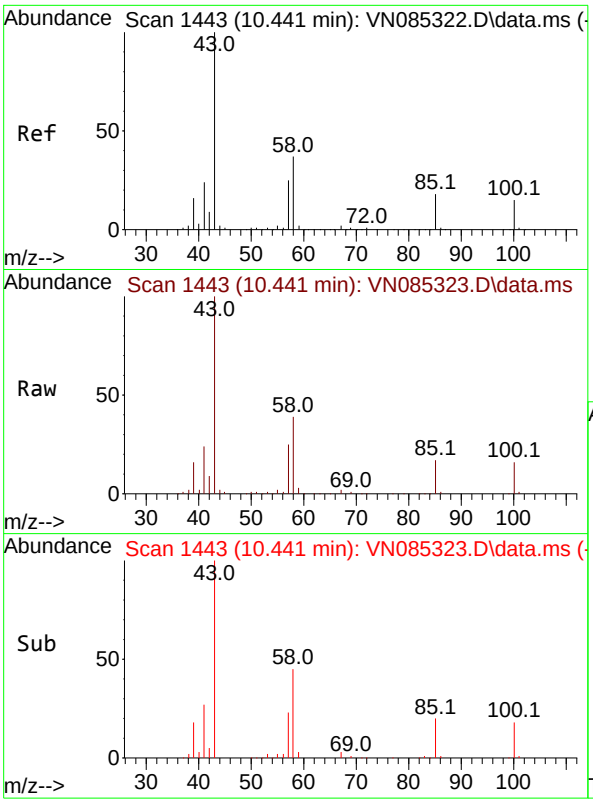


#50
Toluene-d8
Concen: 18.702 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 98 Resp: 111985

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3



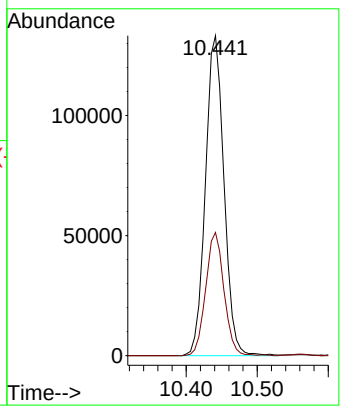


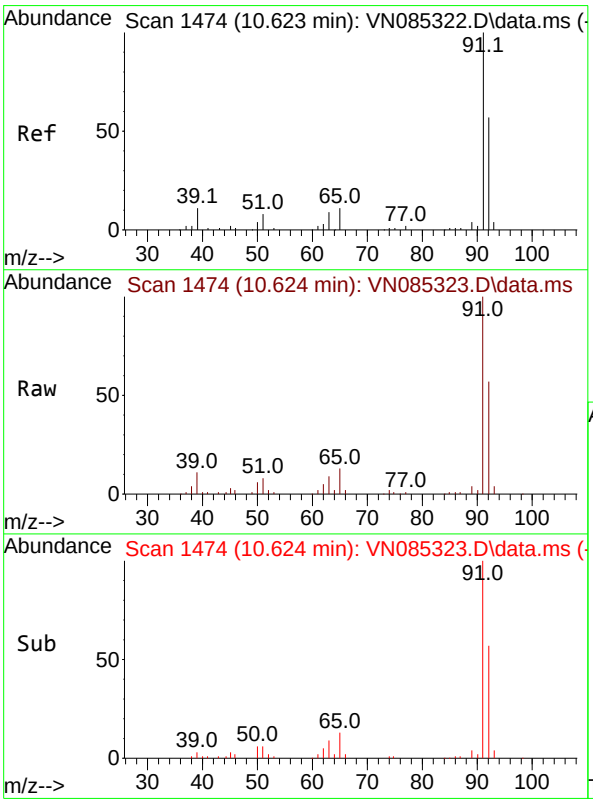
#51
4-Methyl-2-Pentanone
Concen: 110.019 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 241756

Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.3	45.5

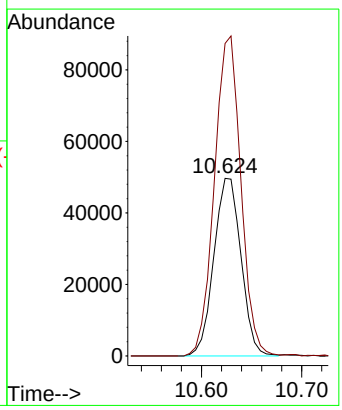


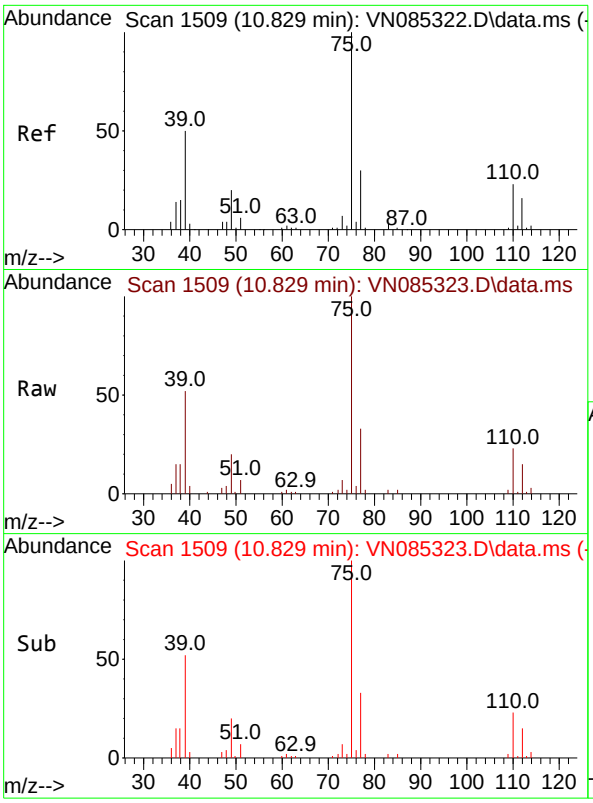


#52
Toluene
Concen: 21.702 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 92 Resp: 93343

Ion	Ratio	Lower	Upper
92	100		
91	175.8	140.2	210.4



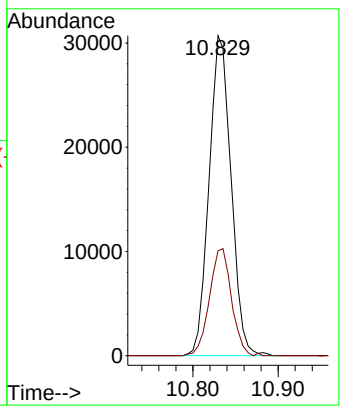


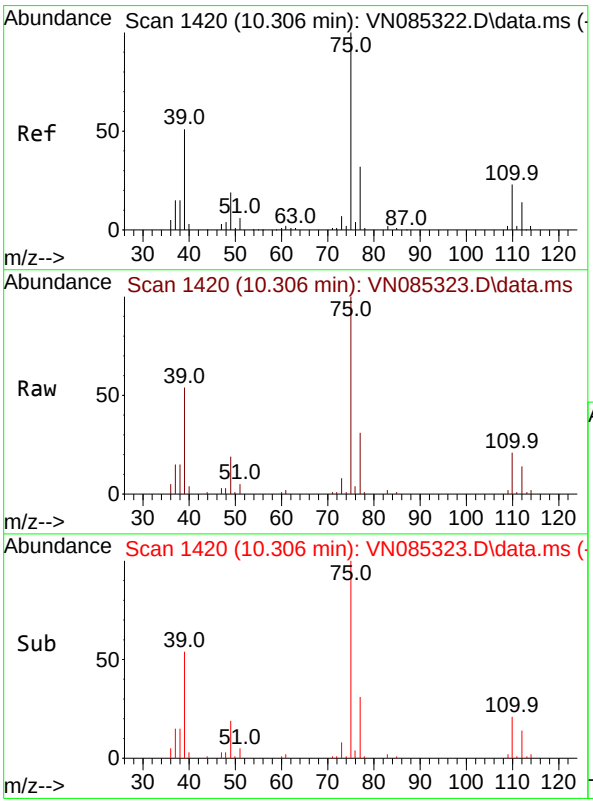
#53
t-1,3-Dichloropropene
Concen: 21.132 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 55084

Ion	Ratio	Lower	Upper
75	100		
77	32.7	23.8	35.6

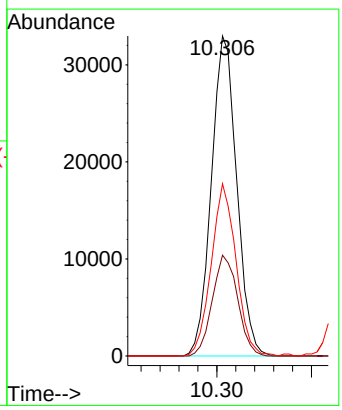


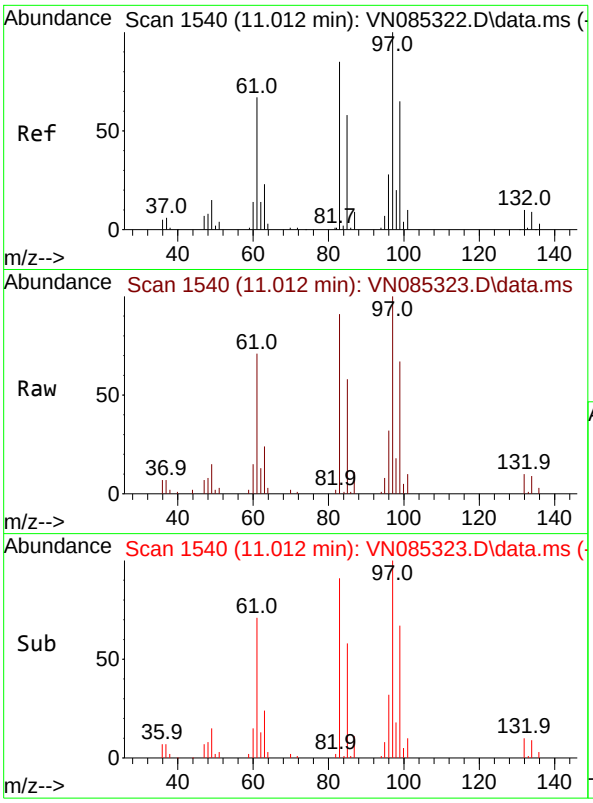


#54
cis-1,3-Dichloropropene
Concen: 21.718 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 61217

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	53.8	40.5	60.7



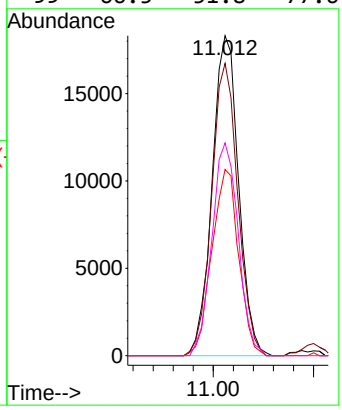


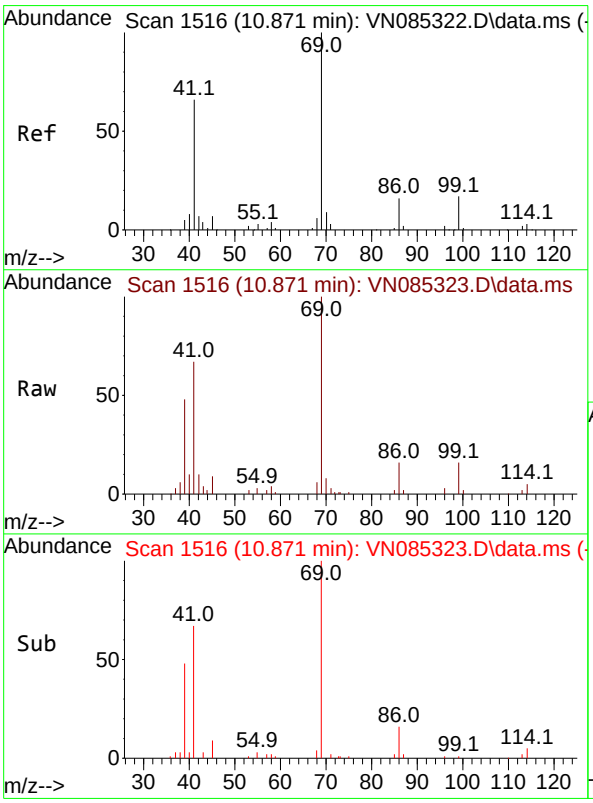
#55
1,1,2-Trichloroethane
Concen: 20.604 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 33459

Ion	Ratio	Lower	Upper
97	100		
83	91.3	67.7	101.5
85	58.2	46.2	69.4
99	66.5	51.8	77.6

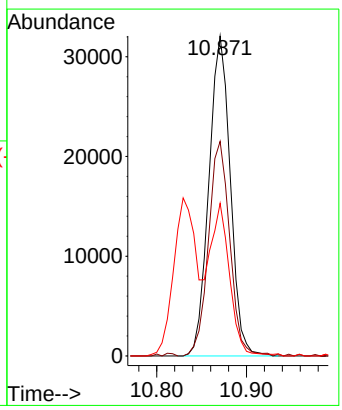


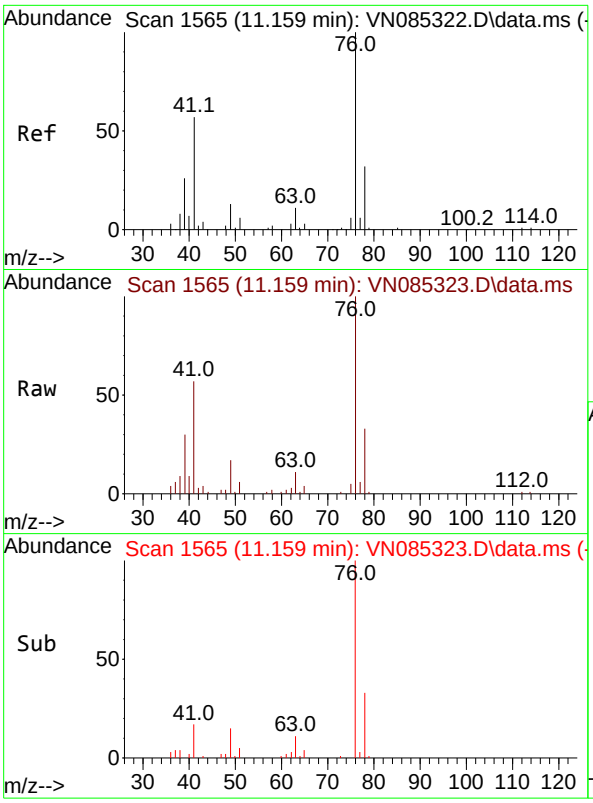


#56
Ethyl methacrylate
Concen: 22.458 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 69 Resp: 53114

Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.3	81.5
39	42.5	32.0	48.0



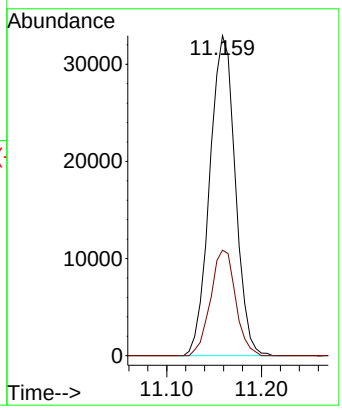


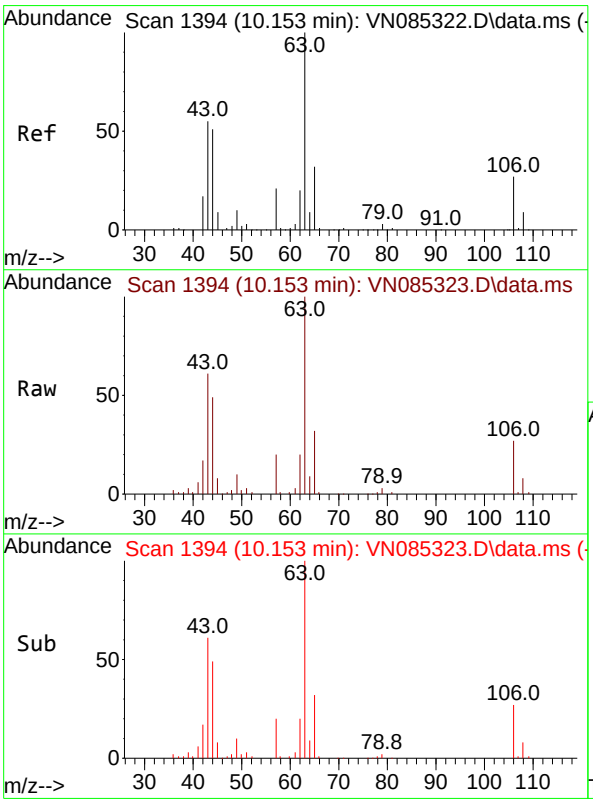
#57
1,3-Dichloropropane
Concen: 21.643 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61684

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

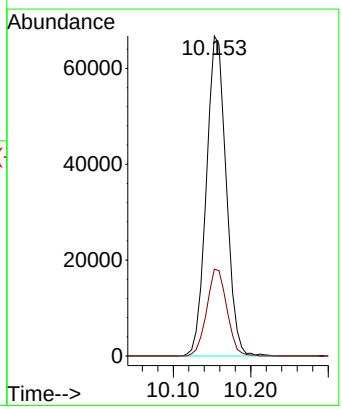


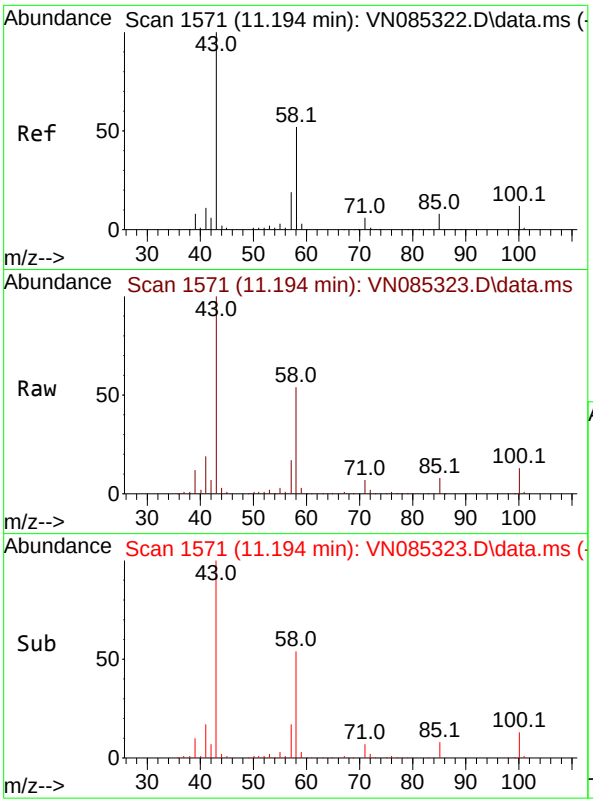


#58
2-Chloroethyl Vinyl ether
Concen: 103.539 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 63 Resp: 118474

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1



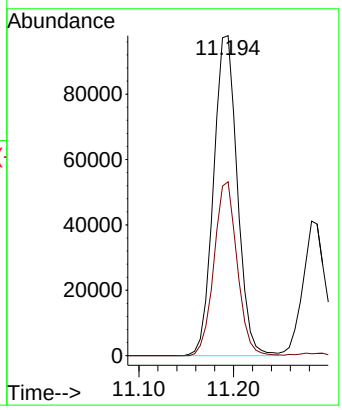


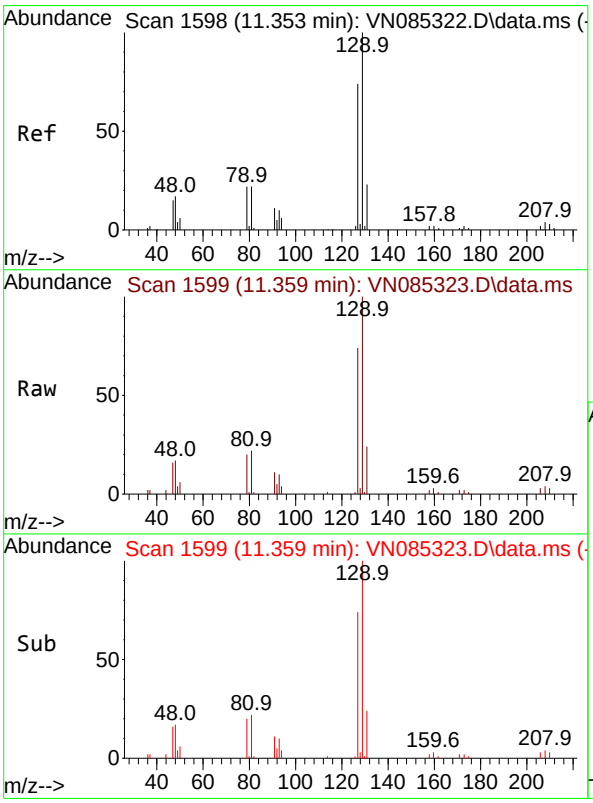
#59
2-Hexanone
Concen: 112.081 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 170875

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5

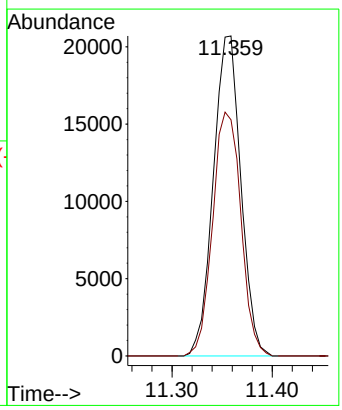


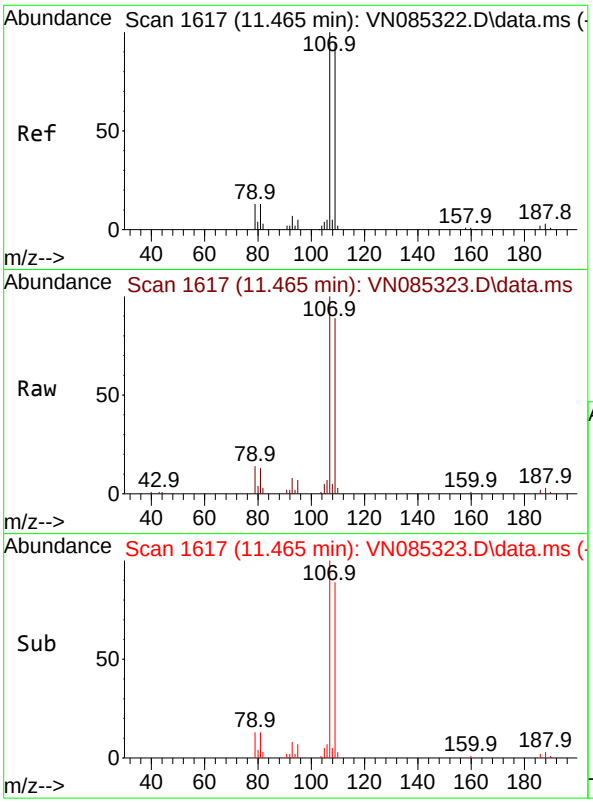


#60
Dibromochloromethane
Concen: 21.617 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:129 Resp: 39538

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.3	114.9



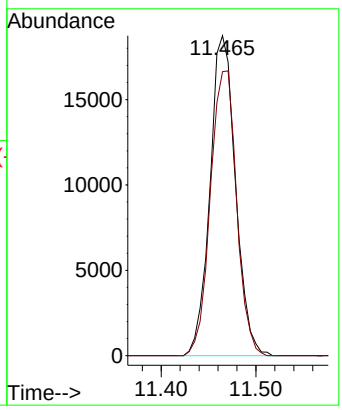


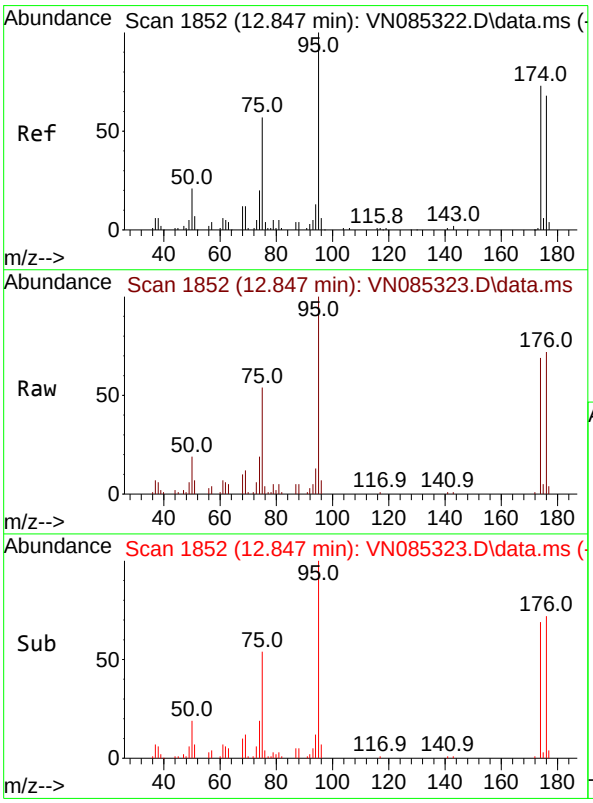
#61
1,2-Dibromoethane
Concen: 21.807 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 35034

Ion	Ratio	Lower	Upper
107	100		
109	91.4	74.9	112.3

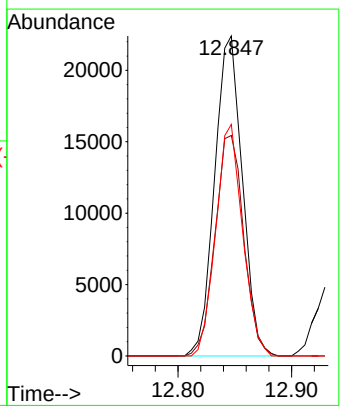


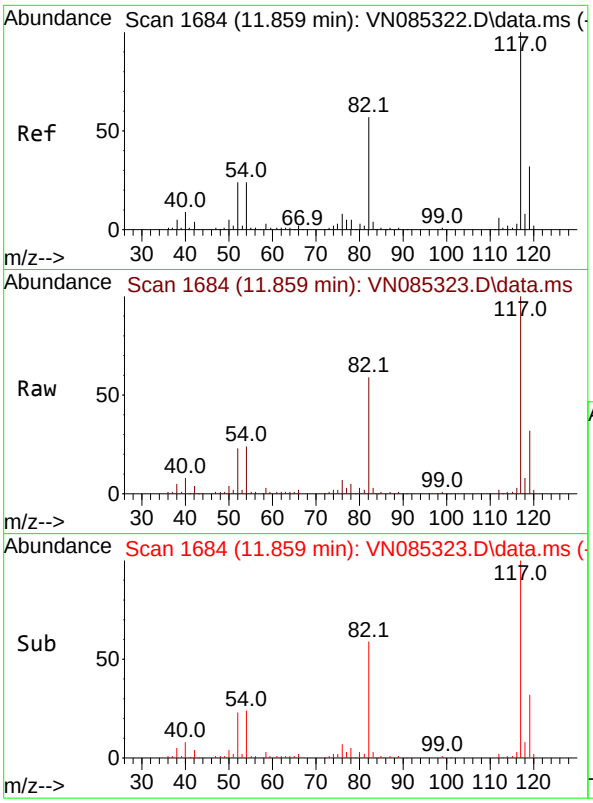


#62
4-Bromofluorobenzene
Concen: 19.067 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 95 Resp: 37918

Ion	Ratio	Lower	Upper
95	100		
174	71.4	0.0	143.2
176	70.1	0.0	135.8



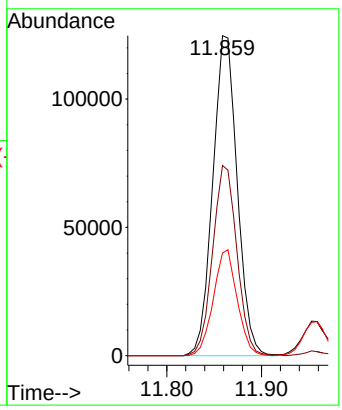


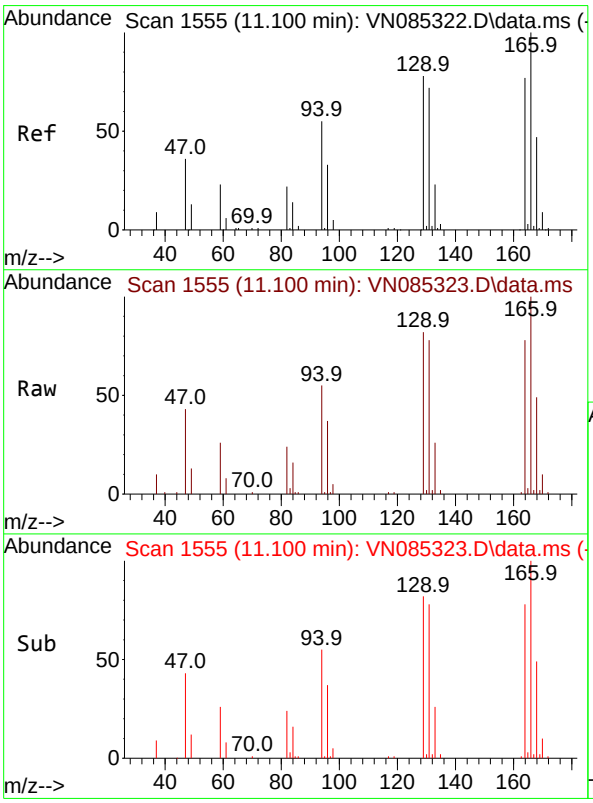
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 224166

Ion	Ratio	Lower	Upper
117	100		
82	59.5	45.7	68.5
119	32.1	25.8	38.8

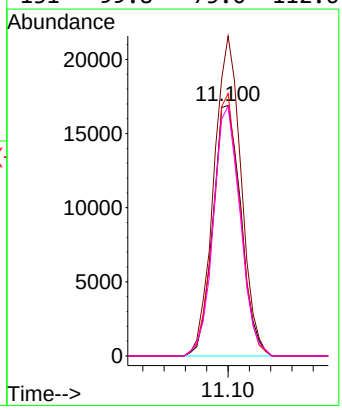


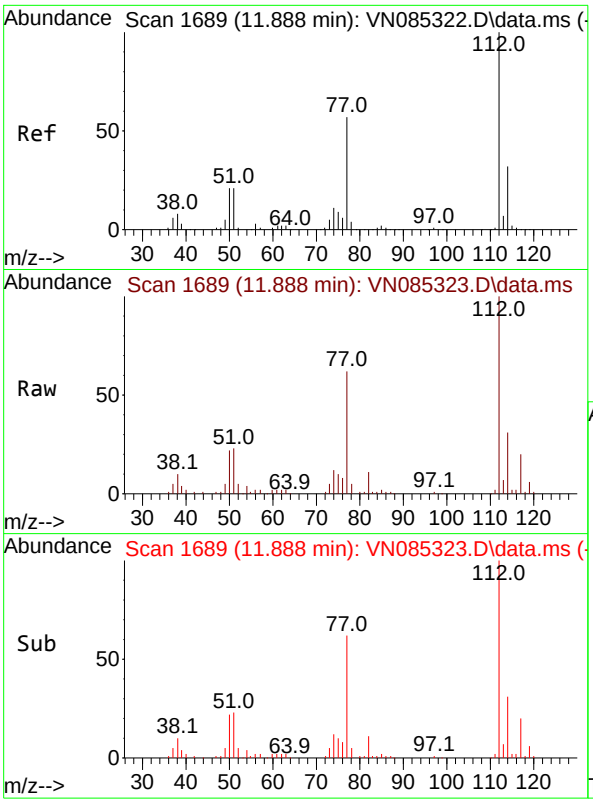


#64
Tetrachloroethene
Concen: 21.718 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:164 Resp: 30849

Ion	Ratio	Lower	Upper
164	100		
166	127.8	104.0	156.0
129	104.8	81.3	121.9
131	99.8	75.0	112.6



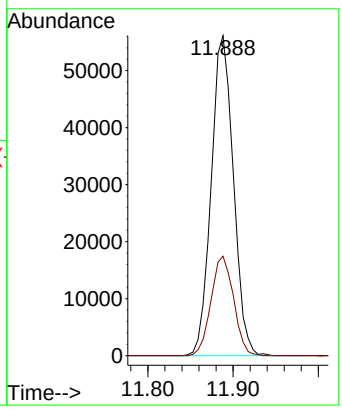


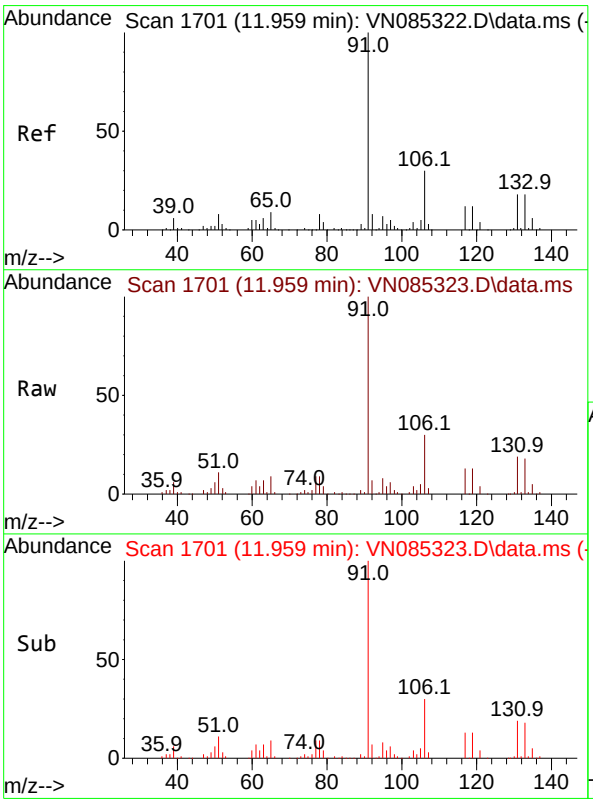
#65
Chlorobenzene
Concen: 20.938 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 101427

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.2	37.8

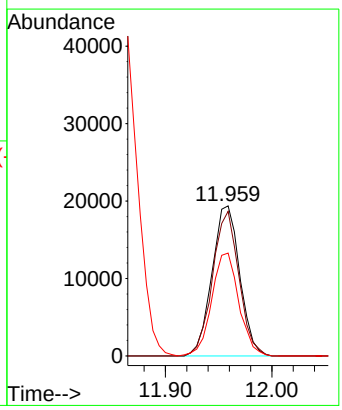


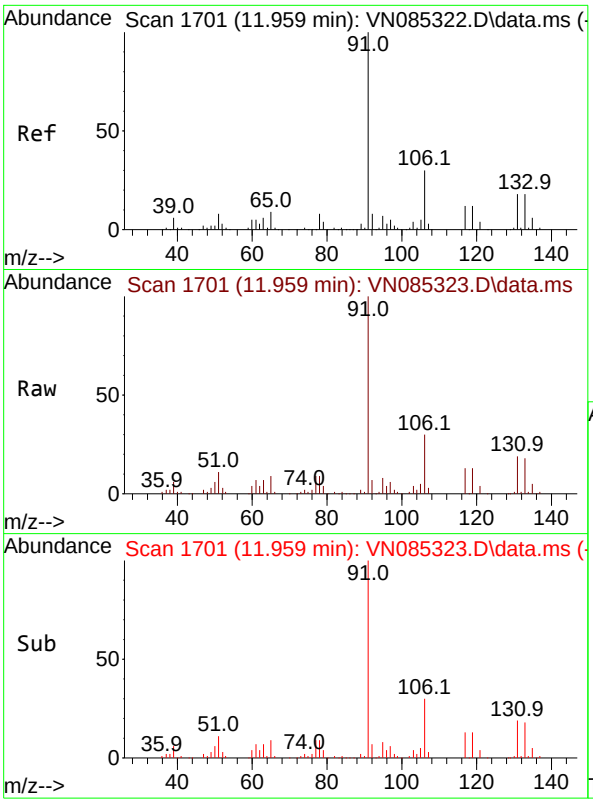


#66
1,1,1,2-Tetrachloroethane
Concen: 21.546 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:131 Resp: 35030

Ion	Ratio	Lower	Upper
131	100		
133	91.8	48.3	144.9
119	67.1	33.4	100.1



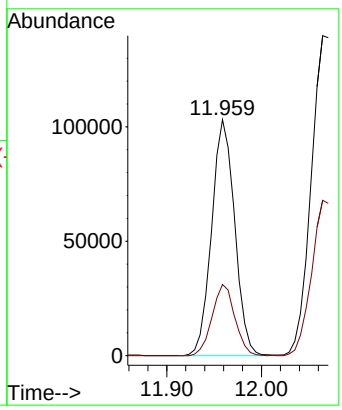


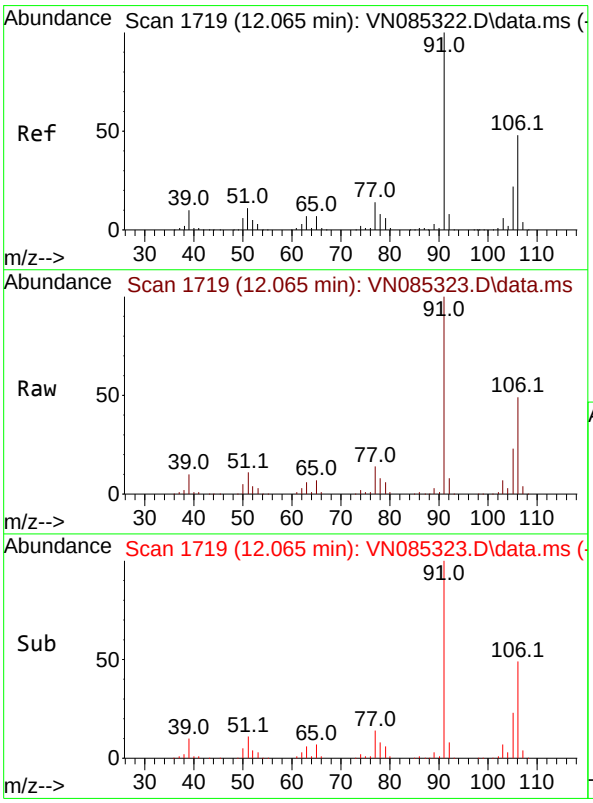
#67
Ethyl Benzene
Concen: 21.640 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 174337

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.0	36.0

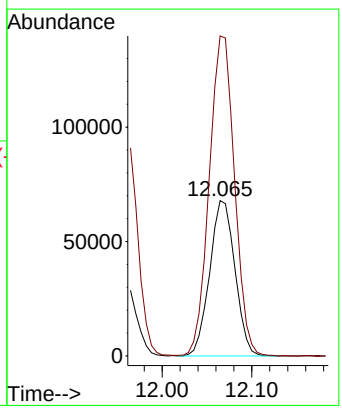


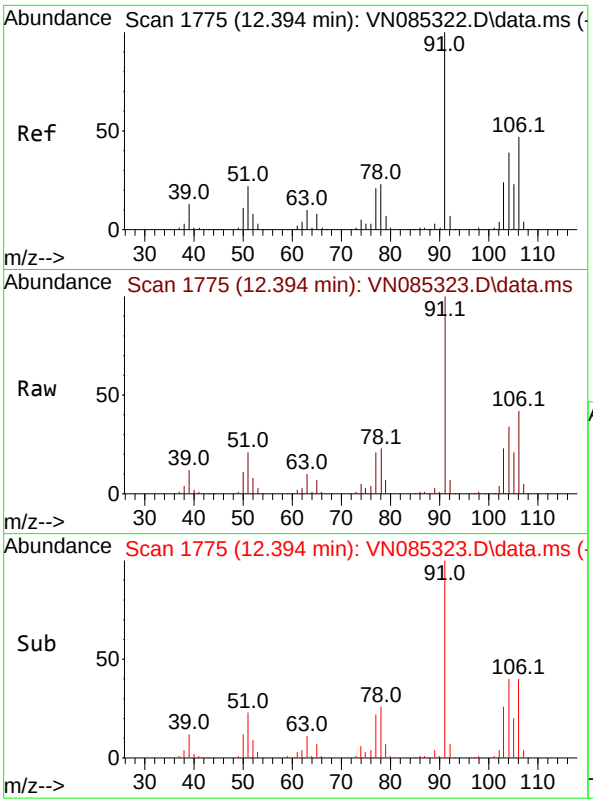


#68
m/p-Xylenes
Concen: 44.993 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:106 Resp: 132648

Ion	Ratio	Lower	Upper
106	100		
91	206.5	165.2	247.8



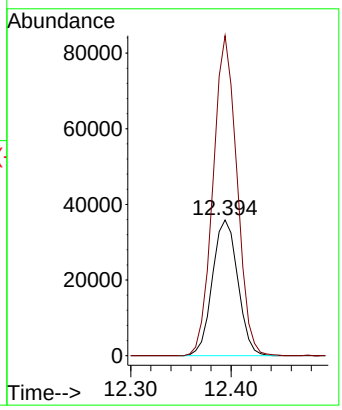


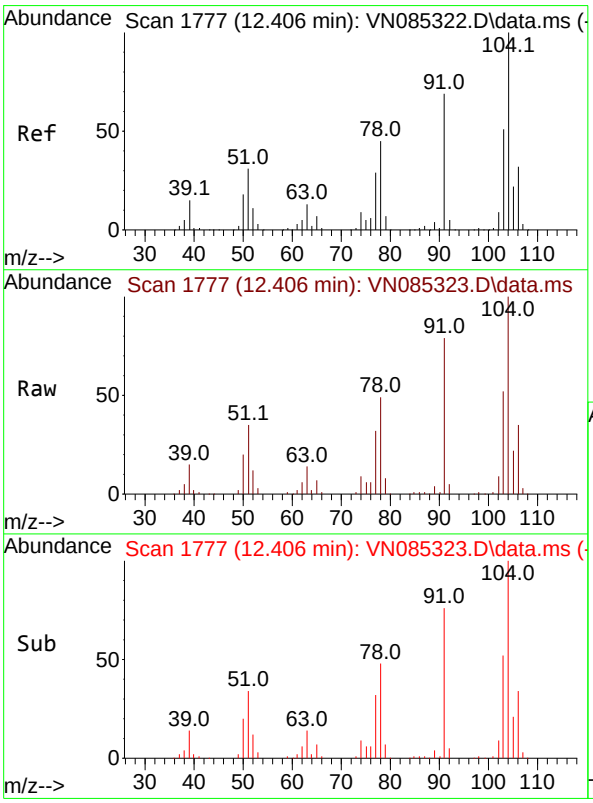
#69
o-Xylene
Concen: 22.091 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 63003

Ion	Ratio	Lower	Upper
106	100		
91	222.2	107.3	321.8

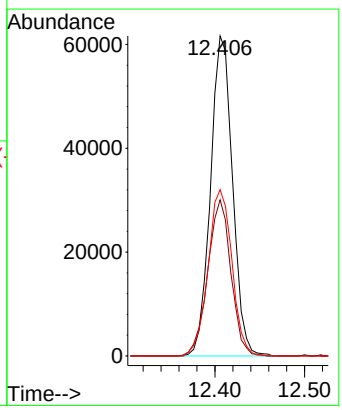


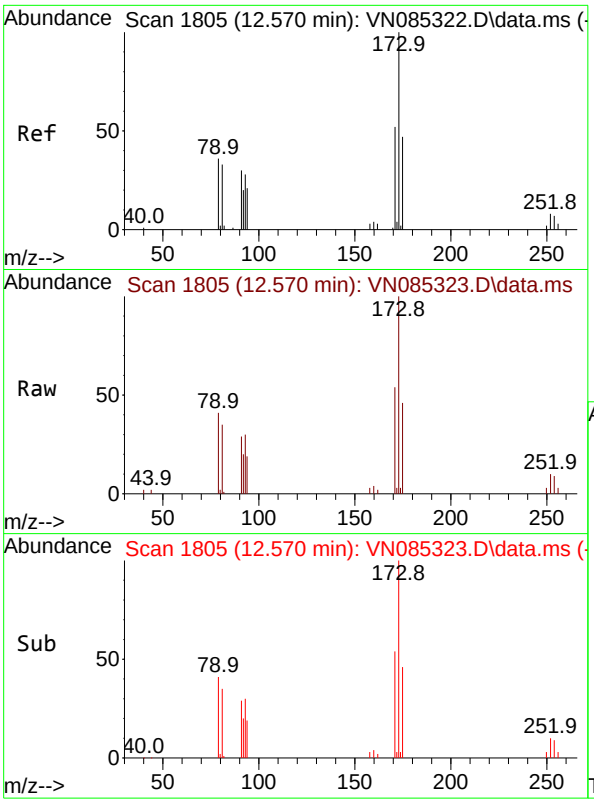


#70
Styrene
Concen: 22.728 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:104 Resp: 105054

Ion	Ratio	Lower	Upper
104	100		
78	51.2	40.7	61.1
103	56.2	44.1	66.1



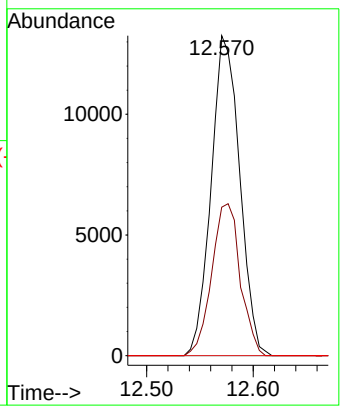


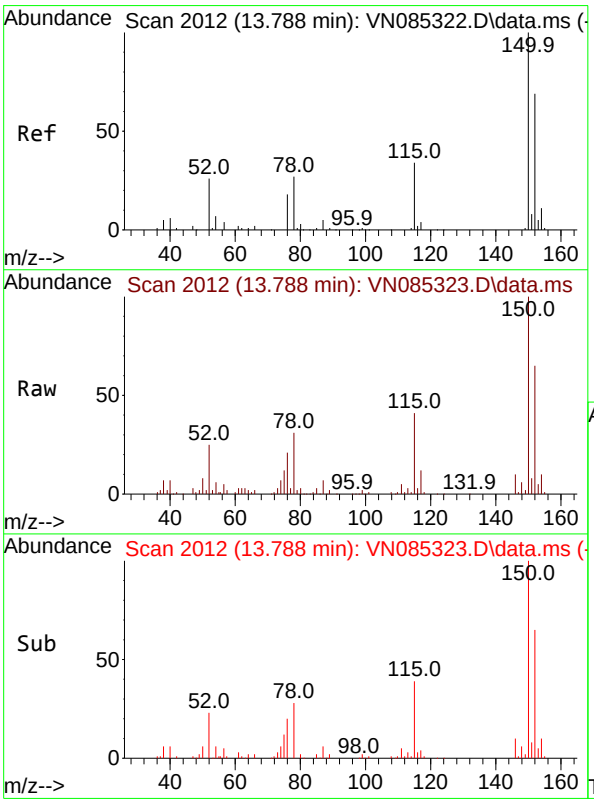
#71
Bromoform
Concen: 21.885 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 24644

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.4	73.4
254	0.0	0.0	0.0

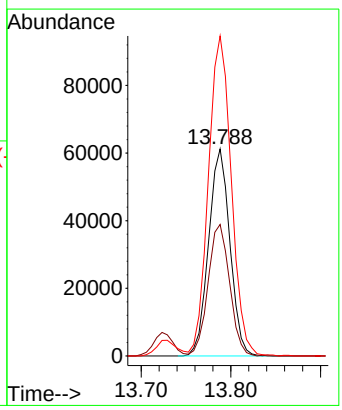


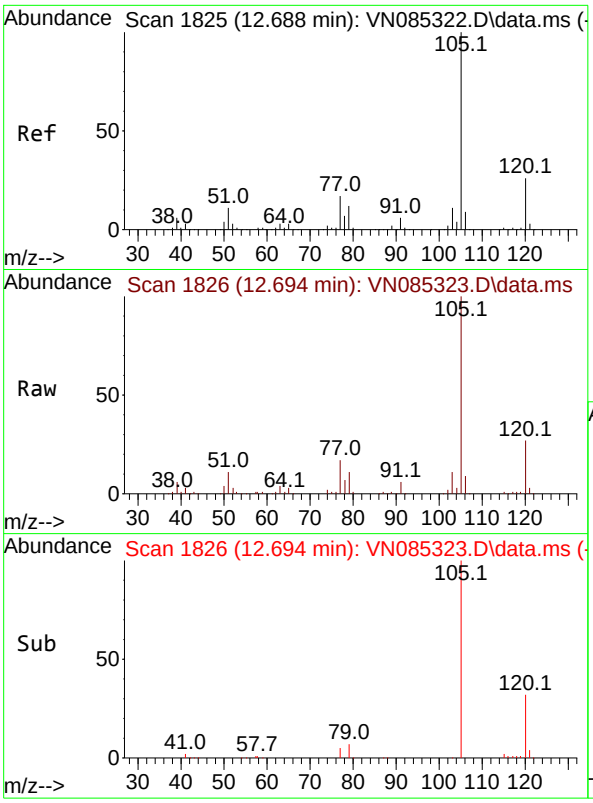


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:152 Resp: 100909

Ion	Ratio	Lower	Upper
152	100		
115	64.4	30.4	91.3
150	166.0	0.0	345.0



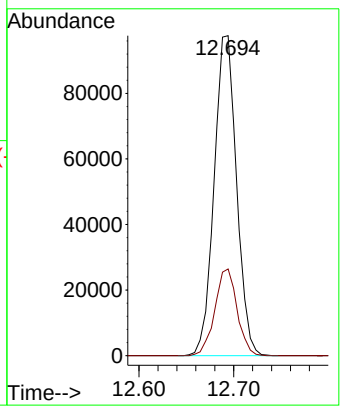


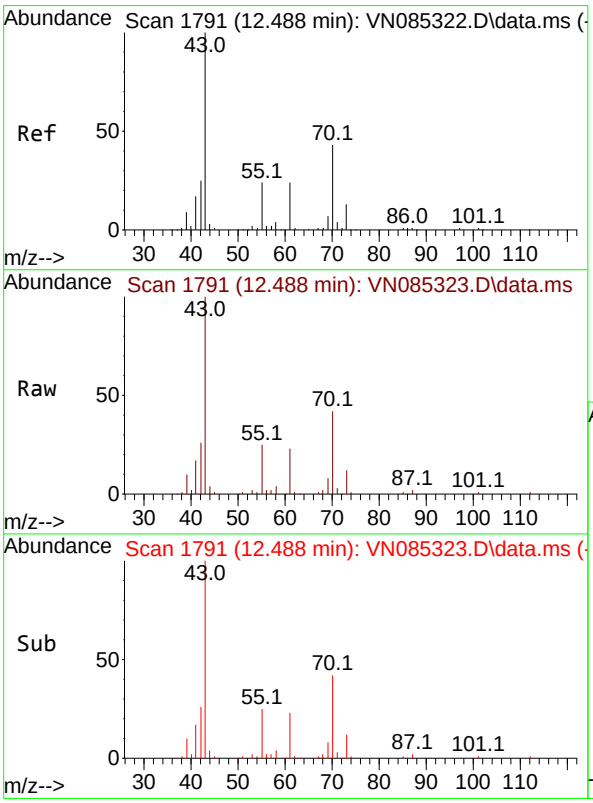
#73
Isopropylbenzene
Concen: 22.153 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 160752

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.6

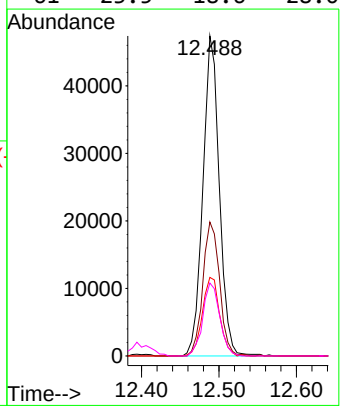


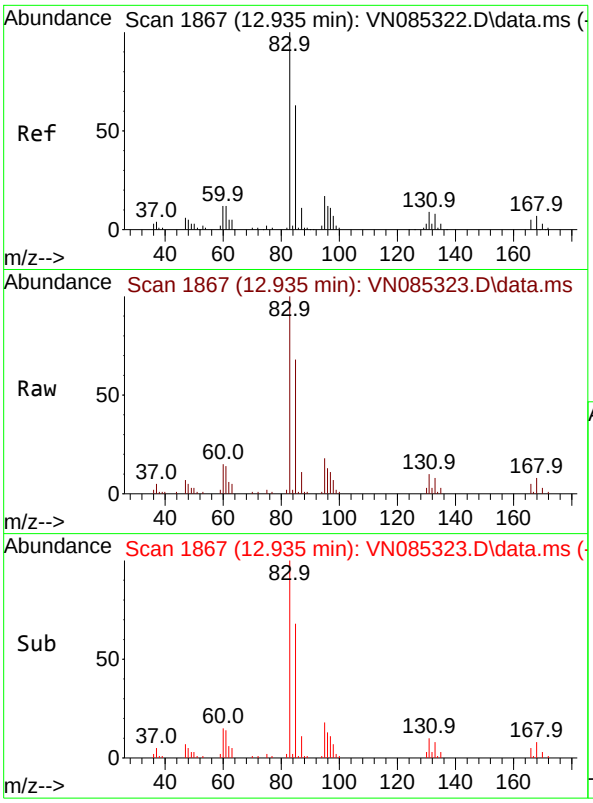


#74
N-amyl acetate
Concen: 22.517 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 43 Resp: 69938

Ion	Ratio	Lower	Upper
43	100		
70	42.6	33.4	50.0
55	25.9	19.2	28.8
61	23.5	18.6	28.0



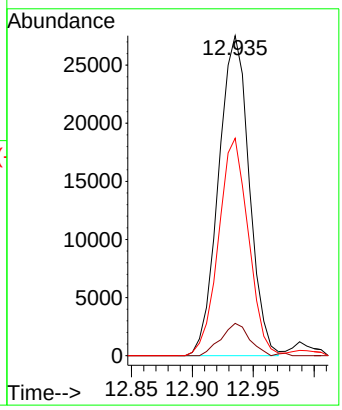


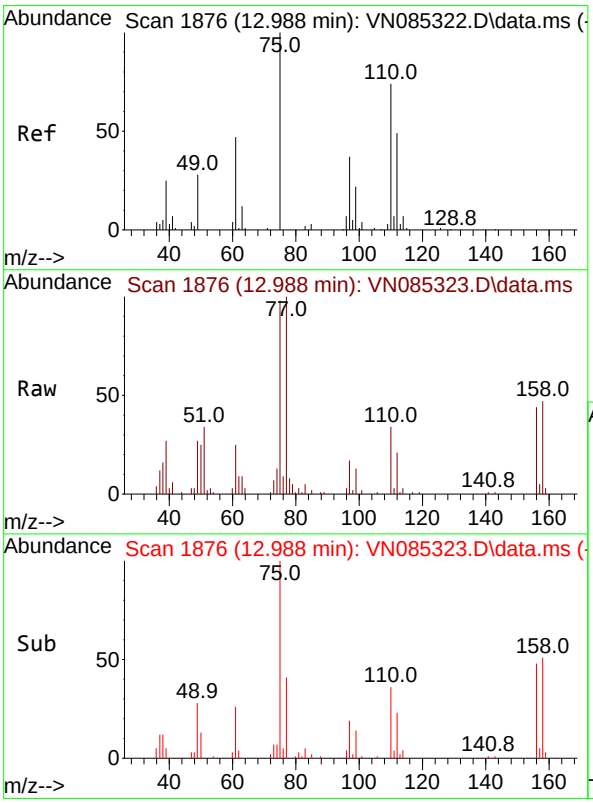
#75
1,1,2,2-Tetrachloroethane
Concen: 20.897 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 48294

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	66.2	32.6	98.0

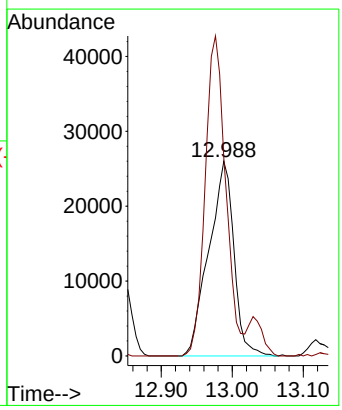


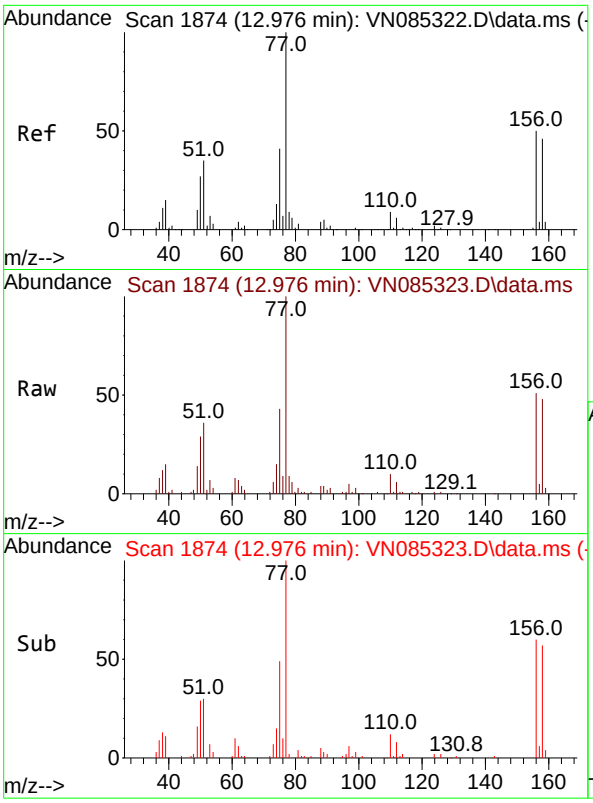


#76
1,2,3-Trichloropropane
Concen: 21.731 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 63710

Ion	Ratio	Lower	Upper
75	100		
77	135.5	98.1	294.3



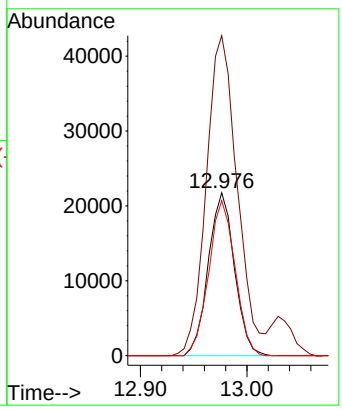


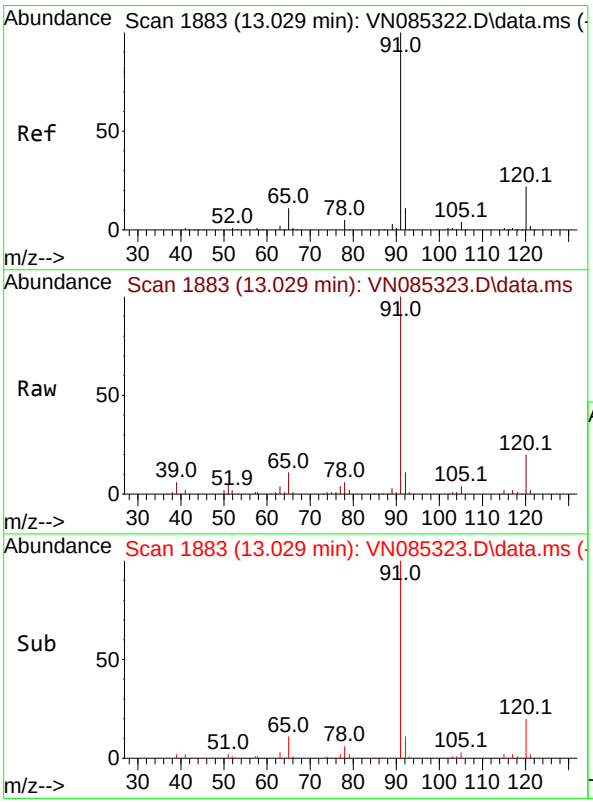
#77
Bromobenzene
Concen: 20.623 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 37077

Ion	Ratio	Lower	Upper
156	100		
77	232.8	114.0	342.0
158	96.3	47.6	142.8

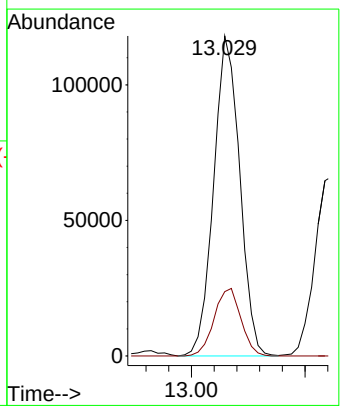


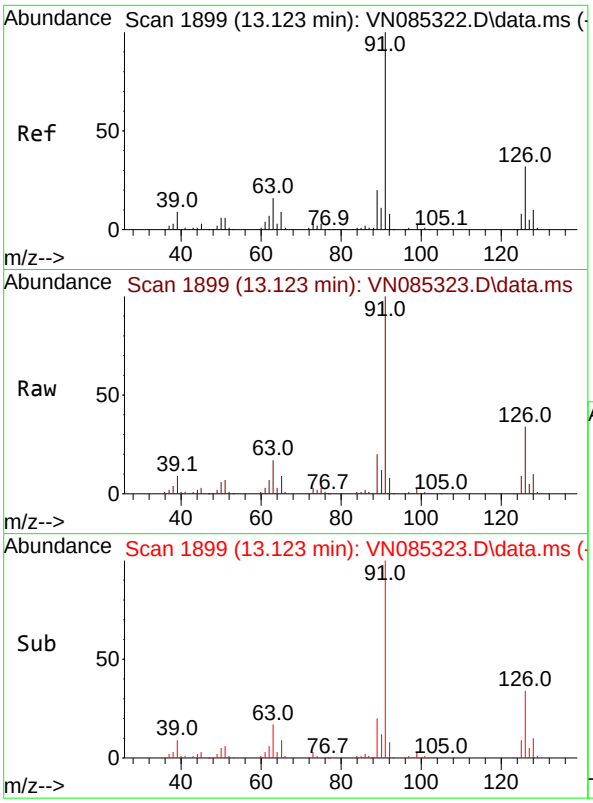


#78
n-propylbenzene
Concen: 22.243 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 188143

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.9



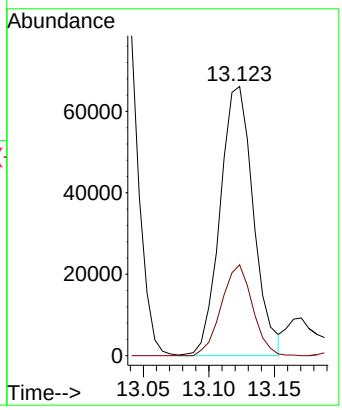


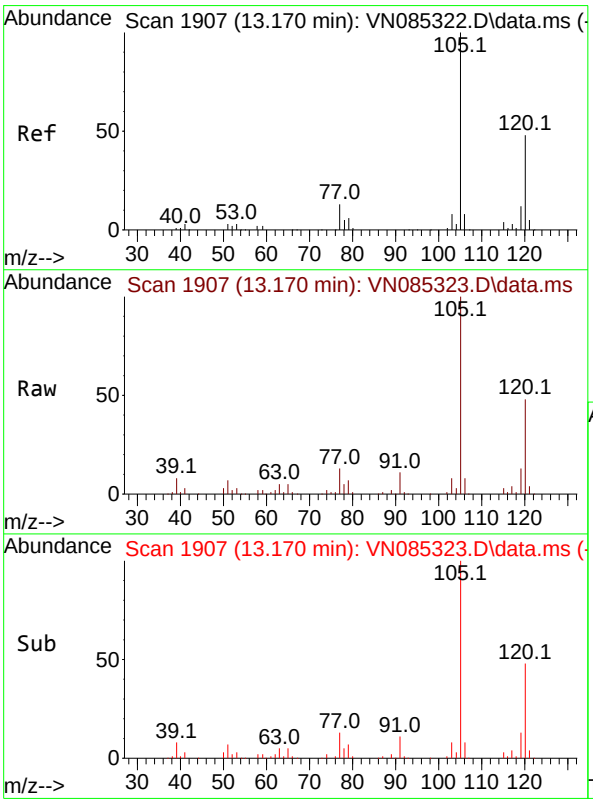
#79
2-Chlorotoluene
Concen: 22.010 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 117169

Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.0	48.0

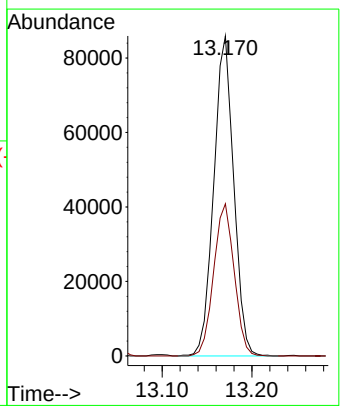


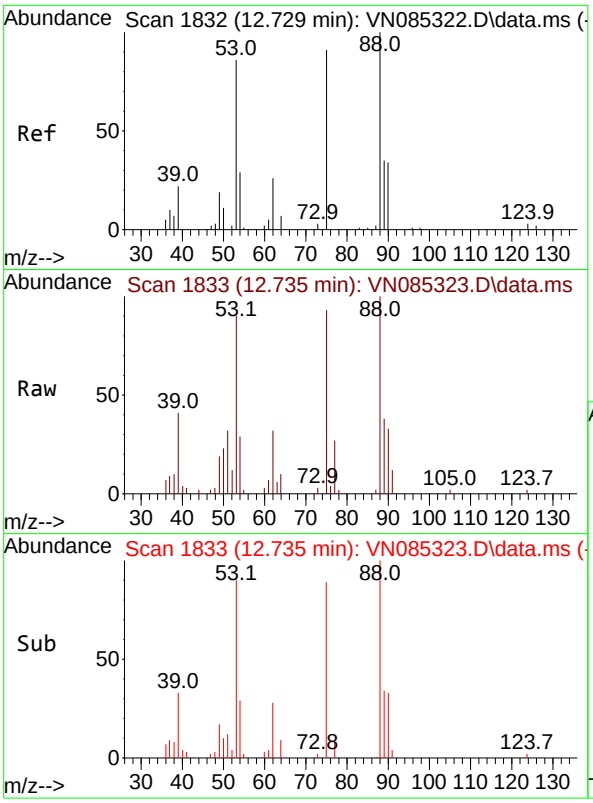


#80
1,3,5-Trimethylbenzene
Concen: 22.582 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 132546

Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.0	72.0



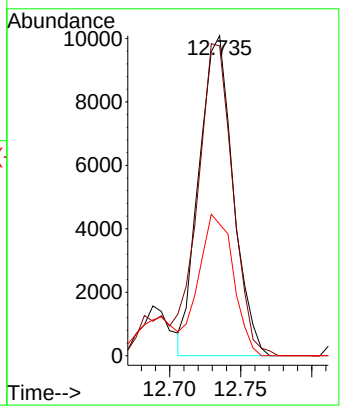


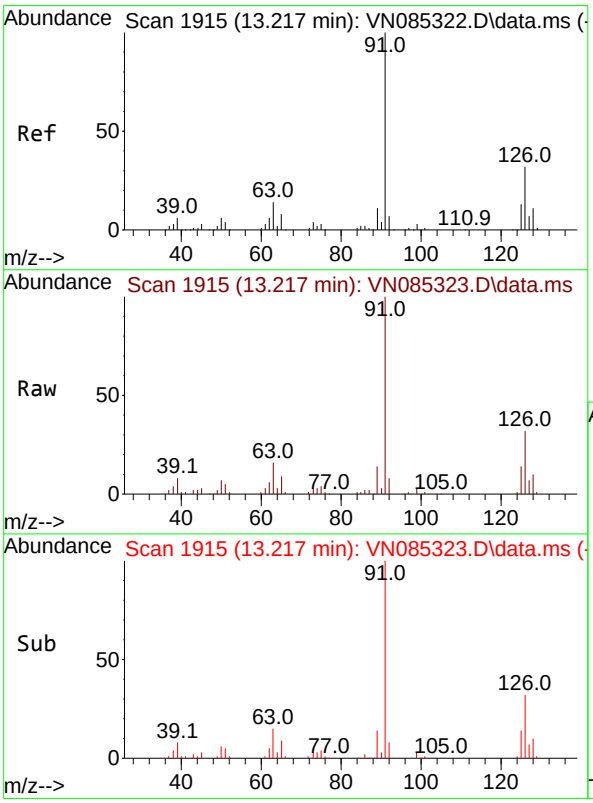
#81
trans-1,4-Dichloro-2-butene
Concen: 20.972 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 16798

Ion	Ratio	Lower	Upper
75	100		
53	101.3	80.0	120.0
89	45.4	35.8	53.8

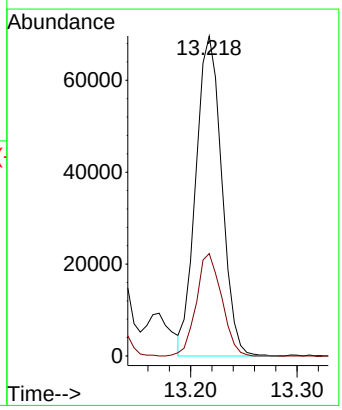


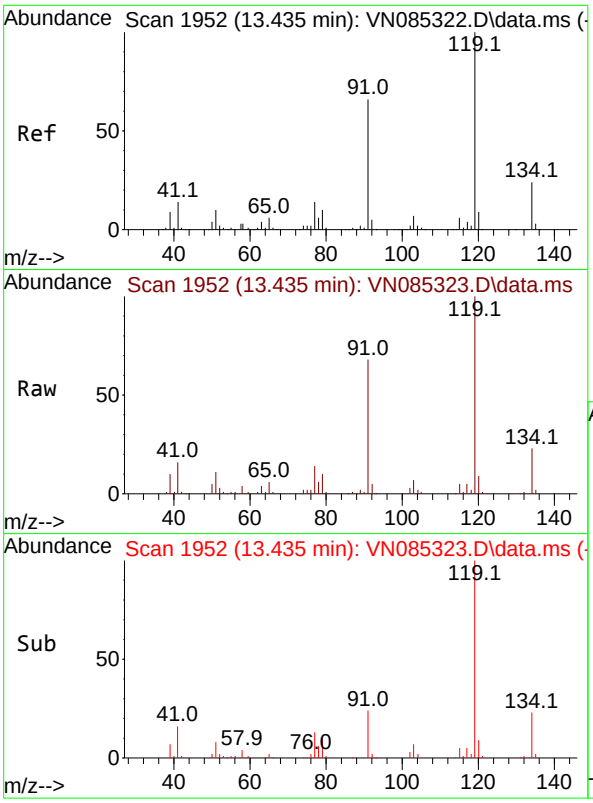


#82
4-Chlorotoluene
Concen: 21.976 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 91 Resp: 117825

Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.4	49.4



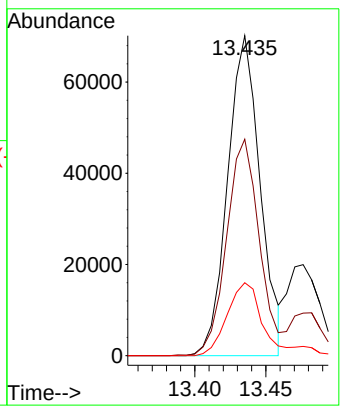


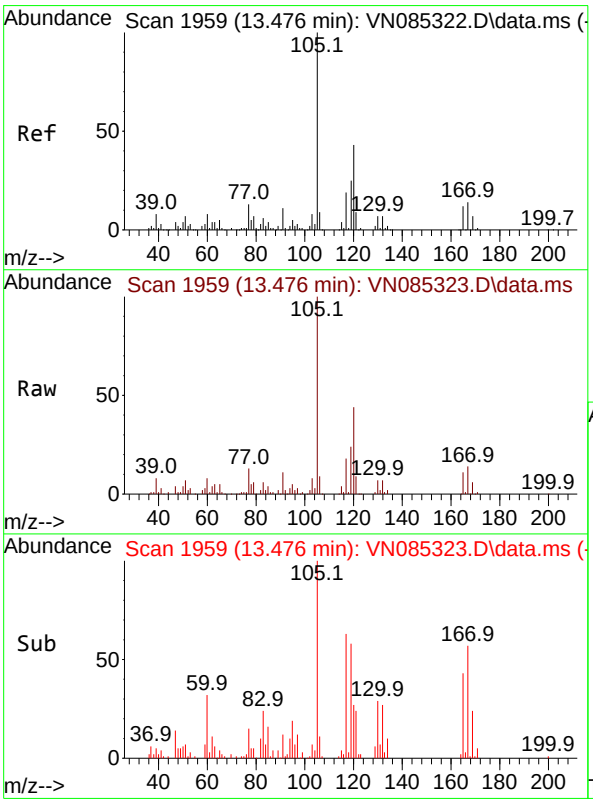
#83
tert-Butylbenzene
Concen: 22.025 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 111983

Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.6	100.8
134	26.1	13.3	39.8

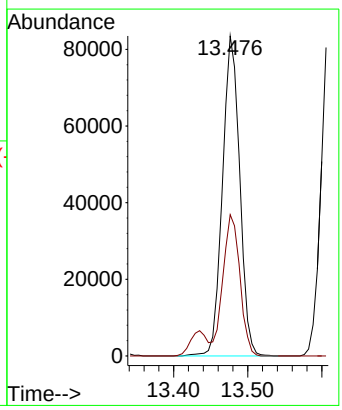


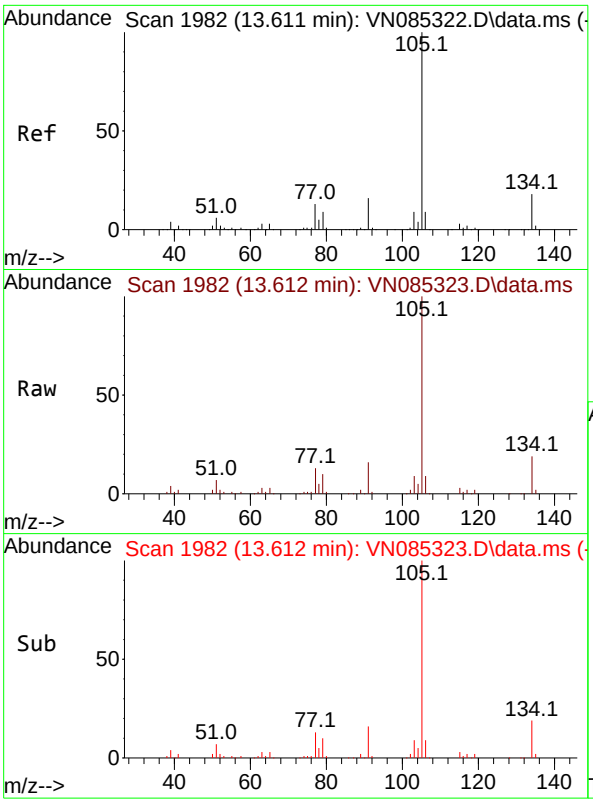


#84
1,2,4-Trimethylbenzene
Concen: 23.107 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:105 Resp: 135046

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.7	65.1



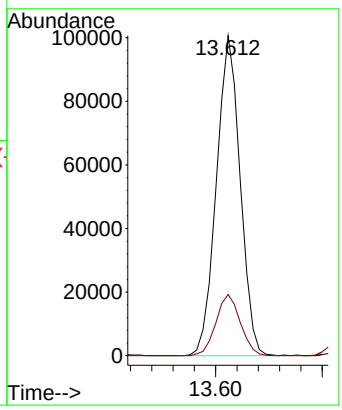


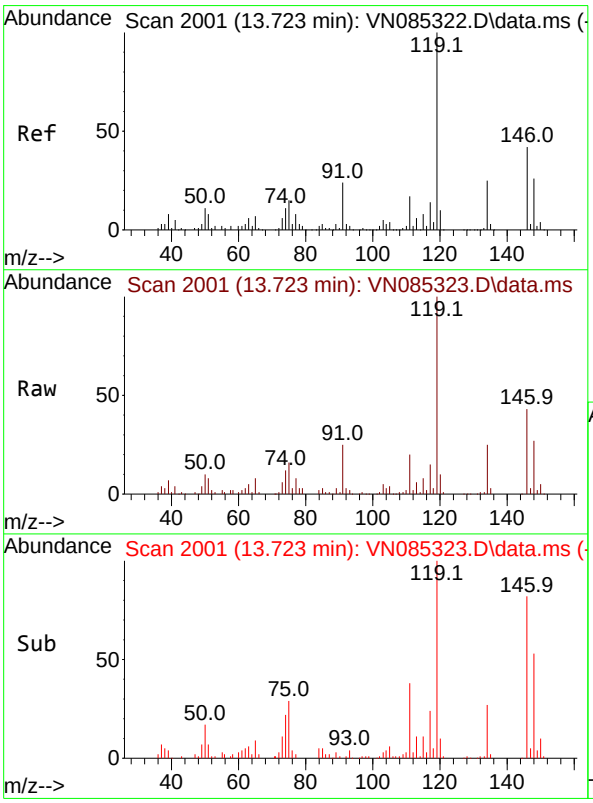
#85
sec-Butylbenzene
Concen: 22.026 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 155451

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3

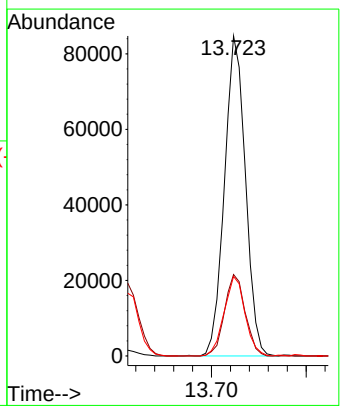


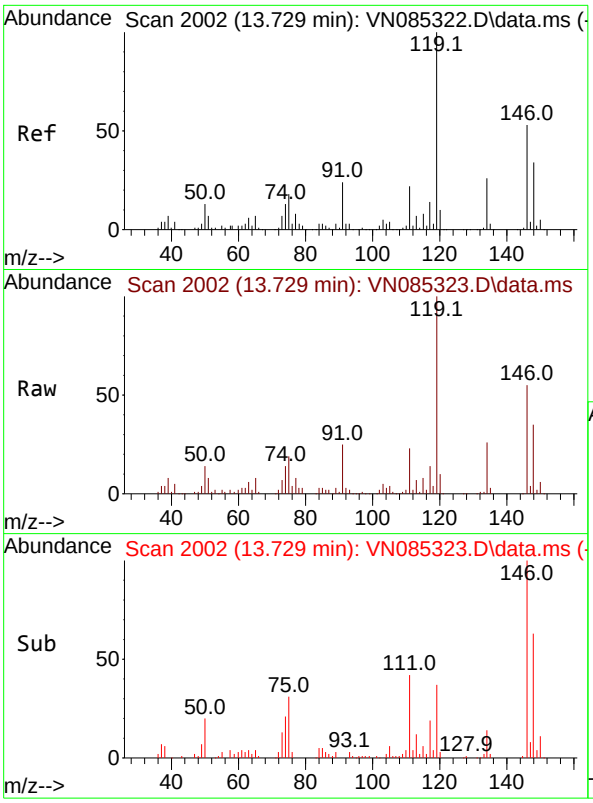


#86
p-Isopropyltoluene
Concen: 22.951 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:119 Resp: 130425

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.8	12.2	36.4



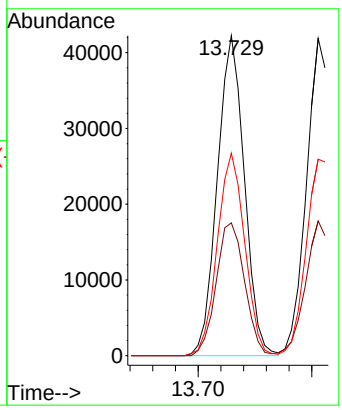


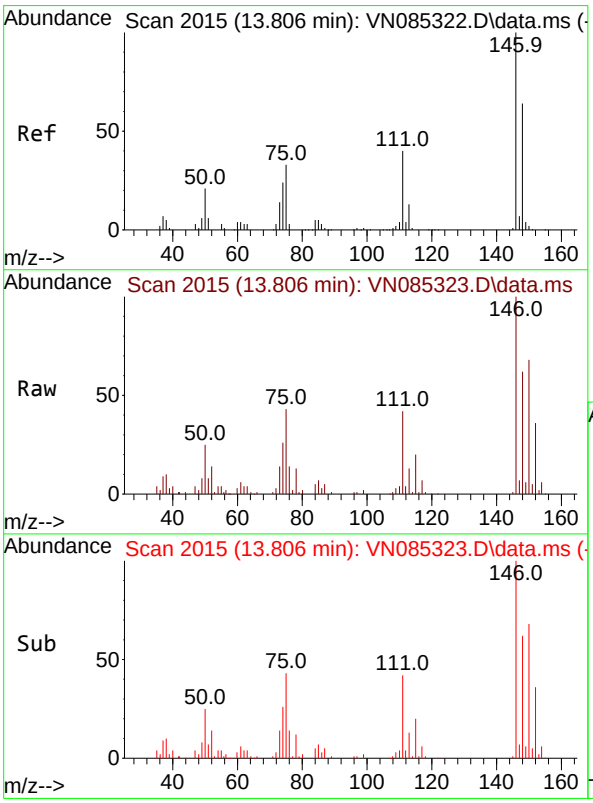
#87
1,3-Dichlorobenzene
Concen: 21.444 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 69890

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.3	63.9
148	64.1	31.5	94.5

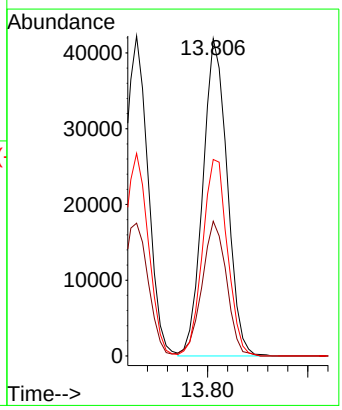


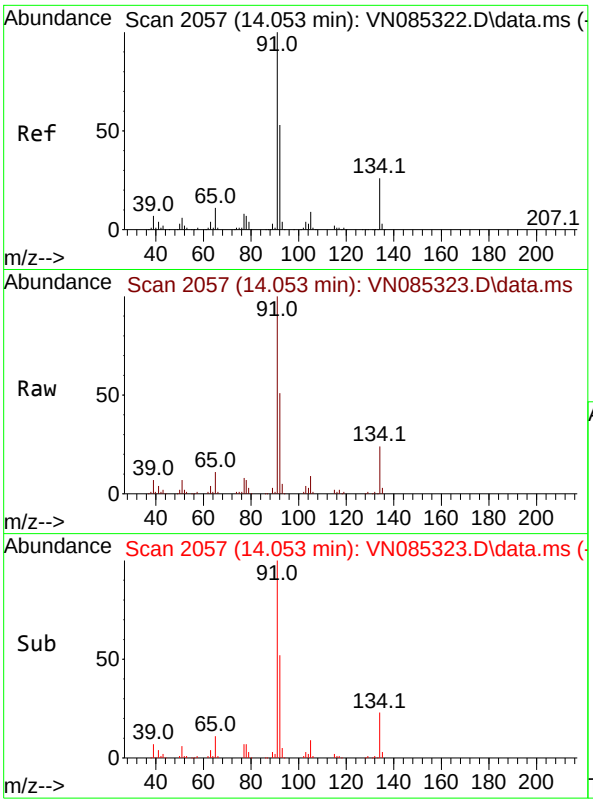


#88
1,4-Dichlorobenzene
Concen: 21.135 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:146 Resp: 70759

Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.8	62.5
148	63.3	31.7	95.1



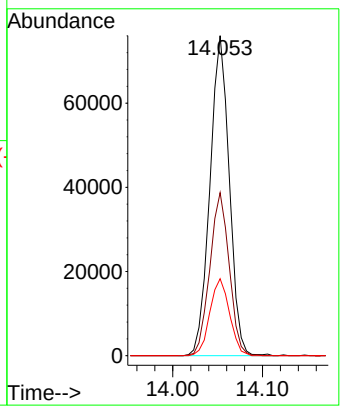


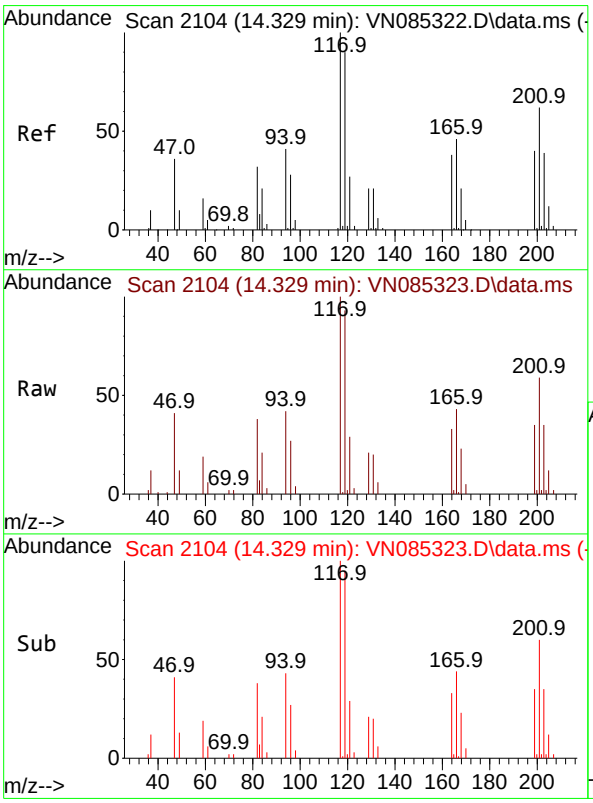
#89
n-Butylbenzene
Concen: 22.006 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 113729

Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	24.4	12.1	36.3

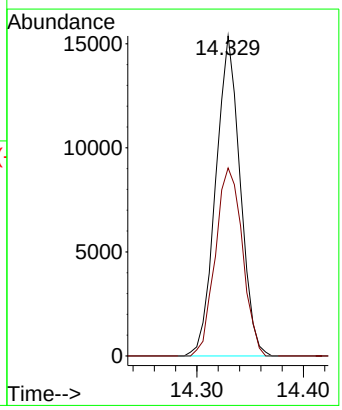


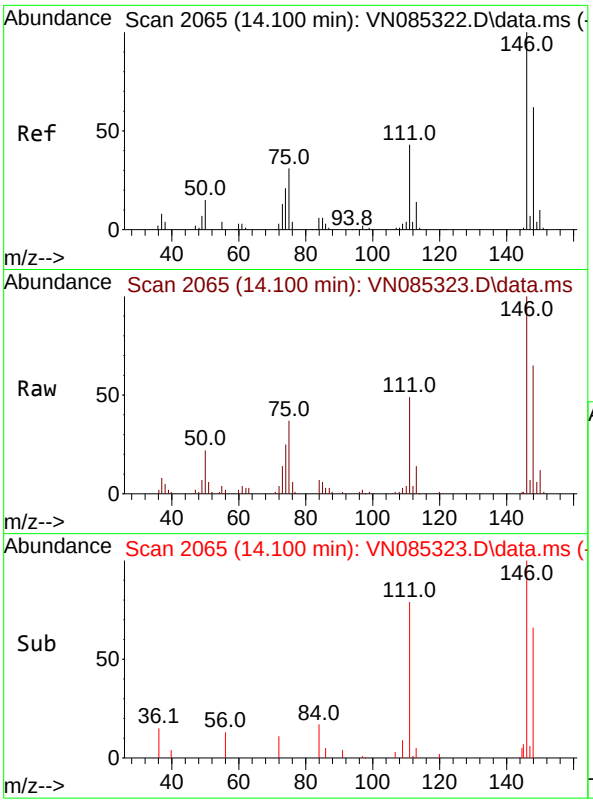


#90
Hexachloroethane
Concen: 21.128 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:117 Resp: 24441

Ion	Ratio	Lower	Upper
117	100		
201	65.2	30.7	92.1



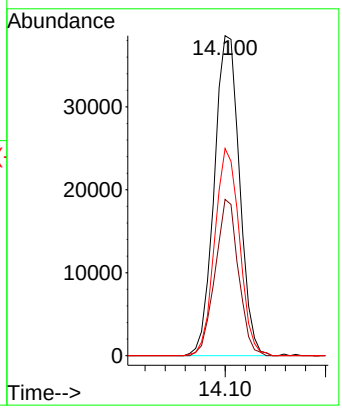


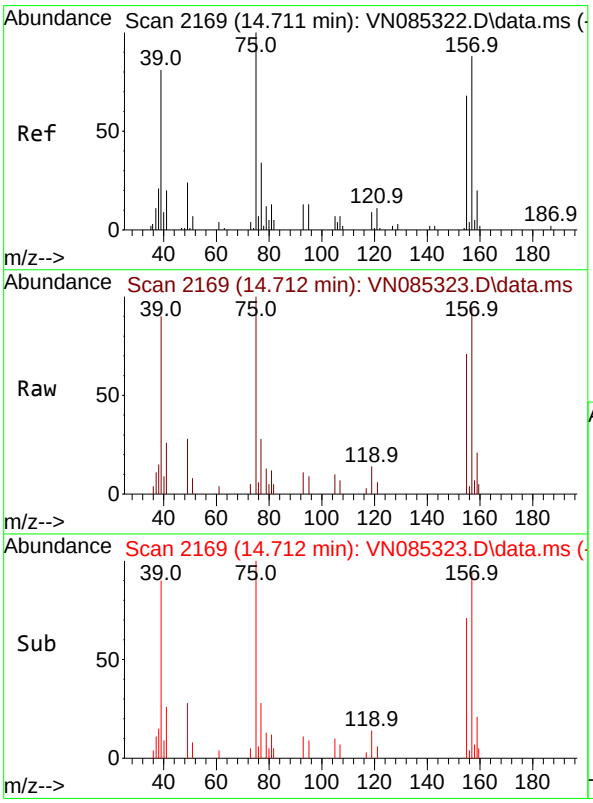
#91
1,2-Dichlorobenzene
Concen: 21.735 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 67480

Ion	Ratio	Lower	Upper
146	100		
111	45.2	21.8	65.3
148	63.5	31.4	94.2

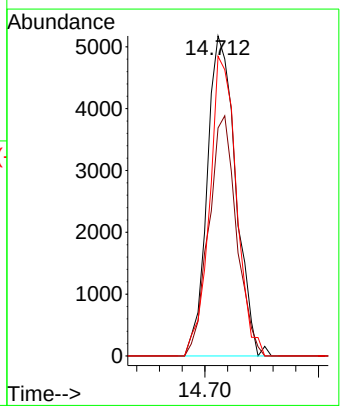


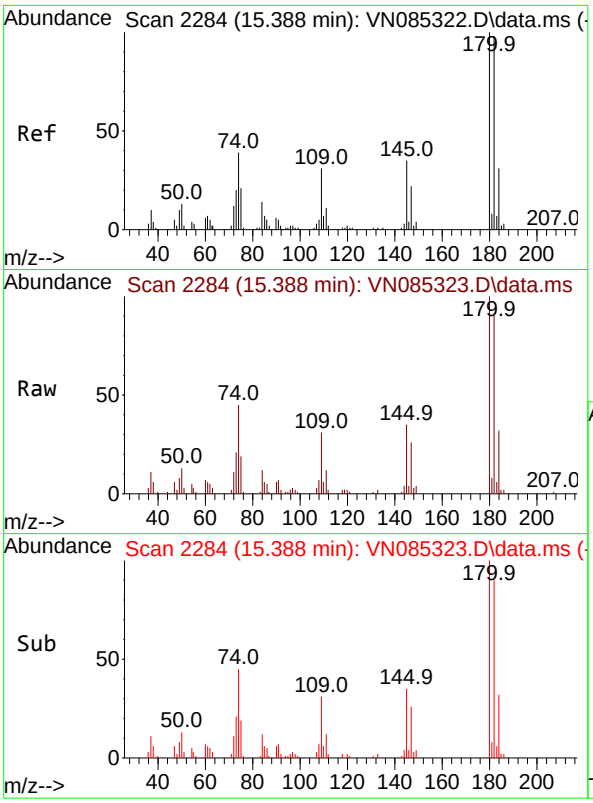


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.954 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion: 75 Resp: 9030

Ion	Ratio	Lower	Upper
75	100		
155	73.1	35.6	106.9
157	88.0	47.0	141.0



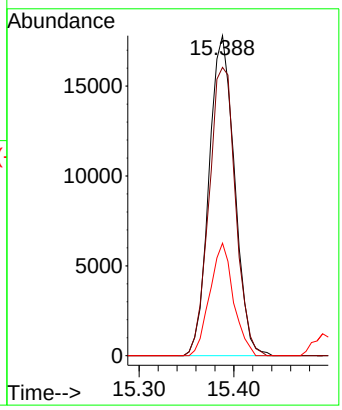


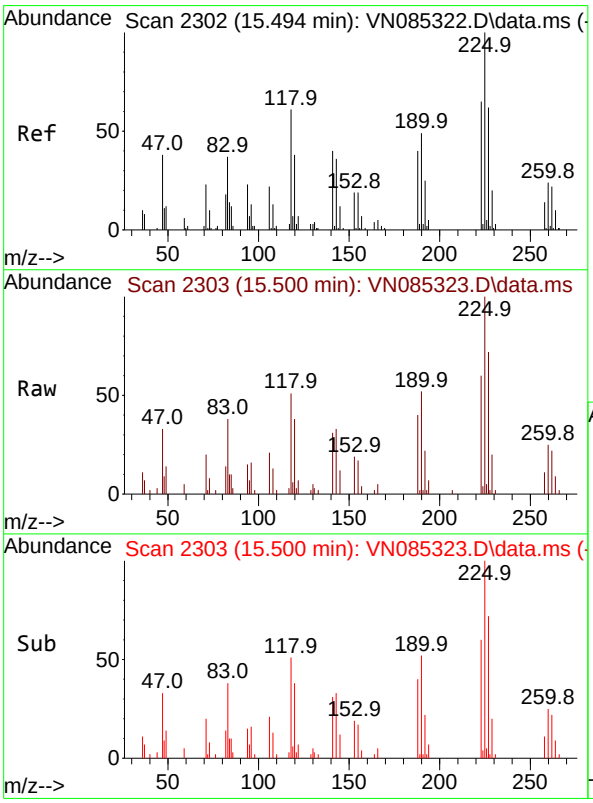
#93
1,2,4-Trichlorobenzene
Concen: 21.491 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 33300

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.2	141.6
145	32.5	16.6	49.8

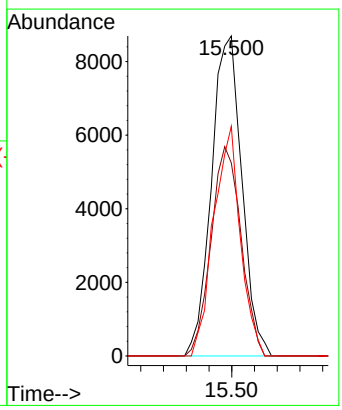


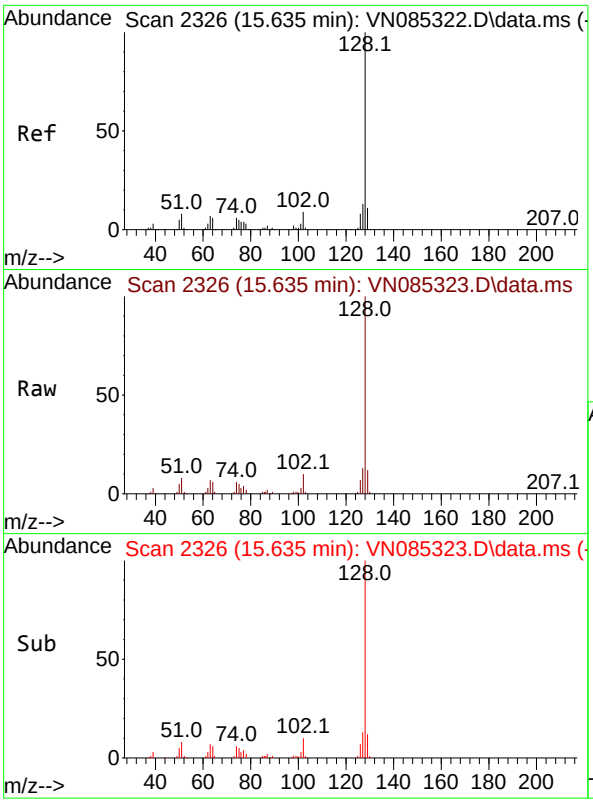


#94
Hexachlorobutadiene
Concen: 20.980 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:225 Resp: 16152

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.7
227	63.2	30.3	91.0



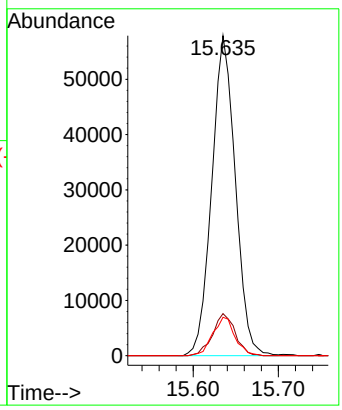


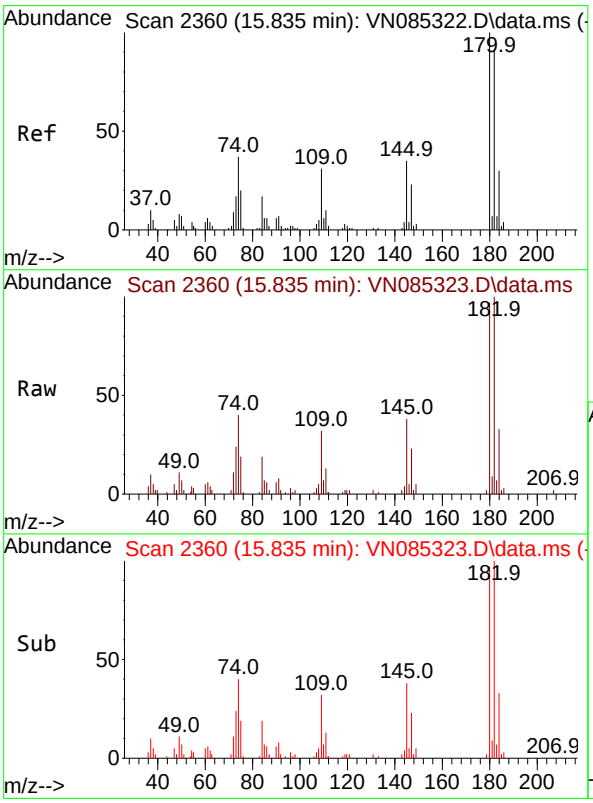
#95
Naphthalene
Concen: 21.170 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 111233

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.3	8.5	12.7

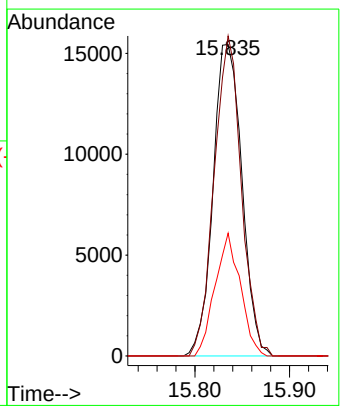




#96
1,2,3-Trichlorobenzene
Concen: 21.140 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085323.D
Acq: 27 Dec 2024 11:13

Tgt Ion:180 Resp: 32729

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.8	140.4
145	34.6	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Dec 28 00:08:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	139803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	19346	9.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.400%#		
35) Dibromofluoromethane	8.159	113	15144	9.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.480%#		
50) Toluene-d8	10.565	98	53607	9.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.780%#		
62) 4-Bromofluorobenzene	12.841	95	17328	9.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	18.280%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	19552	10.341	ug/l	97
3) Chloromethane	2.359	50	20670	9.727	ug/l #	88
4) Vinyl Chloride	2.518	62	21838	9.717	ug/l	95
5) Bromomethane	2.965	94	15112	10.281	ug/l	84
6) Chloroethane	3.130	64	14417	10.115	ug/l	97
7) Trichlorofluoromethane	3.495	101	30029	10.165	ug/l	90
8) Diethyl Ether	3.965	74	10096	10.321	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	17168	10.213	ug/l	99
10) Methyl Iodide	4.589	142	18635	9.579	ug/l #	90
11) Tert butyl alcohol	5.506	59	12805	51.284	ug/l	96
12) 1,1-Dichloroethene	4.342	96	15070	9.700	ug/l	90
13) Acrolein	4.183	56	19853	50.999	ug/l	98
14) Allyl chloride	5.030	41	25157	10.118	ug/l	95
15) Acrylonitrile	5.718	53	39955	50.840	ug/l	97
16) Acetone	4.424	43	32542	49.631	ug/l	92
17) Carbon Disulfide	4.712	76	44938	9.508	ug/l	98
18) Methyl Acetate	5.018	43	20355	10.140	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	50046	9.911	ug/l	94
20) Methylene Chloride	5.277	84	17446	9.892	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	15908	9.802	ug/l	96
22) Diisopropyl ether	6.665	45	53406	9.967	ug/l	99
23) Vinyl Acetate	6.600	43	210836	52.014	ug/l	99
24) 1,1-Dichloroethane	6.565	63	31897	9.883	ug/l	99
25) 2-Butanone	7.482	43	50628	49.771	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27809	9.834	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	18276	9.595	ug/l	91
28) Bromochloromethane	7.812	49	14957	9.972	ug/l #	99
29) Tetrahydrofuran	7.835	42	33255	50.752	ug/l	98
30) Chloroform	7.959	83	32453	9.828	ug/l	99
31) Cyclohexane	8.253	56	29511	10.013	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	29271	9.926	ug/l	93
36) 1,1-Dichloropropene	8.365	75	22034	9.675	ug/l	99
37) Ethyl Acetate	7.559	43	23298	10.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	24491	9.866	ug/l	99
39) Methylcyclohexane	9.600	83	22448	9.500	ug/l	98
40) Benzene	8.600	78	67603	9.818	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Dec 28 00:08:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	12091	10.429	ug/l		95
42) 1,2-Dichloroethane	8.671	62	24635	9.979	ug/l		100
43) Isopropyl Acetate	8.682	43	35967	9.650	ug/l		98
44) Trichloroethene	9.347	130	15441	9.472	ug/l		99
45) 1,2-Dichloropropane	9.618	63	17511	10.018	ug/l		99
46) Dibromomethane	9.706	93	12378	10.182	ug/l		98
47) Bromodichloromethane	9.882	83	25444	10.070	ug/l		94
48) Methyl methacrylate	9.676	41	15633	9.666	ug/l		97
49) 1,4-Dioxane	9.688	88	5366	219.898	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	106569	50.877	ug/l		100
52) Toluene	10.629	92	40396	9.853	ug/l		97
53) t-1,3-Dichloropropene	10.829	75	24100	9.699	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	26207	9.754	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	14839	9.586	ug/l		90
56) Ethyl methacrylate	10.871	69	22666	10.054	ug/l		99
57) 1,3-Dichloropropane	11.159	76	26800	9.864	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	57793	52.985	ug/l		100
59) 2-Hexanone	11.188	43	73420	50.521	ug/l		100
60) Dibromochloromethane	11.353	129	17232	9.884	ug/l		99
61) 1,2-Dibromoethane	11.465	107	15412	10.064	ug/l		98
64) Tetrachloroethene	11.094	164	14273	10.457	ug/l		97
65) Chlorobenzene	11.888	112	44413	9.541	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.953	131	15107	9.670	ug/l		98
67) Ethyl Benzene	11.959	91	73883	9.544	ug/l		97
68) m/p-Xylenes	12.065	106	54643	19.288	ug/l		98
69) o-Xylene	12.400	106	26323	9.605	ug/l		95
70) Styrene	12.406	104	41517	9.347	ug/l		97
71) Bromoform	12.570	173	10628	9.822	ug/l	#	96
73) Isopropylbenzene	12.694	105	65872	10.000	ug/l		98
74) N-amyl acetate	12.488	43	27209	9.650	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	21045	10.031	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	28127	10.569	ug/l		55
77) Bromobenzene	12.976	156	16311	9.995	ug/l		97
78) n-propylbenzene	13.029	91	78022	10.161	ug/l		98
79) 2-Chlorotoluene	13.123	91	49236	10.189	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	54193	10.171	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	7684	10.568	ug/l		94
82) 4-Chlorotoluene	13.217	91	48752	10.017	ug/l		100
83) tert-Butylbenzene	13.435	119	45946	9.955	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	53034	9.996	ug/l		97
85) sec-Butylbenzene	13.612	105	64824	10.118	ug/l		100
86) p-Isopropyltoluene	13.723	119	52240	10.127	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	28481	9.627	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	29343	9.655	ug/l		95
89) n-Butylbenzene	14.053	91	44284	9.440	ug/l		99
90) Hexachloroethane	14.329	117	10091	9.609	ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	29163	10.348	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3666	9.818	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	13416	9.538	ug/l		97
94) Hexachlorobutadiene	15.500	225	6870	9.830	ug/l		98
95) Naphthalene	15.641	128	44712	9.374	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	14070	10.012	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Dec 28 00:08:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

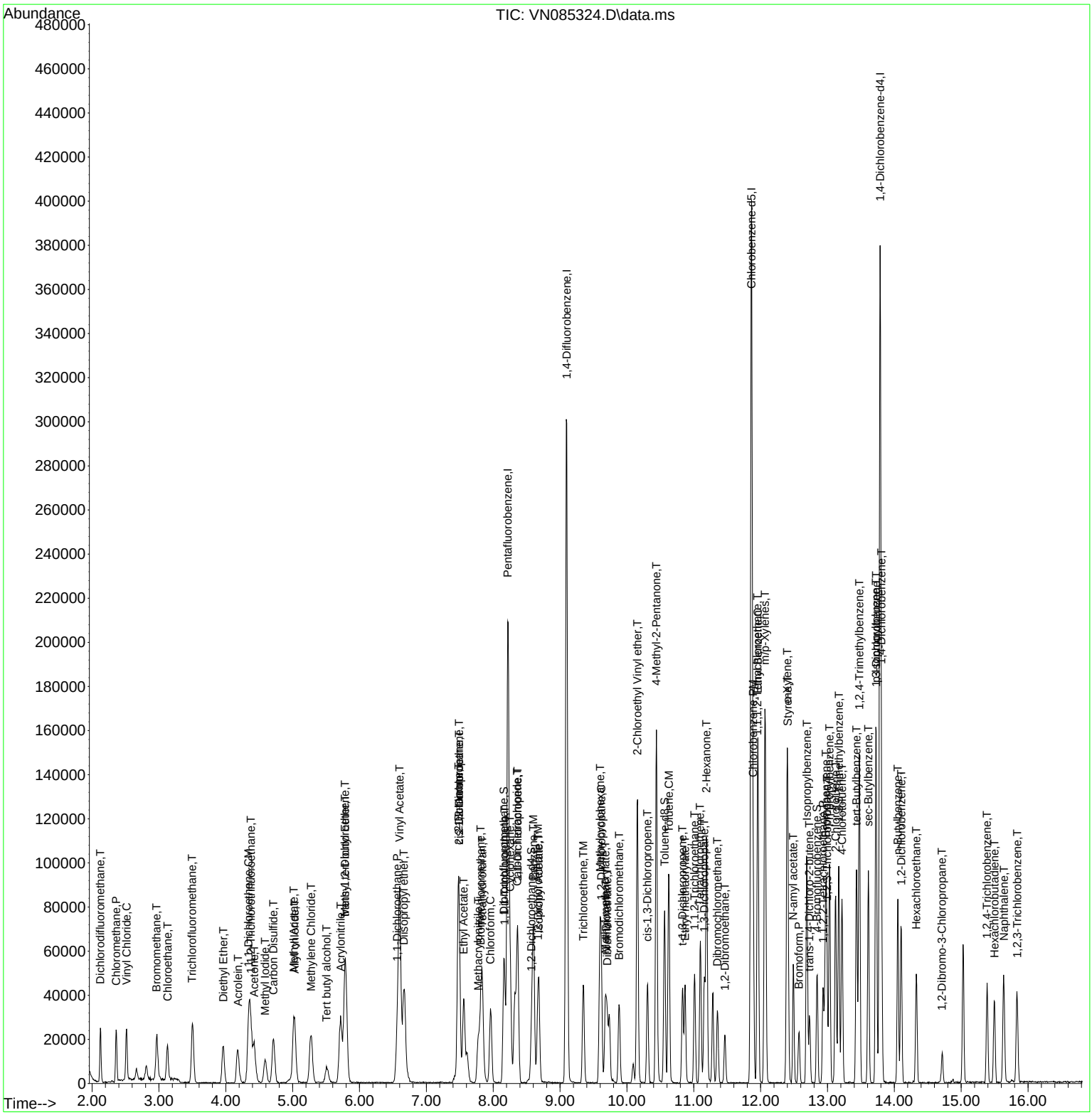
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

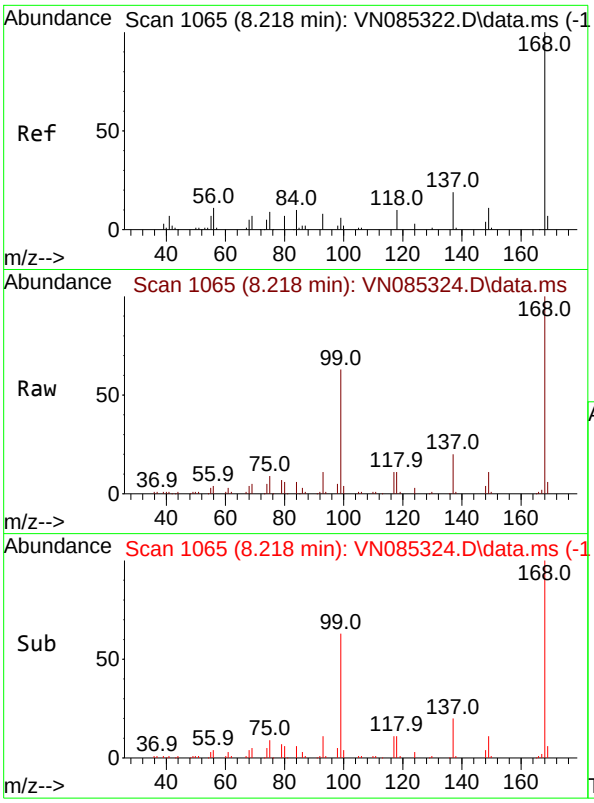
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Dec 28 00:08:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



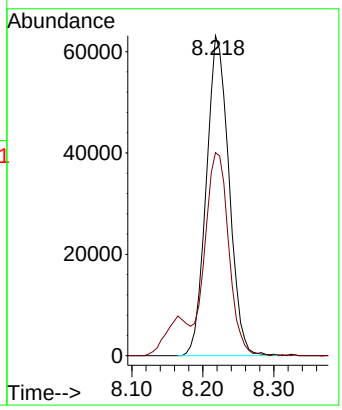


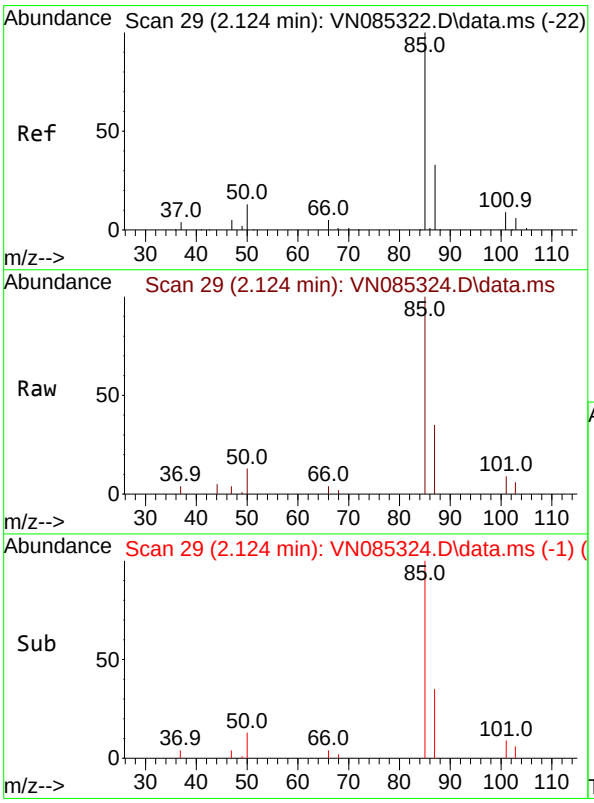
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:168 Resp: 139803

Ion	Ratio	Lower	Upper
168	100		
99	63.1	51.0	76.4

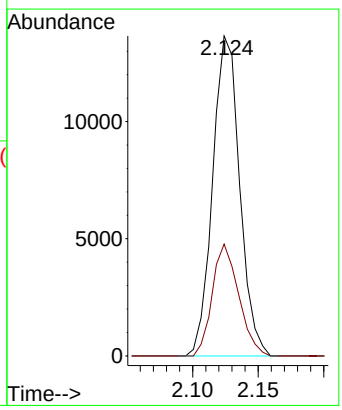


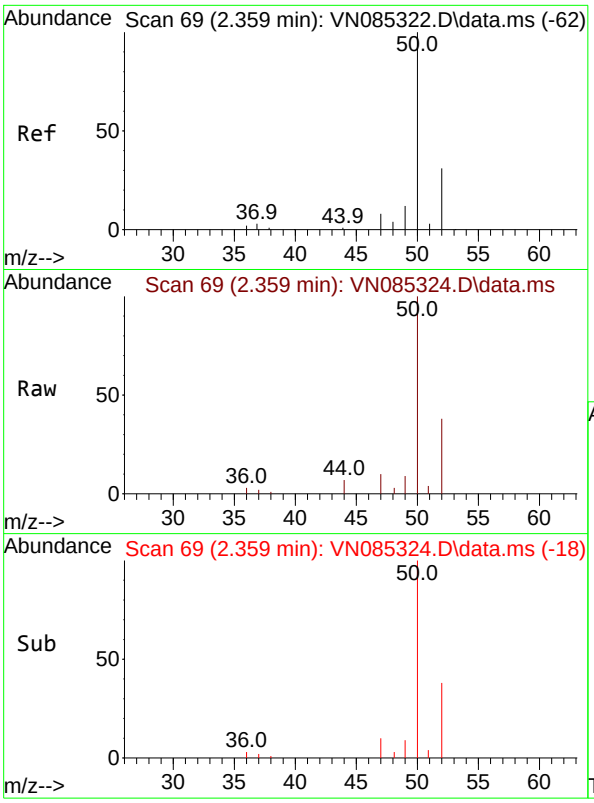


#2
Dichlorodifluoromethane
Concen: 10.341 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 85 Resp: 19552

Ion	Ratio	Lower	Upper
85	100		
87	35.0	16.8	50.3



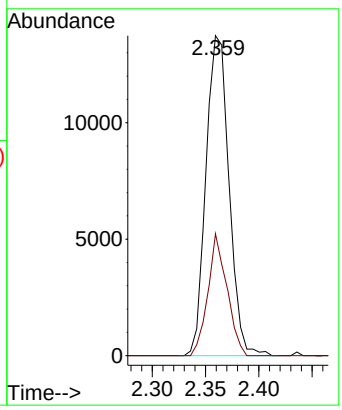


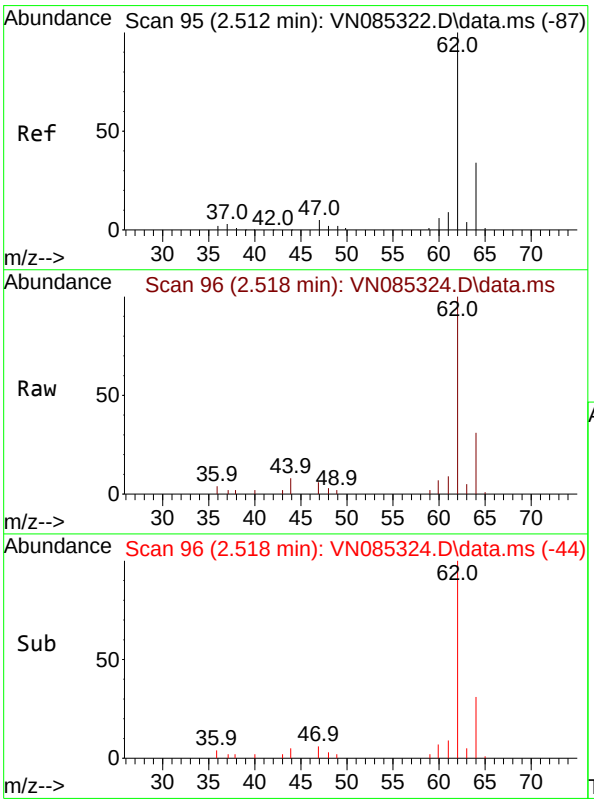
#3
Chloromethane
Concen: 9.727 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 20670

Ion	Ratio	Lower	Upper
50	100		
52	38.1	25.1	37.7#

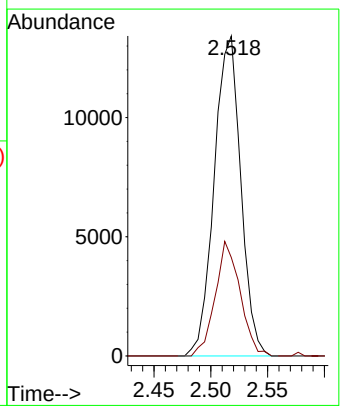


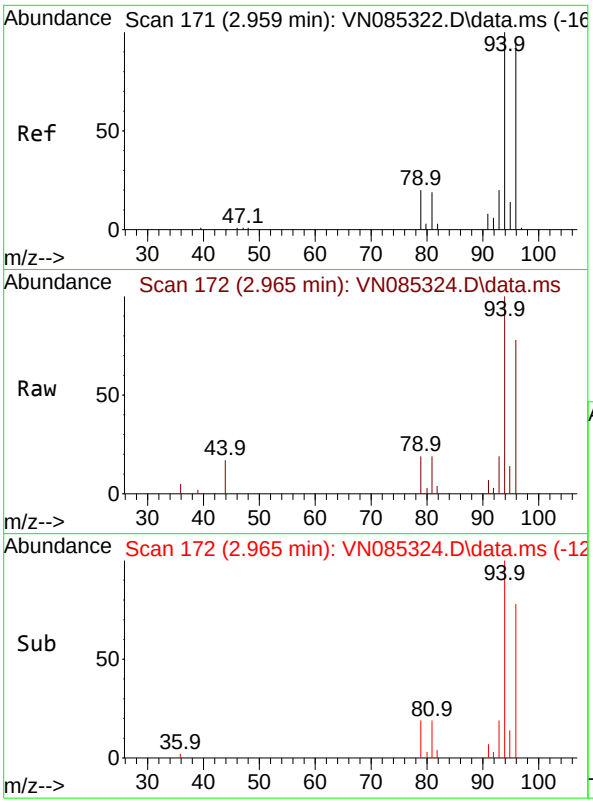


#4
Vinyl Chloride
Concen: 9.717 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 62 Resp: 21838

Ion	Ratio	Lower	Upper
62	100		
64	30.7	27.0	40.6



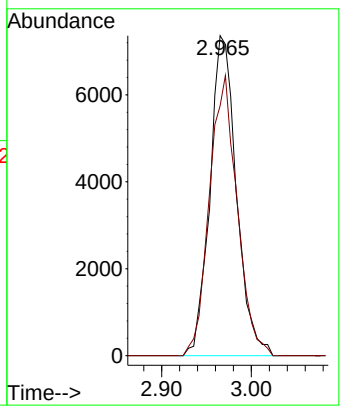


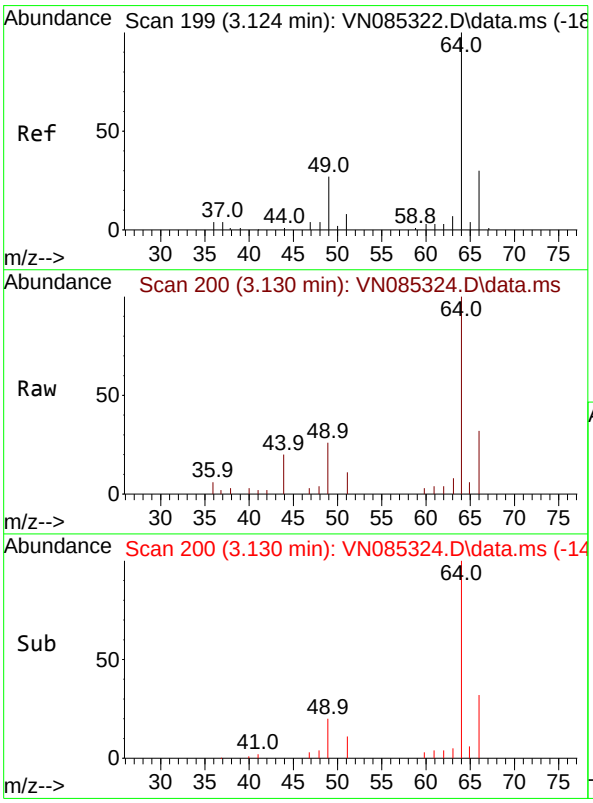
#5
Bromomethane
Concen: 10.281 ug/l
RT: 2.965 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 94 Resp: 15112

Ion	Ratio	Lower	Upper
94	100		
96	78.1	75.2	112.8

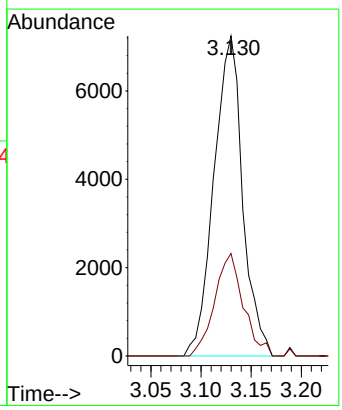


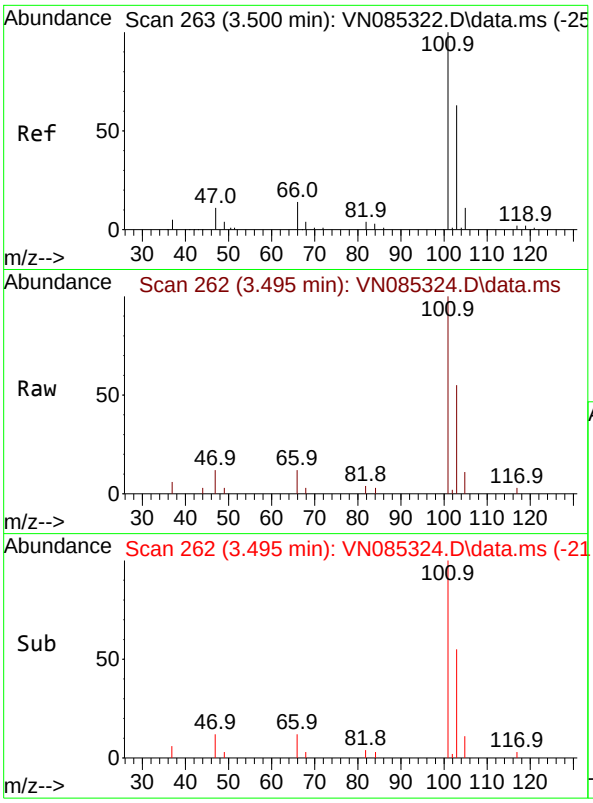


#6
Chloroethane
Concen: 10.115 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 64 Resp: 14417

Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.1	36.1



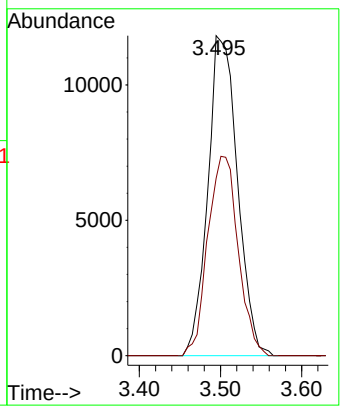


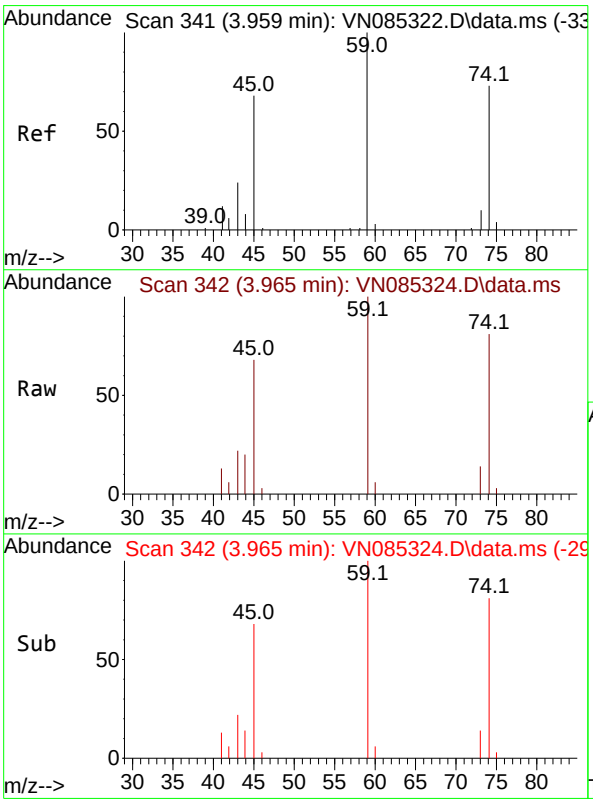
#7
Trichlorofluoromethane
Concen: 10.165 ug/l
RT: 3.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 30029

Ion	Ratio	Lower	Upper
101	100		
103	55.4	50.3	75.5

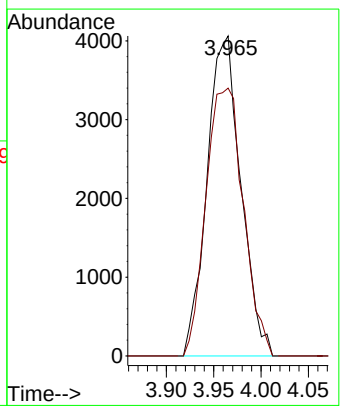


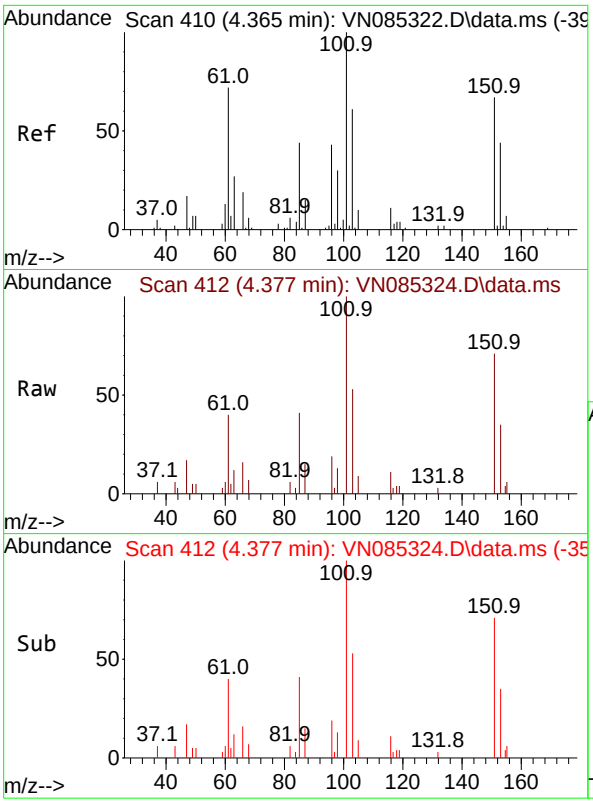


#8
Diethyl Ether
Concen: 10.321 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 74 Resp: 10096

Ion	Ratio	Lower	Upper
74	100		
45	92.6	47.5	142.6



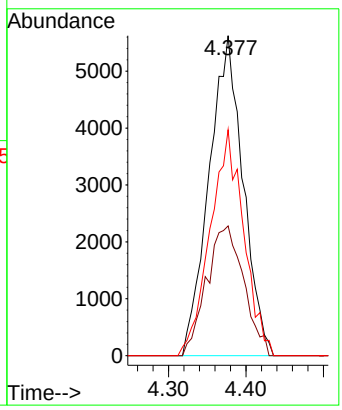


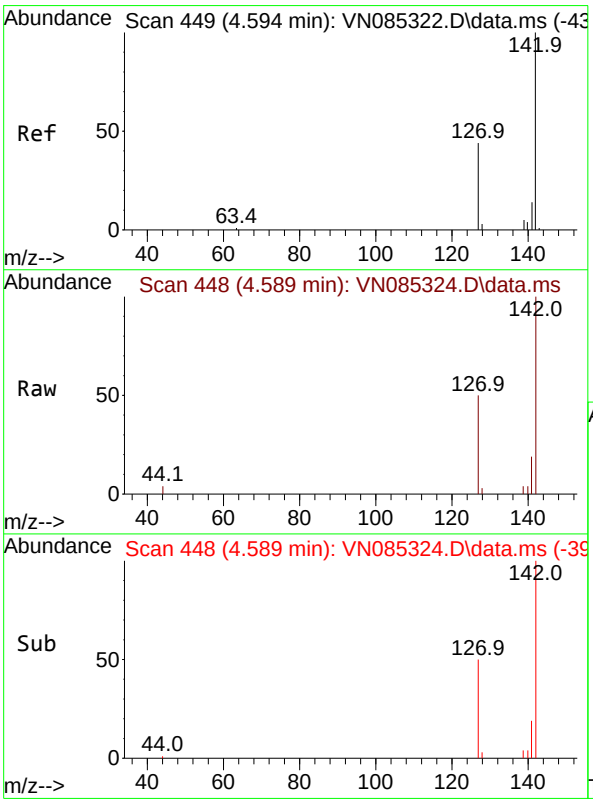
#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.213 ug/l
RT: 4.377 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:101 Resp: 17168

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	69.6	55.8	83.6

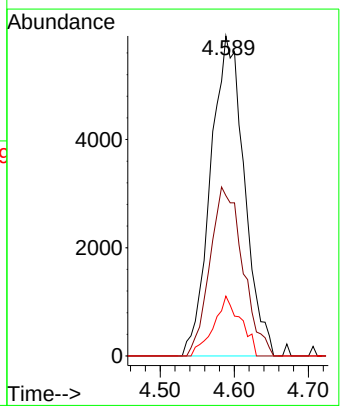


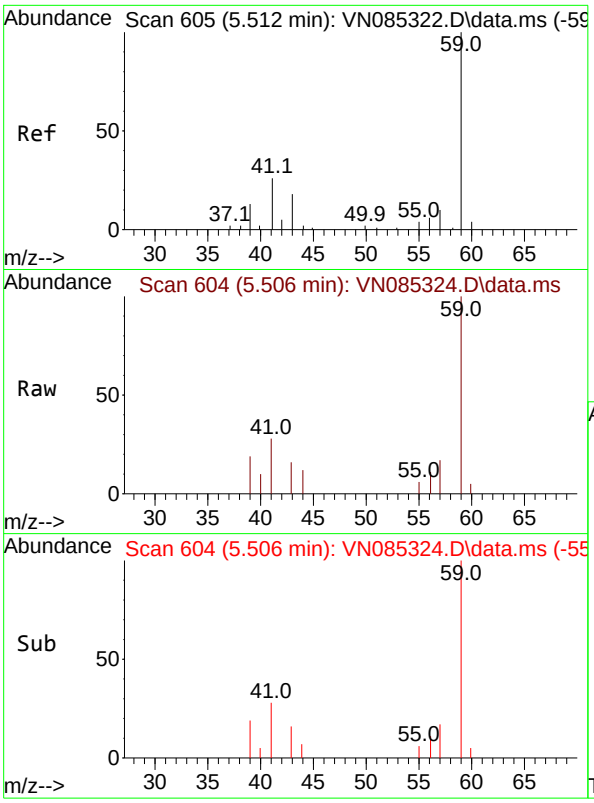


#10
Methyl Iodide
Concen: 9.579 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:142 Resp: 18635

Ion	Ratio	Lower	Upper
142	100		
127	50.1	35.3	52.9
141	18.7	11.5	17.3#



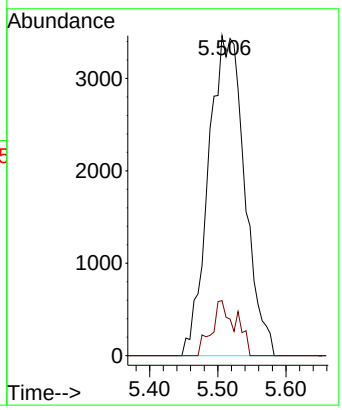


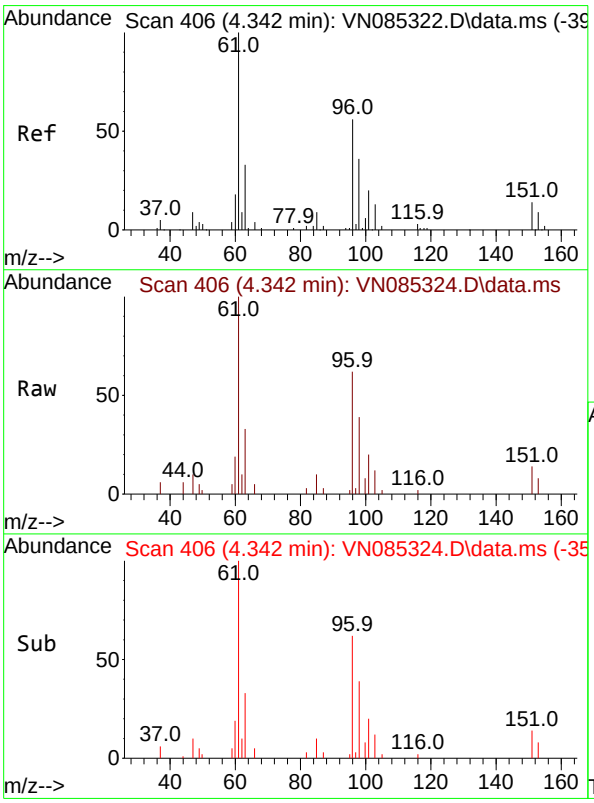
#11
Tert butyl alcohol
Concen: 51.284 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 59 Resp: 12805

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.1	12.1

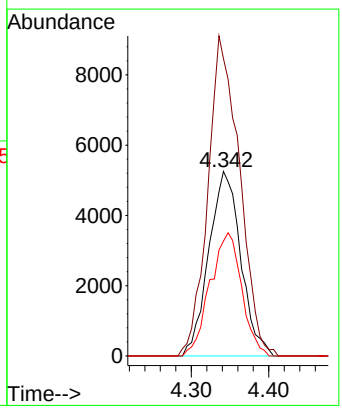


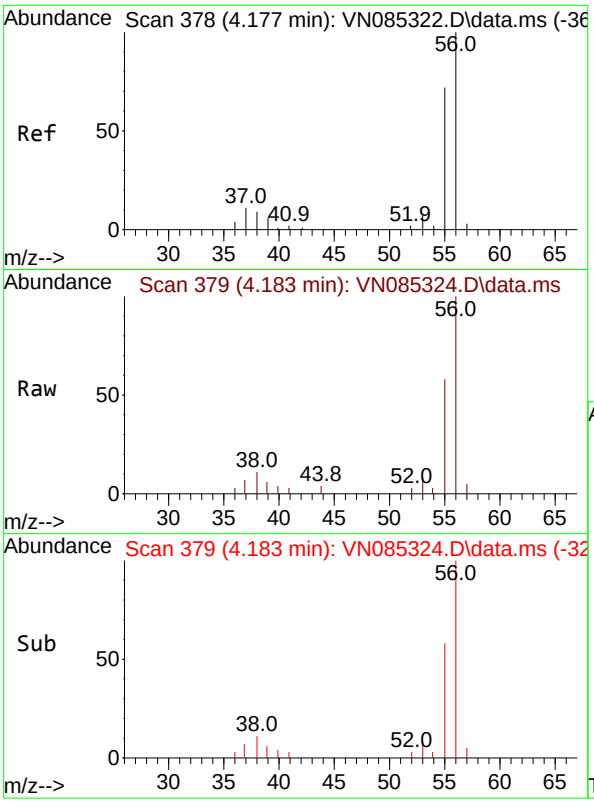


#12
1,1-Dichloroethene
Concen: 9.700 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 96 Resp: 15070

Ion	Ratio	Lower	Upper
96	100		
61	161.1	142.4	213.6
98	62.3	51.5	77.3



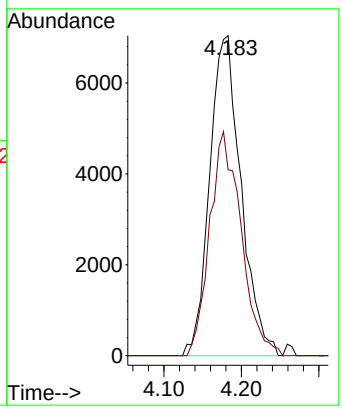


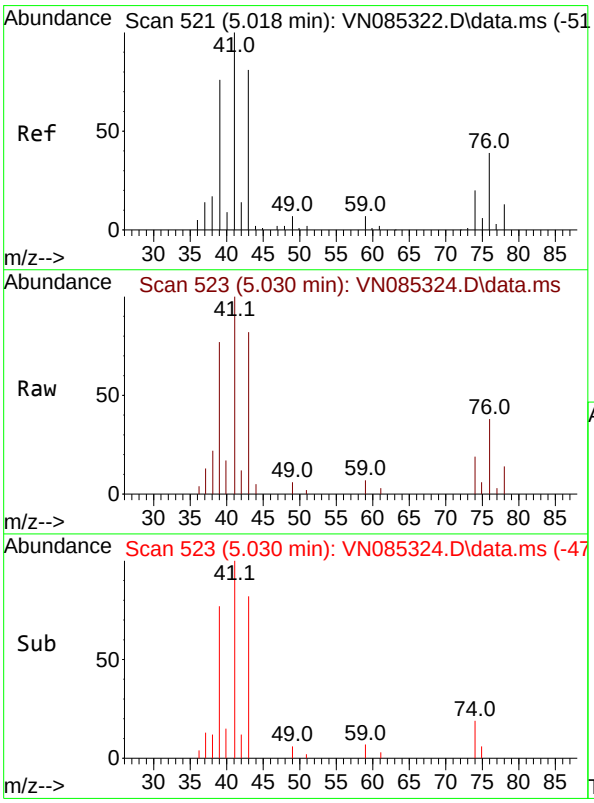
#13
Acrolein
Concen: 50.999 ug/l
RT: 4.183 min Scan# 3
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 19853

Ion	Ratio	Lower	Upper
56	100		
55	70.1	57.5	86.3

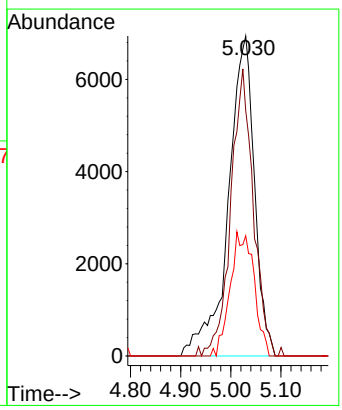


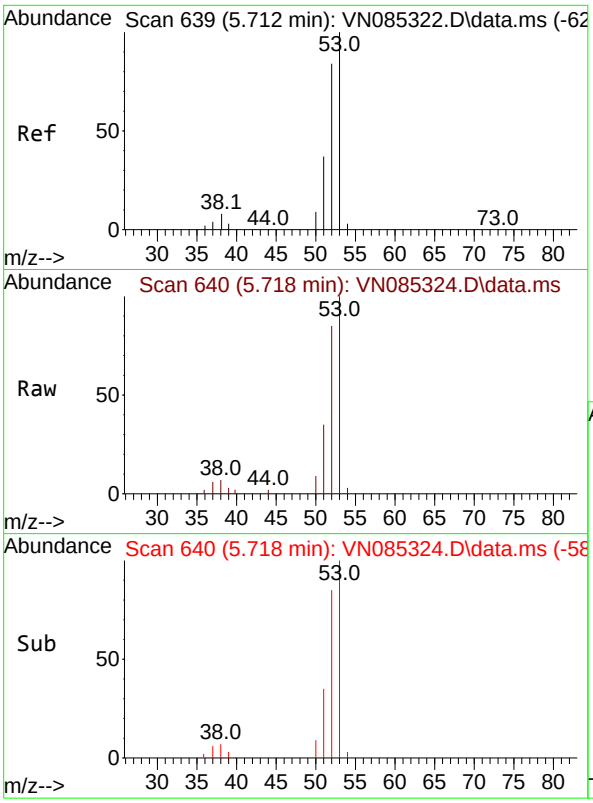


#14
Allyl chloride
Concen: 10.118 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 41 Resp: 25157

Ion	Ratio	Lower	Upper
41	100		
39	76.8	64.4	96.6
76	35.2	31.5	47.3



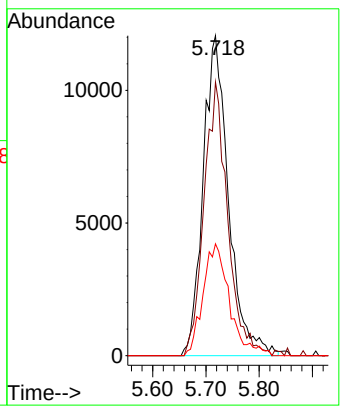


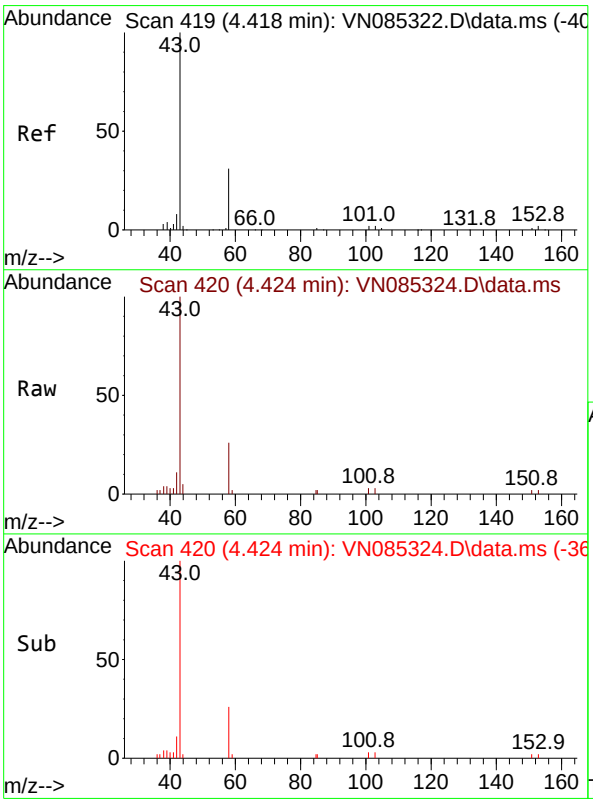
#15
Acrylonitrile
Concen: 50.840 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 53 Resp: 39955

Ion	Ratio	Lower	Upper
53	100		
52	79.7	66.6	100.0
51	36.5	29.6	44.4

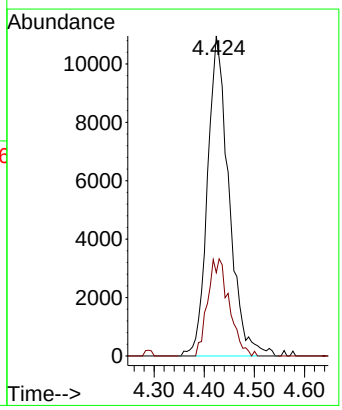


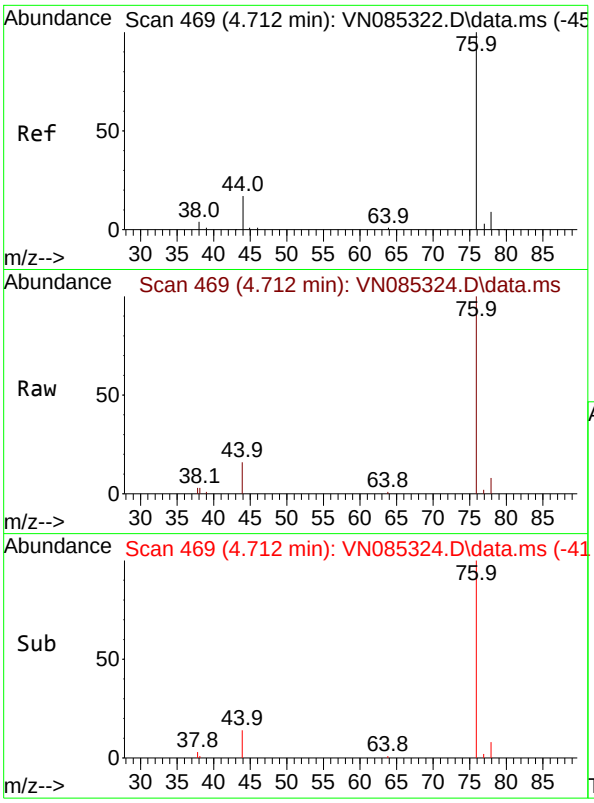


#16
Acetone
Concen: 49.631 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 32542

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.5	36.7



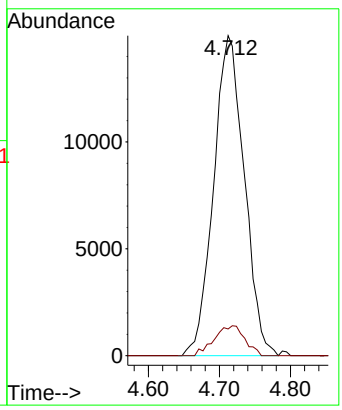


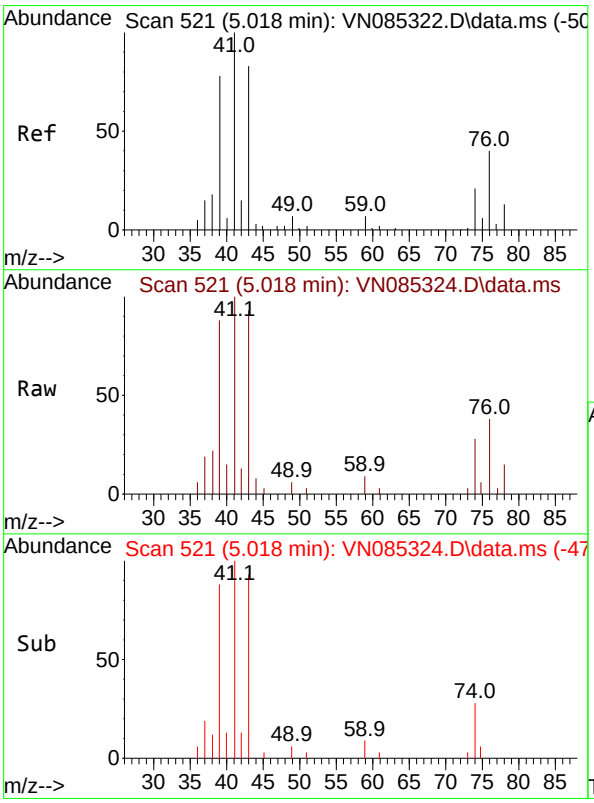
#17
Carbon Disulfide
Concen: 9.508 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 44938

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8

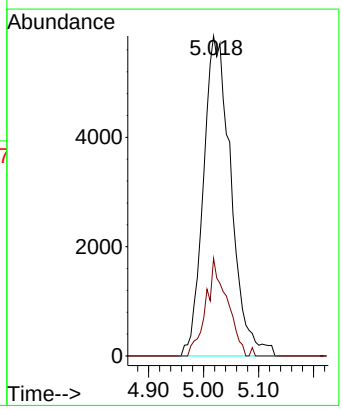


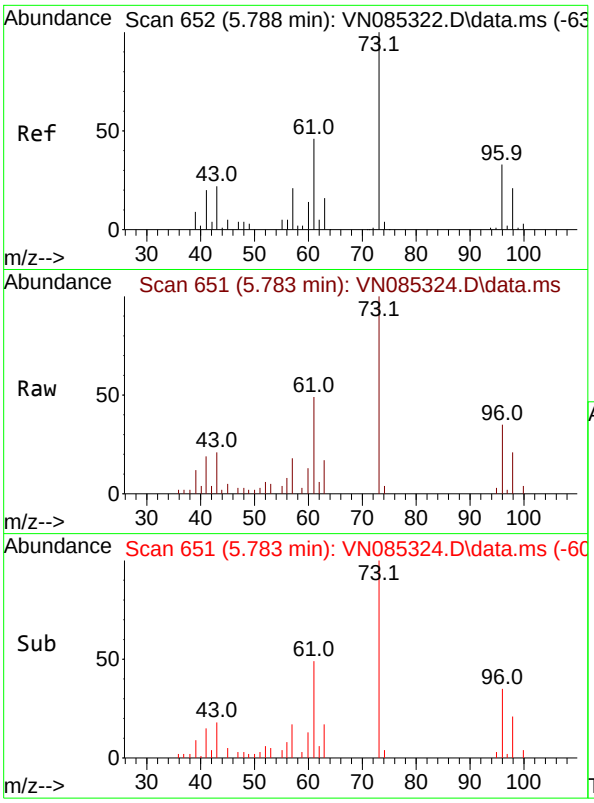


#18
Methyl Acetate
Concen: 10.140 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 20355

Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.0	28.6



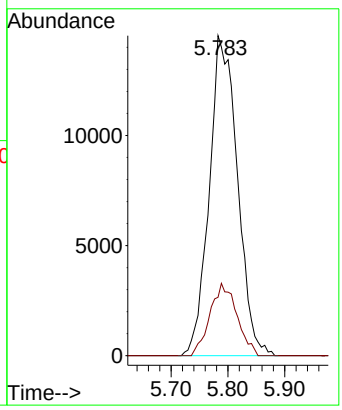


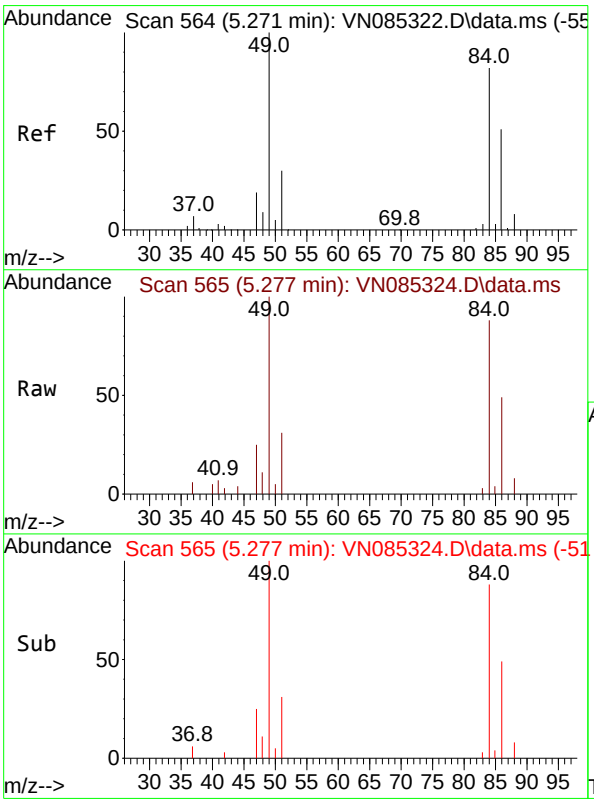
#19
Methyl tert-butyl Ether
Concen: 9.911 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 73 Resp: 50046

Ion	Ratio	Lower	Upper
73	100		
57	18.3	17.0	25.6

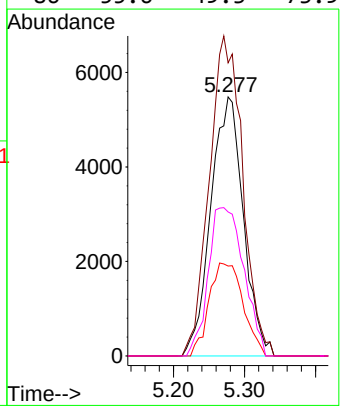


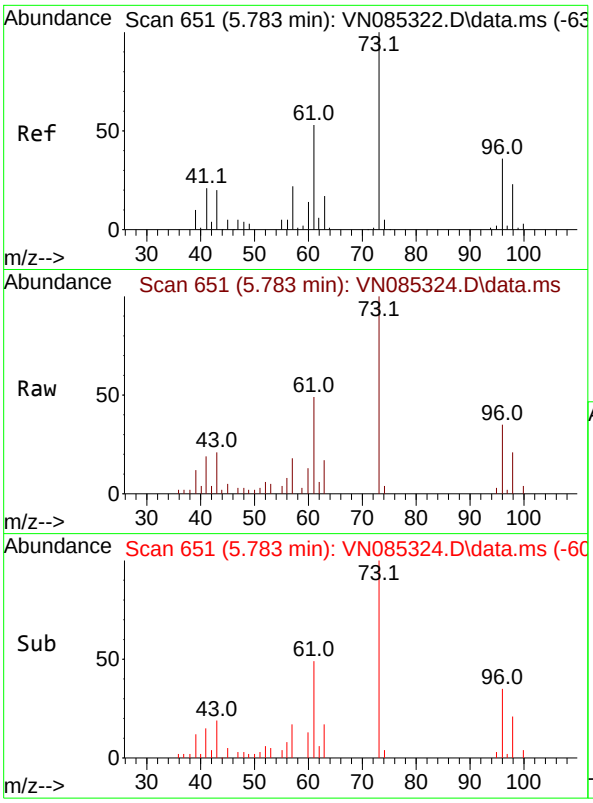


#20
Methylene Chloride
Concen: 9.892 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 84 Resp: 17446

Ion	Ratio	Lower	Upper
84	100		
49	113.2	97.6	146.4
51	34.7	29.1	43.7
86	55.6	49.3	73.9



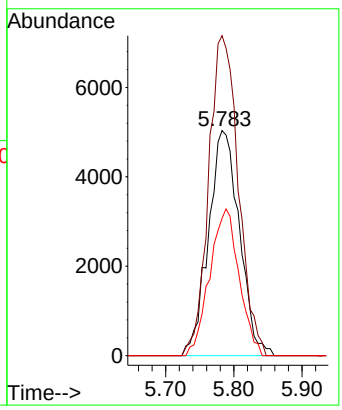


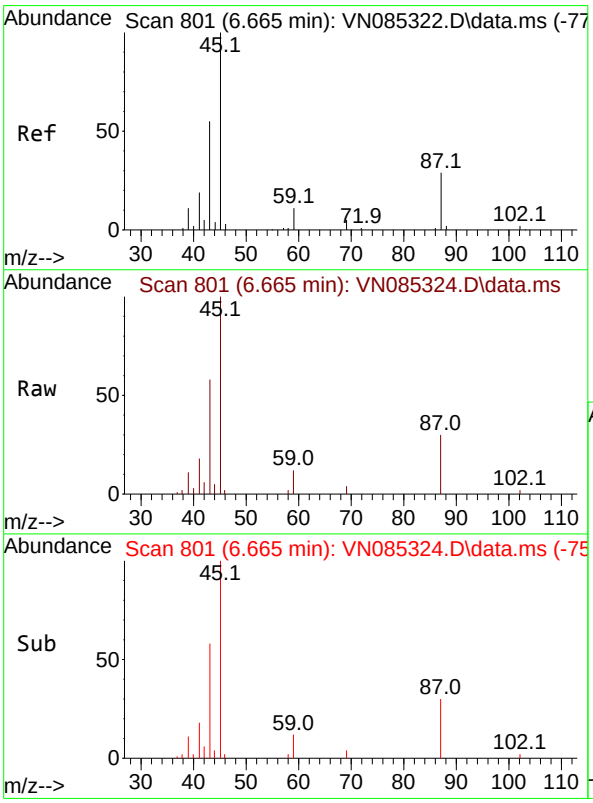
#21
trans-1,2-Dichloroethene
Concen: 9.802 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 15908

Ion	Ratio	Lower	Upper
96	100		
61	142.2	118.0	177.0
98	61.0	50.6	75.8

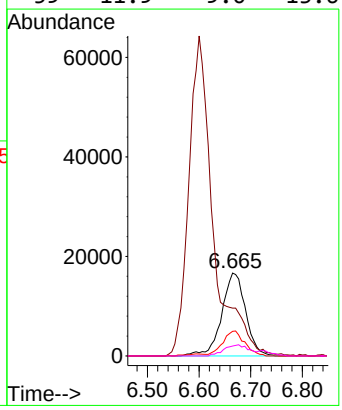


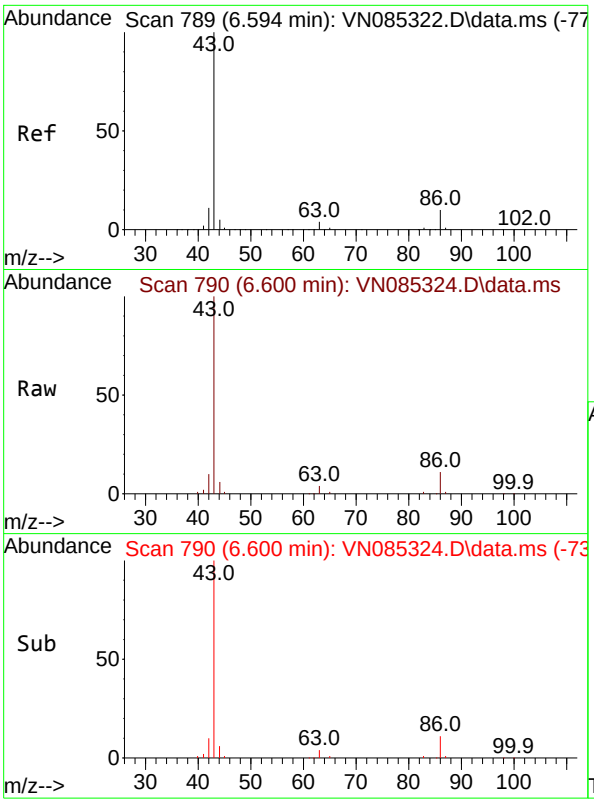


#22
Diisopropyl ether
Concen: 9.967 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 45 Resp: 53406

Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.1	66.1
87	29.7	23.2	34.8
59	11.9	9.0	13.6



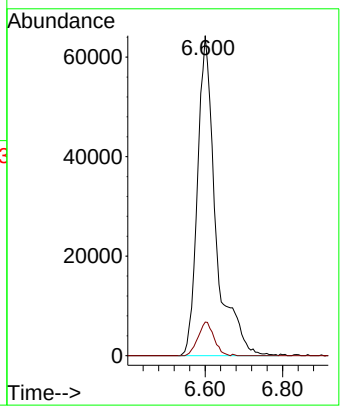


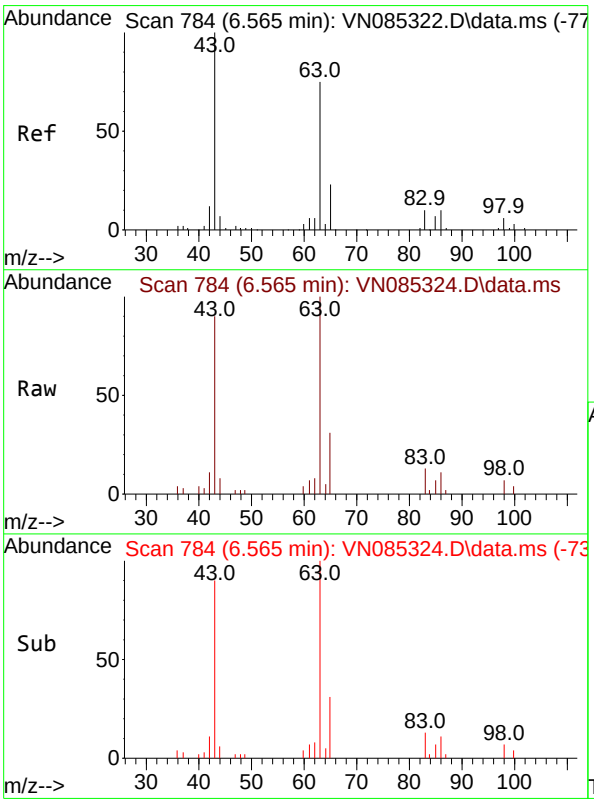
#23
Vinyl Acetate
Concen: 52.014 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 210836

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.0	12.0

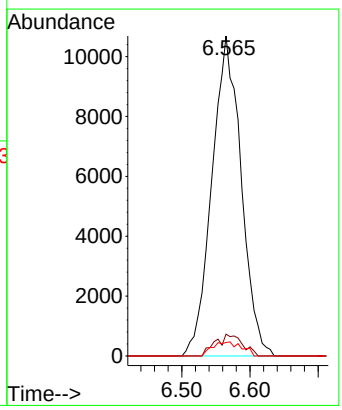


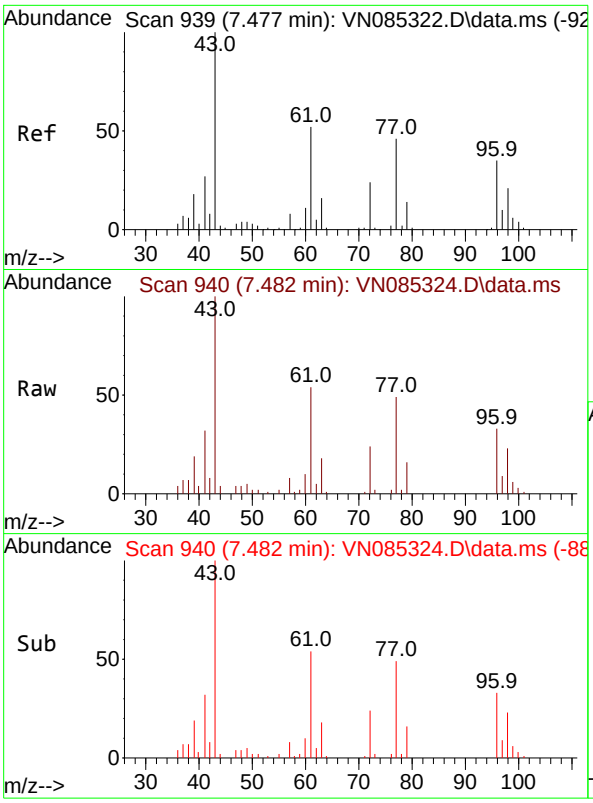


#24
1,1-Dichloroethane
Concen: 9.883 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 63 Resp: 31897

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.7	11.1
100	4.2	2.3	6.8



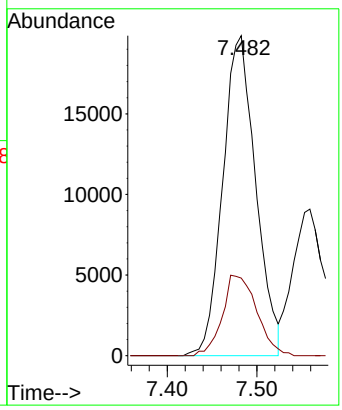


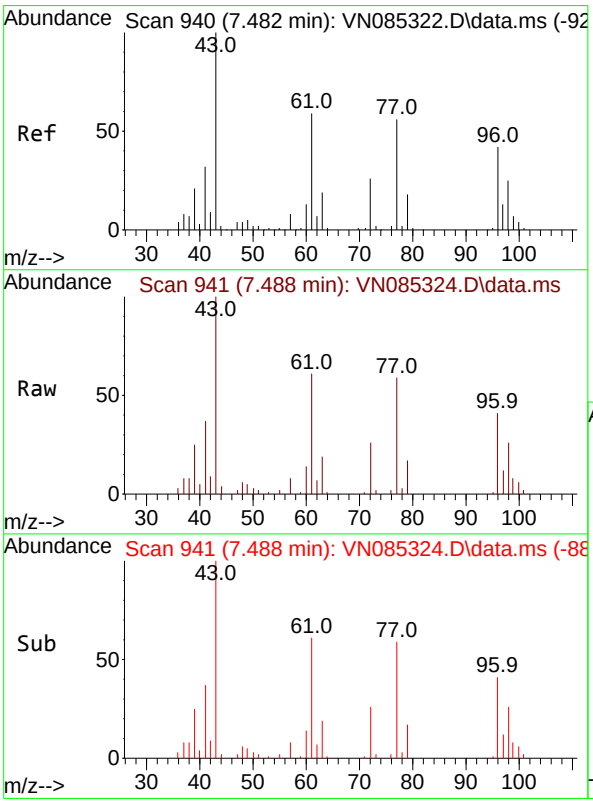
#25
2-Butanone
Concen: 49.771 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 50628

Ion	Ratio	Lower	Upper
43	100		
72	24.3	19.6	29.4

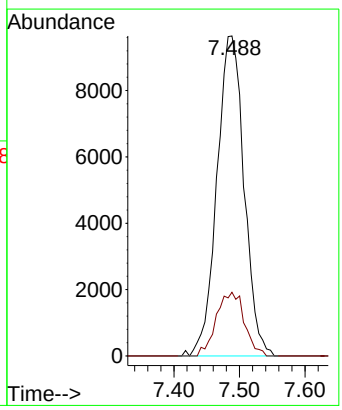


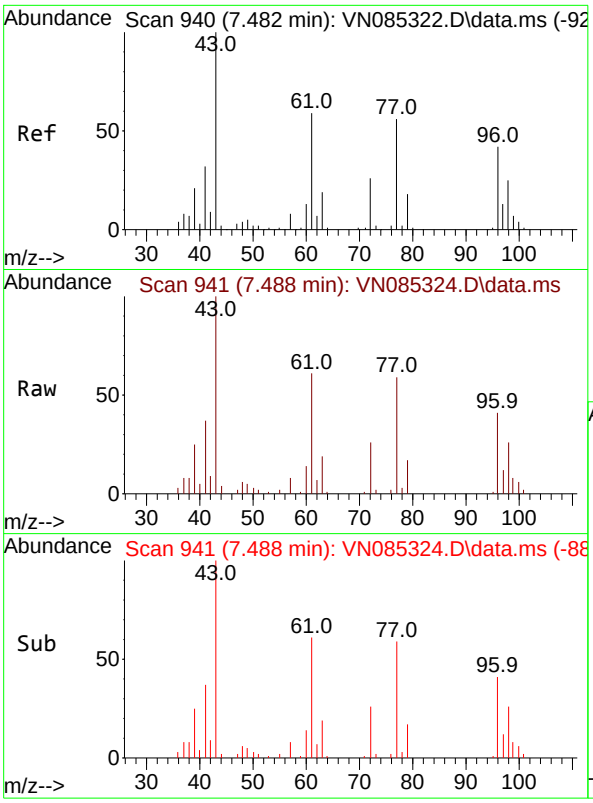


#26
2,2-Dichloropropane
Concen: 9.834 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 77 Resp: 27809

Ion	Ratio	Lower	Upper
77	100		
97	20.5	10.6	31.8



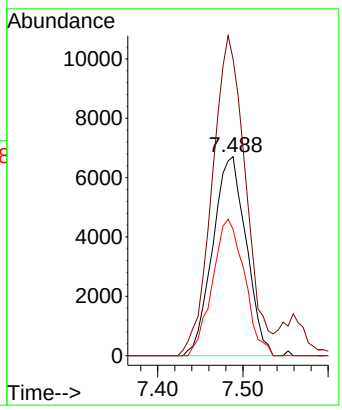


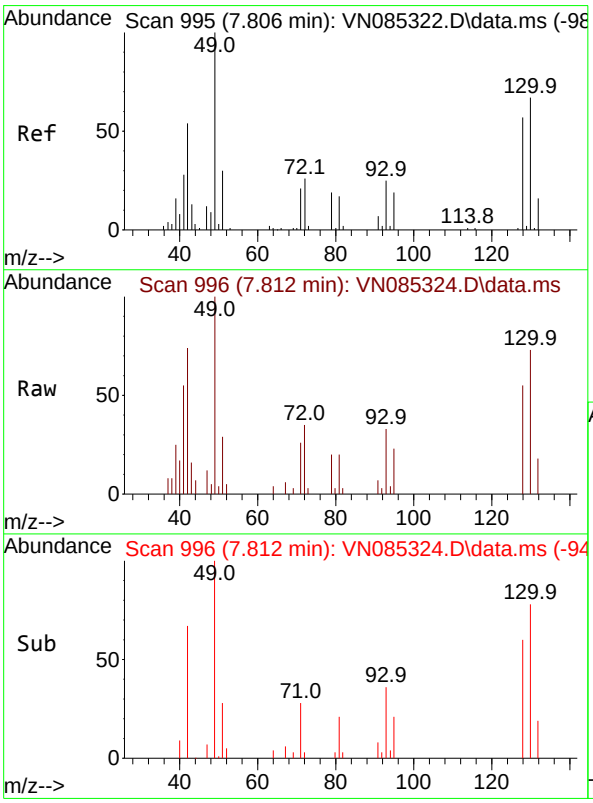
#27
cis-1,2-Dichloroethene
Concen: 9.595 ug/l
RT: 7.488 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 96 Resp: 18276

Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	296.4
98	66.0	0.0	124.2

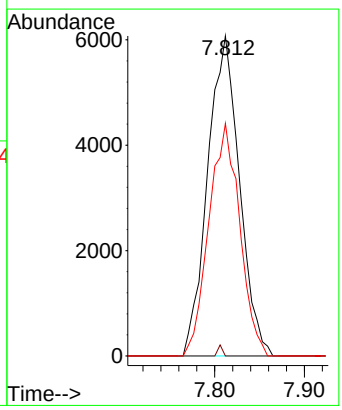


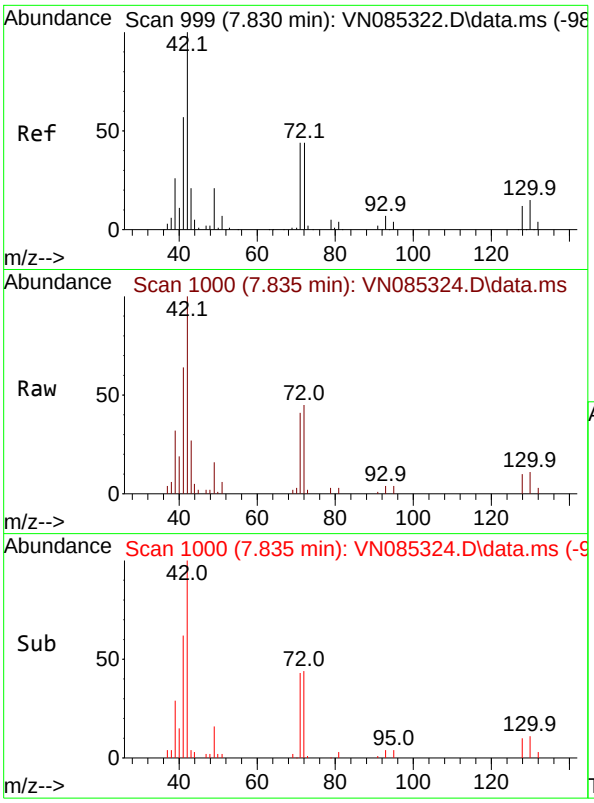


#28
Bromochloromethane
Concen: 9.972 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 49 Resp: 14957

Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.0
130	70.3	0.0	0.0#



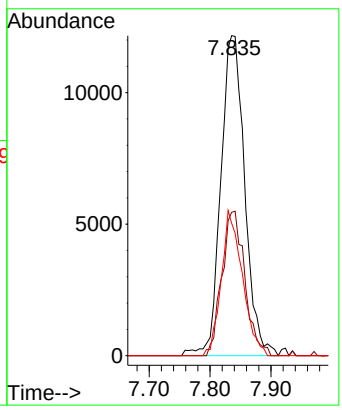


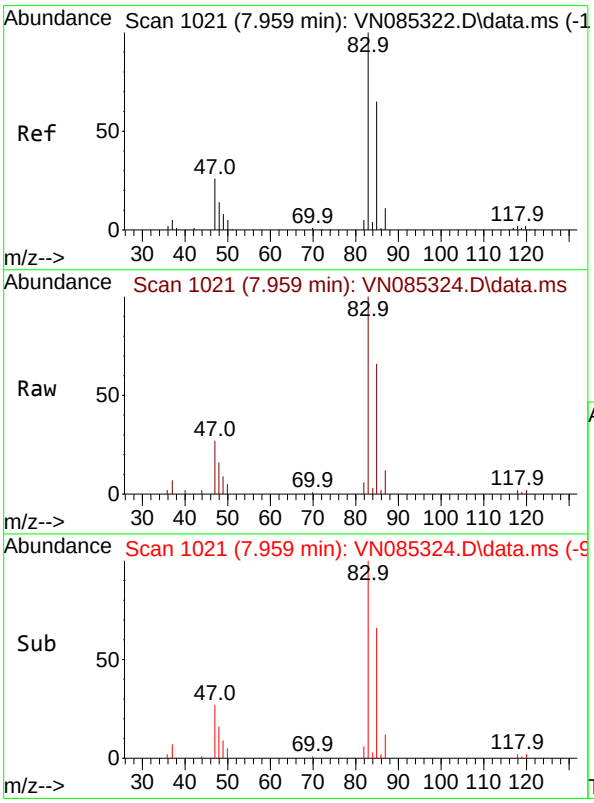
#29
Tetrahydrofuran
Concen: 50.752 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 42 Resp: 33255

Ion	Ratio	Lower	Upper
42	100		
72	43.2	35.1	52.7
71	40.0	33.4	50.0

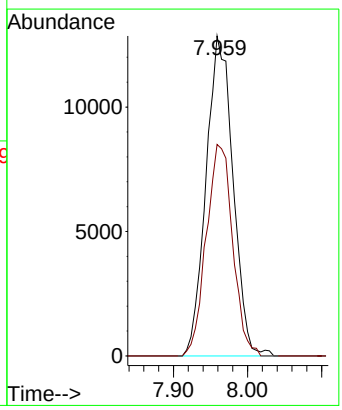


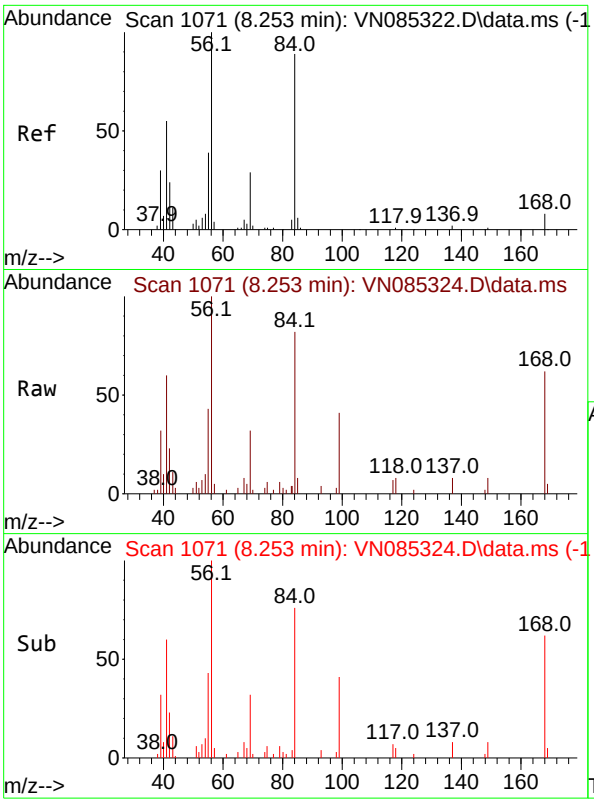


#30
Chloroform
Concen: 9.828 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 83 Resp: 32453

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.0	78.0



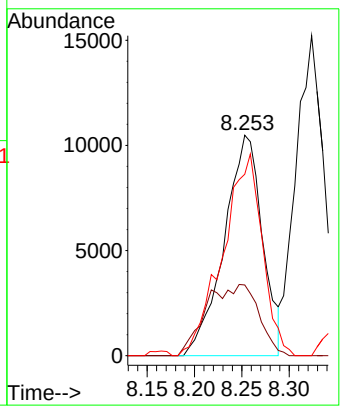


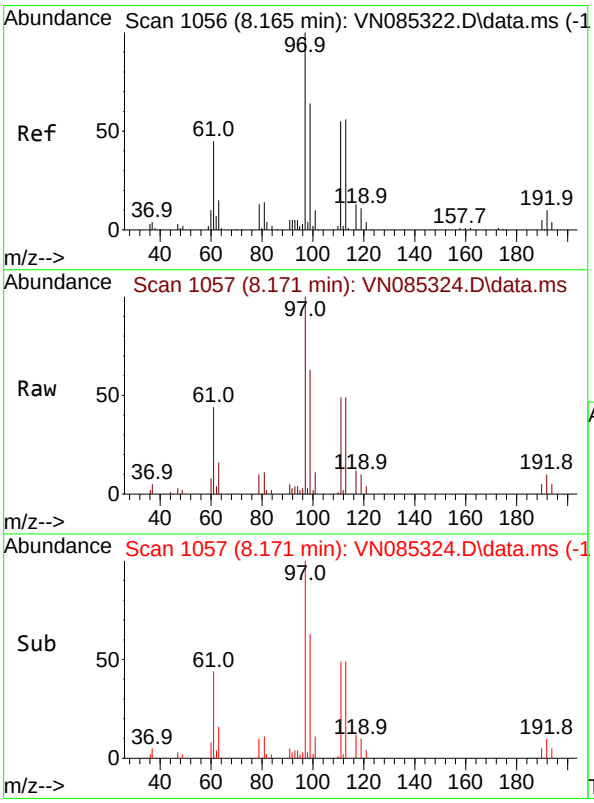
#31
Cyclohexane
Concen: 10.013 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 56 Resp: 29511

Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.4	35.0
84	82.3	71.0	106.6

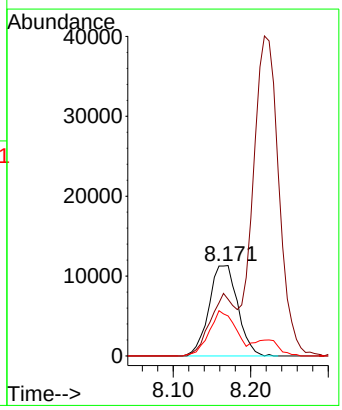


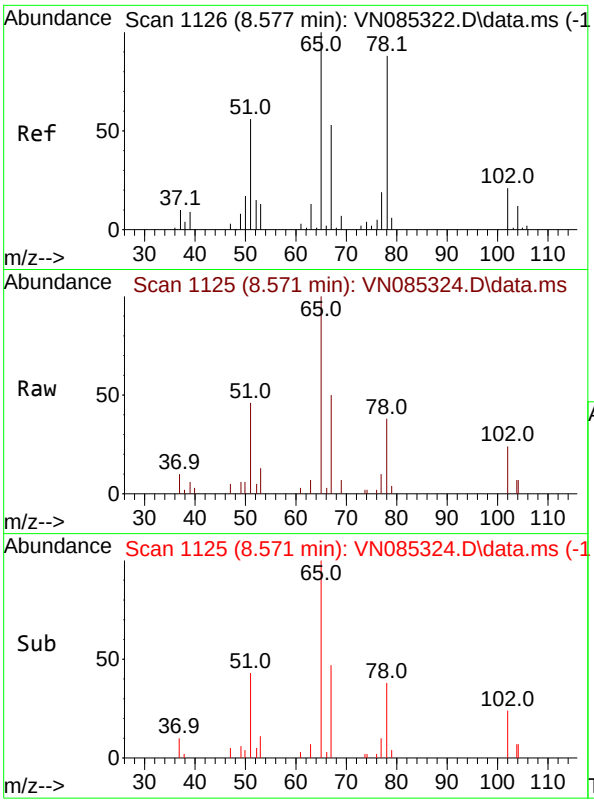


#32
1,1,1-Trichloroethane
Concen: 9.926 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 97 Resp: 29271

Ion	Ratio	Lower	Upper
97	100		
99	59.4	53.3	79.9
61	46.2	39.6	59.4



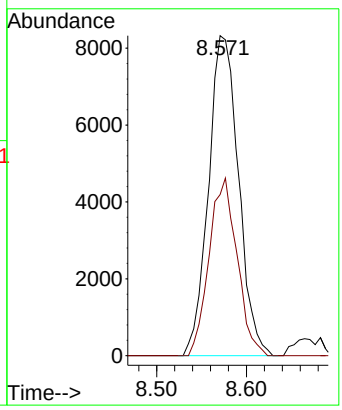


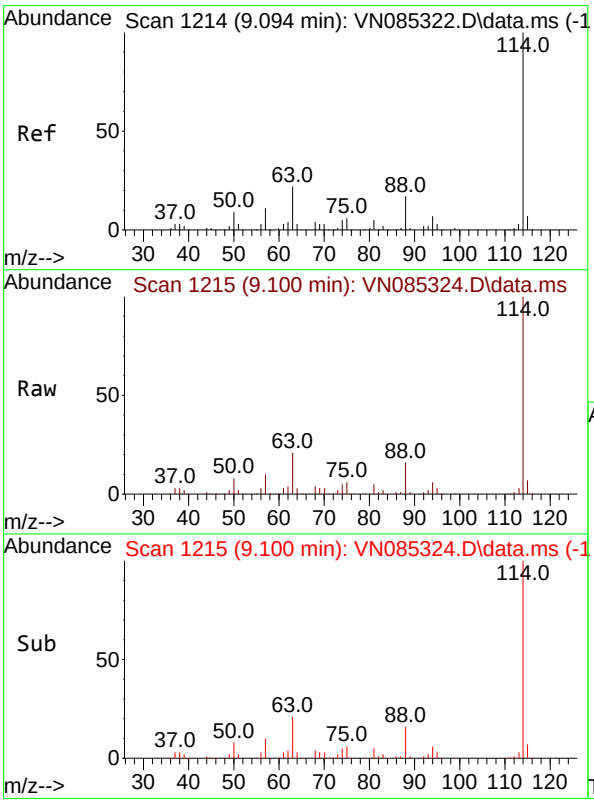
#33
1,2-Dichloroethane-d4
Concen: 9.702 ug/l
RT: 8.571 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 65 Resp: 19346

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0

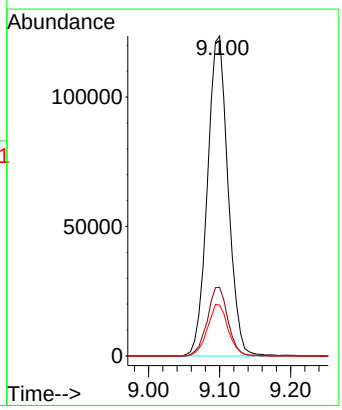


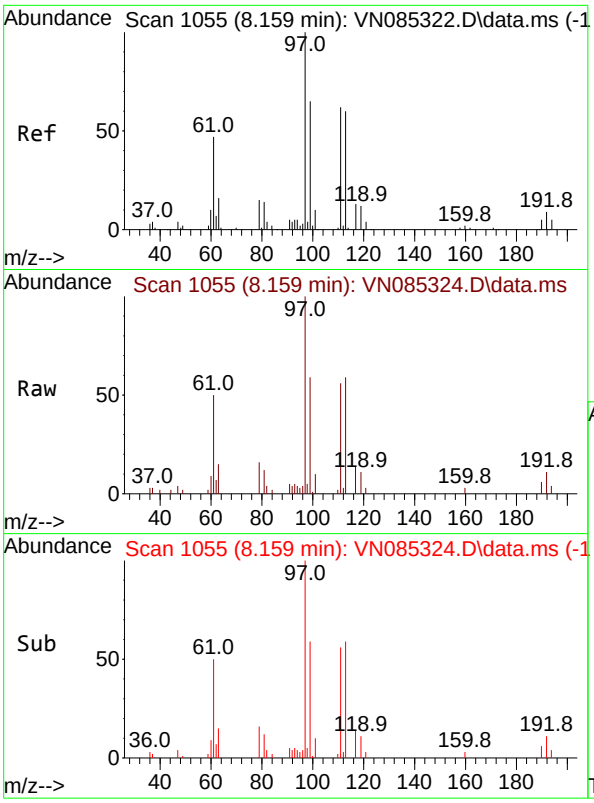


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:114 Resp: 249332

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.4
88	15.9	0.0	33.6



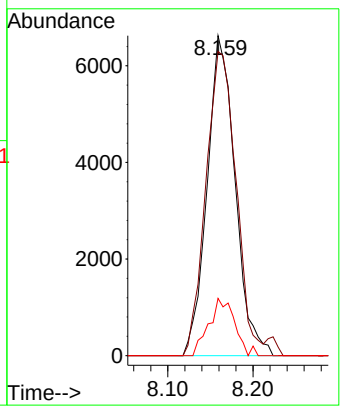


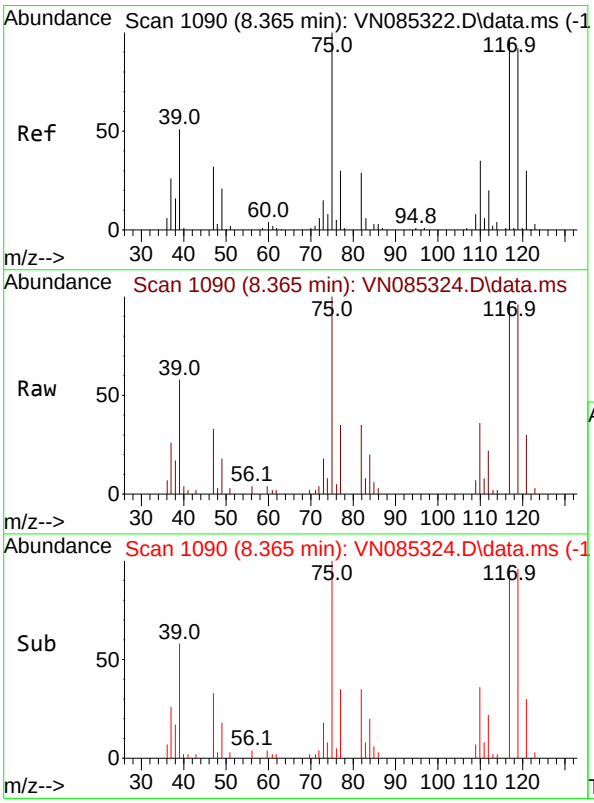
#35
Dibromofluoromethane
Concen: 9.736 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:113 Resp: 15144

Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.5	120.7
192	16.5	12.9	19.3

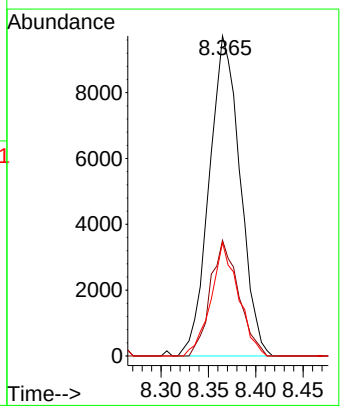


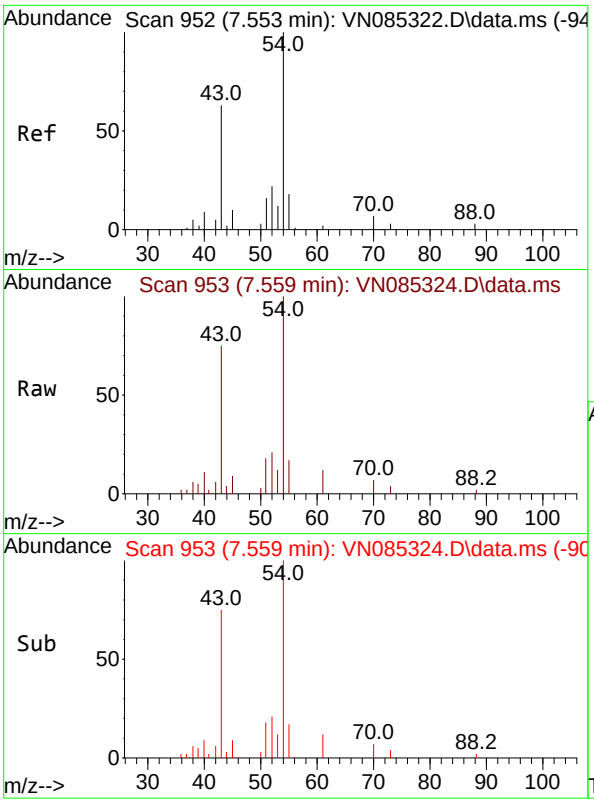


#36
1,1-Dichloropropene
Concen: 9.675 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 22034

Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.6	49.8
77	31.4	24.3	36.5



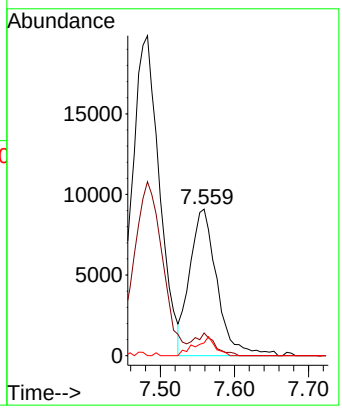


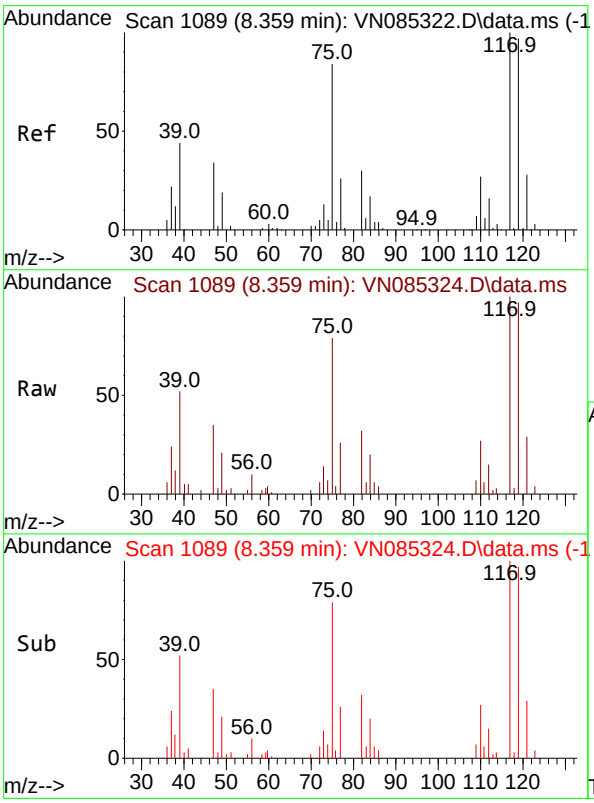
#37
Ethyl Acetate
Concen: 10.292 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 23298

Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.4	15.6
70	9.2	8.2	12.2

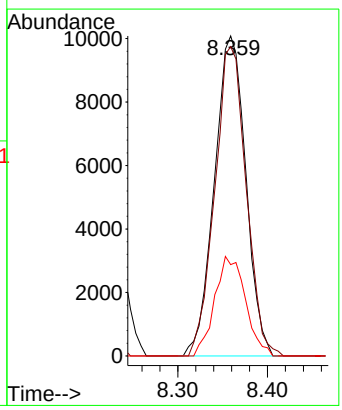


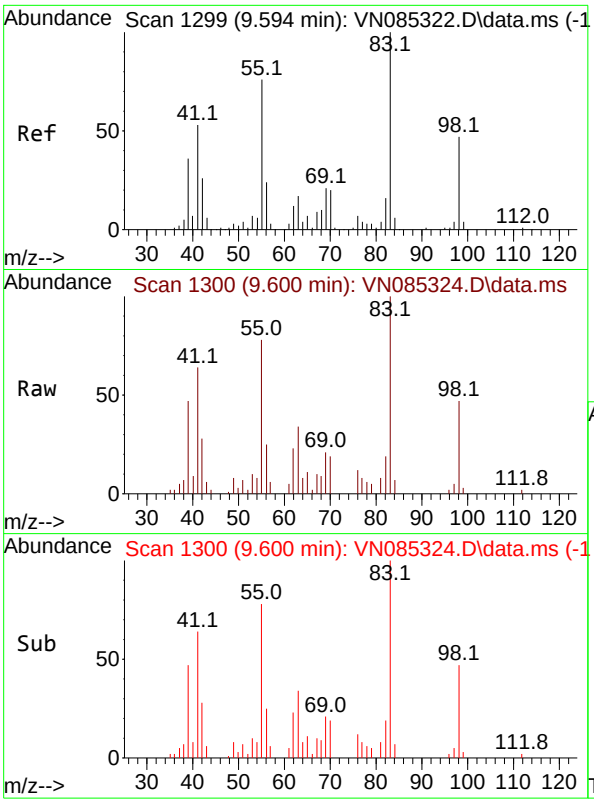


#38
Carbon Tetrachloride
Concen: 9.866 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:117 Resp: 24491

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	28.6	22.5	33.7



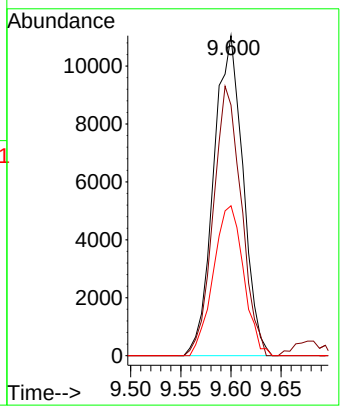


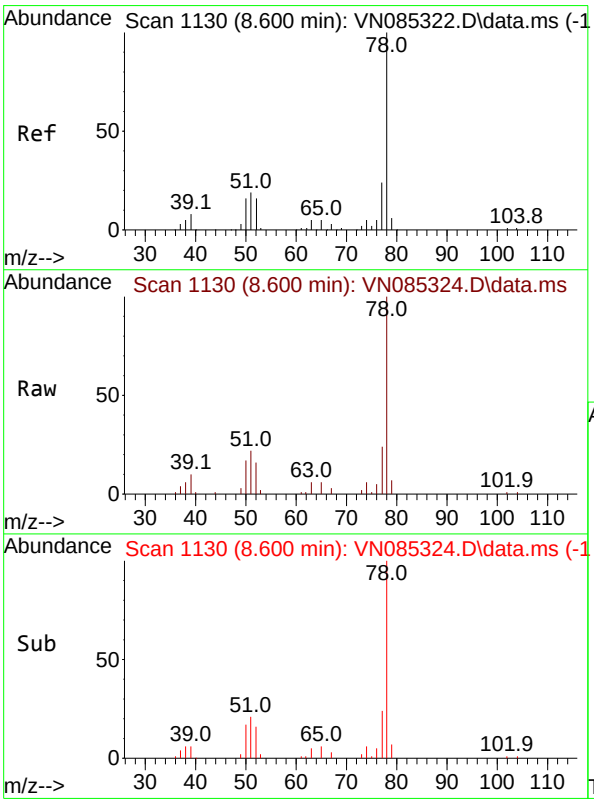
#39
Methylcyclohexane
Concen: 9.500 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 22448

Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.7	91.1
98	46.9	37.7	56.5

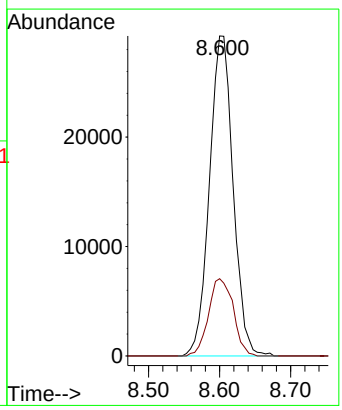


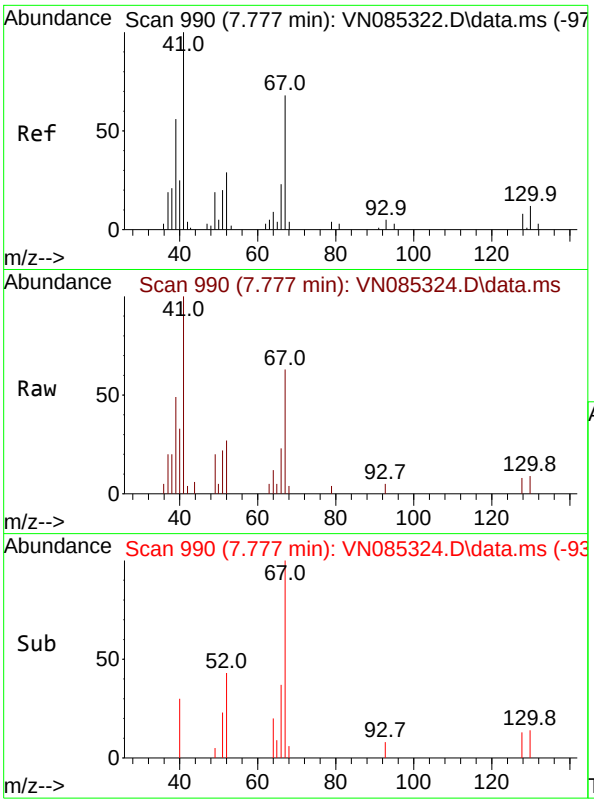


#40
Benzene
Concen: 9.818 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 78 Resp: 67603

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4



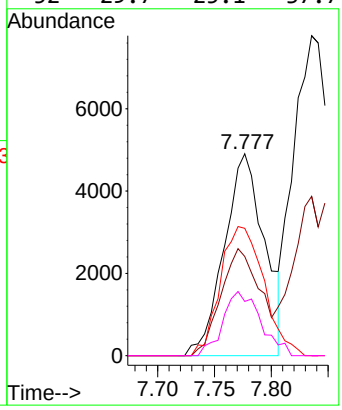


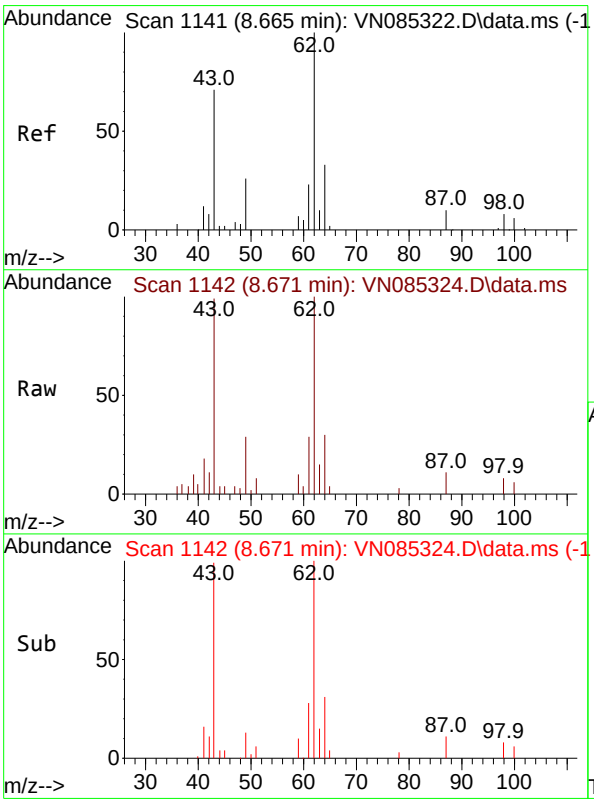
#41
Methacrylonitrile
Concen: 10.429 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 41 Resp: 12091

Ion	Ratio	Lower	Upper
41	100		
39	51.4	45.8	68.8
67	69.1	57.1	85.7
52	29.7	25.1	37.7

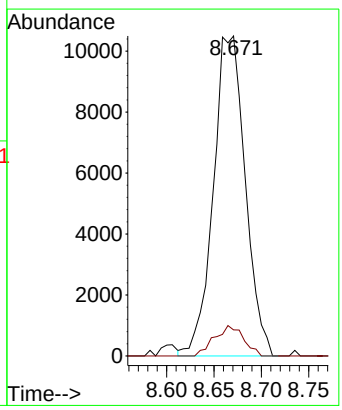


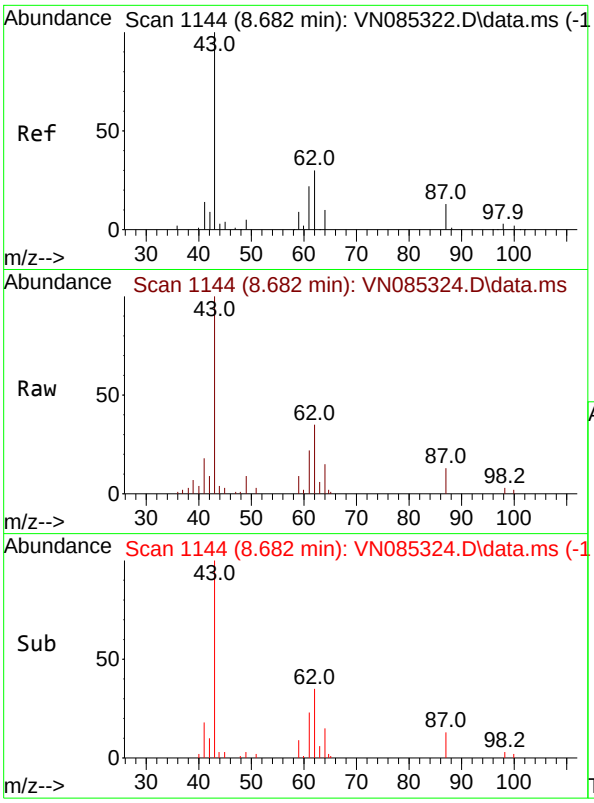


#42
1,2-Dichloroethane
Concen: 9.979 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 62 Resp: 24635

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6



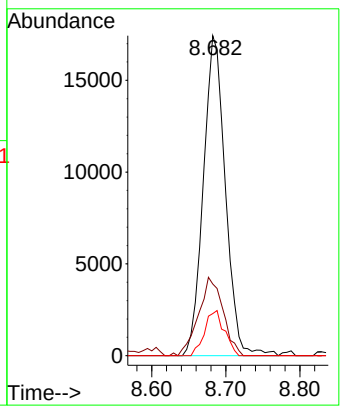


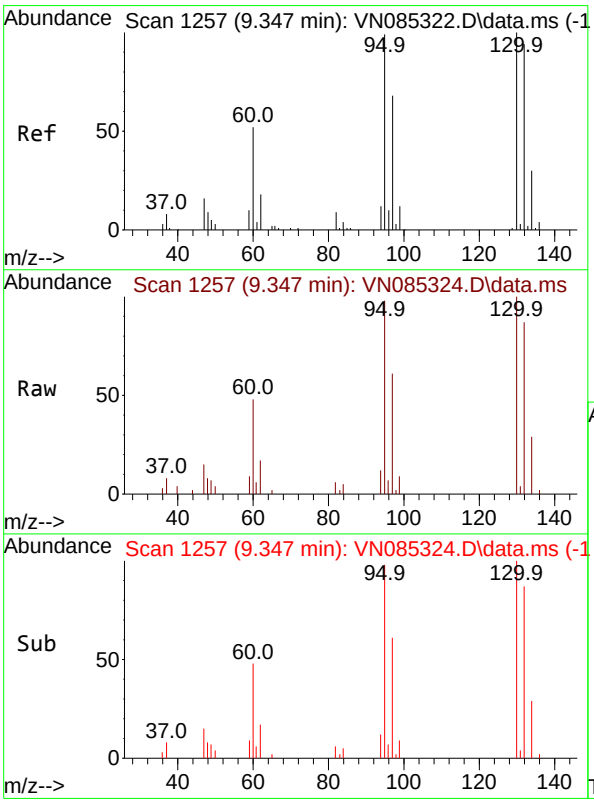
#43
Isopropyl Acetate
Concen: 9.650 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 35967

Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.8	31.2
87	12.7	10.2	15.4

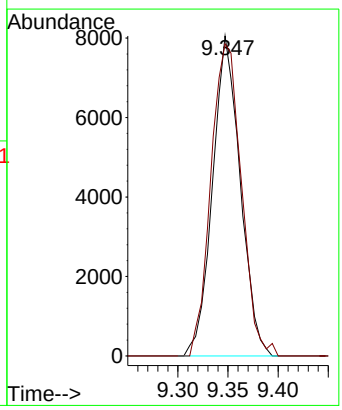


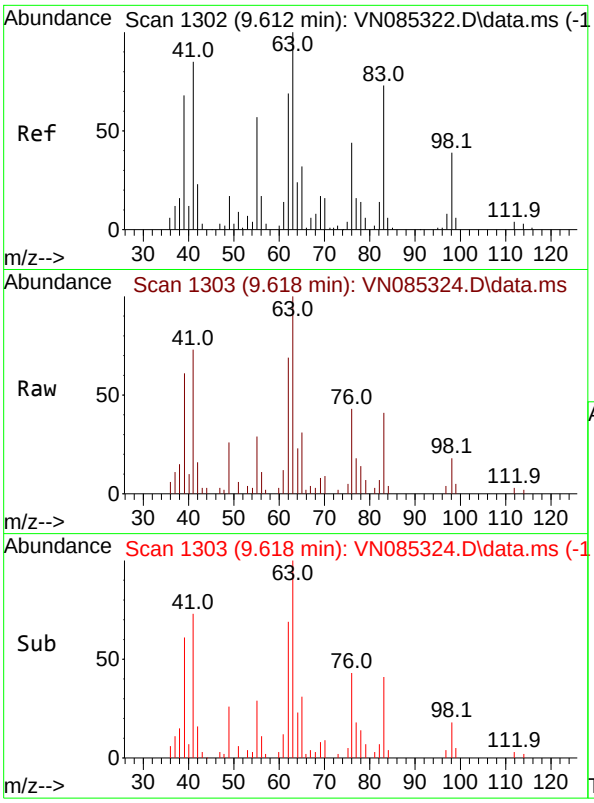


#44
Trichloroethene
Concen: 9.472 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:130 Resp: 15441

Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	197.8



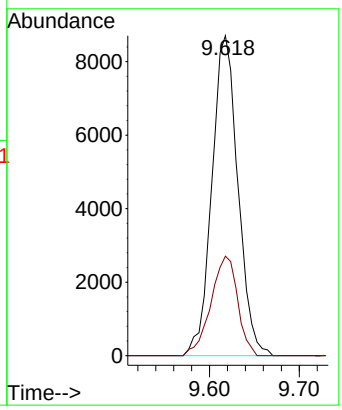


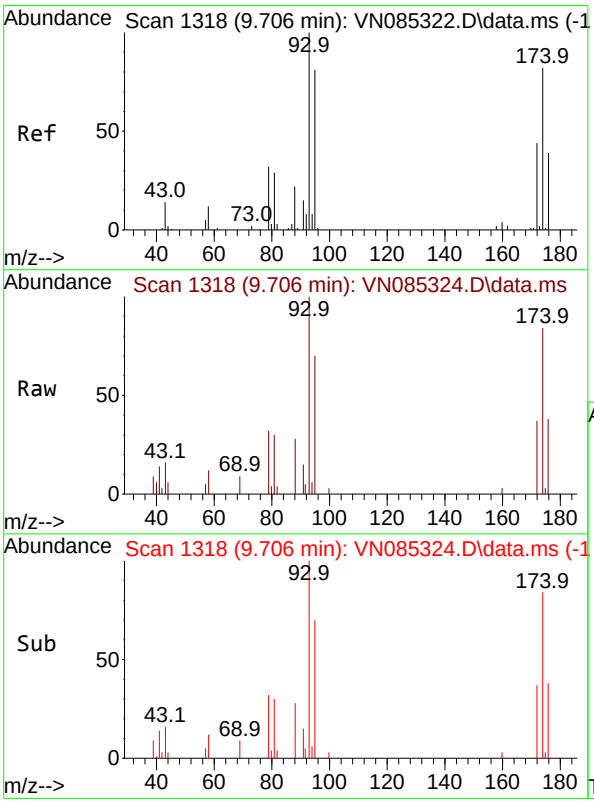
#45
1,2-Dichloropropane
Concen: 10.018 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 63 Resp: 17511

Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.5	38.3

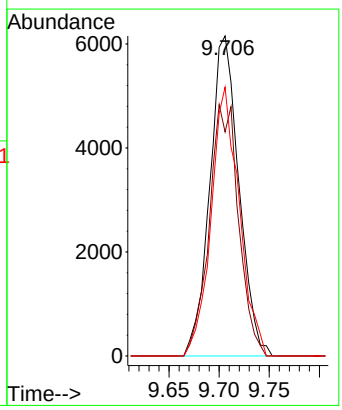


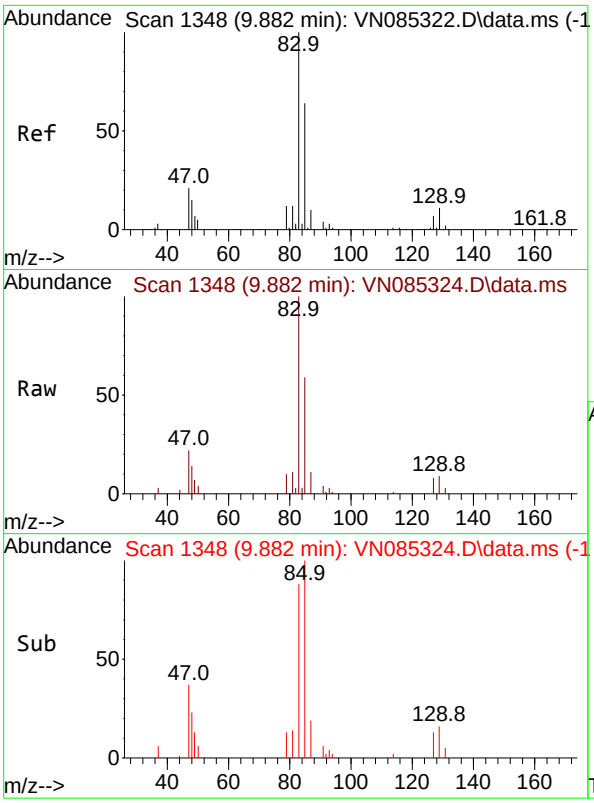


#46
Dibromomethane
Concen: 10.182 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 93 Resp: 12378

Ion	Ratio	Lower	Upper
93	100		
95	79.4	65.3	97.9
174	81.4	66.4	99.6



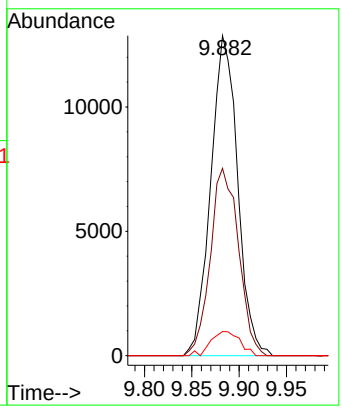


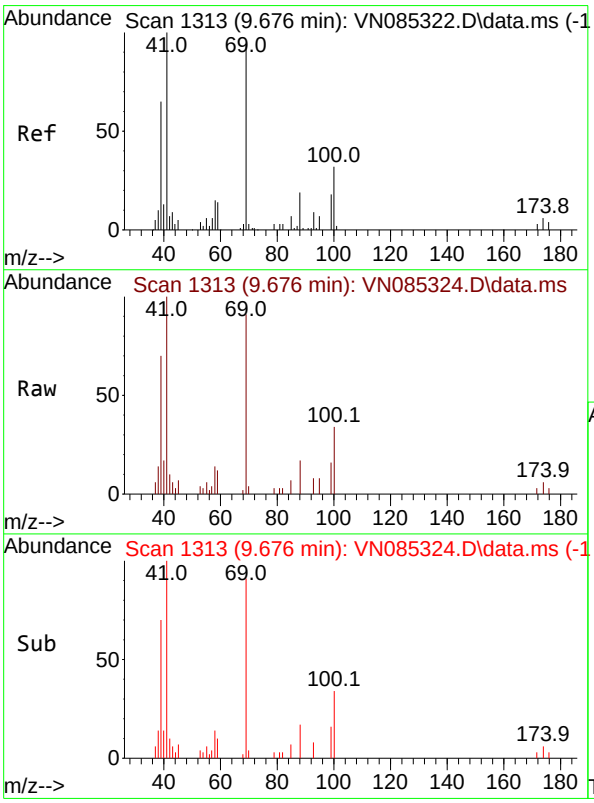
#47
Bromodichloromethane
Concen: 10.070 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 25444

Ion	Ratio	Lower	Upper
83	100		
85	58.5	51.0	76.4
127	7.6	5.8	8.6

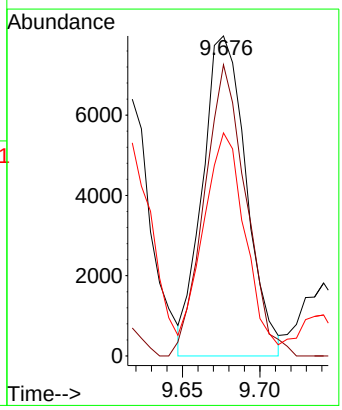


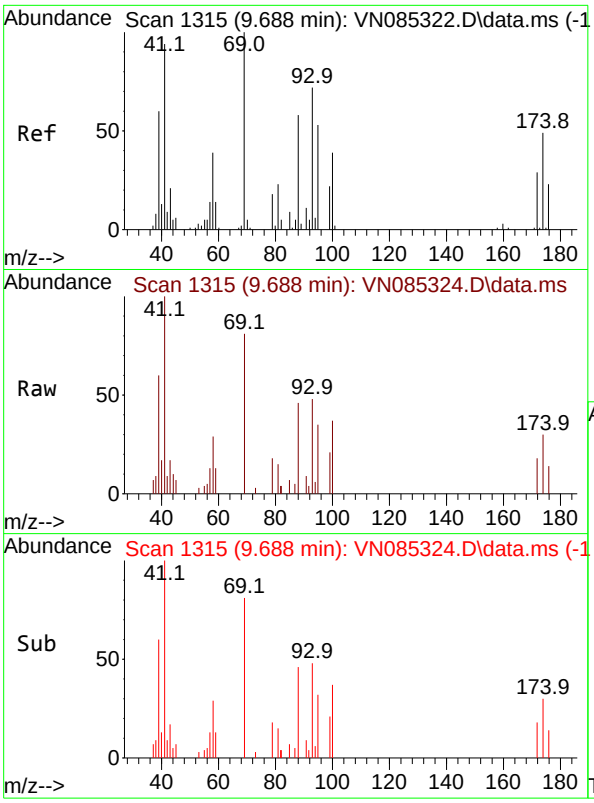


#48
Methyl methacrylate
Concen: 9.666 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 41 Resp: 15633

Ion	Ratio	Lower	Upper
41	100		
69	86.7	67.7	101.5
39	67.7	51.2	76.8



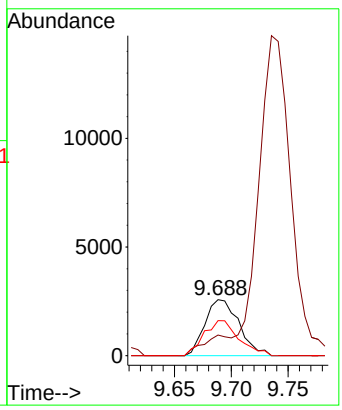


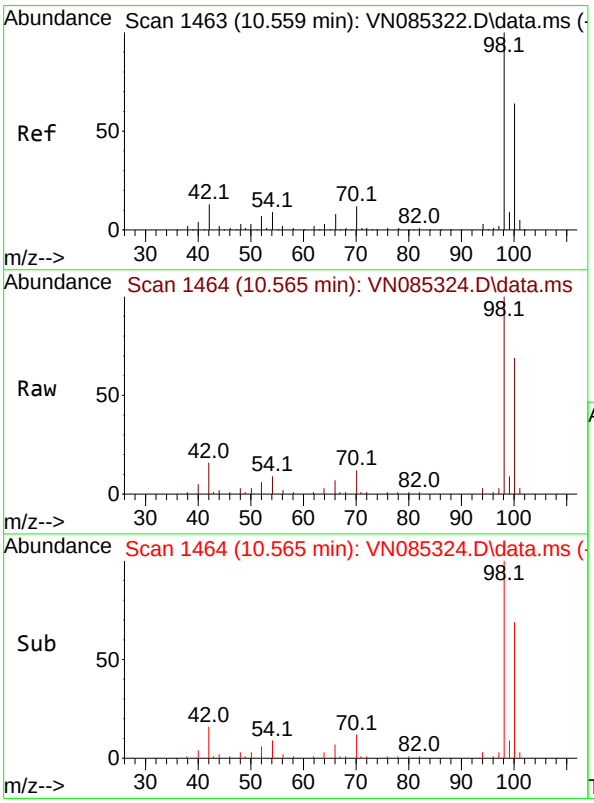
#49
1,4-Dioxane
Concen: 219.898 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 88 Resp: 5366

Ion	Ratio	Lower	Upper
88	100		
43	30.9	22.1	33.1
58	64.1	56.7	85.1

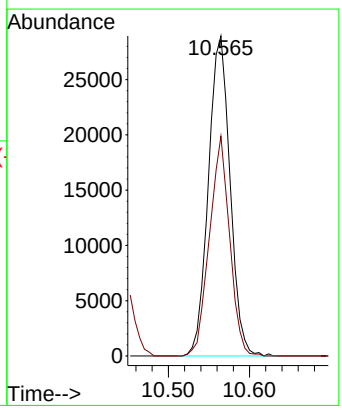


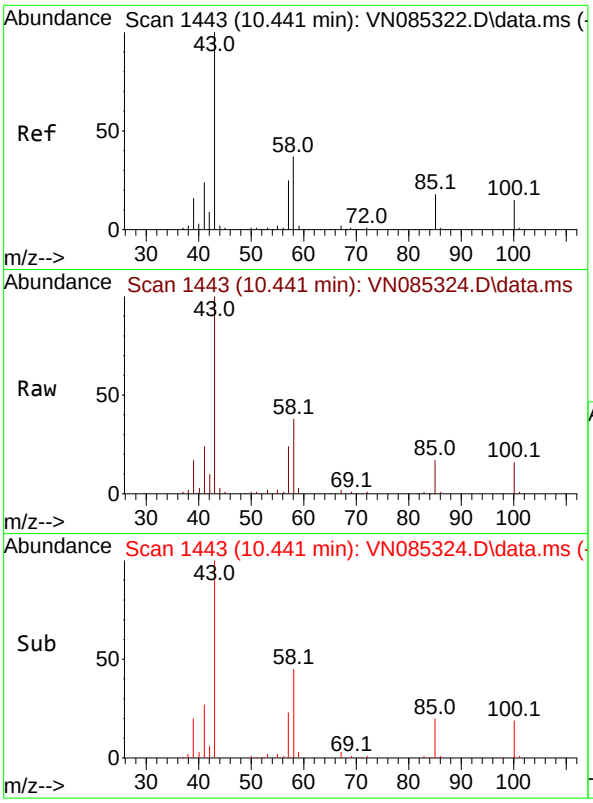


#50
Toluene-d8
Concen: 9.392 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 98 Resp: 53607

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3



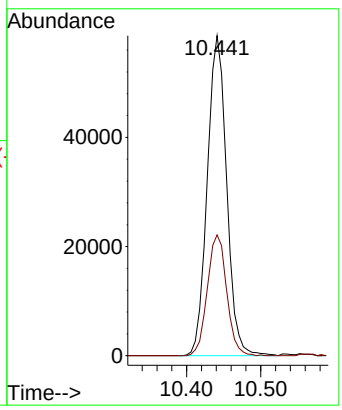


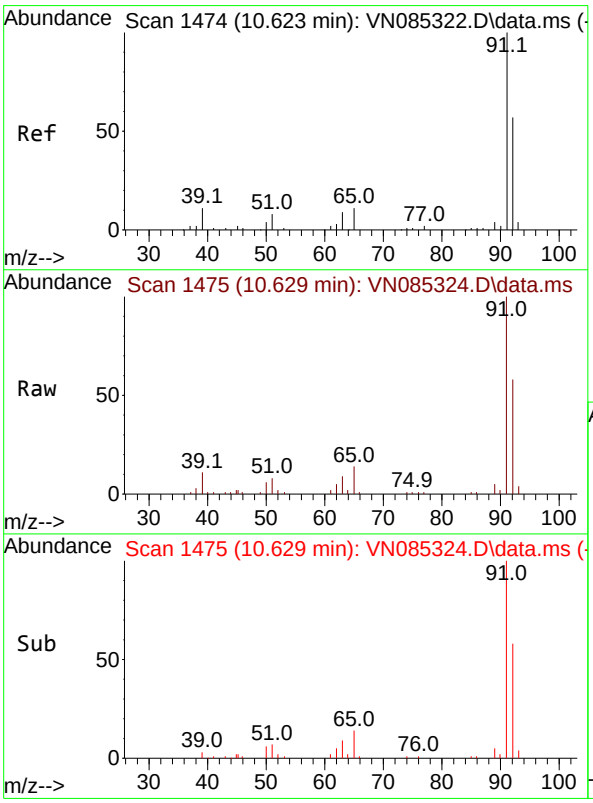
#51
4-Methyl-2-Pentanone
Concen: 50.877 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 106569

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

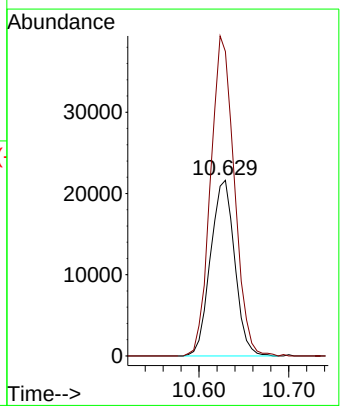


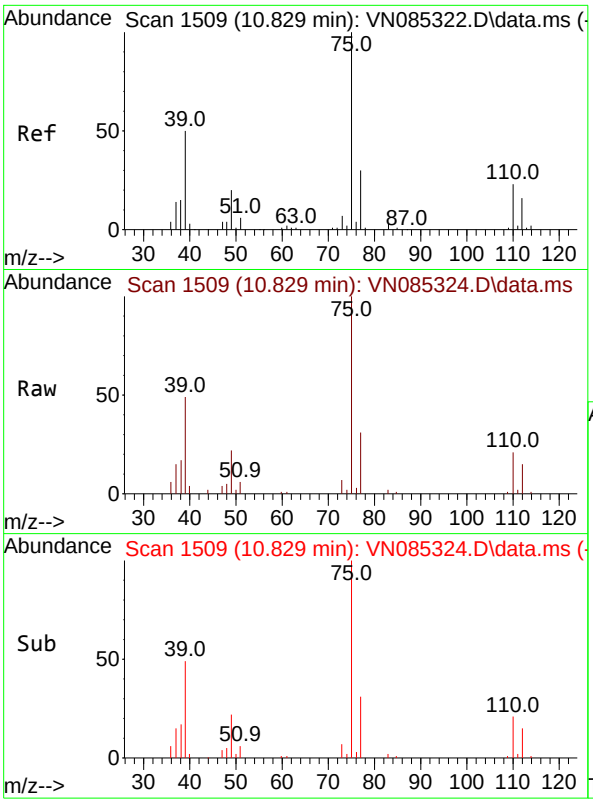


#52
Toluene
Concen: 9.853 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 92 Resp: 40396

Ion	Ratio	Lower	Upper
92	100		
91	179.4	140.2	210.4



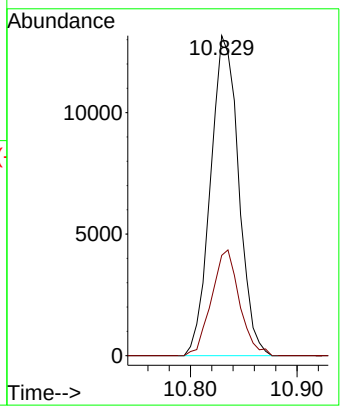


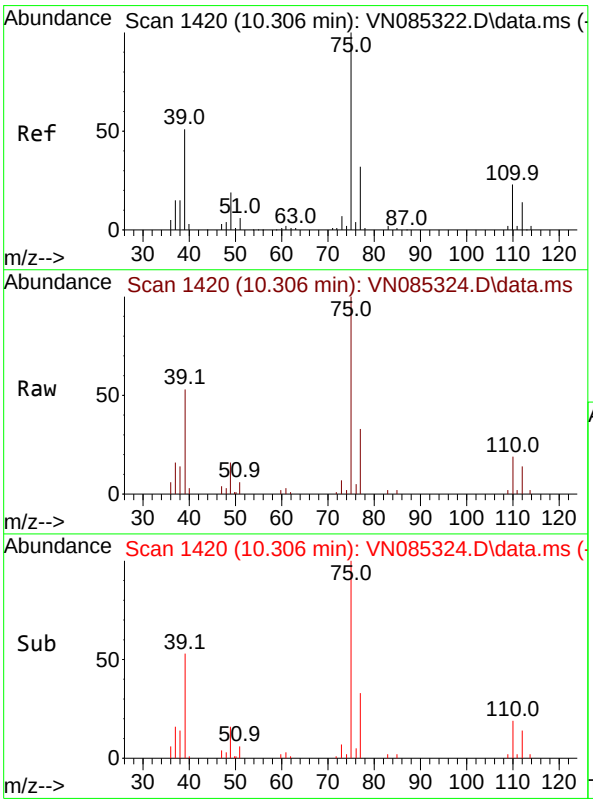
#53
t-1,3-Dichloropropene
Concen: 9.699 ug/l
RT: 10.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 24100

Ion	Ratio	Lower	Upper
75	100		
77	31.3	23.8	35.6

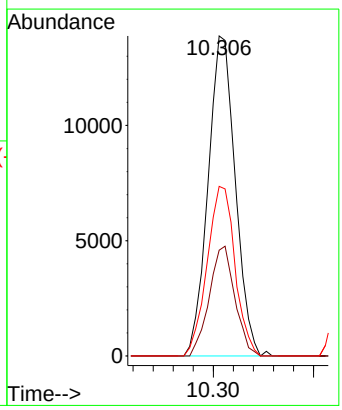


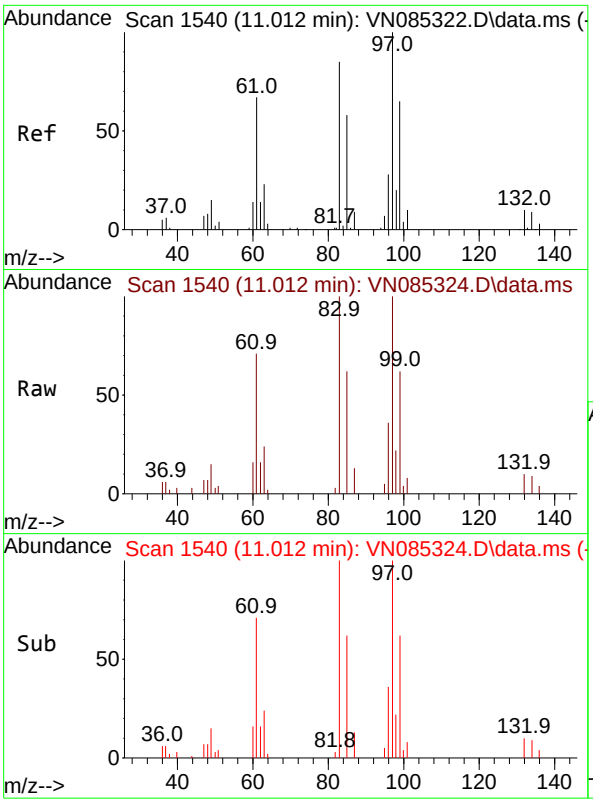


#54
cis-1,3-Dichloropropene
Concen: 9.754 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 26207

Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.5	38.3
39	53.0	40.5	60.7



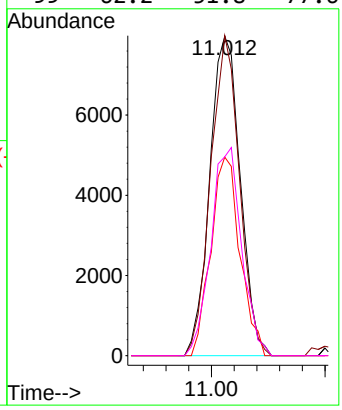


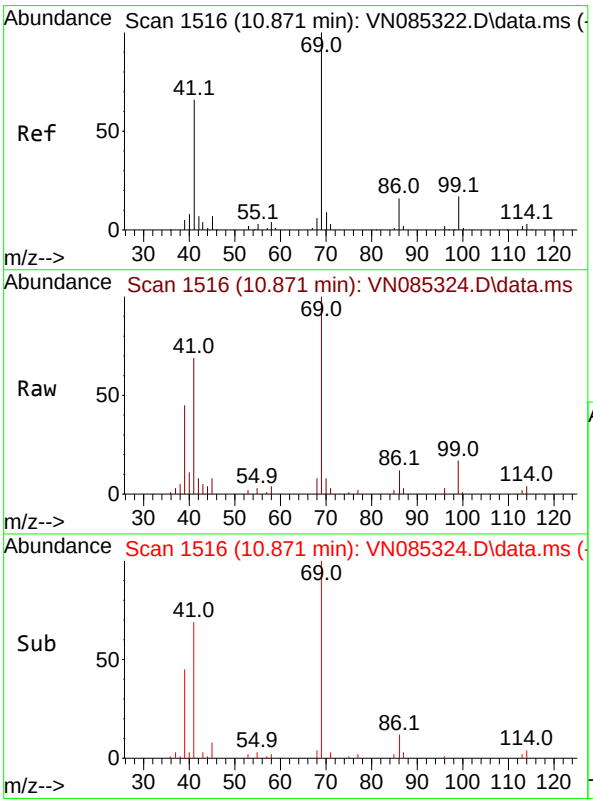
#55
1,1,2-Trichloroethane
Concen: 9.586 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 97 Resp: 14839

Ion	Ratio	Lower	Upper
97	100		
83	100.1	67.7	101.5
85	62.1	46.2	69.4
99	62.2	51.8	77.6

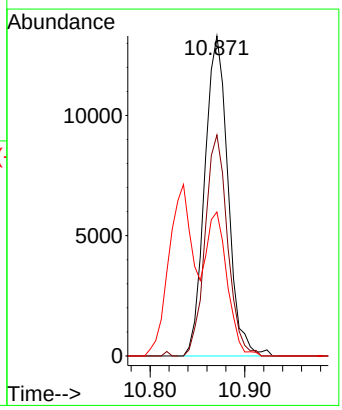


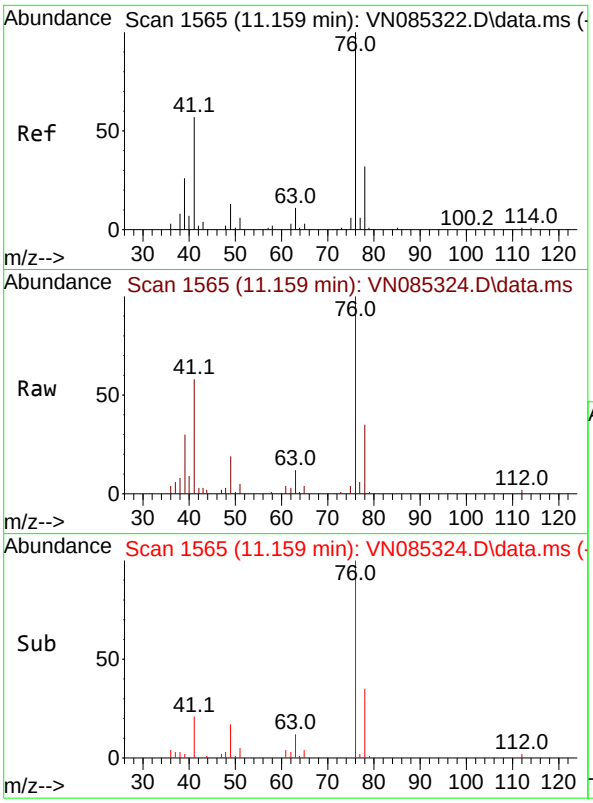


#56
Ethyl methacrylate
Concen: 10.054 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 69 Resp: 22666

Ion	Ratio	Lower	Upper
69	100		
41	67.0	54.3	81.5
39	40.7	32.0	48.0



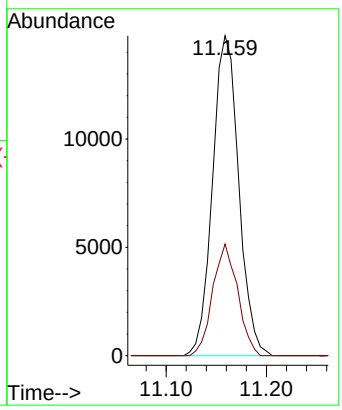


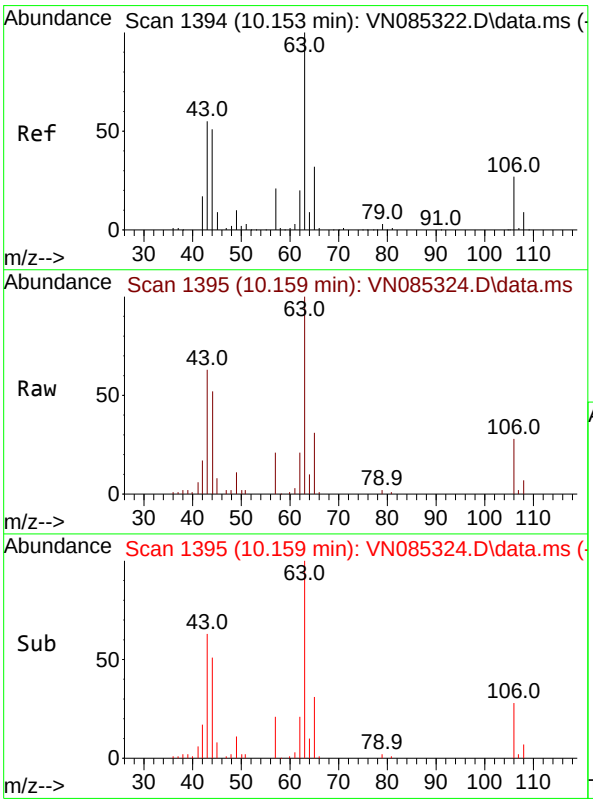
#57
1,3-Dichloropropane
Concen: 9.864 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 76 Resp: 26800

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3

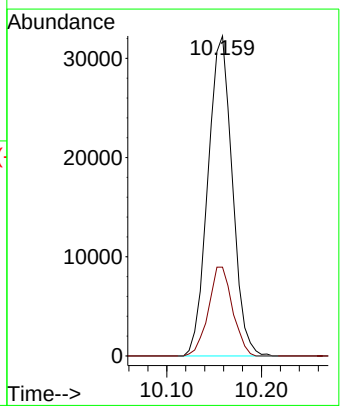


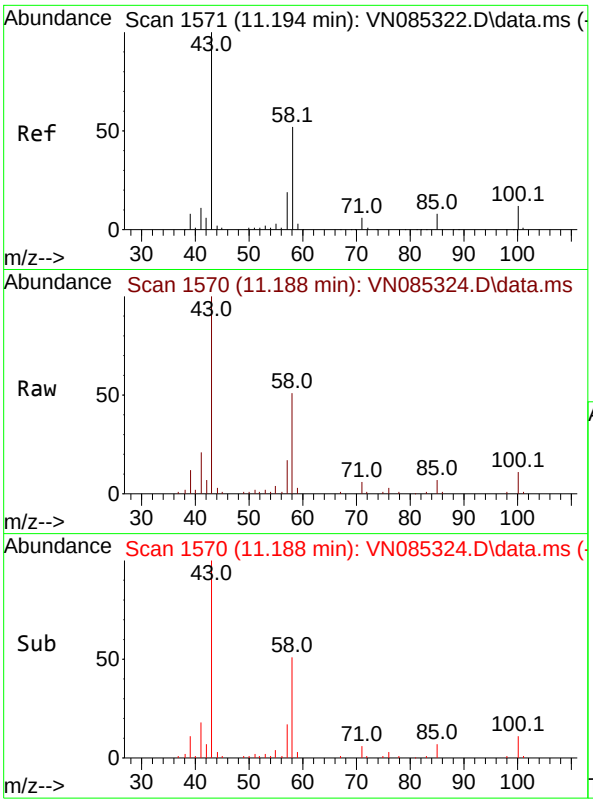


#58
2-Chloroethyl Vinyl ether
Concen: 52.985 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 63 Resp: 57793

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.1	33.1



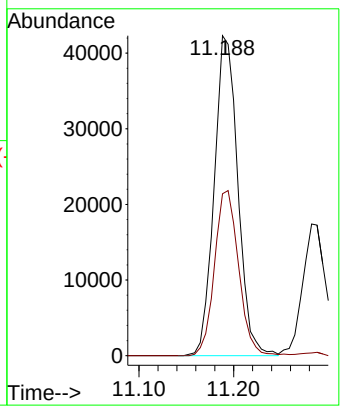


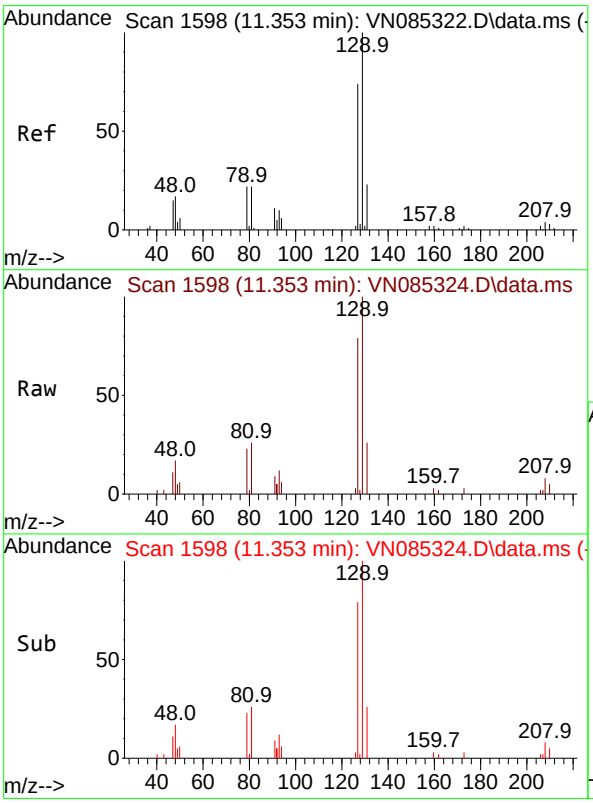
#59
2-Hexanone
Concen: 50.521 ug/l
RT: 11.188 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 43 Resp: 73420

Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.5	79.5

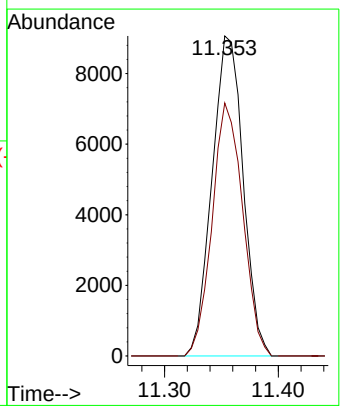


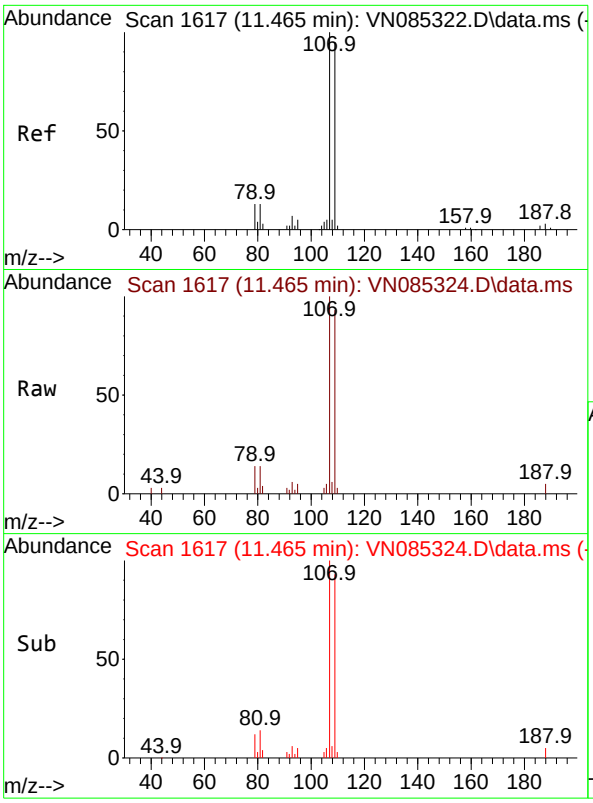


#60
Dibromochloromethane
Concen: 9.884 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:129 Resp: 17232

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9



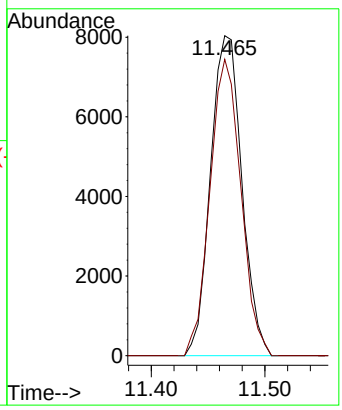


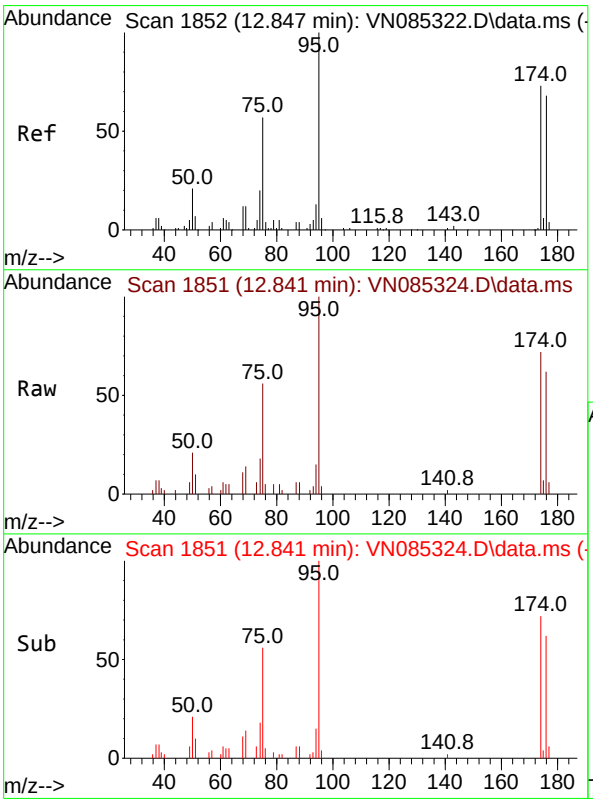
#61
1,2-Dibromoethane
Concen: 10.064 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:107 Resp: 15412

Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.9	112.3

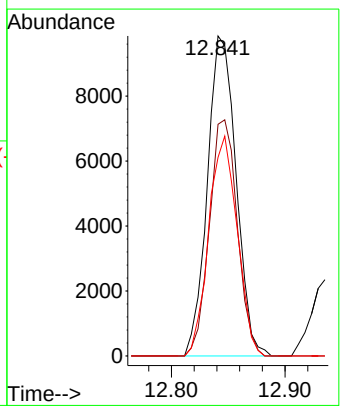


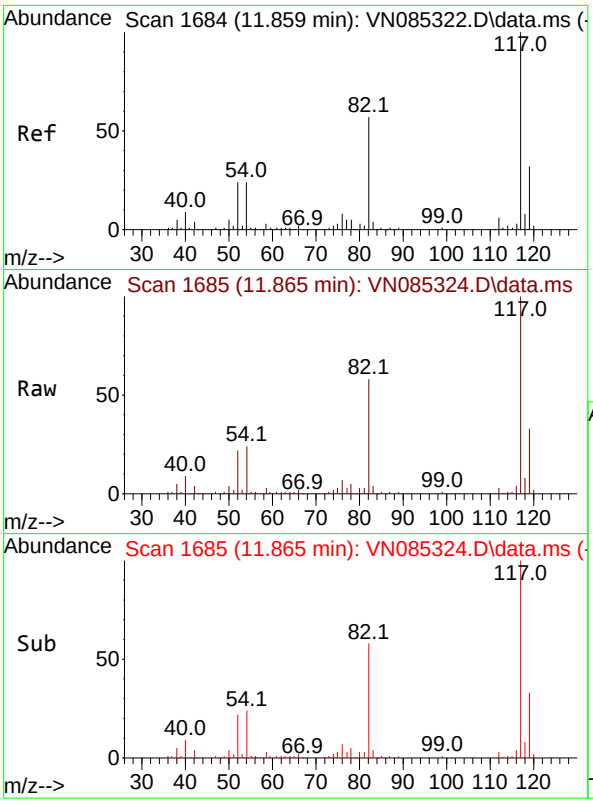


#62
4-Bromofluorobenzene
Concen: 9.141 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 95 Resp: 17328

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	143.2
176	68.0	0.0	135.8



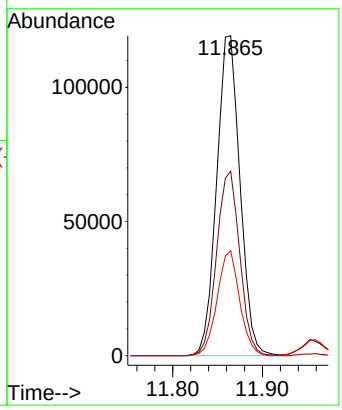


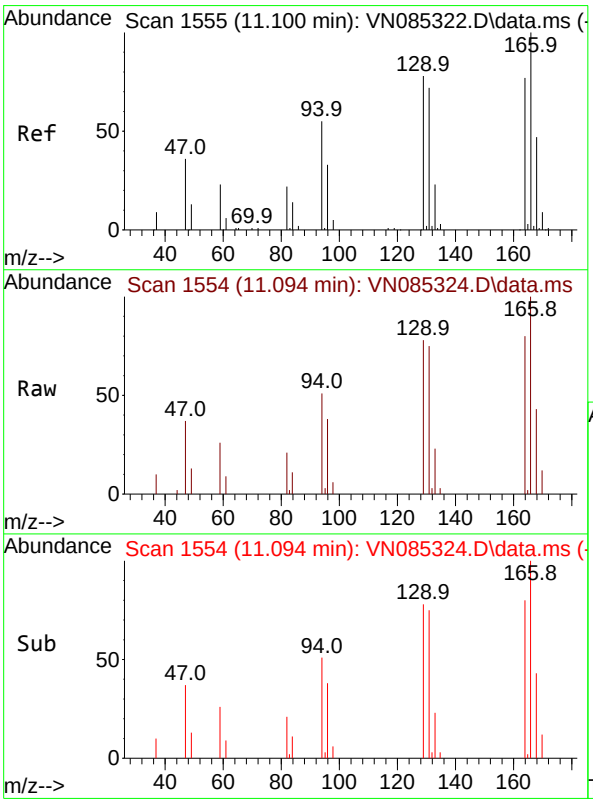
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:117 Resp: 215410

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.7	68.5
119	32.8	25.8	38.8

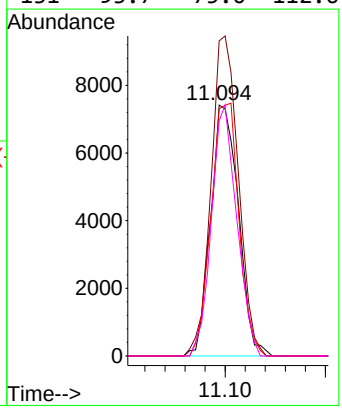


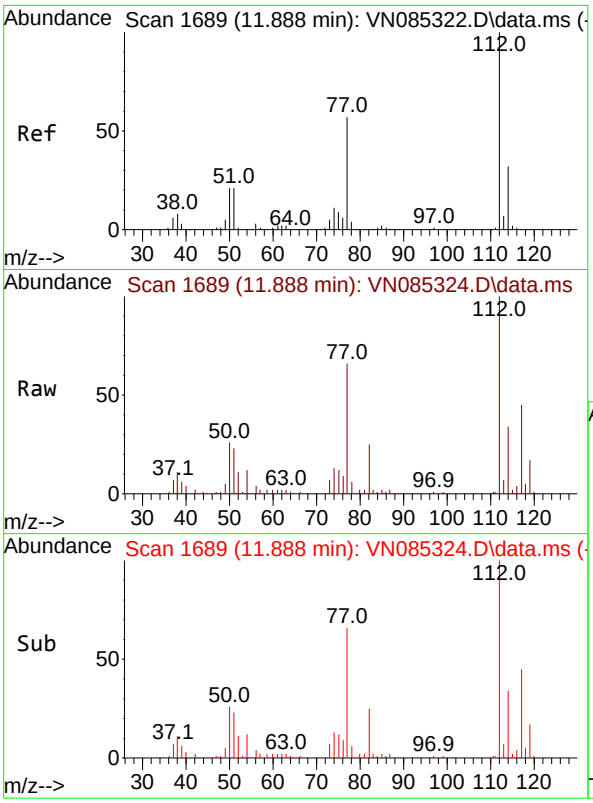


#64
Tetrachloroethene
Concen: 10.457 ug/l
RT: 11.094 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:164 Resp: 14273

Ion	Ratio	Lower	Upper
164	100		
166	125.5	104.0	156.0
129	98.4	81.3	121.9
131	93.7	75.0	112.6



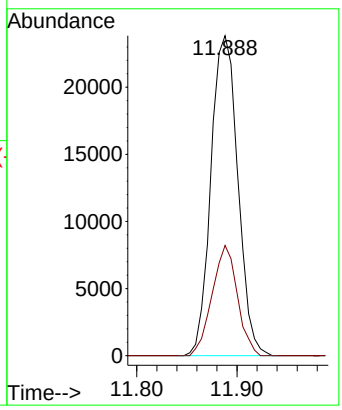


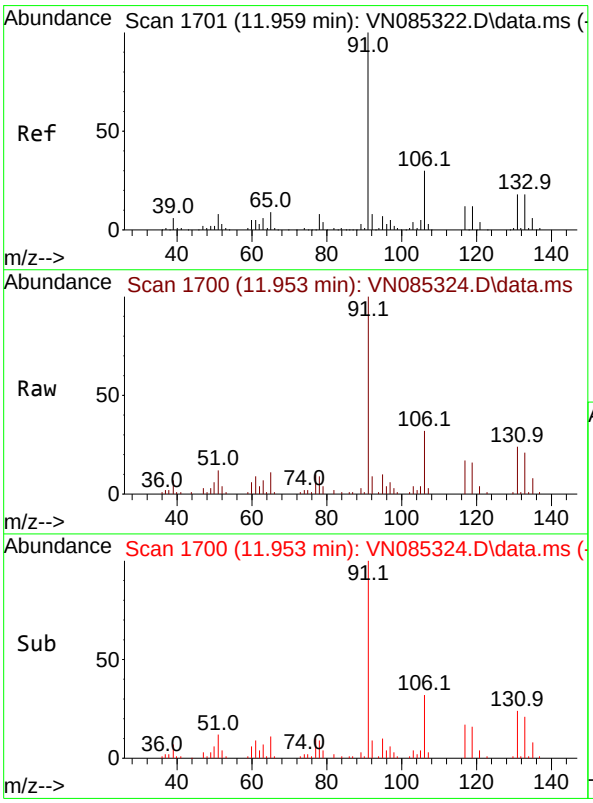
#65
Chlorobenzene
Concen: 9.541 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:112 Resp: 44413

Ion	Ratio	Lower	Upper
112	100		
114	34.4	25.2	37.8

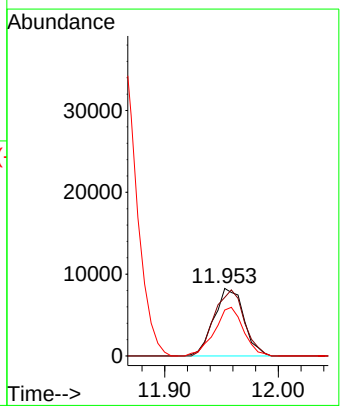


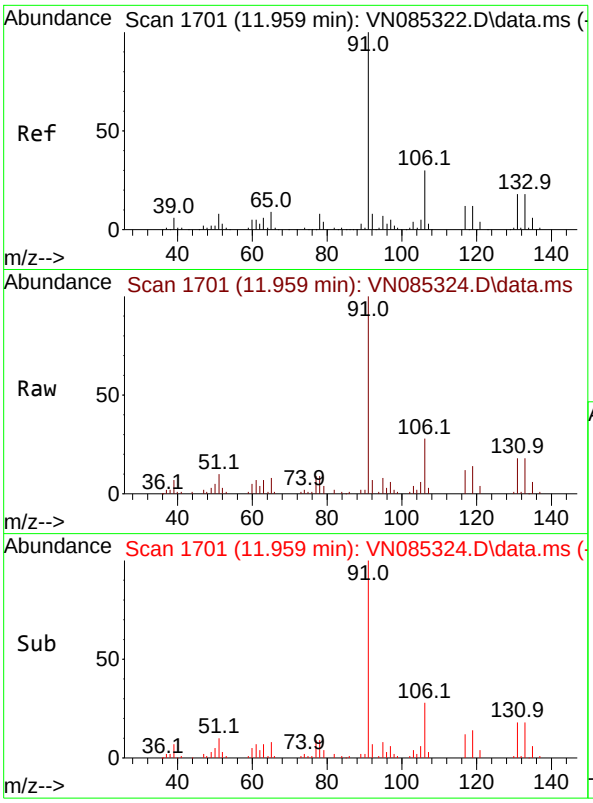


#66
1,1,1,2-Tetrachloroethane
Concen: 9.670 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:131 Resp: 15107

Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.3	144.9
119	69.5	33.4	100.1



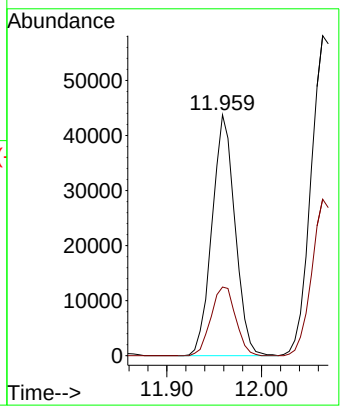


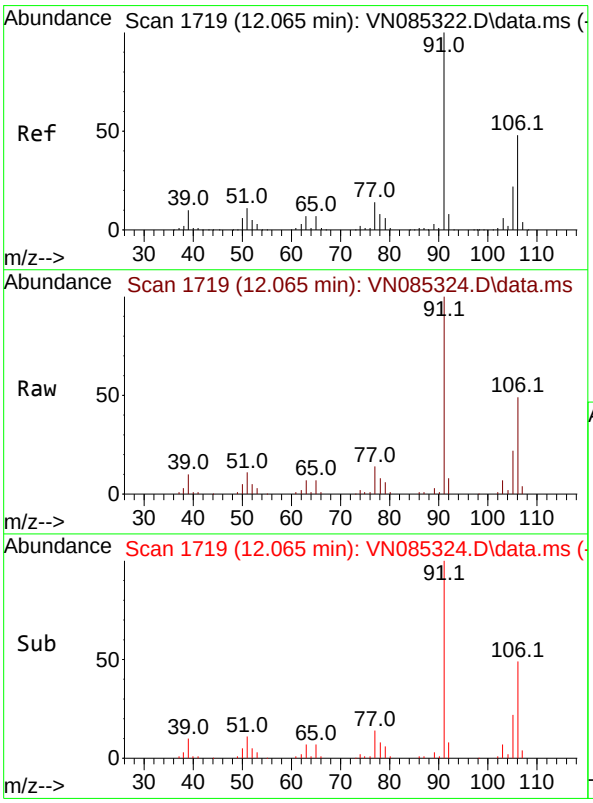
#67
Ethyl Benzene
Concen: 9.544 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 73883

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.0	36.0

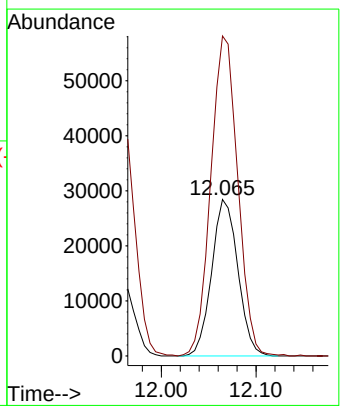


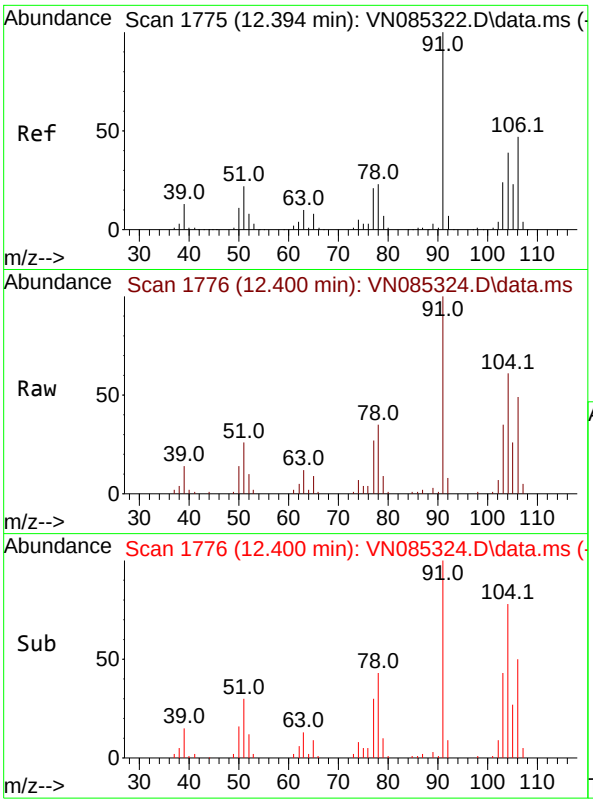


#68
m/p-Xylenes
Concen: 19.288 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:106 Resp: 54643

Ion	Ratio	Lower	Upper
106	100		
91	210.2	165.2	247.8



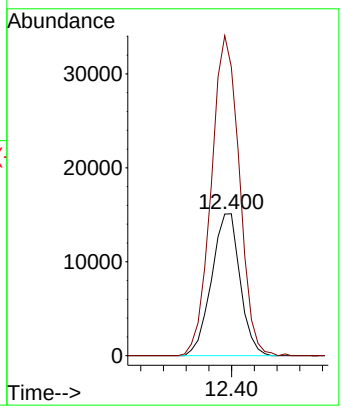


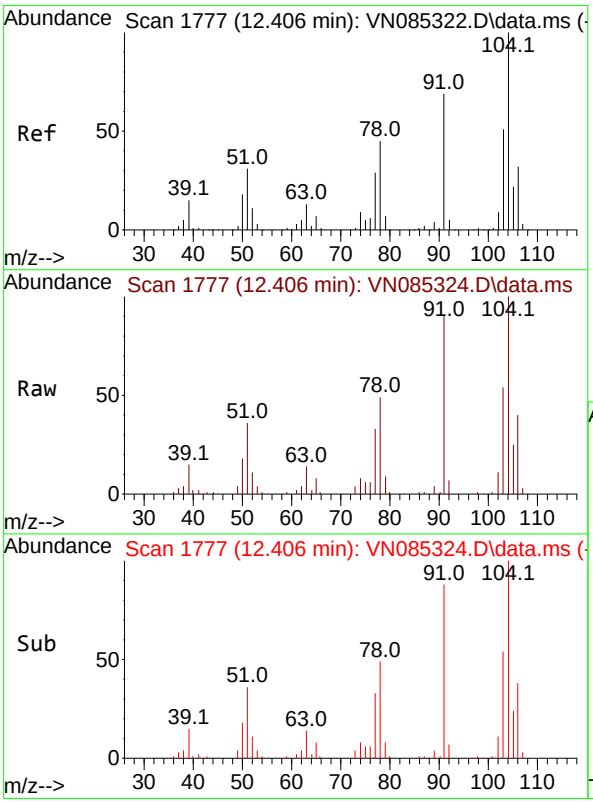
#69
o-Xylene
Concen: 9.605 ug/l
RT: 12.400 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:106 Resp: 26323

Ion	Ratio	Lower	Upper
106	100		
91	221.9	107.3	321.8

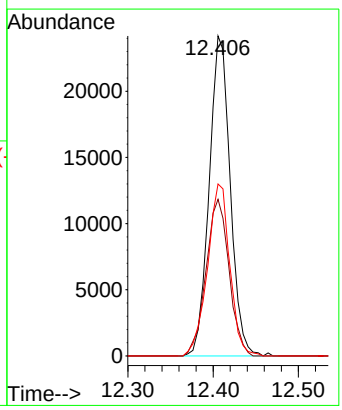


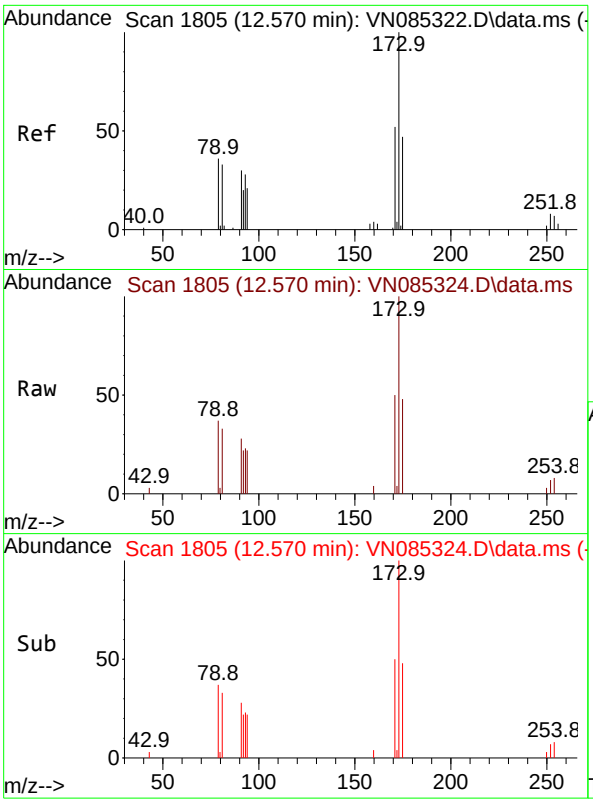


#70
Styrene
Concen: 9.347 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:104 Resp: 41517

Ion	Ratio	Lower	Upper
104	100		
78	53.5	40.7	61.1
103	56.8	44.1	66.1



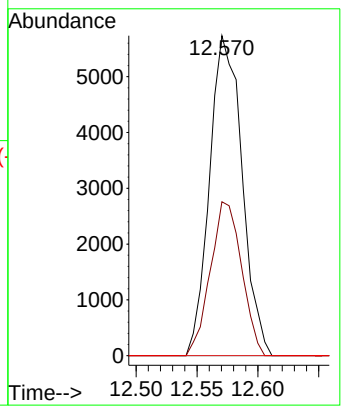


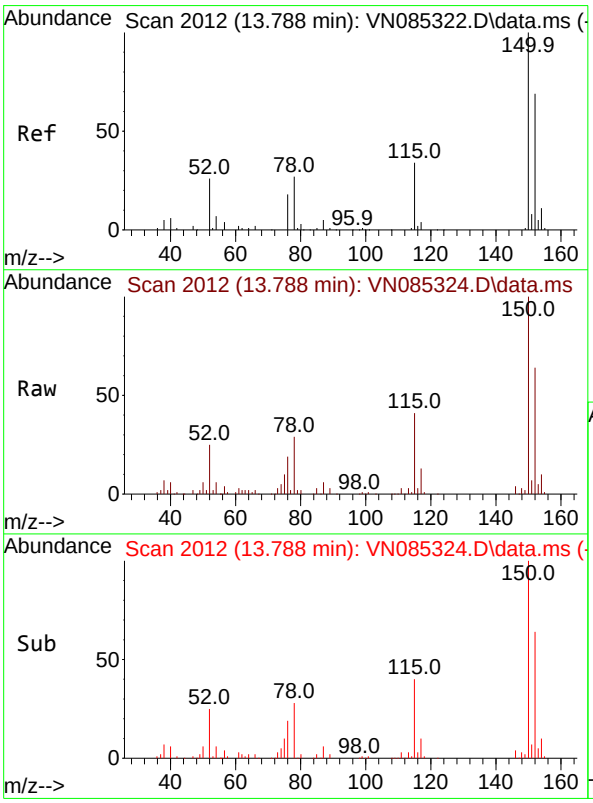
#71
Bromoform
Concen: 9.822 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:173 Resp: 10628

Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.4	73.4
254	0.0	0.0	0.0

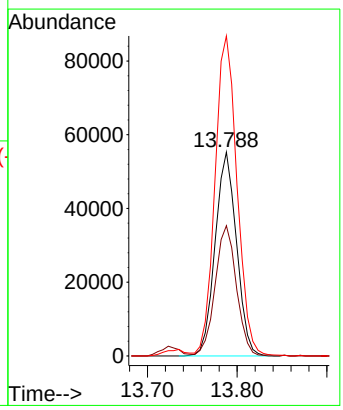


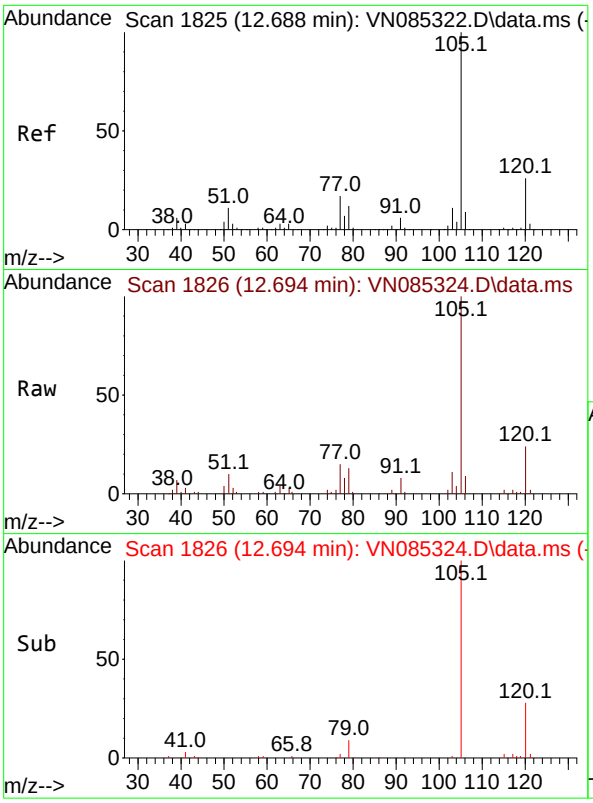


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:152 Resp: 91601

Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.4	91.3
150	161.6	0.0	345.0



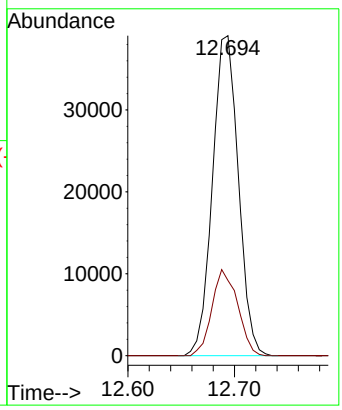


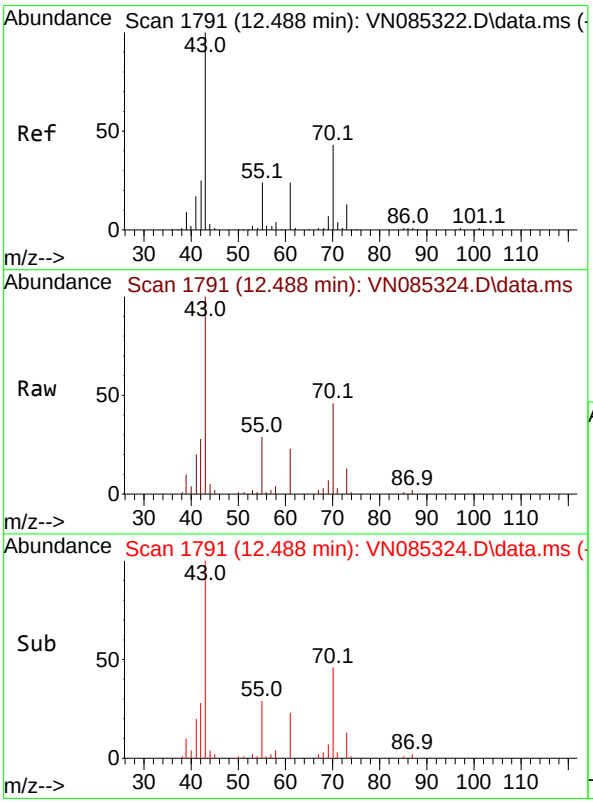
#73
Isopropylbenzene
Concen: 10.000 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 65872

Ion	Ratio	Lower	Upper
105	100		
120	26.8	12.9	38.6

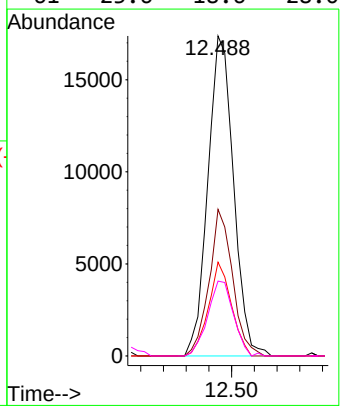


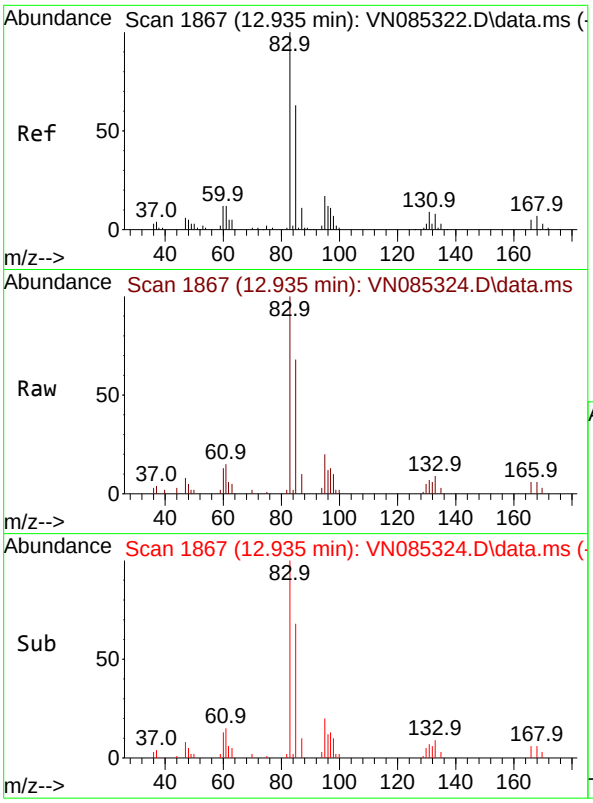


#74
N-amyl acetate
Concen: 9.650 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 43 Resp: 27209

Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.4	50.0
55	26.2	19.2	28.8
61	23.6	18.6	28.0



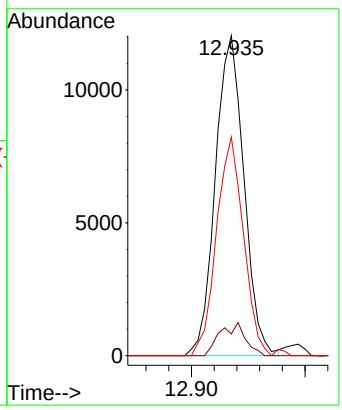


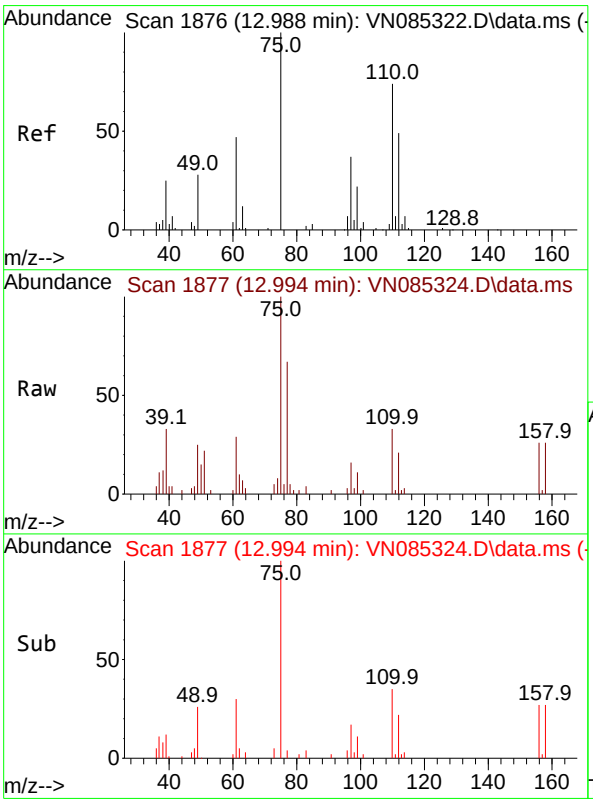
#75
1,1,2,2-Tetrachloroethane
Concen: 10.031 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 83 Resp: 21045

Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.8	14.4
85	64.5	32.6	98.0

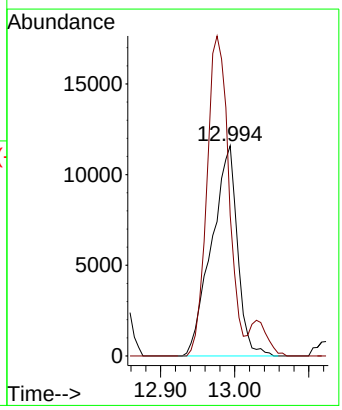


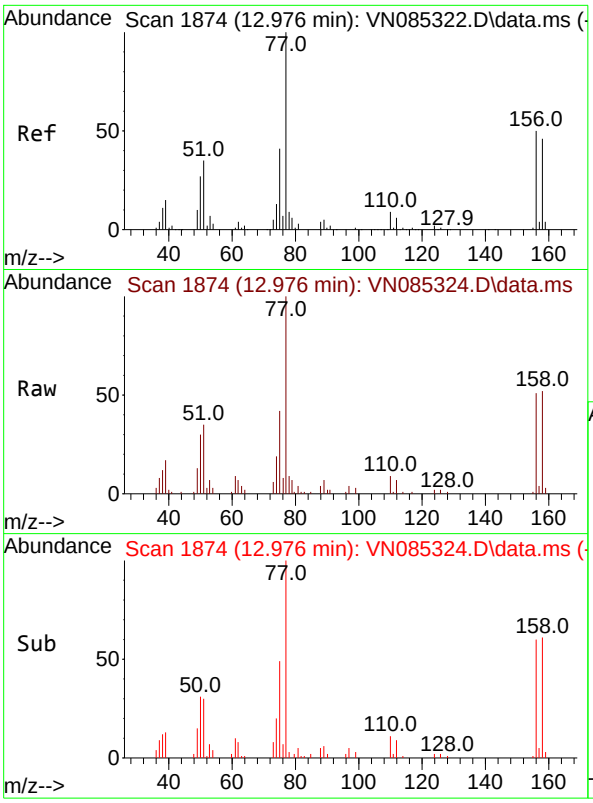


#76
1,2,3-Trichloropropane
Concen: 10.569 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 28127

Ion	Ratio	Lower	Upper
75	100		
77	128.1	98.1	294.3



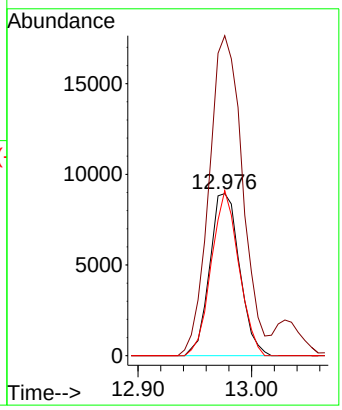


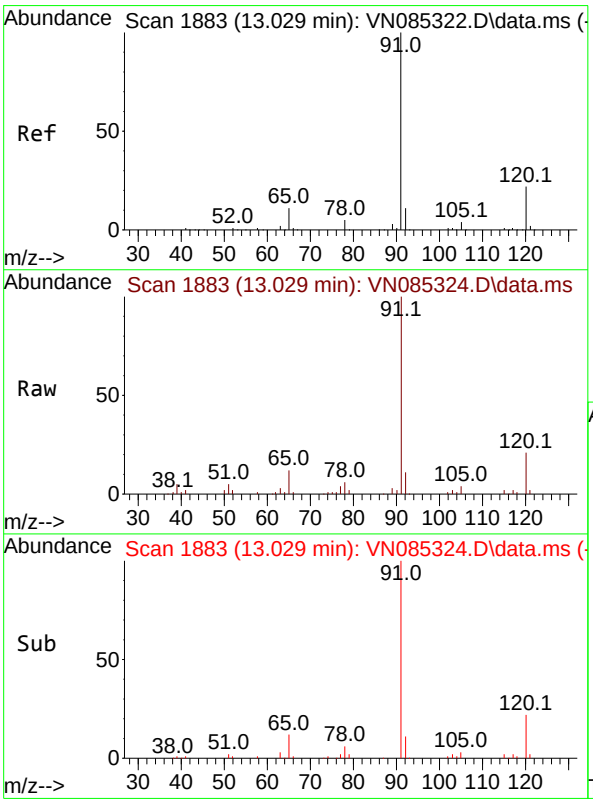
#77
Bromobenzene
Concen: 9.995 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:156 Resp: 16311

Ion	Ratio	Lower	Upper
156	100		
77	220.9	114.0	342.0
158	93.8	47.6	142.8

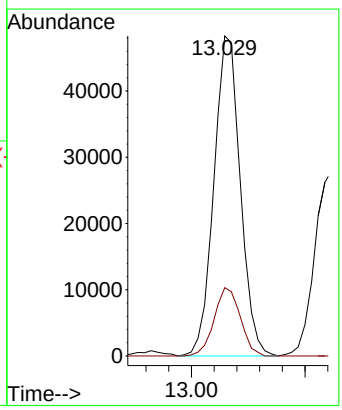


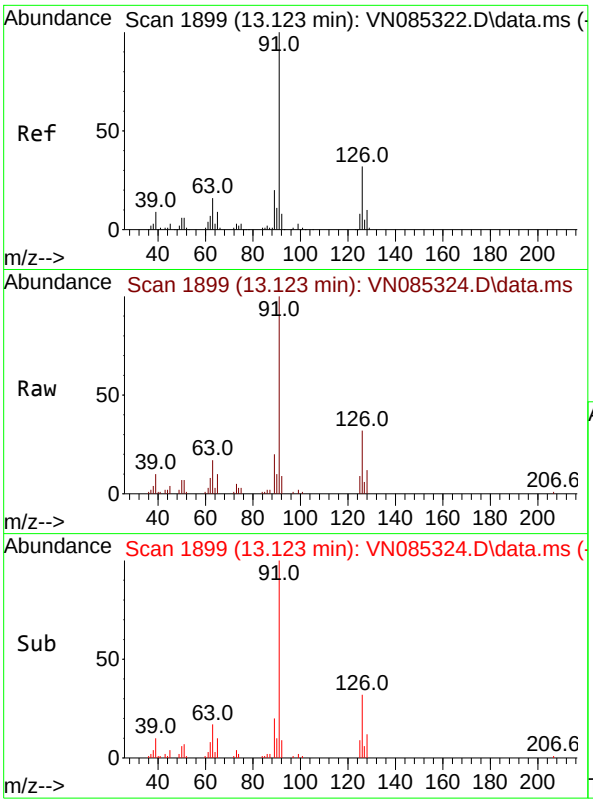


#78
n-propylbenzene
Concen: 10.161 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 78022

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.9	32.9



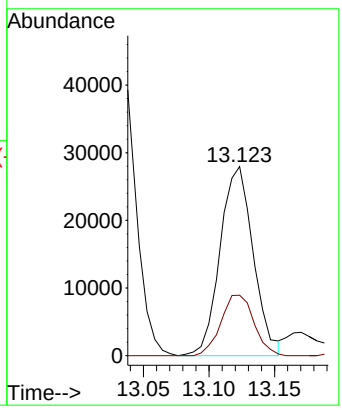


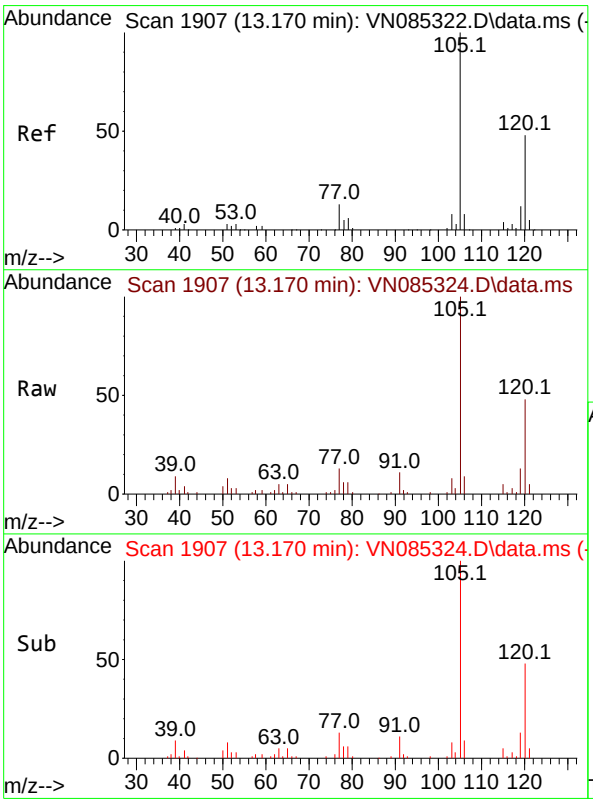
#79
2-Chlorotoluene
Concen: 10.189 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 49236

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0

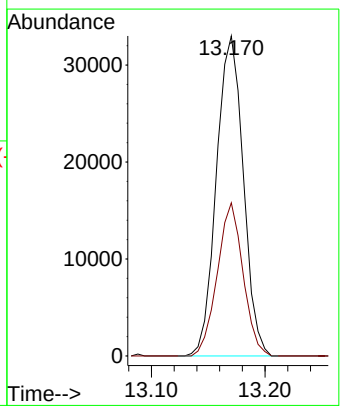


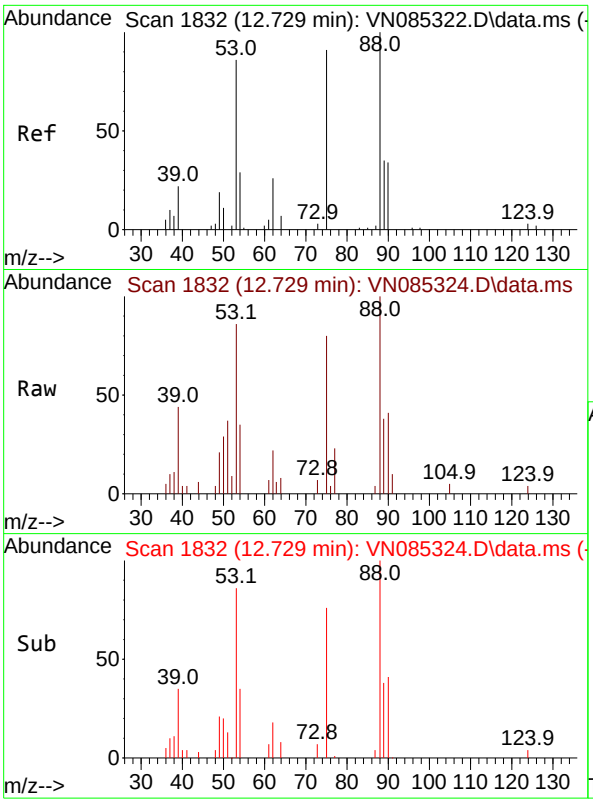


#80
1,3,5-Trimethylbenzene
Concen: 10.171 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 54193

Ion	Ratio	Lower	Upper
105	100		
120	45.9	24.0	72.0



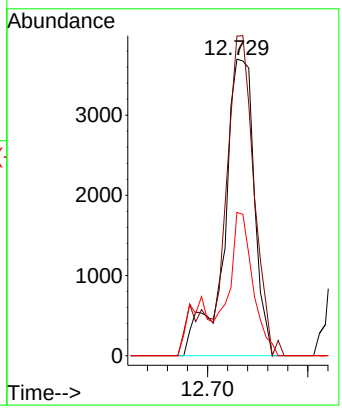


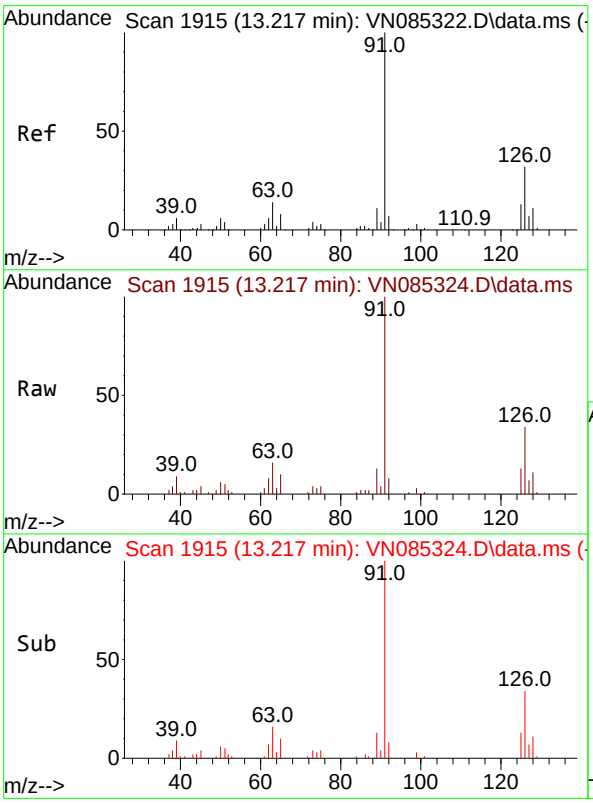
#81
trans-1,4-Dichloro-2-butene
Concen: 10.568 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 75 Resp: 7684

Ion	Ratio	Lower	Upper
75	100		
53	95.4	80.0	120.0
89	38.6	35.8	53.8

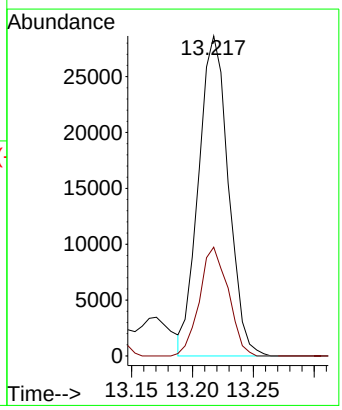


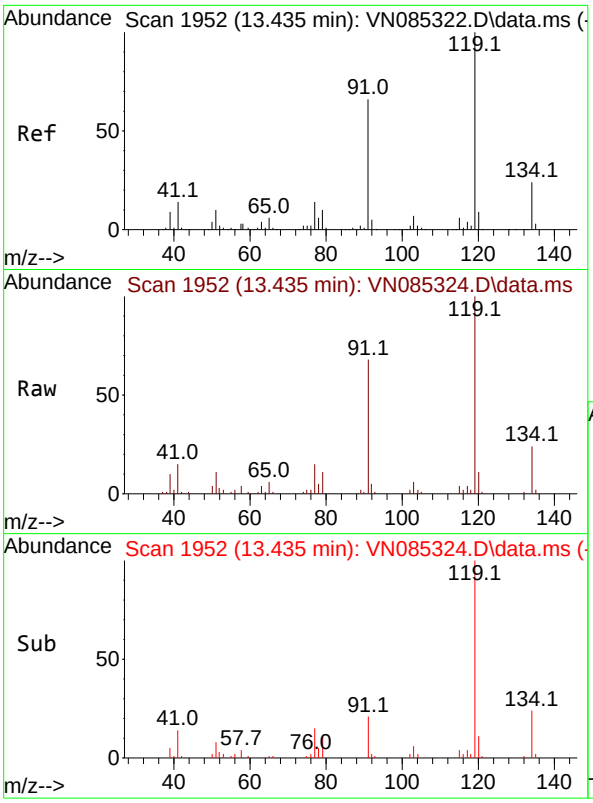


#82
4-Chlorotoluene
Concen: 10.017 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 91 Resp: 48752

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



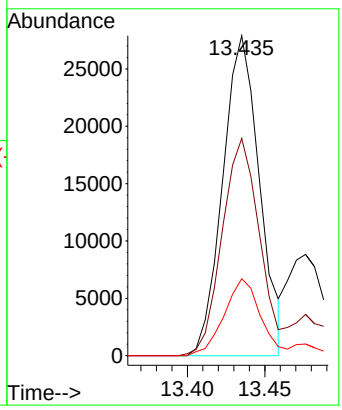


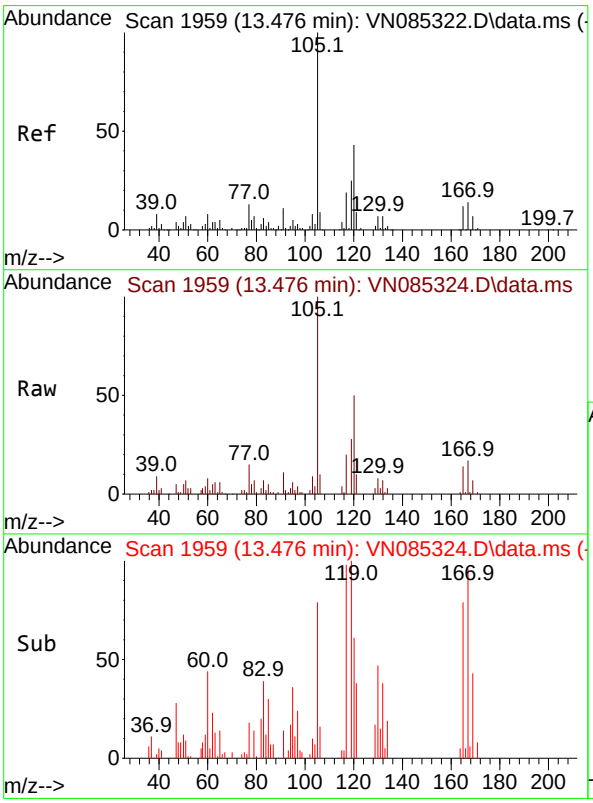
#83
tert-Butylbenzene
Concen: 9.955 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:119 Resp: 45946

Ion	Ratio	Lower	Upper
119	100		
91	70.4	33.6	100.8
134	23.8	13.3	39.8

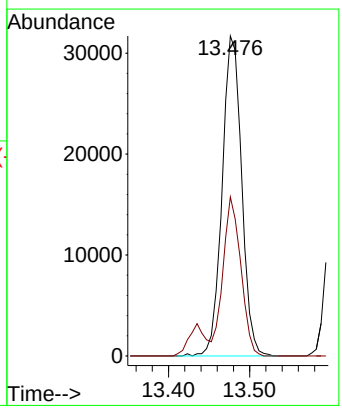


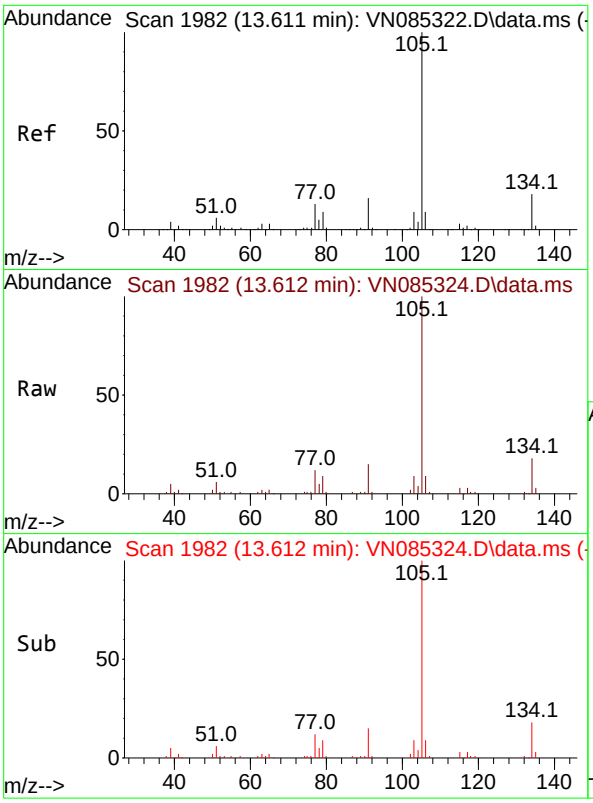


#84
1,2,4-Trimethylbenzene
Concen: 9.996 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:105 Resp: 53034

Ion	Ratio	Lower	Upper
105	100		
120	45.3	21.7	65.1



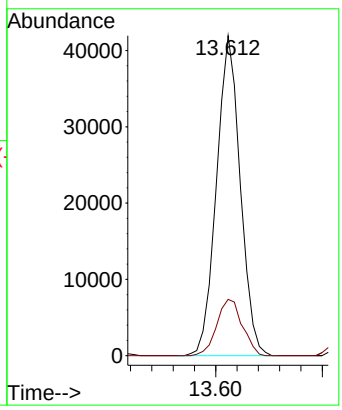


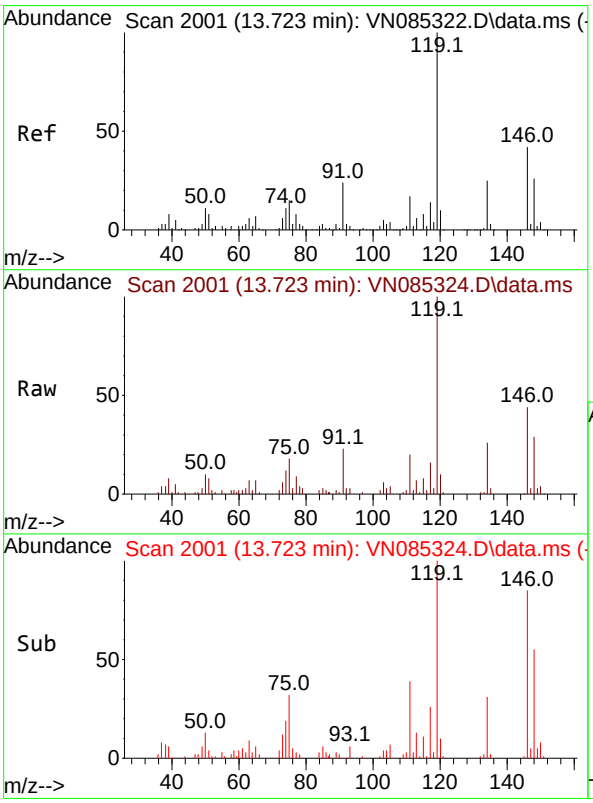
#85
sec-Butylbenzene
Concen: 10.118 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 64824

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.4	28.3

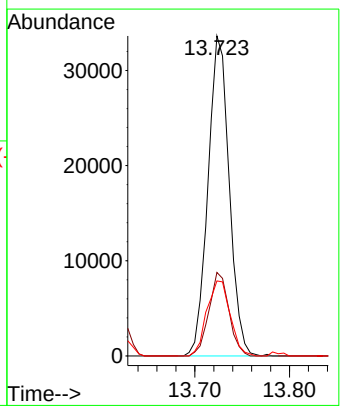


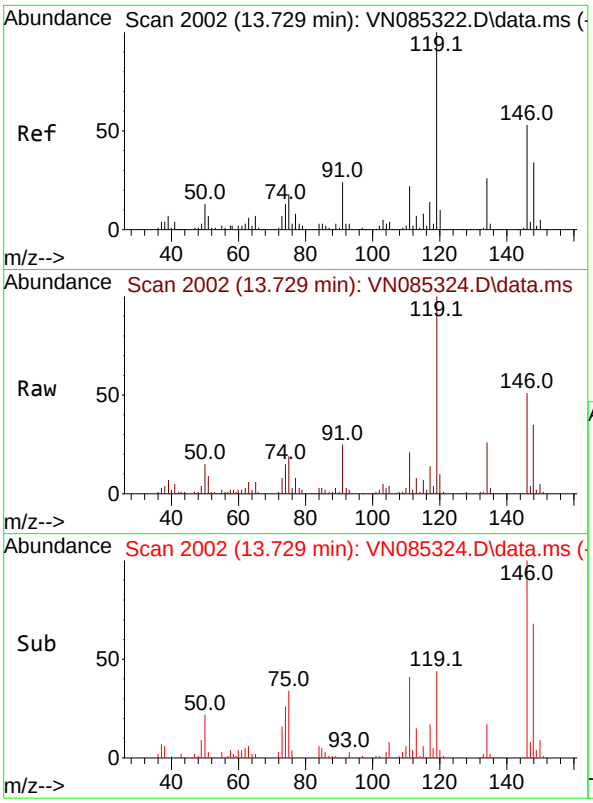


#86
p-Isopropyltoluene
Concen: 10.127 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:119 Resp: 52240

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	25.7	12.2	36.4



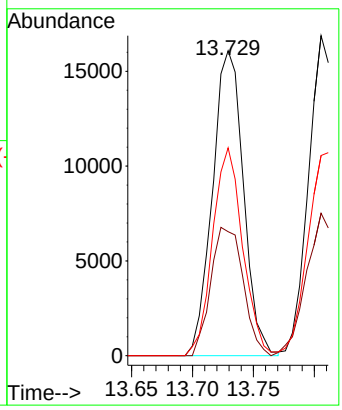


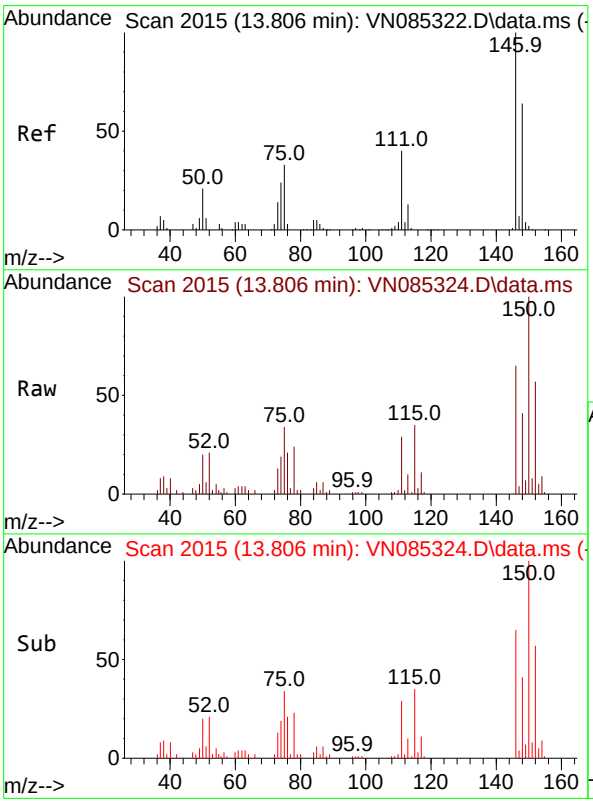
#87
1,3-Dichlorobenzene
Concen: 9.627 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 28481

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	66.0	31.5	94.5

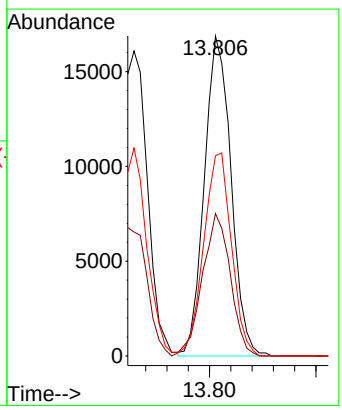


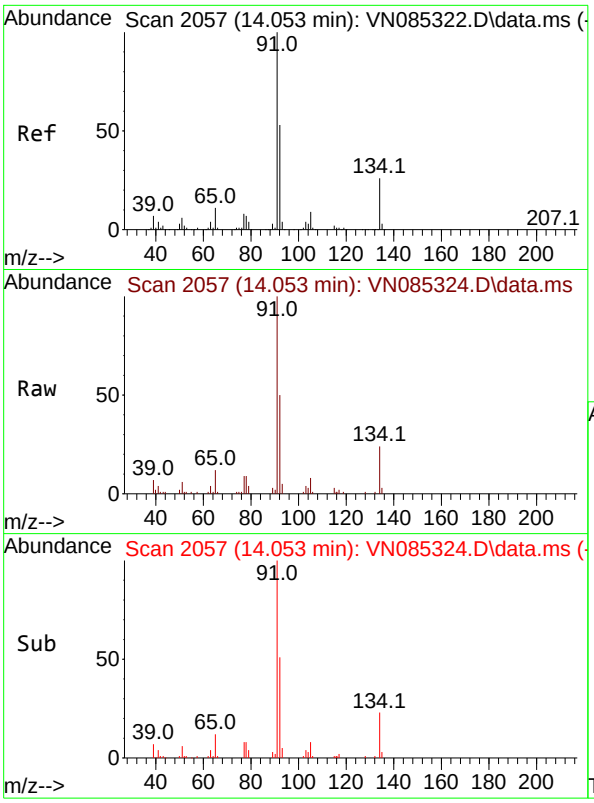


#88
1,4-Dichlorobenzene
Concen: 9.655 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:146 Resp: 29343

Ion	Ratio	Lower	Upper
146	100		
111	46.4	20.8	62.5
148	66.1	31.7	95.1



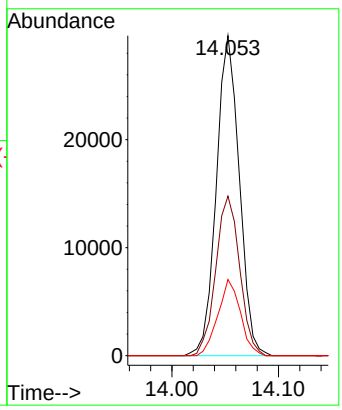


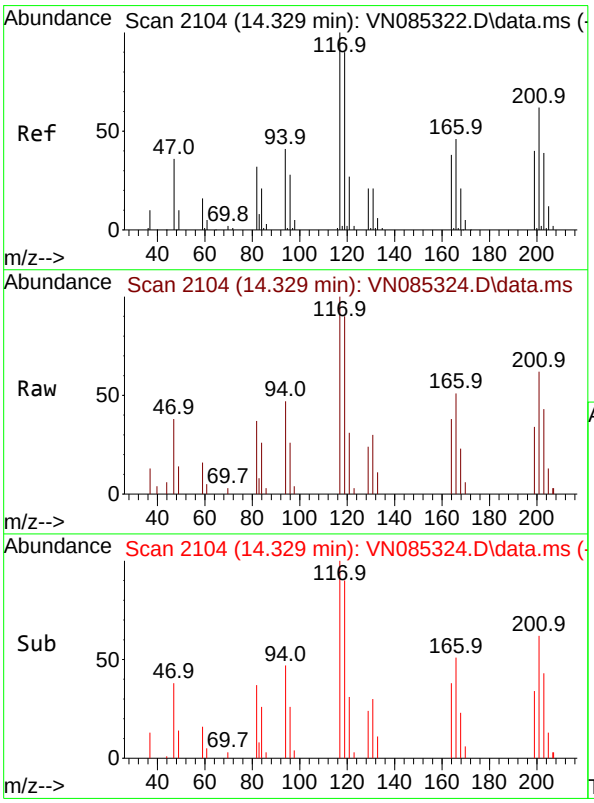
#89
n-Butylbenzene
Concen: 9.440 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 91 Resp: 44284

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	23.4	12.1	36.3

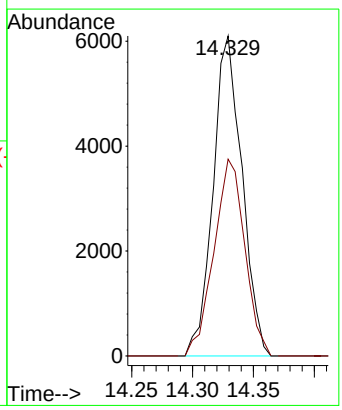


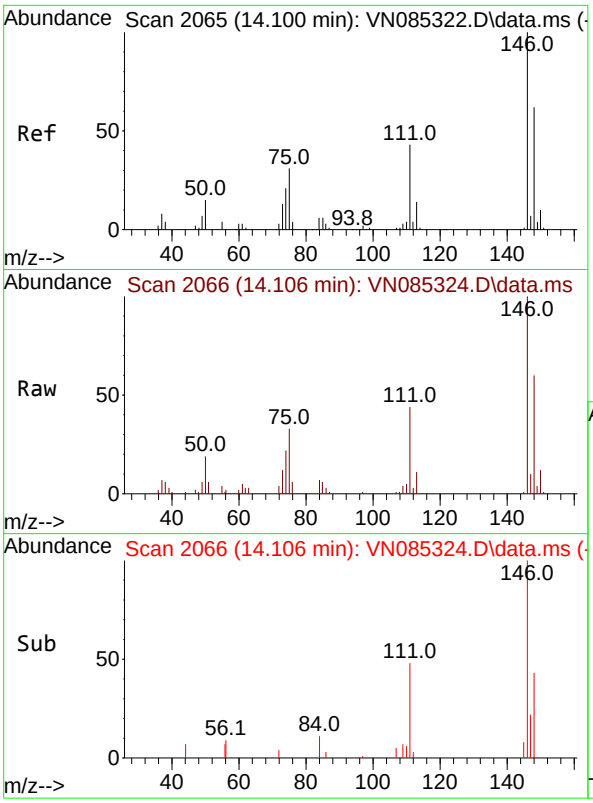


#90
Hexachloroethane
Concen: 9.609 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:117 Resp: 10091

Ion	Ratio	Lower	Upper
117	100		
201	65.6	30.7	92.1



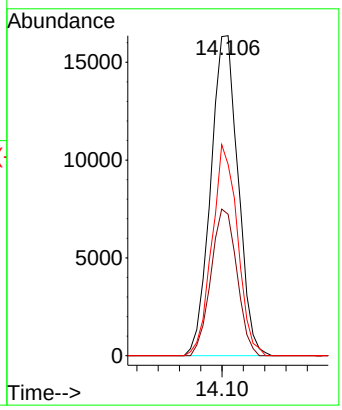


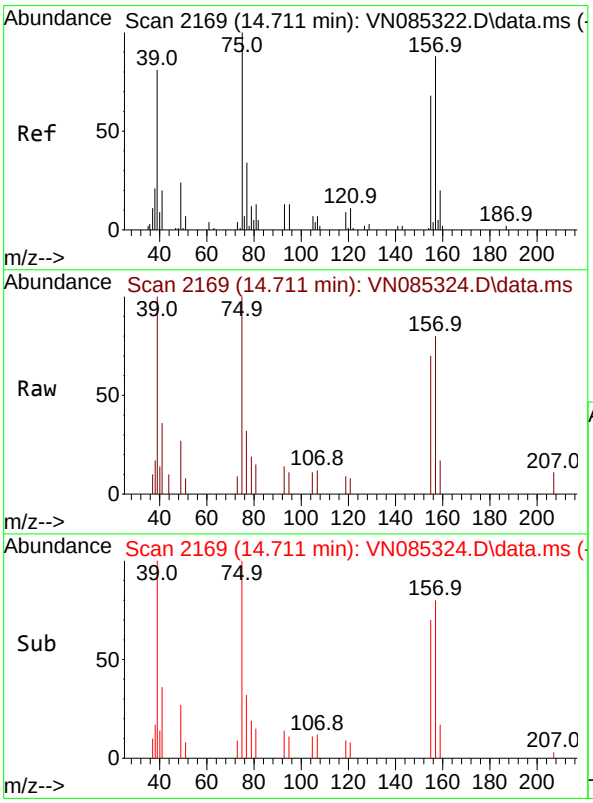
#91
1,2-Dichlorobenzene
Concen: 10.348 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:146 Resp: 29163

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.3
148	61.5	31.4	94.2

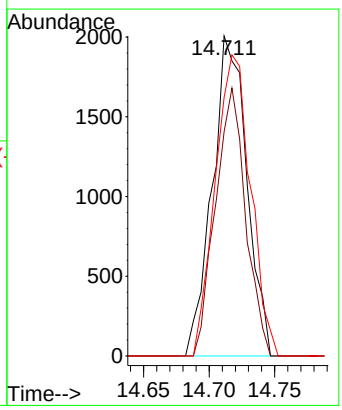


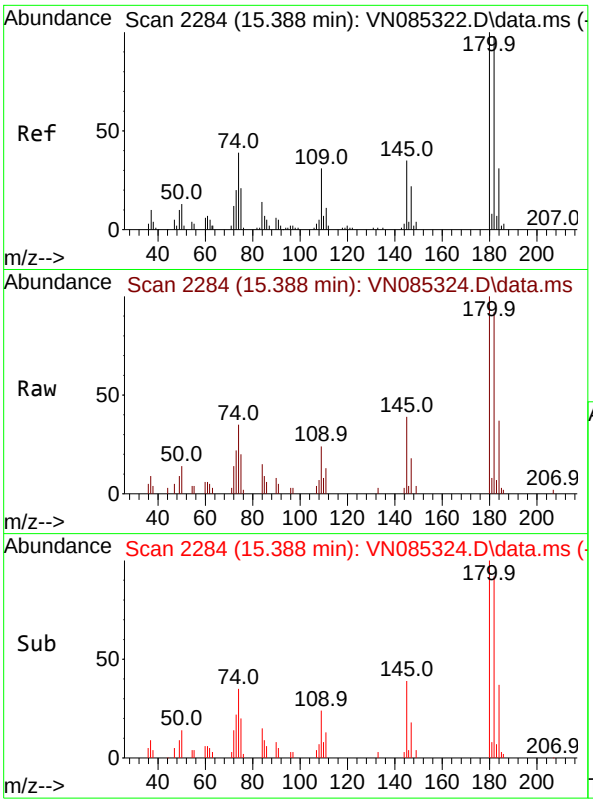


#92
1,2-Dibromo-3-Chloropropane
Concen: 9.818 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion: 75 Resp: 3666

Ion	Ratio	Lower	Upper
75	100		
155	73.4	35.6	106.9
157	96.6	47.0	141.0



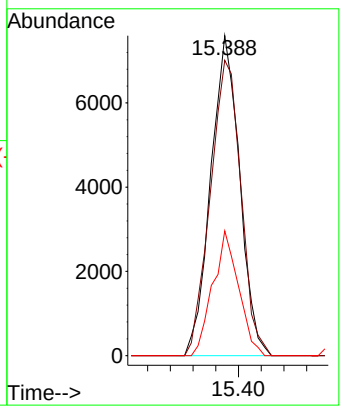


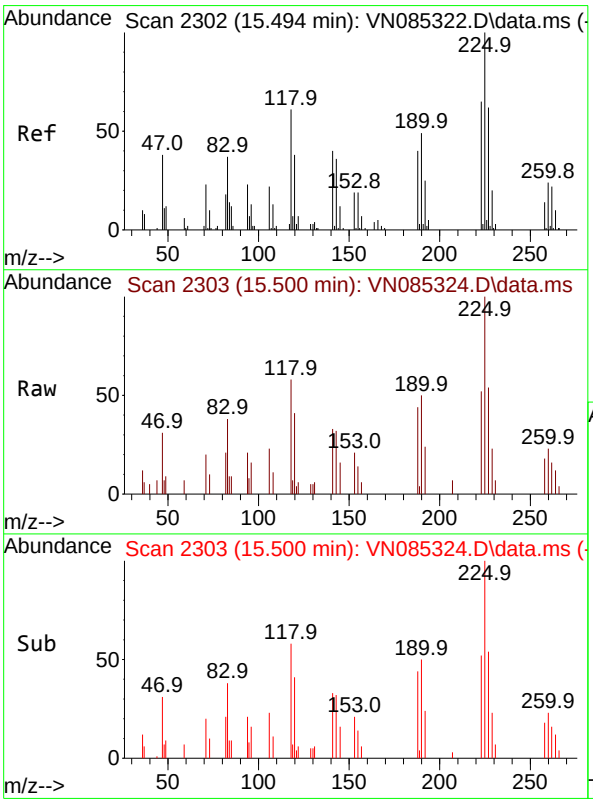
#93
1,2,4-Trichlorobenzene
Concen: 9.538 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:180 Resp: 13416

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.2	141.6
145	34.8	16.6	49.8

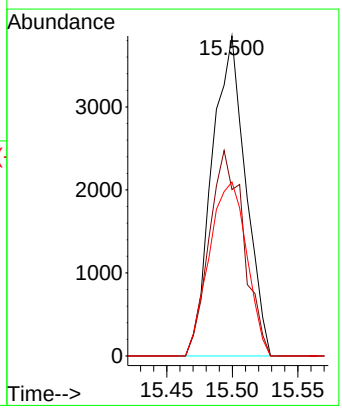


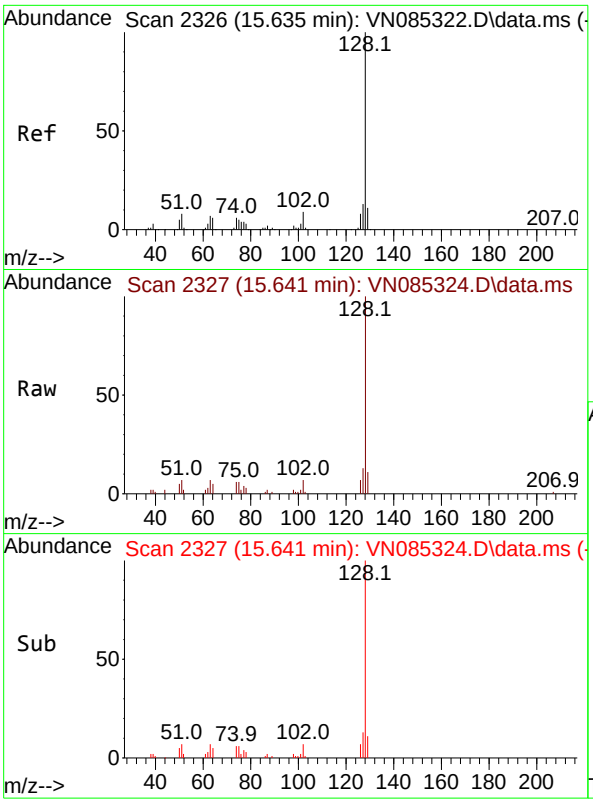


#94
Hexachlorobutadiene
Concen: 9.830 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:225 Resp: 6870

Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.6	94.7
227	60.8	30.3	91.0



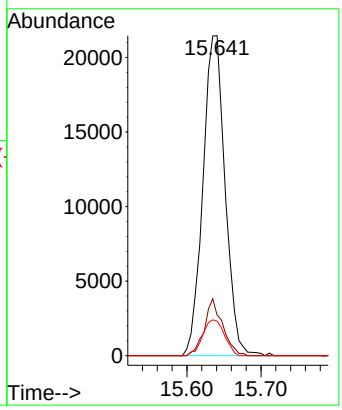


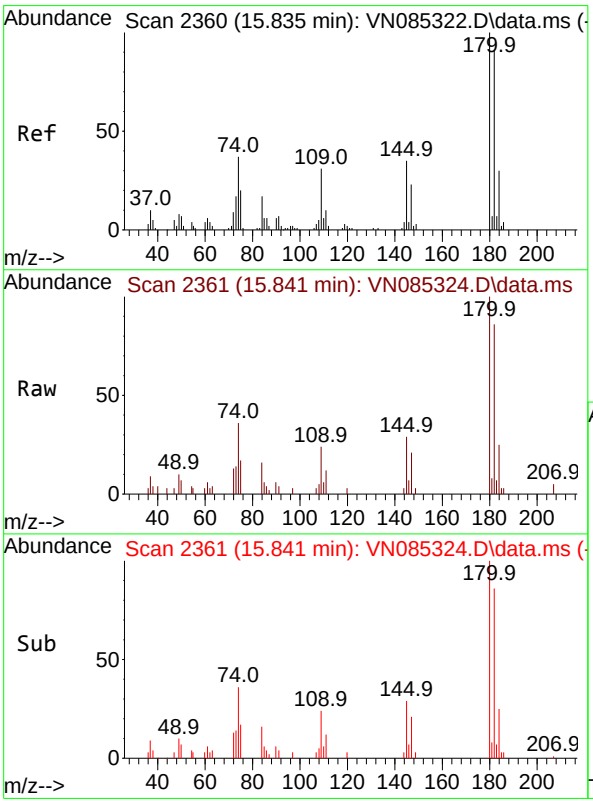
#95
Naphthalene
Concen: 9.374 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:128 Resp: 44712

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	11.0	8.5	12.7

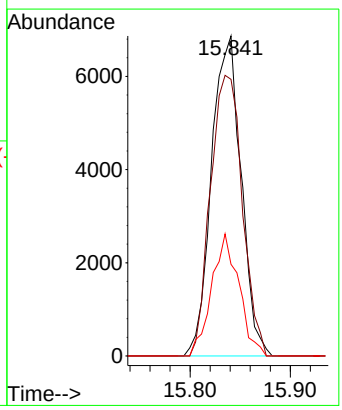




#96
1,2,3-Trichlorobenzene
Concen: 10.012 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085324.D
Acq: 27 Dec 2024 11:37

Tgt Ion:180 Resp: 14070

Ion	Ratio	Lower	Upper
180	100		
182	94.5	46.8	140.4
145	35.2	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 28 00:09:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	263044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	11186	5.307	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.620%#		
35) Dibromofluoromethane	8.159	113	8683	5.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.580%#		
50) Toluene-d8	10.565	98	32316	5.367	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.740%#		
62) 4-Bromofluorobenzene	12.841	95	10066	5.033	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.060%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	9959	4.983	ug/l	87
3) Chloromethane	2.359	50	10992	4.893	ug/l	94
4) Vinyl Chloride	2.512	62	12286	5.172	ug/l	98
5) Bromomethane	2.954	94	8726	5.616	ug/l	96
6) Chloroethane	3.118	64	7888	5.236	ug/l	100
7) Trichlorofluoromethane	3.501	101	15924	5.099	ug/l	97
8) Diethyl Ether	3.953	74	5358	5.182	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	9363	5.269	ug/l #	48
10) Methyl Iodide	4.589	142	9845	4.788	ug/l #	93
11) Tert butyl alcohol	5.518	59	7128	27.007	ug/l #	84
12) 1,1-Dichloroethene	4.336	96	8833	5.379	ug/l	79
13) Acrolein	4.177	56	11310	27.485	ug/l	100
14) Allyl chloride	5.018	41	13153	5.004	ug/l	93
15) Acrylonitrile	5.724	53	20549	24.736	ug/l	98
16) Acetone	4.424	43	17276	24.926	ug/l	94
17) Carbon Disulfide	4.706	76	25152	5.035	ug/l	98
18) Methyl Acetate	5.030	43	10628	5.009	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	26395	4.945	ug/l	97
20) Methylene Chloride	5.277	84	9500	5.096	ug/l	86
21) trans-1,2-Dichloroethene	5.777	96	8724	5.085	ug/l	87
22) Diisopropyl ether	6.665	45	29256	5.165	ug/l #	92
23) Vinyl Acetate	6.600	43	107855	25.172	ug/l	95
24) 1,1-Dichloroethane	6.571	63	17288	5.067	ug/l	94
25) 2-Butanone	7.483	43	27176	25.274	ug/l	99
26) 2,2-Dichloropropane	7.489	77	15617	5.225	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	9778	4.856	ug/l	92
28) Bromochloromethane	7.806	49	8779	5.537	ug/l #	98
29) Tetrahydrofuran	7.836	42	17009	24.557	ug/l	97
30) Chloroform	7.959	83	17135	4.909	ug/l	97
31) Cyclohexane	8.259	56	17671	5.672	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	15694	5.035	ug/l #	87
36) 1,1-Dichloropropene	8.365	75	12017	5.001	ug/l	98
37) Ethyl Acetate	7.559	43	11648	4.877	ug/l #	96
38) Carbon Tetrachloride	8.359	117	12952	4.945	ug/l	91
39) Methylcyclohexane	9.600	83	11831	4.746	ug/l #	92
40) Benzene	8.600	78	36472	5.021	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 28 00:09:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	6242	5.104	ug/l		99
42) 1,2-Dichloroethane	8.665	62	12978	4.983	ug/l		97
43) Isopropyl Acetate	8.688	43	18930	4.814	ug/l		99
44) Trichloroethene	9.347	130	8533	4.961	ug/l		93
45) 1,2-Dichloropropane	9.618	63	9143	4.958	ug/l		99
46) Dibromomethane	9.706	93	6573	5.125	ug/l		98
47) Bromodichloromethane	9.888	83	13450	5.046	ug/l		99
48) Methyl methacrylate	9.682	41	8311	4.871	ug/l		98
49) 1,4-Dioxane	9.694	88	2520	97.886	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	54831	24.812	ug/l		99
52) Toluene	10.624	92	21799	5.040	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	13088	4.993	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	13900	4.904	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	8634	5.287	ug/l		91
56) Ethyl methacrylate	10.871	69	10291	4.327	ug/l		98
57) 1,3-Dichloropropane	11.159	76	14548	5.076	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.153	63	28647	24.895	ug/l		98
59) 2-Hexanone	11.188	43	36958	24.105	ug/l		99
60) Dibromochloromethane	11.359	129	9180	4.991	ug/l		96
61) 1,2-Dibromoethane	11.465	107	8013	4.960	ug/l		99
64) Tetrachloroethene	11.106	164	7300	5.095	ug/l		84
65) Chlorobenzene	11.888	112	24138	4.940	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	7880	4.805	ug/l		94
67) Ethyl Benzene	11.959	91	39102	4.812	ug/l		95
68) m/p-Xylenes	12.065	106	29104	9.786	ug/l		96
69) o-Xylene	12.394	106	13620	4.734	ug/l		98
70) Styrene	12.406	104	21804	4.676	ug/l		99
71) Bromoform	12.571	173	5494	4.837	ug/l	#	99
73) Isopropylbenzene	12.694	105	35544	5.124	ug/l		97
74) N-amyl acetate	12.494	43	13811	4.651	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	11349	5.137	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	14988	5.347	ug/l		57
77) Bromobenzene	12.976	156	8544	4.971	ug/l		98
78) n-propylbenzene	13.029	91	38185	4.722	ug/l		99
79) 2-Chlorotoluene	13.123	91	26279	5.164	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	27787	4.952	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.729	75	3288	4.294	ug/l		95
82) 4-Chlorotoluene	13.218	91	25709	5.016	ug/l		97
83) tert-Butylbenzene	13.435	119	24152	4.969	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	26238	4.696	ug/l		97
85) sec-Butylbenzene	13.612	105	33215	4.923	ug/l		97
86) p-Isopropyltoluene	13.723	119	25238	4.646	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	15966	5.124	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	16072	5.021	ug/l		91
89) n-Butylbenzene	14.053	91	22807	4.616	ug/l		99
90) Hexachloroethane	14.329	117	5398	4.881	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	14881	5.014	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2047	5.206	ug/l		94
93) 1,2,4-Trichlorobenzene	15.382	180	7250	4.894	ug/l		96
94) Hexachlorobutadiene	15.500	225	3976	5.402	ug/l		96
95) Naphthalene	15.635	128	22967	4.572	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	7594	5.131	ug/l		95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 28 00:09:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

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

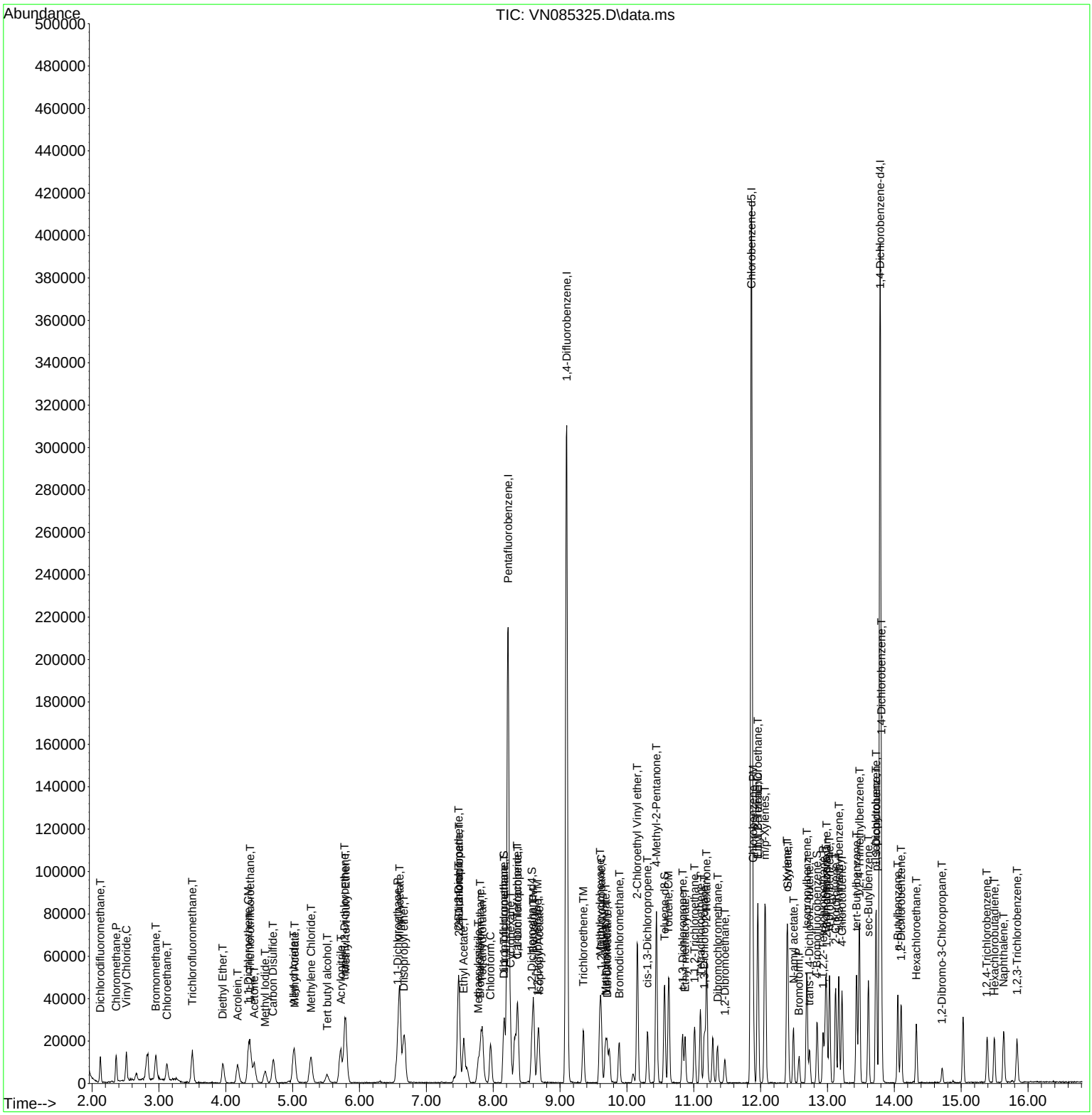
(#) = qualifier out of range (m) = manual integration (+) = signals summed

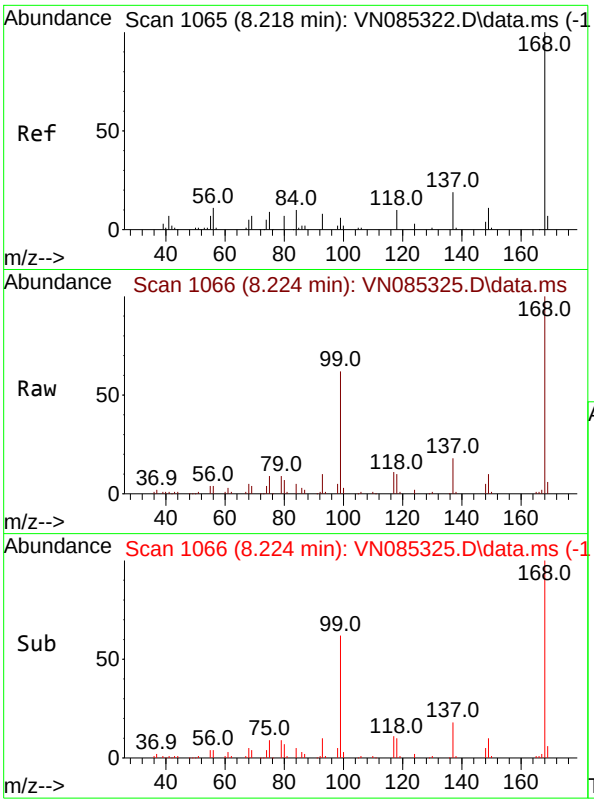
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Dec 28 00:09:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



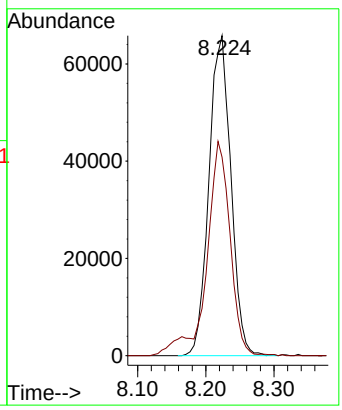


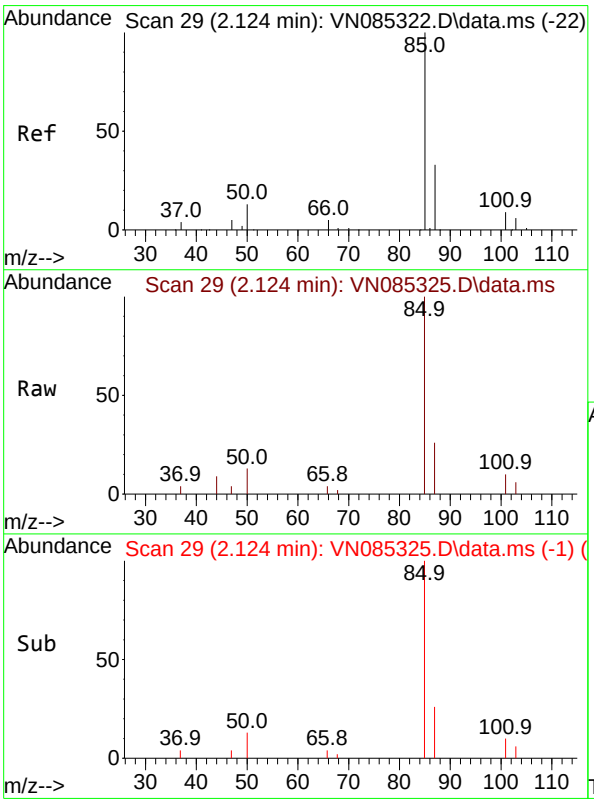
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 147779

Ion	Ratio	Lower	Upper
168	100		
99	62.1	51.0	76.4

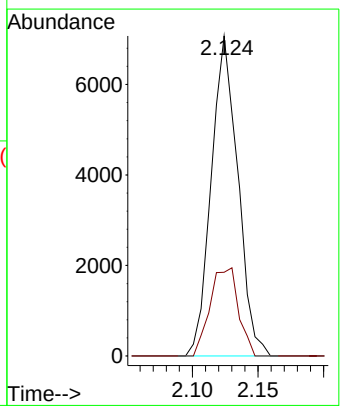


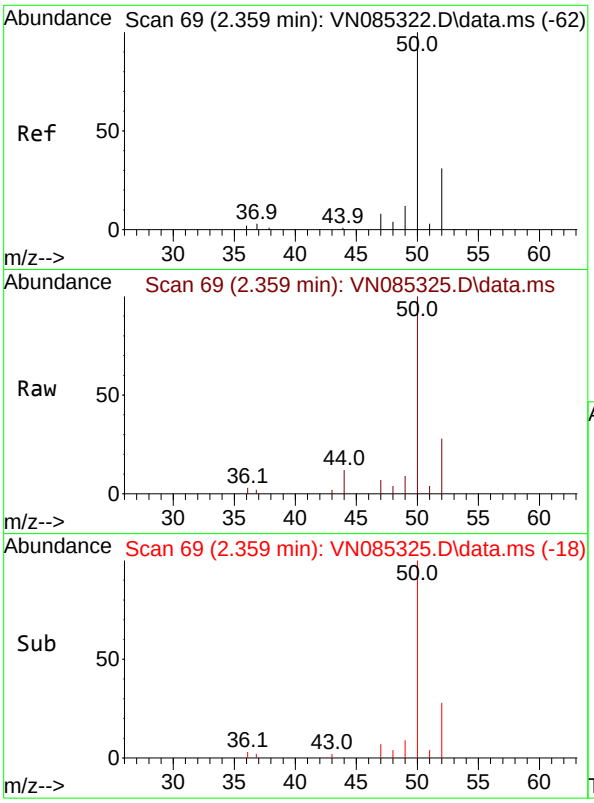


#2
Dichlorodifluoromethane
Concen: 4.983 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 85 Resp: 9959

Ion	Ratio	Lower	Upper
85	100		
87	26.2	16.8	50.3



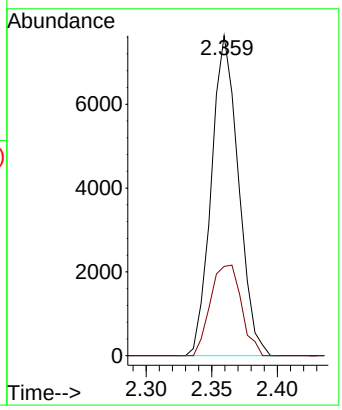


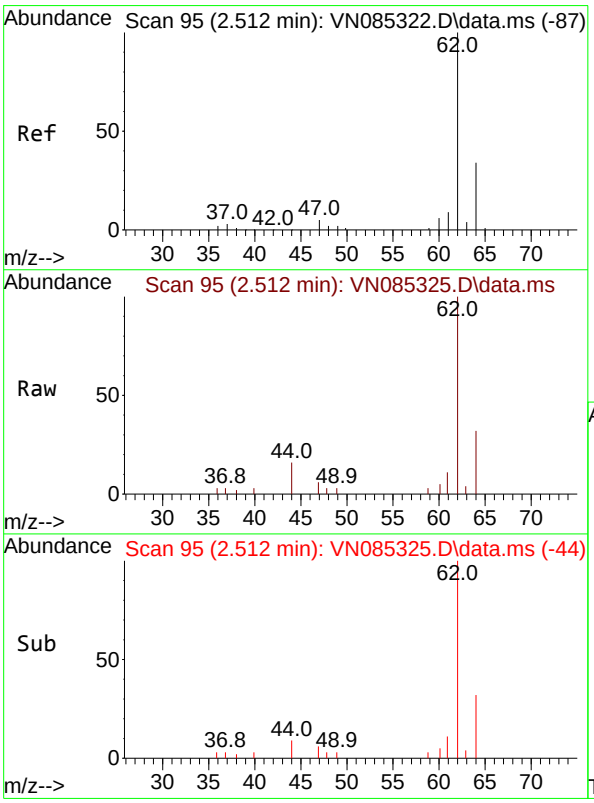
#3
Chloromethane
Concen: 4.893 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 10992

Ion	Ratio	Lower	Upper
50	100		
52	27.9	25.1	37.7

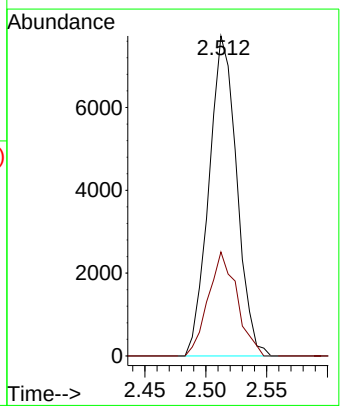


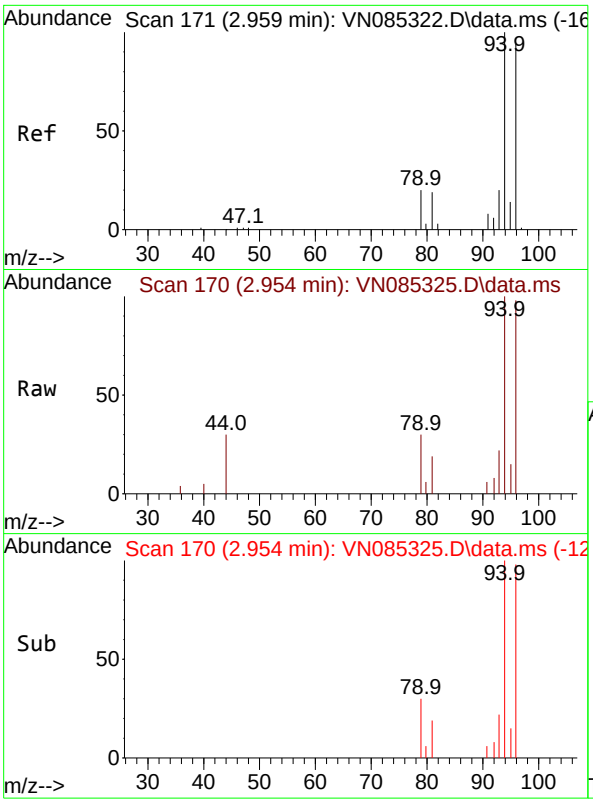


#4
Vinyl Chloride
Concen: 5.172 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 62 Resp: 12286

Ion	Ratio	Lower	Upper
62	100		
64	32.5	27.0	40.6



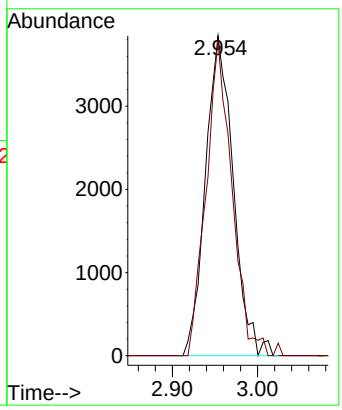


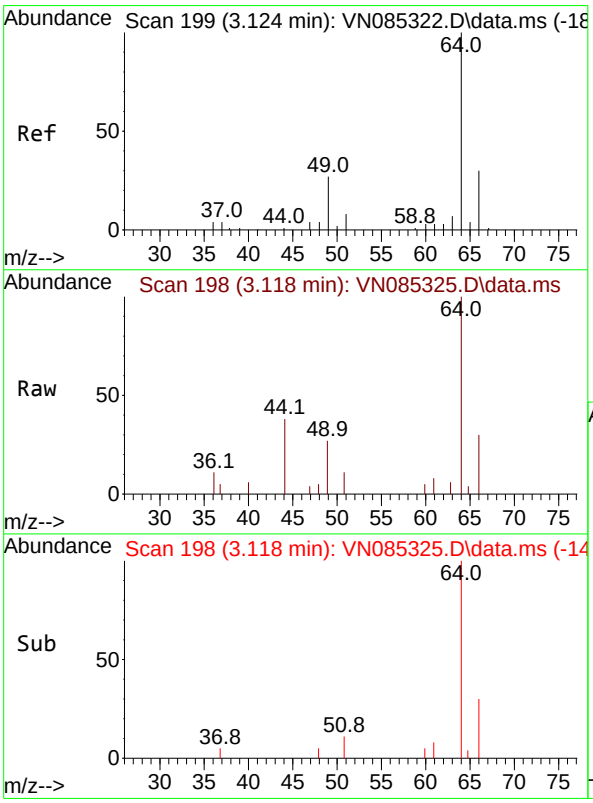
#5
Bromomethane
Concen: 5.616 ug/l
RT: 2.954 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 8726

Ion	Ratio	Lower	Upper
94	100		
96	98.3	75.2	112.8

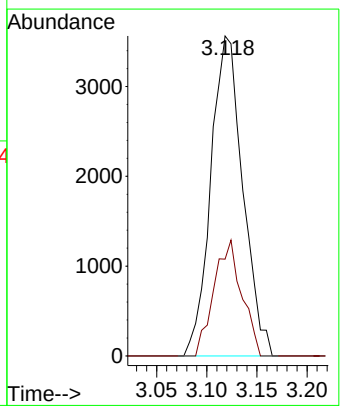


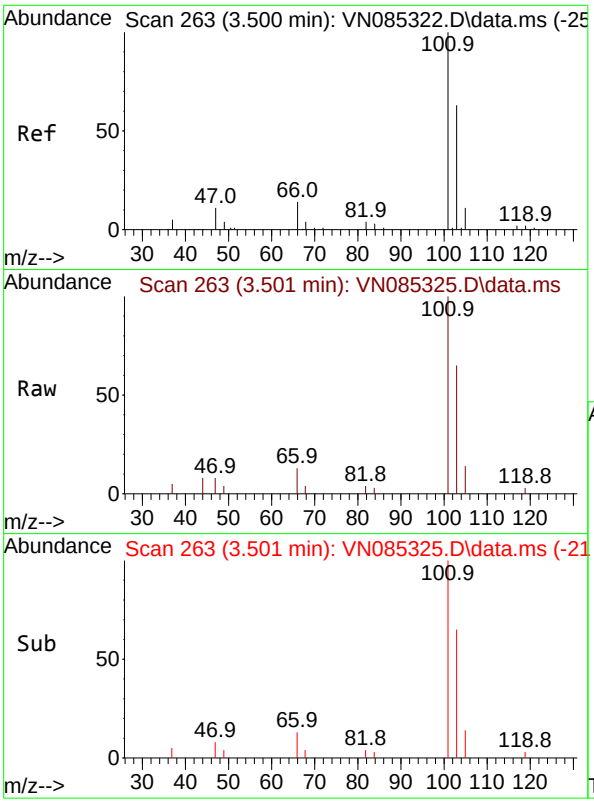


#6
Chloroethane
Concen: 5.236 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 64 Resp: 7888

Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.1	36.1



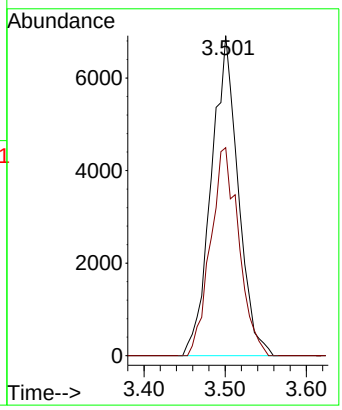


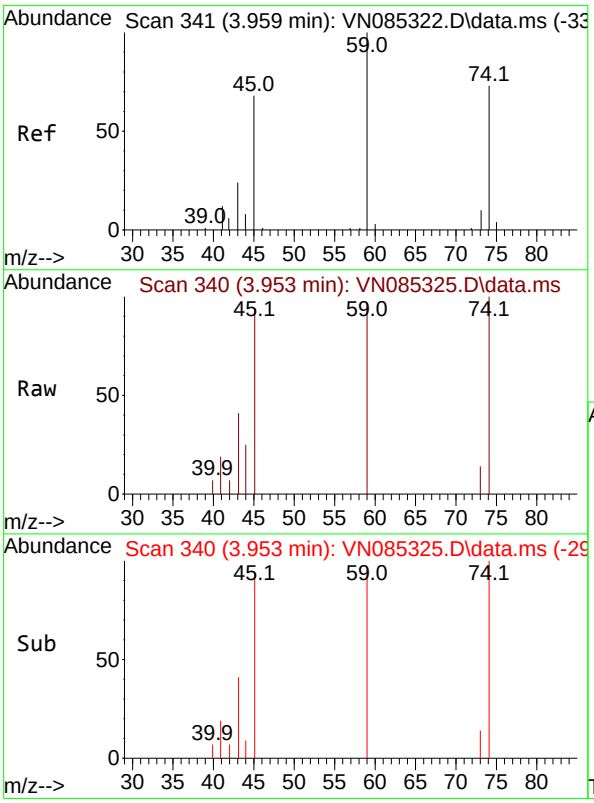
#7
Trichlorofluoromethane
Concen: 5.099 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 15924

Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.3	75.5

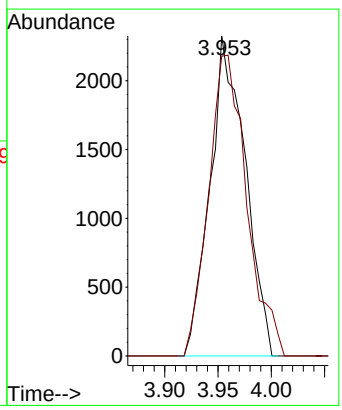


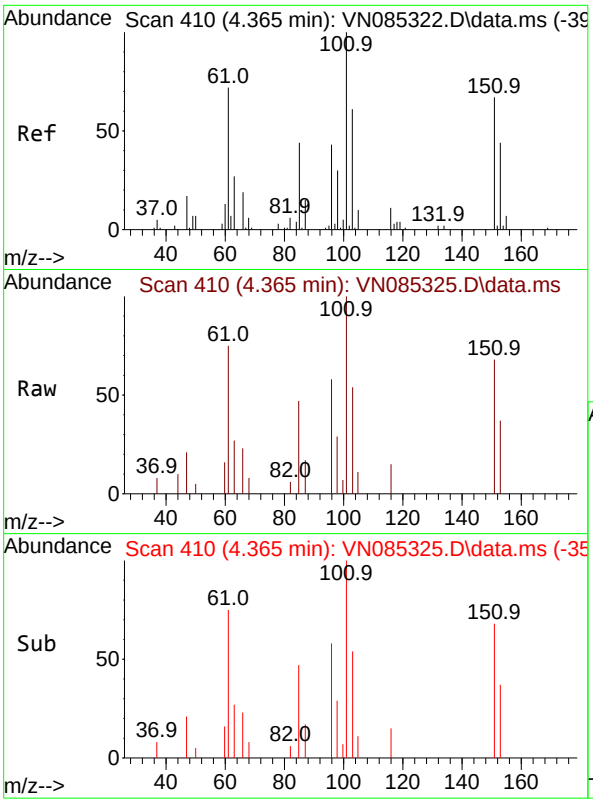


#8
Diethyl Ether
Concen: 5.182 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 74 Resp: 5358

Ion	Ratio	Lower	Upper
74	100		
45	101.4	47.5	142.6



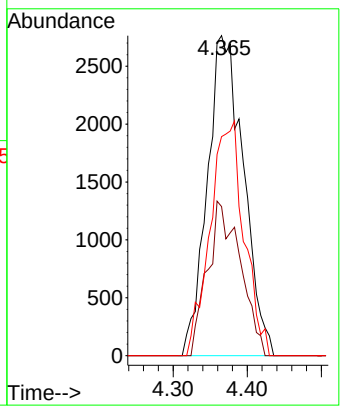


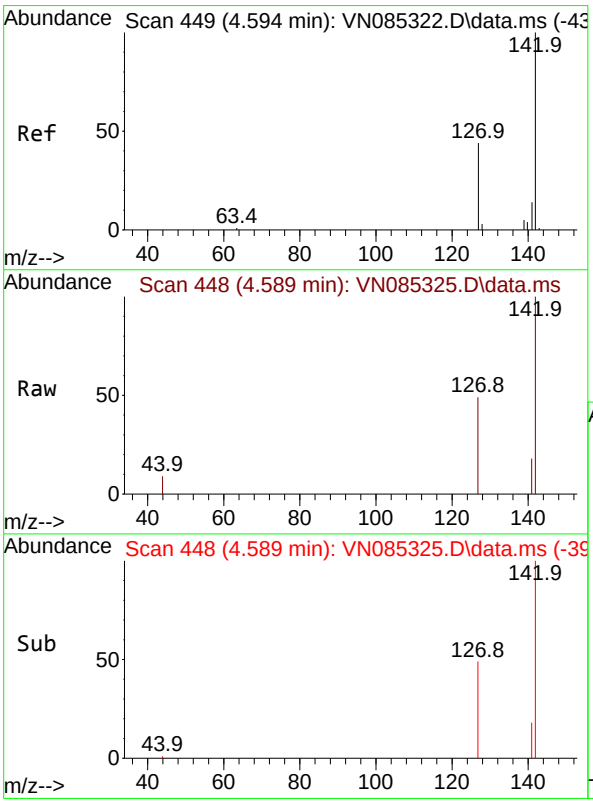
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.269 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9363

Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.2	54.4
151	0.0	55.8	83.6#

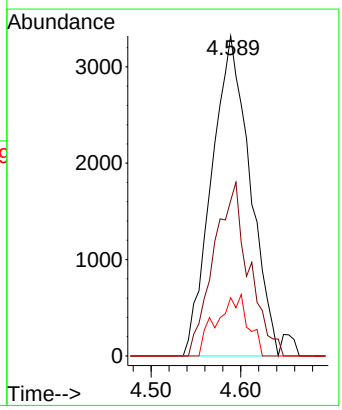


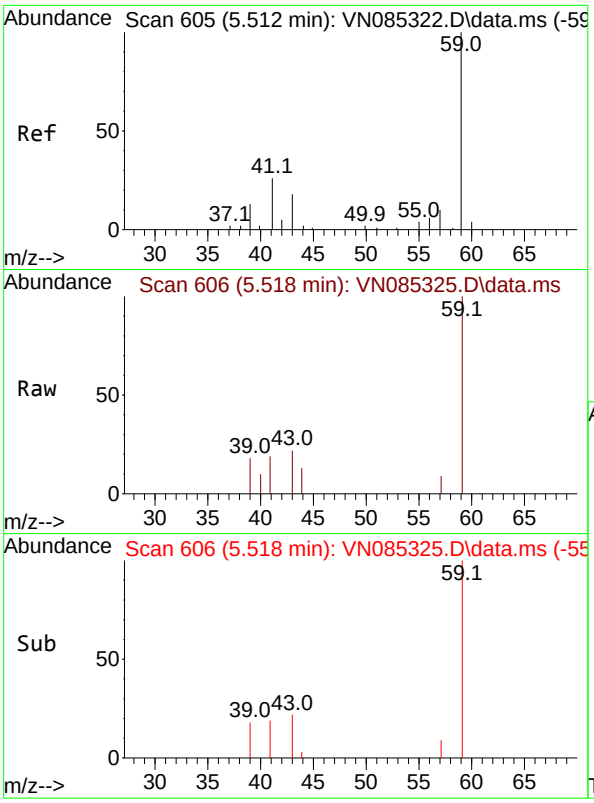


#10
Methyl Iodide
Concen: 4.788 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:142 Resp: 9845

Ion	Ratio	Lower	Upper
142	100		
127	48.5	35.3	52.9
141	18.2	11.5	17.3#



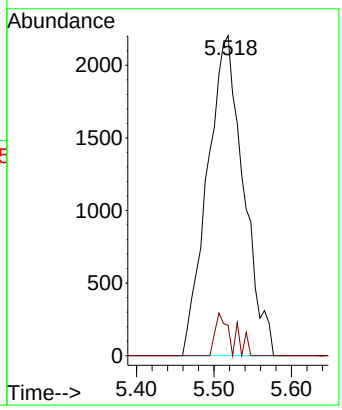


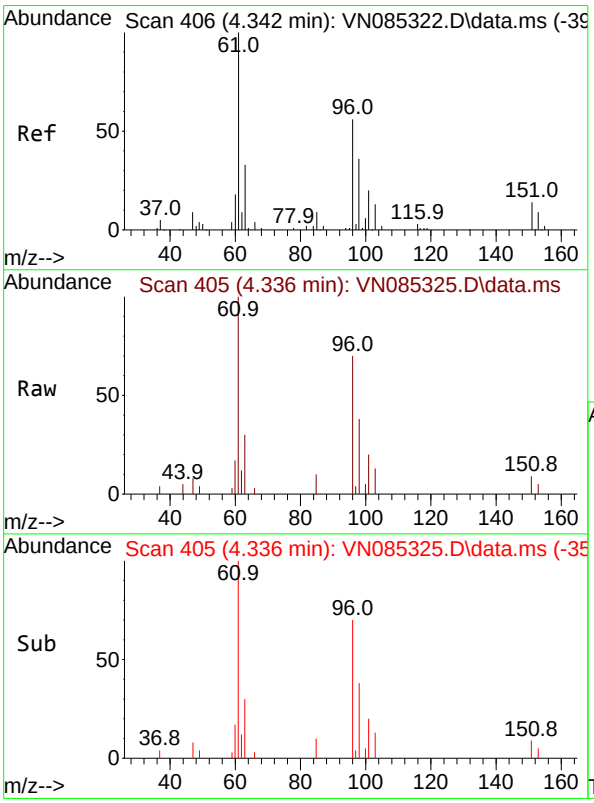
#11
Tert butyl alcohol
Concen: 27.007 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7128

Ion	Ratio	Lower	Upper
59	100		
57	4.3	8.1	12.1#

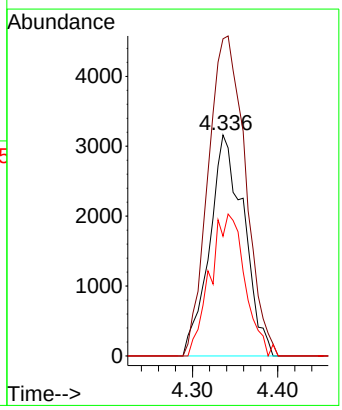


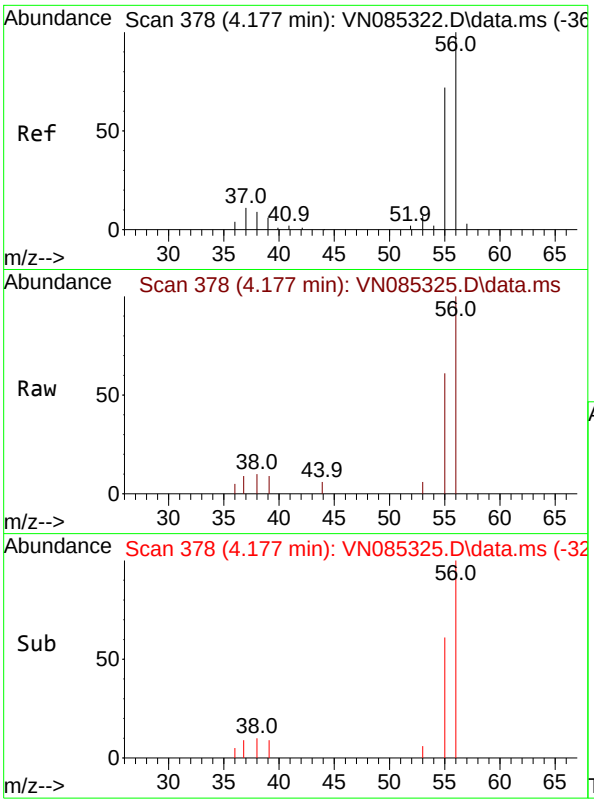


#12
1,1-Dichloroethene
Concen: 5.379 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 96 Resp: 8833

Ion	Ratio	Lower	Upper
96	100		
61	143.5	142.4	213.6
98	54.2	51.5	77.3



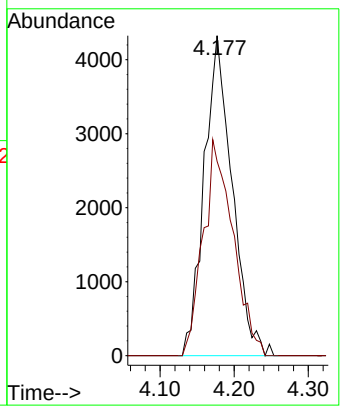


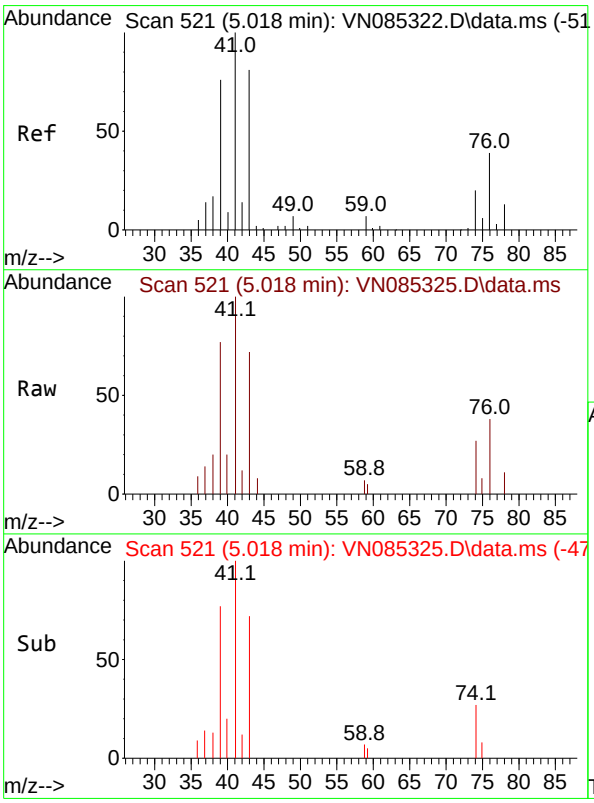
#13
Acrolein
Concen: 27.485 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 11310

Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.5	86.3

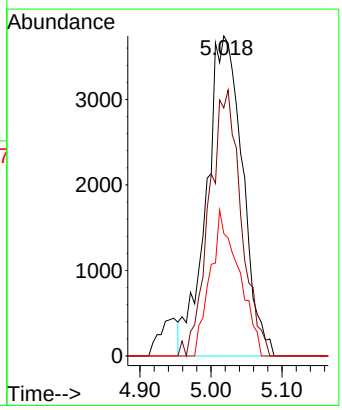


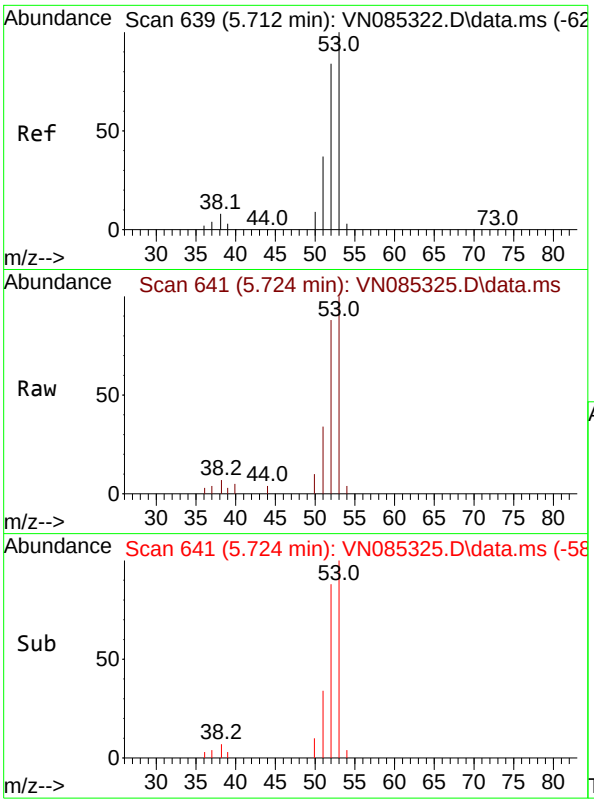


#14
Allyl chloride
Concen: 5.004 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 41 Resp: 13153

Ion	Ratio	Lower	Upper
41	100		
39	74.0	64.4	96.6
76	36.2	31.5	47.3



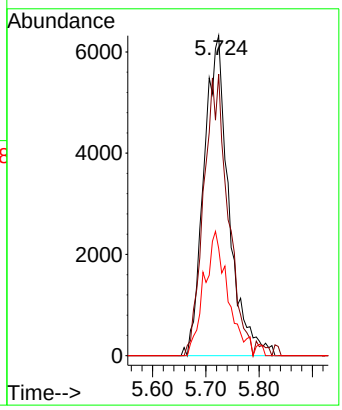


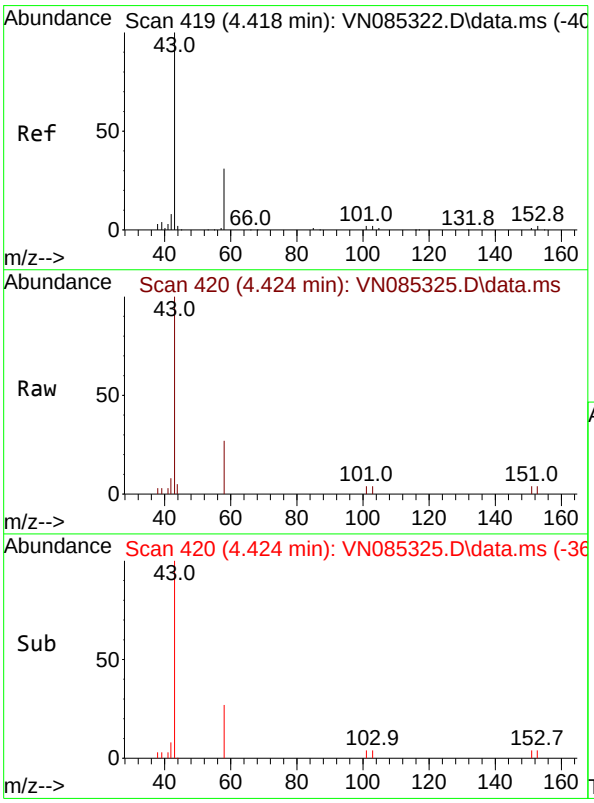
#15
Acrylonitrile
Concen: 24.736 ug/l
RT: 5.724 min Scan# 64
Delta R.T. 0.012 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 20549

Ion	Ratio	Lower	Upper
53	100		
52	85.6	66.6	100.0
51	37.1	29.6	44.4

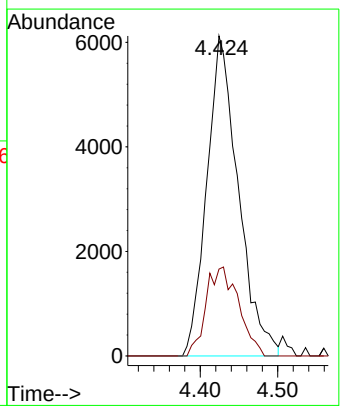


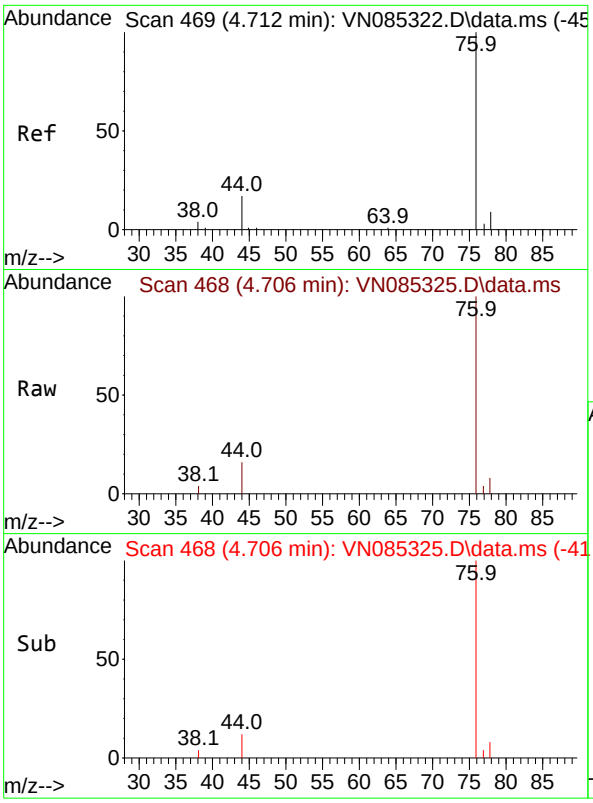


#16
Acetone
Concen: 24.926 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 17276

Ion	Ratio	Lower	Upper
43	100		
58	27.2	24.5	36.7



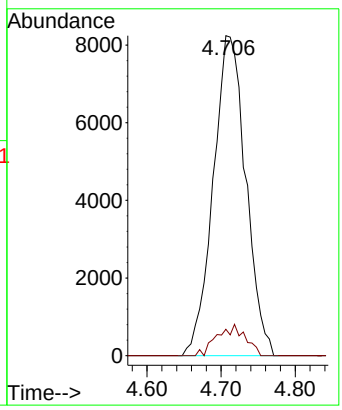


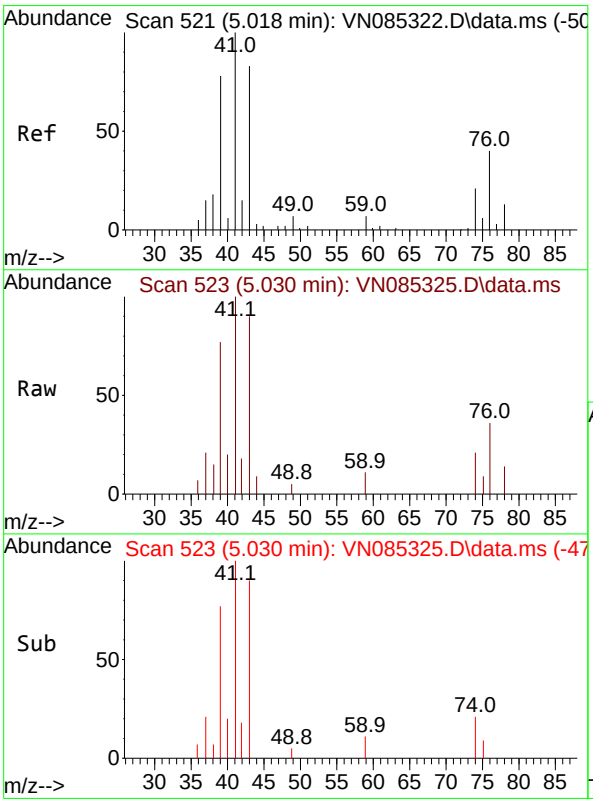
#17
Carbon Disulfide
Concen: 5.035 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 25152

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.2	10.8

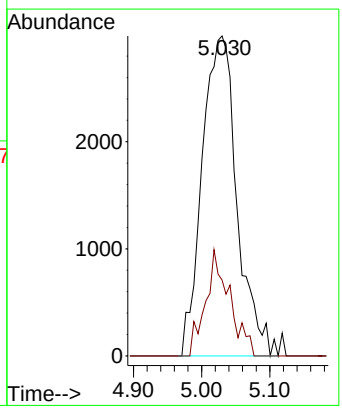


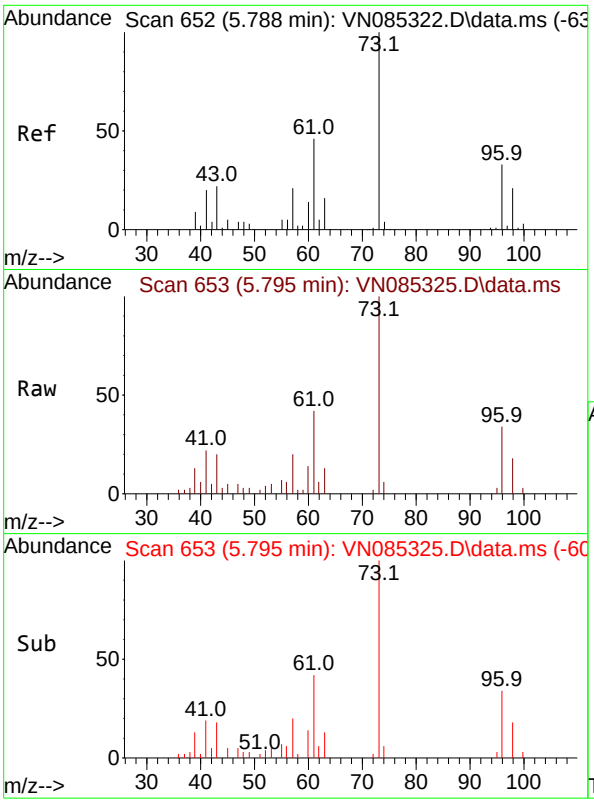


#18
Methyl Acetate
Concen: 5.009 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 10628

Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.0	28.6



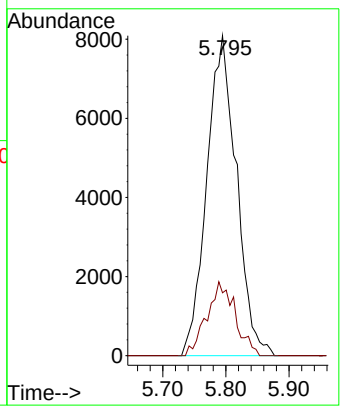


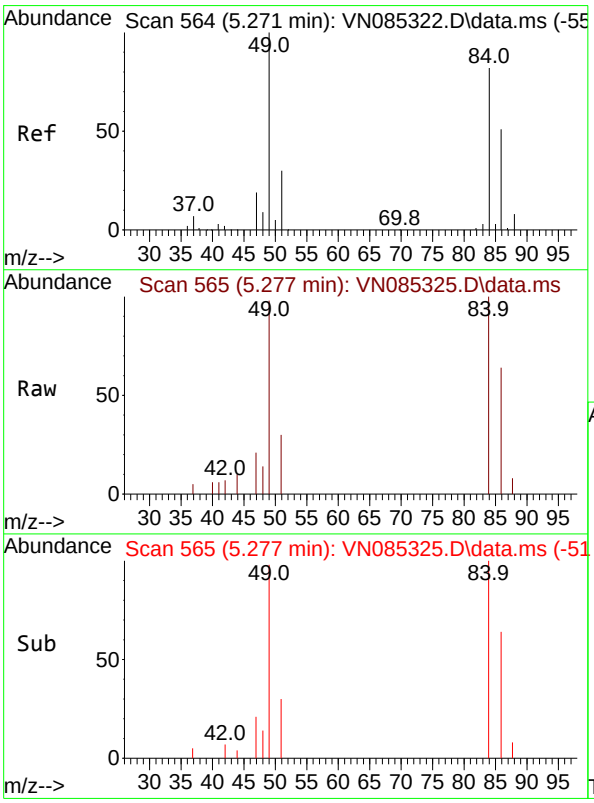
#19
Methyl tert-butyl Ether
Concen: 4.945 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 26395

Ion	Ratio	Lower	Upper
73	100		
57	19.7	17.0	25.6

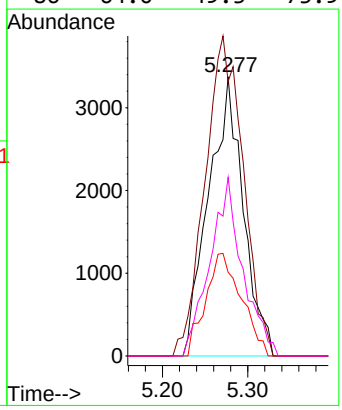


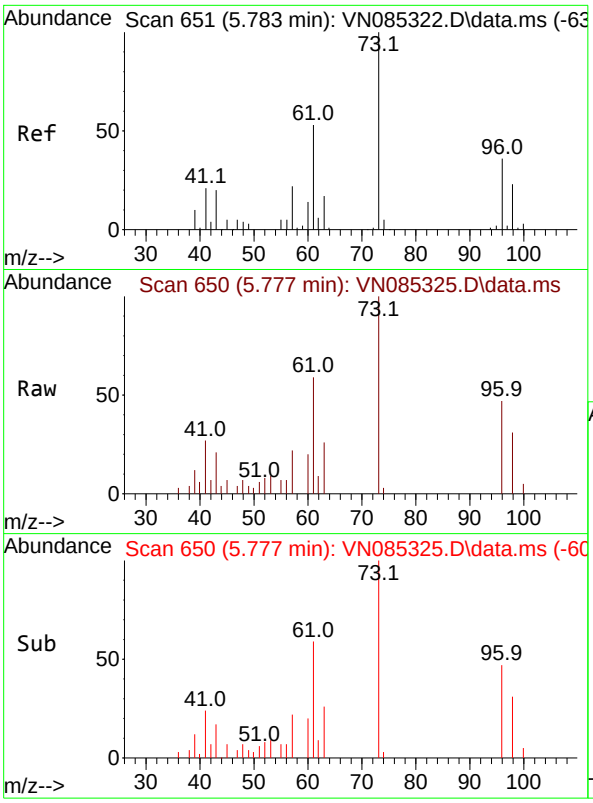


#20
Methylene Chloride
Concen: 5.096 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 84 Resp: 9500

Ion	Ratio	Lower	Upper
84	100		
49	98.3	97.6	146.4
51	30.0	29.1	43.7
86	64.0	49.3	73.9



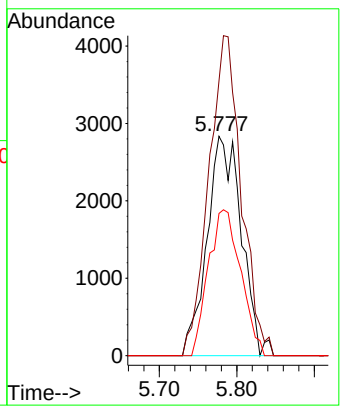


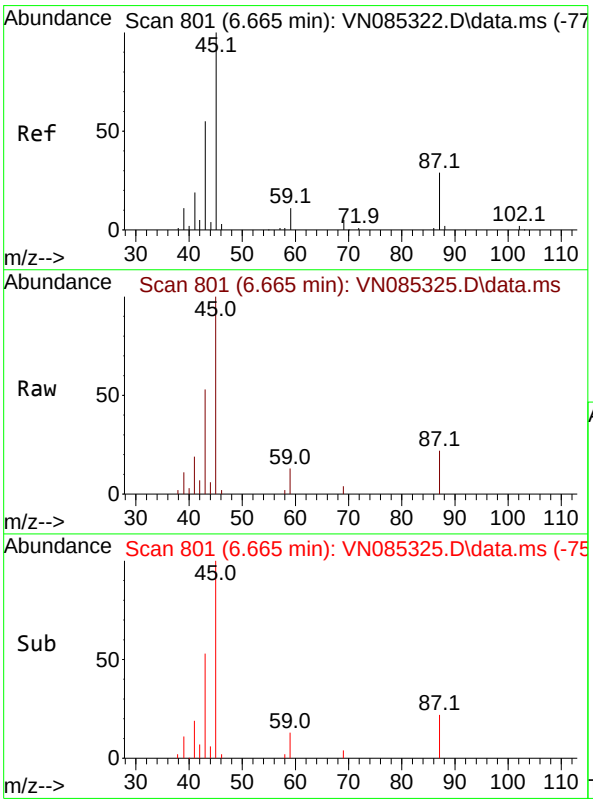
#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 8724

Ion	Ratio	Lower	Upper
96	100		
61	125.3	118.0	177.0
98	64.9	50.6	75.8

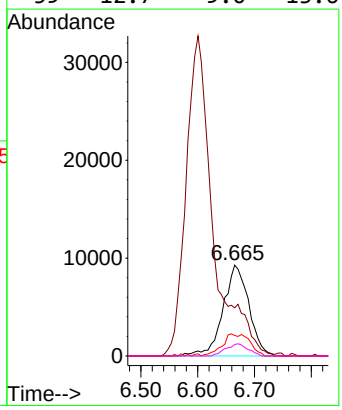


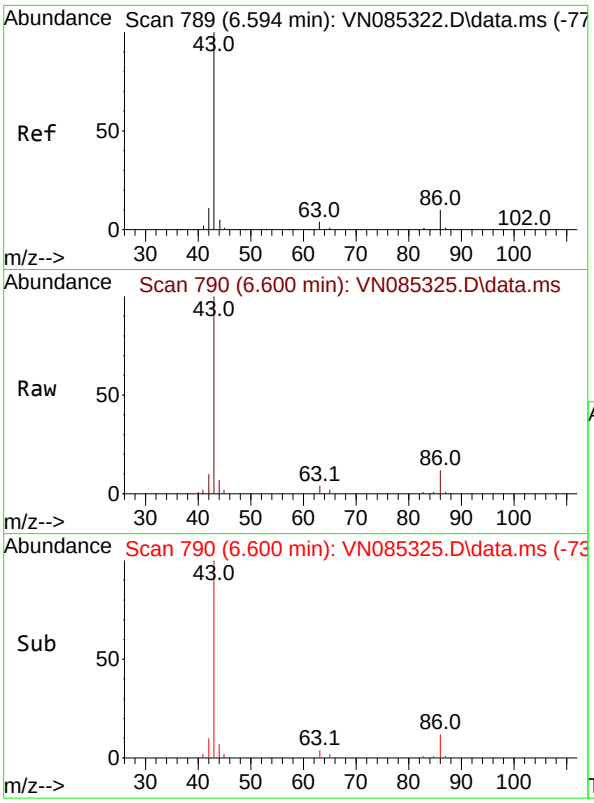


#22
Diisopropyl ether
Concen: 5.165 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 45 Resp: 29256

Ion	Ratio	Lower	Upper
45	100		
43	49.8	44.1	66.1
87	22.5	23.2	34.8#
59	12.7	9.0	13.6



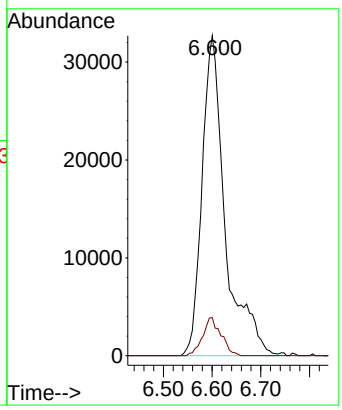


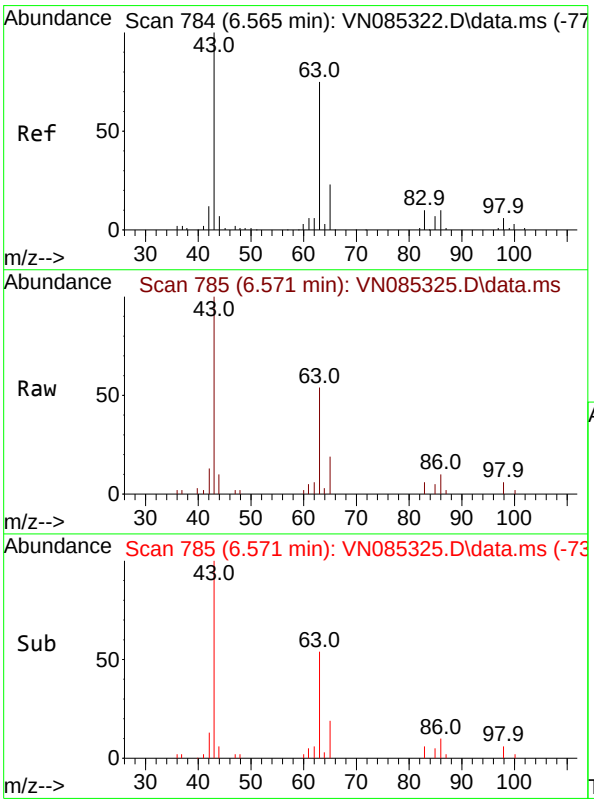
#23
Vinyl Acetate
Concen: 25.172 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 107855

Ion	Ratio	Lower	Upper
43	100		
86	11.9	8.0	12.0

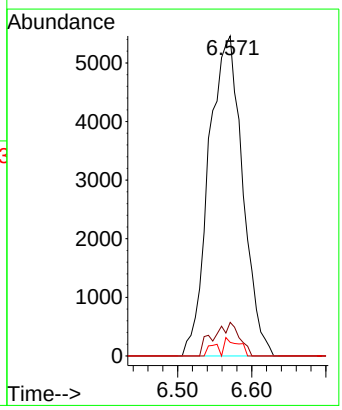


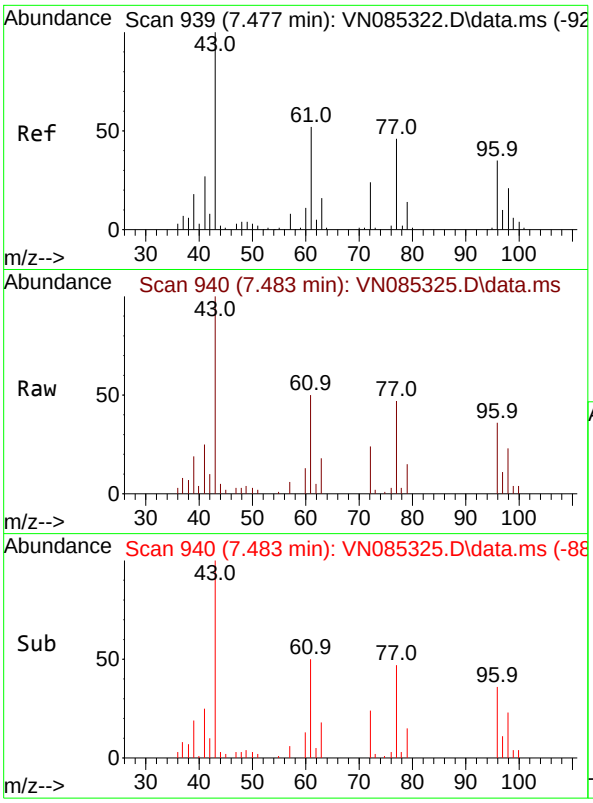


#24
1,1-Dichloroethane
Concen: 5.067 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 63 Resp: 17288

Ion	Ratio	Lower	Upper
63	100		
98	10.5	3.7	11.1
100	4.2	2.3	6.8



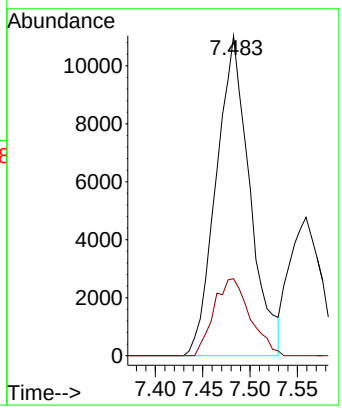


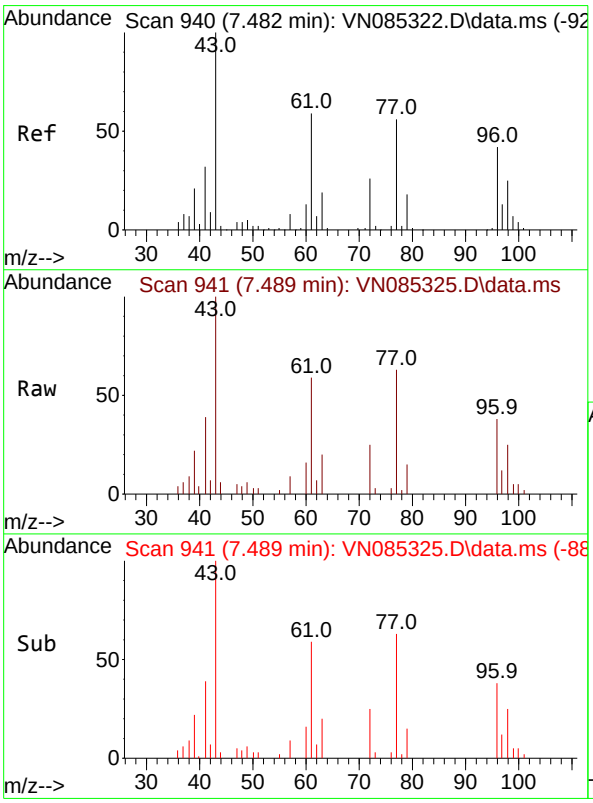
#25
2-Butanone
Concen: 25.274 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 27176

Ion	Ratio	Lower	Upper
43	100		
72	24.1	19.6	29.4

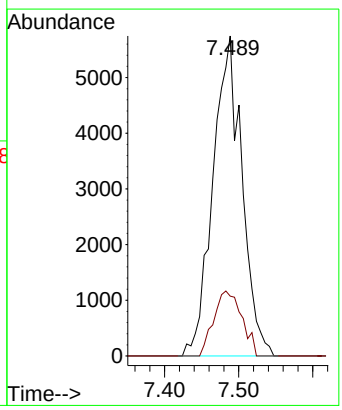


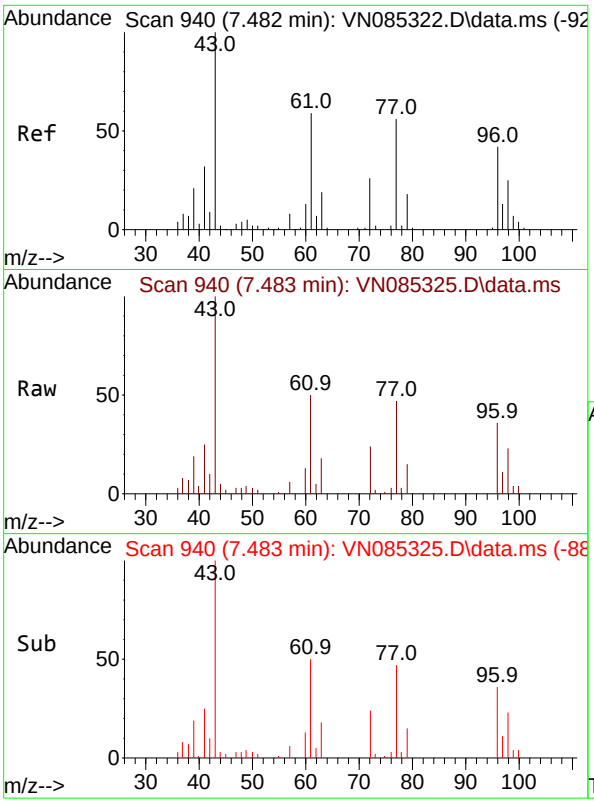


#26
2,2-Dichloropropane
Concen: 5.225 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 77 Resp: 15617

Ion	Ratio	Lower	Upper
77	100		
97	19.6	10.6	31.8



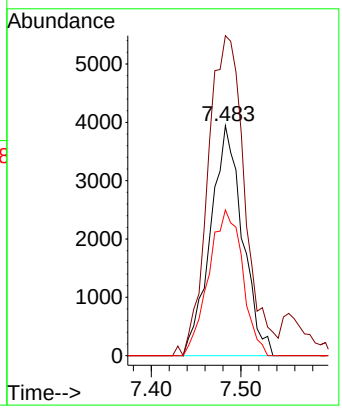


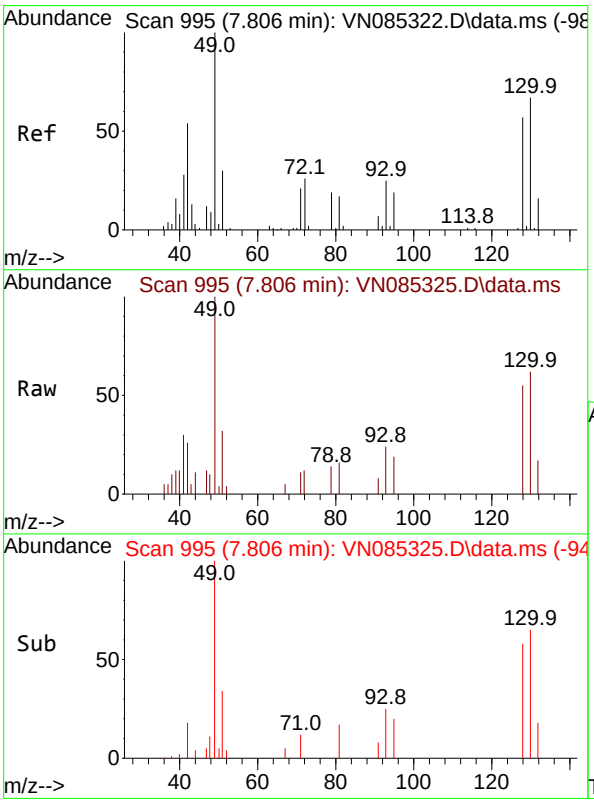
#27
cis-1,2-Dichloroethene
Concen: 4.856 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 9778

Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	296.4
98	66.9	0.0	124.2

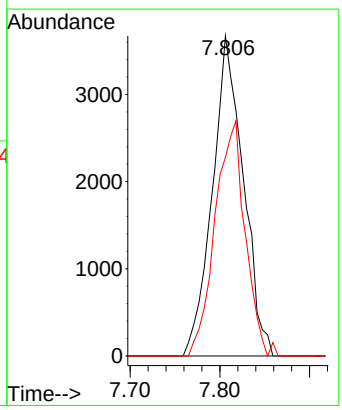


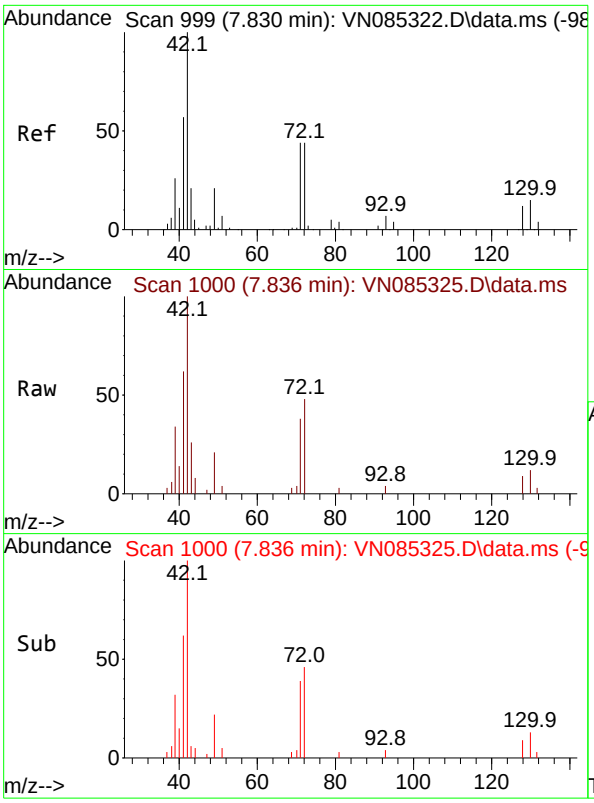


#28
Bromochloromethane
Concen: 5.537 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 49 Resp: 8779

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	71.4	0.0	0.0#



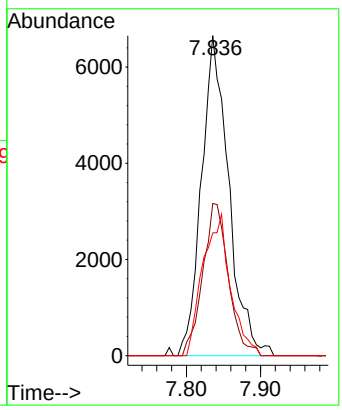


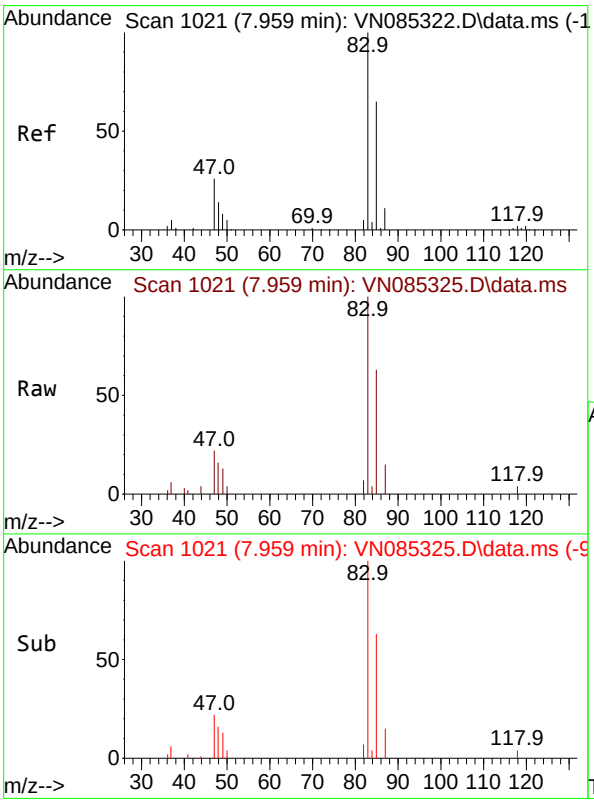
#29
Tetrahydrofuran
Concen: 24.557 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 17009

Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.1	52.7
71	44.8	33.4	50.0

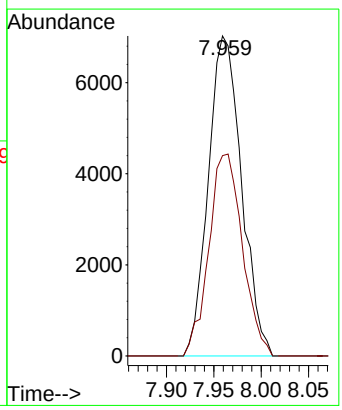


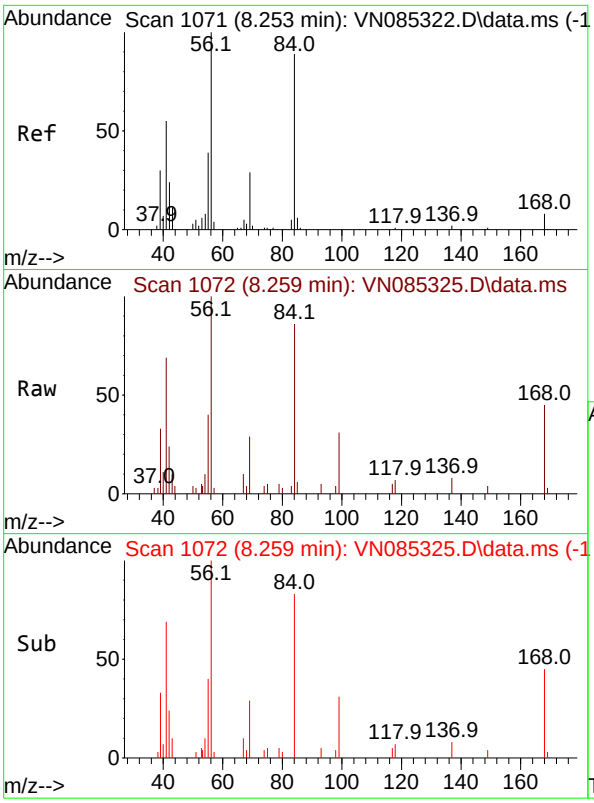


#30
Chloroform
Concen: 4.909 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 83 Resp: 17135

Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0



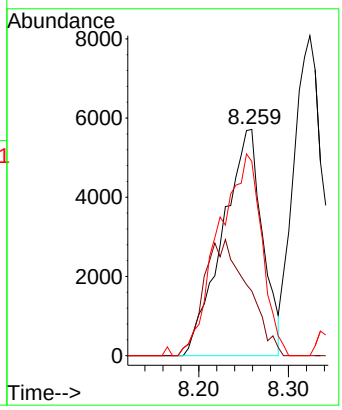


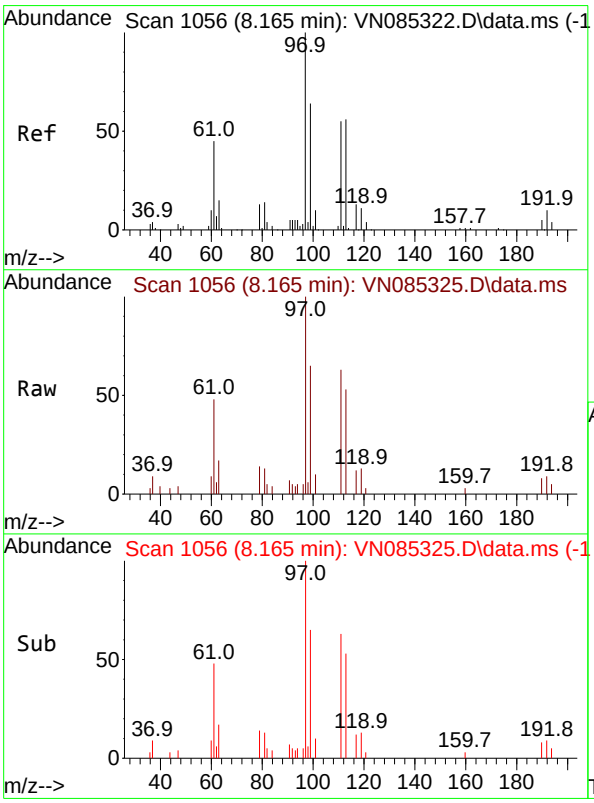
#31
Cyclohexane
Concen: 5.672 ug/l
RT: 8.259 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 17671

Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.4	35.0
84	85.8	71.0	106.6

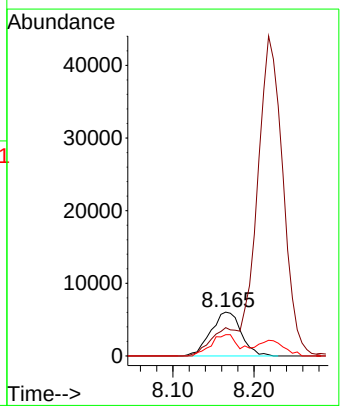


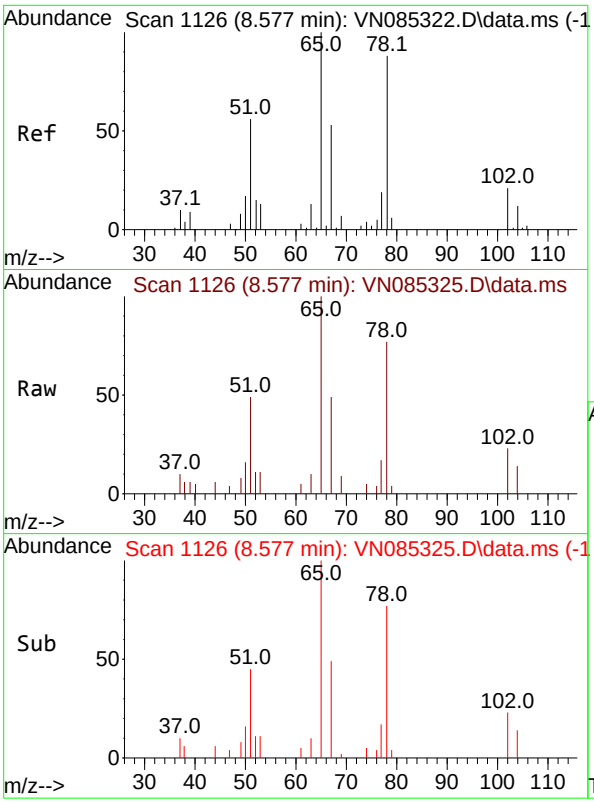


#32
1,1,1-Trichloroethane
Concen: 5.035 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 97 Resp: 15694

Ion	Ratio	Lower	Upper
97	100		
99	51.9	53.3	79.9#
61	45.1	39.6	59.4



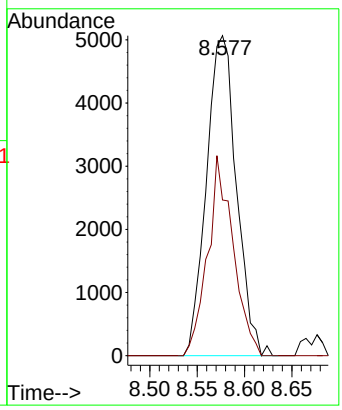


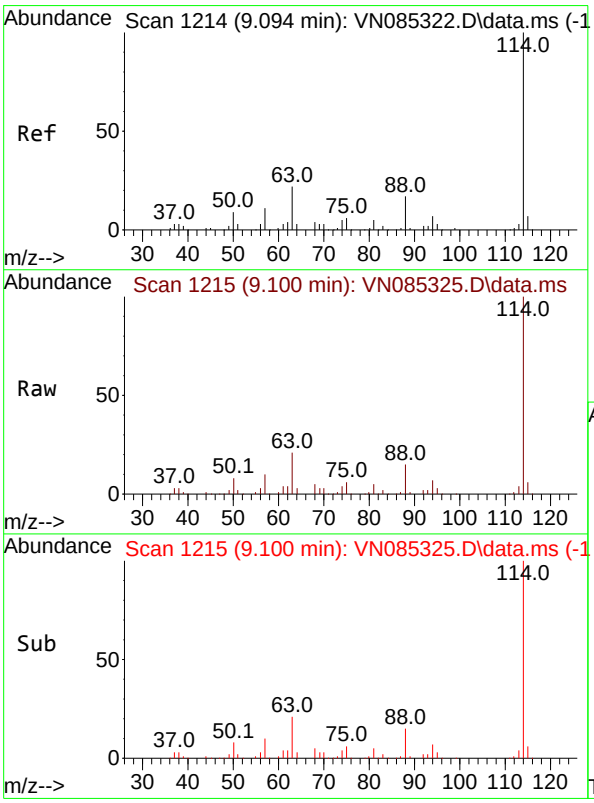
#33
1,2-Dichloroethane-d4
Concen: 5.307 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 11186

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.0

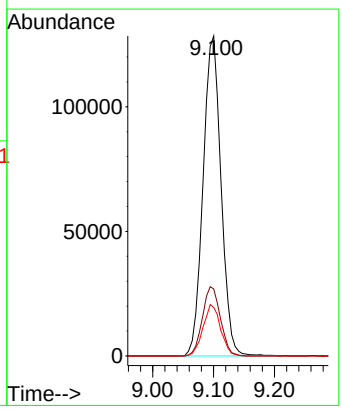


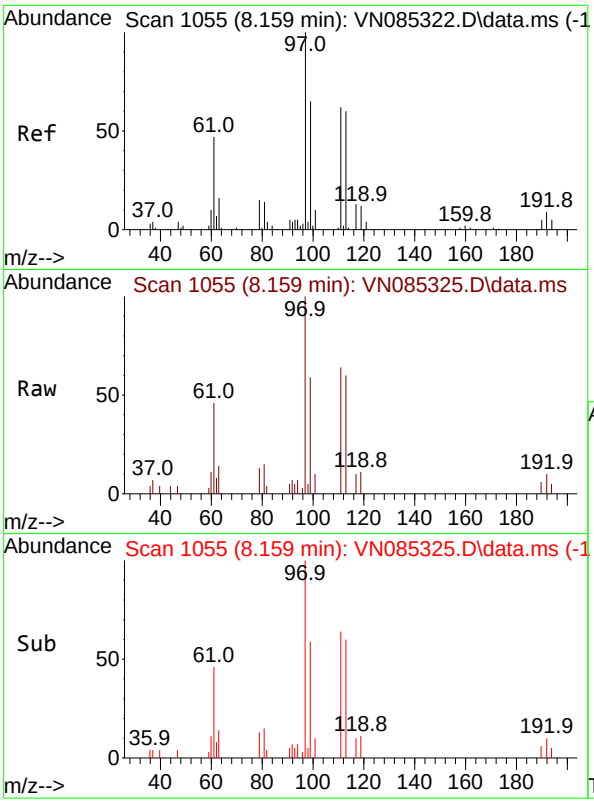


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:114 Resp: 263044

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.4
88	15.1	0.0	33.6



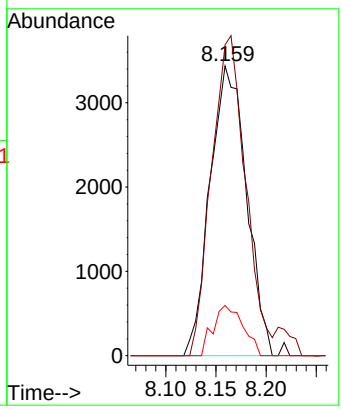


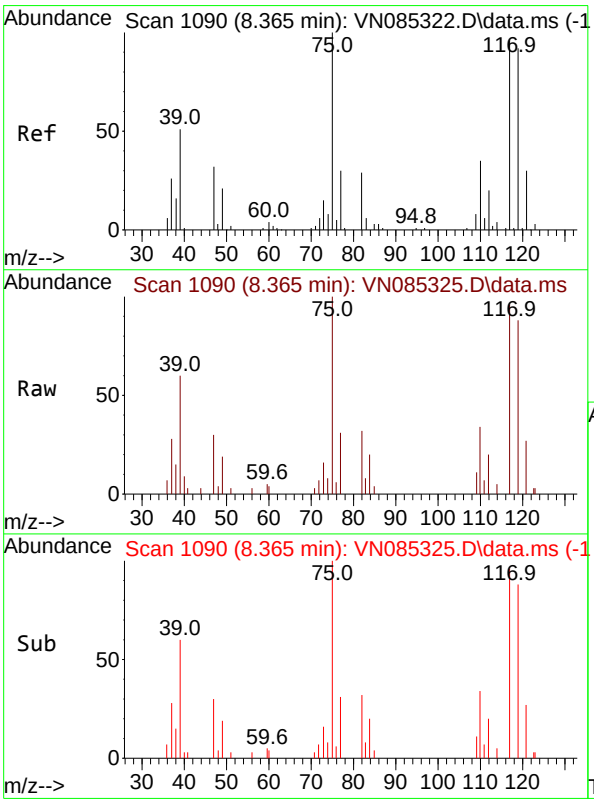
#35
Dibromofluoromethane
Concen: 5.291 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 8683

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.5	120.7
192	14.3	12.9	19.3

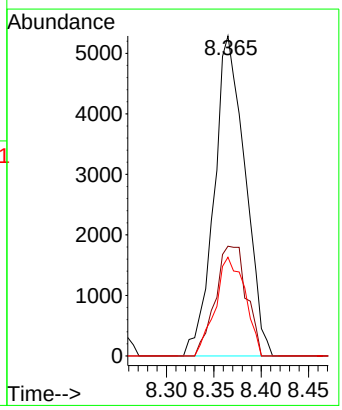


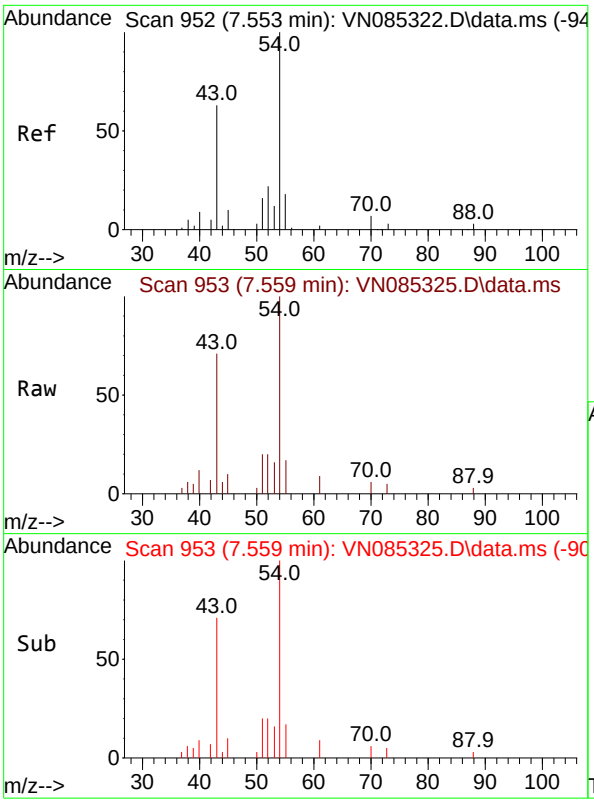


#36
1,1-Dichloropropene
Concen: 5.001 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 12017

Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.6	49.8
77	29.5	24.3	36.5



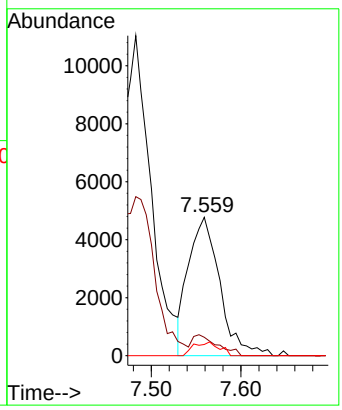


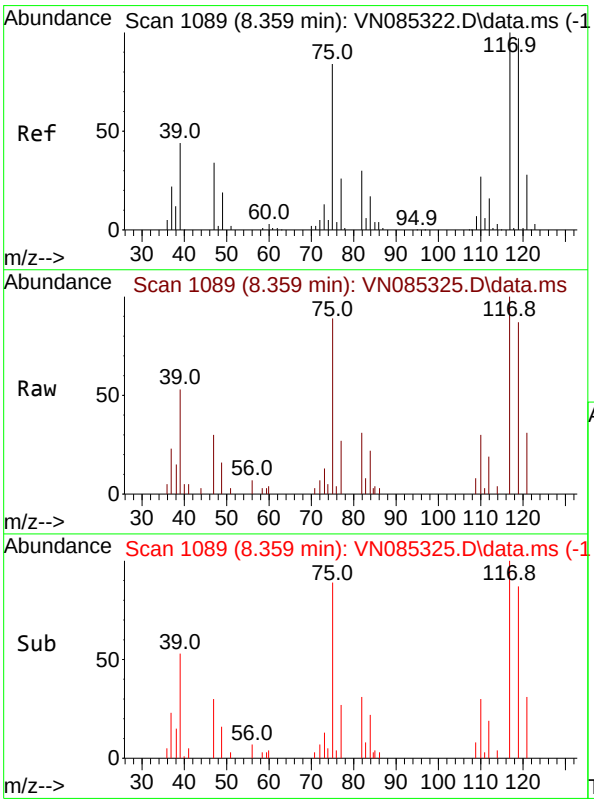
#37
Ethyl Acetate
Concen: 4.877 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 11648

Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.4	15.6
70	7.9	8.2	12.2#

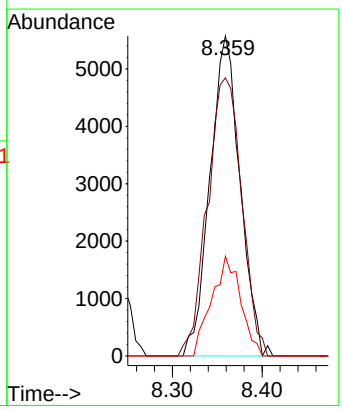


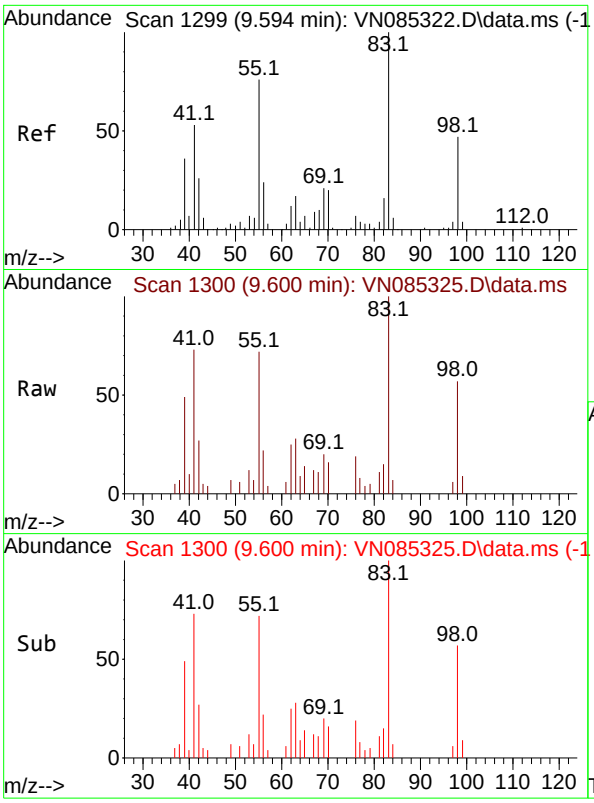


#38
Carbon Tetrachloride
Concen: 4.945 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:117 Resp: 12952

Ion	Ratio	Lower	Upper
117	100		
119	86.9	77.8	116.6
121	31.2	22.5	33.7



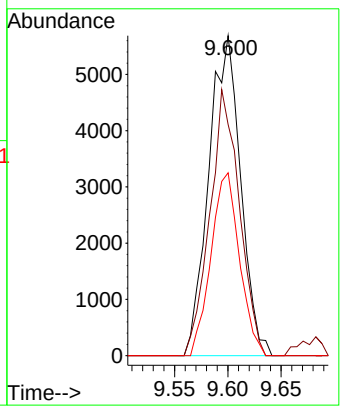


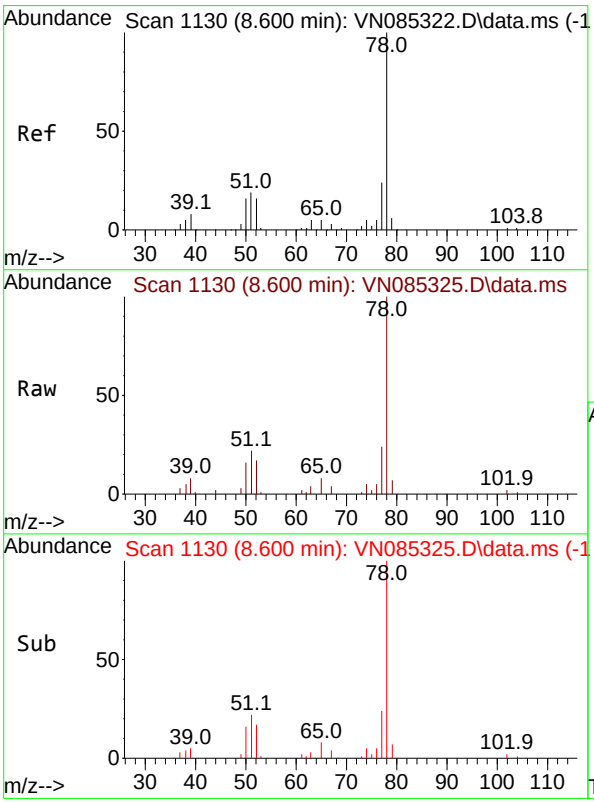
#39
Methylcyclohexane
Concen: 4.746 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11831

Ion	Ratio	Lower	Upper
83	100		
55	72.2	60.7	91.1
98	57.1	37.7	56.5#

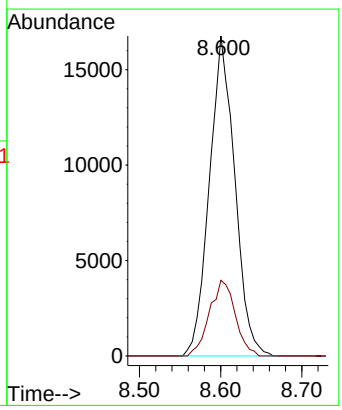


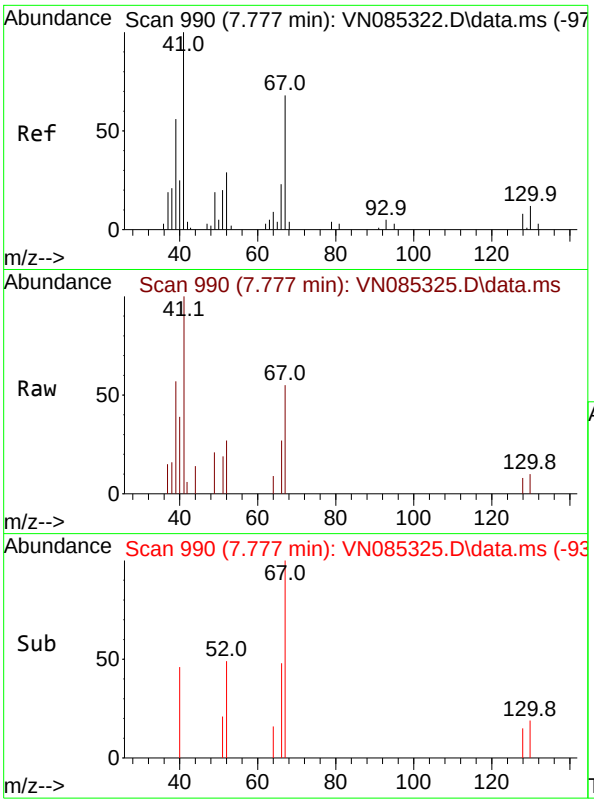


#40
Benzene
Concen: 5.021 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 78 Resp: 36472

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4



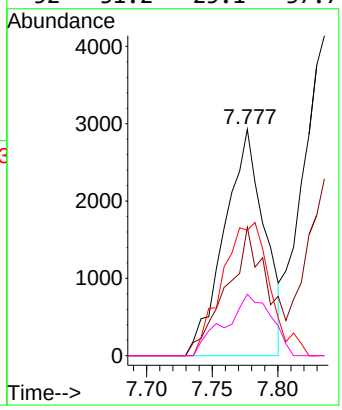


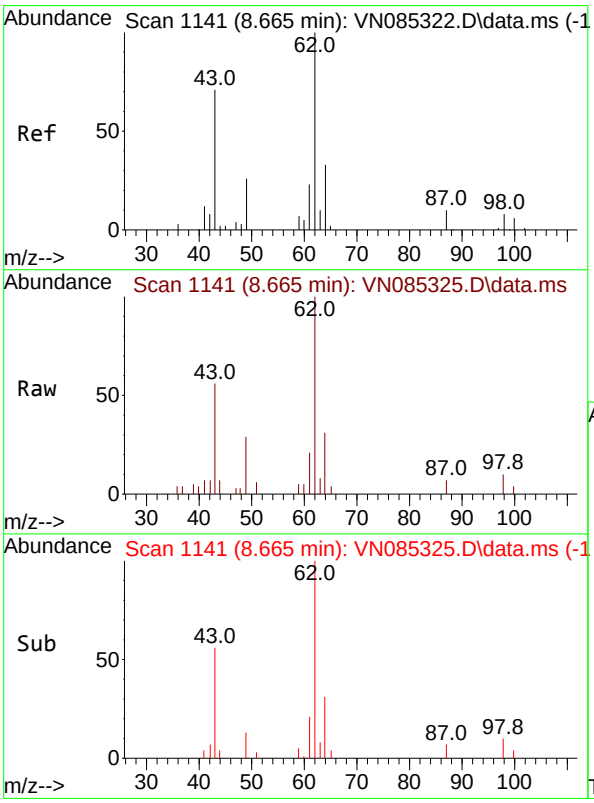
#41
Methacrylonitrile
Concen: 5.104 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 6242

Ion	Ratio	Lower	Upper
41	100		
39	58.3	45.8	68.8
67	69.7	57.1	85.7
52	31.2	25.1	37.7

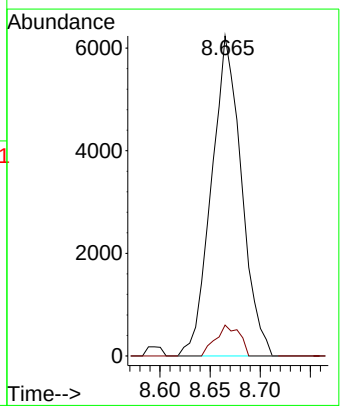


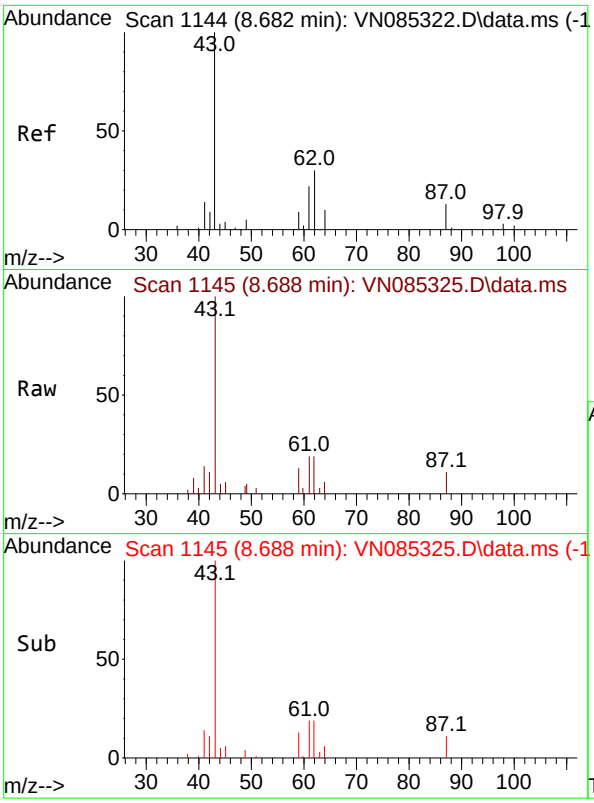


#42
1,2-Dichloroethane
Concen: 4.983 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 62 Resp: 12978

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	17.6



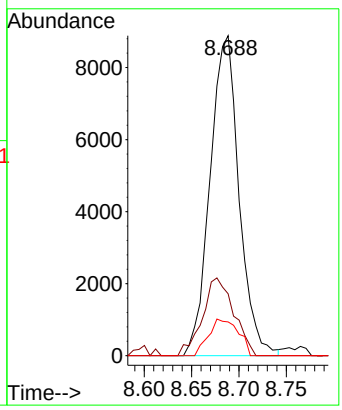


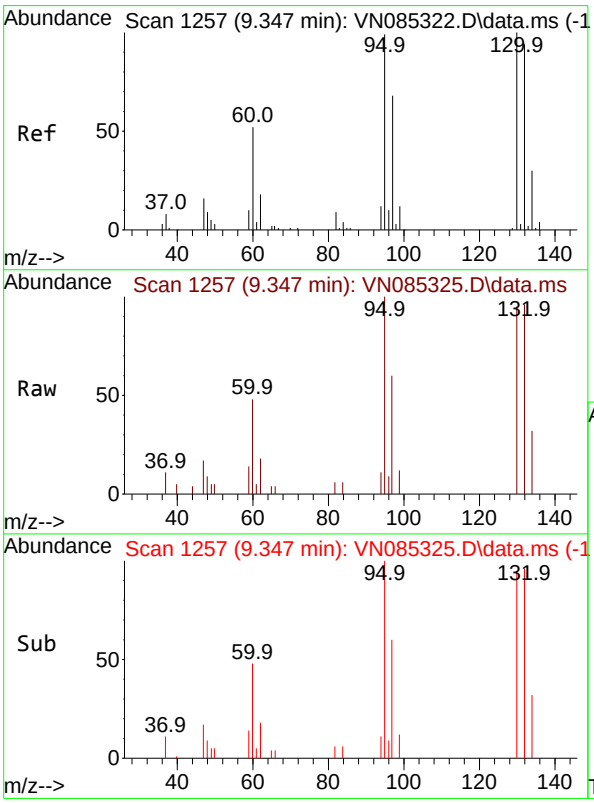
#43
Isopropyl Acetate
Concen: 4.814 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 18930

Ion	Ratio	Lower	Upper
43	100		
61	26.2	20.8	31.2
87	11.7	10.2	15.4

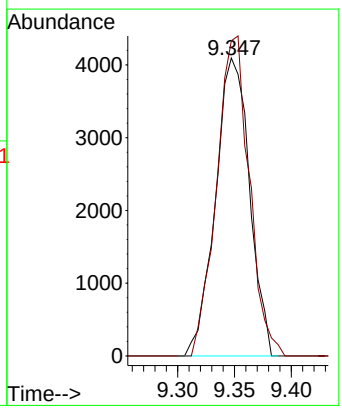


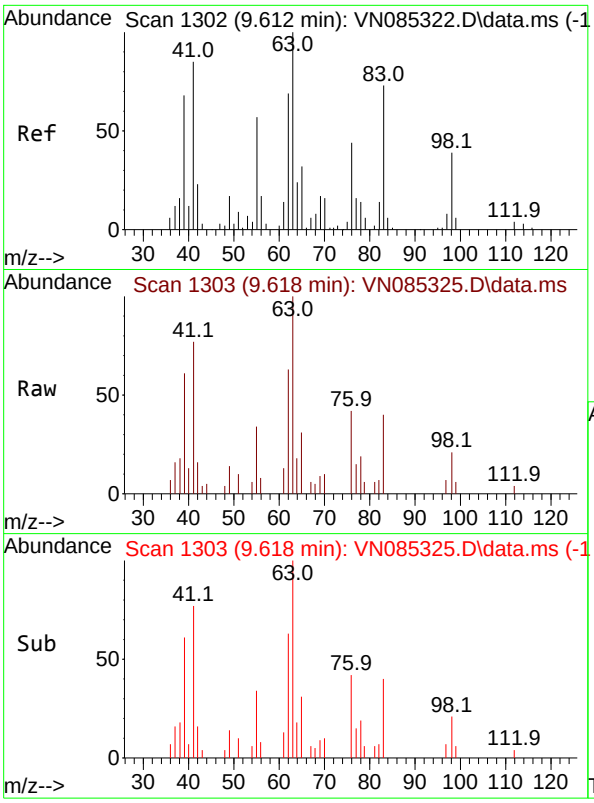


#44
Trichloroethene
Concen: 4.961 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:130 Resp: 8533

Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	197.8



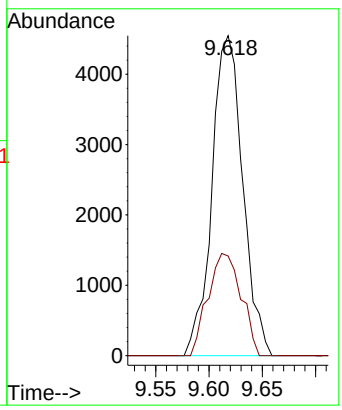


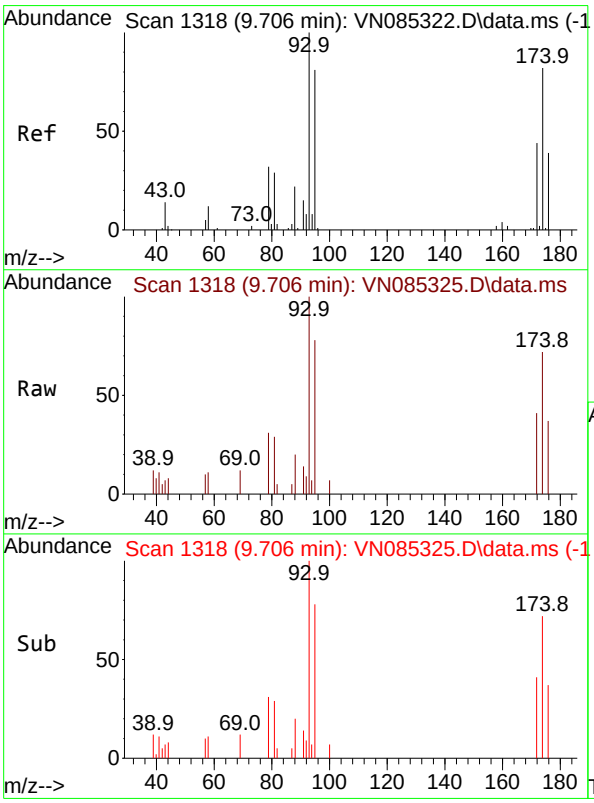
#45
1,2-Dichloropropane
Concen: 4.958 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 9143

Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.5	38.3

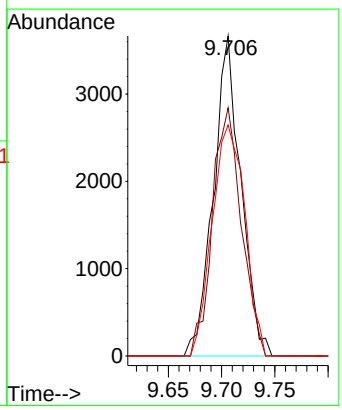


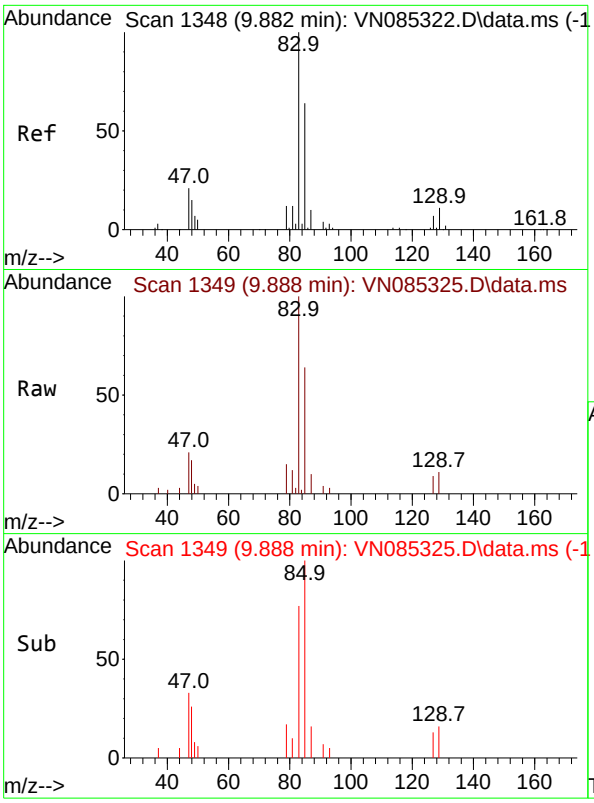


#46
Dibromomethane
Concen: 5.125 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 93 Resp: 6573

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.3	97.9
174	85.7	66.4	99.6



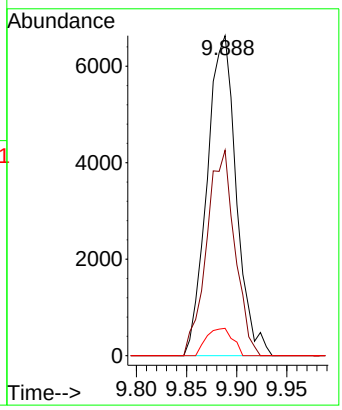


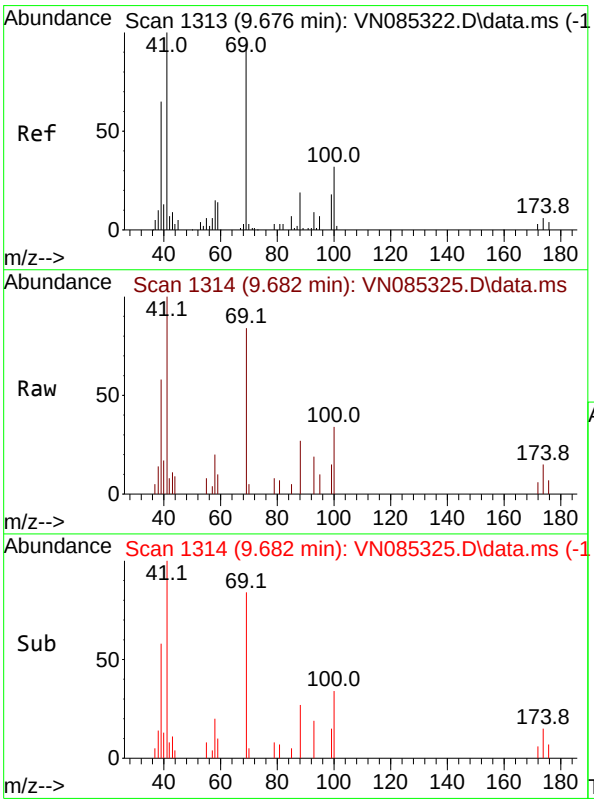
#47
Bromodichloromethane
Concen: 5.046 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13450

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4
127	8.6	5.8	8.6

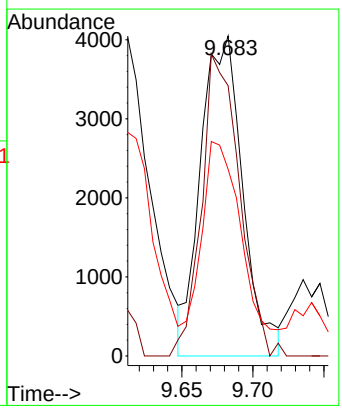


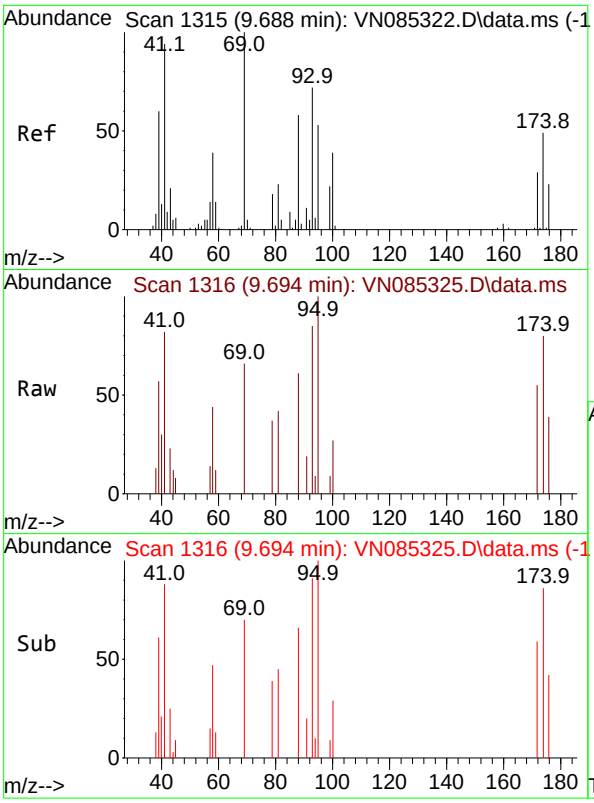


#48
Methyl methacrylate
Concen: 4.871 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 41 Resp: 8311

Ion	Ratio	Lower	Upper
41	100		
69	85.3	67.7	101.5
39	66.9	51.2	76.8



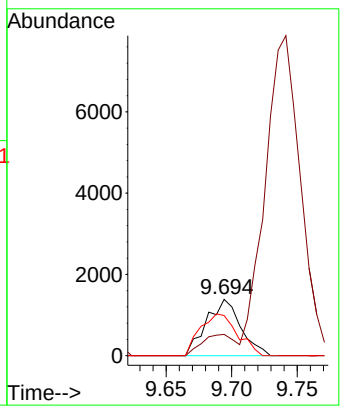


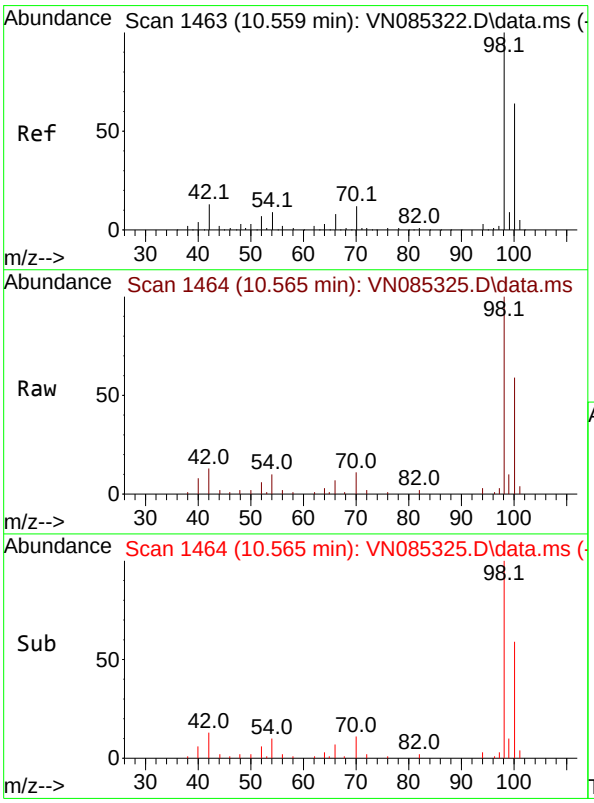
#49
1,4-Dioxane
Concen: 97.886 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2520

Ion	Ratio	Lower	Upper
88	100		
43	36.7	22.1	33.1#
58	80.2	56.7	85.1

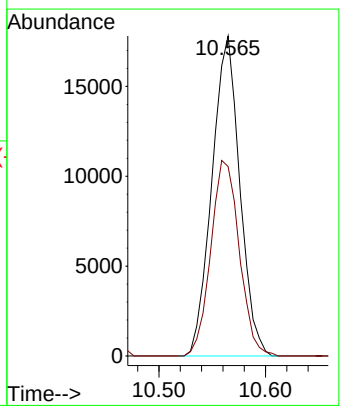


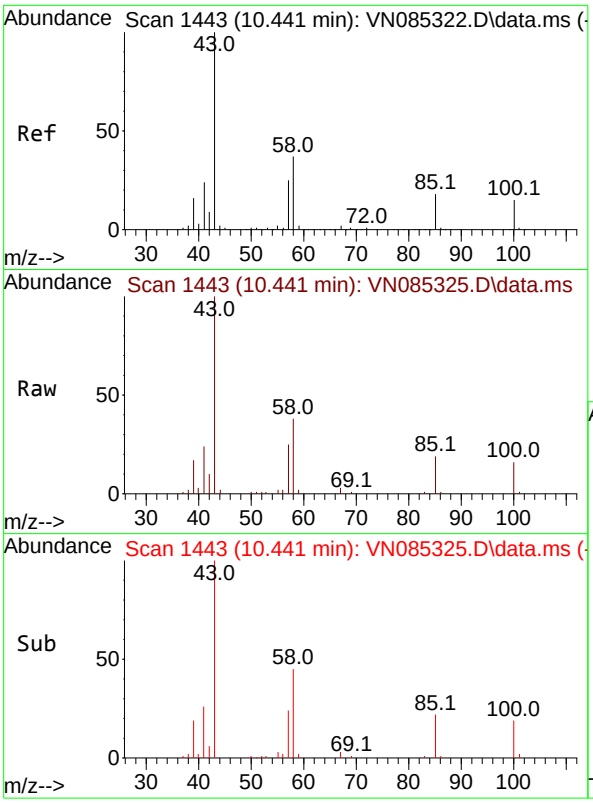


#50
Toluene-d8
Concen: 5.367 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 98 Resp: 32316

Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.5	77.3



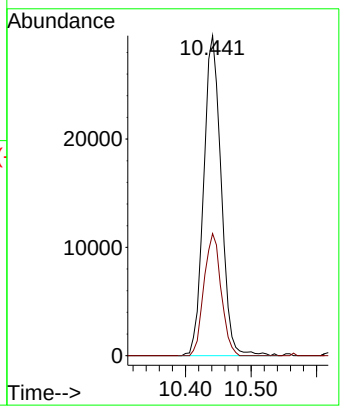


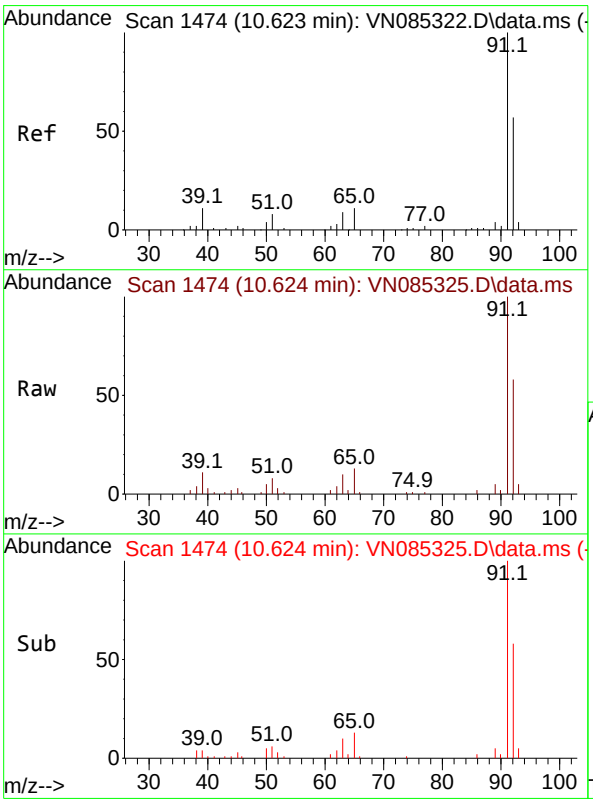
#51
4-Methyl-2-Pentanone
Concen: 24.812 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 54831

Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.3	45.5

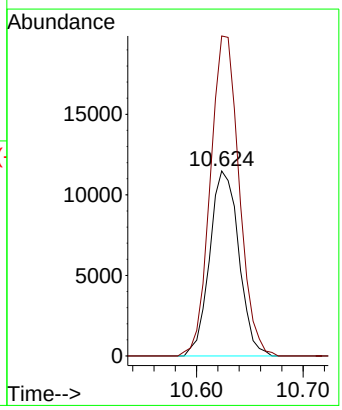


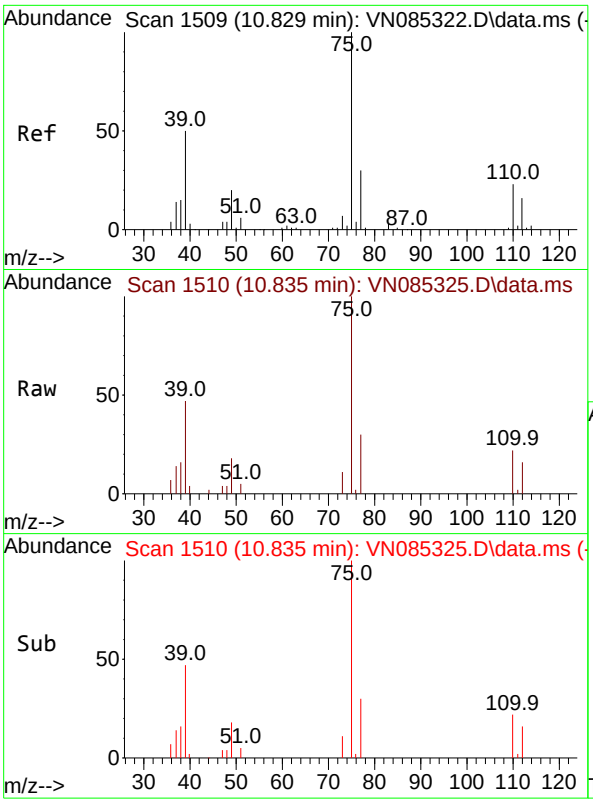


#52
Toluene
Concen: 5.040 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 92 Resp: 21799

Ion	Ratio	Lower	Upper
92	100		
91	171.1	140.2	210.4



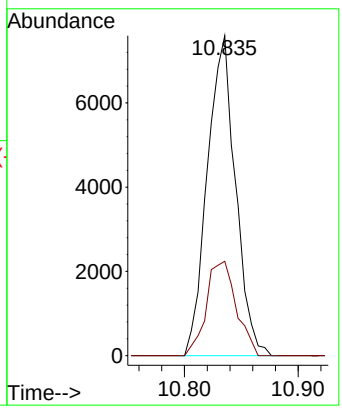


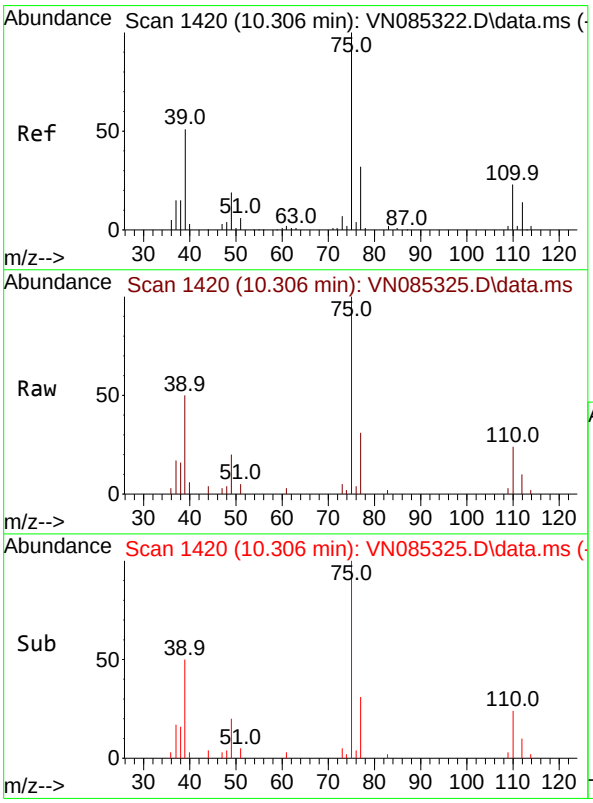
#53
t-1,3-Dichloropropene
Concen: 4.993 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 13088

Ion	Ratio	Lower	Upper
75	100		
77	29.5	23.8	35.6

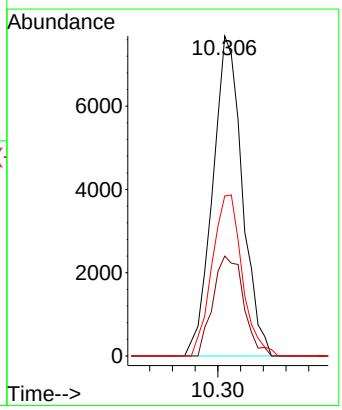


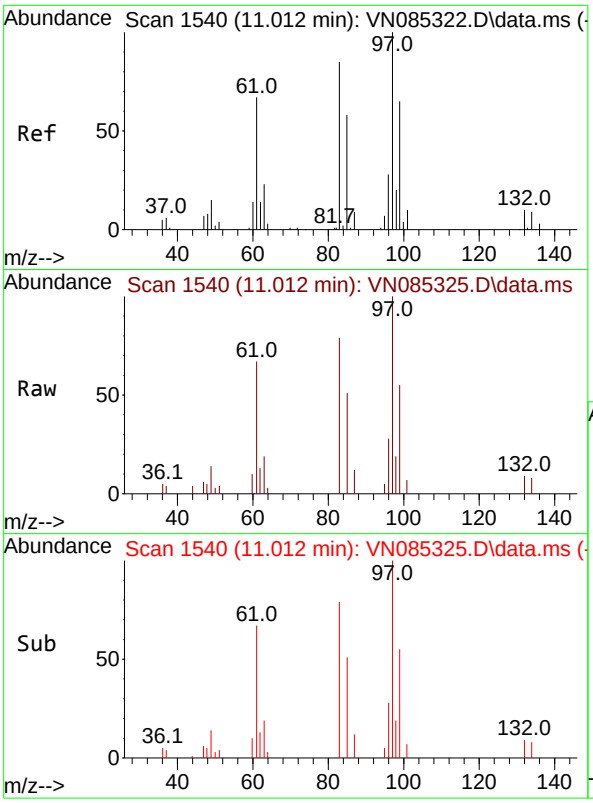


#54
cis-1,3-Dichloropropene
Concen: 4.904 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 13900

Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	50.0	40.5	60.7



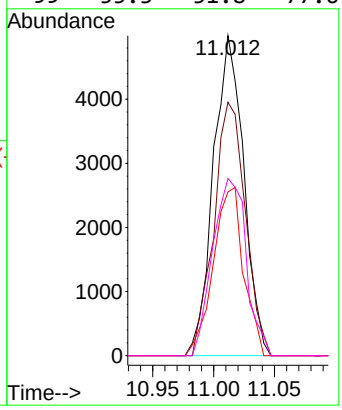


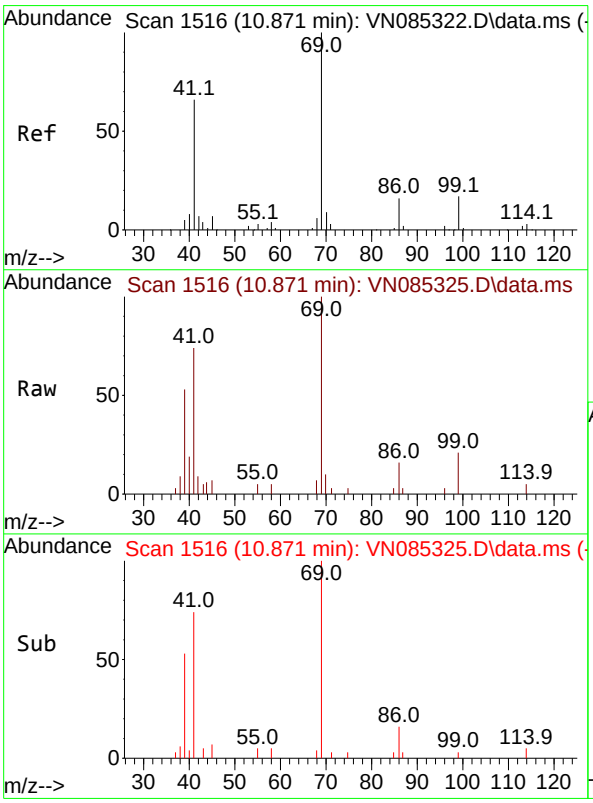
#55
1,1,2-Trichloroethane
Concen: 5.287 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 8634

Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.7	101.5
85	51.2	46.2	69.4
99	55.3	51.8	77.6

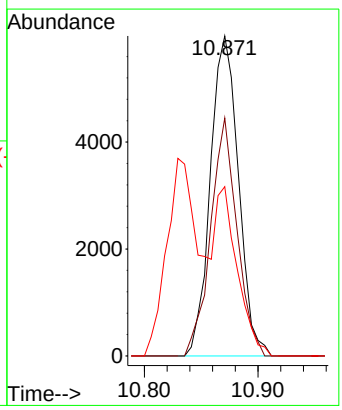


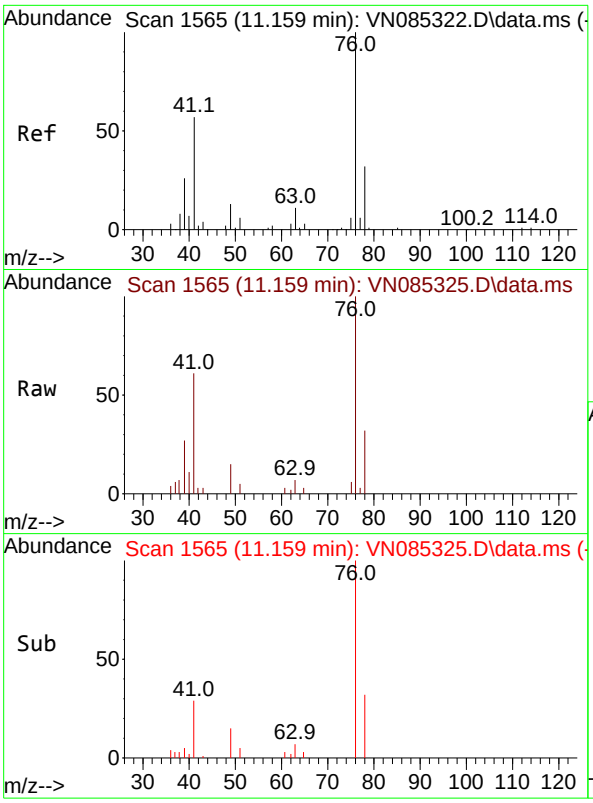


#56
Ethyl methacrylate
Concen: 4.327 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 69 Resp: 10291

Ion	Ratio	Lower	Upper
69	100		
41	70.0	54.3	81.5
39	40.4	32.0	48.0



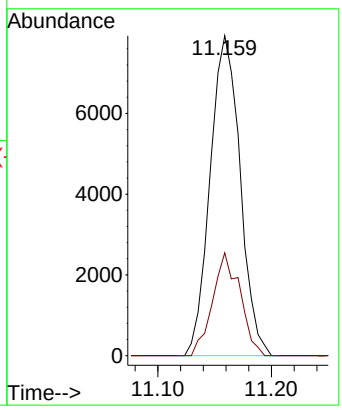


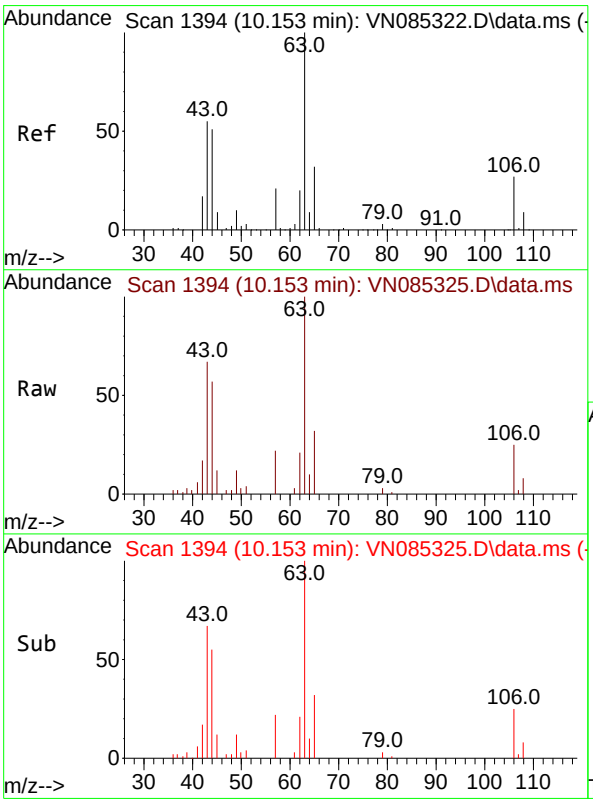
#57
1,3-Dichloropropane
Concen: 5.076 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 14548

Ion	Ratio	Lower	Upper
76	100		
78	29.4	25.5	38.3

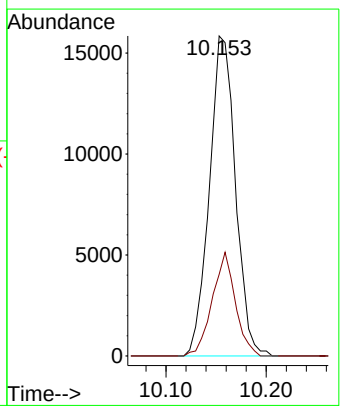


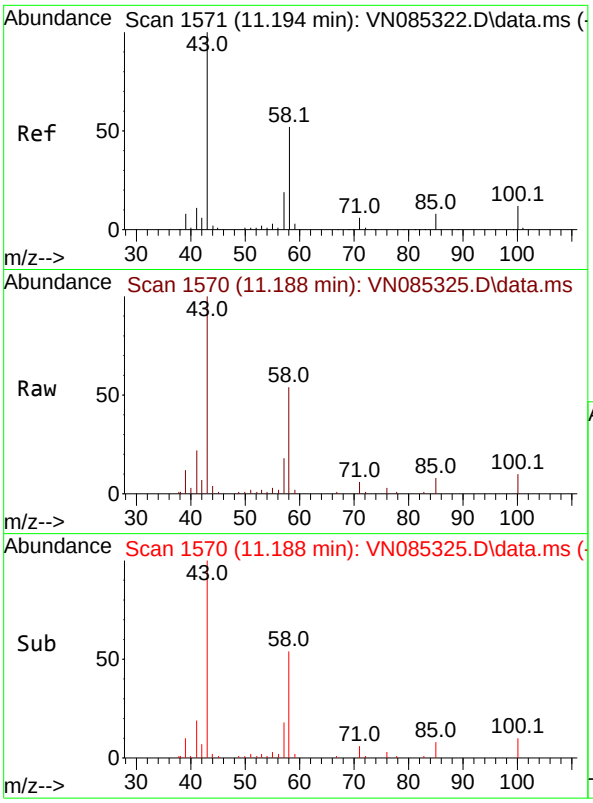


#58
2-Chloroethyl Vinyl ether
Concen: 24.895 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 63 Resp: 28647

Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.1	33.1



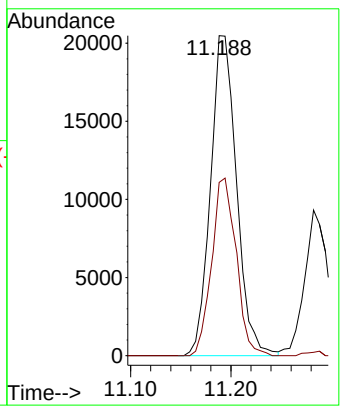


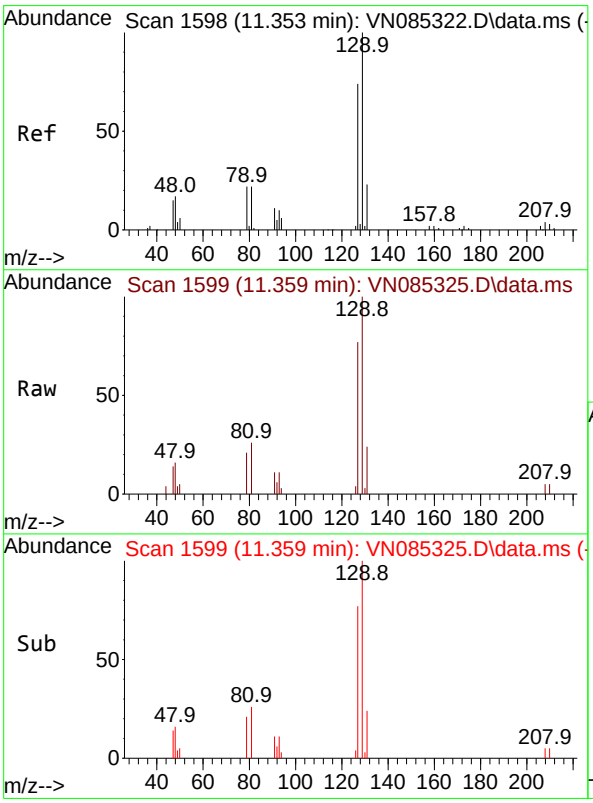
#59
2-Hexanone
Concen: 24.105 ug/l
RT: 11.188 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 36958

Ion	Ratio	Lower	Upper
43	100		
58	52.1	26.5	79.5

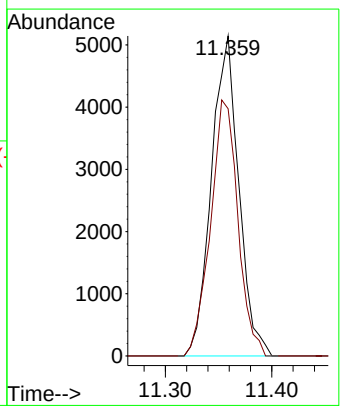


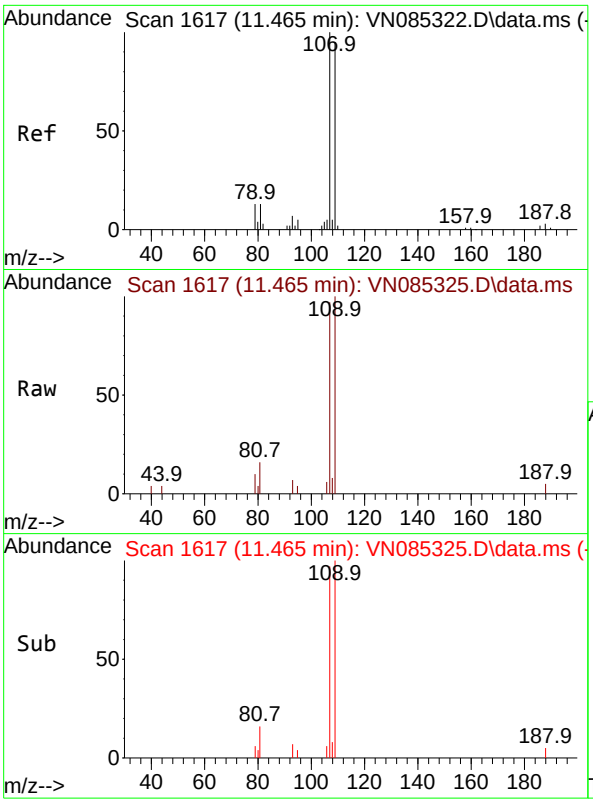


#60
Dibromochloromethane
Concen: 4.991 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:129 Resp: 9180

Ion	Ratio	Lower	Upper
129	100		
127	79.9	38.3	114.9



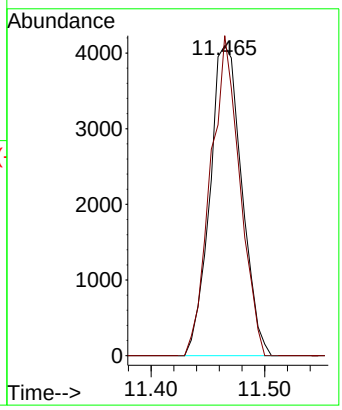


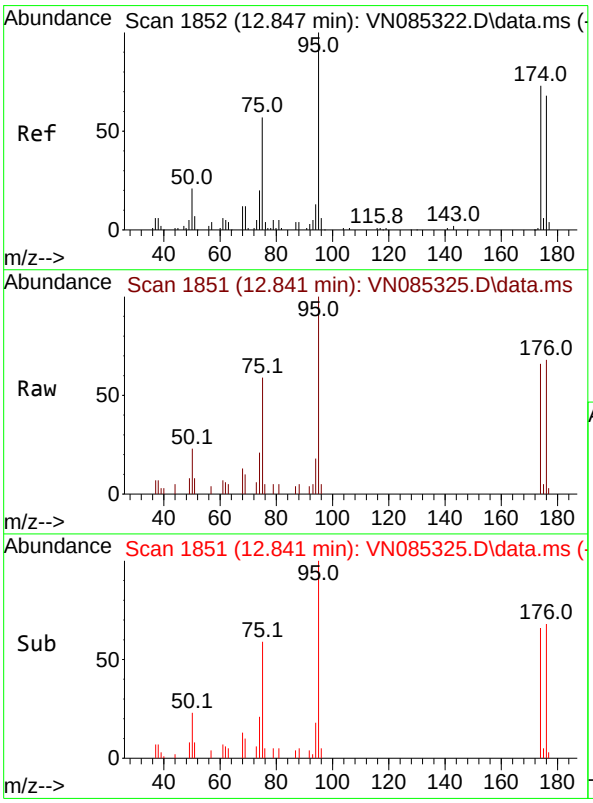
#61
1,2-Dibromoethane
Concen: 4.960 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 8013

Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.9	112.3

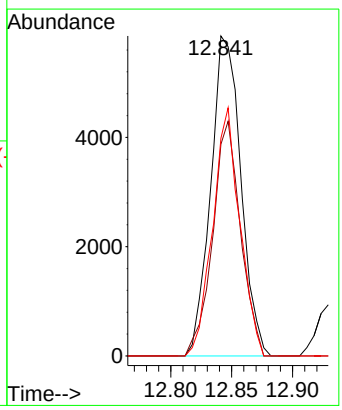


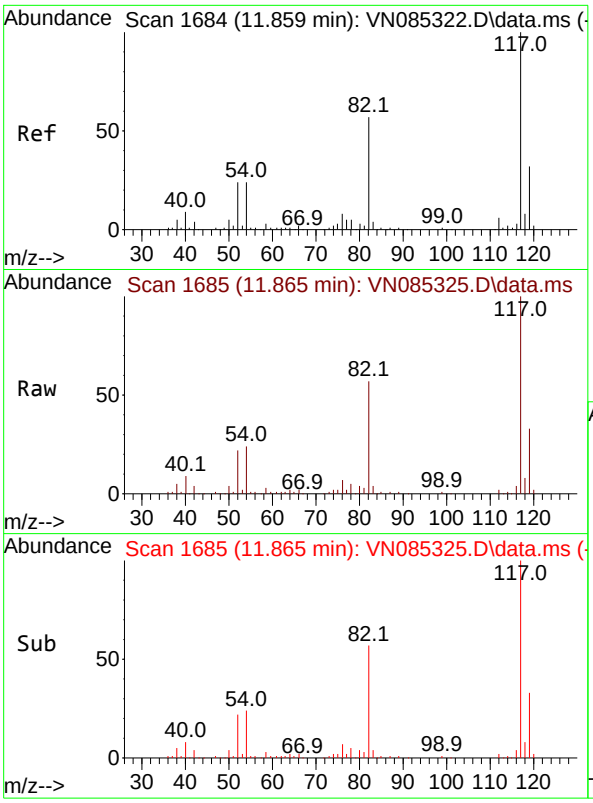


#62
4-Bromofluorobenzene
Concen: 5.033 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 95 Resp: 10066

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	143.2
176	69.7	0.0	135.8



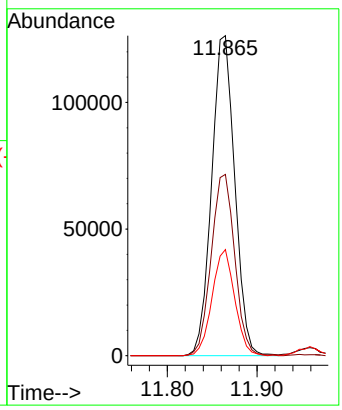


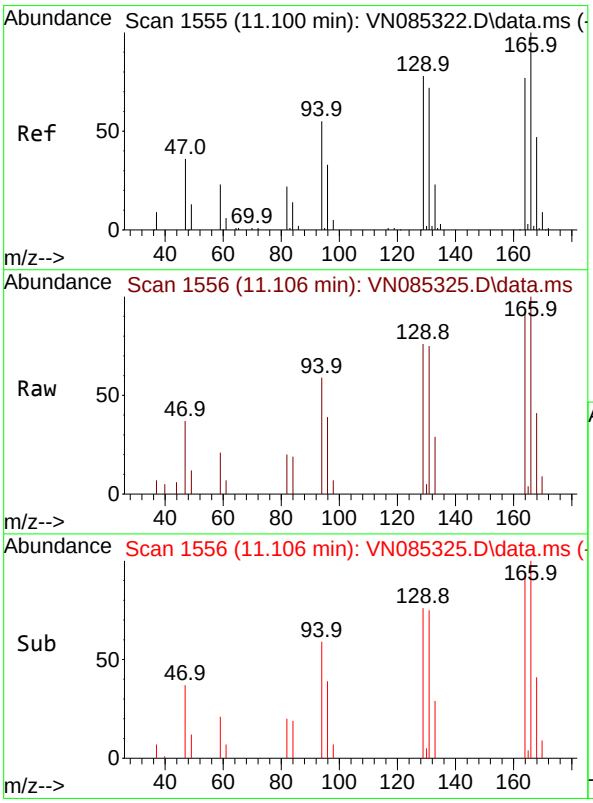
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 226122

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.7	68.5
119	33.1	25.8	38.8

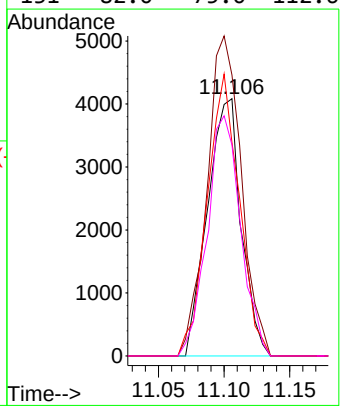


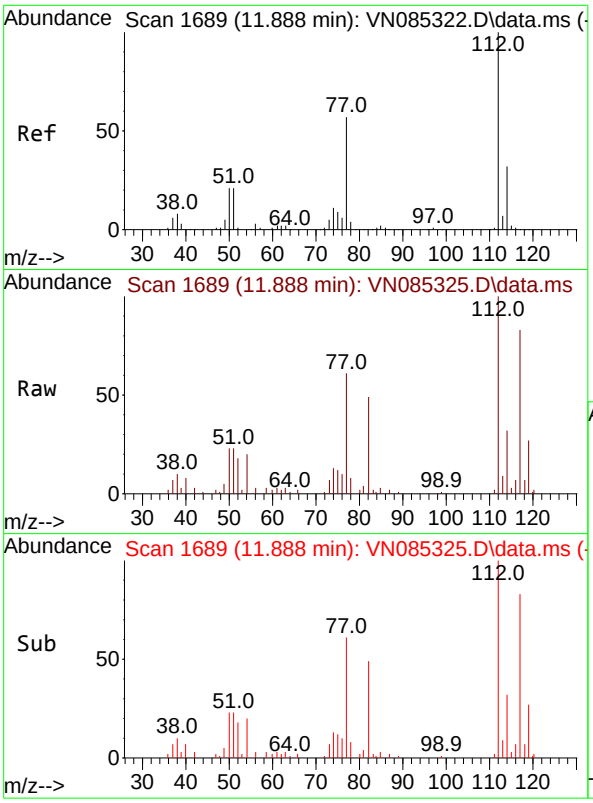


#64
Tetrachloroethene
Concen: 5.095 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:164 Resp: 7300

Ion	Ratio	Lower	Upper
164	100		
166	109.2	104.0	156.0
129	83.0	81.3	121.9
131	82.0	75.0	112.6



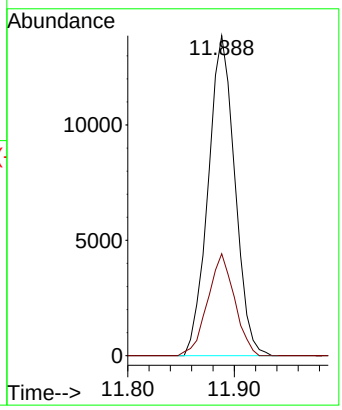


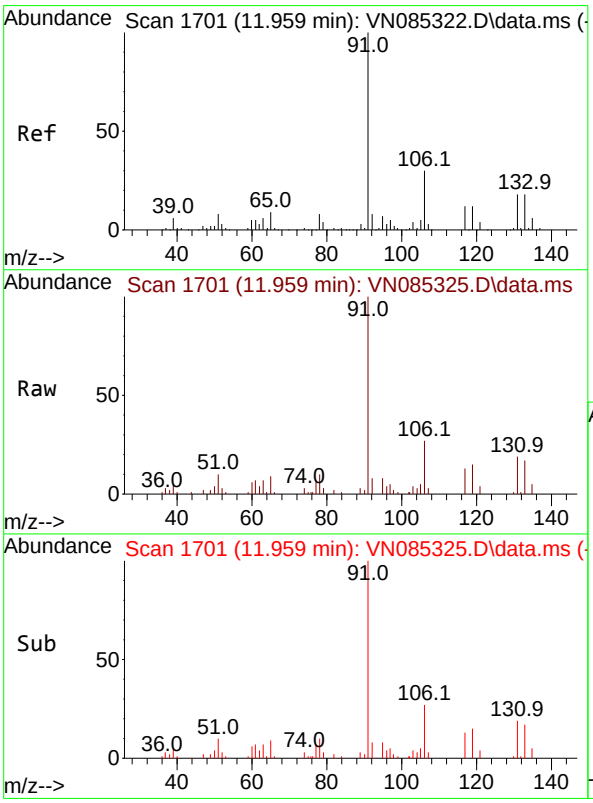
#65
Chlorobenzene
Concen: 4.940 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 24138

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.2	37.8

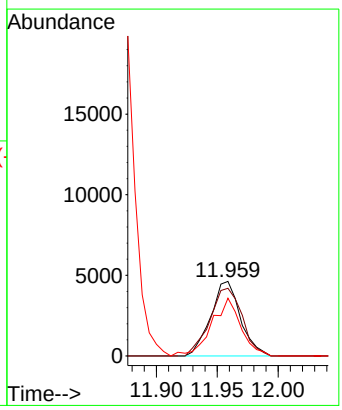


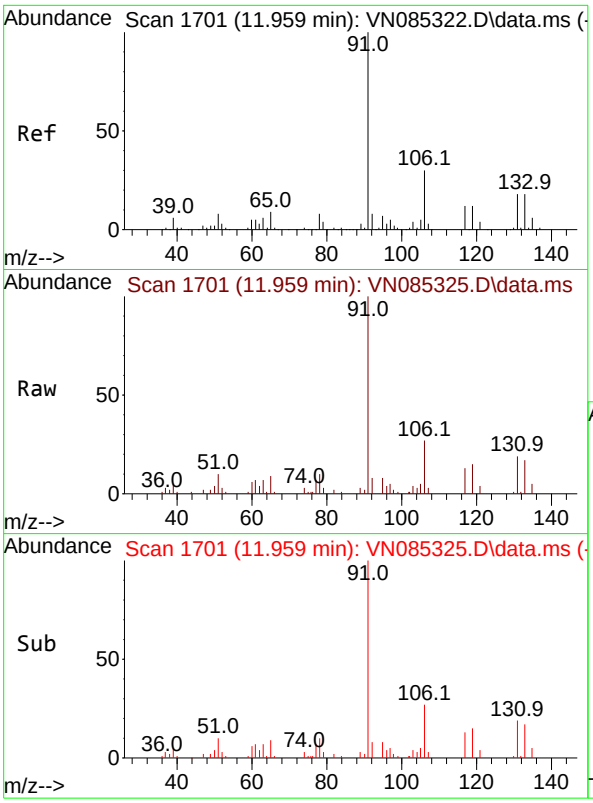


#66
1,1,1,2-Tetrachloroethane
Concen: 4.805 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:131 Resp: 7880

Ion	Ratio	Lower	Upper
131	100		
133	98.7	48.3	144.9
119	75.8	33.4	100.1



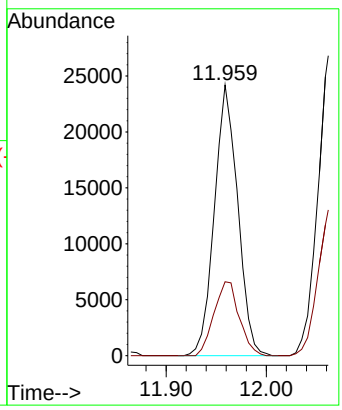


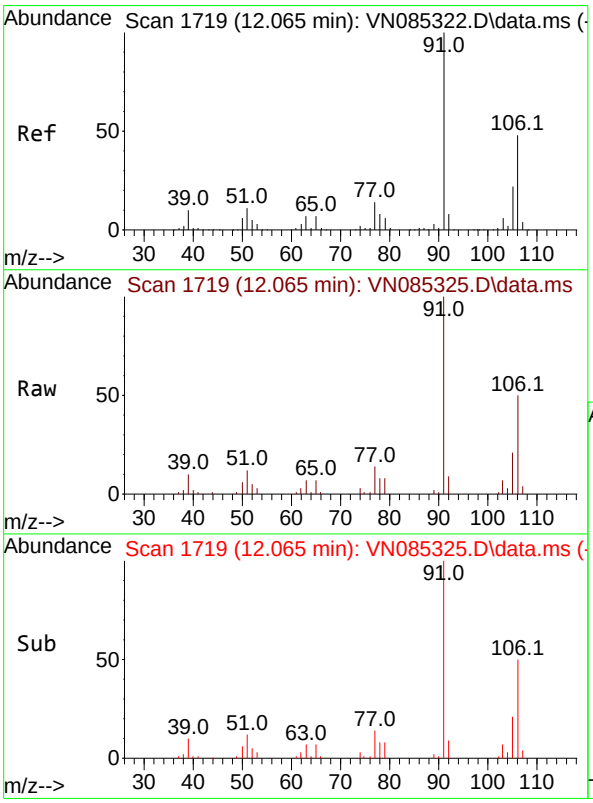
#67
Ethyl Benzene
Concen: 4.812 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 39102

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.0	36.0

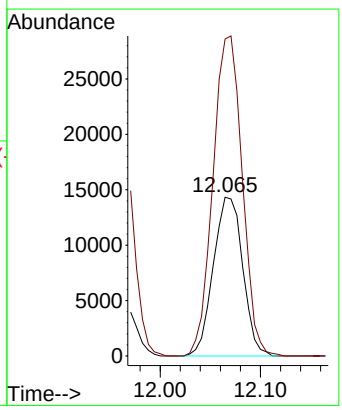


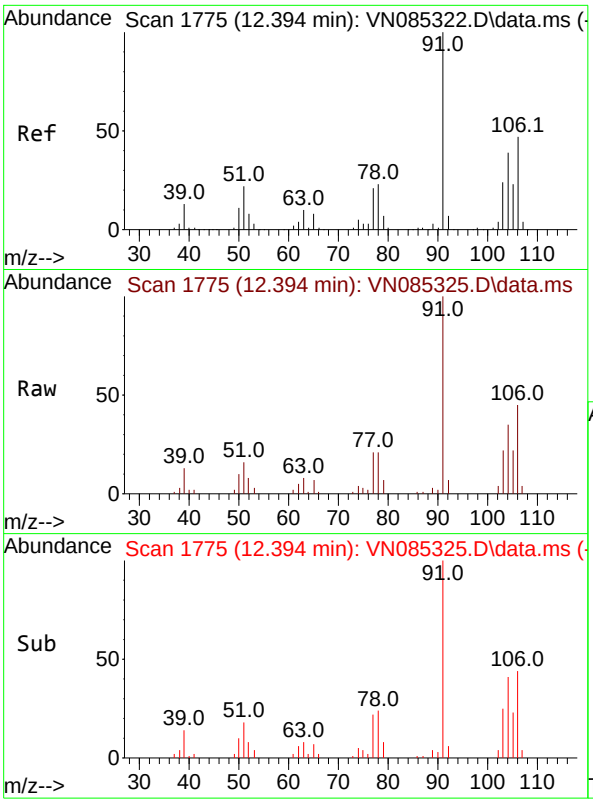


#68
m/p-Xylenes
Concen: 9.786 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:106 Resp: 29104

Ion	Ratio	Lower	Upper
106	100		
91	201.1	165.2	247.8



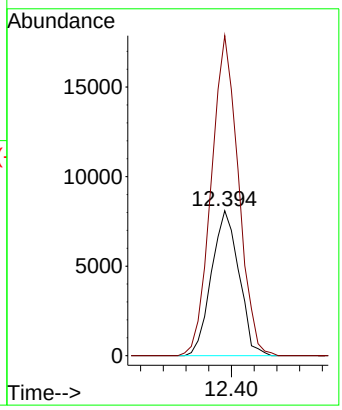


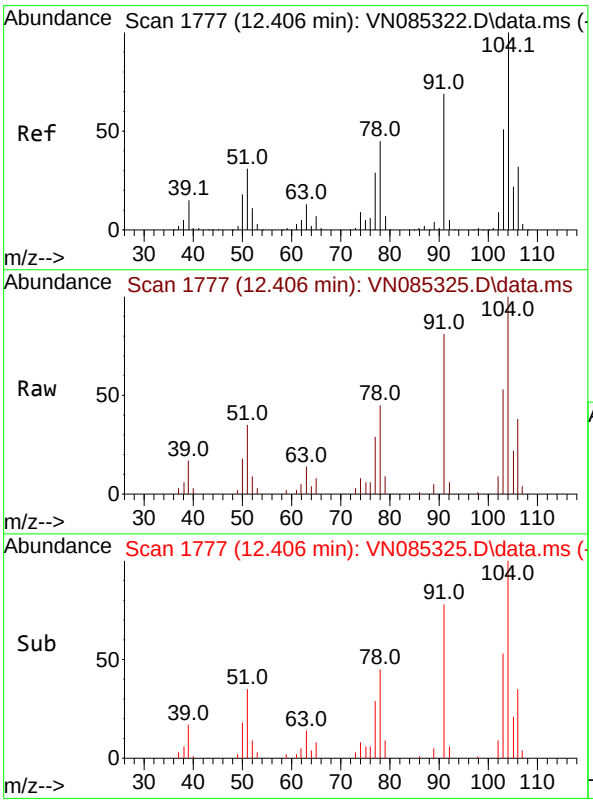
#69
o-Xylene
Concen: 4.734 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 13620

Ion	Ratio	Lower	Upper
106	100		
91	218.0	107.3	321.8

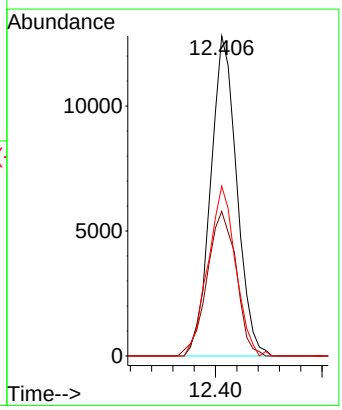


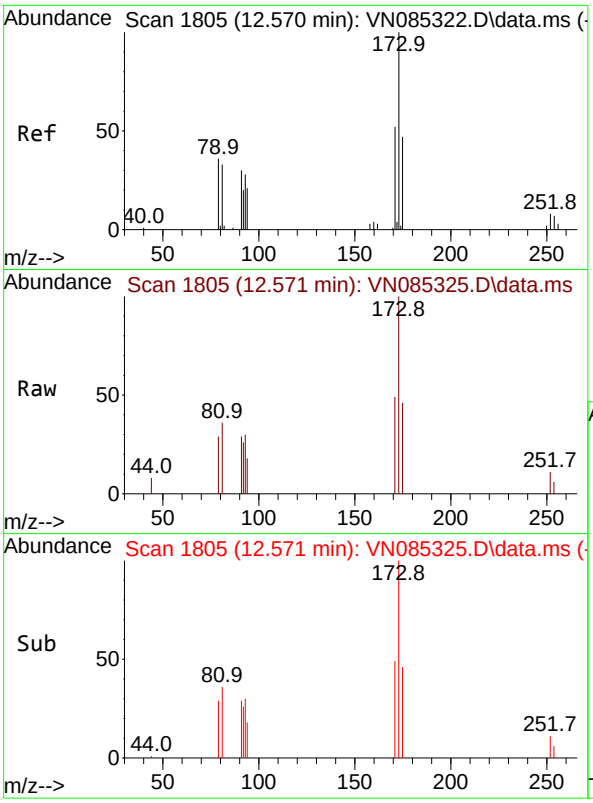


#70
Styrene
Concen: 4.676 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:104 Resp: 21804

Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.7	61.1
103	55.8	44.1	66.1



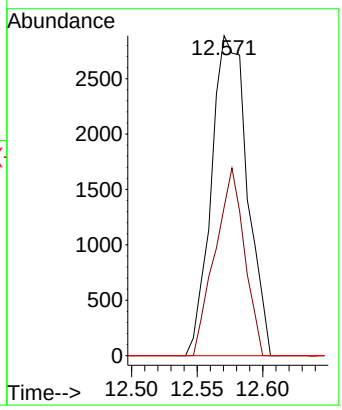


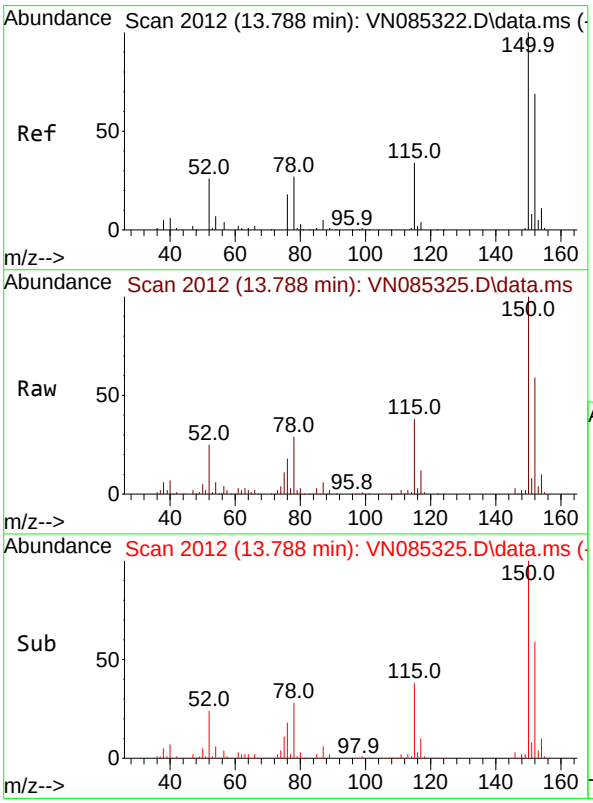
#71
Bromoform
Concen: 4.837 ug/l
RT: 12.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 5494

Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.0	0.0

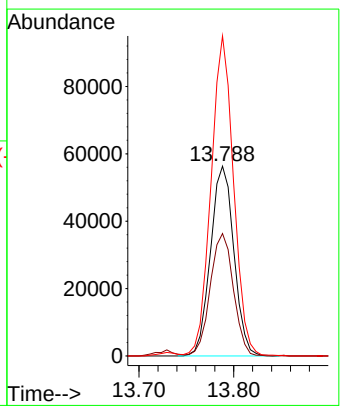


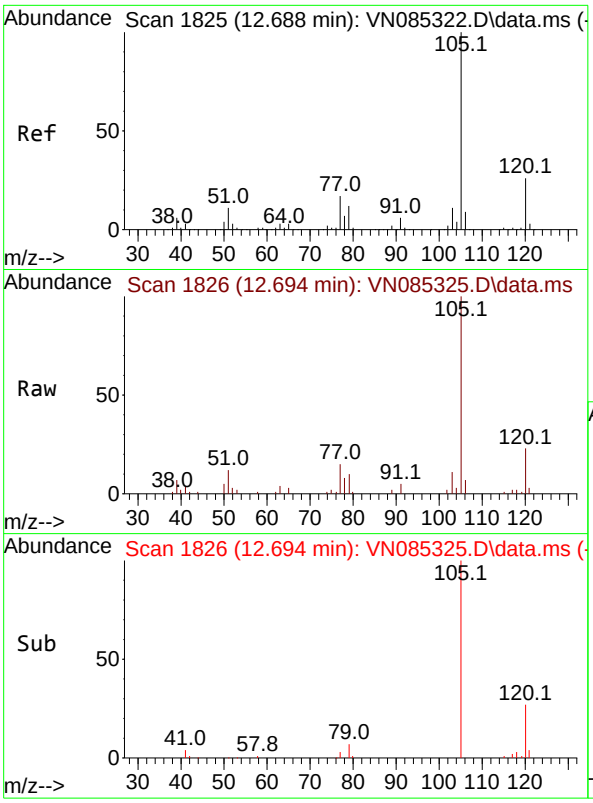


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:152 Resp: 96471

Ion	Ratio	Lower	Upper
152	100		
115	64.0	30.4	91.3
150	162.6	0.0	345.0



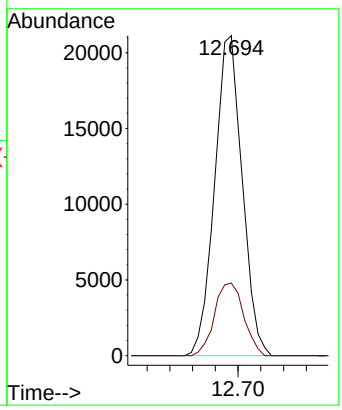


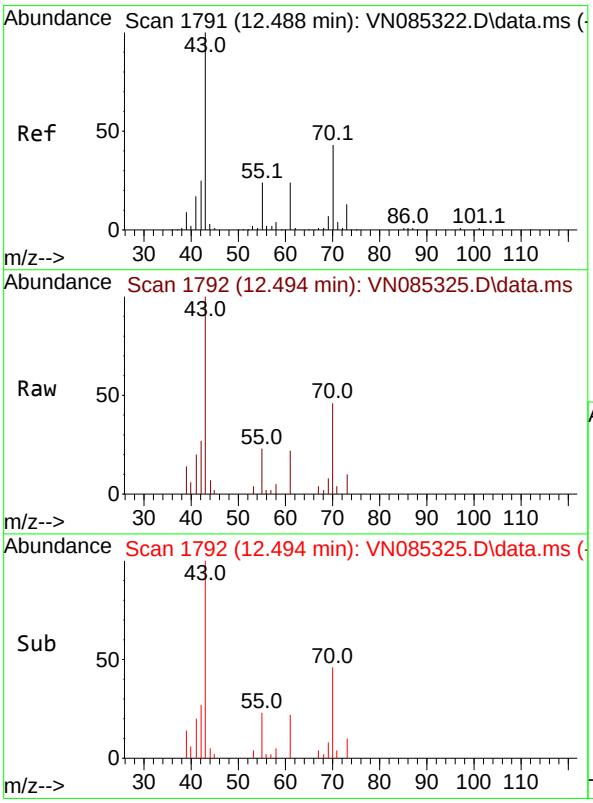
#73
Isopropylbenzene
Concen: 5.124 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 35544

Ion	Ratio	Lower	Upper
105	100		
120	24.1	12.9	38.6

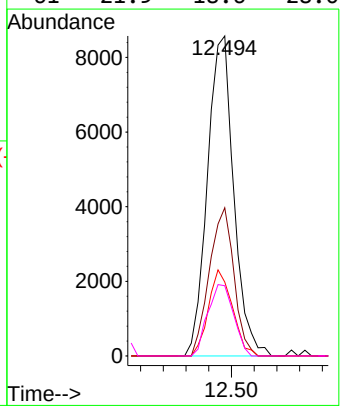


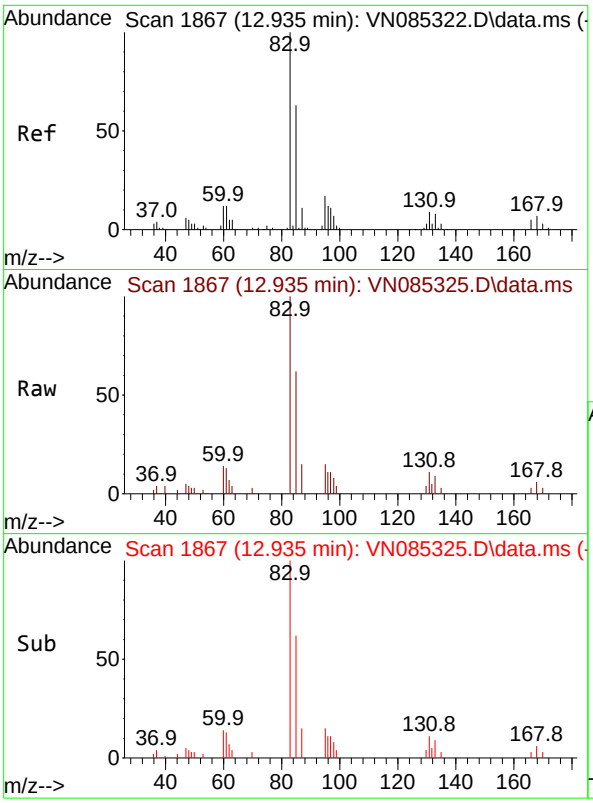


#74
N-amyl acetate
Concen: 4.651 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 43 Resp: 13811

Ion	Ratio	Lower	Upper
43	100		
70	43.2	33.4	50.0
55	24.5	19.2	28.8
61	21.9	18.6	28.0



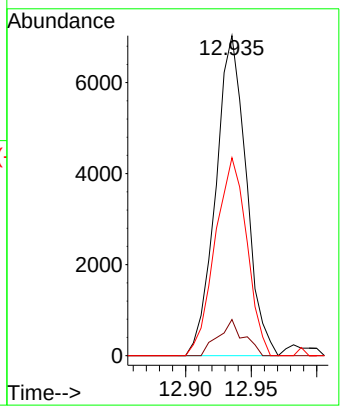


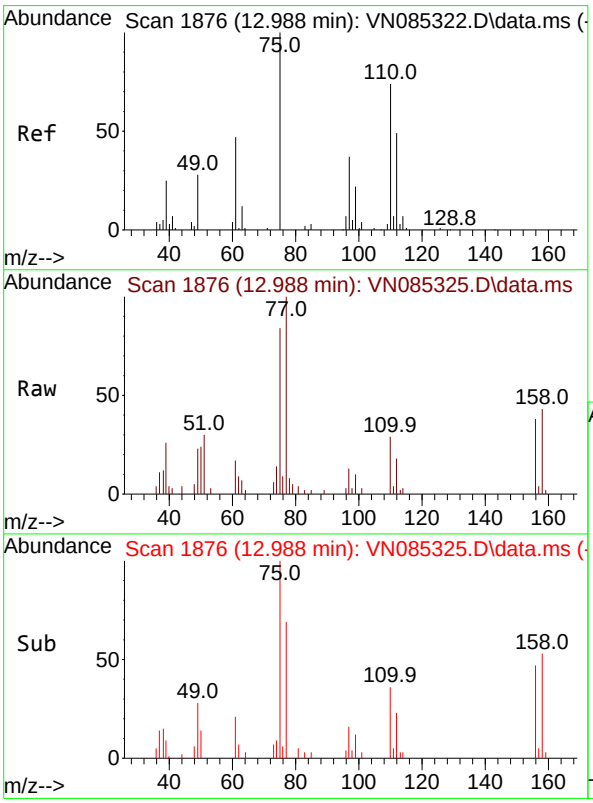
#75
1,1,2,2-Tetrachloroethane
Concen: 5.137 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11349

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.6	32.6	98.0

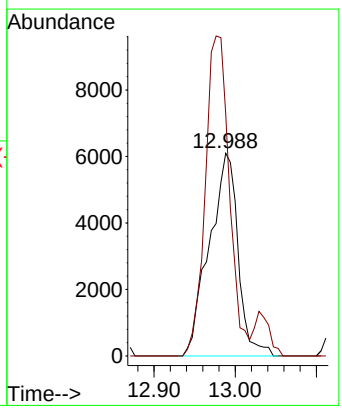


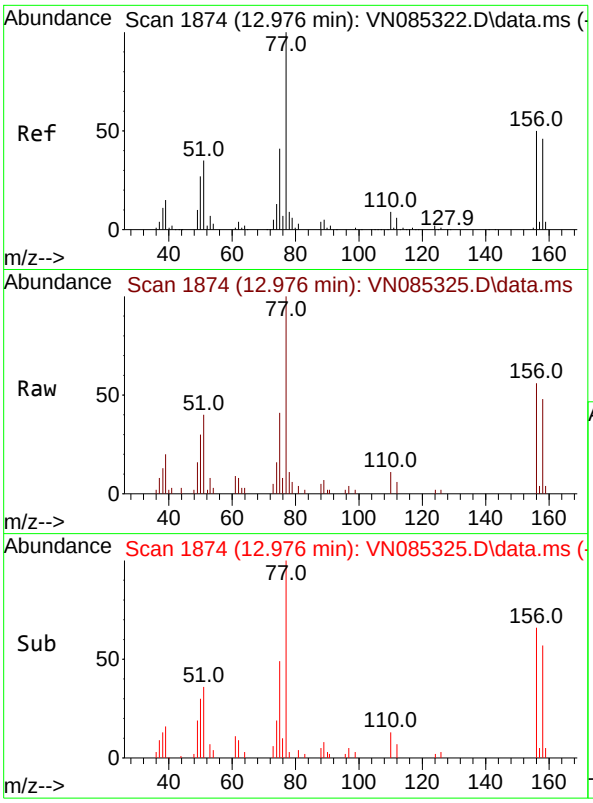


#76
1,2,3-Trichloropropane
Concen: 5.347 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 14988

Ion	Ratio	Lower	Upper
75	100		
77	132.2	98.1	294.3



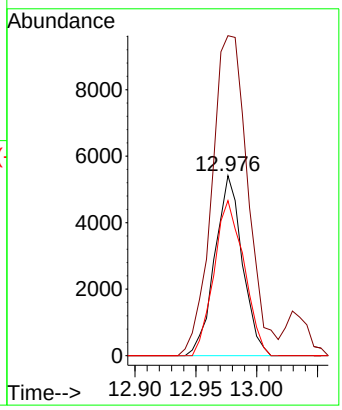


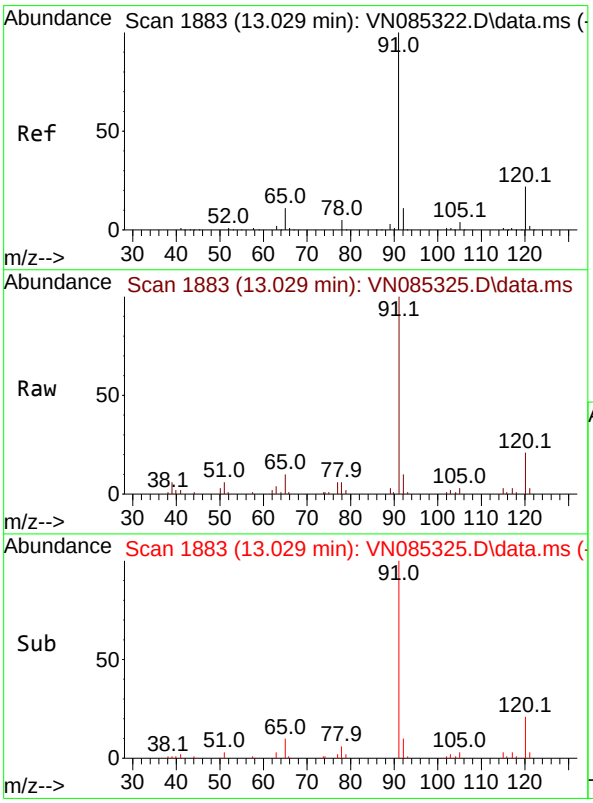
#77
Bromobenzene
Concen: 4.971 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 8544

Ion	Ratio	Lower	Upper
156	100		
77	231.9	114.0	342.0
158	93.9	47.6	142.8

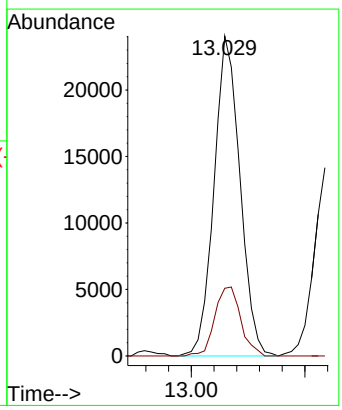


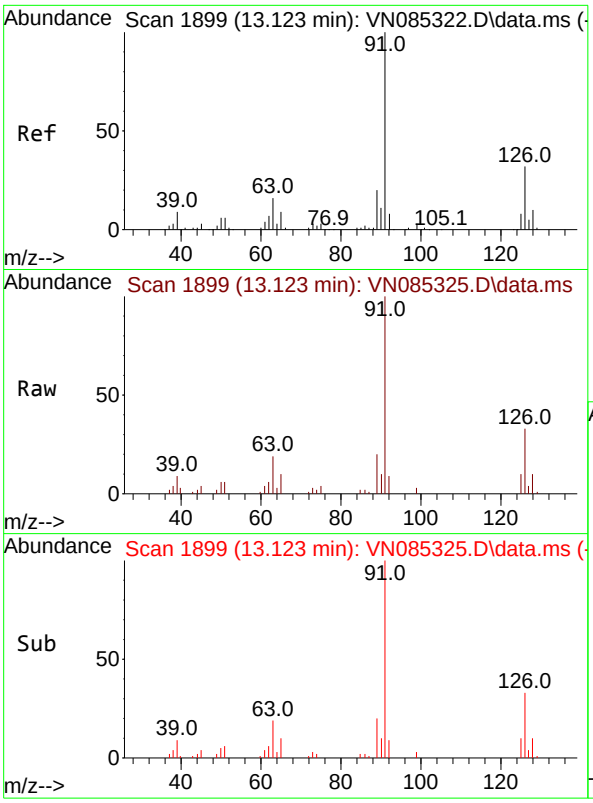


#78
n-propylbenzene
Concen: 4.722 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 38185

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.9	32.9



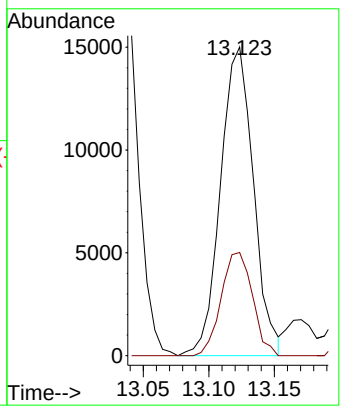


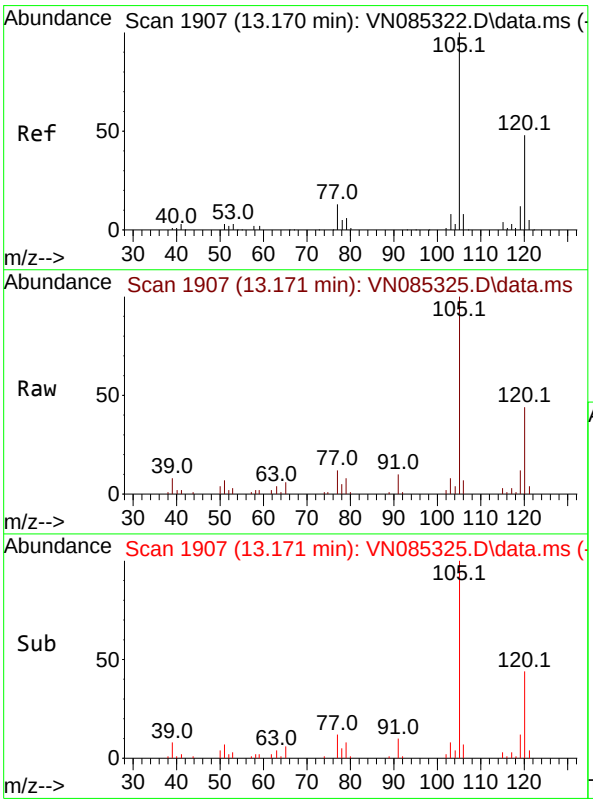
#79
2-Chlorotoluene
Concen: 5.164 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26279

Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	48.0

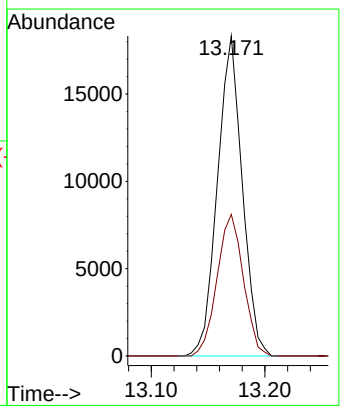


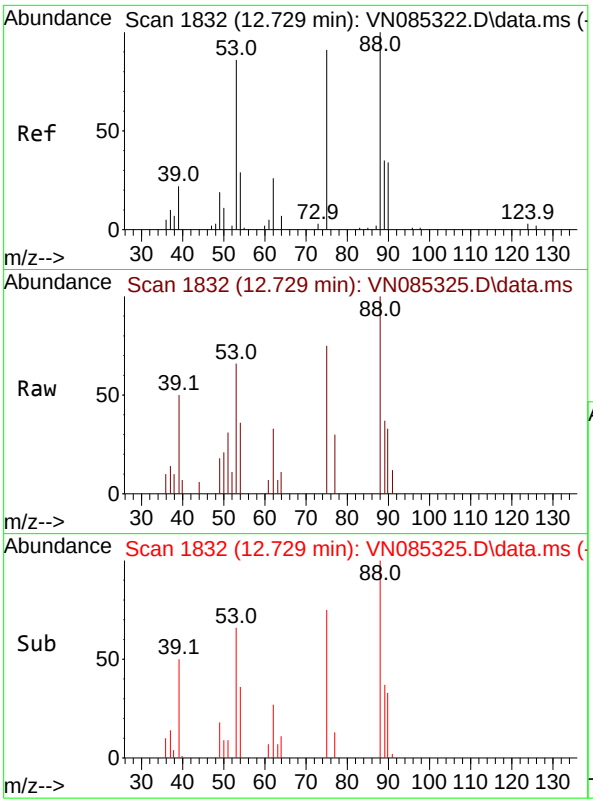


#80
1,3,5-Trimethylbenzene
Concen: 4.952 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 27787

Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.0	72.0



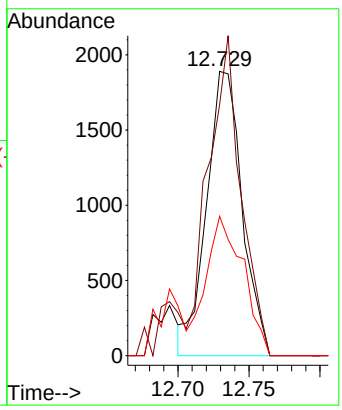


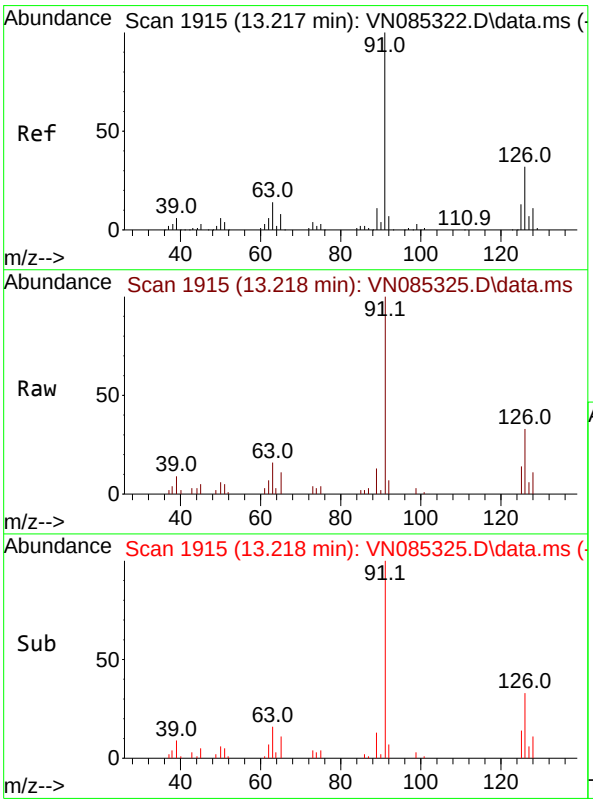
#81
trans-1,4-Dichloro-2-butene
Concen: 4.294 ug/l
RT: 12.729 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3288

Ion	Ratio	Lower	Upper
75	100		
53	103.2	80.0	120.0
89	51.5	35.8	53.8

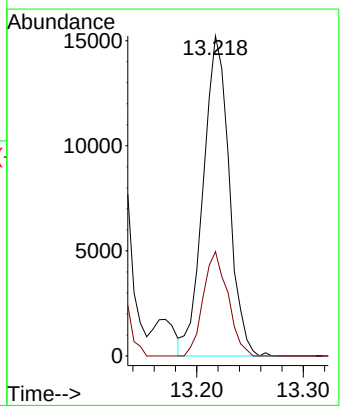


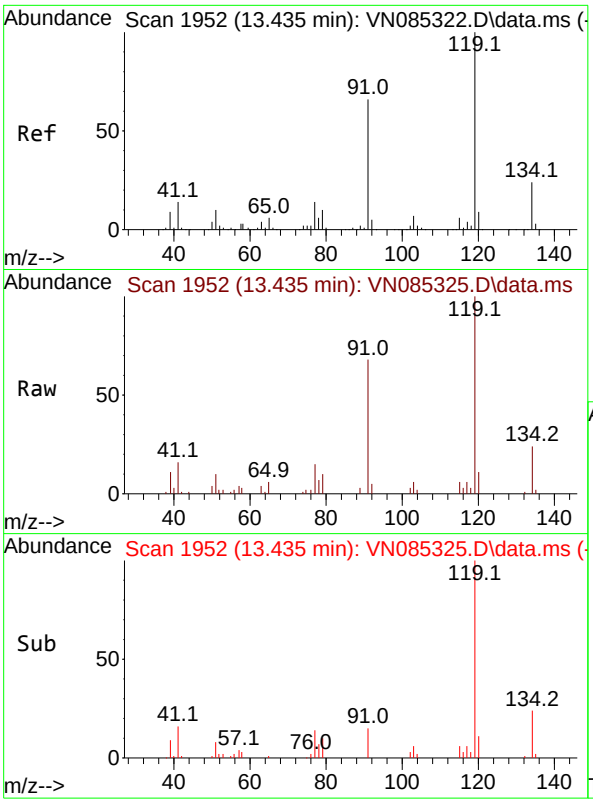


#82
4-Chlorotoluene
Concen: 5.016 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 91 Resp: 25709

Ion	Ratio	Lower	Upper
91	100		
126	31.0	16.4	49.4



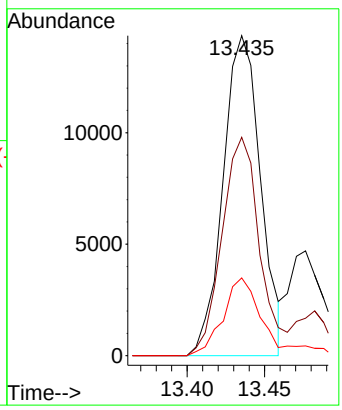


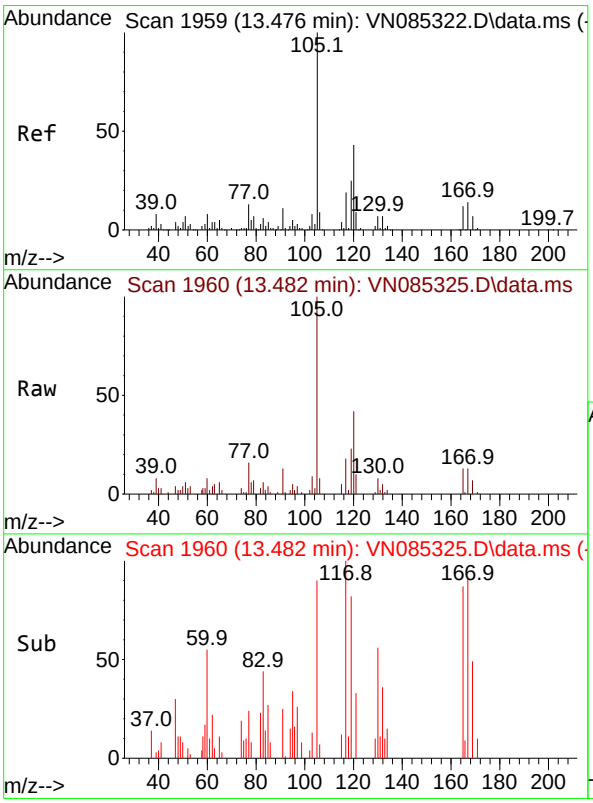
#83
tert-Butylbenzene
Concen: 4.969 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 24152

Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.6	100.8
134	24.7	13.3	39.8

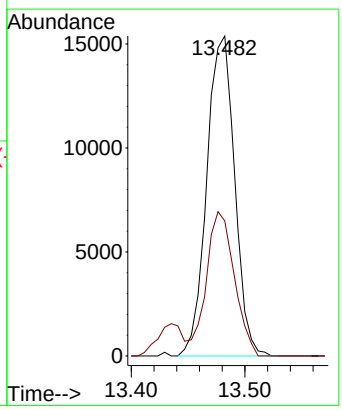


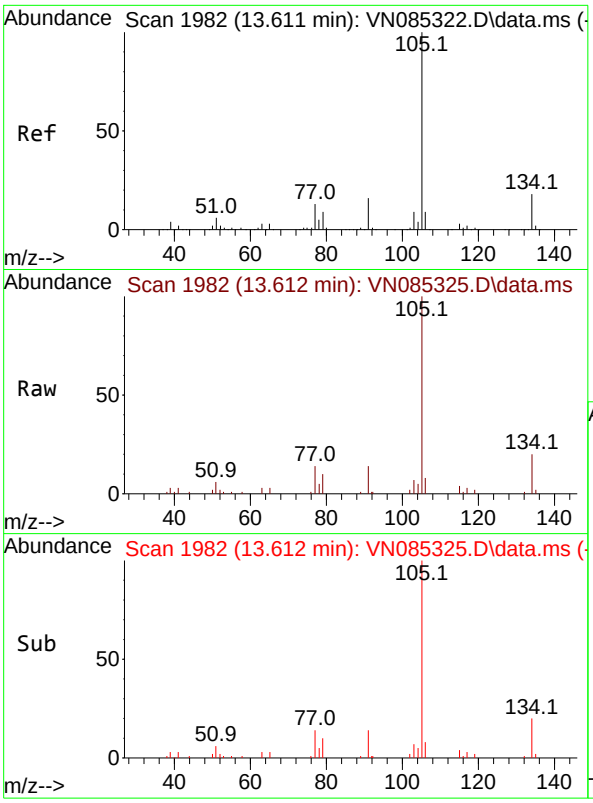


#84
1,2,4-Trimethylbenzene
Concen: 4.696 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:105 Resp: 26238

Ion	Ratio	Lower	Upper
105	100		
120	45.6	21.7	65.1



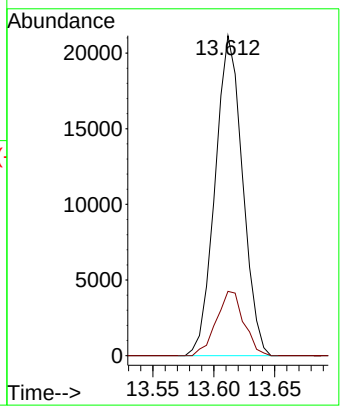


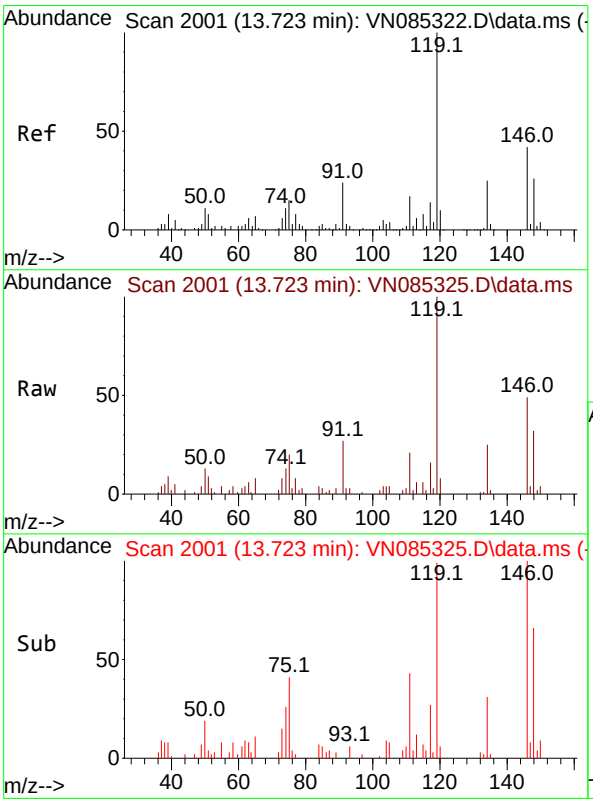
#85
sec-Butylbenzene
Concen: 4.923 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 33215

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.4	28.3

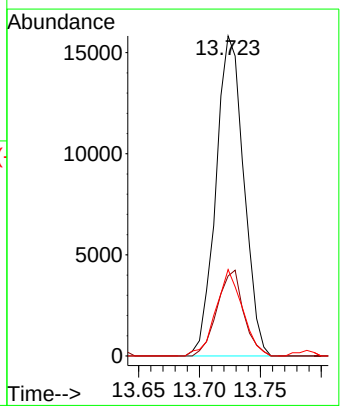


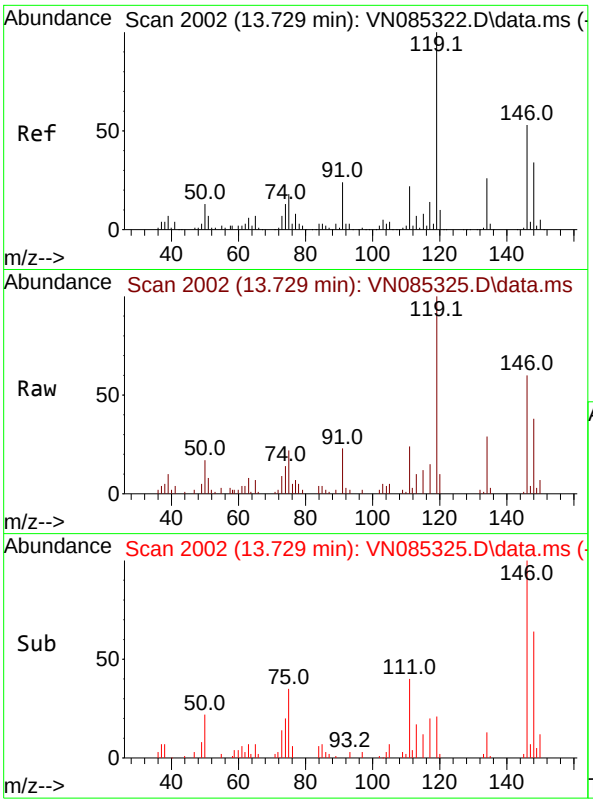


#86
p-Isopropyltoluene
Concen: 4.646 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:119 Resp: 25238

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	25.8	12.2	36.4



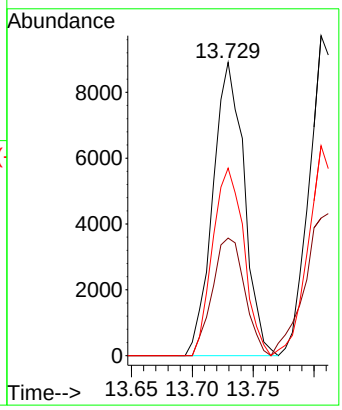


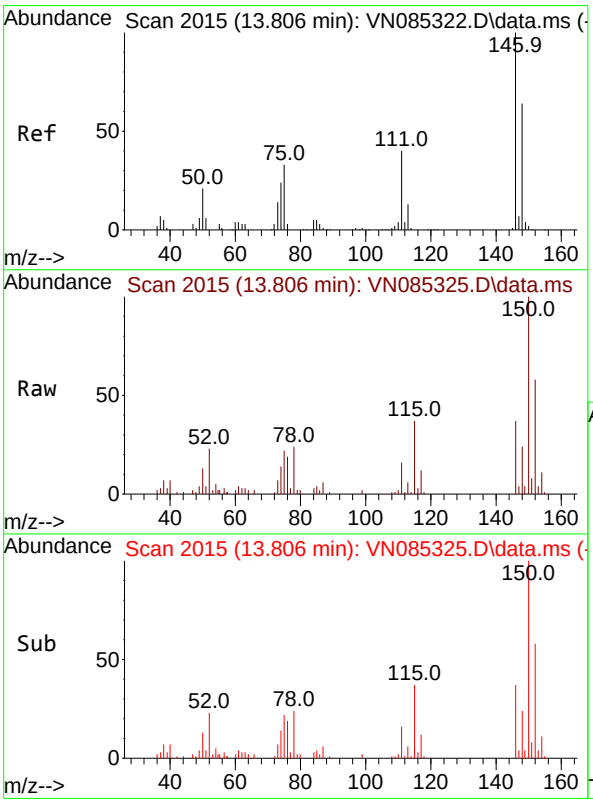
#87
1,3-Dichlorobenzene
Concen: 5.124 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 15966

Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.9
148	63.8	31.5	94.5

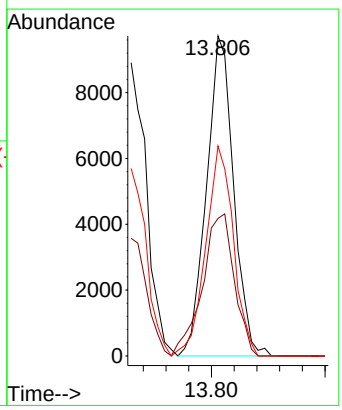


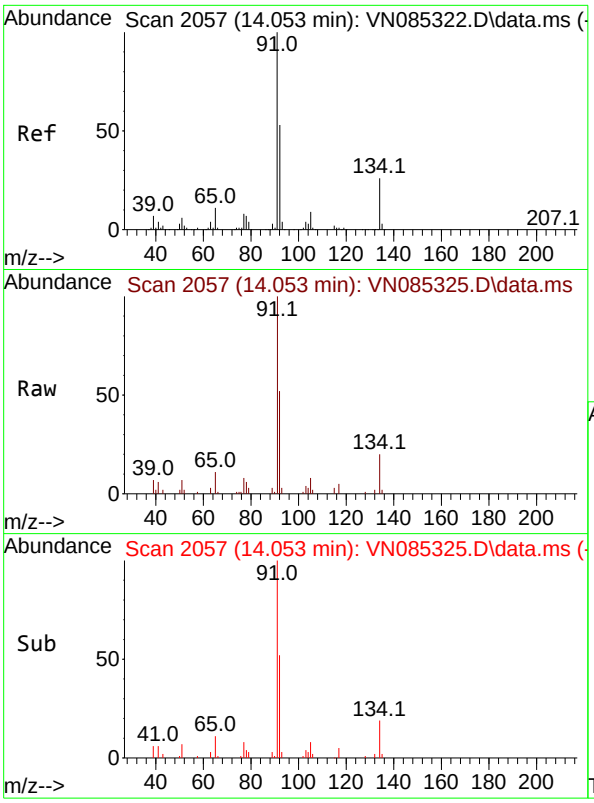


#88
1,4-Dichlorobenzene
Concen: 5.021 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:146 Resp: 16072

Ion	Ratio	Lower	Upper
146	100		
111	52.4	20.8	62.5
148	66.7	31.7	95.1



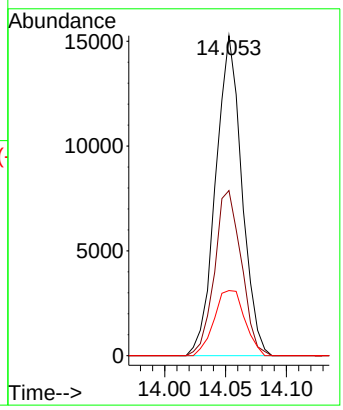


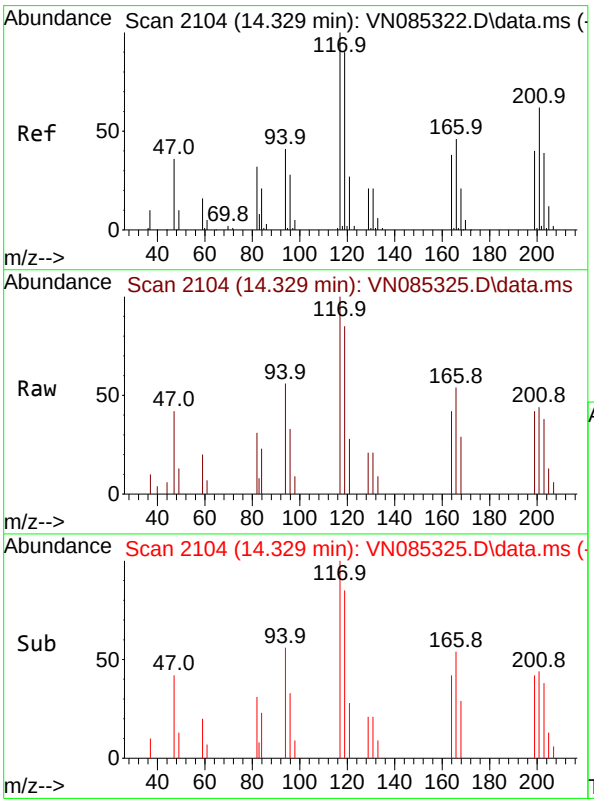
#89
n-Butylbenzene
Concen: 4.616 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 22807

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.0	78.0
134	23.9	12.1	36.3

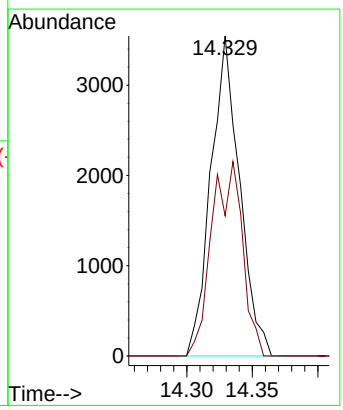


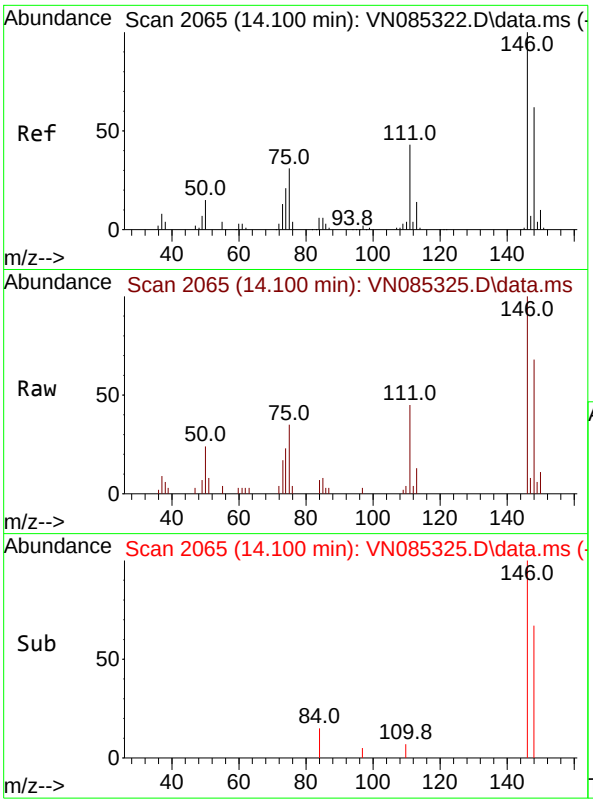


#90
Hexachloroethane
Concen: 4.881 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:117 Resp: 5398

Ion	Ratio	Lower	Upper
117	100		
201	64.9	30.7	92.1



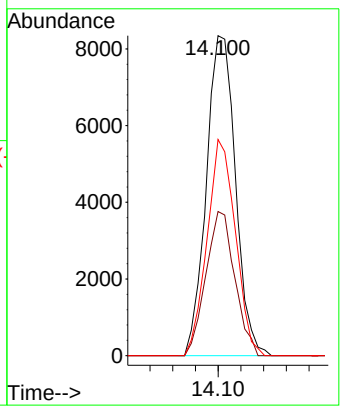


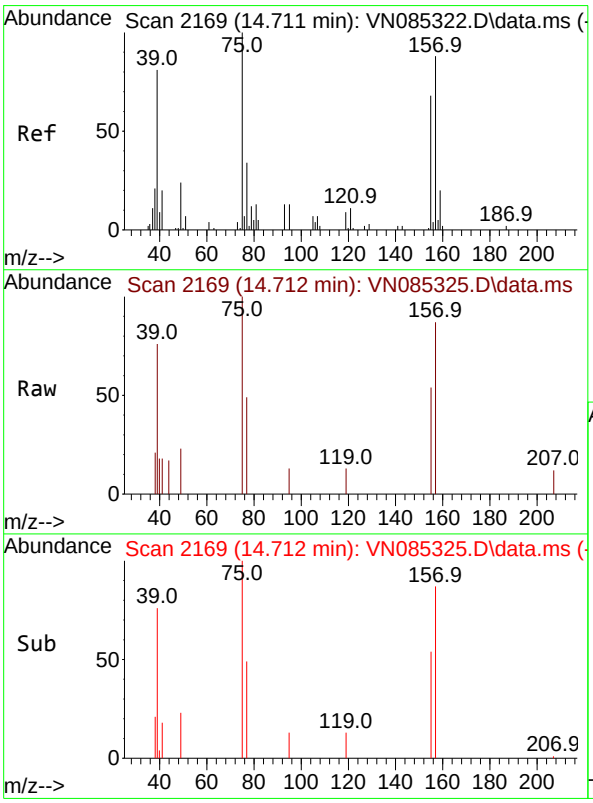
#91
1,2-Dichlorobenzene
Concen: 5.014 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 14881

Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.8	65.3
148	65.7	31.4	94.2

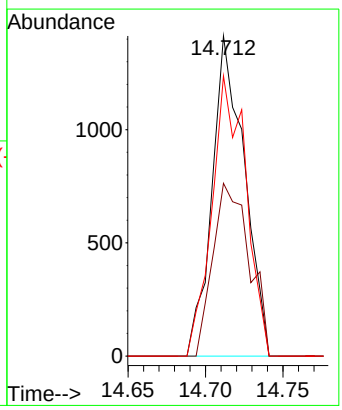


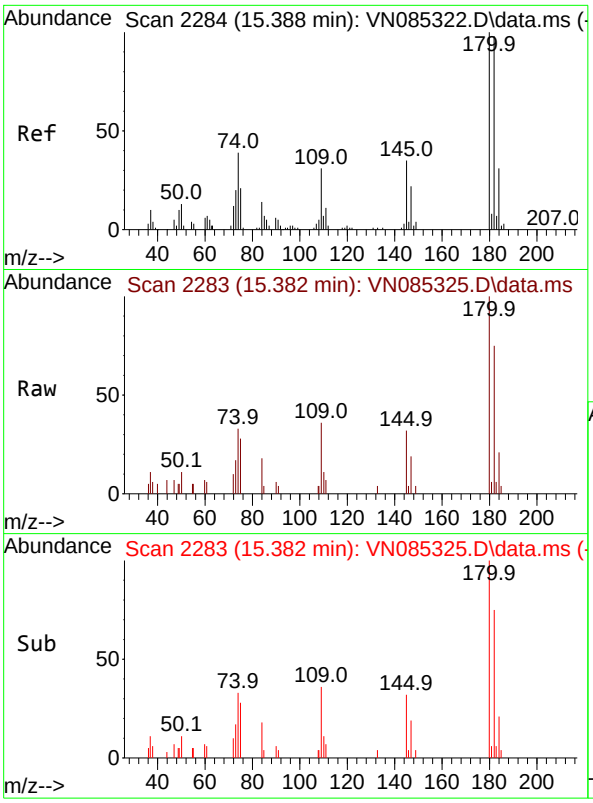


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.206 ug/l
RT: 14.712 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion: 75 Resp: 2047

Ion	Ratio	Lower	Upper
75	100		
155	60.8	35.6	106.9
157	92.3	47.0	141.0



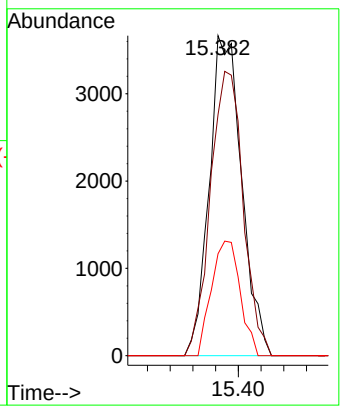


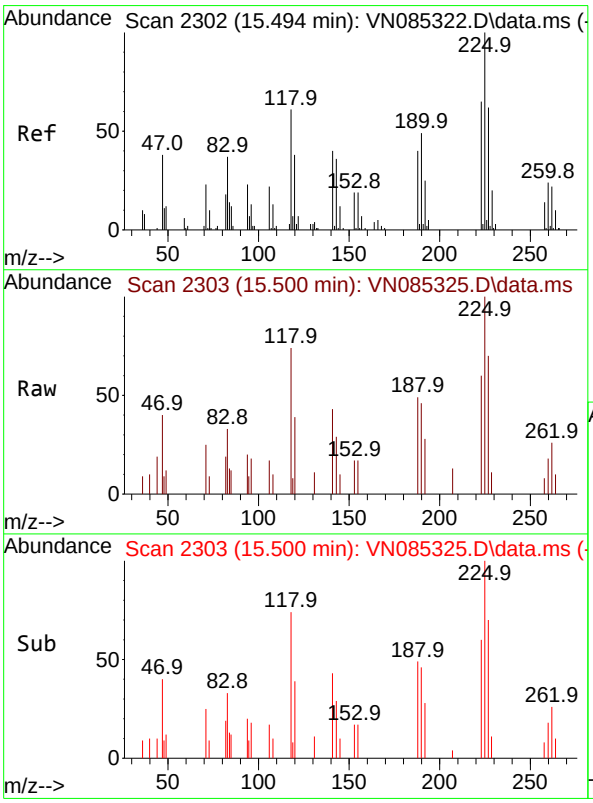
#93
1,2,4-Trichlorobenzene
Concen: 4.894 ug/l
RT: 15.382 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 7250

Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.2	141.6
145	31.7	16.6	49.8

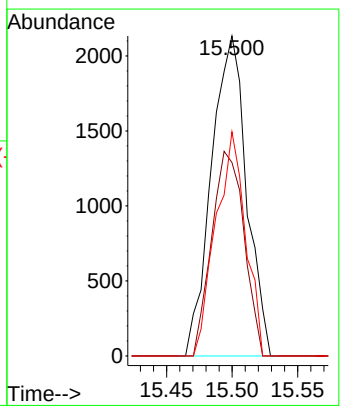


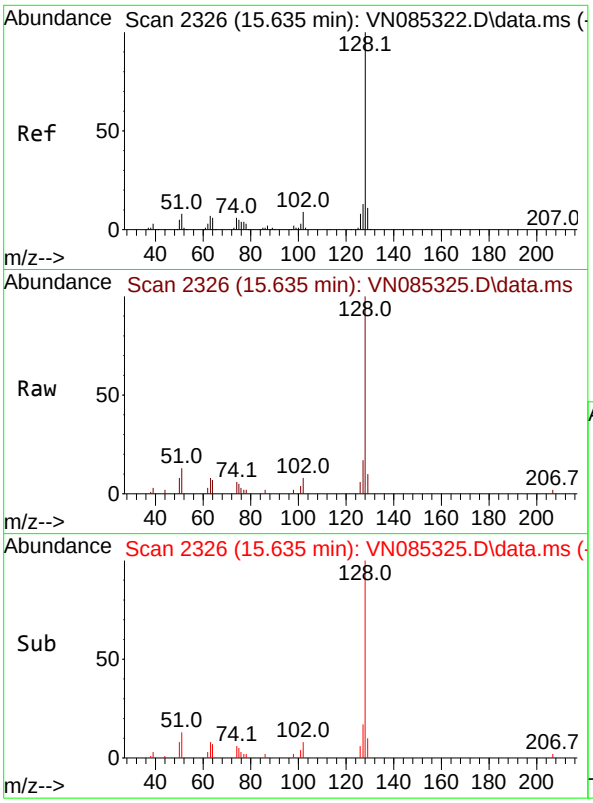


#94
Hexachlorobutadiene
Concen: 5.402 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:225 Resp: 3976

Ion	Ratio	Lower	Upper
225	100		
223	58.8	31.6	94.7
227	59.1	30.3	91.0



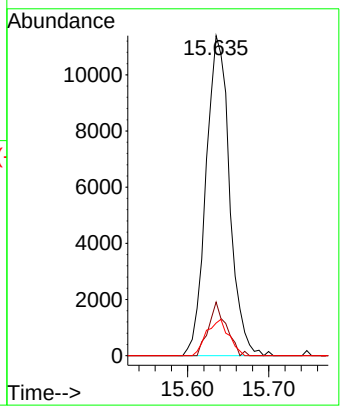


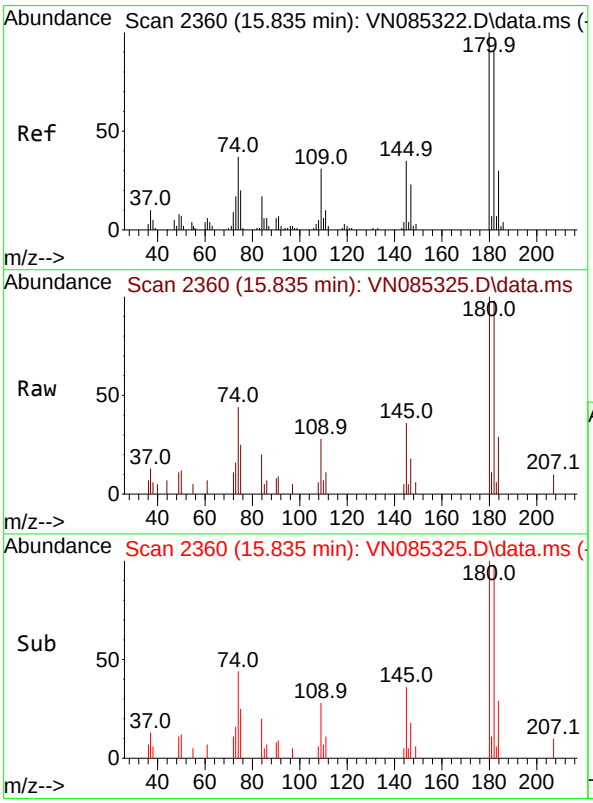
#95
Naphthalene
Concen: 4.572 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 22967

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.7	8.5	12.7

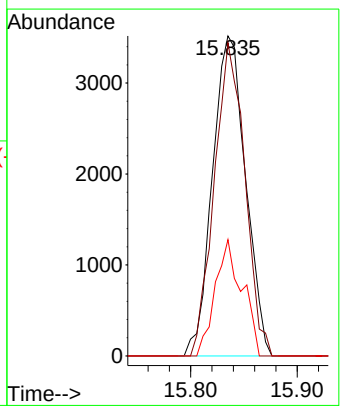




#96
1,2,3-Trichlorobenzene
Concen: 5.131 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085325.D
Acq: 27 Dec 2024 12:01

Tgt Ion:180 Resp: 7594

Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.8	140.4
145	29.6	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Dec 28 00:10:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	81571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	2162	1.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.280%#		
35) Dibromofluoromethane	8.159	113	1776	1.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.300%#		
50) Toluene-d8	10.565	98	5291	0.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.880%#		
62) 4-Bromofluorobenzene	12.847	95	1608	0.857	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.720%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	1733	0.960	ug/l #	70
3) Chloromethane	2.359	50	2616	1.290	ug/l	92
4) Vinyl Chloride	2.512	62	2294	1.069	ug/l	93
5) Bromomethane	2.971	94	1982	1.413	ug/l	99
6) Chloroethane	3.130	64	1394	1.025	ug/l	91
7) Trichlorofluoromethane	3.500	101	2816	0.999	ug/l	93
8) Diethyl Ether	3.971	74	756	0.810	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.365	101	951	0.593	ug/l #	62
10) Methyl Iodide	4.588	142	1833	0.987	ug/l #	79
11) Tert butyl alcohol	5.530	59	1427	5.987	ug/l #	73
12) 1,1-Dichloroethene	4.341	96	1405	0.947	ug/l #	78
13) Acrolein	4.189	56	1867	5.024	ug/l	95
14) Allyl chloride	5.030	41	2441	1.028	ug/l #	68
15) Acrylonitrile	5.712	53	1963	2.617	ug/l #	47
16) Acetone	4.430	43	3332	5.323	ug/l #	58
17) Carbon Disulfide	4.718	76	5381	1.193	ug/l	96
18) Methyl Acetate	5.030	43	1947	1.016	ug/l #	59
19) Methyl tert-butyl Ether	5.800	73	4219	0.875	ug/l #	88
20) Methylene Chloride	5.271	84	1722	1.023	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	1530	0.988	ug/l #	85
22) Diisopropyl ether	6.677	45	4276	0.836	ug/l #	93
23) Vinyl Acetate	6.600	43	15012	3.880	ug/l	100
24) 1,1-Dichloroethane	6.559	63	3050	0.990	ug/l #	82
25) 2-Butanone	7.482	43	4530	4.665	ug/l	97
26) 2,2-Dichloropropane	7.488	77	2343	0.868	ug/l #	67
27) cis-1,2-Dichloroethene	7.482	96	1732	0.953	ug/l	99
28) Bromochloromethane	7.800	49	562	0.393	ug/l #	98
29) Tetrahydrofuran	7.835	42	2727	4.360	ug/l	99
30) Chloroform	7.953	83	3291	1.044	ug/l #	74
31) Cyclohexane	8.229	56	6220	2.211	ug/l #	53
32) 1,1,1-Trichloroethane	8.165	97	2817	1.001	ug/l #	50
36) 1,1-Dichloropropene	8.371	75	2094	0.929	ug/l #	74
37) Ethyl Acetate	7.559	43	2400	1.071	ug/l #	70
38) Carbon Tetrachloride	8.359	117	2232	0.908	ug/l #	93
39) Methylcyclohexane	9.600	83	1910	0.817	ug/l	90
40) Benzene	8.606	78	6282	0.922	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Dec 28 00:10:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	405	0.353	ug/l	#	2
42) 1,2-Dichloroethane	8.665	62	2346	0.960	ug/l	#	76
43) Isopropyl Acetate	8.694	43	3615	0.980	ug/l	#	84
44) Trichloroethene	9.347	130	1696	1.051	ug/l		89
45) 1,2-Dichloropropane	9.623	63	1658	0.958	ug/l	#	81
46) Dibromomethane	9.712	93	1092	0.908	ug/l		96
47) Bromodichloromethane	9.882	83	2265	0.906	ug/l	#	87
48) Methyl methacrylate	9.682	41	1319	0.824	ug/l	#	88
49) 1,4-Dioxane	9.688	88	300	12.421	ug/l	#	63
51) 4-Methyl-2-Pentanone	10.441	43	8337	4.021	ug/l		100
52) Toluene	10.629	92	3329	0.820	ug/l		95
53) t-1,3-Dichloropropene	10.829	75	1964	0.799	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	2254	0.848	ug/l	#	82
55) 1,1,2-Trichloroethane	11.012	97	1466	0.957	ug/l		91
56) Ethyl methacrylate	10.876	69	1600	0.717	ug/l		100
57) 1,3-Dichloropropane	11.165	76	2306	0.858	ug/l	#	84
58) 2-Chloroethyl Vinyl ether	10.165	63	3585	3.321	ug/l		91
59) 2-Hexanone	11.194	43	5577	3.877	ug/l		89
60) Dibromochloromethane	11.353	129	1329	0.770	ug/l		72
61) 1,2-Dibromoethane	11.470	107	1298	0.856	ug/l		100
64) Tetrachloroethene	11.100	164	1118	0.851	ug/l	#	83
65) Chlorobenzene	11.882	112	4664	1.041	ug/l	#	81
66) 1,1,1,2-Tetrachloroethane	11.959	131	1447	0.962	ug/l	#	59
67) Ethyl Benzene	11.959	91	6412	0.860	ug/l		92
68) m/p-Xylenes	12.064	106	3925	1.439	ug/l		89
69) o-Xylene	12.394	106	2091	0.792	ug/l		94
70) Styrene	12.417	104	3030	0.708	ug/l		97
71) Bromoform	12.570	173	859	0.824	ug/l	#	99
73) Isopropylbenzene	12.694	105	4362	0.744	ug/l		95
74) N-amyl acetate	12.494	43	2086	0.831	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	1959	1.049	ug/l	#	86
76) 1,2,3-Trichloropropane	12.988	75	2616	1.104	ug/l		56
77) Bromobenzene	12.976	156	1544	1.062	ug/l		95
78) n-propylbenzene	13.029	91	5290	0.774	ug/l		99
79) 2-Chlorotoluene	13.123	91	3518	0.818	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	3380	0.712	ug/l		91
81) trans-1,4-Dichloro-2-b...	12.735	75	610	0.942	ug/l	#	81
82) 4-Chlorotoluene	13.217	91	3768	0.869	ug/l		92
83) tert-Butylbenzene	13.441	119	3239	0.788	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3339	0.707	ug/l		99
85) sec-Butylbenzene	13.611	105	4066	0.713	ug/l		98
86) p-Isopropyltoluene	13.723	119	2921	0.636	ug/l		93
87) 1,3-Dichlorobenzene	13.729	146	2485	0.943	ug/l		99
88) 1,4-Dichlorobenzene	13.729	146	2485	0.918	ug/l		100
89) n-Butylbenzene	14.053	91	3482	0.833	ug/l		91
90) Hexachloroethane	14.329	117	831	0.889	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	2255	0.899	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	309	0.929	ug/l	#	73
93) 1,2,4-Trichlorobenzene	15.388	180	1193	0.952	ug/l		91
94) Hexachlorobutadiene	15.500	225	681	1.094	ug/l		75
95) Naphthalene	15.641	128	4815	1.134	ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.841	180	1188	0.949	ug/l	#	89

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Dec 28 00:10:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration

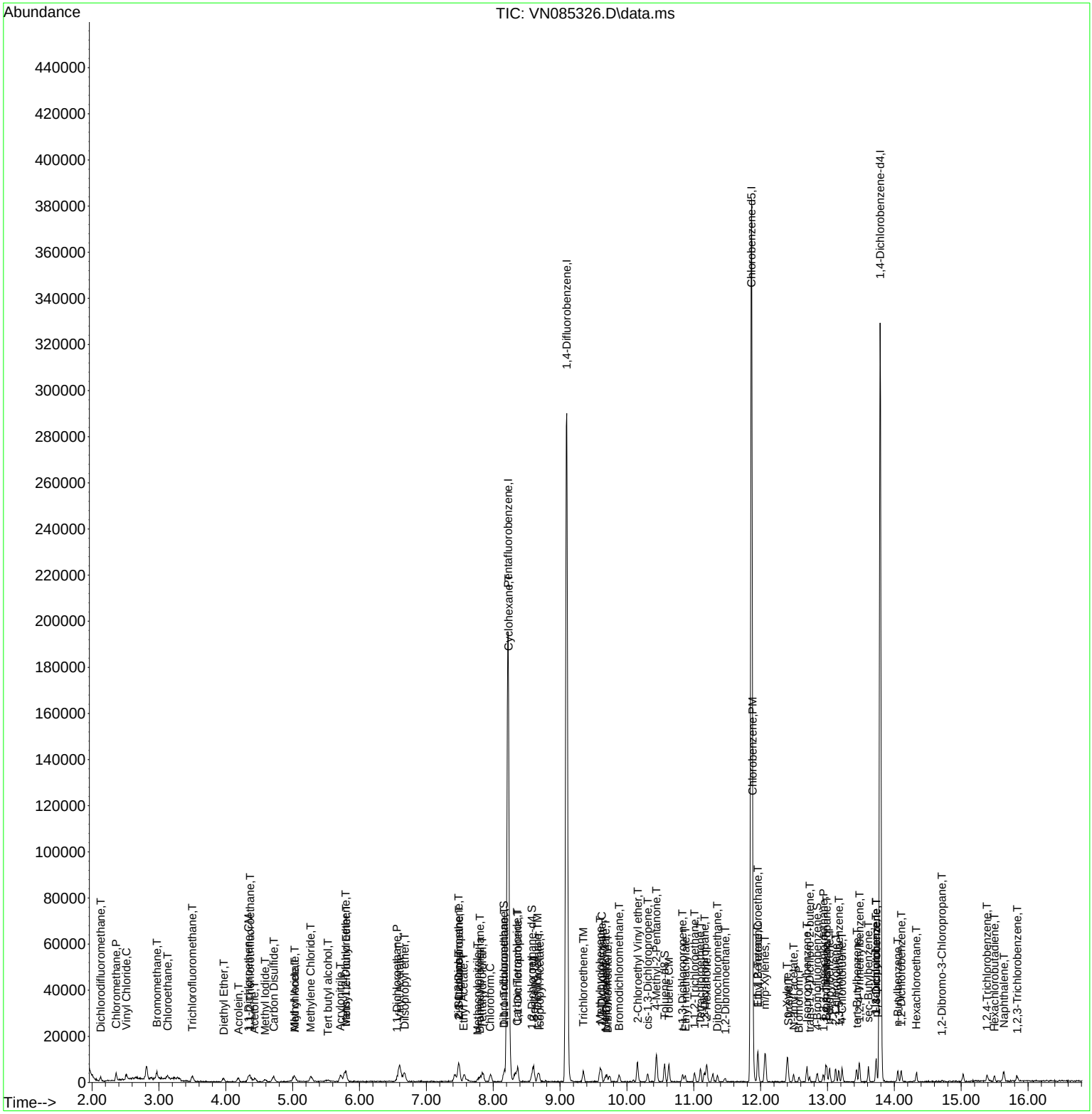
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

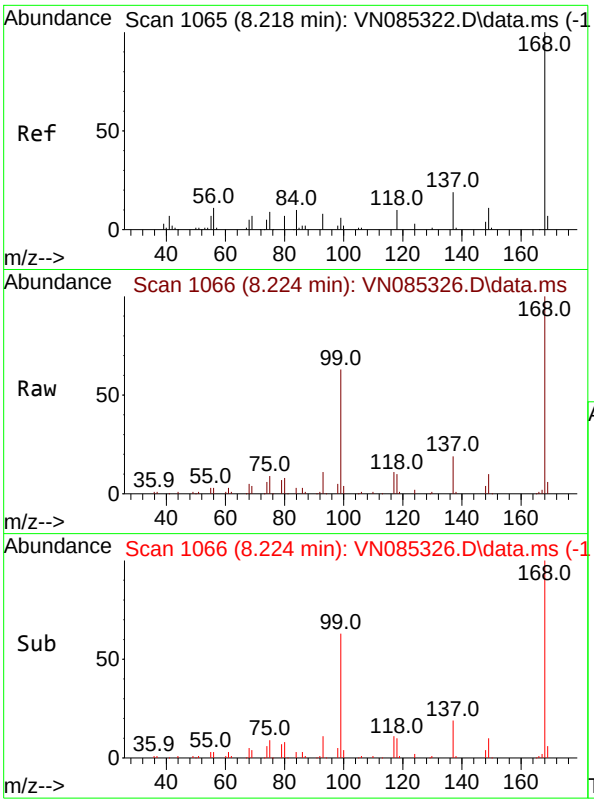
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Quant Time: Dec 28 00:10:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 00:01:51 2024
Response via : Initial Calibration



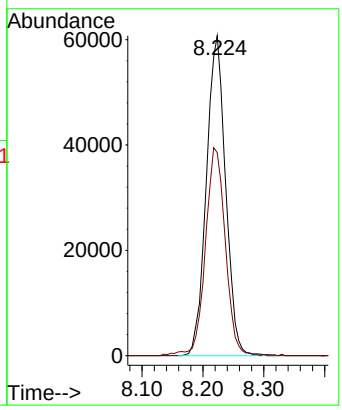


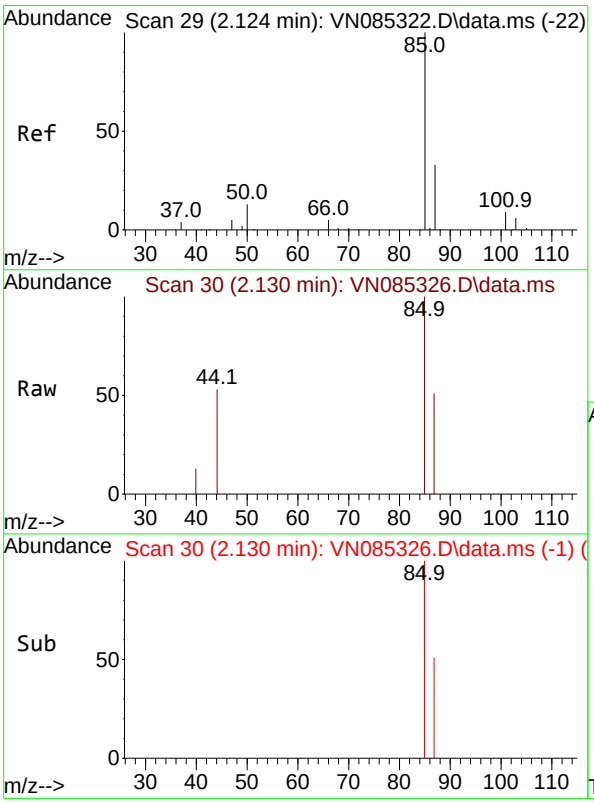
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 133455

Ion	Ratio	Lower	Upper
168	100		
99	63.5	51.0	76.4

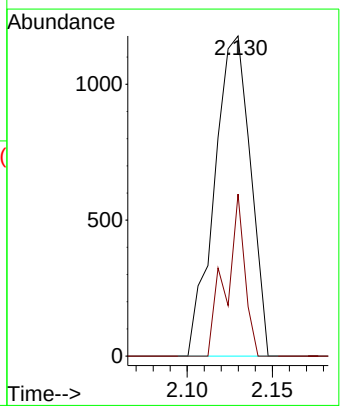


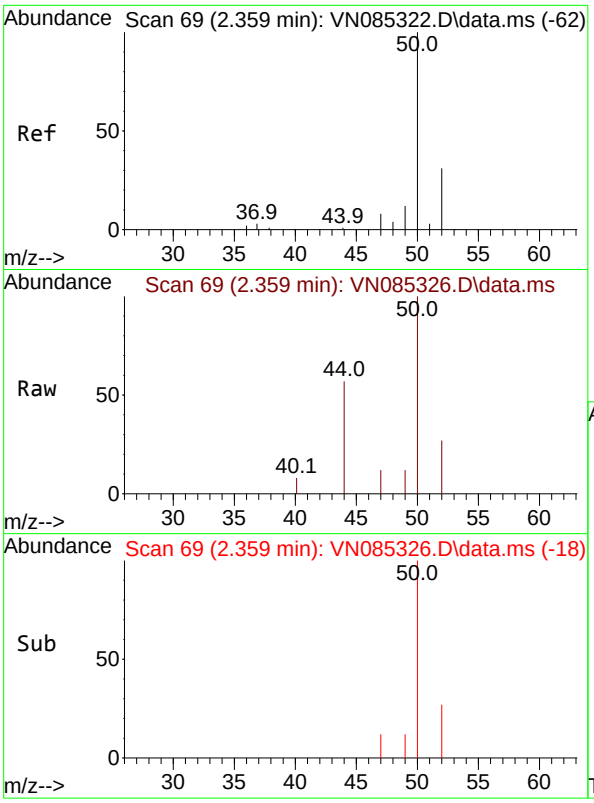


#2
Dichlorodifluoromethane
Concen: 0.960 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 85 Resp: 1733

Ion	Ratio	Lower	Upper
85	100		
87	50.6	16.8	50.3#



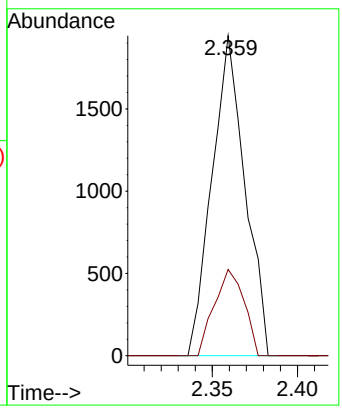


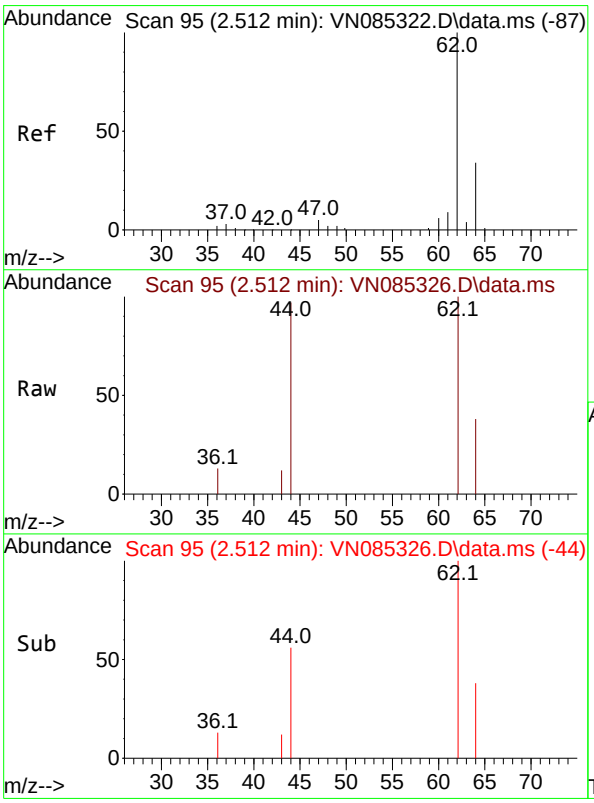
#3
Chloromethane
Concen: 1.290 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 2616

Ion	Ratio	Lower	Upper
50	100		
52	26.9	25.1	37.7

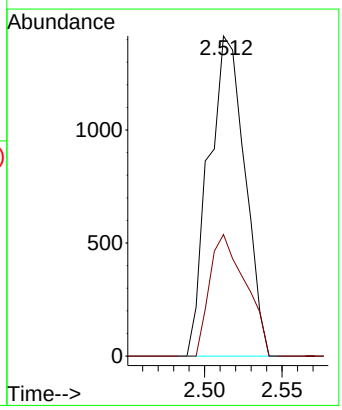


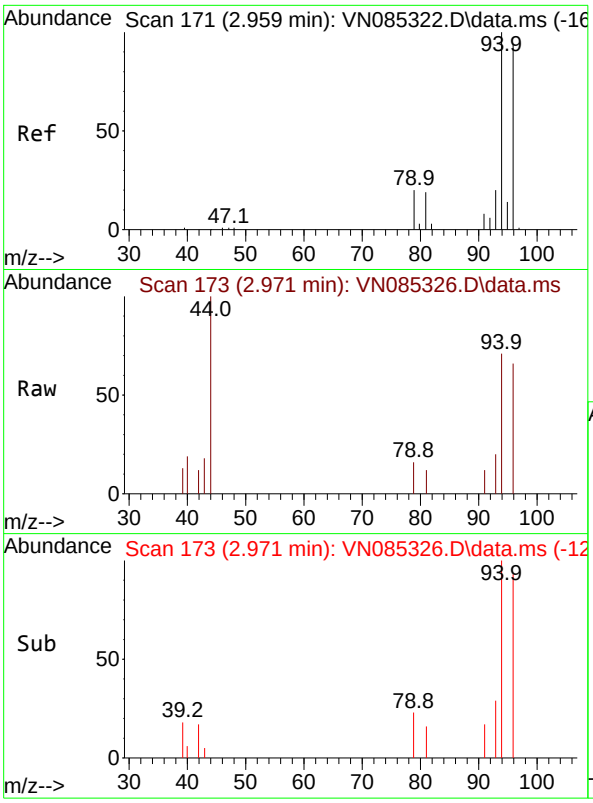


#4
Vinyl Chloride
Concen: 1.069 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 62 Resp: 2294

Ion	Ratio	Lower	Upper
62	100		
64	38.0	27.0	40.6



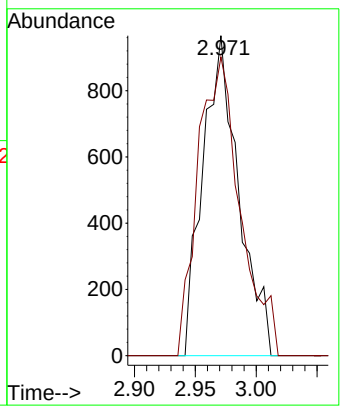


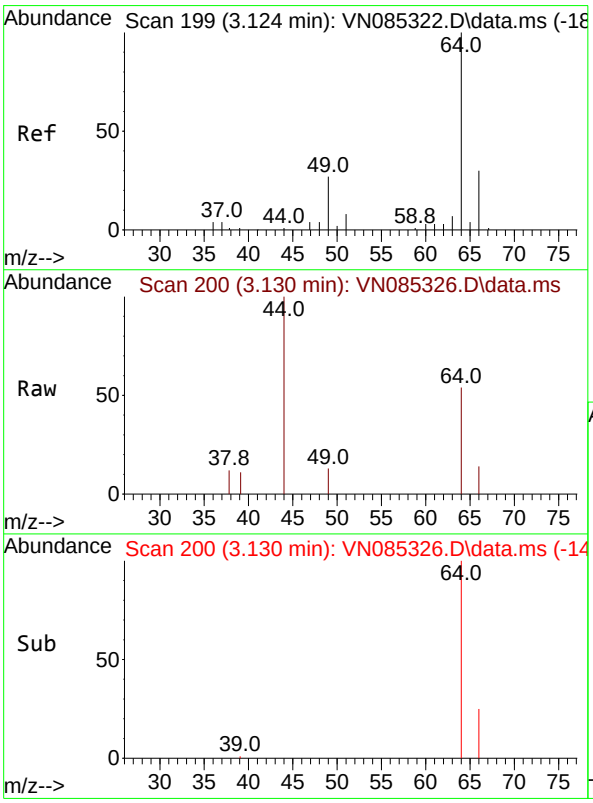
#5
Bromomethane
Concen: 1.413 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 1982

Ion	Ratio	Lower	Upper
94	100		
96	93.4	75.2	112.8

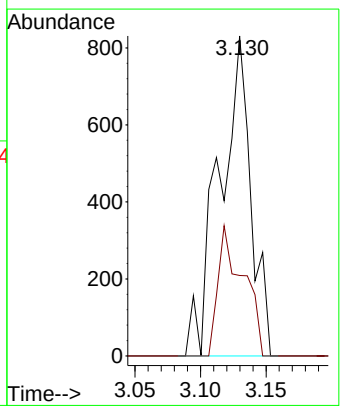


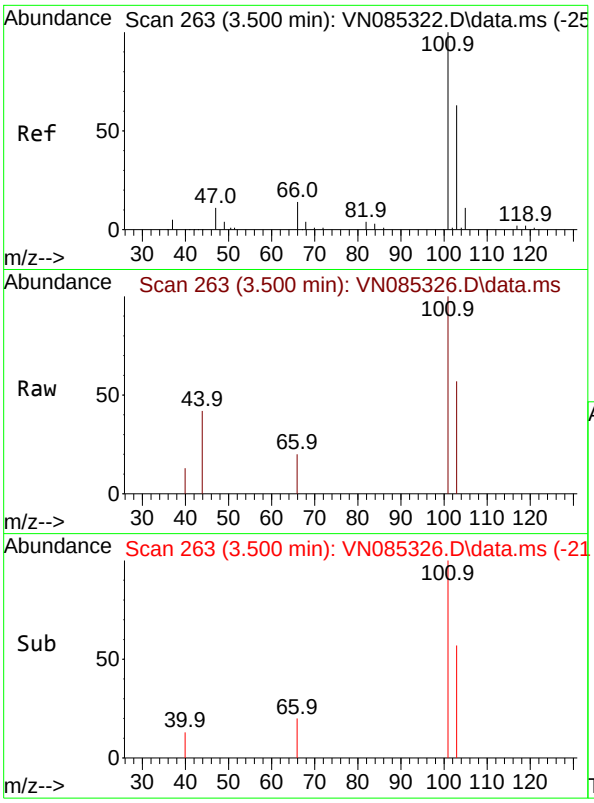


#6
Chloroethane
Concen: 1.025 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 64 Resp: 1394

Ion	Ratio	Lower	Upper
64	100		
66	25.2	24.1	36.1



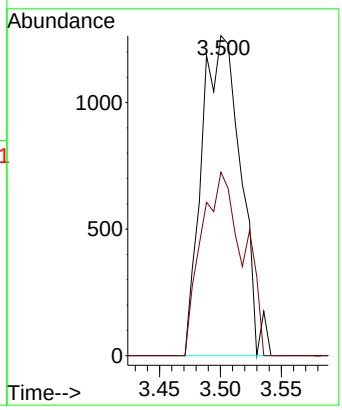


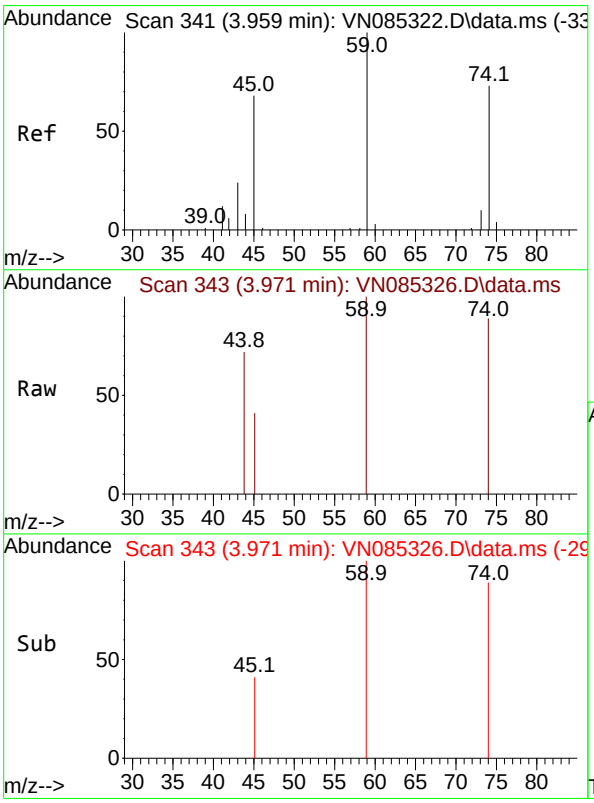
#7
Trichlorofluoromethane
Concen: 0.999 ug/l
RT: 3.500 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2816

Ion	Ratio	Lower	Upper
101	100		
103	57.4	50.3	75.5

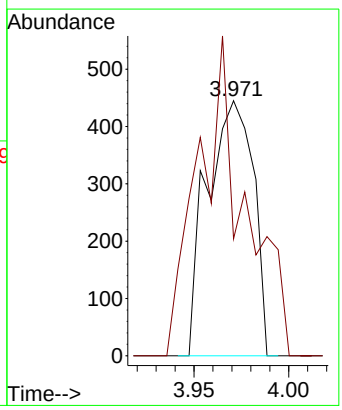


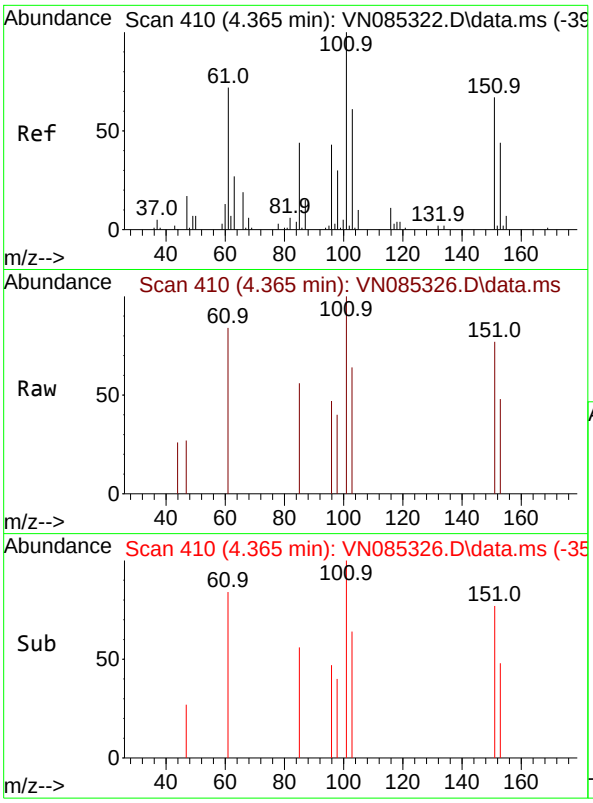


#8
Diethyl Ether
Concen: 0.810 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 74 Resp: 756

Ion	Ratio	Lower	Upper
74	100		
45	125.5	47.5	142.6



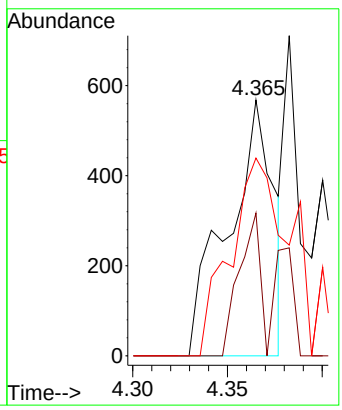


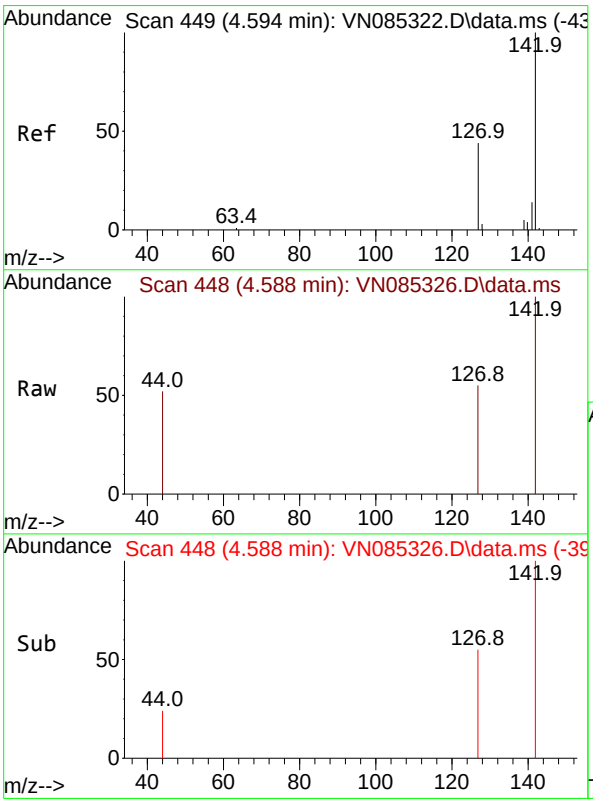
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.593 ug/l
RT: 4.365 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 951

Ion	Ratio	Lower	Upper
101	100		
85	25.8	36.2	54.4#
151	105.5	55.8	83.6#

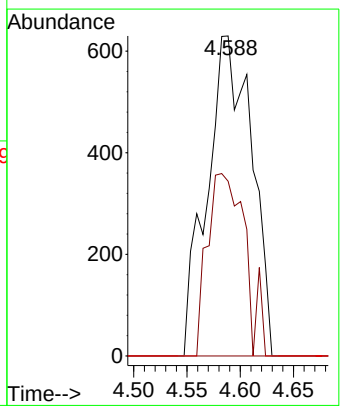


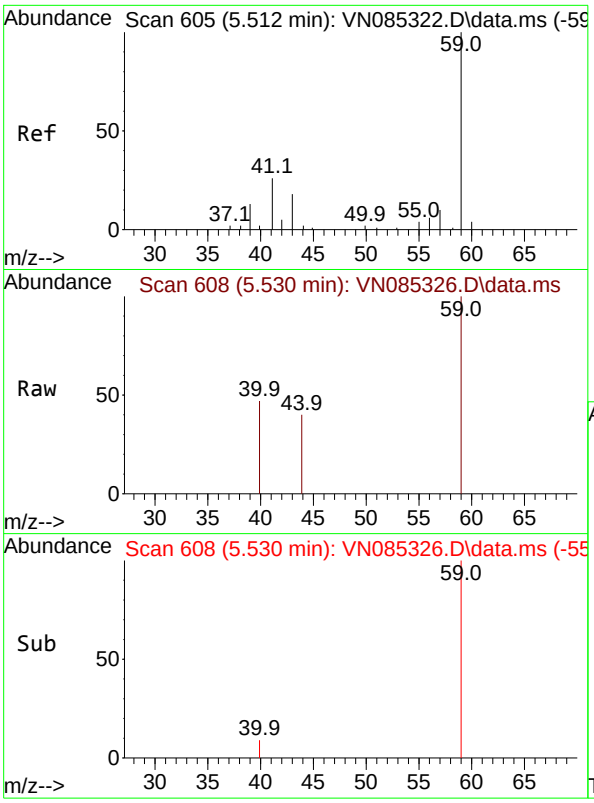


#10
Methyl Iodide
Concen: 0.987 ug/l
RT: 4.588 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:142 Resp: 1833

Ion	Ratio	Lower	Upper
142	100		
127	54.6	35.3	52.9#
141	0.0	11.5	17.3#



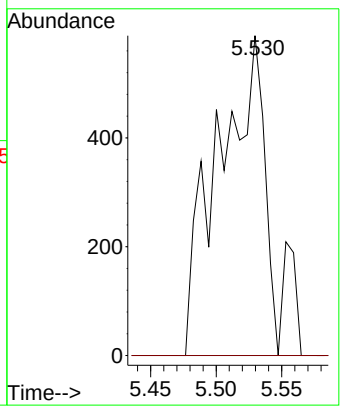


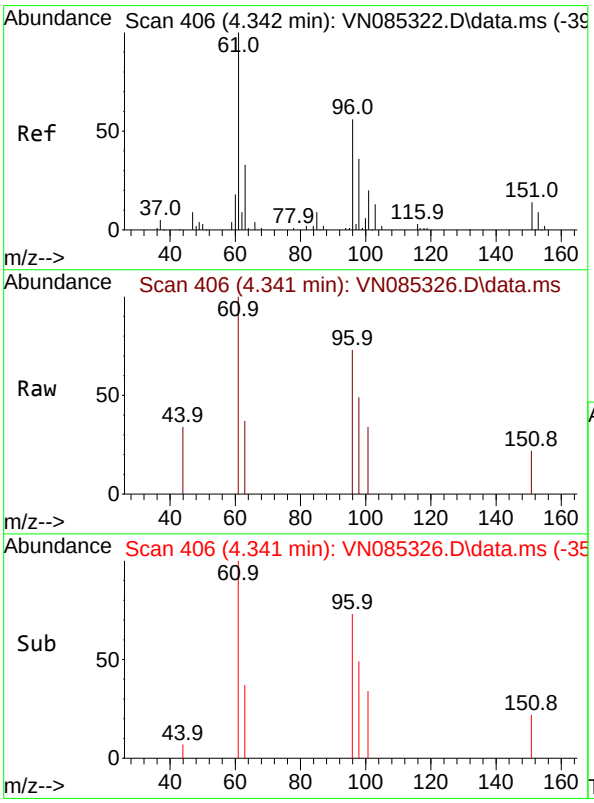
#11
Tert butyl alcohol
Concen: 5.987 ug/l
RT: 5.530 min Scan# 6
Delta R.T. 0.018 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1427

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#

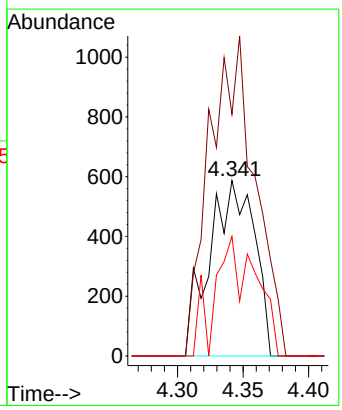


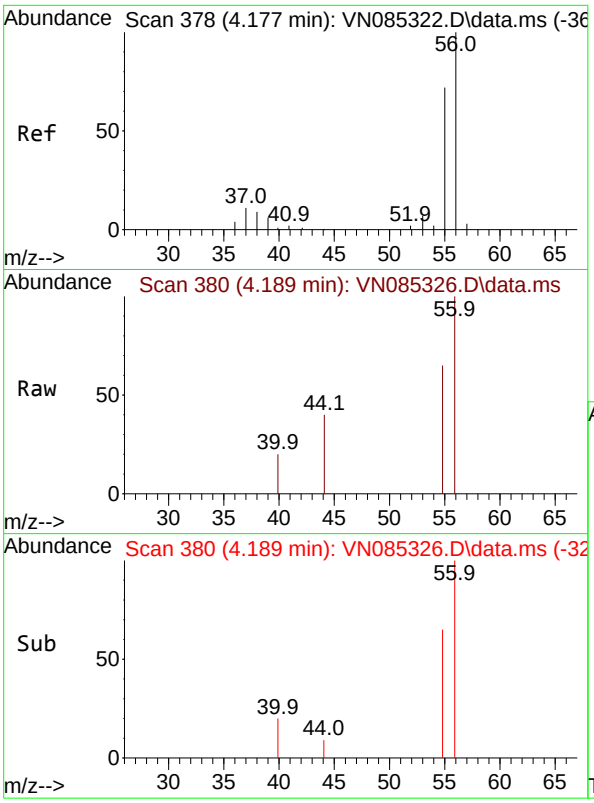


#12
1,1-Dichloroethene
Concen: 0.947 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 96 Resp: 1405

Ion	Ratio	Lower	Upper
96	100		
61	137.8	142.4	213.6#
98	68.1	51.5	77.3



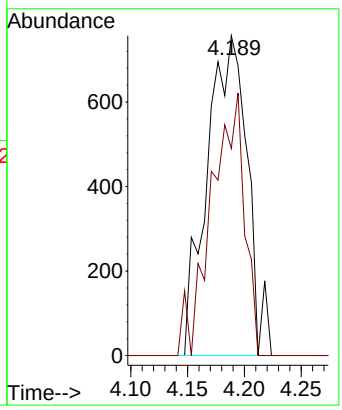


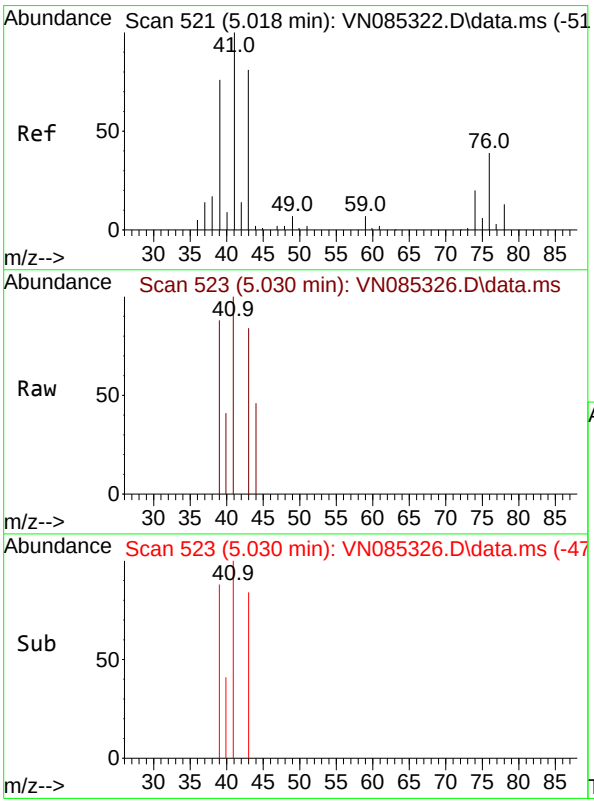
#13
Acrolein
Concen: 5.024 ug/l
RT: 4.189 min Scan# 3
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1867

Ion	Ratio	Lower	Upper
56	100		
55	67.4	57.5	86.3

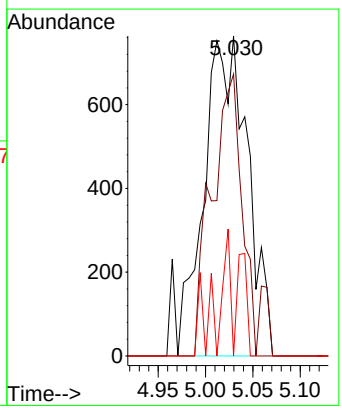


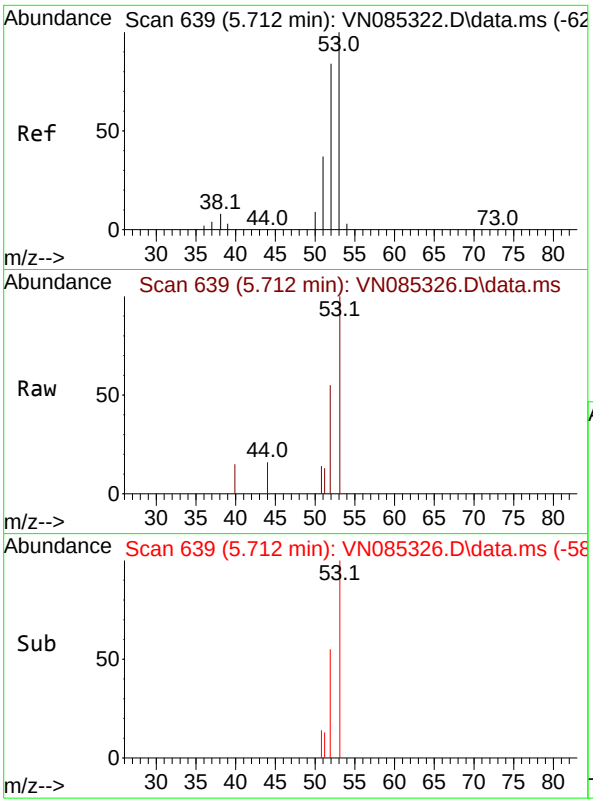


#14
Allyl chloride
Concen: 1.028 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 41 Resp: 2441

Ion	Ratio	Lower	Upper
41	100		
39	61.1	64.4	96.6#
76	6.7	31.5	47.3#



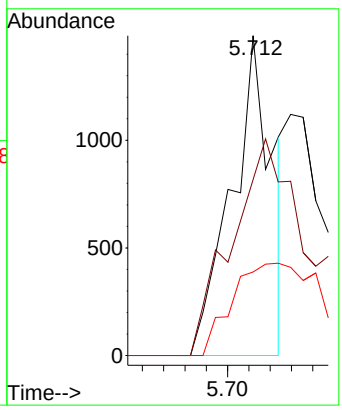


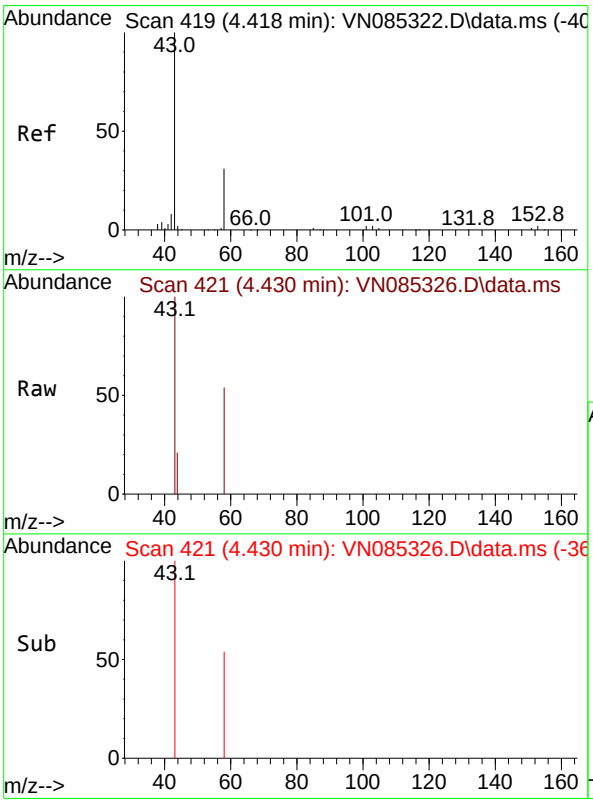
#15
Acrylonitrile
Concen: 2.617 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 1963

Ion	Ratio	Lower	Upper
53	100		
52	136.9	66.6	100.0#
51	59.0	29.6	44.4#

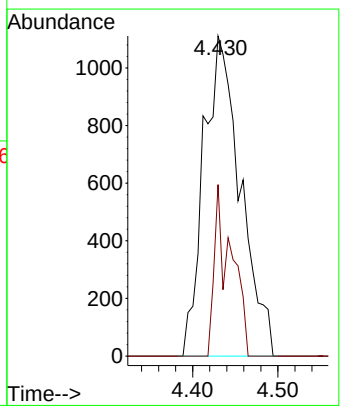


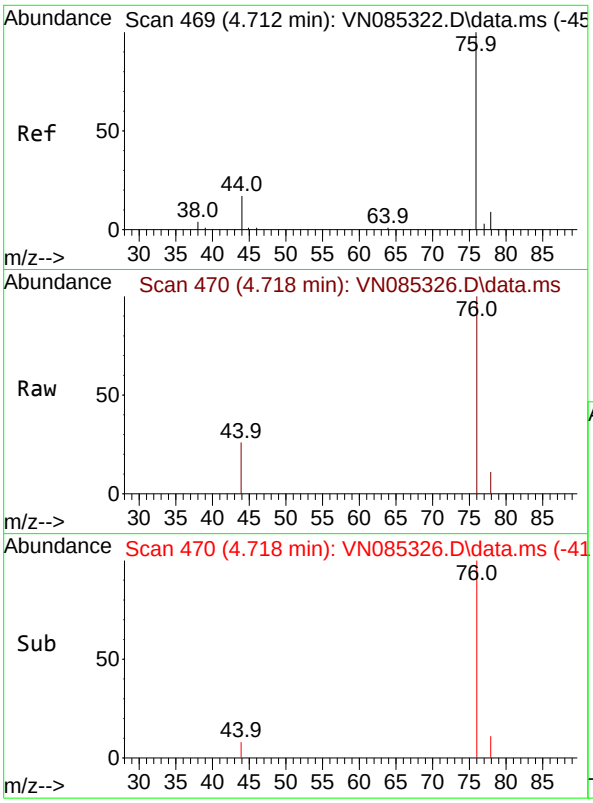


#16
Acetone
Concen: 5.323 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 3332

Ion	Ratio	Lower	Upper
43	100		
58	53.6	24.5	36.7#



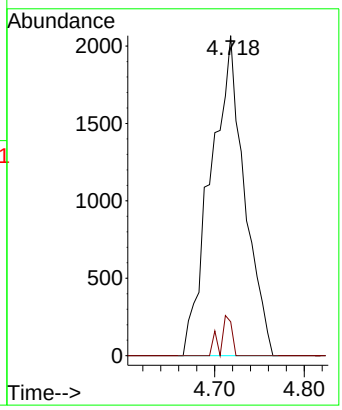


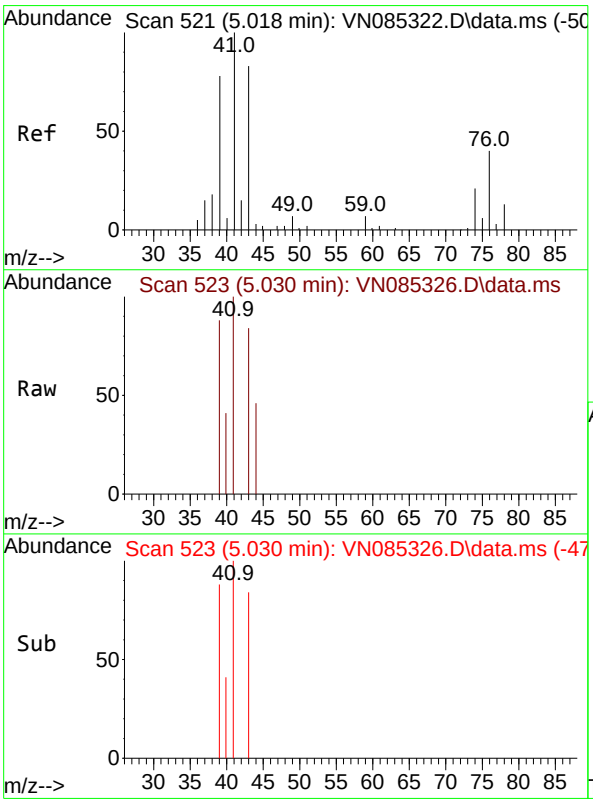
#17
Carbon Disulfide
Concen: 1.193 ug/l
RT: 4.718 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 5381

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.2	10.8

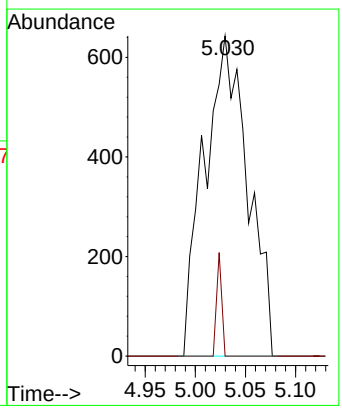


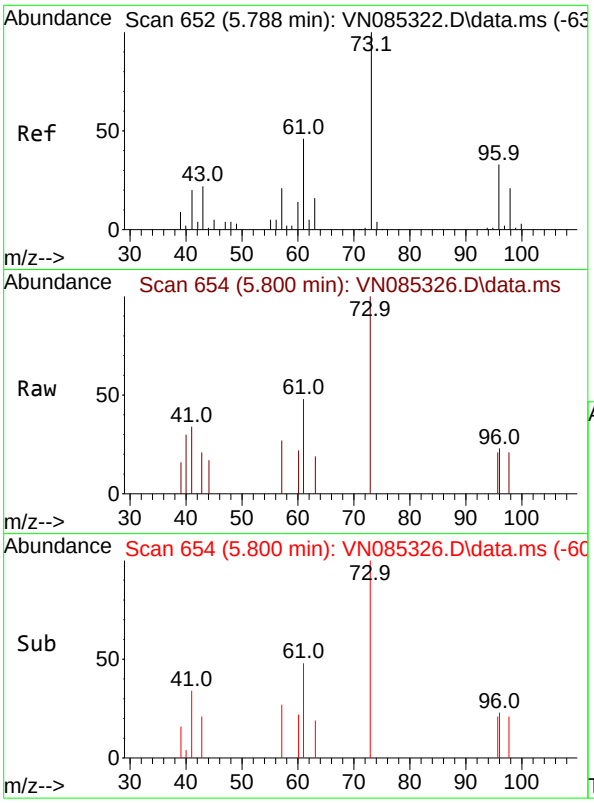


#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 1947

Ion	Ratio	Lower	Upper
43	100		
74	3.7	19.0	28.6#



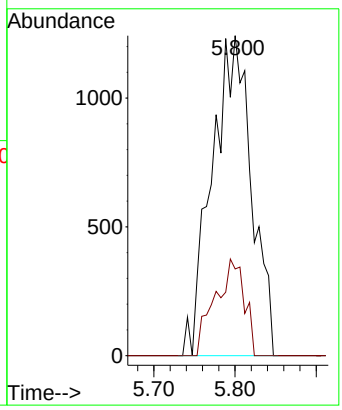


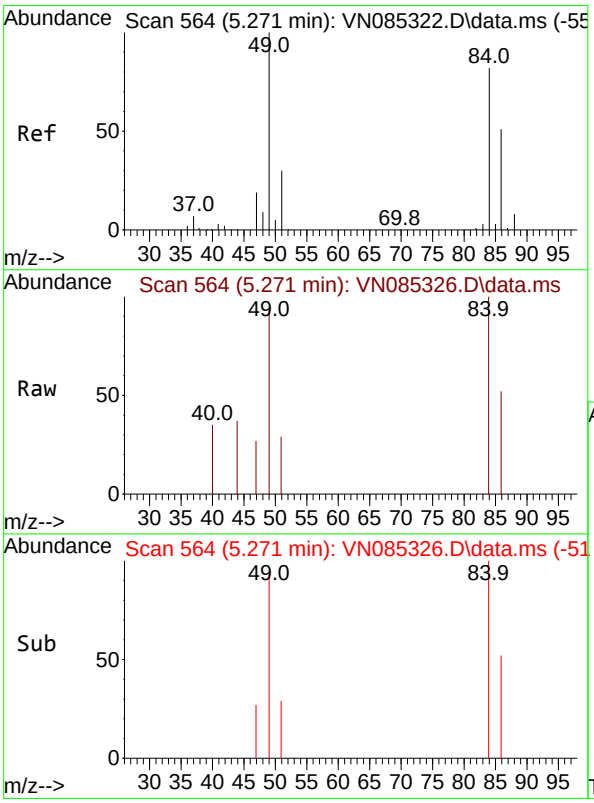
#19
Methyl tert-butyl Ether
Concen: 0.875 ug/l
RT: 5.800 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4219

Ion	Ratio	Lower	Upper
73	100		
57	27.1	17.0	25.6#

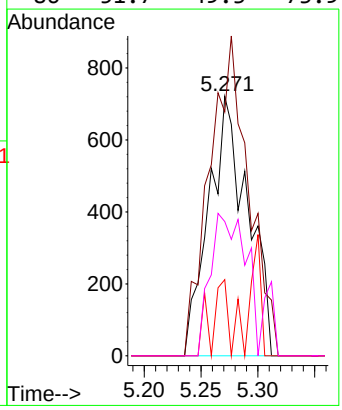


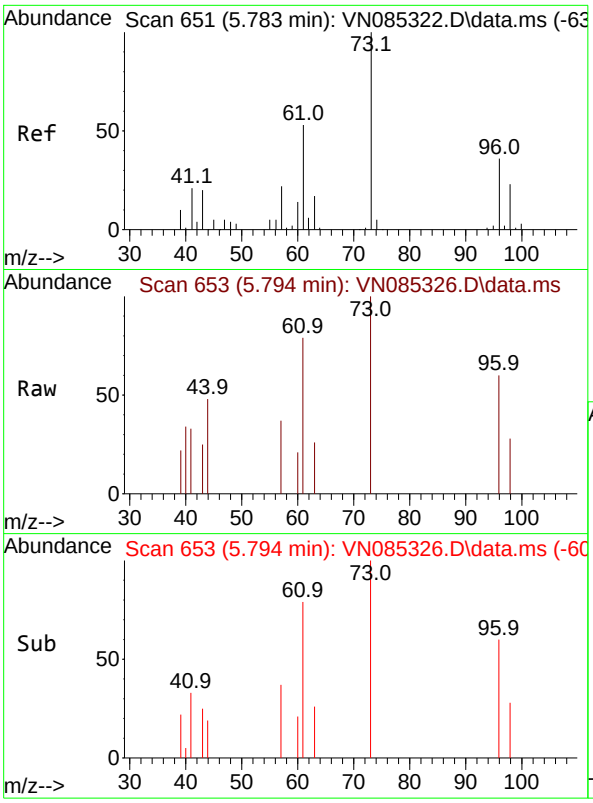


#20
Methylene Chloride
Concen: 1.023 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 84 Resp: 1722

Ion	Ratio	Lower	Upper
84	100		
49	94.0	97.6	146.4#
51	29.4	29.1	43.7
86	51.7	49.3	73.9



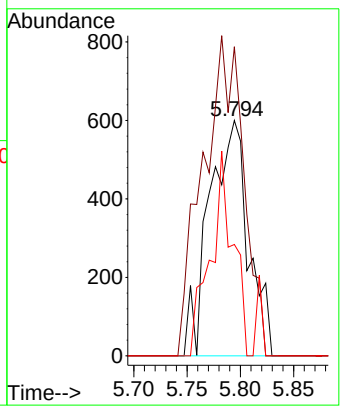


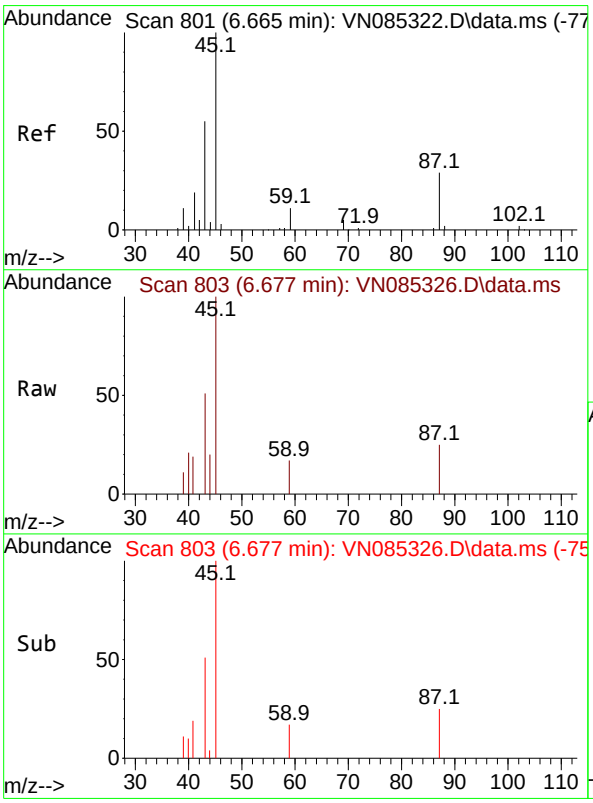
#21
trans-1,2-Dichloroethene
Concen: 0.988 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1530

Ion	Ratio	Lower	Upper
96	100		
61	131.3	118.0	177.0
98	47.3	50.6	75.8#

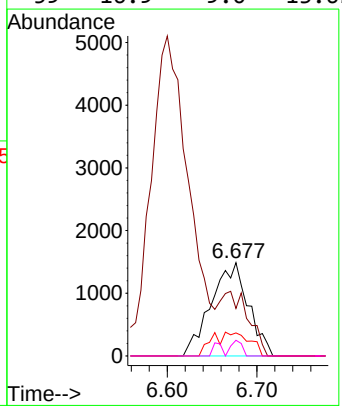


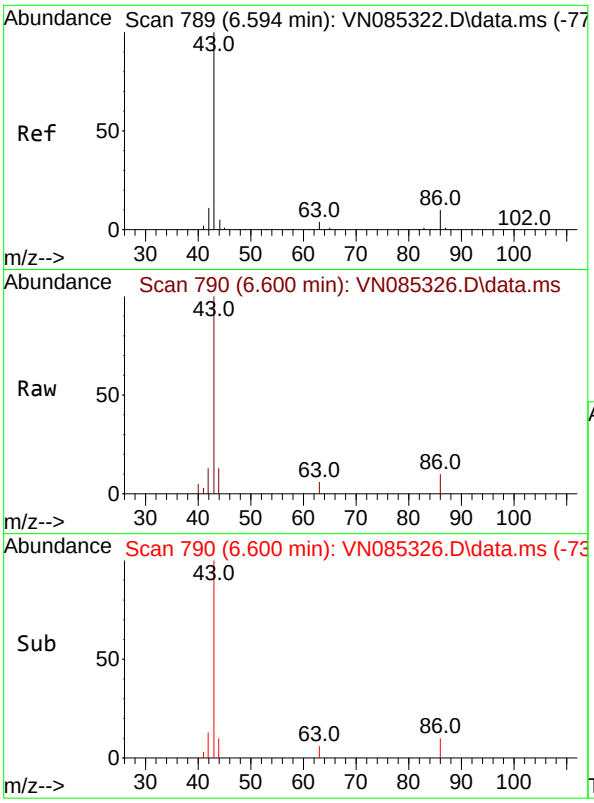


#22
Diisopropyl ether
Concen: 0.836 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 45 Resp: 4276

Ion	Ratio	Lower	Upper
45	100		
43	51.0	44.1	66.1
87	24.7	23.2	34.8
59	16.9	9.0	13.6#



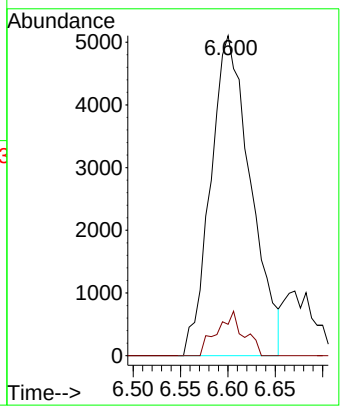


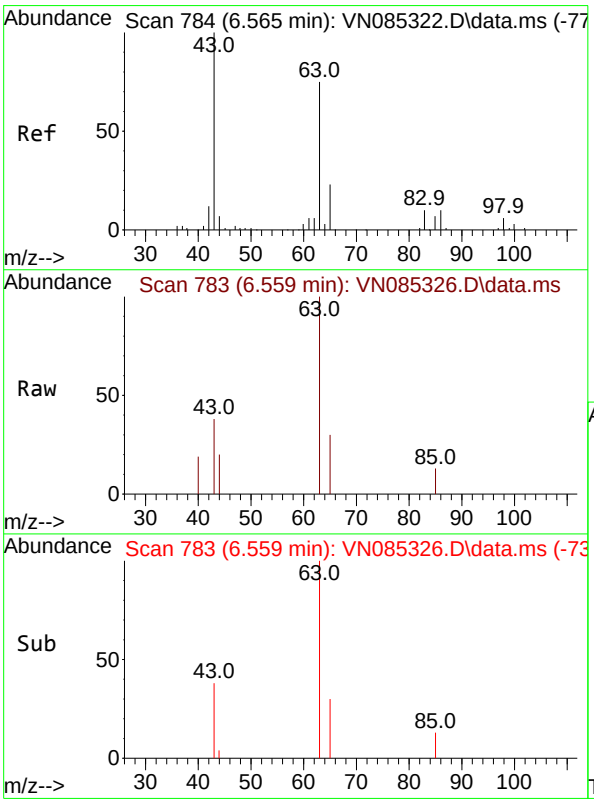
#23
Vinyl Acetate
Concen: 3.880 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15012

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.0	12.0

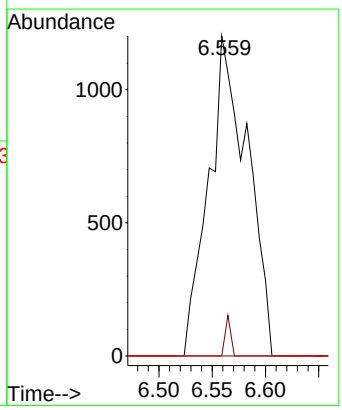


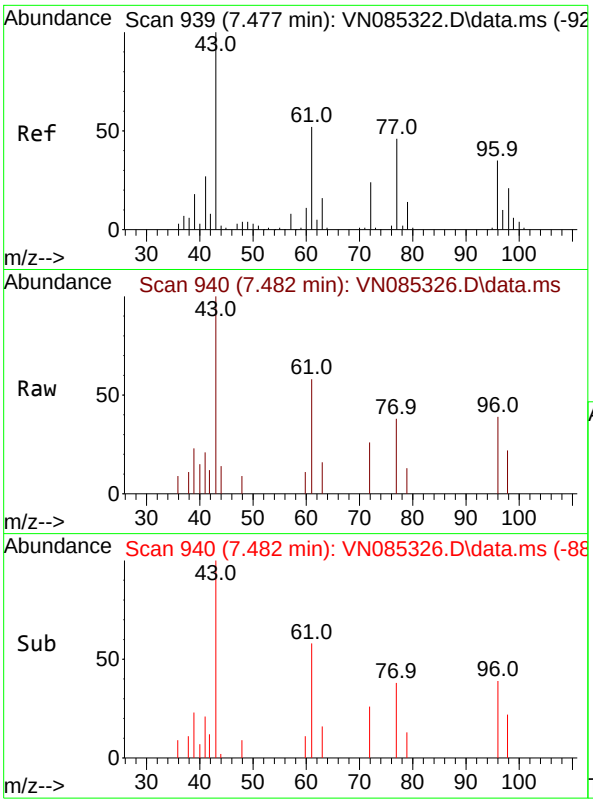


#24
1,1-Dichloroethane
Concen: 0.990 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 63 Resp: 3050

Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.7	11.1#
100	0.0	2.3	6.8#



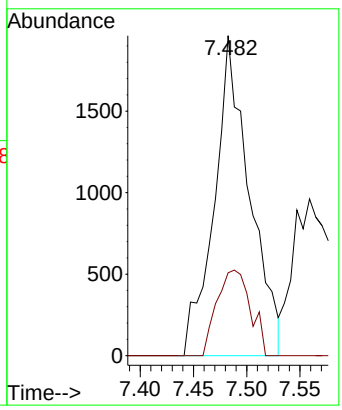


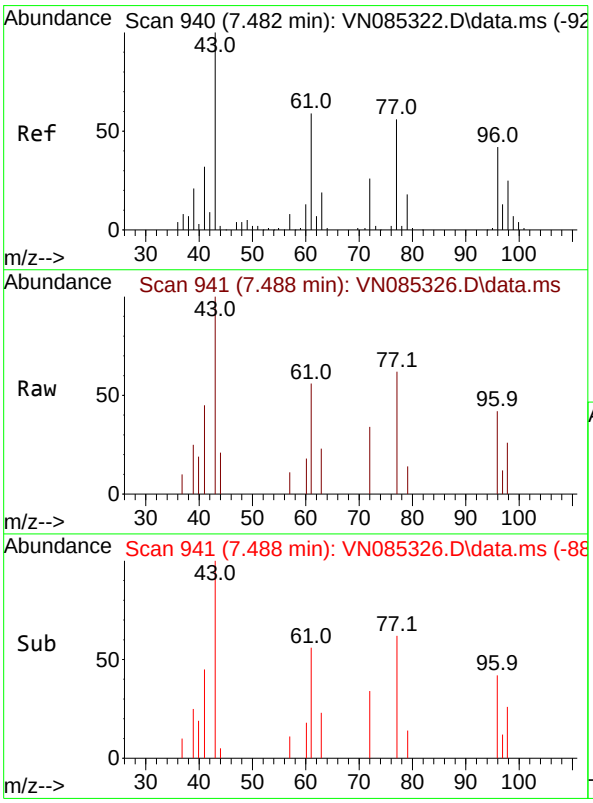
#25
2-Butanone
Concen: 4.665 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4530

Ion	Ratio	Lower	Upper
43	100		
72	25.9	19.6	29.4

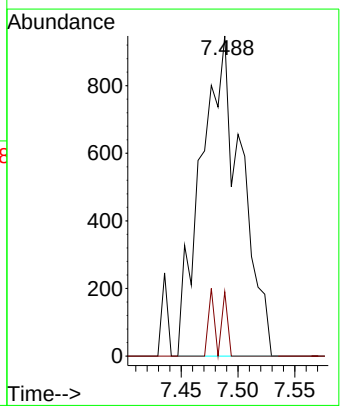


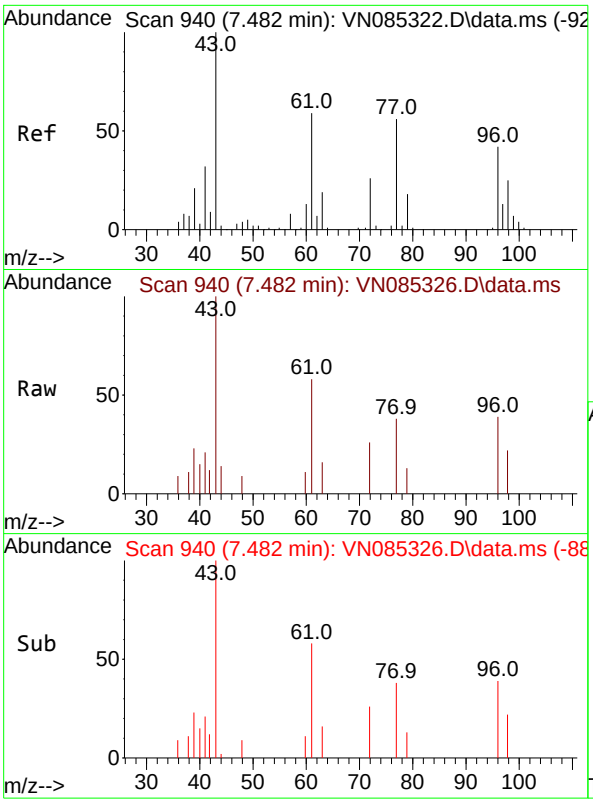


#26
2,2-Dichloropropane
Concen: 0.868 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 77 Resp: 2343

Ion	Ratio	Lower	Upper
77	100		
97	5.9	10.6	31.8#



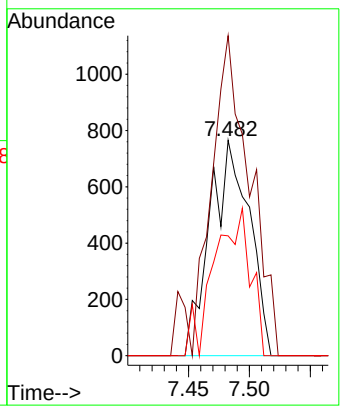


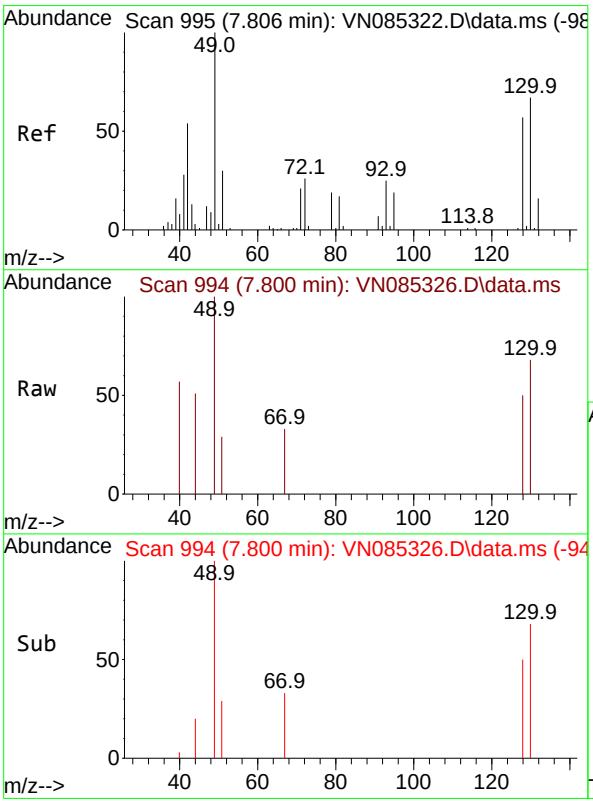
#27
cis-1,2-Dichloroethene
Concen: 0.953 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1732

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	296.4
98	62.8	0.0	124.2

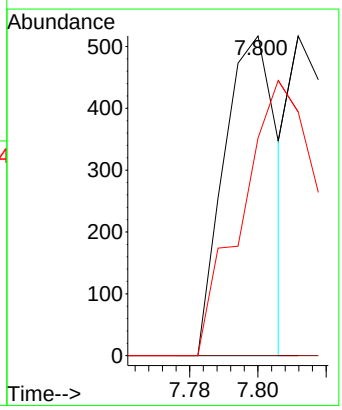


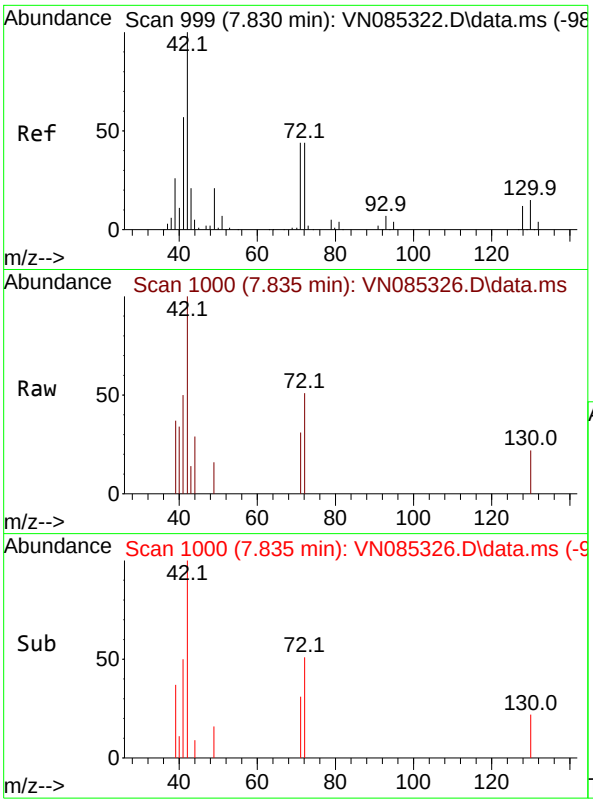


#28
Bromochloromethane
Concen: 0.393 ug/l
RT: 7.800 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 49 Resp: 562

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	159.4	0.0	0.0#



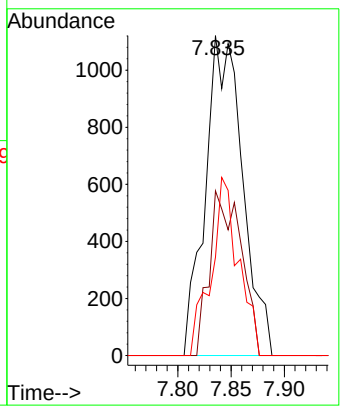


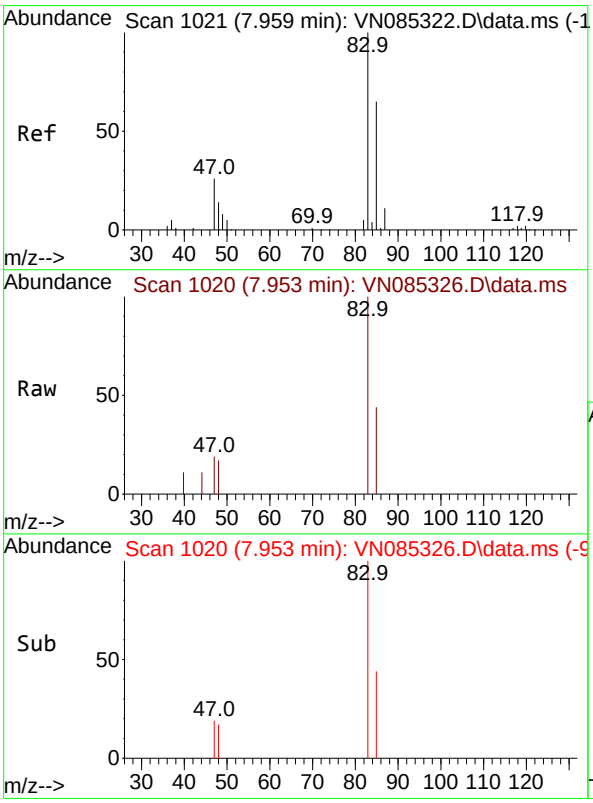
#29
Tetrahydrofuran
Concen: 4.360 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 2727

Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.1	52.7
71	41.0	33.4	50.0

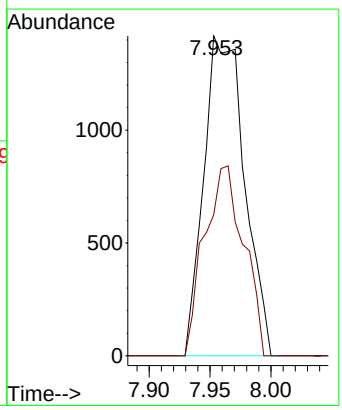


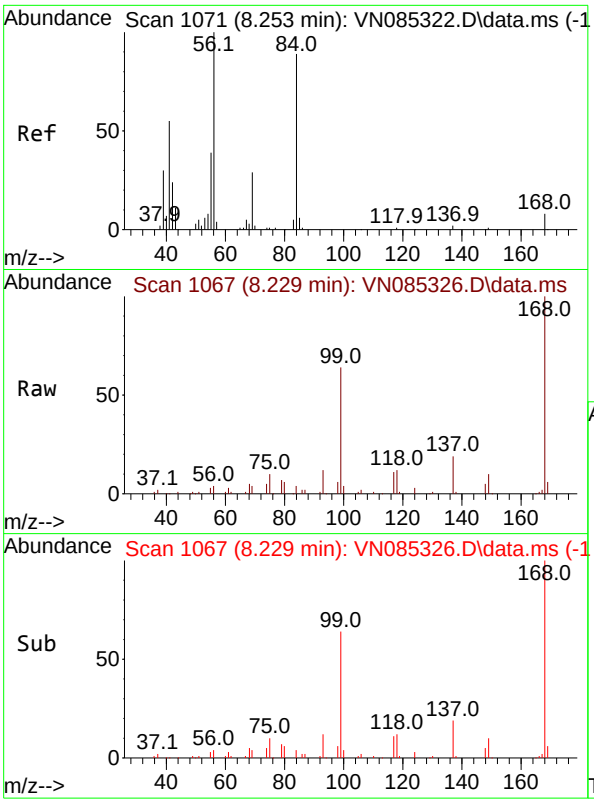


#30
Chloroform
Concen: 1.044 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 83 Resp: 3291

Ion	Ratio	Lower	Upper
83	100		
85	44.1	52.0	78.0#



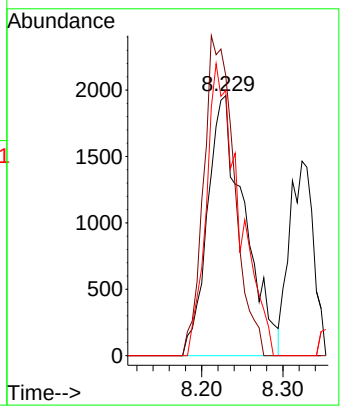


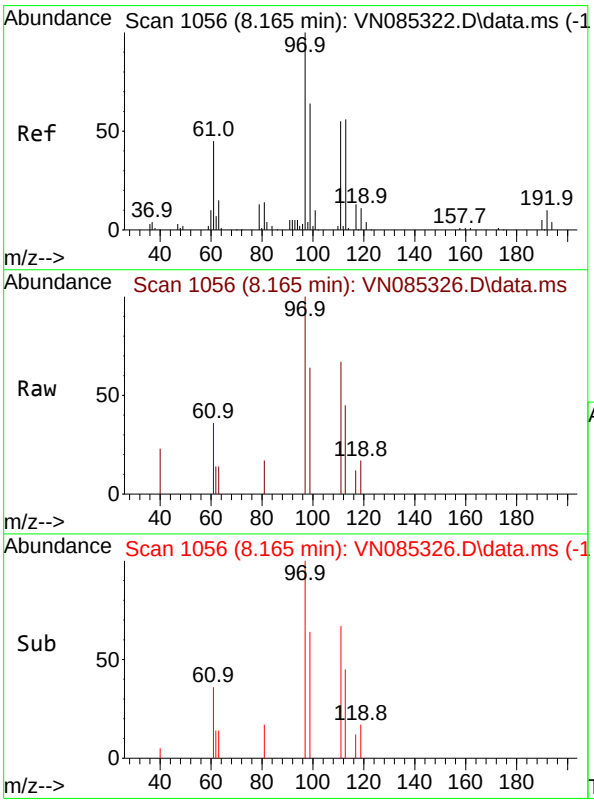
#31
Cyclohexane
Concen: 2.211 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.024 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 6220

Ion	Ratio	Lower	Upper
56	100		
69	107.8	23.4	35.0#
84	102.0	71.0	106.6

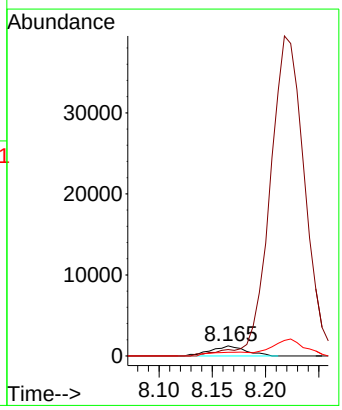


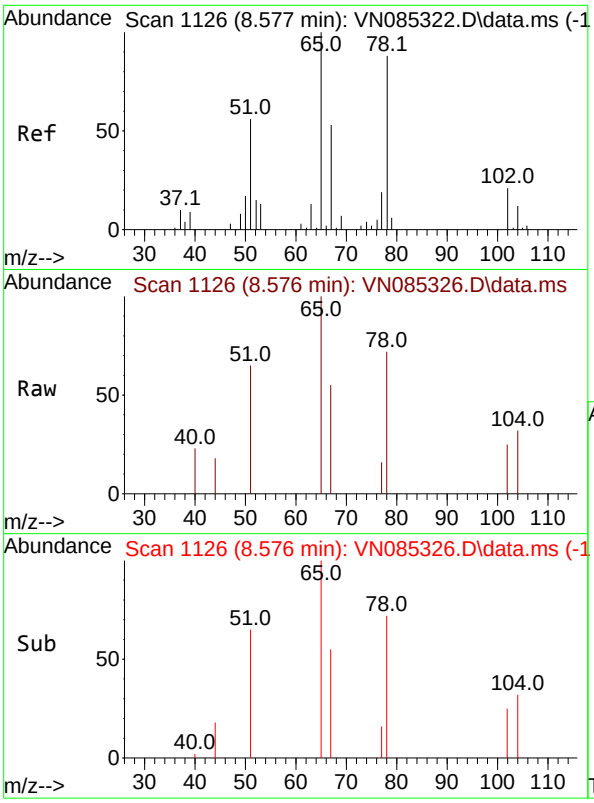


#32
1,1,1-Trichloroethane
Concen: 1.001 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 97 Resp: 2817

Ion	Ratio	Lower	Upper
97	100		
99	0.0	53.3	79.9#
61	45.7	39.6	59.4



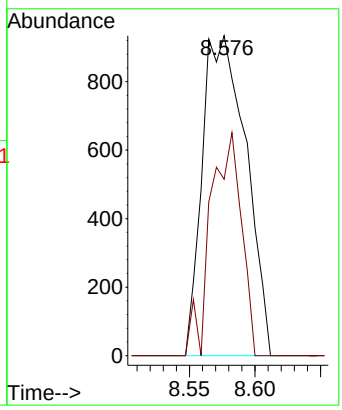


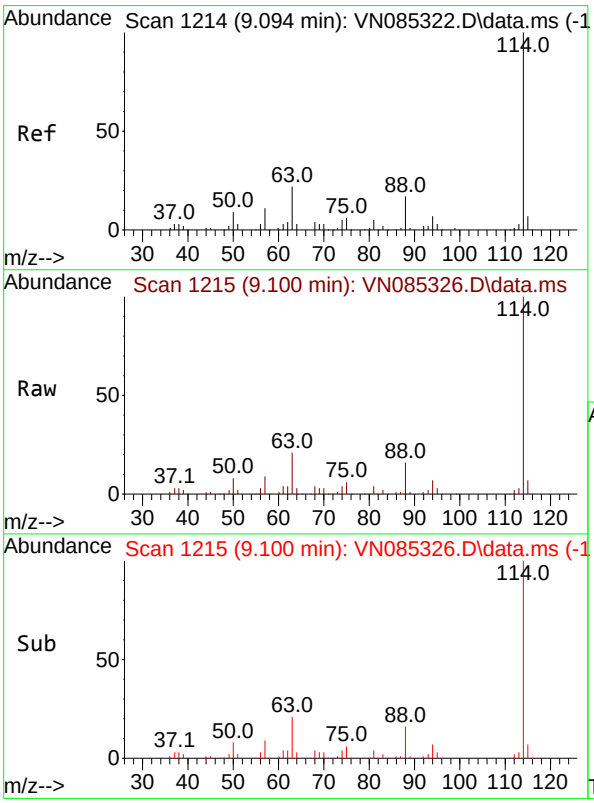
#33
1,2-Dichloroethane-d4
Concen: 1.136 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2162

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	104.0

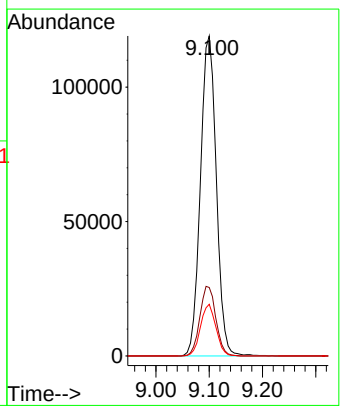


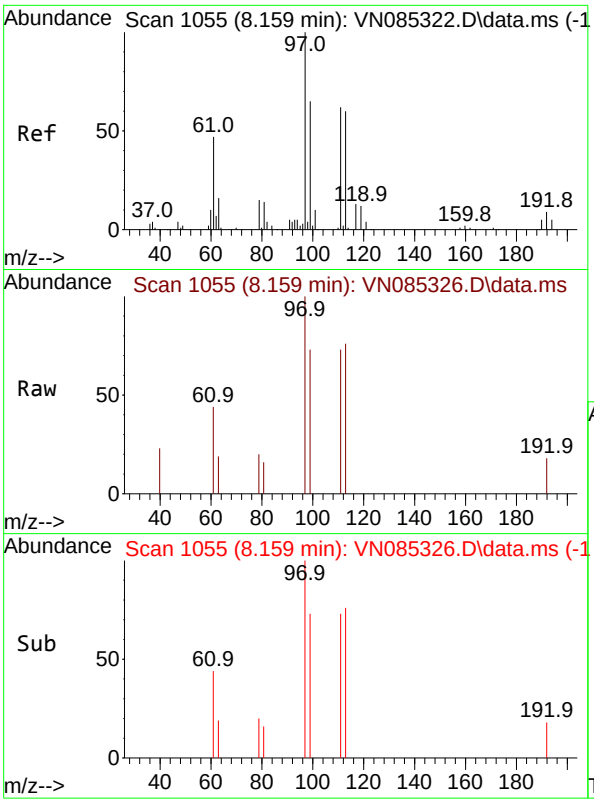


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:114 Resp: 246776

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.4
88	16.1	0.0	33.6



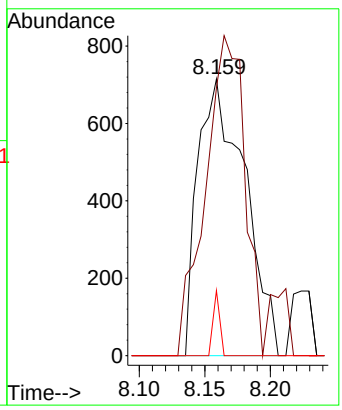


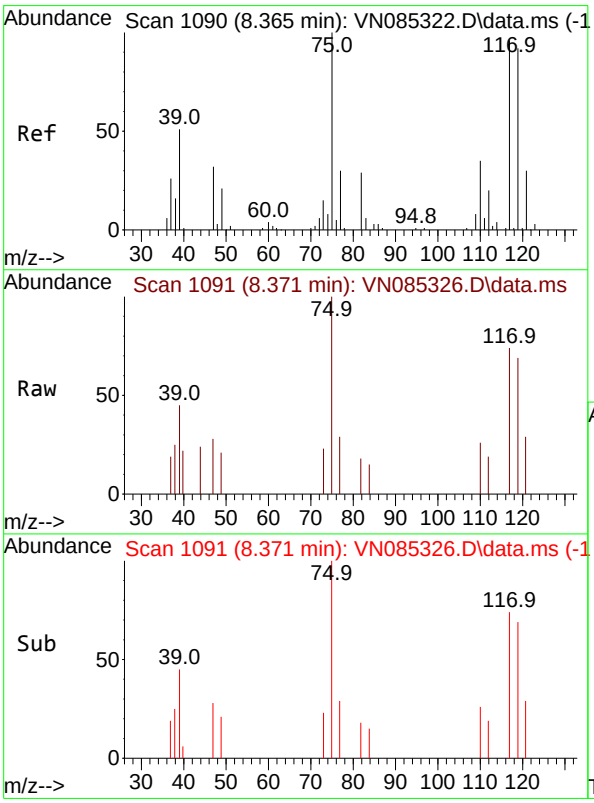
#35
Dibromofluoromethane
Concen: 1.154 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1776

Ion	Ratio	Lower	Upper
113	100		
111	97.2	80.5	120.7
192	3.3	12.9	19.3#

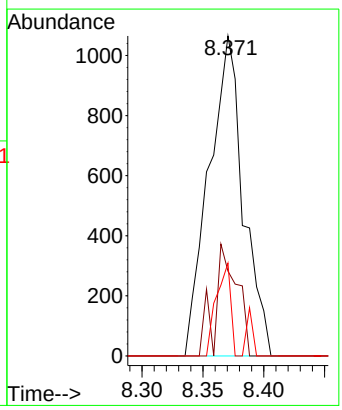


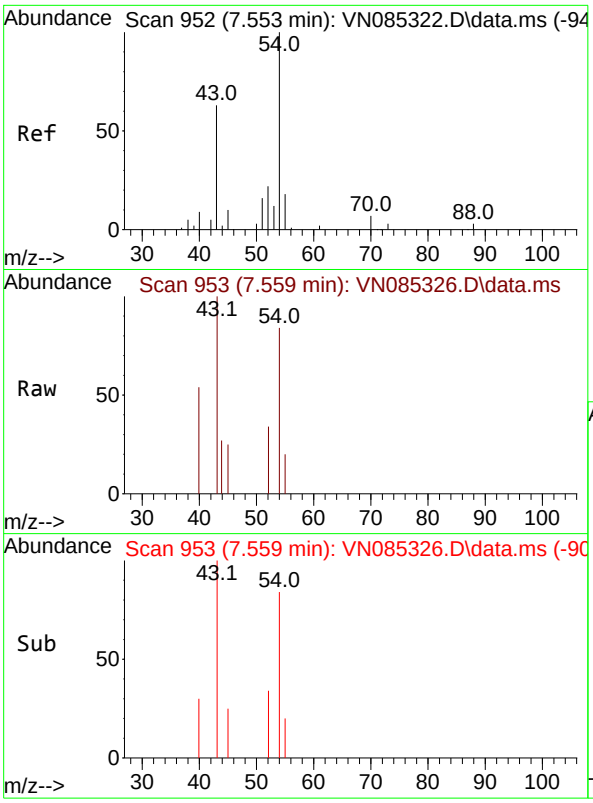


#36
1,1-Dichloropropene
Concen: 0.929 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 2094

Ion	Ratio	Lower	Upper
75	100		
110	22.7	16.6	49.8
77	12.1	24.3	36.5#



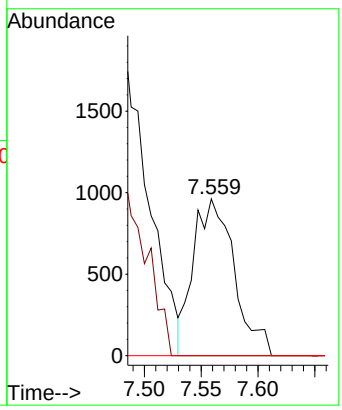


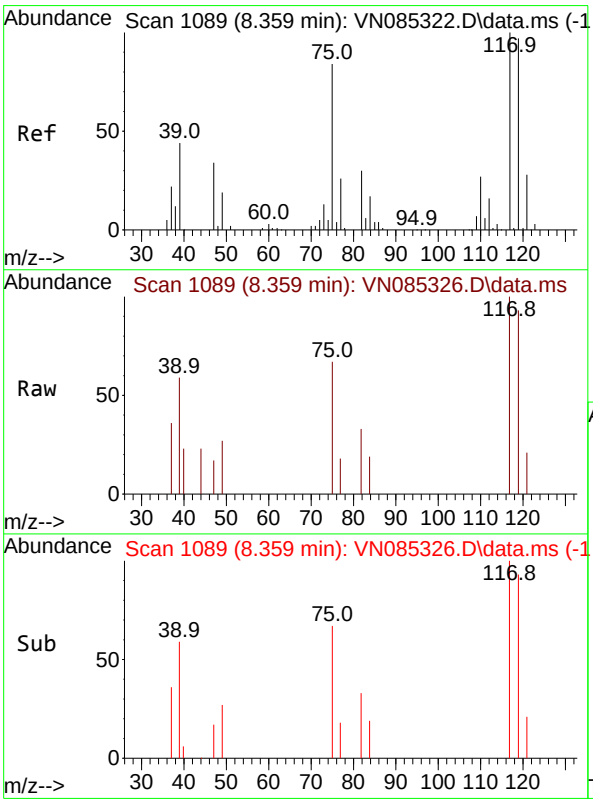
#37
Ethyl Acetate
Concen: 1.071 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2400

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	0.0	8.2	12.2#

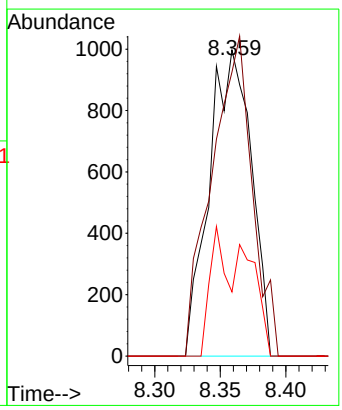


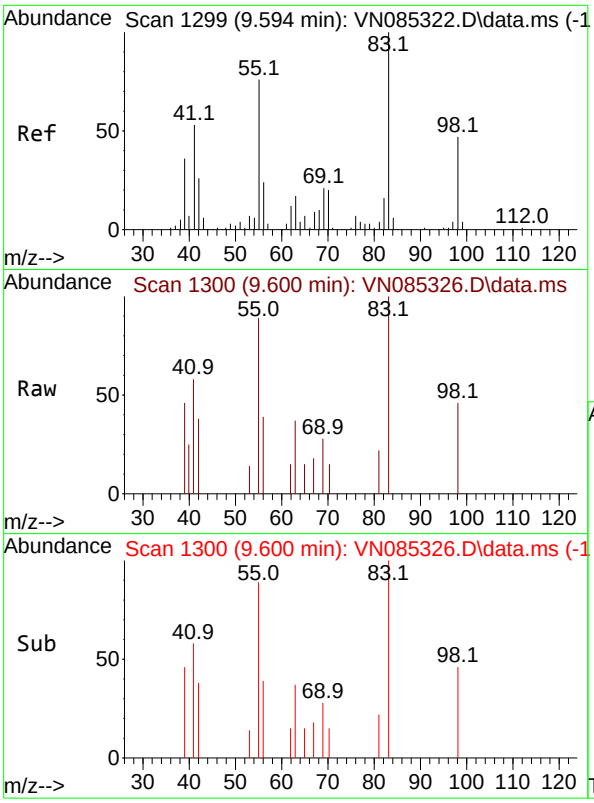


#38
Carbon Tetrachloride
Concen: 0.908 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:117 Resp: 2232

Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.8	116.6
121	21.0	22.5	33.7#



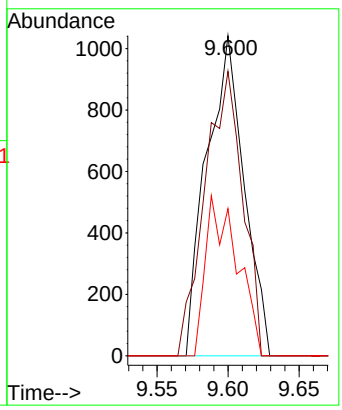


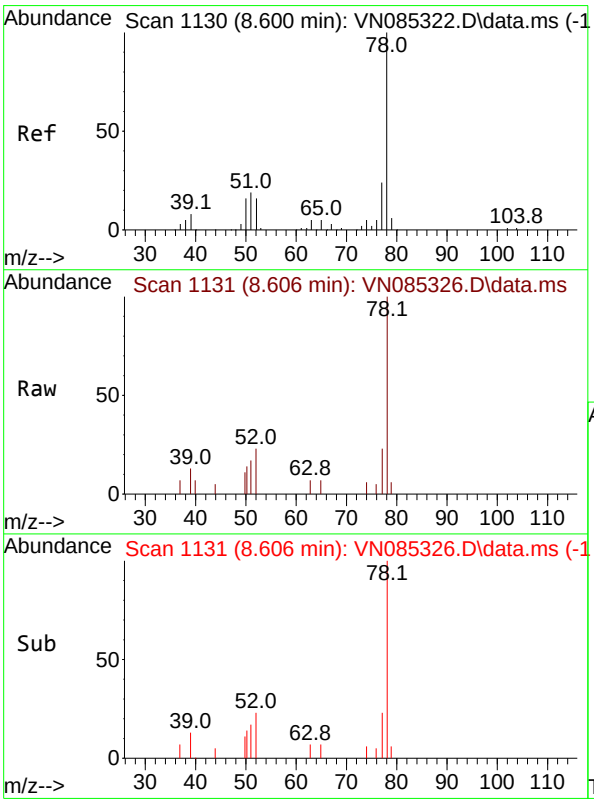
#39
Methylcyclohexane
Concen: 0.817 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1910

Ion	Ratio	Lower	Upper
83	100		
55	88.9	60.7	91.1
98	46.0	37.7	56.5

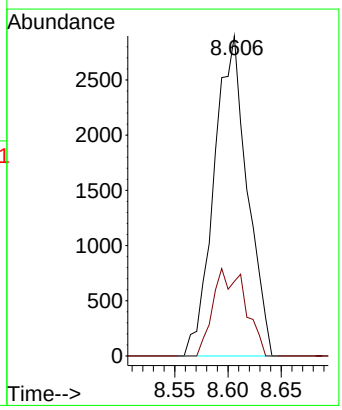


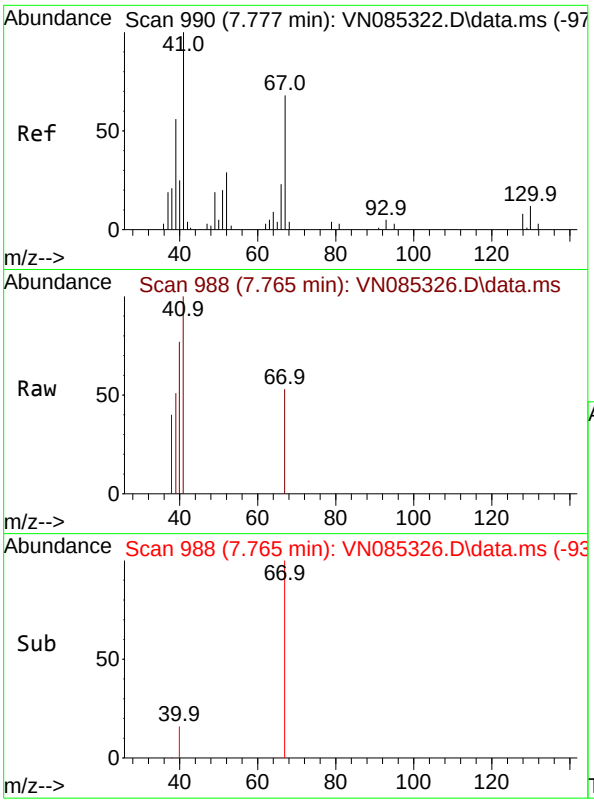


#40
Benzene
Concen: 0.922 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 78 Resp: 6282

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4



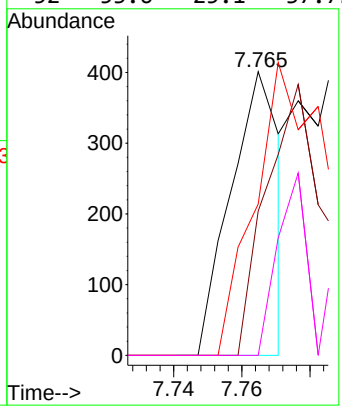


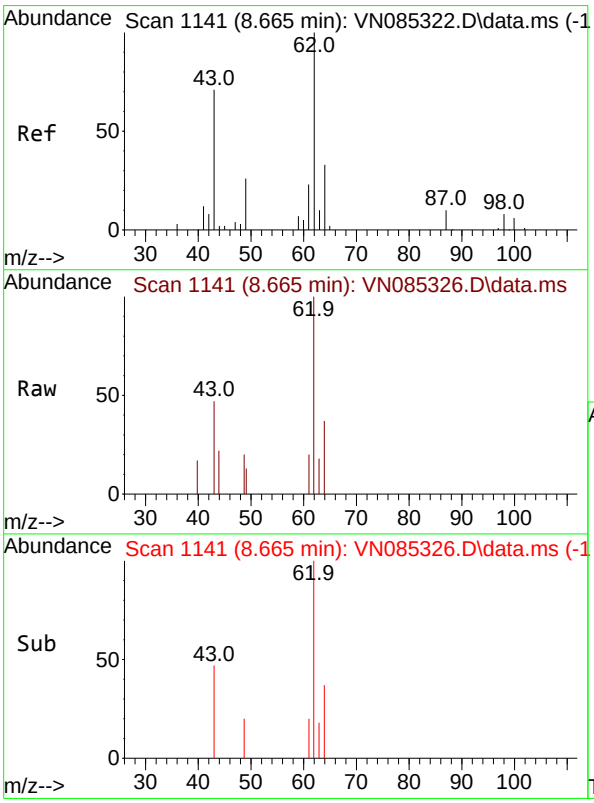
#41
Methacrylonitrile
Concen: 0.353 ug/l
RT: 7.765 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 405

Ion	Ratio	Lower	Upper
41	100		
39	129.6	45.8	68.8#
67	173.3	57.1	85.7#
52	53.6	25.1	37.7#

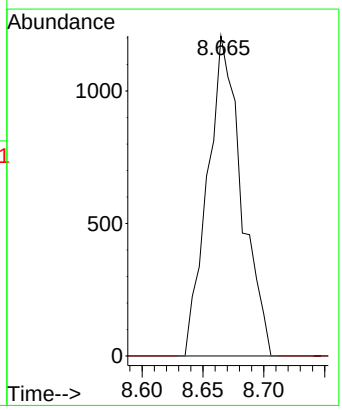


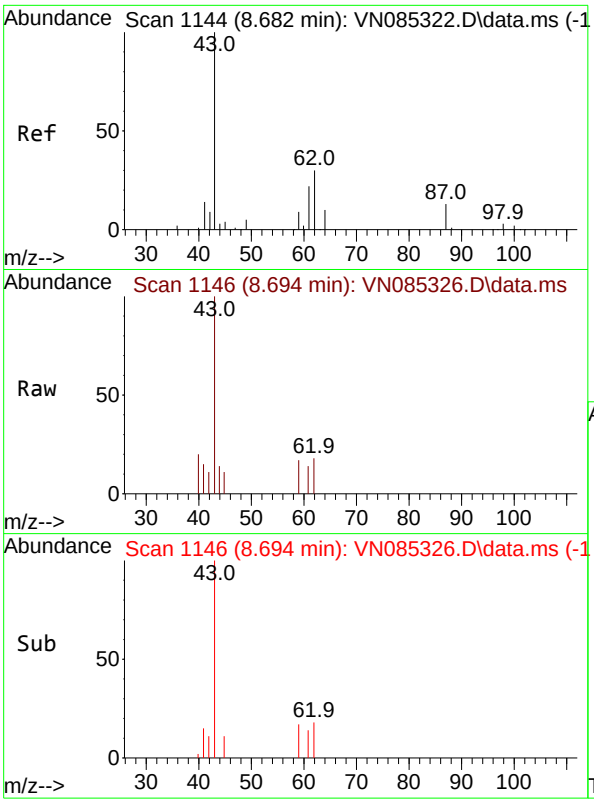


#42
1,2-Dichloroethane
Concen: 0.960 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 62 Resp: 2346

Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.6



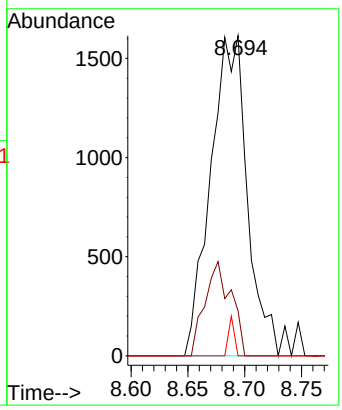


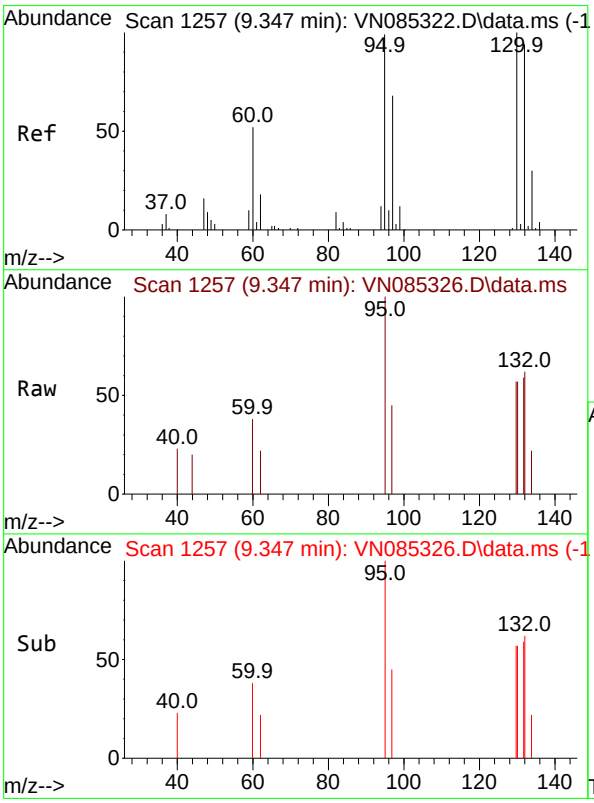
#43
Isopropyl Acetate
Concen: 0.980 ug/l
RT: 8.694 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3615

Ion	Ratio	Lower	Upper
43	100		
61	21.1	20.8	31.2
87	2.0	10.2	15.4#

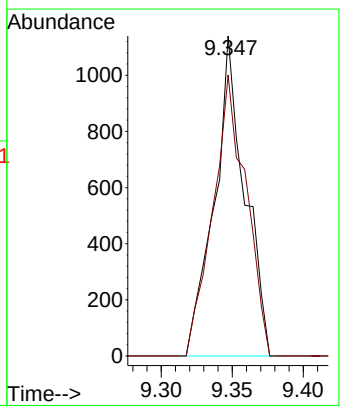


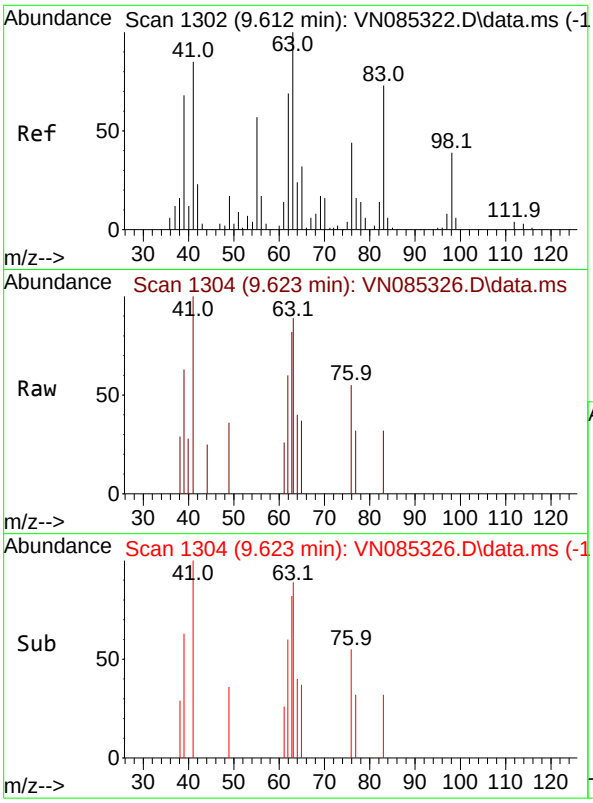


#44
Trichloroethene
Concen: 1.051 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:130 Resp: 1696

Ion	Ratio	Lower	Upper
130	100		
95	87.8	0.0	197.8



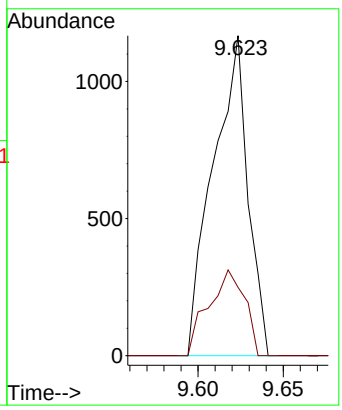


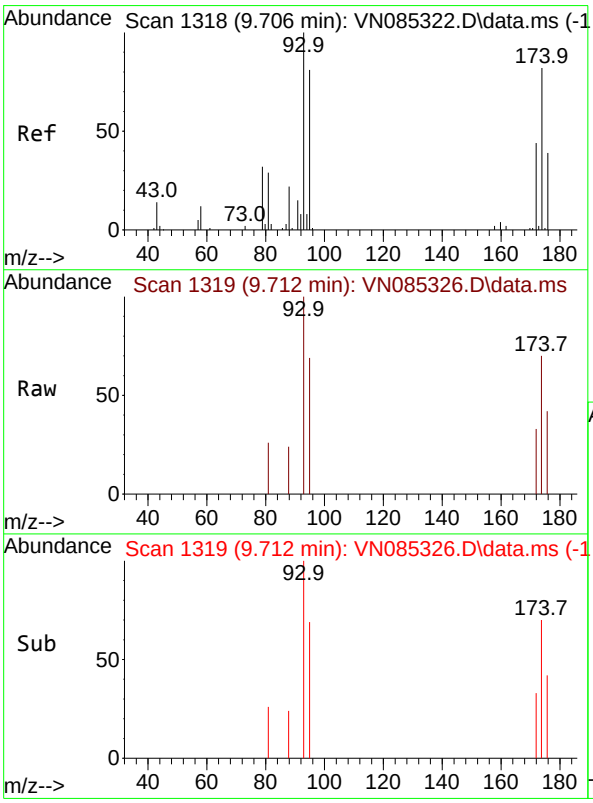
#45
1,2-Dichloropropane
Concen: 0.958 ug/l
RT: 9.623 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1658

Ion	Ratio	Lower	Upper
63	100		
65	21.3	25.5	38.3#

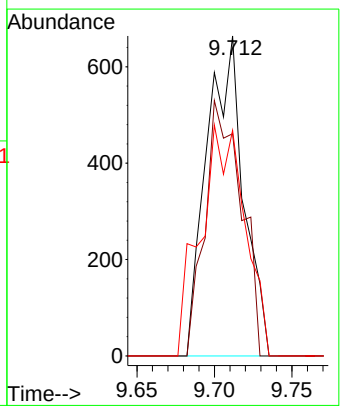


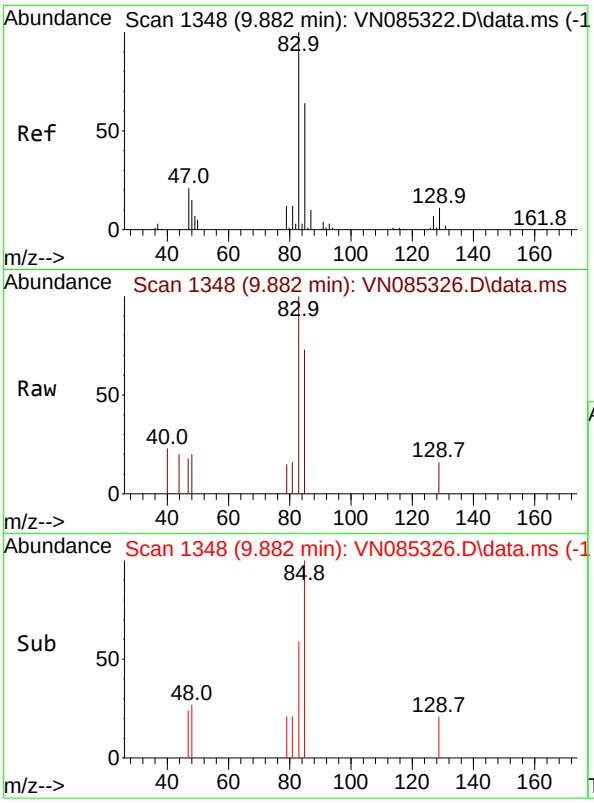


#46
Dibromomethane
Concen: 0.908 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 93 Resp: 1092

Ion	Ratio	Lower	Upper
93	100		
95	78.9	65.3	97.9
174	87.5	66.4	99.6



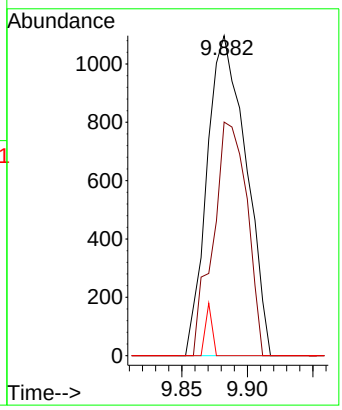


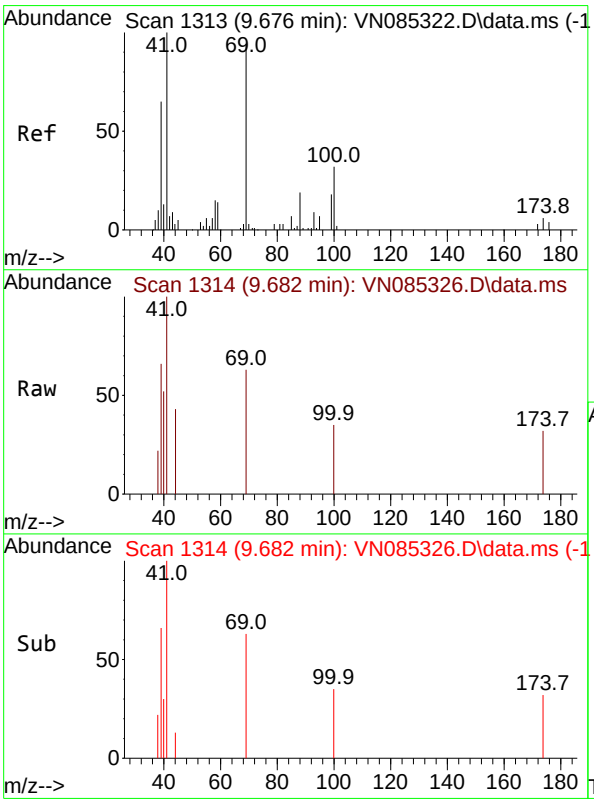
#47
Bromodichloromethane
Concen: 0.906 ug/l
RT: 9.882 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2265

Ion	Ratio	Lower	Upper
83	100		
85	73.0	51.0	76.4
127	0.0	5.8	8.6#

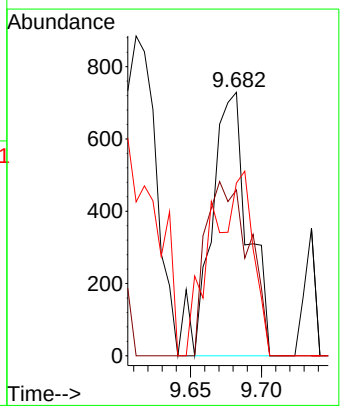


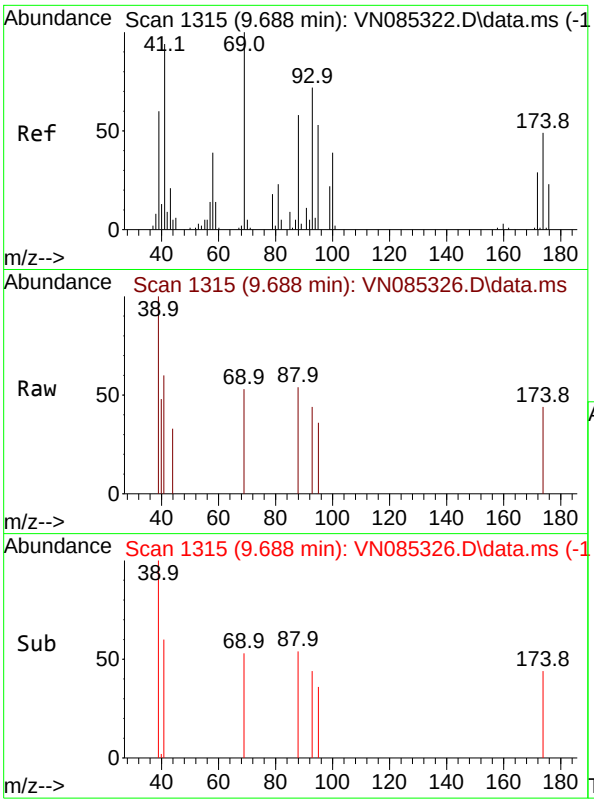


#48
Methyl methacrylate
Concen: 0.824 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 41 Resp: 1319

Ion	Ratio	Lower	Upper
41	100		
69	77.6	67.7	101.5
39	78.5	51.2	76.8#



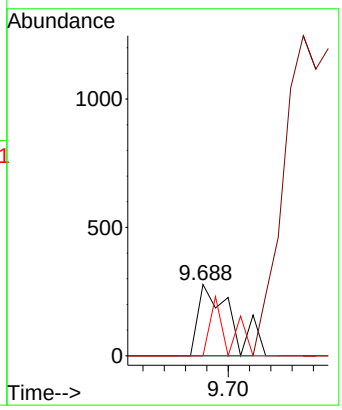


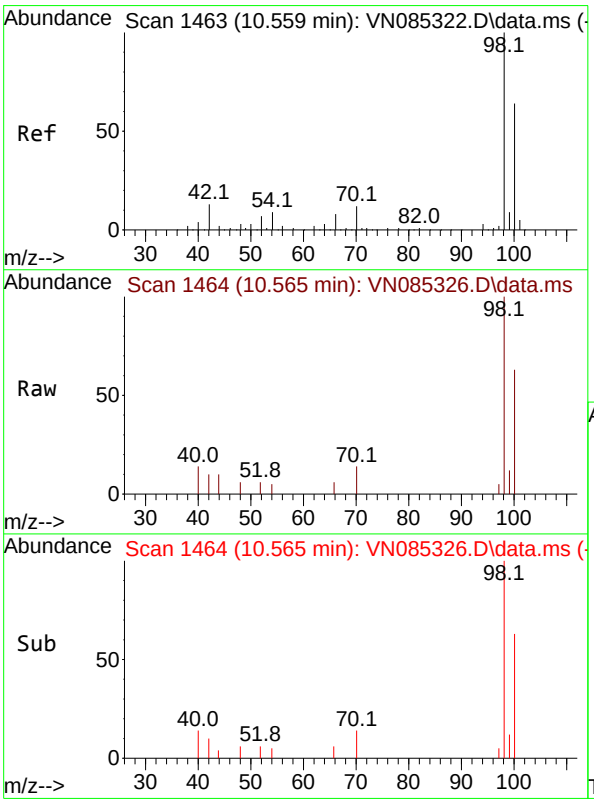
#49
1,4-Dioxane
Concen: 12.421 ug/l
RT: 9.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 300

Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.1	33.1#
58	45.3	56.7	85.1#

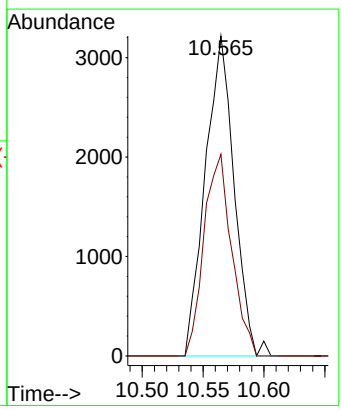


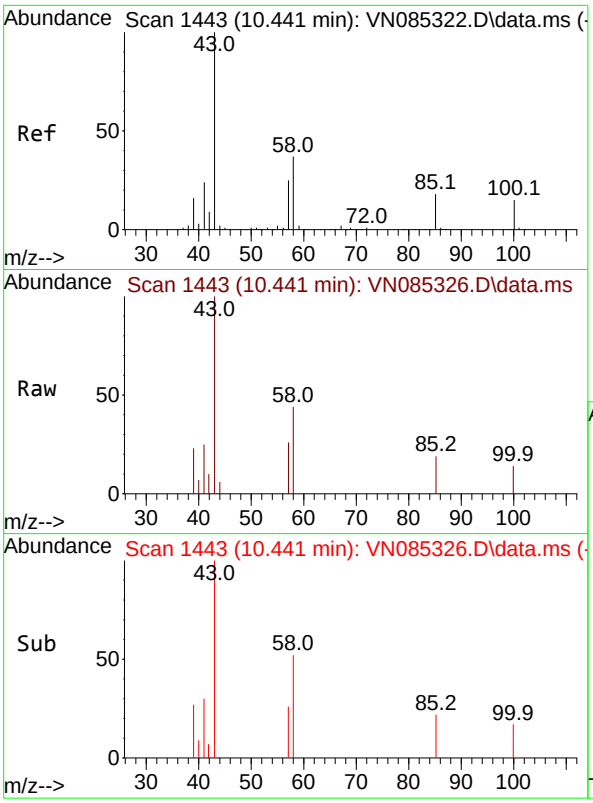


#50
Toluene-d8
Concen: 0.937 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 98 Resp: 5291

Ion	Ratio	Lower	Upper
98	100		
100	60.5	51.5	77.3



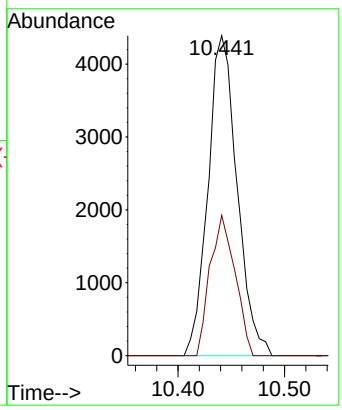


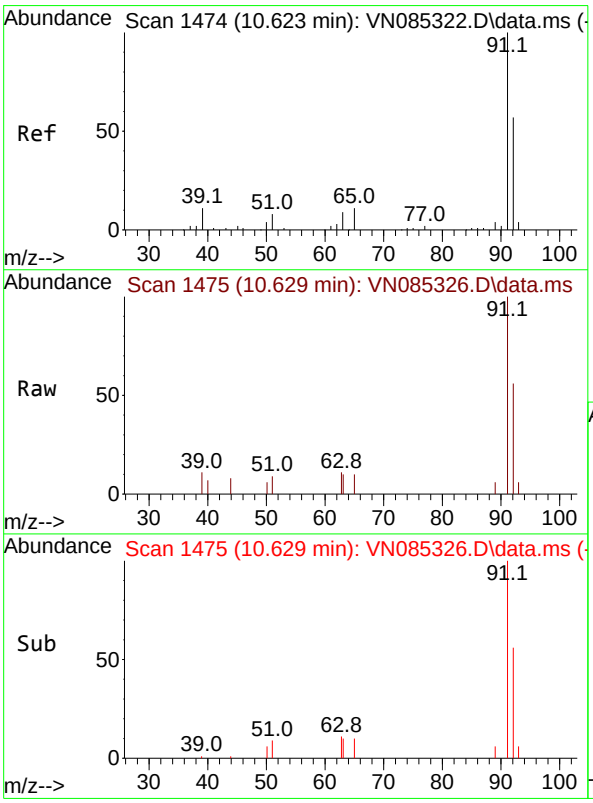
#51
4-Methyl-2-Pentanone
Concen: 4.021 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 8337

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

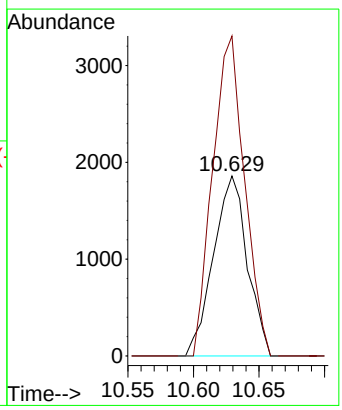


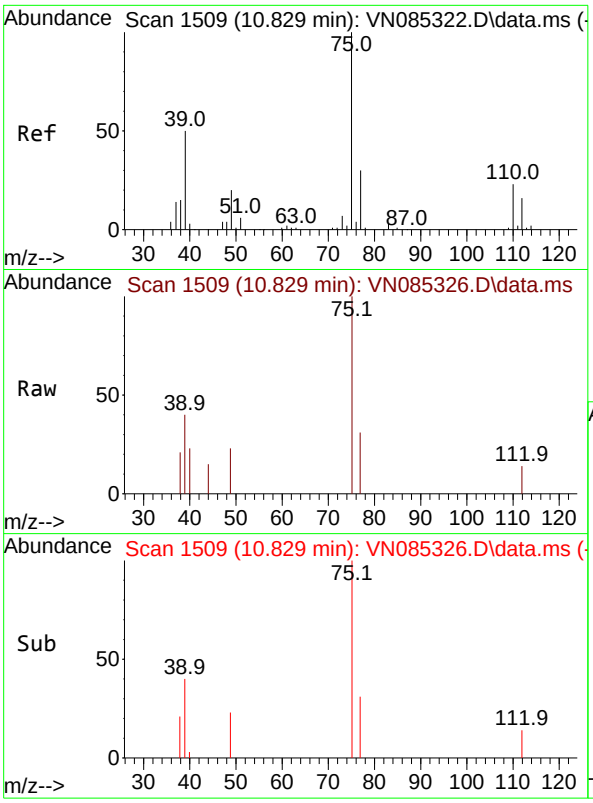


#52
Toluene
Concen: 0.820 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 92 Resp: 3329

Ion	Ratio	Lower	Upper
92	100		
91	168.0	140.2	210.4



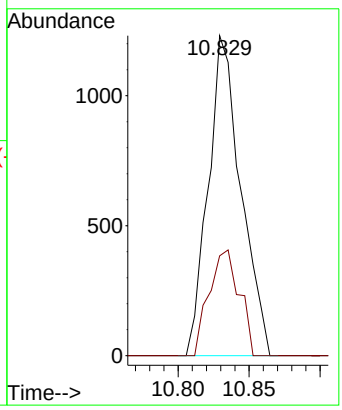


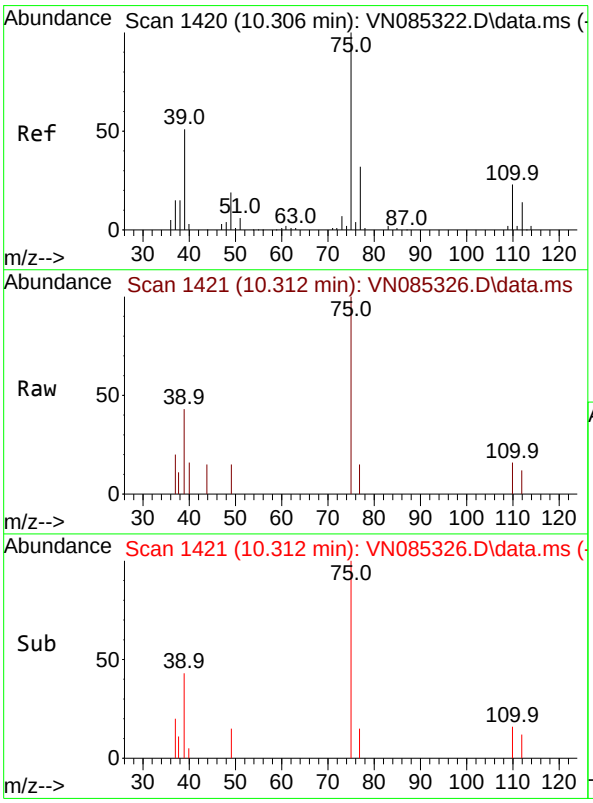
#53
t-1,3-Dichloropropene
Concen: 0.799 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1964

Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.8	35.6

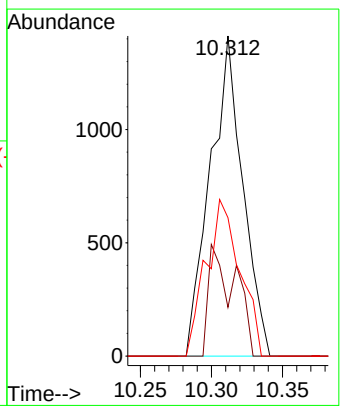


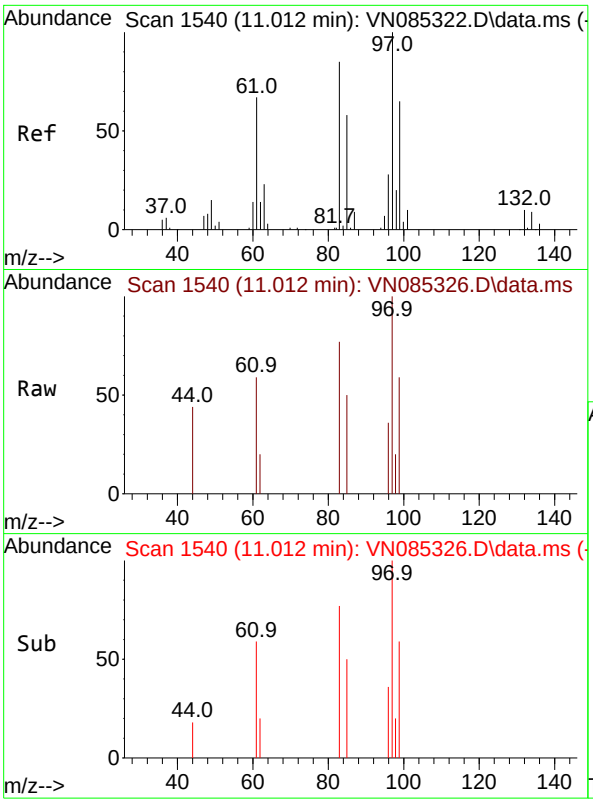


#54
cis-1,3-Dichloropropene
Concen: 0.848 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 2254

Ion	Ratio	Lower	Upper
75	100		
77	15.2	25.5	38.3#
39	43.2	40.5	60.7



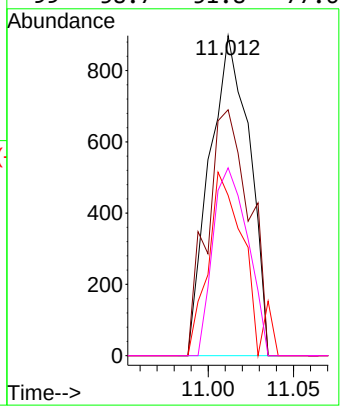


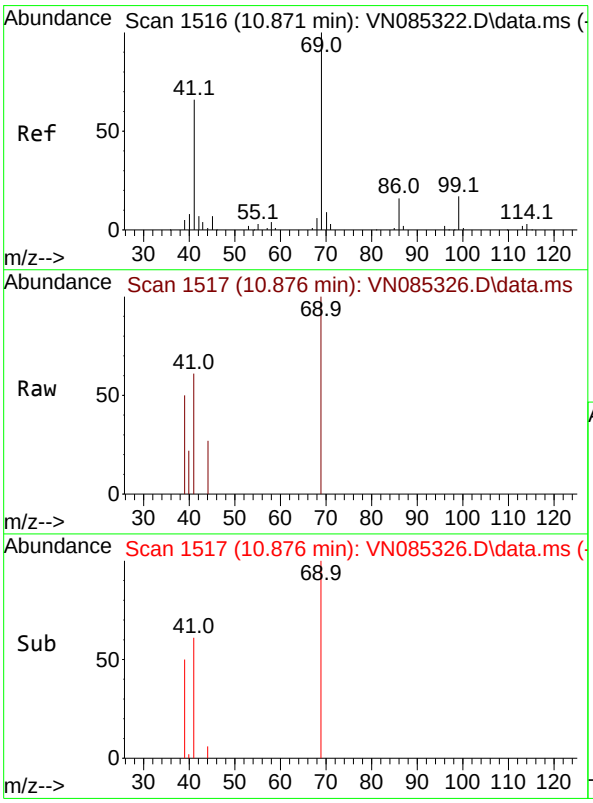
#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1466

Ion	Ratio	Lower	Upper
97	100		
83	76.8	67.7	101.5
85	50.1	46.2	69.4
99	58.7	51.8	77.6

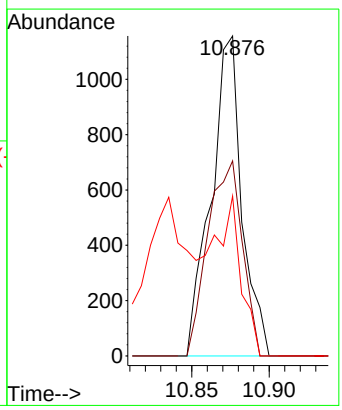


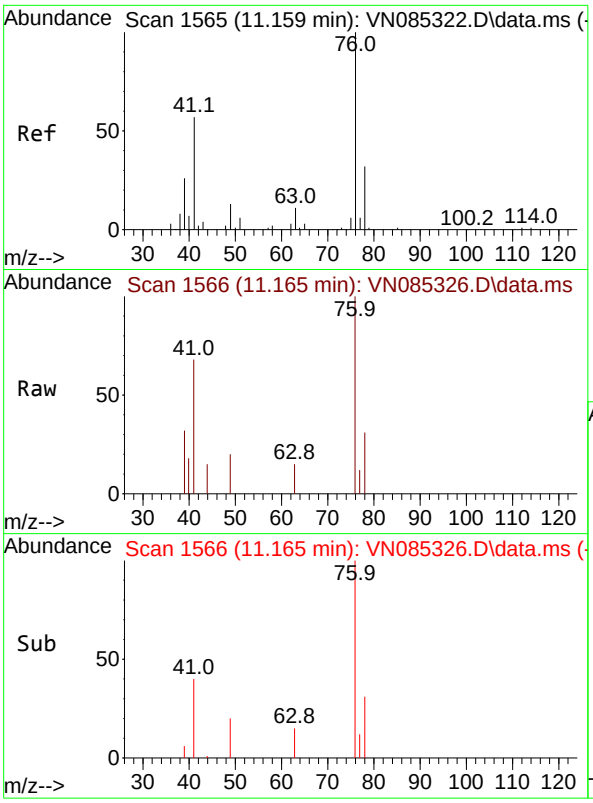


#56
Ethyl methacrylate
Concen: 0.717 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 69 Resp: 1600

Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.3	81.5
39	39.8	32.0	48.0



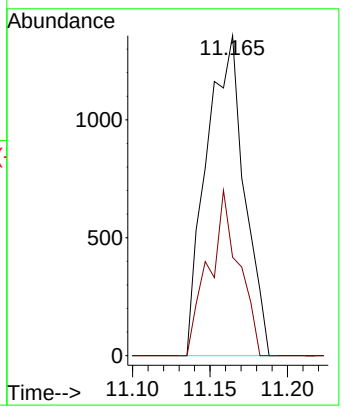


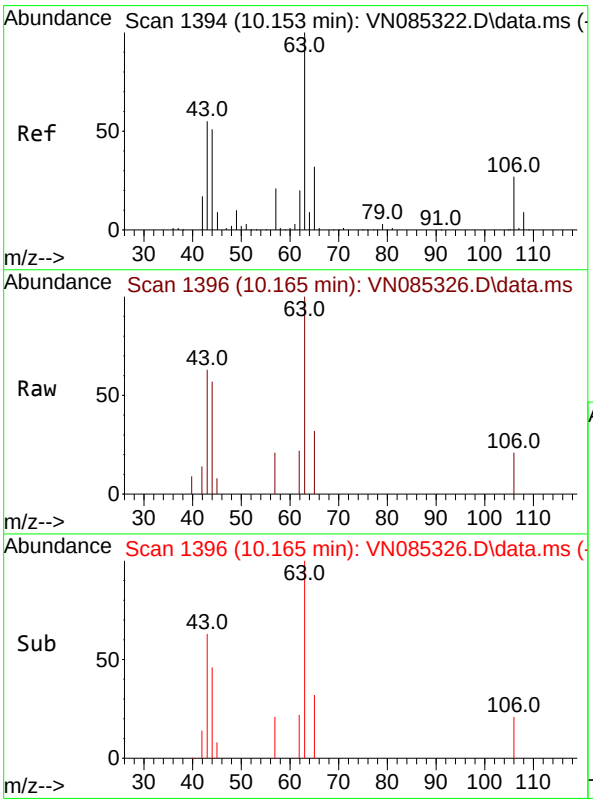
#57
1,3-Dichloropropane
Concen: 0.858 ug/l
RT: 11.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2306

Ion	Ratio	Lower	Upper
76	100		
78	40.8	25.5	38.3#

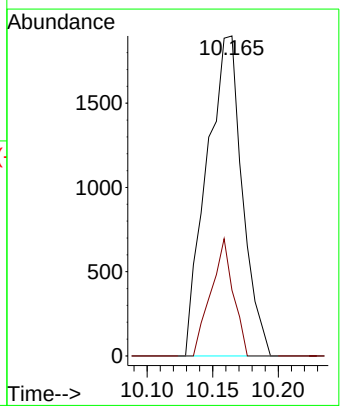


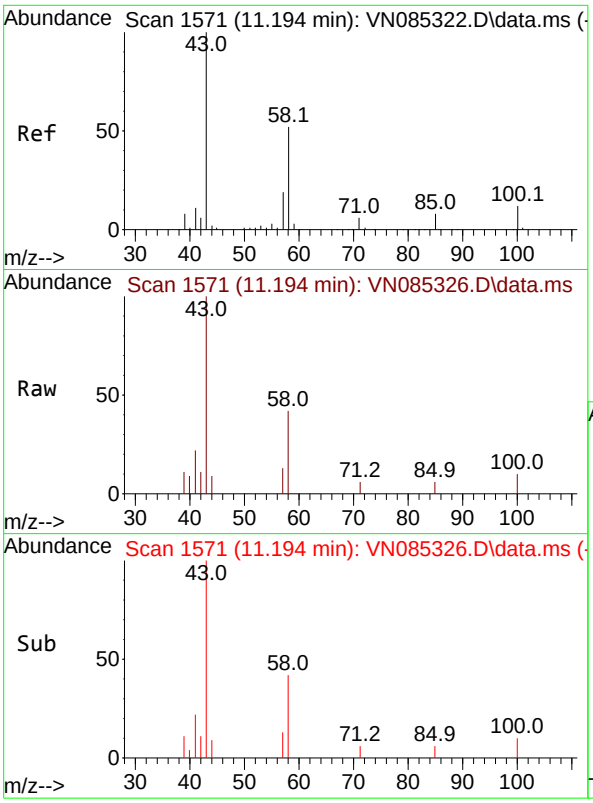


#58
2-Chloroethyl Vinyl ether
Concen: 3.321 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 63 Resp: 3585

Ion	Ratio	Lower	Upper
63	100		
106	23.0	22.1	33.1



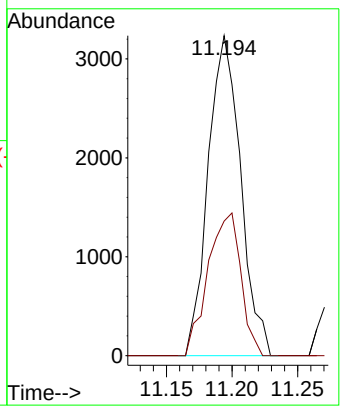


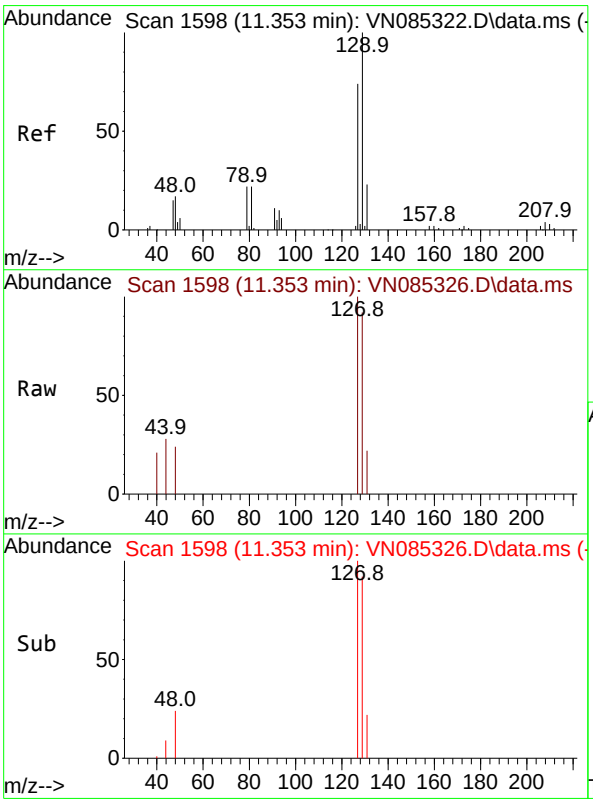
#59
2-Hexanone
Concen: 3.877 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5577

Ion	Ratio	Lower	Upper
43	100		
58	45.0	26.5	79.5

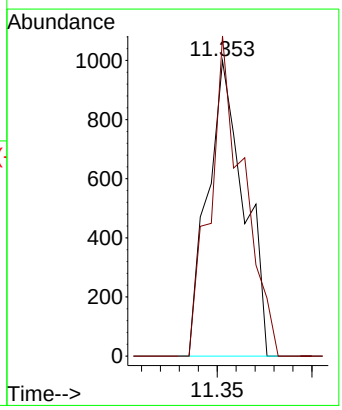


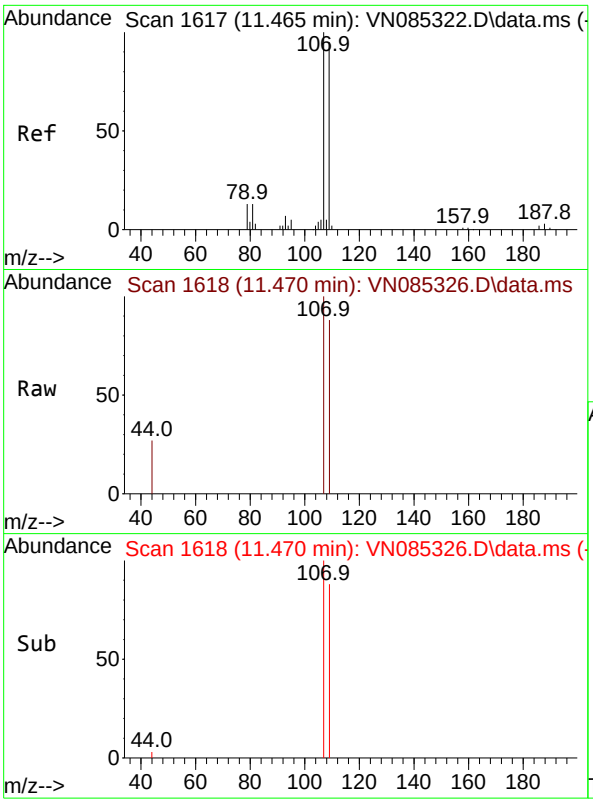


#60
Dibromochloromethane
Concen: 0.770 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:129 Resp: 1329

Ion	Ratio	Lower	Upper
129	100		
127	100.5	38.3	114.9



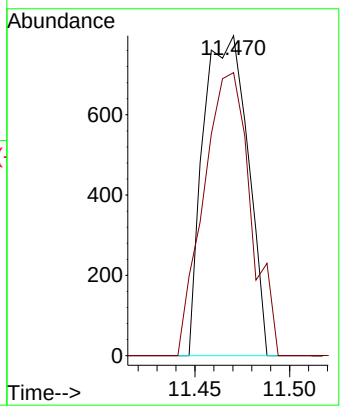


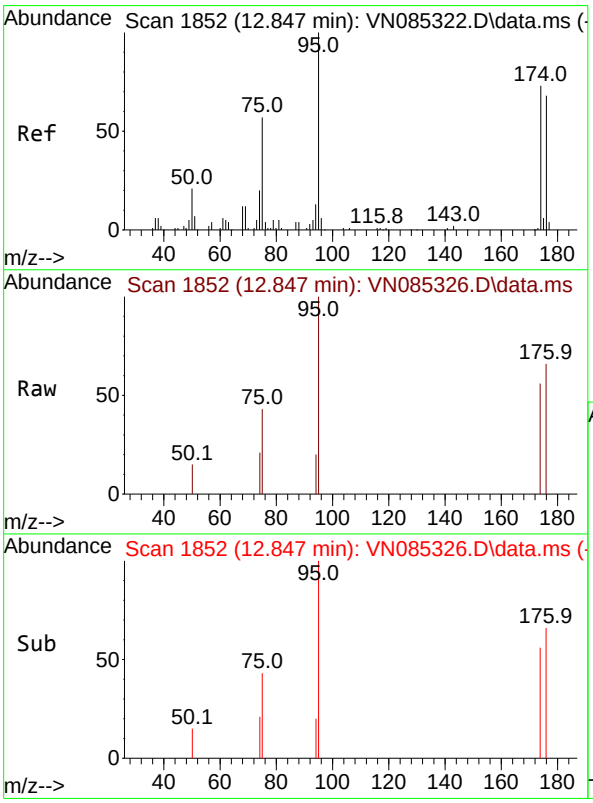
#61
1,2-Dibromoethane
Concen: 0.856 ug/l
RT: 11.470 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1298

Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3

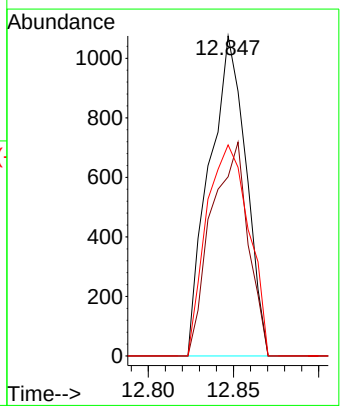


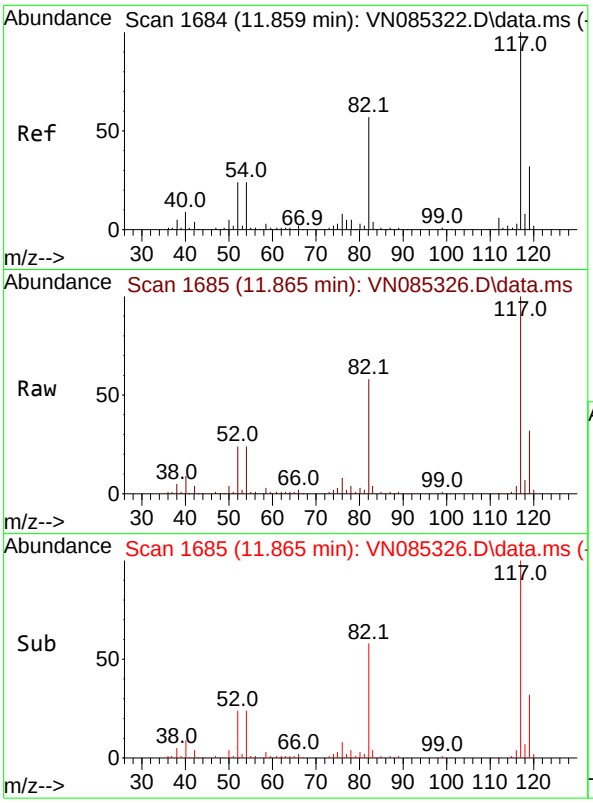


#62
4-Bromofluorobenzene
Concen: 0.857 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 95 Resp: 1608

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	143.2
176	76.4	0.0	135.8



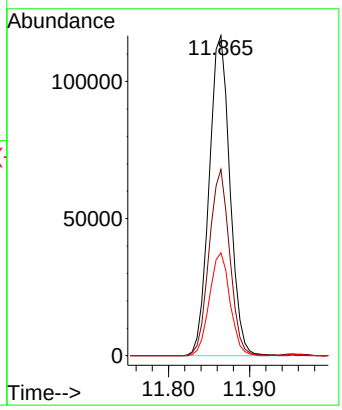


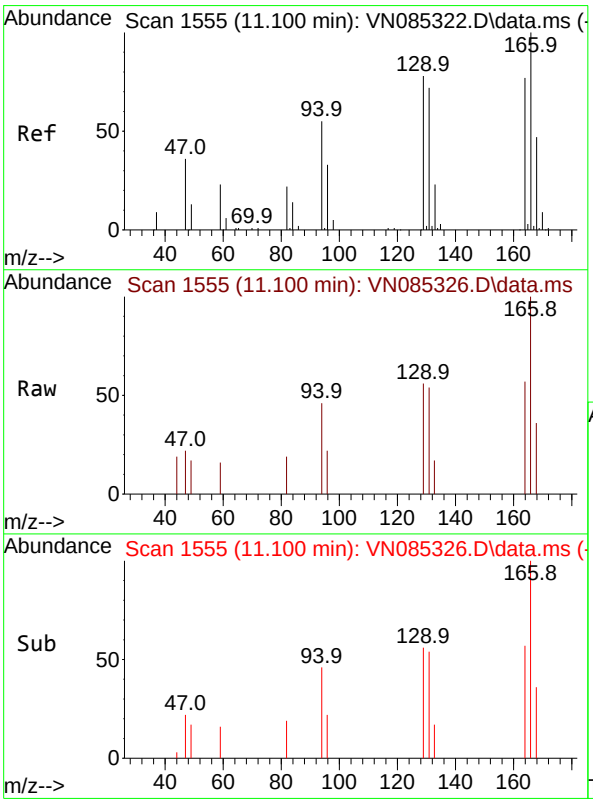
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 207418

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.7	68.5
119	32.1	25.8	38.8

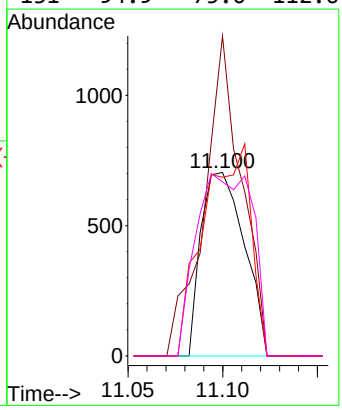


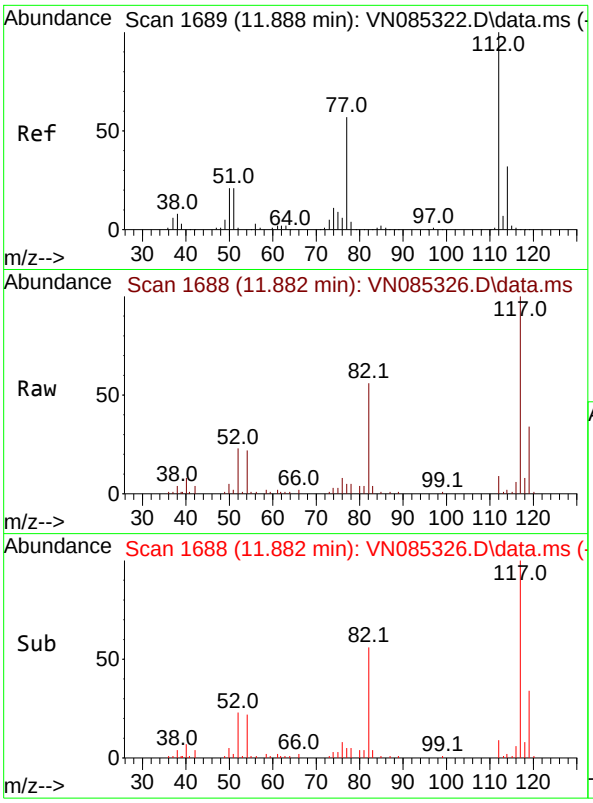


#64
Tetrachloroethene
Concen: 0.851 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:164 Resp: 1118

Ion	Ratio	Lower	Upper
164	100		
166	174.4	104.0	156.0#
129	97.4	81.3	121.9
131	94.9	75.0	112.6



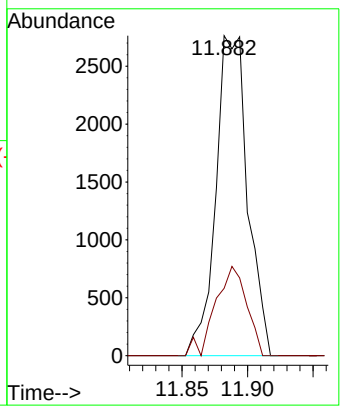


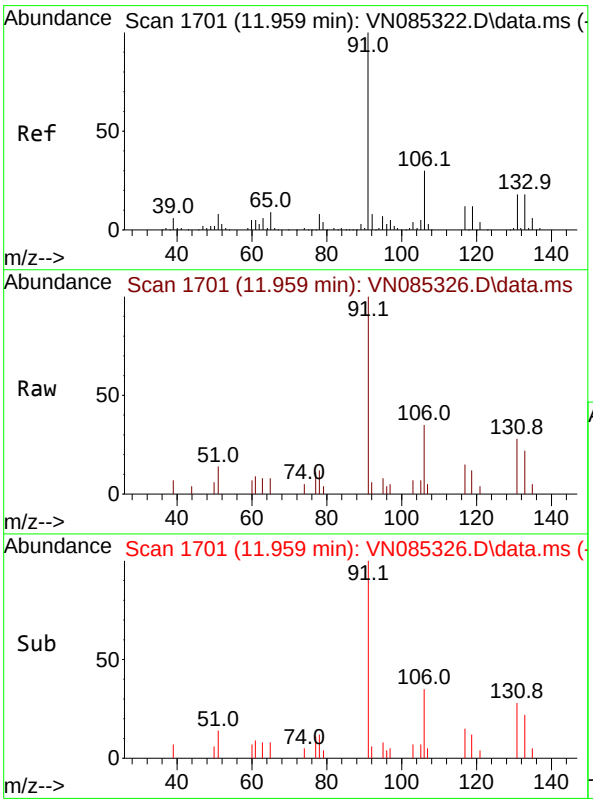
#65
Chlorobenzene
Concen: 1.041 ug/l
RT: 11.882 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 4664

Ion	Ratio	Lower	Upper
112	100		
114	21.1	25.2	37.8#

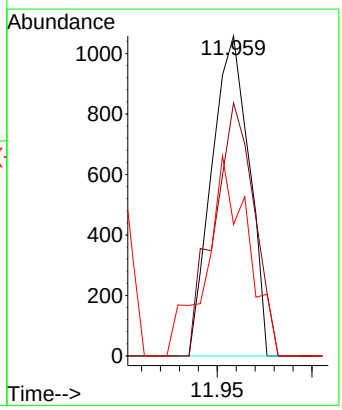


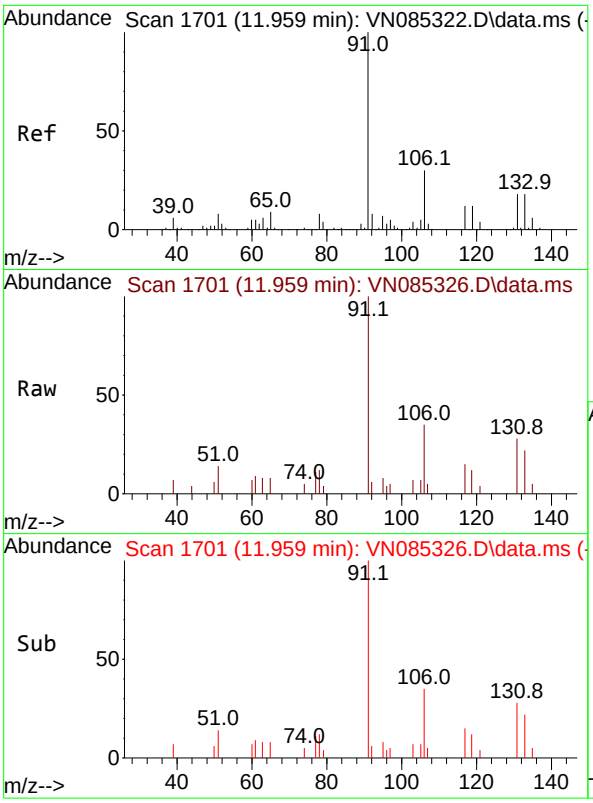


#66
1,1,1,2-Tetrachloroethane
Concen: 0.962 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:131 Resp: 1447

Ion	Ratio	Lower	Upper
131	100		
133	85.4	48.3	144.9
119	0.0	33.4	100.1#



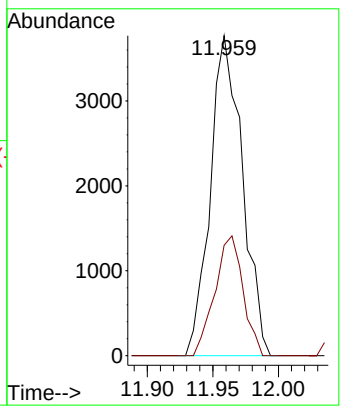


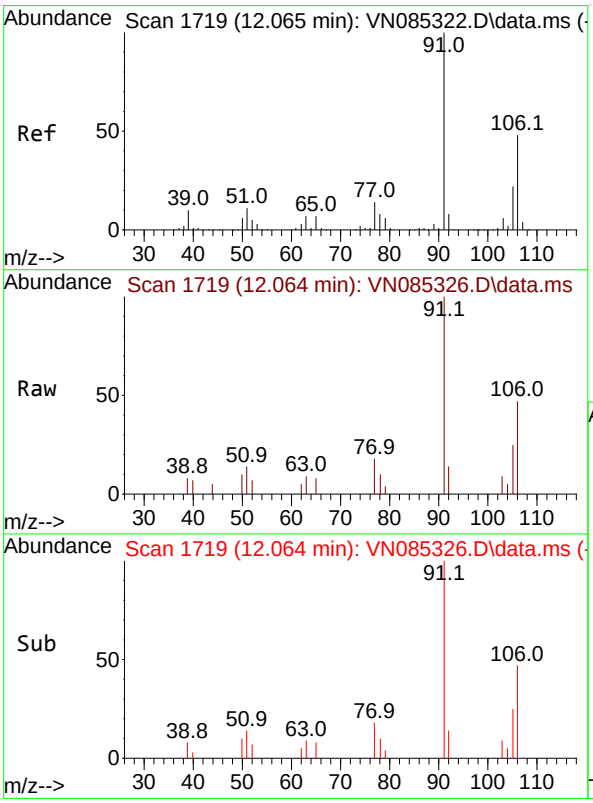
#67
Ethyl Benzene
Concen: 0.860 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 6412

Ion	Ratio	Lower	Upper
91	100		
106	34.5	24.0	36.0

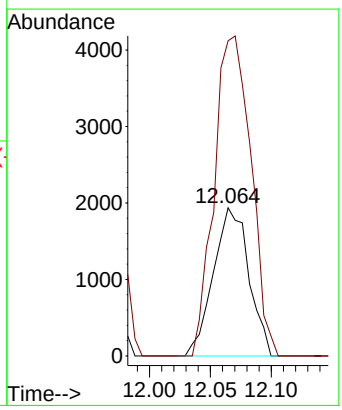


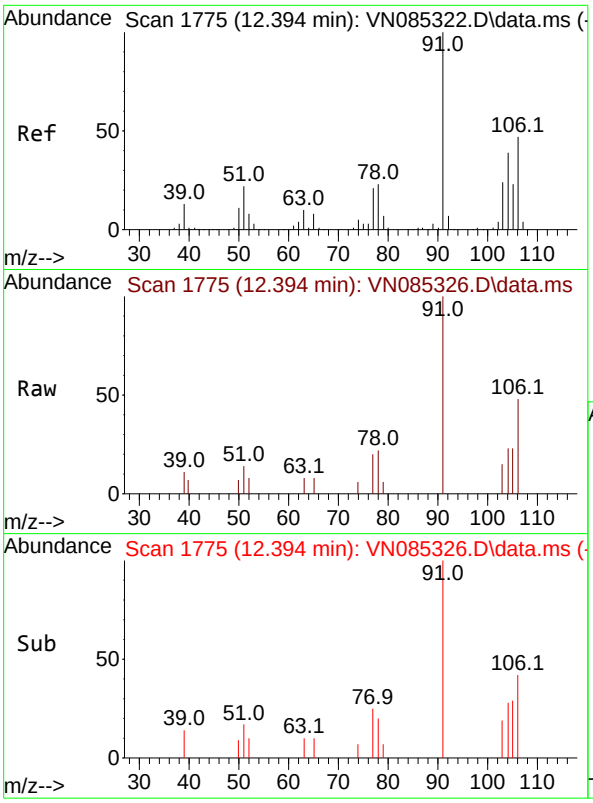


#68
m/p-Xylenes
Concen: 1.439 ug/l
RT: 12.064 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:106 Resp: 3925

Ion	Ratio	Lower	Upper
106	100		
91	223.6	165.2	247.8



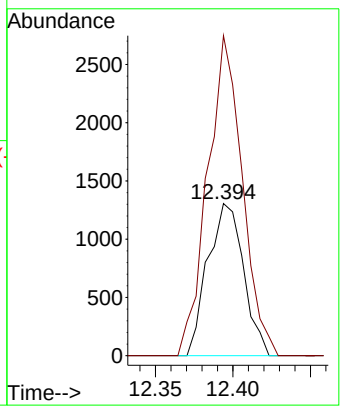


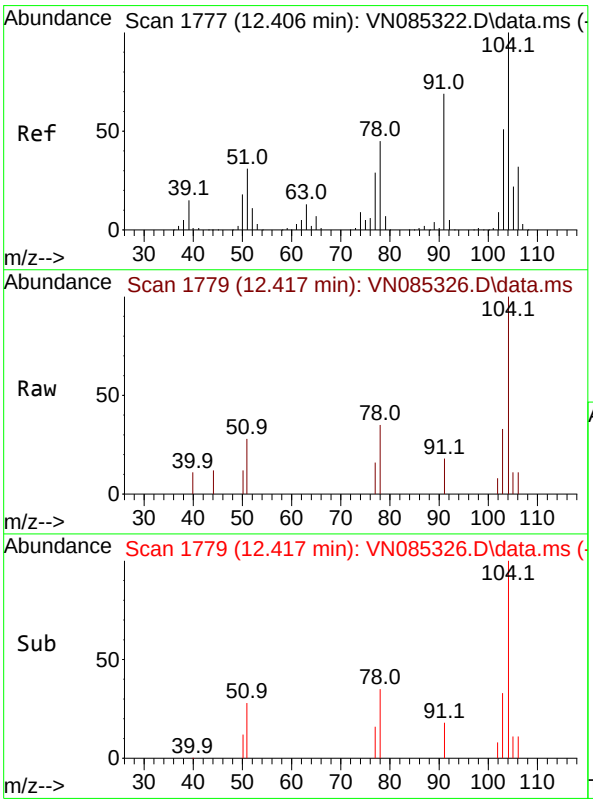
#69
o-Xylene
Concen: 0.792 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 2091

Ion	Ratio	Lower	Upper
106	100		
91	204.8	107.3	321.8

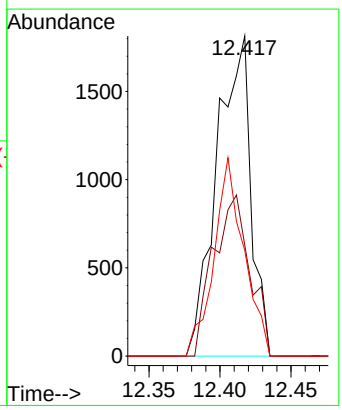


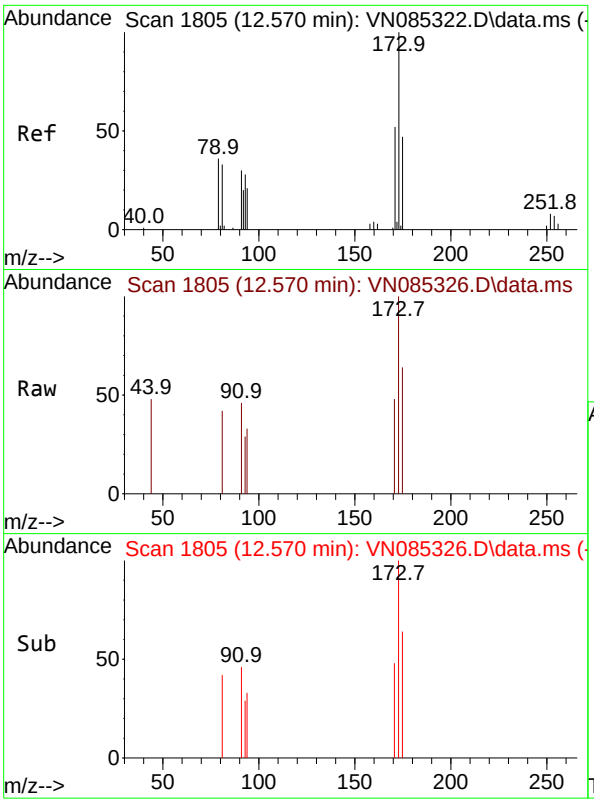


#70
Styrene
Concen: 0.708 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. 0.012 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:104 Resp: 3030

Ion	Ratio	Lower	Upper
104	100		
78	54.2	40.7	61.1
103	54.3	44.1	66.1



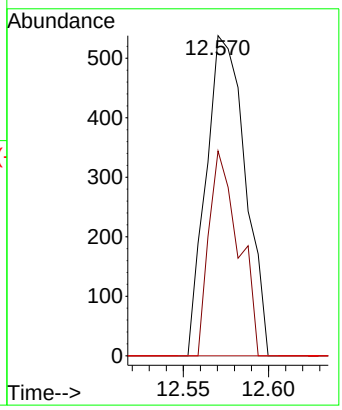


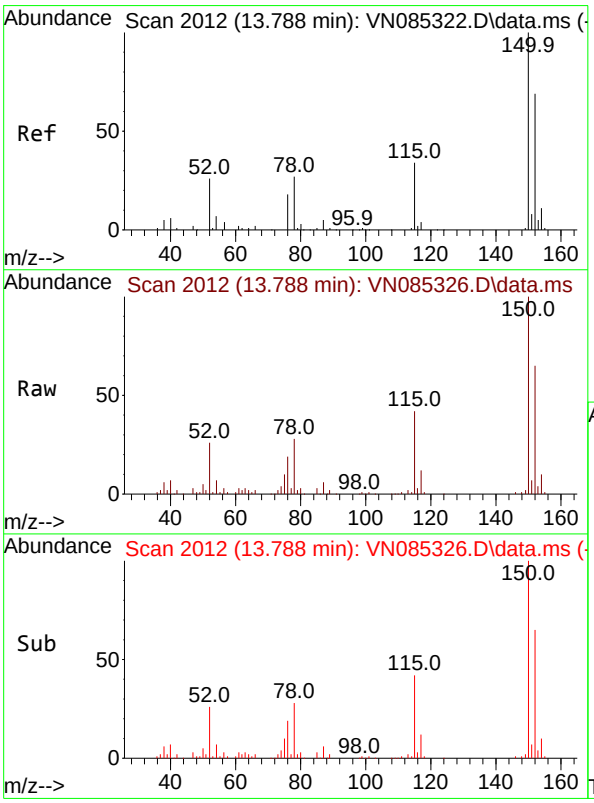
#71
Bromoform
Concen: 0.824 ug/l
RT: 12.570 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 859

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

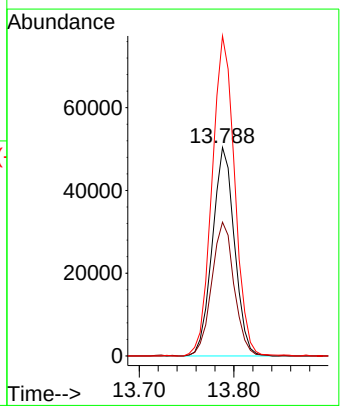


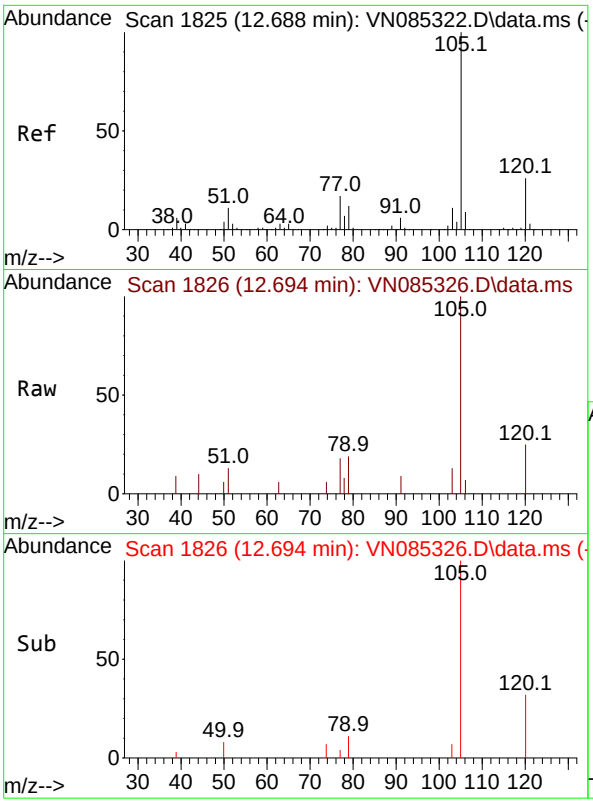


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:152 Resp: 81571

Ion	Ratio	Lower	Upper
152	100		
115	65.2	30.4	91.3
150	157.3	0.0	345.0



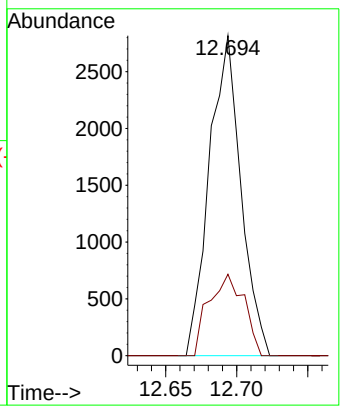


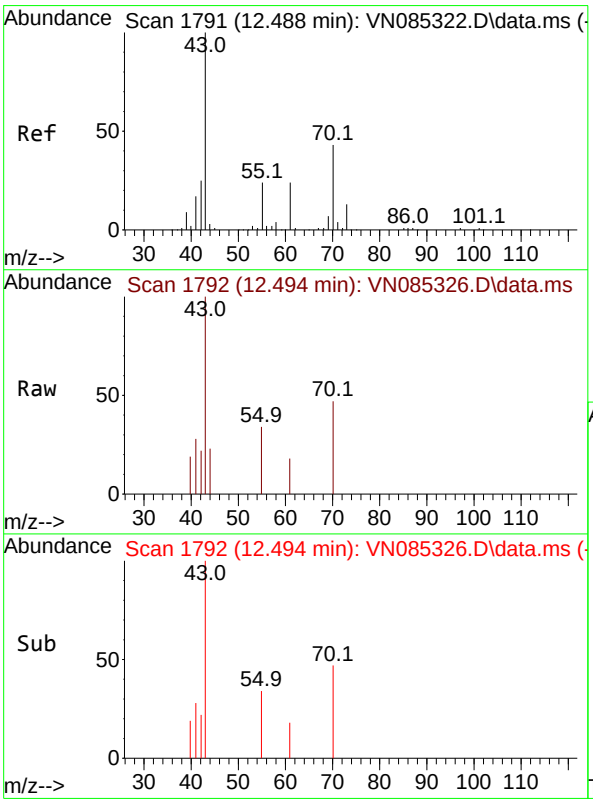
#73
Isopropylbenzene
Concen: 0.744 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4362

Ion	Ratio	Lower	Upper
105	100		
120	28.2	12.9	38.6

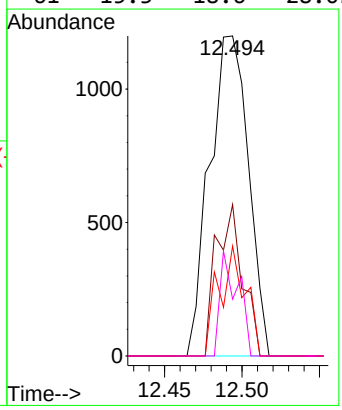


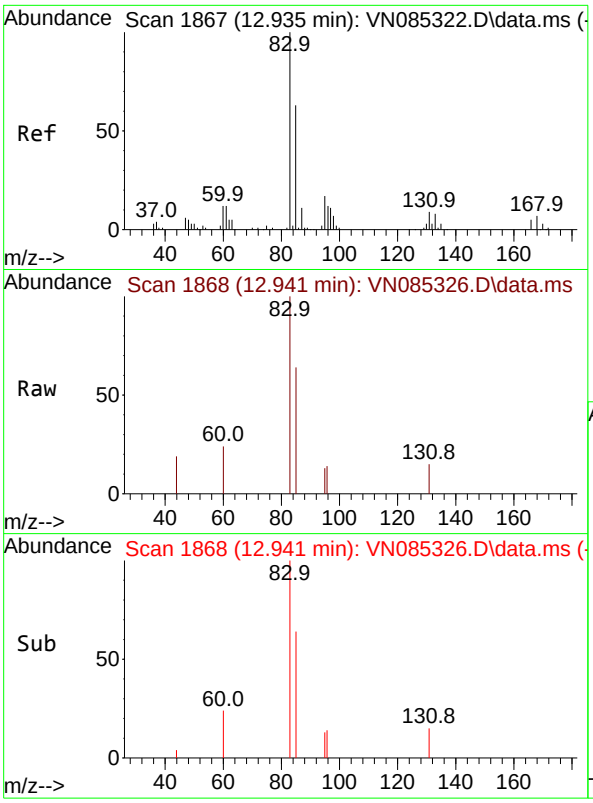


#74
N-amyl acetate
Concen: 0.831 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 43 Resp: 2086

Ion	Ratio	Lower	Upper
43	100		
70	32.3	33.4	50.0#
55	23.4	19.2	28.8
61	15.3	18.6	28.0#



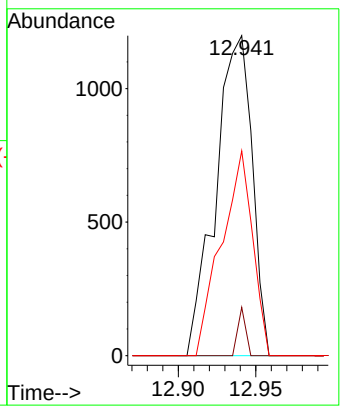


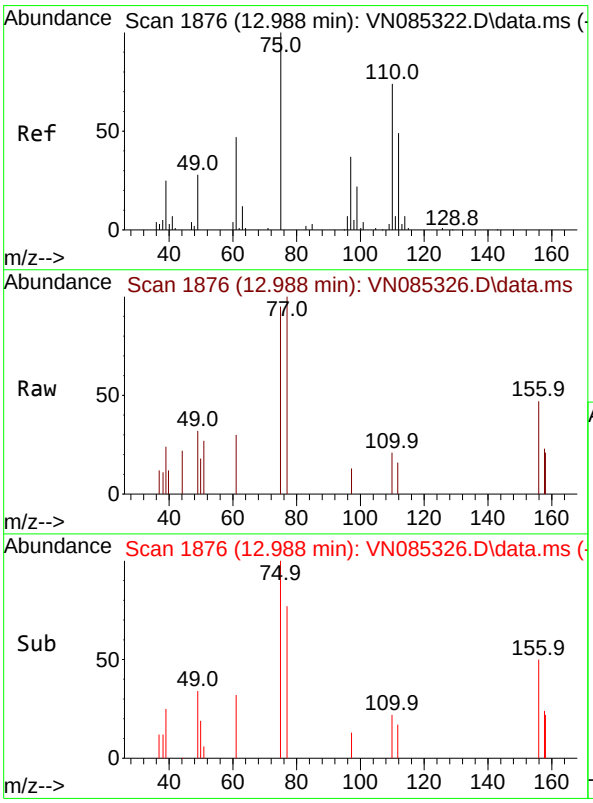
#75
1,1,2,2-Tetrachloroethane
Concen: 1.049 ug/l
RT: 12.941 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1959

Ion	Ratio	Lower	Upper
83	100		
131	3.3	4.8	14.4#
85	54.9	32.6	98.0

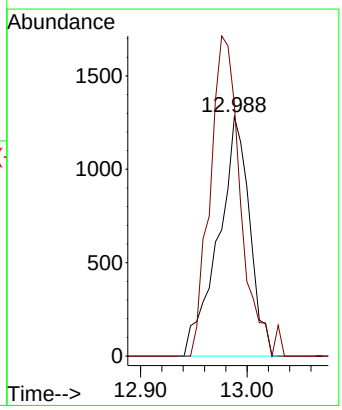


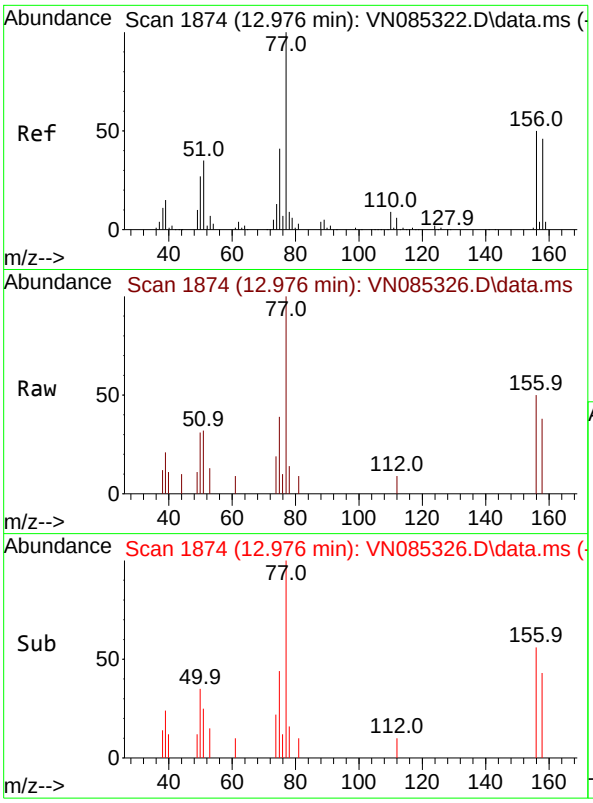


#76
1,2,3-Trichloropropane
Concen: 1.104 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 2616

Ion	Ratio	Lower	Upper
75	100		
77	130.6	98.1	294.3



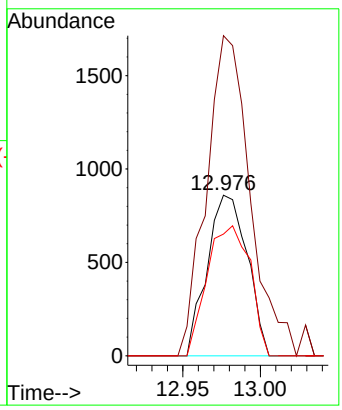


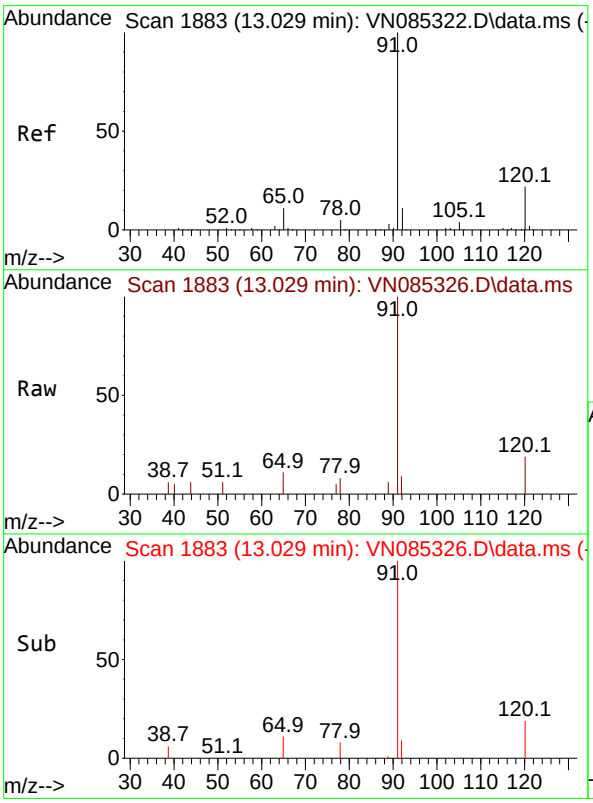
#77
Bromobenzene
Concen: 1.062 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1544

Ion	Ratio	Lower	Upper
156	100		
77	221.2	114.0	342.0
158	86.7	47.6	142.8

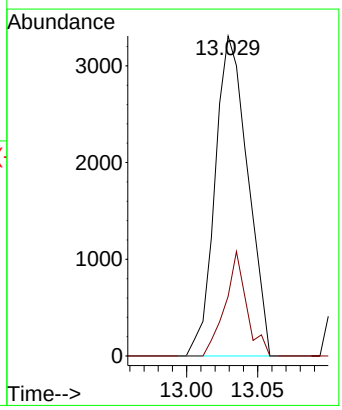


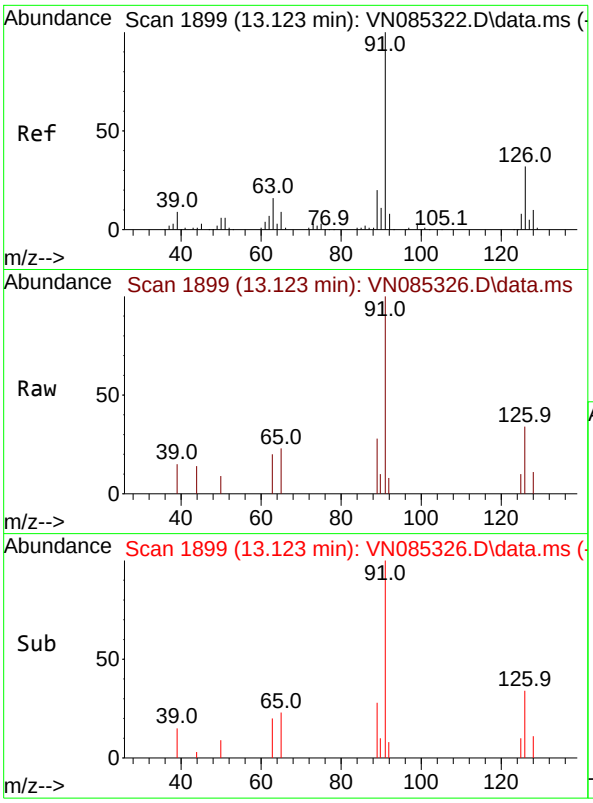


#78
n-propylbenzene
Concen: 0.774 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 5290

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.9	32.9



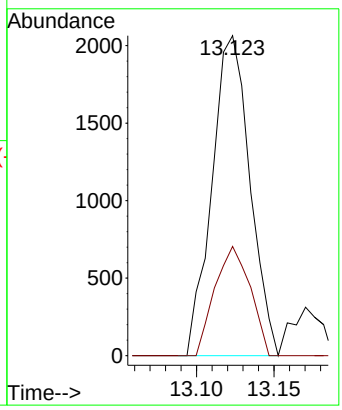


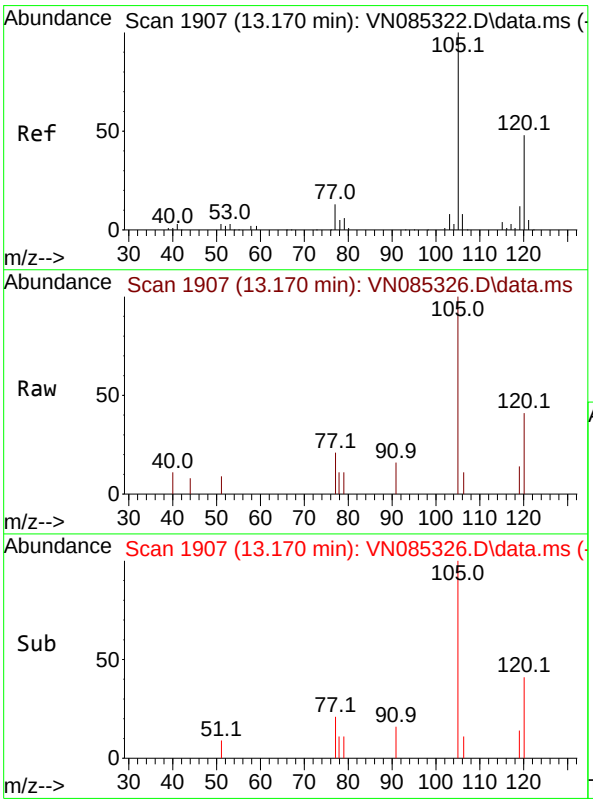
#79
2-Chlorotoluene
Concen: 0.818 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3518

Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0

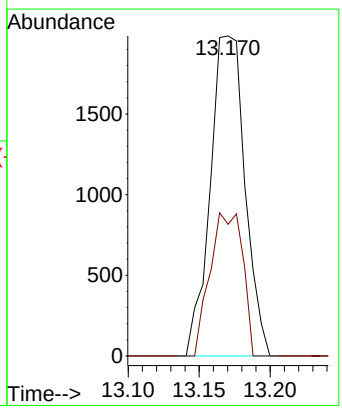


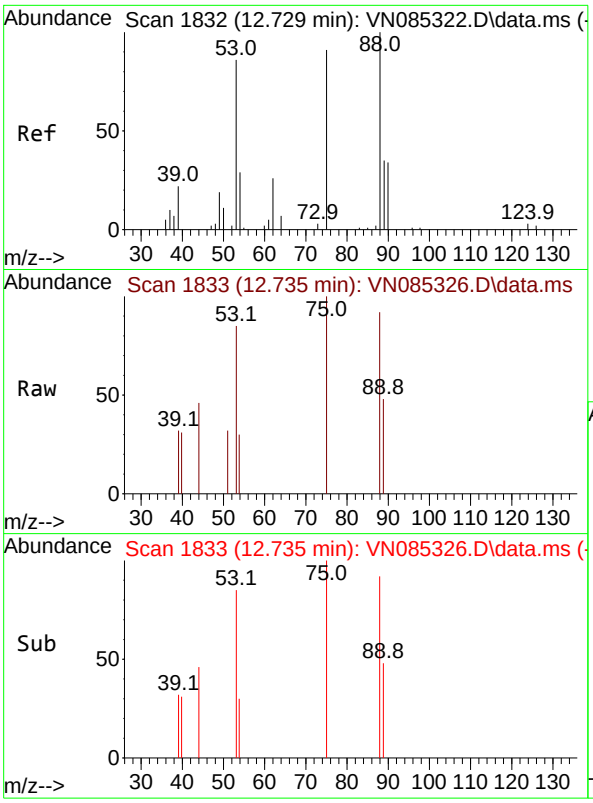


#80
1,3,5-Trimethylbenzene
Concen: 0.712 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 3380

Ion	Ratio	Lower	Upper
105	100		
120	42.0	24.0	72.0



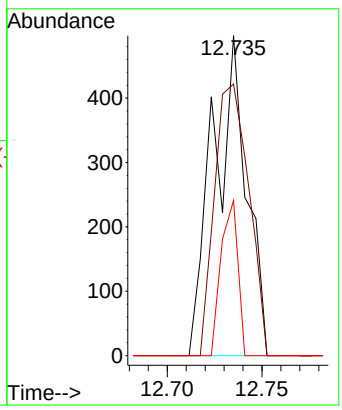


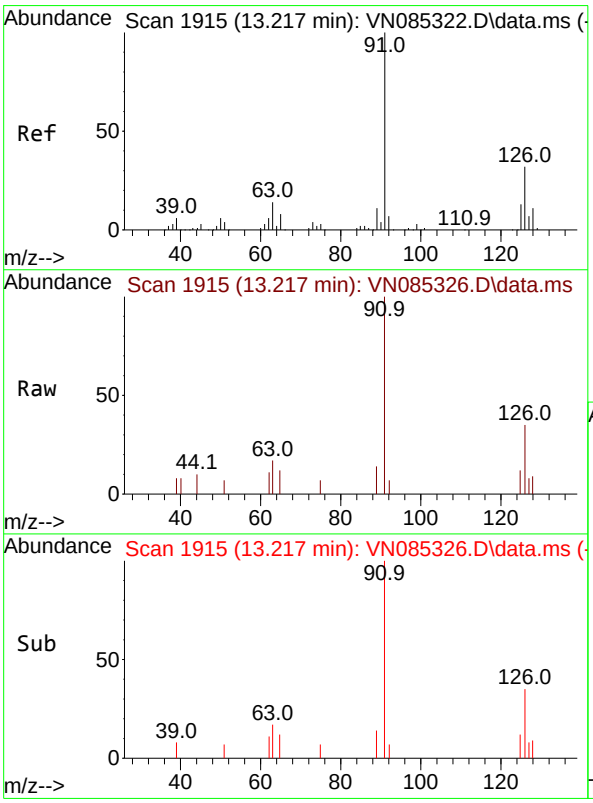
#81
trans-1,4-Dichloro-2-butene
Concen: 0.942 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 610

Ion	Ratio	Lower	Upper
75	100		
53	87.0	80.0	120.0
89	24.4	35.8	53.8#

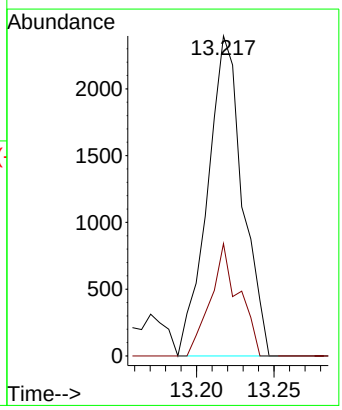


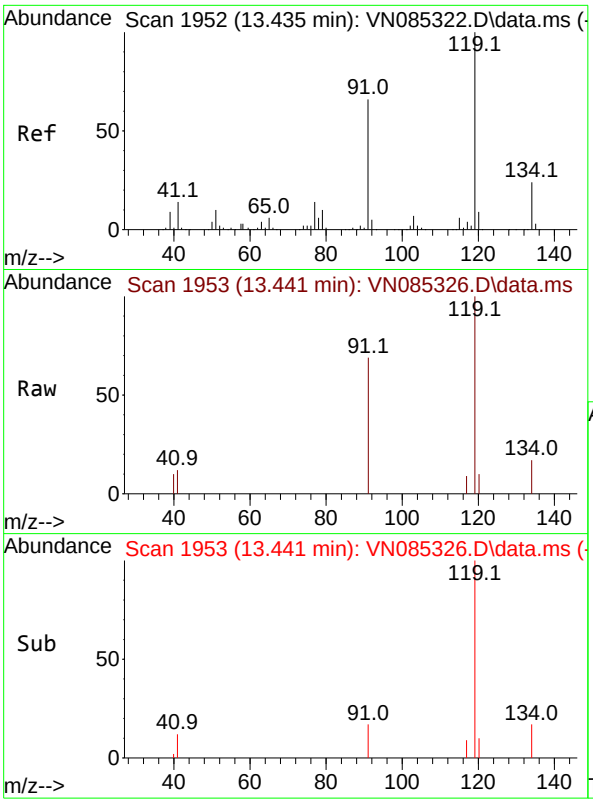


#82
4-Chlorotoluene
Concen: 0.869 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 91 Resp: 3768

Ion	Ratio	Lower	Upper
91	100		
126	28.3	16.4	49.4



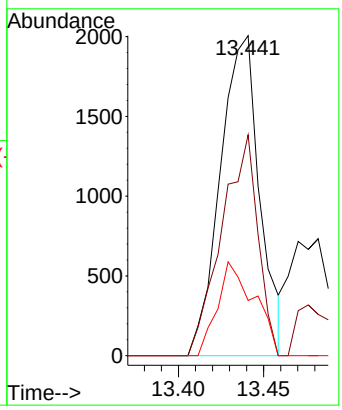


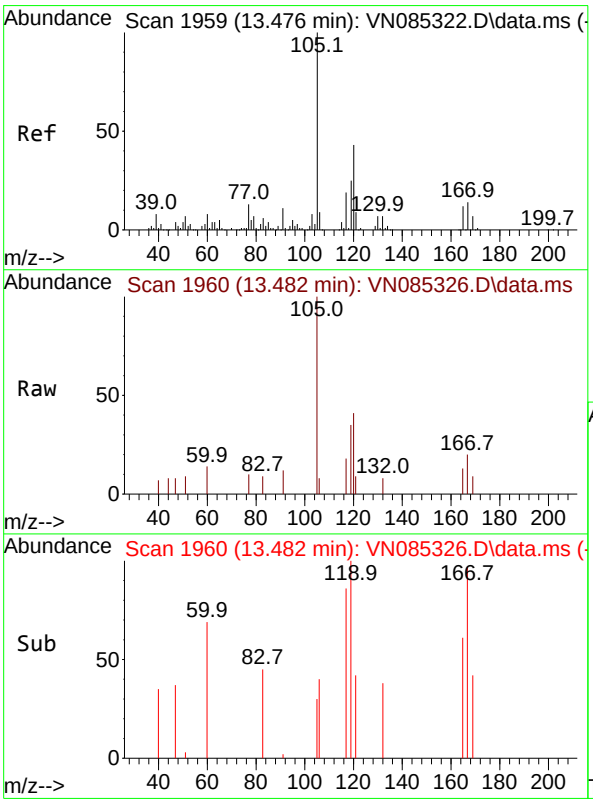
#83
tert-Butylbenzene
Concen: 0.788 ug/l
RT: 13.441 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3239

Ion	Ratio	Lower	Upper
119	100		
91	63.3	33.6	100.8
134	27.3	13.3	39.8

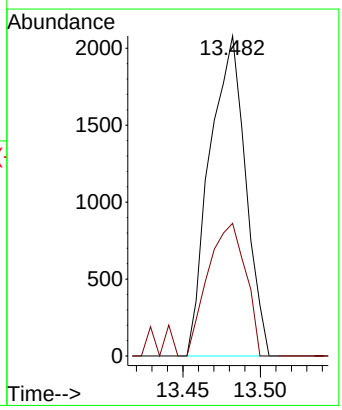


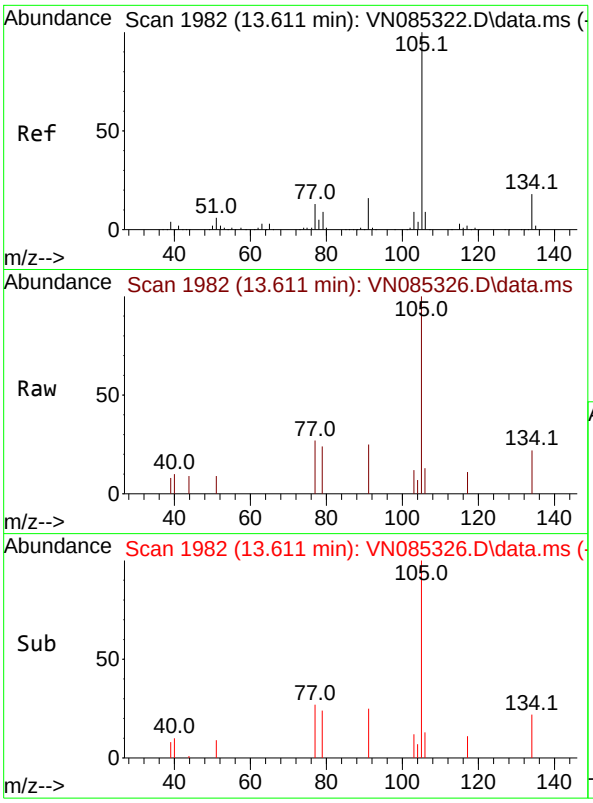


#84
1,2,4-Trimethylbenzene
Concen: 0.707 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:105 Resp: 3339

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1



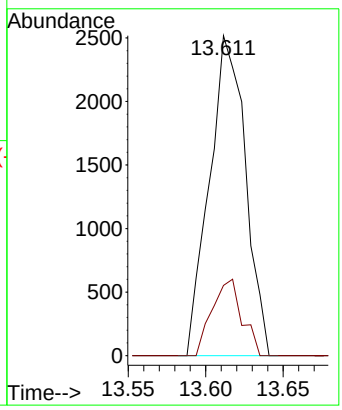


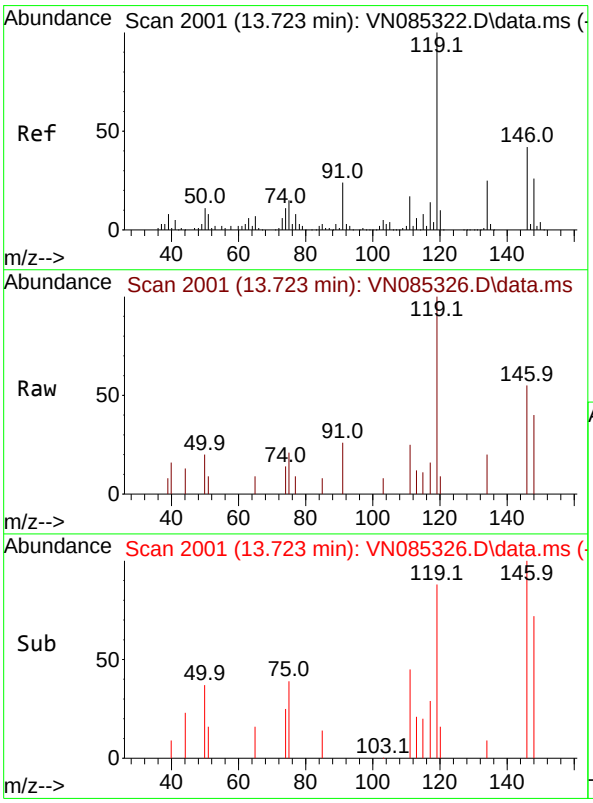
#85
sec-Butylbenzene
Concen: 0.713 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4066

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.4	28.3

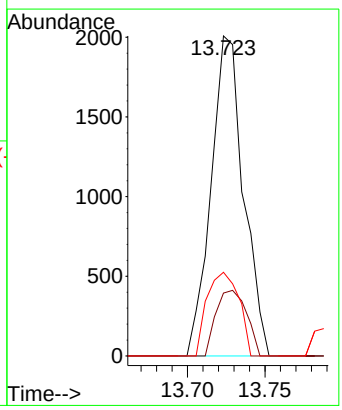


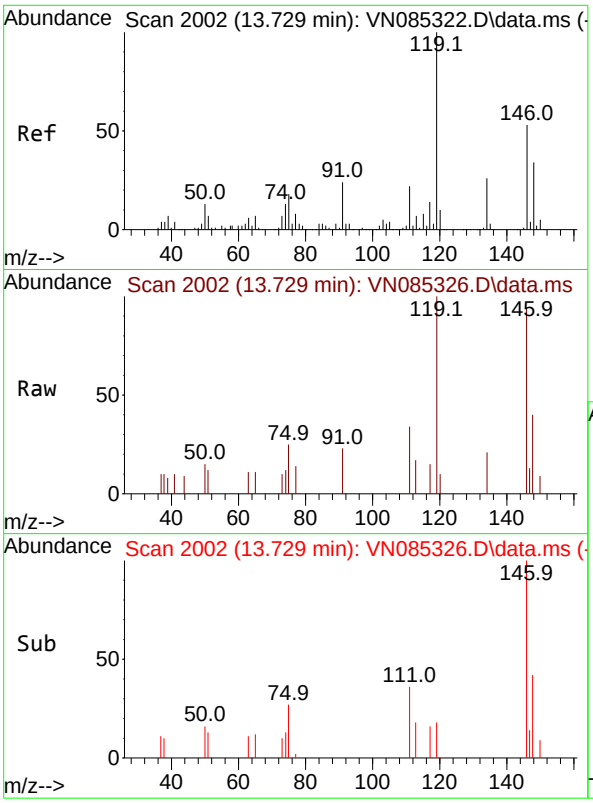


#86
p-Isopropyltoluene
Concen: 0.636 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:119 Resp: 2921

Ion	Ratio	Lower	Upper
119	100		
134	19.3	12.5	37.5
91	25.7	12.2	36.4



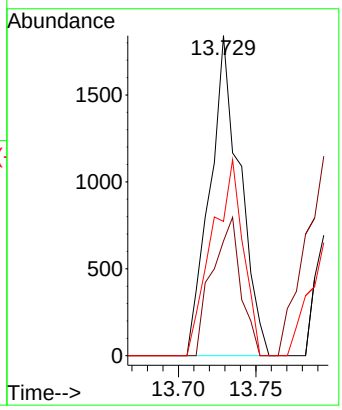


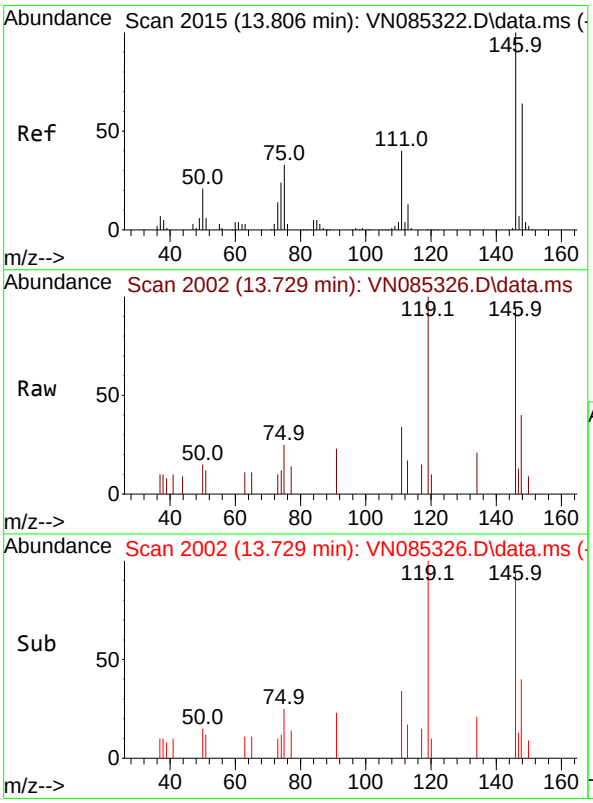
#87
1,3-Dichlorobenzene
Concen: 0.943 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2485

Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.3	63.9
148	63.5	31.5	94.5

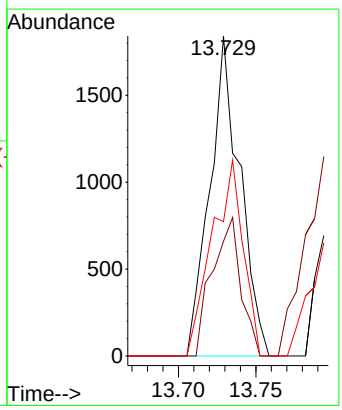


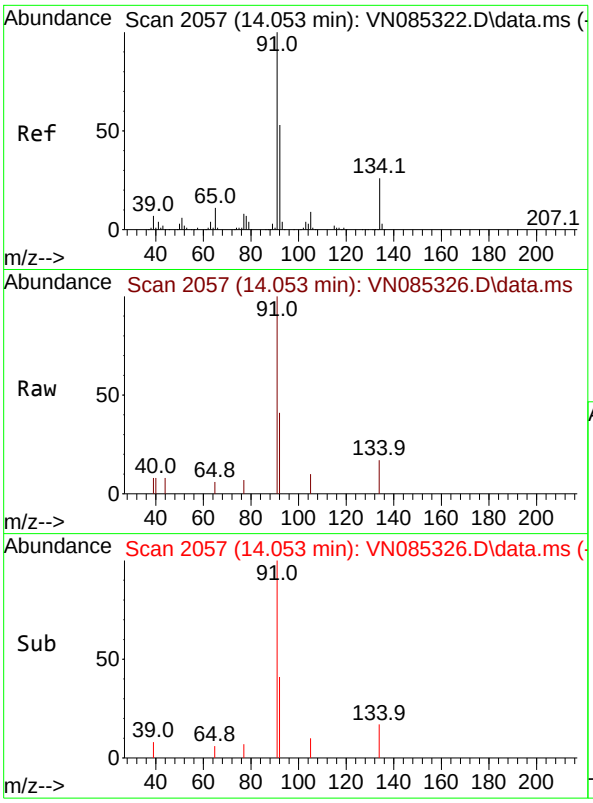


#88
1,4-Dichlorobenzene
Concen: 0.918 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.077 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:146 Resp: 2485

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.5	31.7	95.1



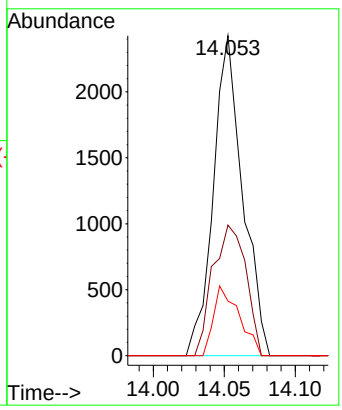


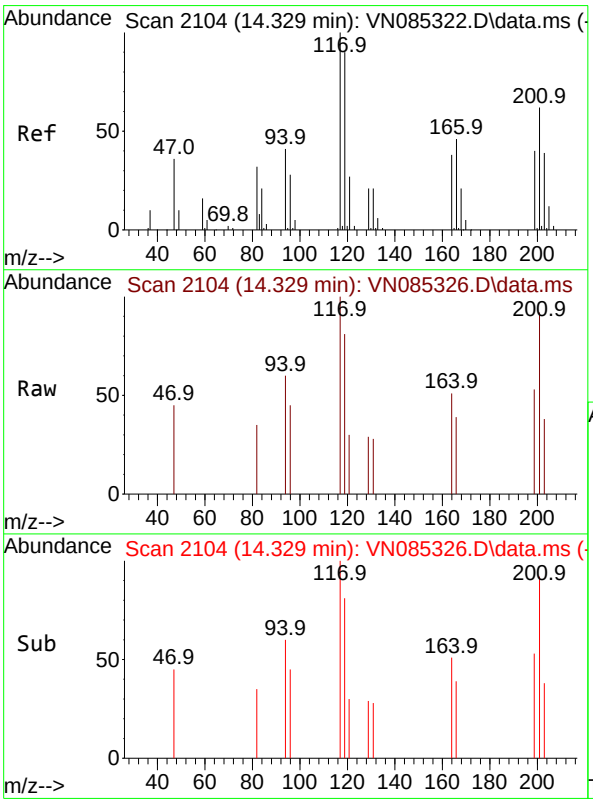
#89
n-Butylbenzene
Concen: 0.833 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3482

Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.0	78.0
134	19.0	12.1	36.3

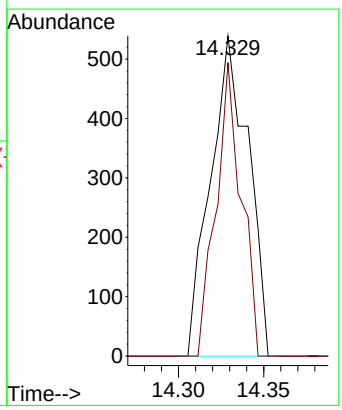


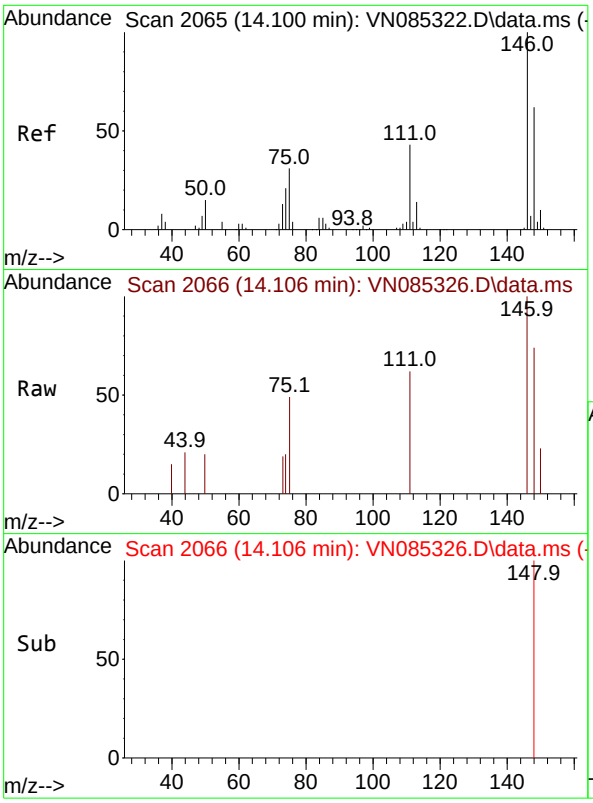


#90
Hexachloroethane
Concen: 0.889 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:117 Resp: 831

Ion	Ratio	Lower	Upper
117	100		
201	61.0	30.7	92.1



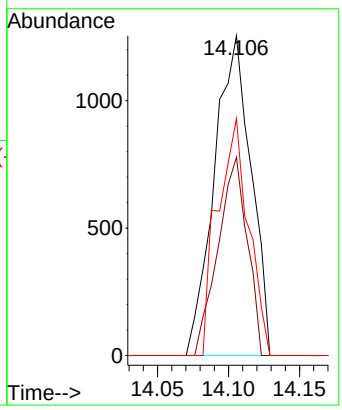


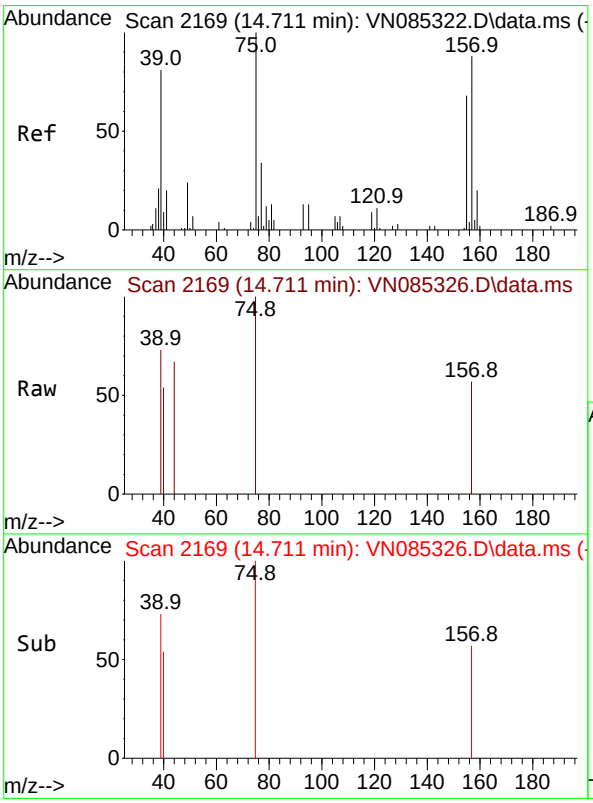
#91
1,2-Dichlorobenzene
Concen: 0.899 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2255

Ion	Ratio	Lower	Upper
146	100		
111	49.5	21.8	65.3
148	62.7	31.4	94.2

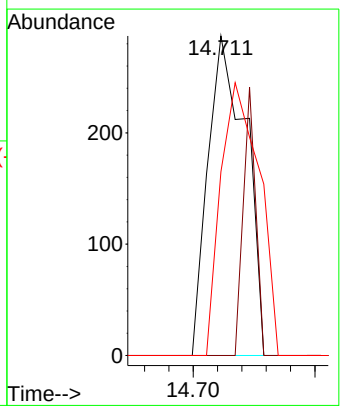


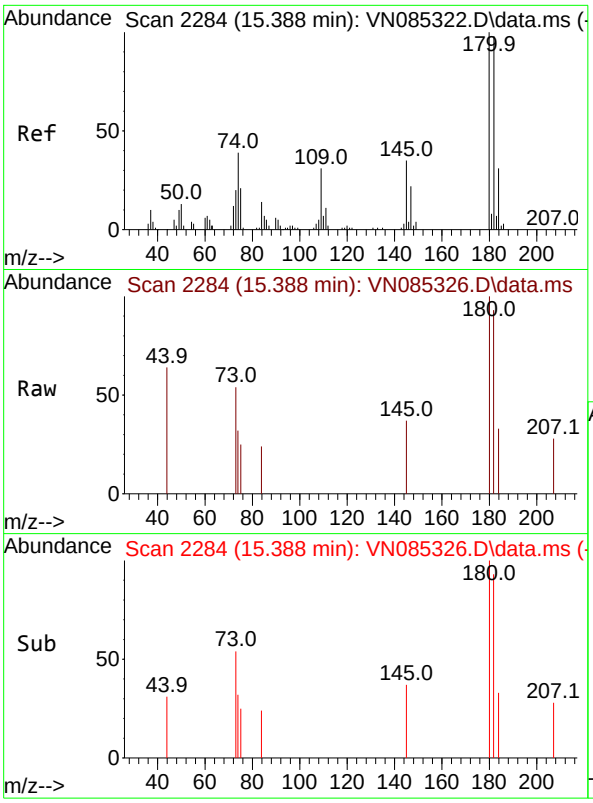


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.929 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion: 75 Resp: 309

Ion	Ratio	Lower	Upper
75	100		
155	27.5	35.6	106.9#
157	86.7	47.0	141.0



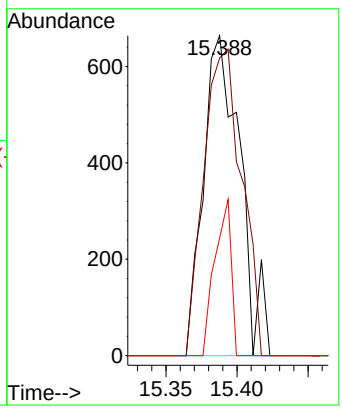


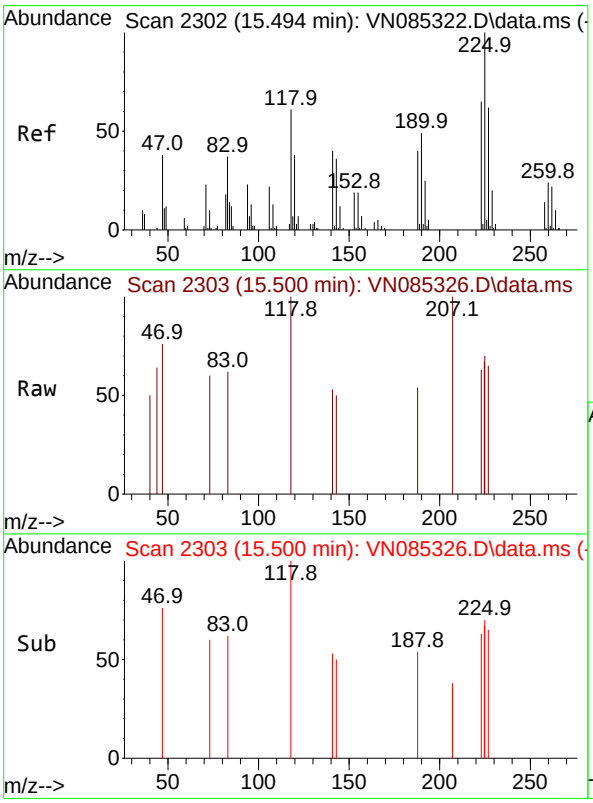
#93
1,2,4-Trichlorobenzene
Concen: 0.952 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1193

Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.2	141.6
145	21.8	16.6	49.8

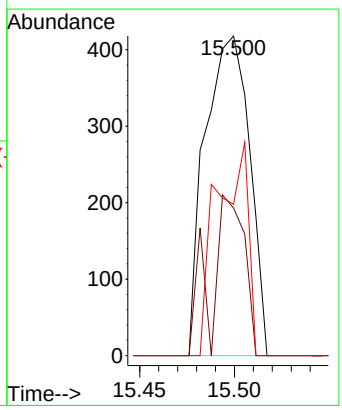


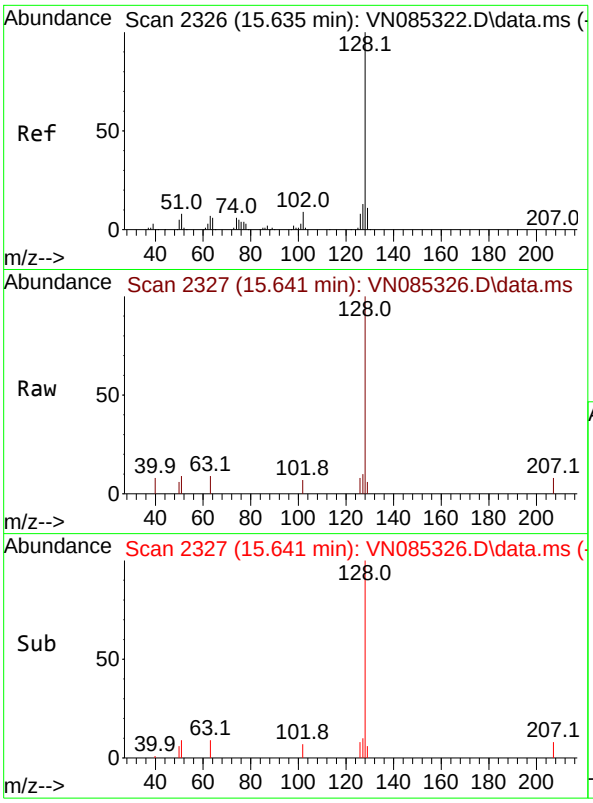


#94
Hexachlorobutadiene
Concen: 1.094 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:225 Resp: 681

Ion	Ratio	Lower	Upper
225	100		
223	37.7	31.6	94.7
227	47.0	30.3	91.0



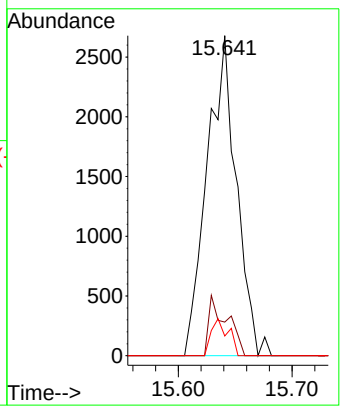


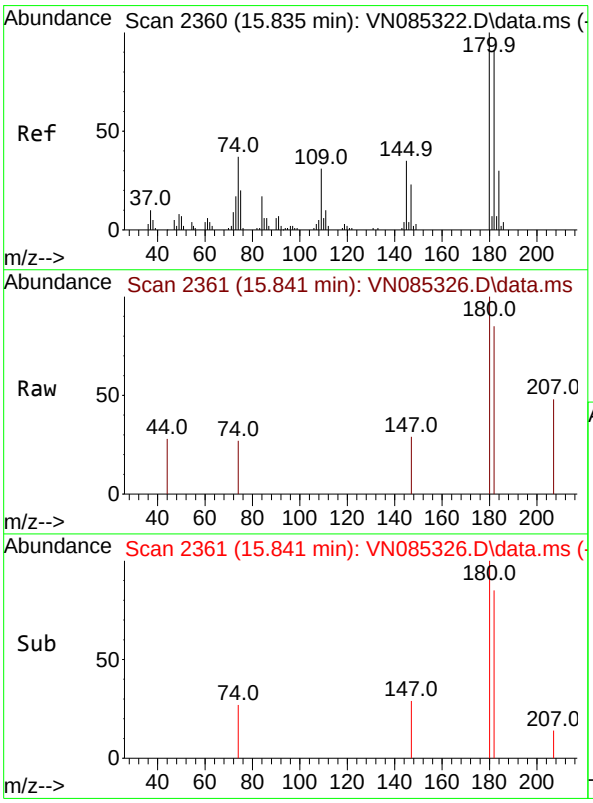
#95
Naphthalene
Concen: 1.134 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 4815

Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.6	16.0
129	6.7	8.5	12.7#

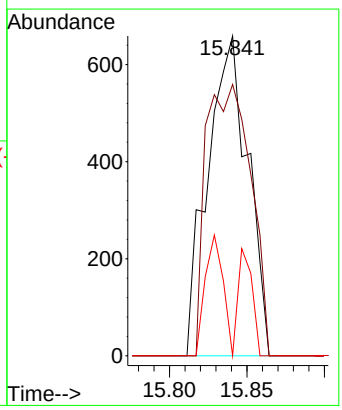




#96
1,2,3-Trichlorobenzene
Concen: 0.949 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085326.D
Acq: 27 Dec 2024 12:48

Tgt Ion:180 Resp: 1188

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.8	140.4
145	11.6	17.2	51.6#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	164136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	292504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.159	113	91966	50.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.565	98	347336	51.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.847	95	121466	54.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	115857	52.192	ug/l	99
3) Chloromethane	2.359	50	115249	46.193	ug/l	96
4) Vinyl Chloride	2.512	62	133659	50.656	ug/l	96
5) Bromomethane	2.924	94	83386	48.321	ug/l	96
6) Chloroethane	3.100	64	84777	50.664	ug/l	96
7) Trichlorofluoromethane	3.489	101	174797	50.396	ug/l	99
8) Diethyl Ether	3.953	74	63278	55.098	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	100713	51.030	ug/l	98
10) Methyl Iodide	4.583	142	118805	52.018	ug/l	96
11) Tert butyl alcohol	5.524	59	82769	282.346	ug/l	98
12) 1,1-Dichloroethene	4.330	96	93112	51.049	ug/l	99
13) Acrolein	4.171	56	97975	214.370	ug/l	98
14) Allyl chloride	5.018	41	149493	51.210	ug/l	99
15) Acrylonitrile	5.712	53	250489	271.490	ug/l	99
16) Acetone	4.418	43	215365	279.767	ug/l	95
17) Carbon Disulfide	4.706	76	266129	47.961	ug/l	98
18) Methyl Acetate	5.018	43	127062	53.913	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	322145	54.338	ug/l	97
20) Methylene Chloride	5.265	84	106365	51.370	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	95767	50.262	ug/l	96
22) Diisopropyl ether	6.665	45	341434	54.277	ug/l	99
23) Vinyl Acetate	6.594	43	1266714	278.352	ug/l	99
24) 1,1-Dichloroethane	6.565	63	195446	51.577	ug/l	98
25) 2-Butanone	7.477	43	338384	283.341	ug/l	98
26) 2,2-Dichloropropane	7.482	77	176896	53.283	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118182	52.846	ug/l	97
28) Bromochloromethane	7.812	49	90008	51.112	ug/l #	100
29) Tetrahydrofuran	7.835	42	218407	283.909	ug/l	100
30) Chloroform	7.965	83	197287	50.890	ug/l	98
31) Cyclohexane	8.253	56	165938	47.956	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	174266	50.333	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140127	52.447	ug/l	99
37) Ethyl Acetate	7.559	43	137205	51.666	ug/l	99
38) Carbon Tetrachloride	8.359	117	153395	52.672	ug/l	98
39) Methylcyclohexane	9.600	83	156627	56.501	ug/l	100
40) Benzene	8.600	78	424501	52.550	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	77084	56.677	ug/l		98
42) 1,2-Dichloroethane	8.665	62	149352	51.568	ug/l		100
43) Isopropyl Acetate	8.682	43	249040	56.953	ug/l		98
44) Trichloroethene	9.347	130	97403	50.930	ug/l		93
45) 1,2-Dichloropropane	9.618	63	109589	53.441	ug/l		100
46) Dibromomethane	9.706	93	76287	53.491	ug/l		98
47) Bromodichloromethane	9.882	83	156297	52.728	ug/l	#	99
48) Methyl methacrylate	9.676	41	111168	58.590	ug/l		99
49) 1,4-Dioxane	9.694	88	34268	1197.029	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	714200	290.641	ug/l		99
52) Toluene	10.623	92	264263	54.941	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	164691	56.497	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	173493	55.040	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	96817	53.314	ug/l		98
56) Ethyl methacrylate	10.871	69	163272	61.733	ug/l		98
57) 1,3-Dichloropropane	11.159	76	172176	54.020	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	359446	280.905	ug/l		99
59) 2-Hexanone	11.194	43	519370	304.633	ug/l		99
60) Dibromochloromethane	11.359	129	116293	56.856	ug/l		99
61) 1,2-Dibromoethane	11.465	107	97817	54.445	ug/l		99
64) Tetrachloroethene	11.100	164	84445	52.056	ug/l		98
65) Chlorobenzene	11.888	112	287764	52.014	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	98192	52.882	ug/l		99
67) Ethyl Benzene	11.959	91	512193	55.669	ug/l		99
68) m/p-Xylenes	12.065	106	386429	114.768	ug/l		100
69) o-Xylene	12.394	106	185036	56.809	ug/l		98
70) Styrene	12.406	104	313206	59.331	ug/l		99
71) Bromoform	12.576	173	72309	56.226	ug/l	#	99
73) Isopropylbenzene	12.694	105	474369	54.966	ug/l		100
74) N-amyl acetate	12.488	43	211810	57.337	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	137310	49.956	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	186420	83.182	ug/l		57
77) Bromobenzene	12.976	156	106098	49.621	ug/l		97
78) n-propylbenzene	13.035	91	562715	55.937	ug/l		99
79) 2-Chlorotoluene	13.123	91	338610	53.482	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	393503	56.370	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51732	55.281	ug/l		98
82) 4-Chlorotoluene	13.217	91	341098	53.493	ug/l		99
83) tert-Butylbenzene	13.435	119	332355	54.963	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	399361	57.454	ug/l		99
85) sec-Butylbenzene	13.611	105	477401	56.877	ug/l		98
86) p-Isopropyltoluene	13.723	119	399868	53.045	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	204501	52.759	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	201165	50.524	ug/l		100
89) n-Butylbenzene	14.053	91	357404	58.149	ug/l		100
90) Hexachloroethane	14.329	117	74623	54.238	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	194477	52.669	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27636	56.494	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	99722	54.113	ug/l		99
94) Hexachlorobutadiene	15.500	225	45915	50.146	ug/l		98
95) Naphthalene	15.635	128	319467	51.123	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	94990	51.589	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

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

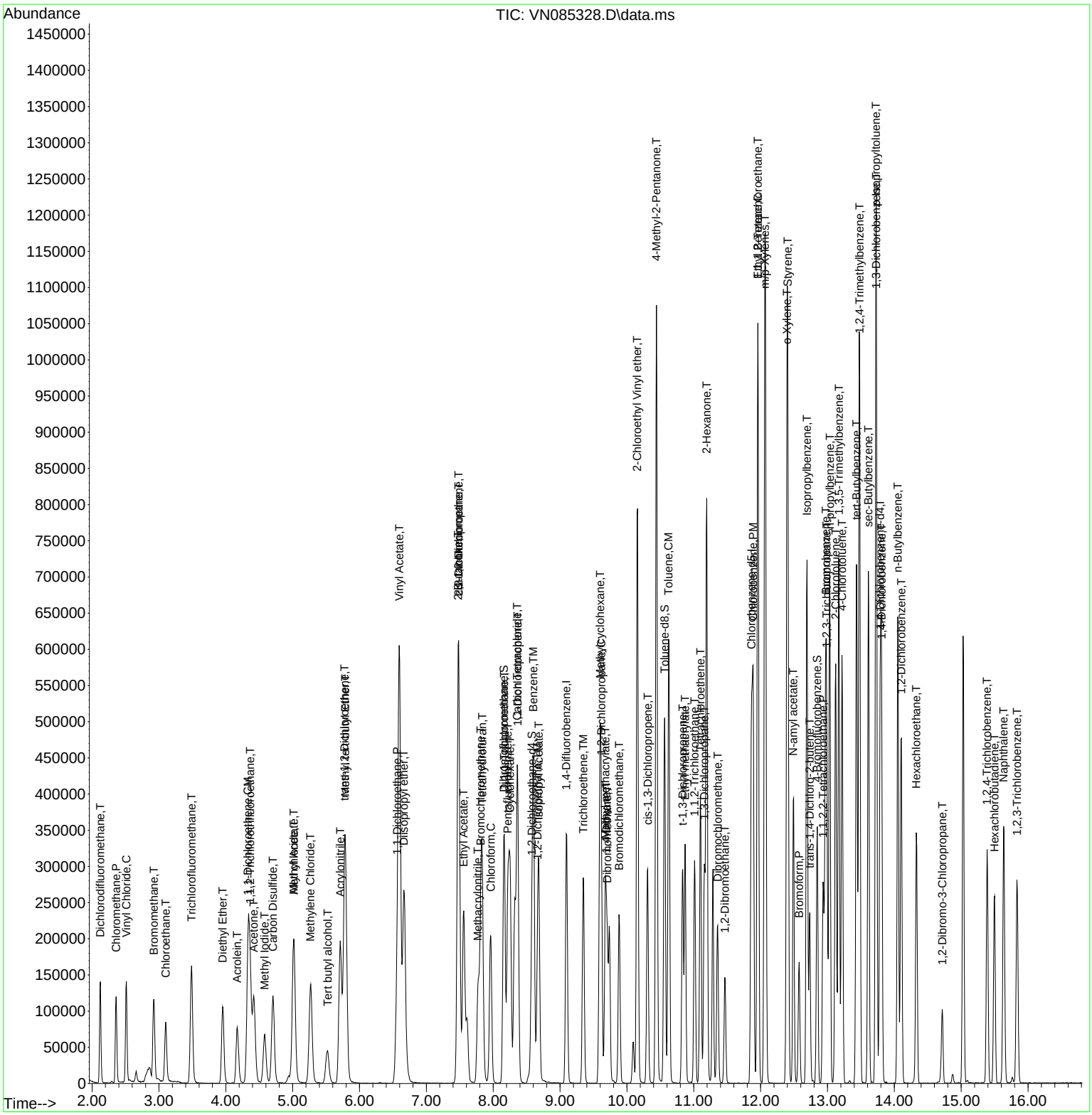
(#) = qualifier out of range (m) = manual integration (+) = signals summed

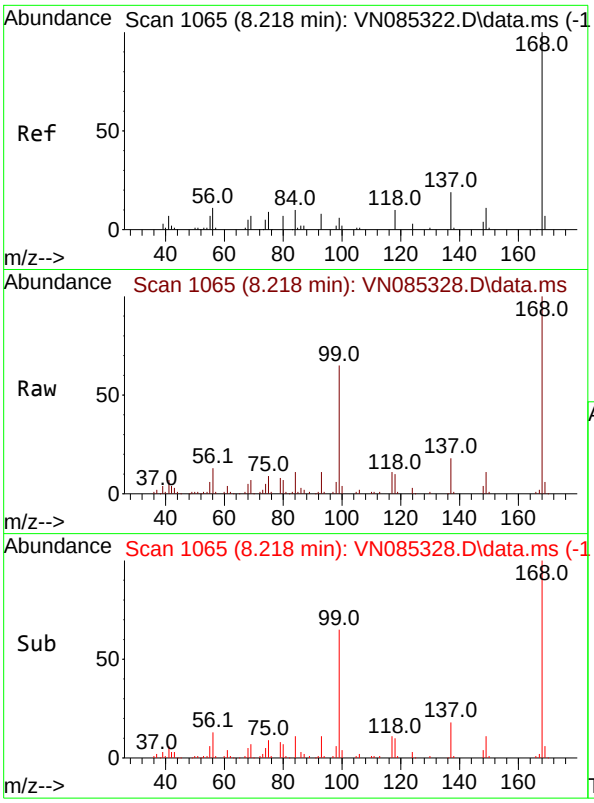
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



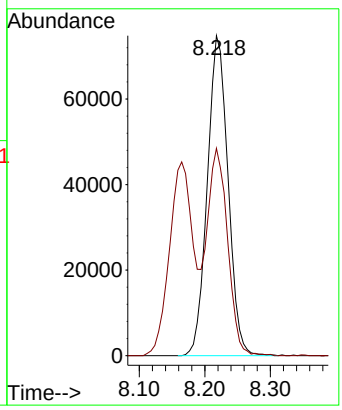


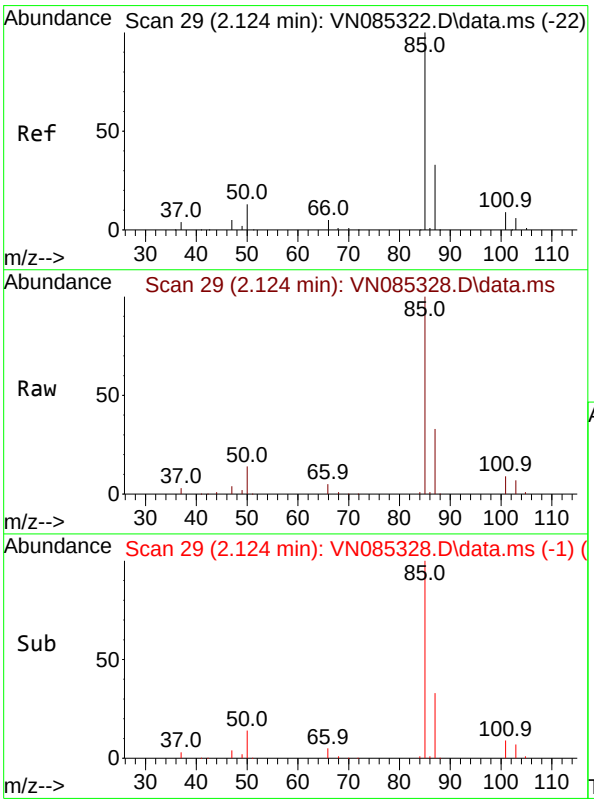
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:168 Resp: 164136

Ion	Ratio	Lower	Upper
168	100		
99	64.8	51.0	76.4

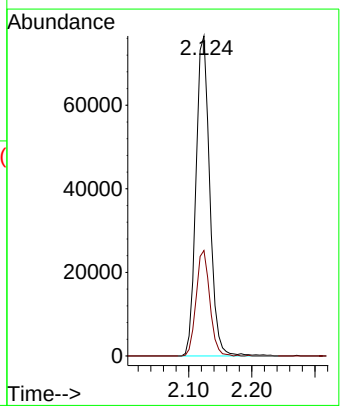


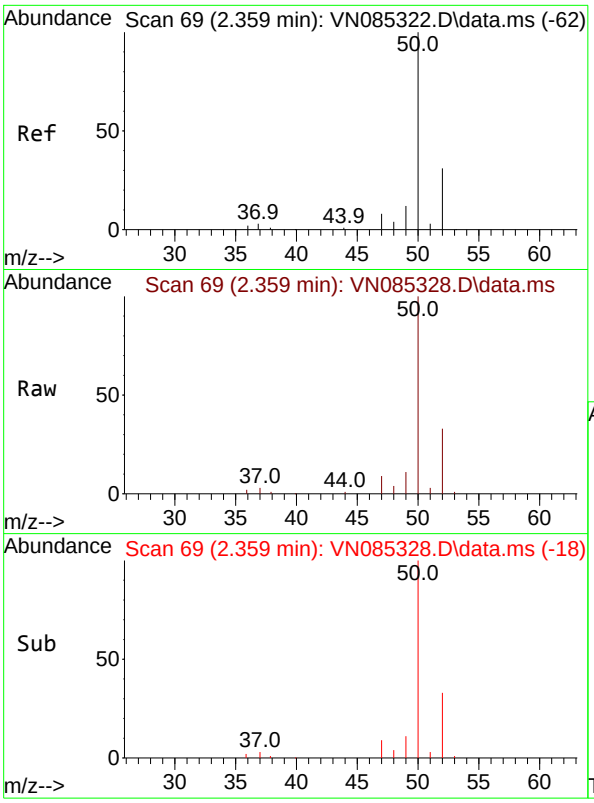


#2
Dichlorodifluoromethane
Concen: 52.192 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 85 Resp: 115857

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.8	50.3



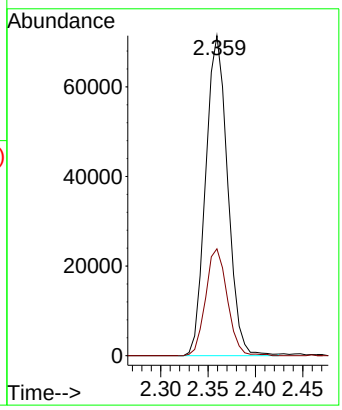


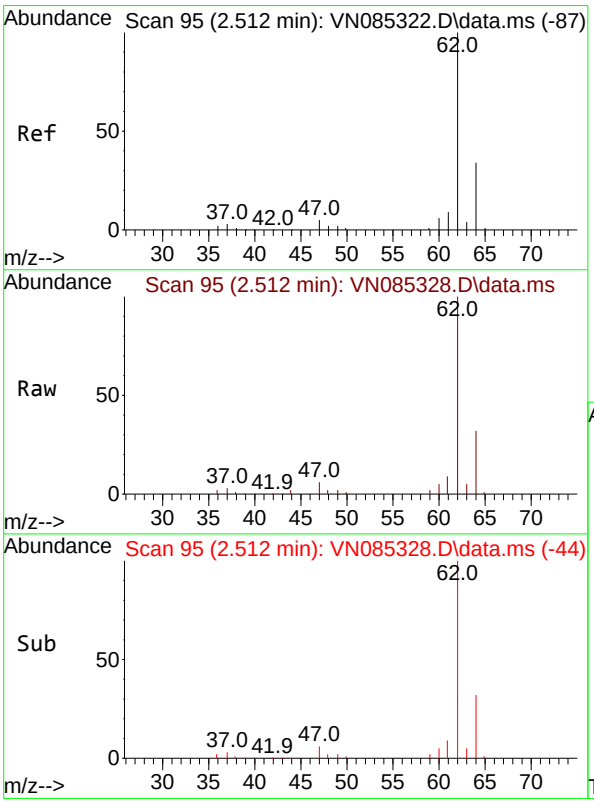
#3
Chloromethane
Concen: 46.193 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 50 Resp: 115249

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.1	37.7

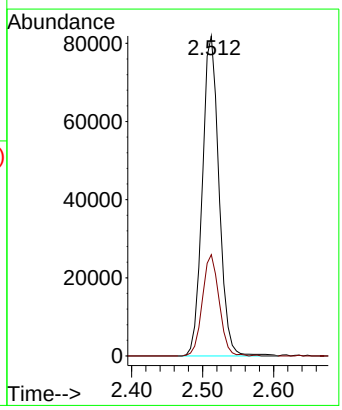


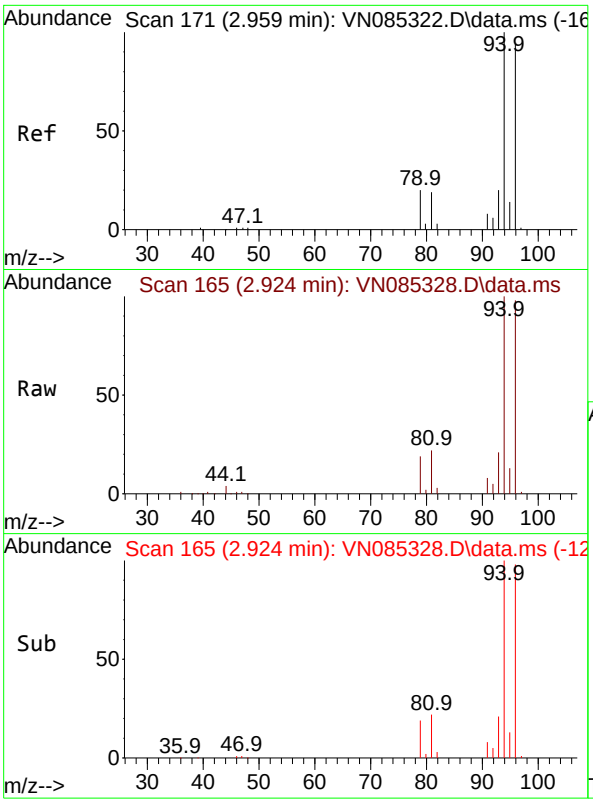


#4
Vinyl Chloride
Concen: 50.656 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 62 Resp: 133659

Ion	Ratio	Lower	Upper
62	100		
64	31.7	27.0	40.6



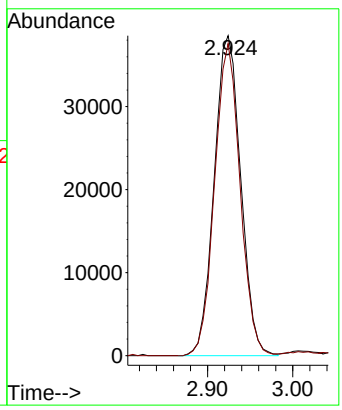


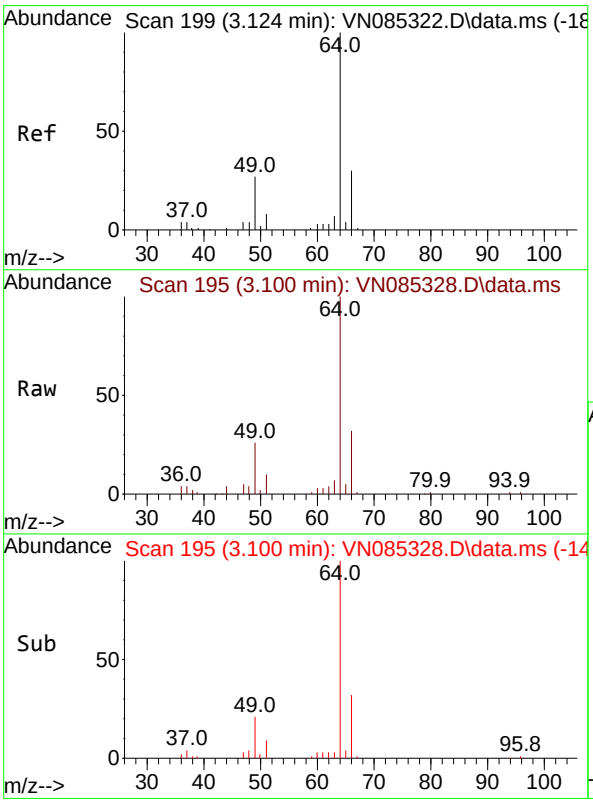
#5
Bromomethane
Concen: 48.321 ug/l
RT: 2.924 min Scan# 1
Delta R.T. -0.035 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 94 Resp: 83386

Ion	Ratio	Lower	Upper
94	100		
96	97.5	75.2	112.8

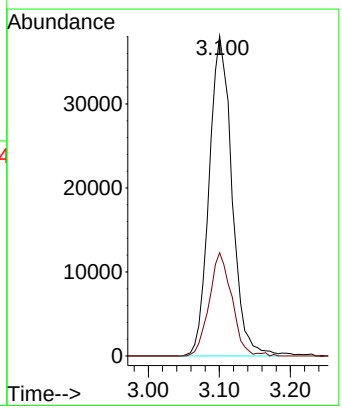


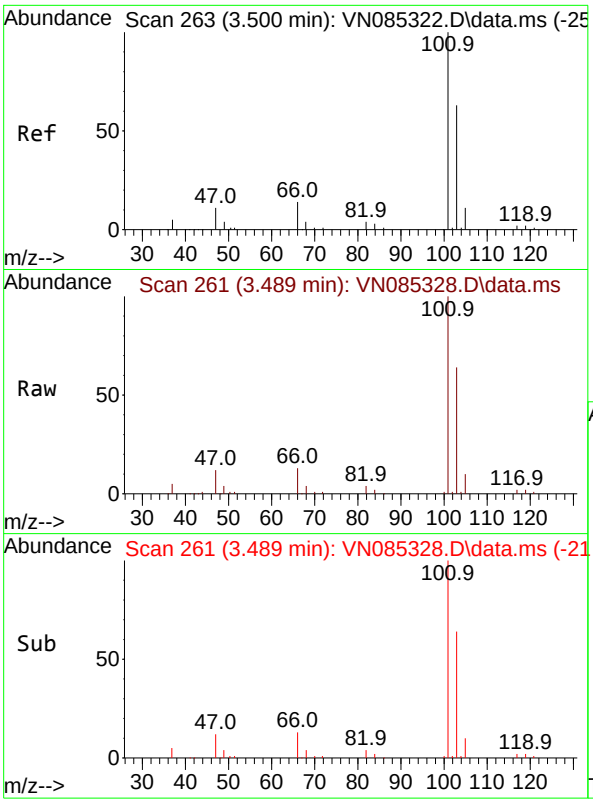


#6
Chloroethane
Concen: 50.664 ug/l
RT: 3.100 min Scan# 195
Delta R.T. -0.024 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 64 Resp: 84777

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.1	36.1



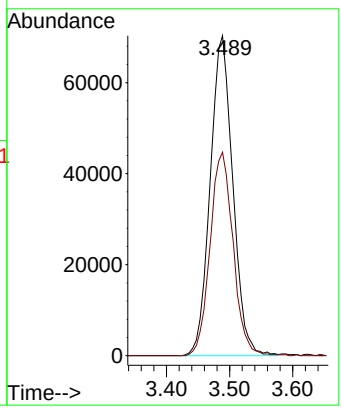


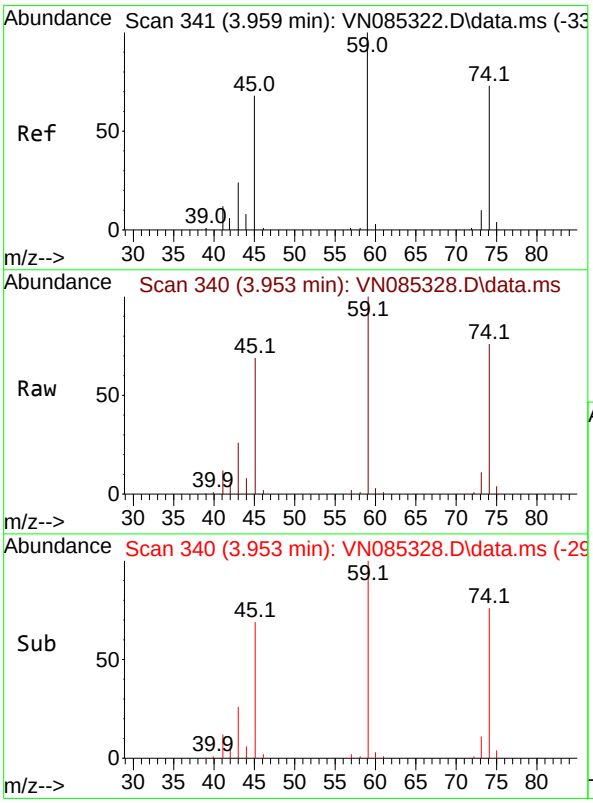
#7
Trichlorofluoromethane
Concen: 50.396 ug/l
RT: 3.489 min Scan# 2
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:101 Resp: 174797

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.3	75.5

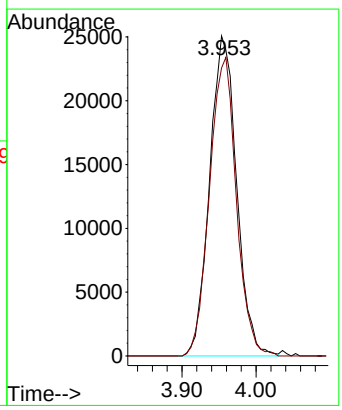


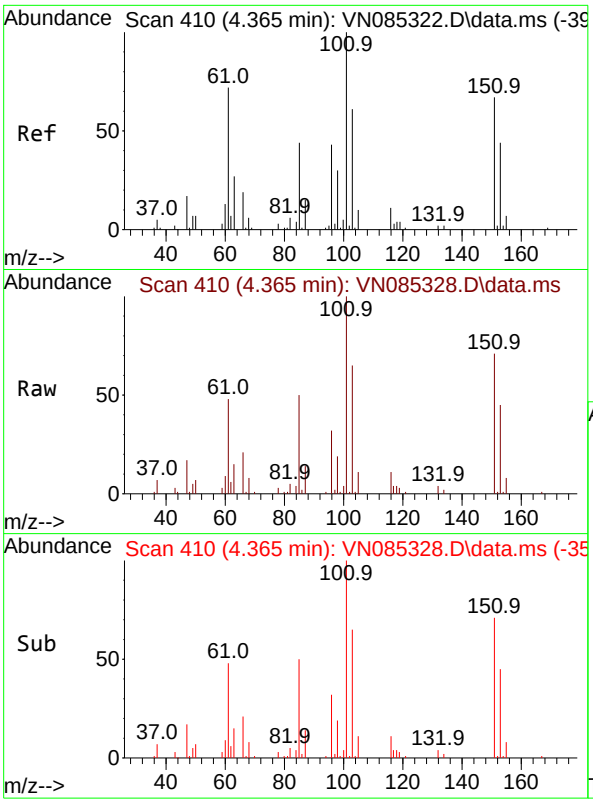


#8
Diethyl Ether
Concen: 55.098 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 74 Resp: 63278

Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.5	142.6



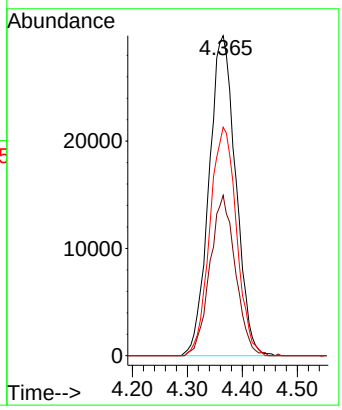


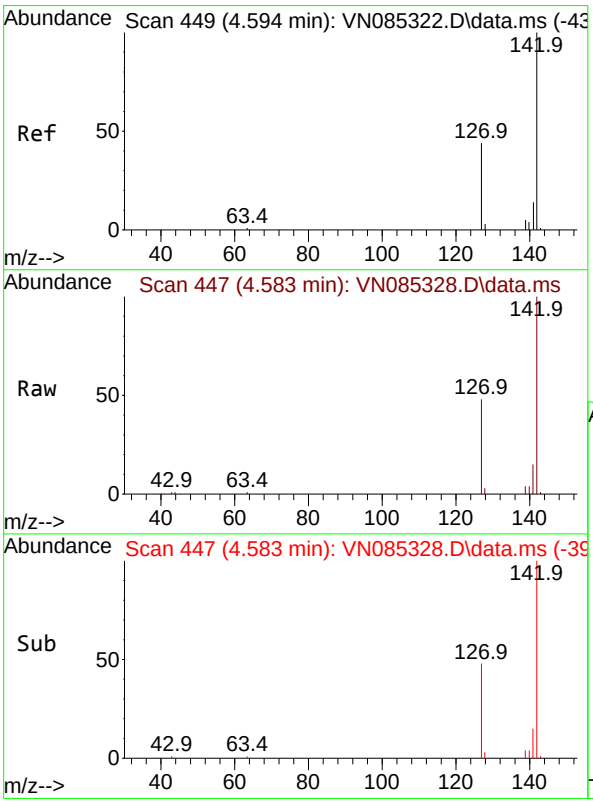
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.030 ug/l
RT: 4.365 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:101 Resp: 100713

Ion	Ratio	Lower	Upper
101	100		
85	47.7	36.2	54.4
151	71.0	55.8	83.6

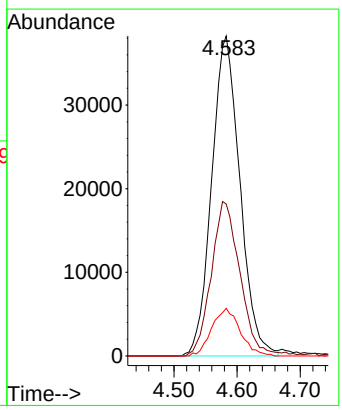


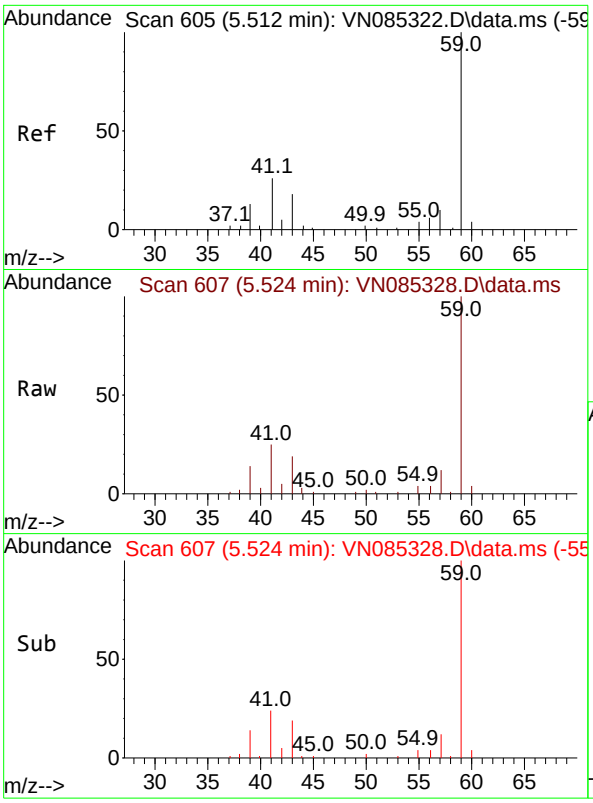


#10
Methyl Iodide
Concen: 52.018 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:142 Resp: 118805

Ion	Ratio	Lower	Upper
142	100		
127	47.5	35.3	52.9
141	14.9	11.5	17.3



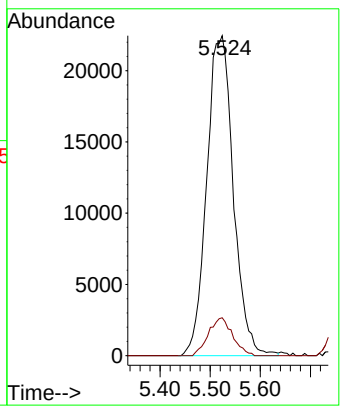


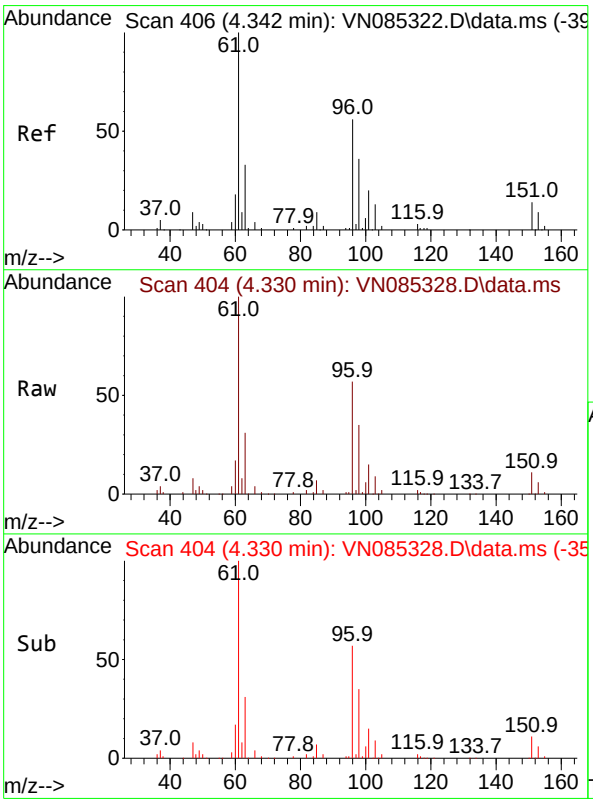
#11
Tert butyl alcohol
Concen: 282.346 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 59 Resp: 82769

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.1	12.1

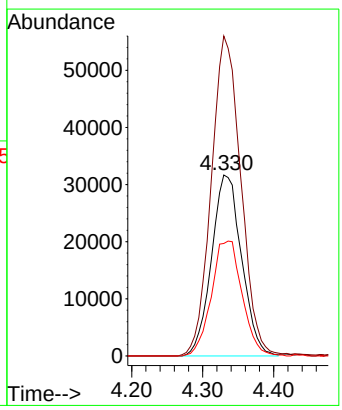


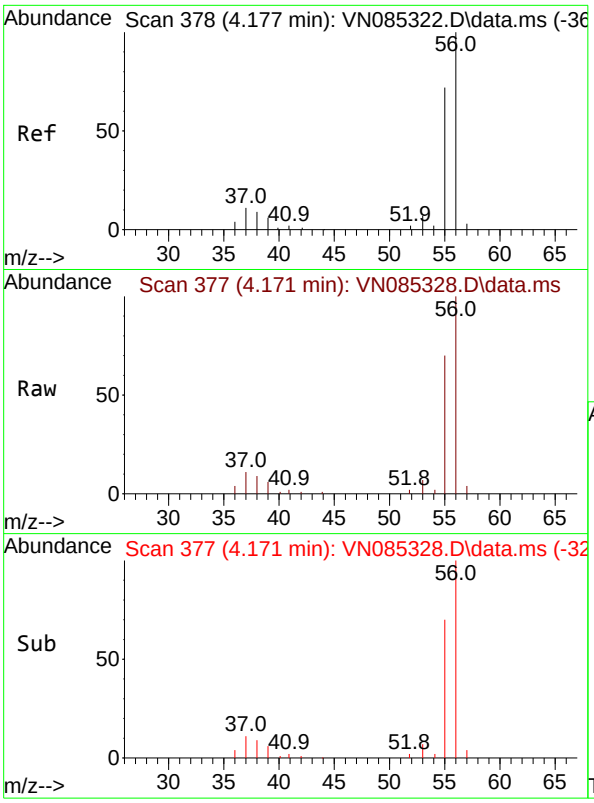


#12
1,1-Dichloroethene
Concen: 51.049 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 96 Resp: 93112

Ion	Ratio	Lower	Upper
96	100		
61	176.9	142.4	213.6
98	62.2	51.5	77.3



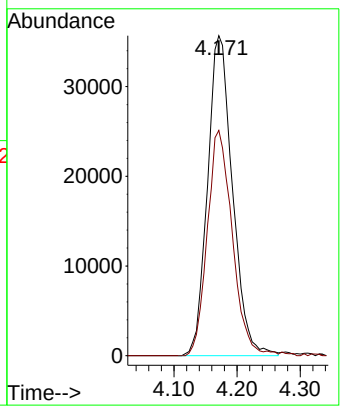


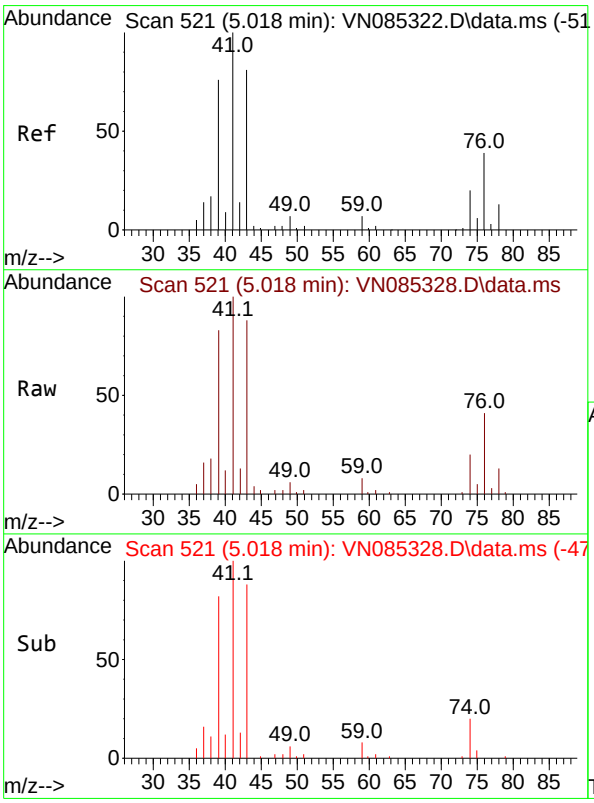
#13
Acrolein
Concen: 214.370 ug/l
RT: 4.171 min Scan# 3
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 56 Resp: 97975

Ion	Ratio	Lower	Upper
56	100		
55	70.5	57.5	86.3

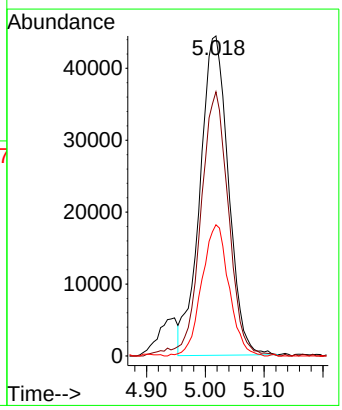


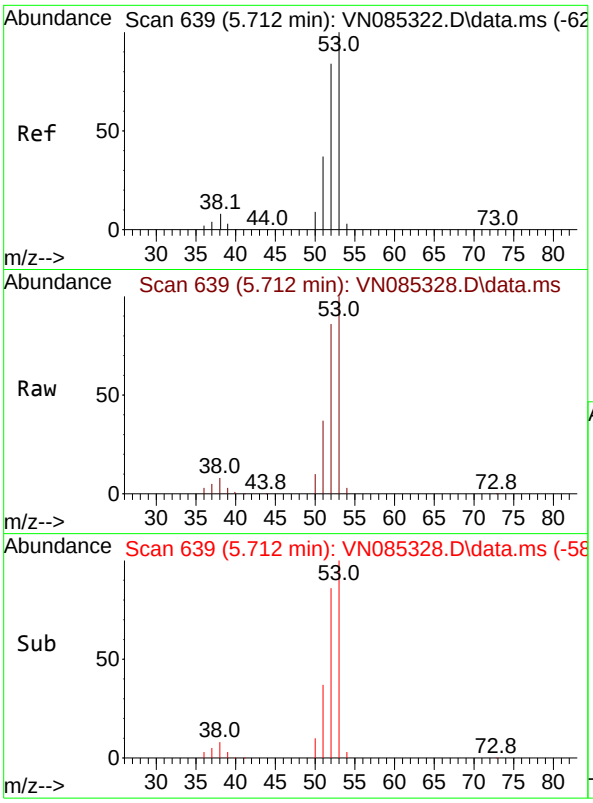


#14
Allyl chloride
Concen: 51.210 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 41 Resp: 149493

Ion	Ratio	Lower	Upper
41	100		
39	81.1	64.4	96.6
76	39.2	31.5	47.3



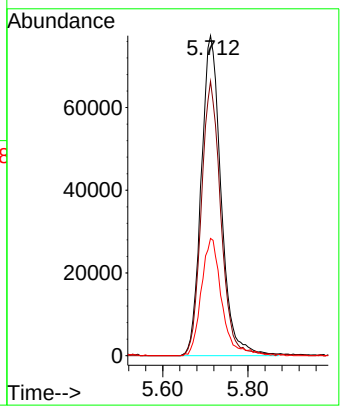


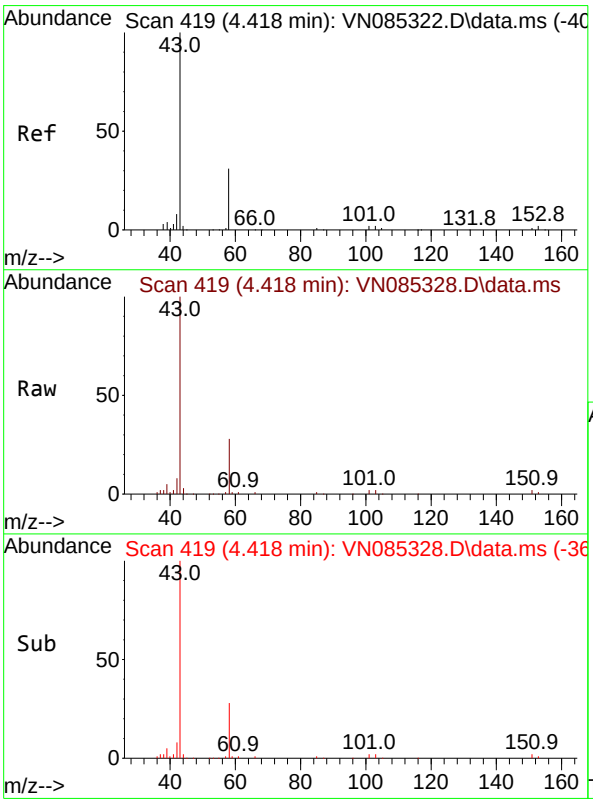
#15
Acrylonitrile
Concen: 271.490 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 53 Resp: 250489

Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	100.0
51	37.8	29.6	44.4

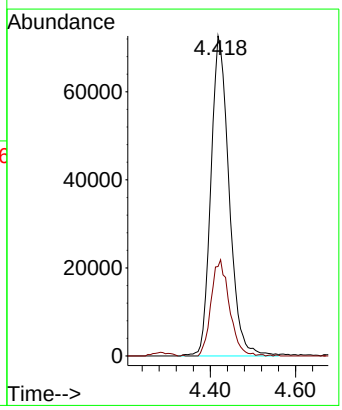


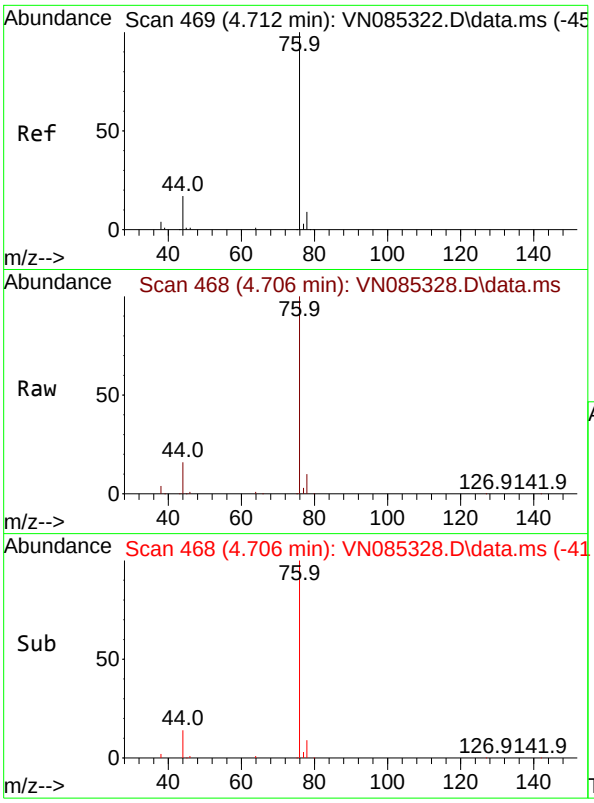


#16
Acetone
Concen: 279.767 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 215365

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.5	36.7



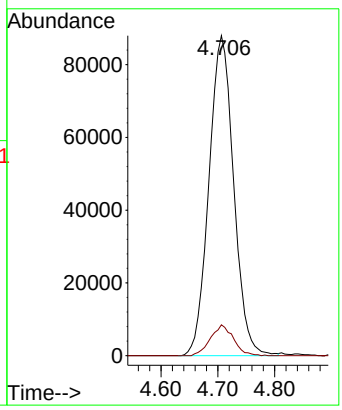


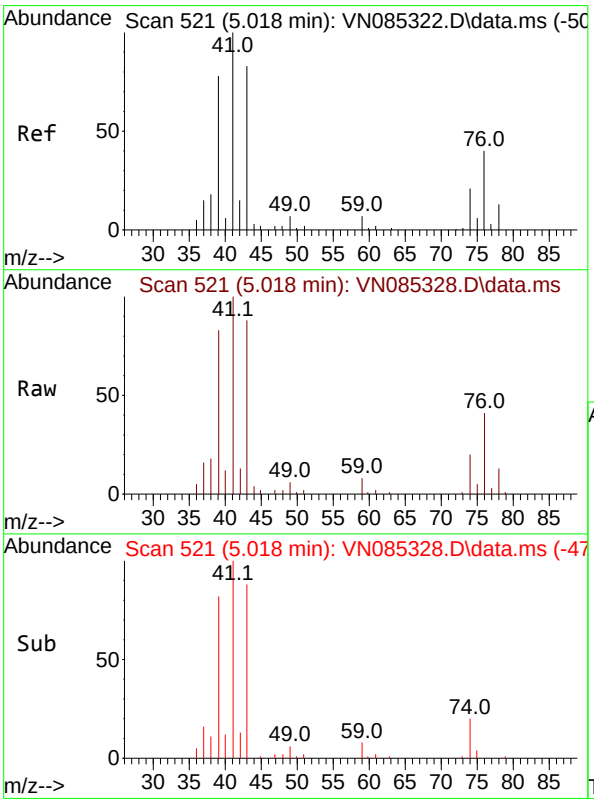
#17
Carbon Disulfide
Concen: 47.961 ug/l
RT: 4.706 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 76 Resp: 266129

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.2	10.8

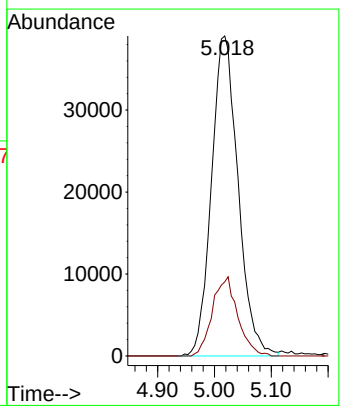


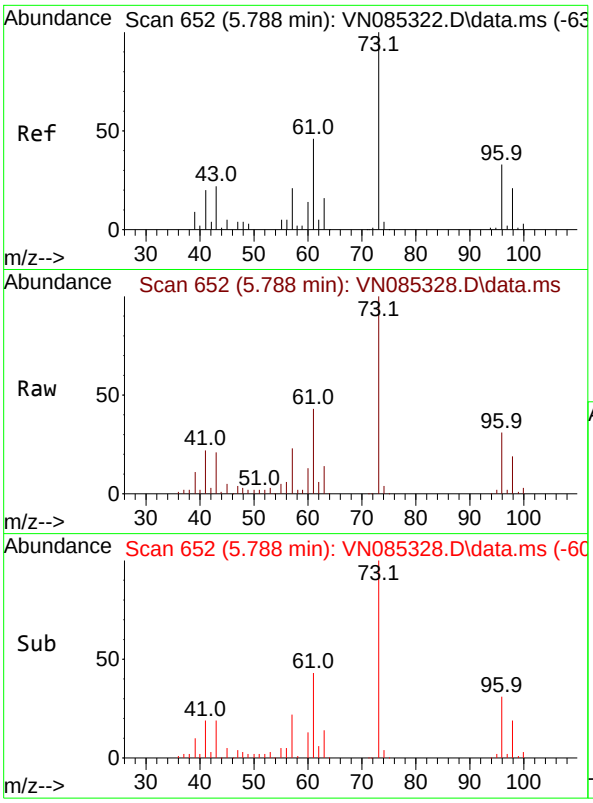


#18
Methyl Acetate
Concen: 53.913 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 127062

Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.0	28.6



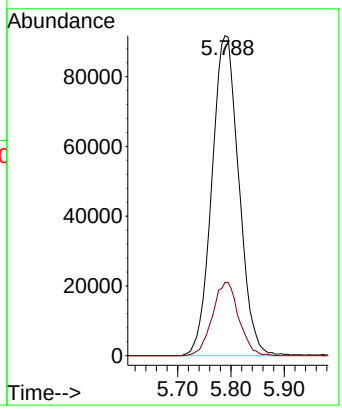


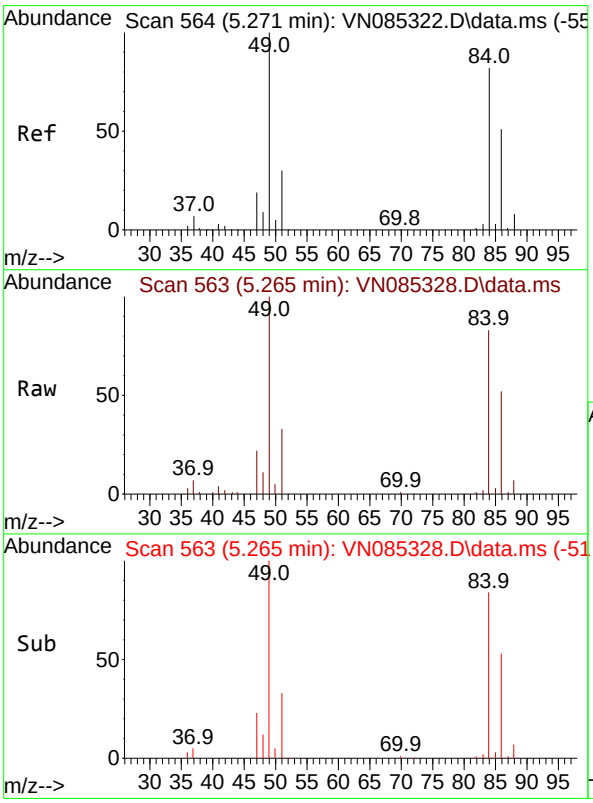
#19
Methyl tert-butyl Ether
Concen: 54.338 ug/l
RT: 5.788 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 73 Resp: 322145

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.0	25.6

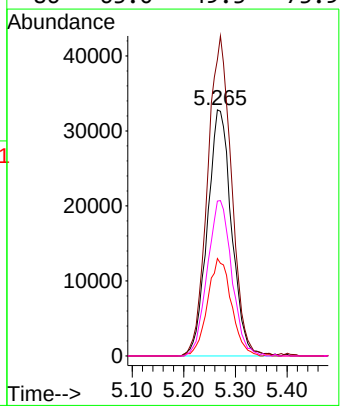


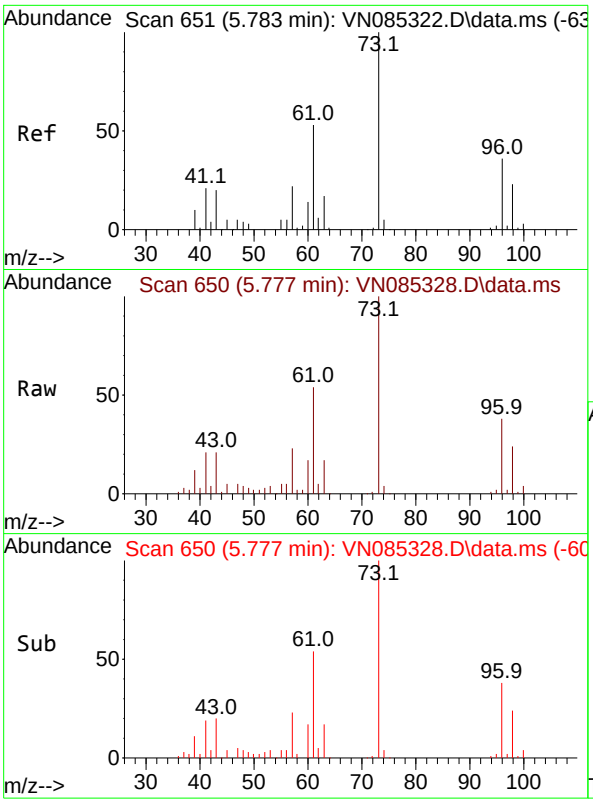


#20
Methylene Chloride
Concen: 51.370 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 84 Resp: 106365

Ion	Ratio	Lower	Upper
84	100		
49	120.4	97.6	146.4
51	39.6	29.1	43.7
86	63.0	49.3	73.9



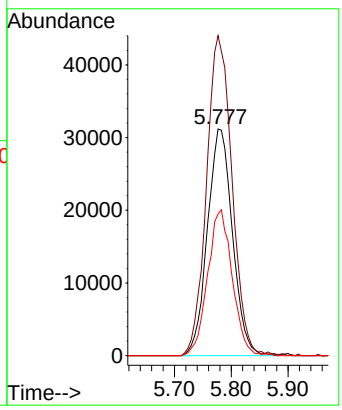


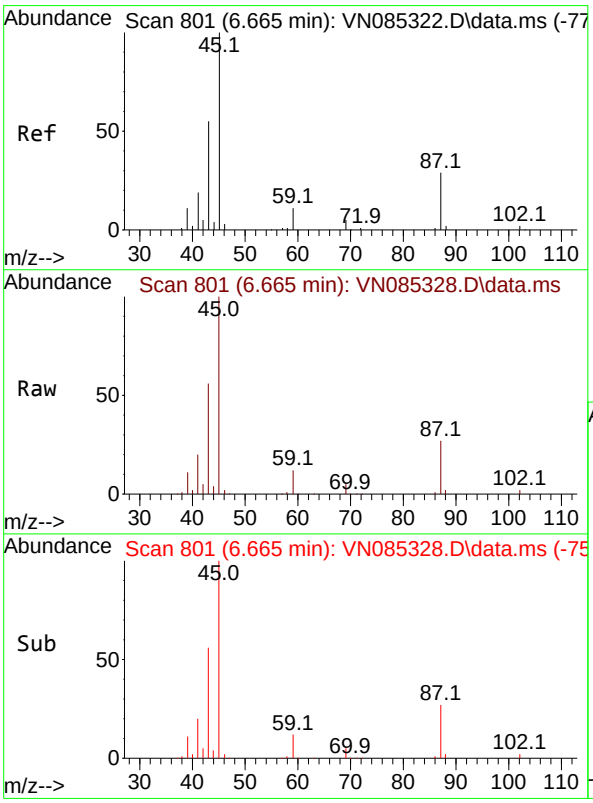
#21
trans-1,2-Dichloroethene
Concen: 50.262 ug/l
RT: 5.777 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 96 Resp: 95767

Ion	Ratio	Lower	Upper
96	100		
61	141.1	118.0	177.0
98	62.5	50.6	75.8

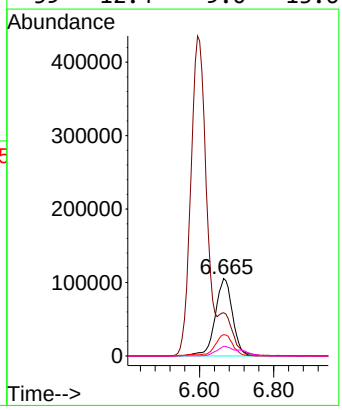


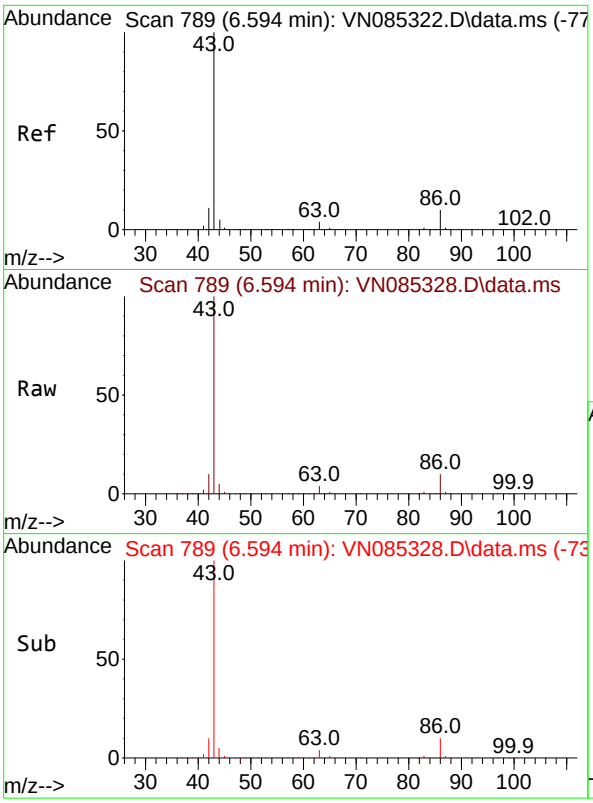


#22
Diisopropyl ether
Concen: 54.277 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 45 Resp: 341434

Ion	Ratio	Lower	Upper
45	100		
43	55.1	44.1	66.1
87	27.4	23.2	34.8
59	12.4	9.0	13.6



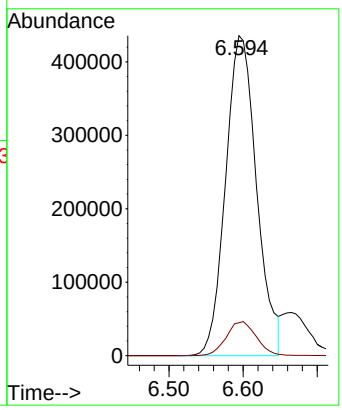


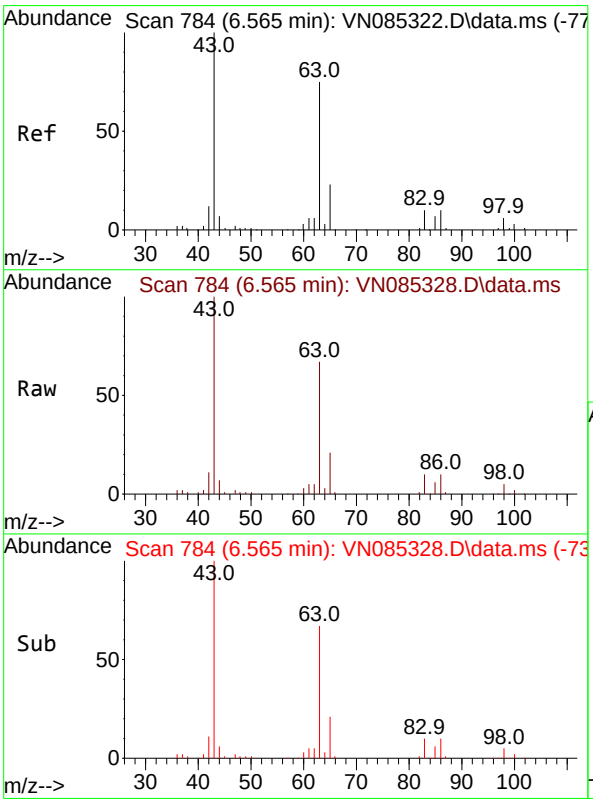
#23
Vinyl Acetate
Concen: 278.352 ug/l
RT: 6.594 min Scan# 7
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 1266714

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.0	12.0

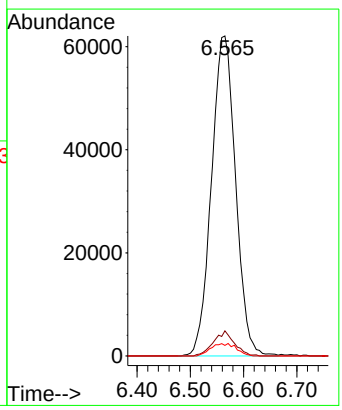


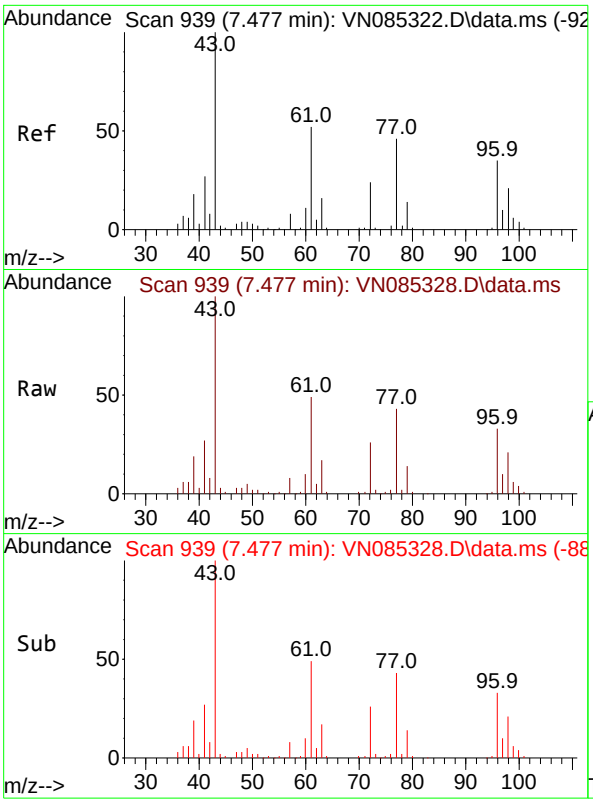


#24
1,1-Dichloroethane
Concen: 51.577 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 63 Resp: 195446

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.7	11.1
100	3.3	2.3	6.8



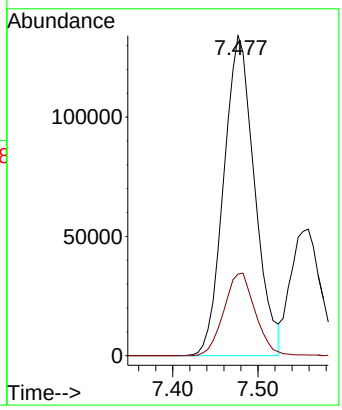


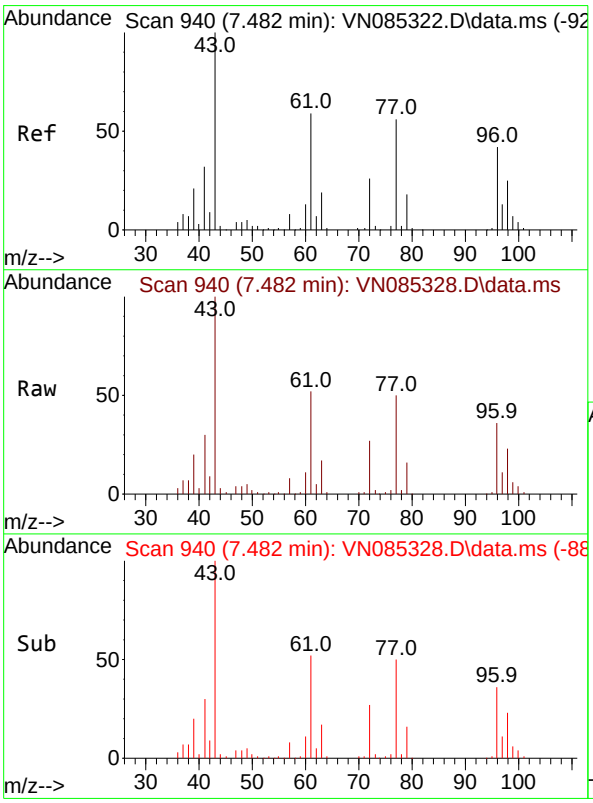
#25
2-Butanone
Concen: 283.341 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 338384

Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.6	29.4

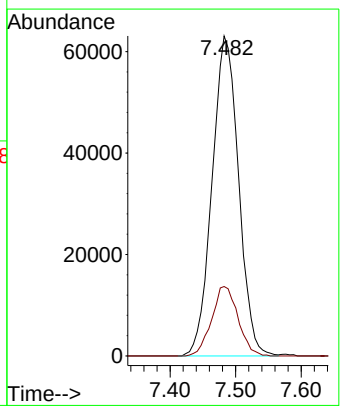


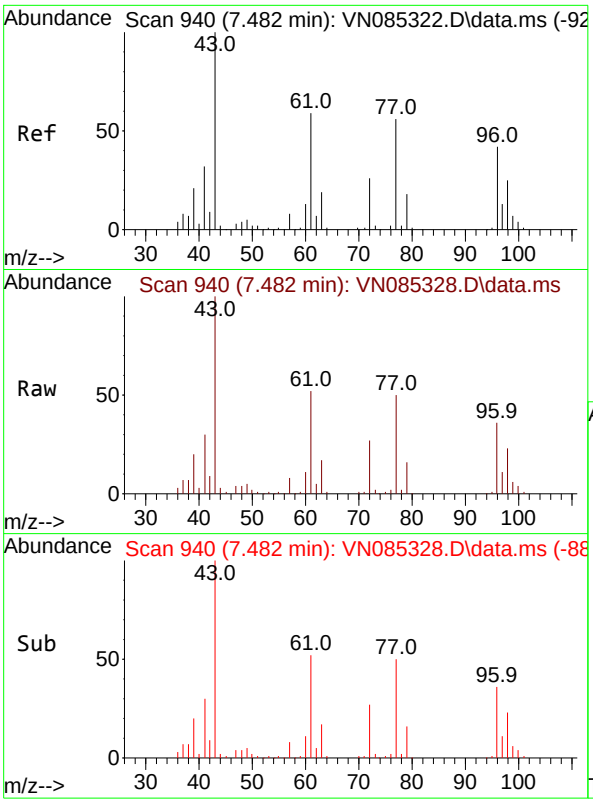


#26
2,2-Dichloropropane
Concen: 53.283 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 77 Resp: 176896

Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.6	31.8



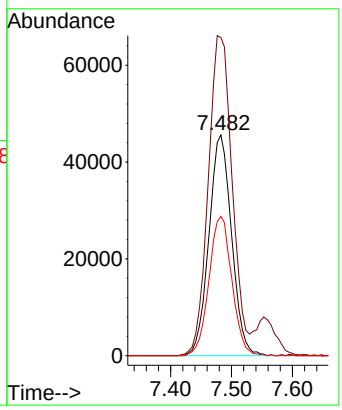


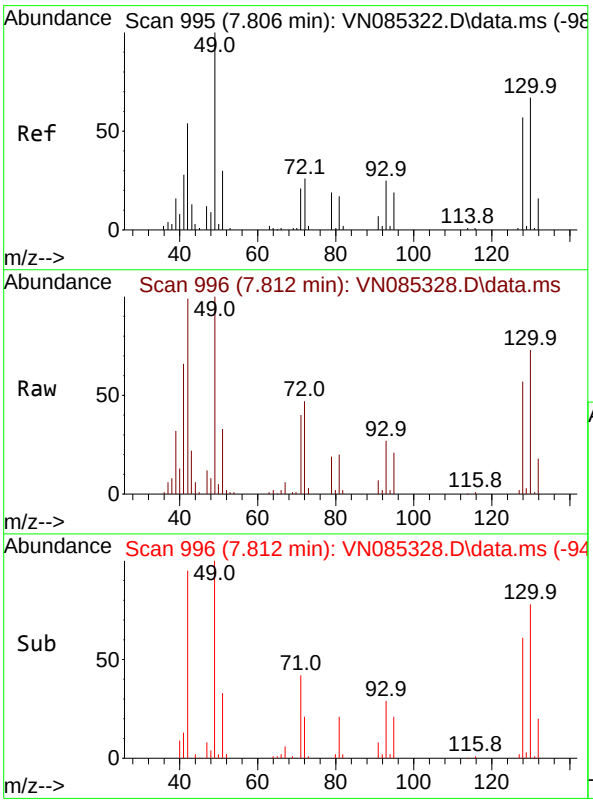
#27
cis-1,2-Dichloroethene
Concen: 52.846 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 96 Resp: 118182

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	296.4
98	63.6	0.0	124.2

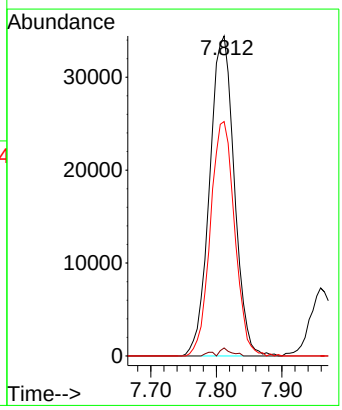


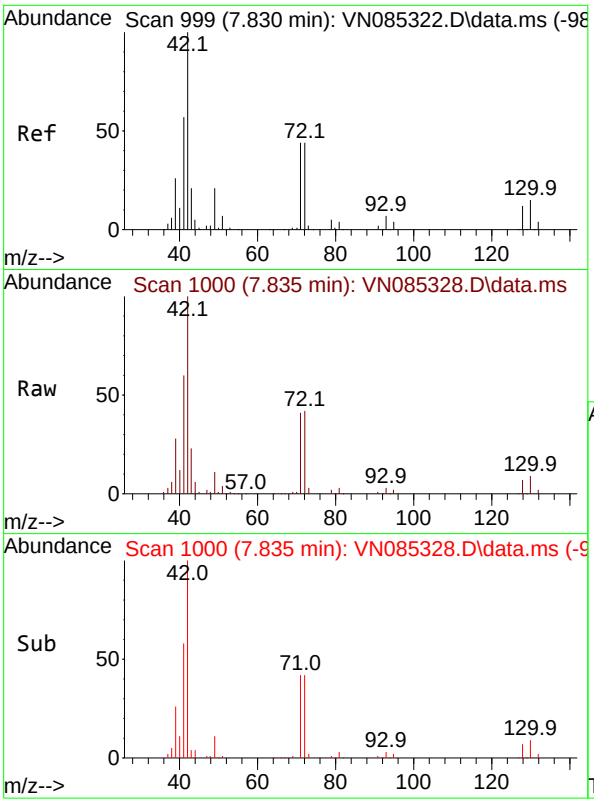


#28
Bromochloromethane
Concen: 51.112 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 49 Resp: 90008

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	71.9	0.0	0.0#



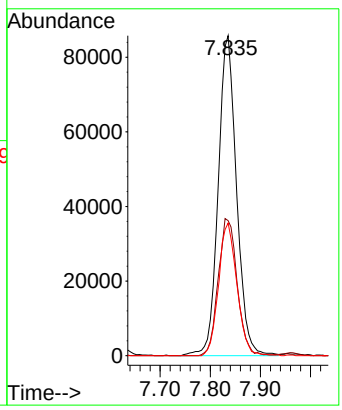


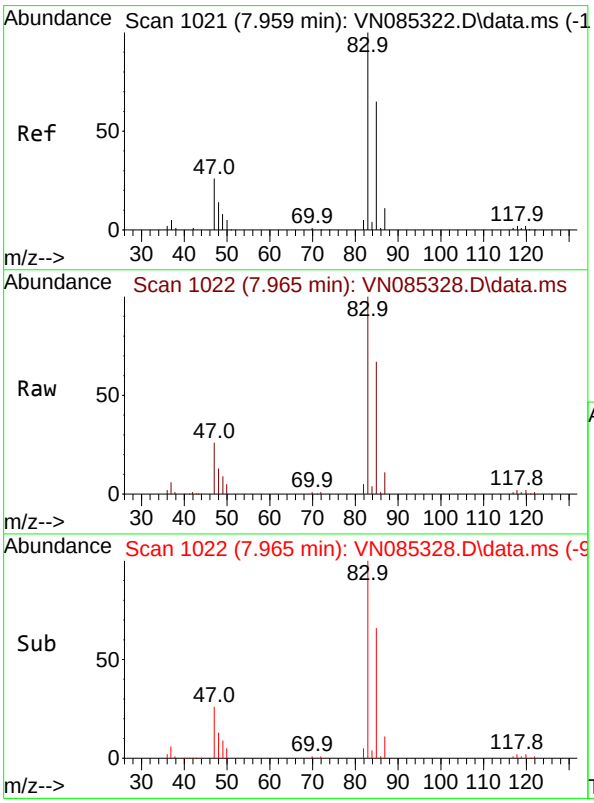
#29
Tetrahydrofuran
Concen: 283.909 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 42 Resp: 218407

Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.1	52.7
71	41.4	33.4	50.0

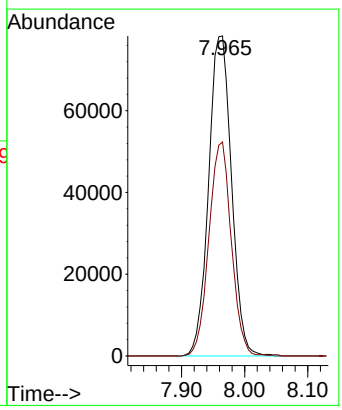


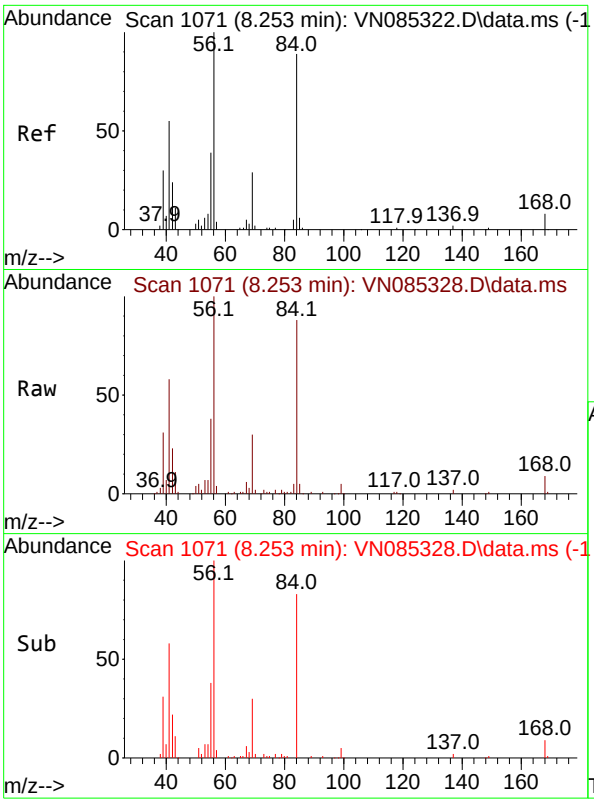


#30
Chloroform
Concen: 50.890 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 83 Resp: 197287

Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.0	78.0



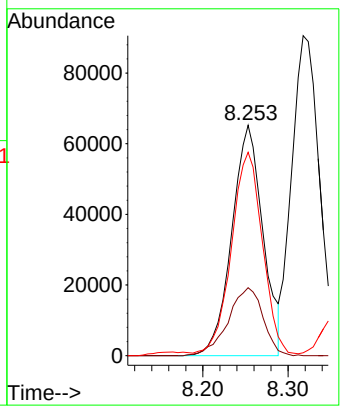


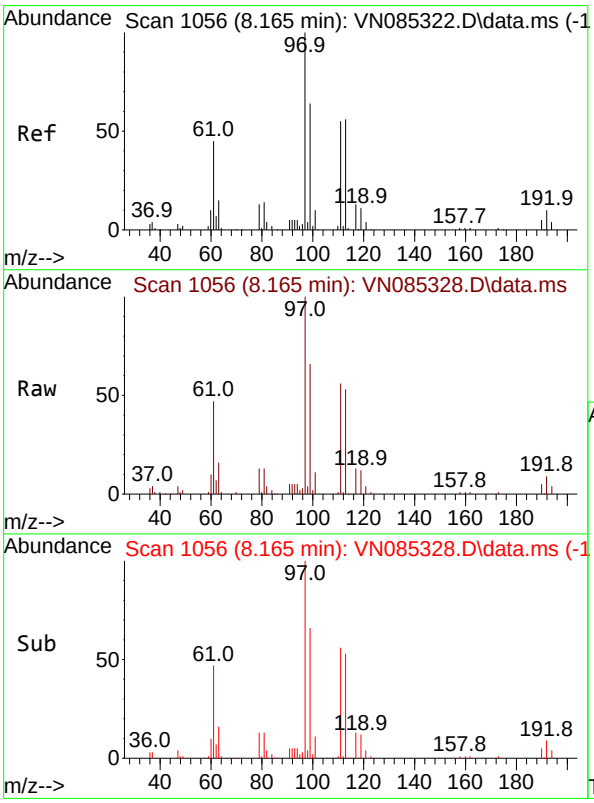
#31
Cyclohexane
Concen: 47.956 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 56 Resp: 165938

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.0
84	87.0	71.0	106.6

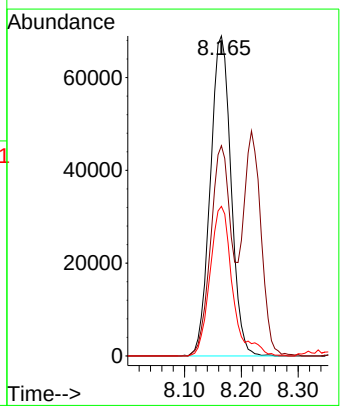


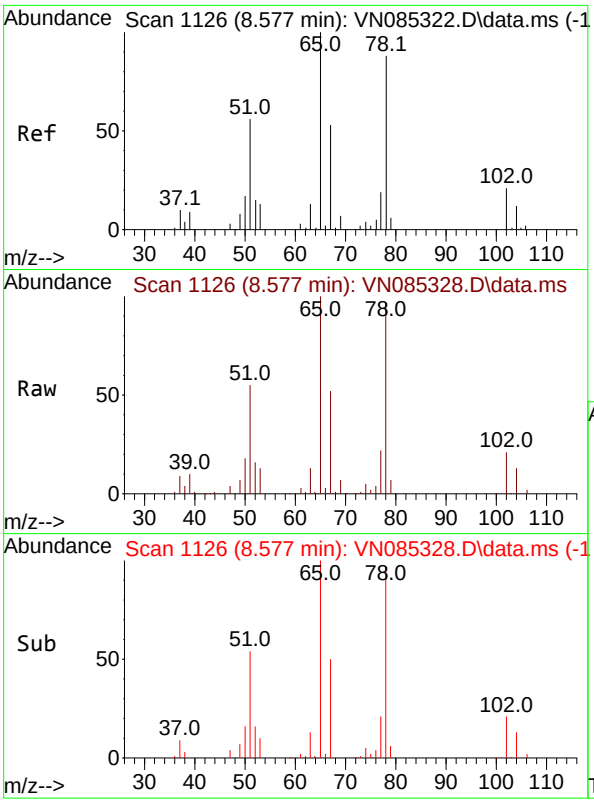


#32
1,1,1-Trichloroethane
Concen: 50.333 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 97 Resp: 174266

Ion	Ratio	Lower	Upper
97	100		
99	67.2	53.3	79.9
61	50.8	39.6	59.4



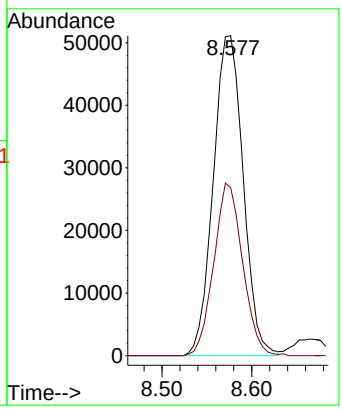


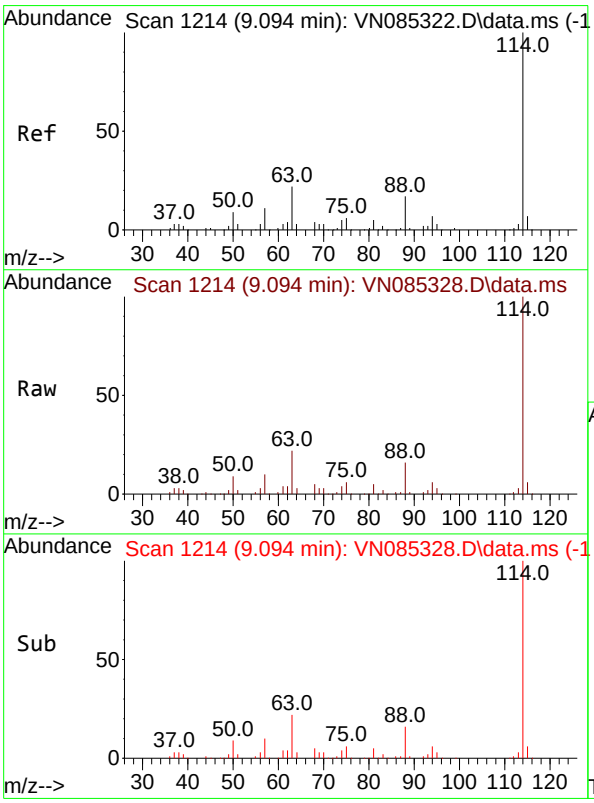
#33
1,2-Dichloroethane-d4
Concen: 50.547 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 65 Resp: 118332

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.0

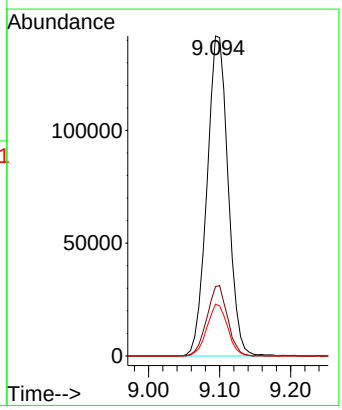


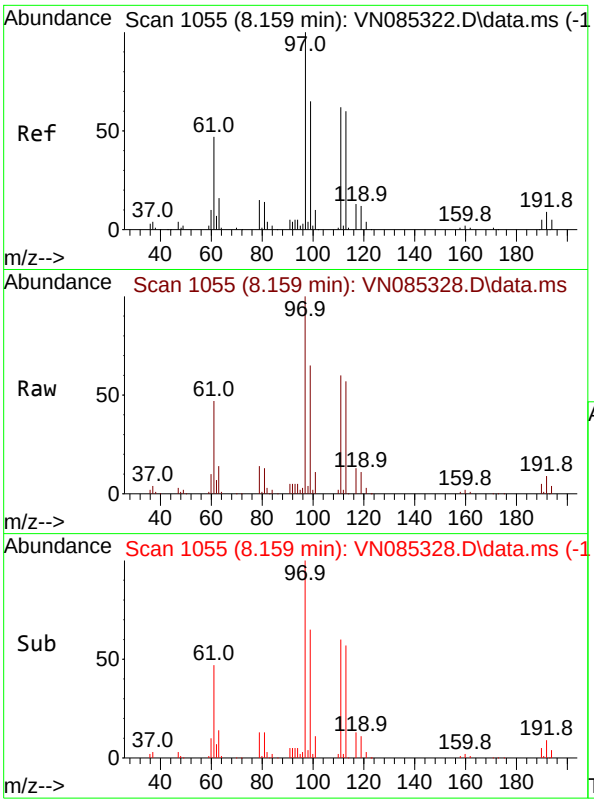


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:114 Resp: 292504

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.4
88	16.2	0.0	33.6



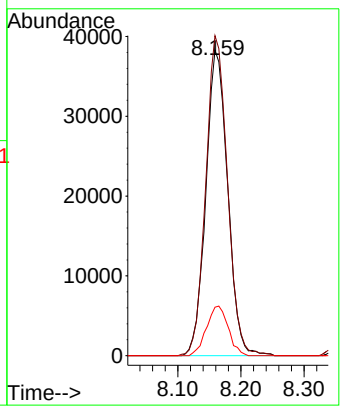


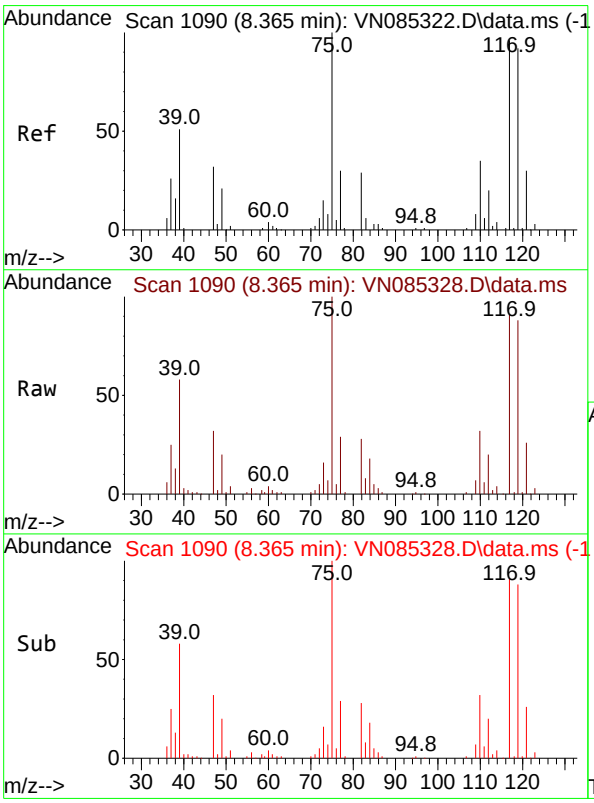
#35
Dibromofluoromethane
Concen: 50.398 ug/l
RT: 8.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:113 Resp: 91966

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.5	120.7
192	16.1	12.9	19.3

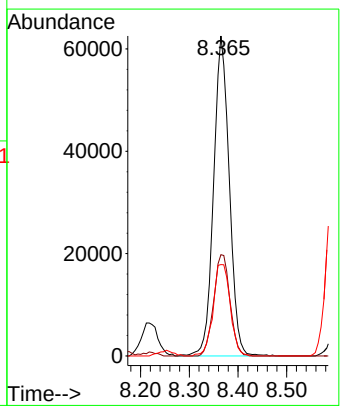


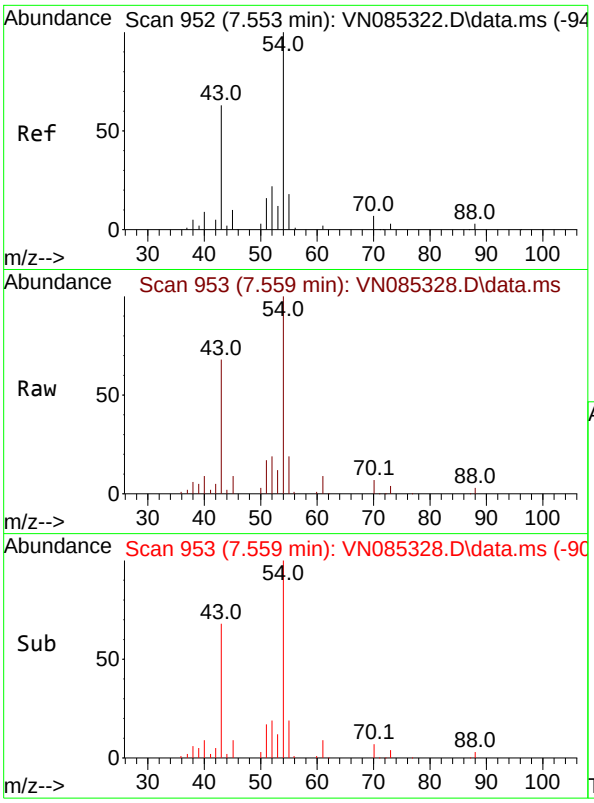


#36
1,1-Dichloropropene
Concen: 52.447 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 140127

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.6	49.8
77	31.2	24.3	36.5



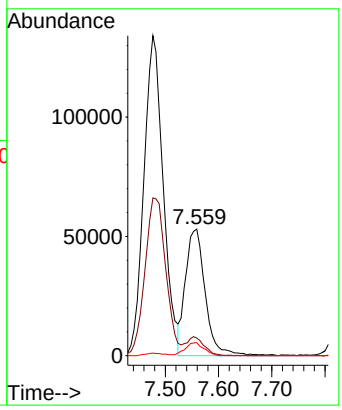


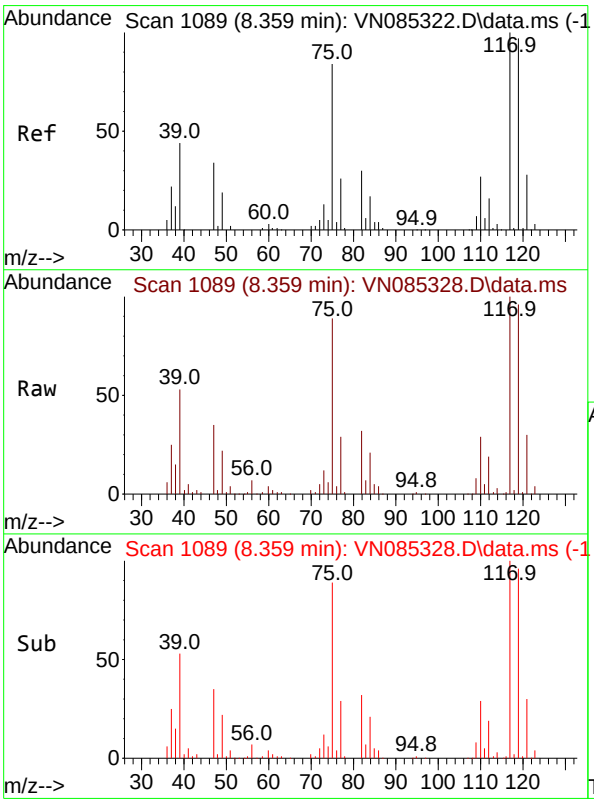
#37
Ethyl Acetate
Concen: 51.666 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 137205

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	9.7	8.2	12.2

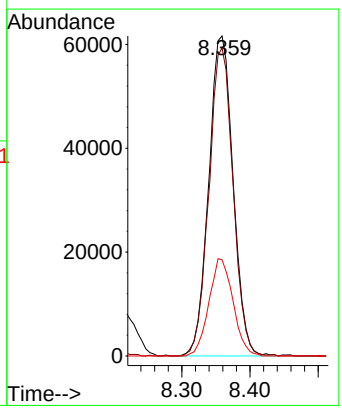


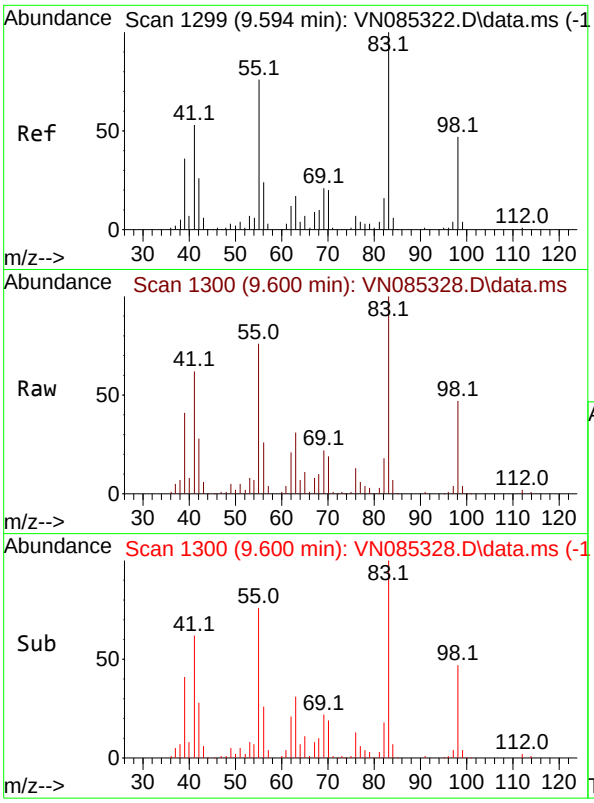


#38
Carbon Tetrachloride
Concen: 52.672 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:117 Resp: 153395

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.6
121	30.0	22.5	33.7



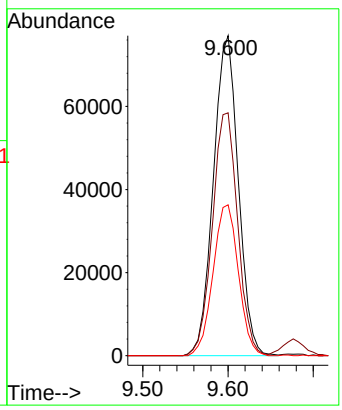


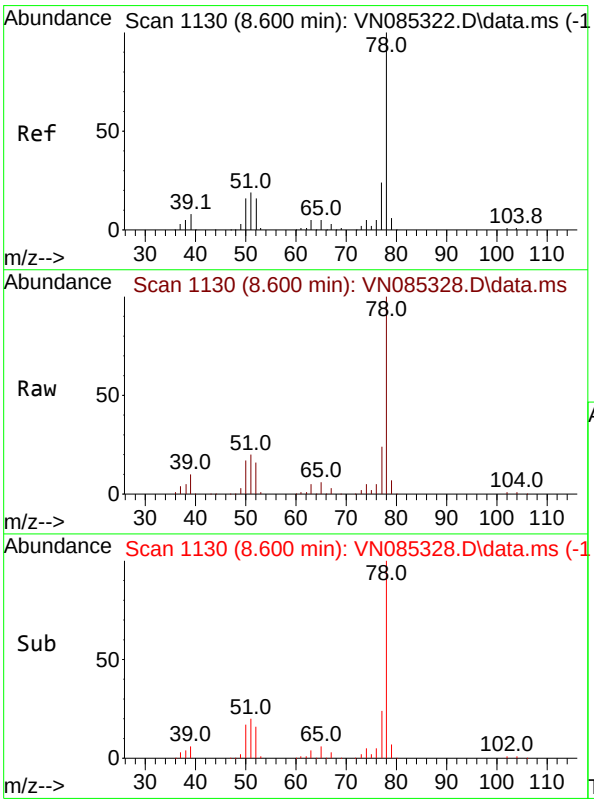
#39
Methylcyclohexane
Concen: 56.501 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 83 Resp: 156627

Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.7	91.1
98	47.1	37.7	56.5

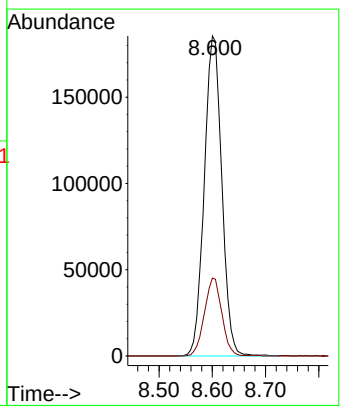


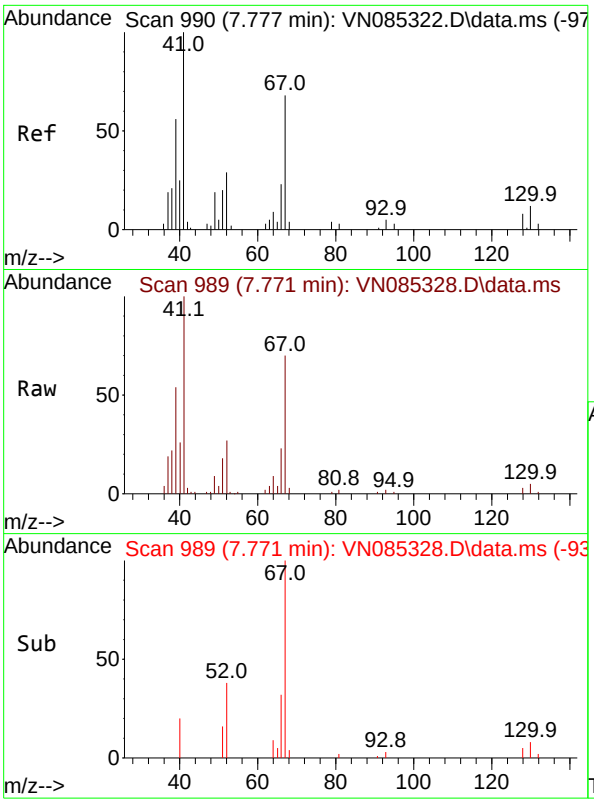


#40
Benzene
Concen: 52.550 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 78 Resp: 424501

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4



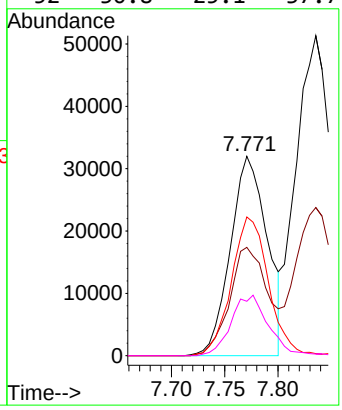


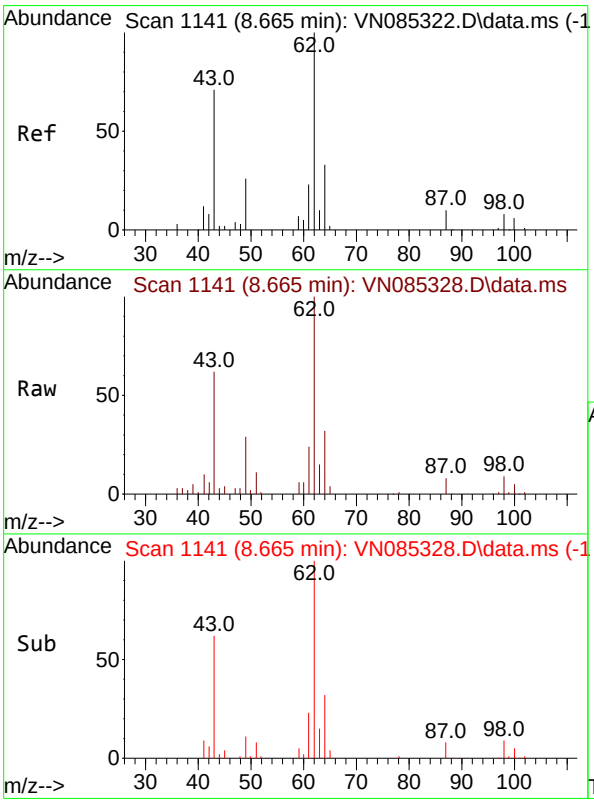
#41
Methacrylonitrile
Concen: 56.677 ug/l
RT: 7.771 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 41 Resp: 77084

Ion	Ratio	Lower	Upper
41	100		
39	55.8	45.8	68.8
67	70.2	57.1	85.7
52	30.8	25.1	37.7

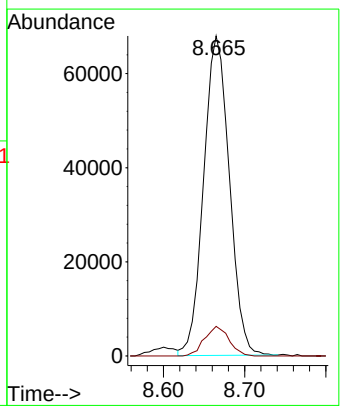


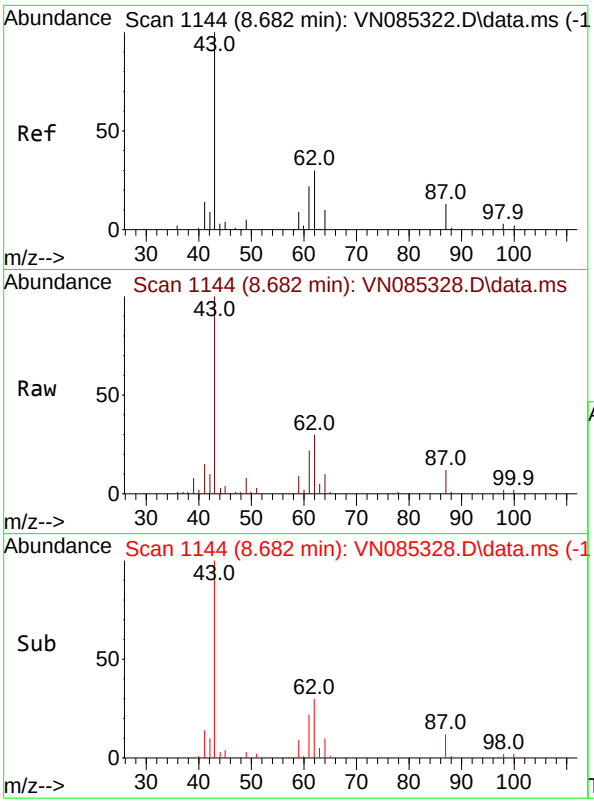


#42
1,2-Dichloroethane
Concen: 51.568 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 62 Resp: 149352

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



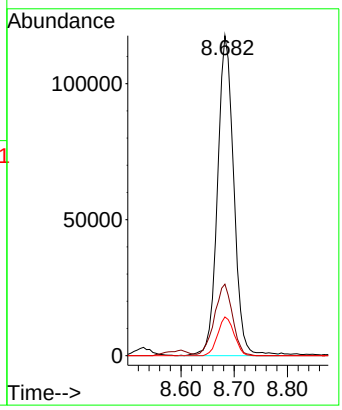


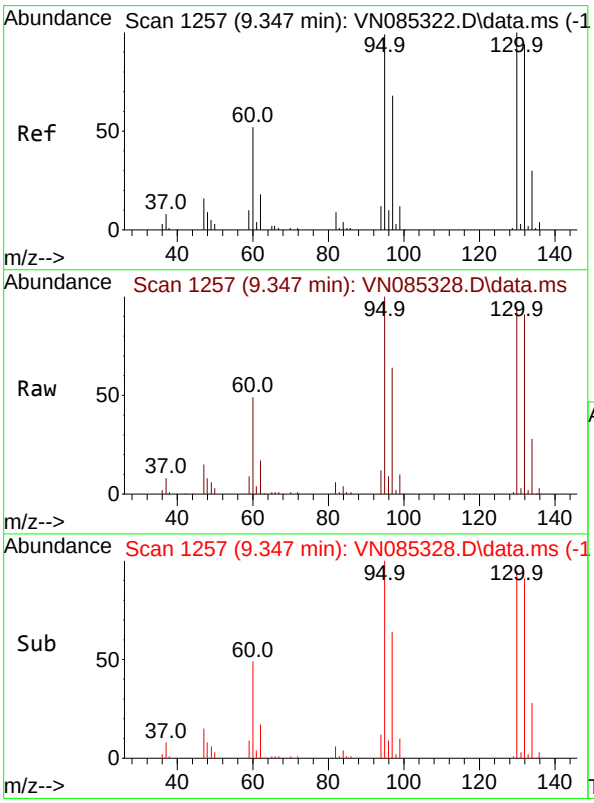
#43
Isopropyl Acetate
Concen: 56.953 ug/l
RT: 8.682 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 249040

Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.8	31.2
87	12.2	10.2	15.4

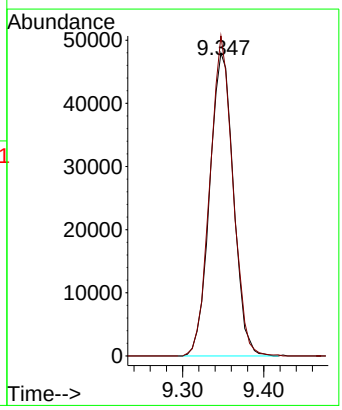


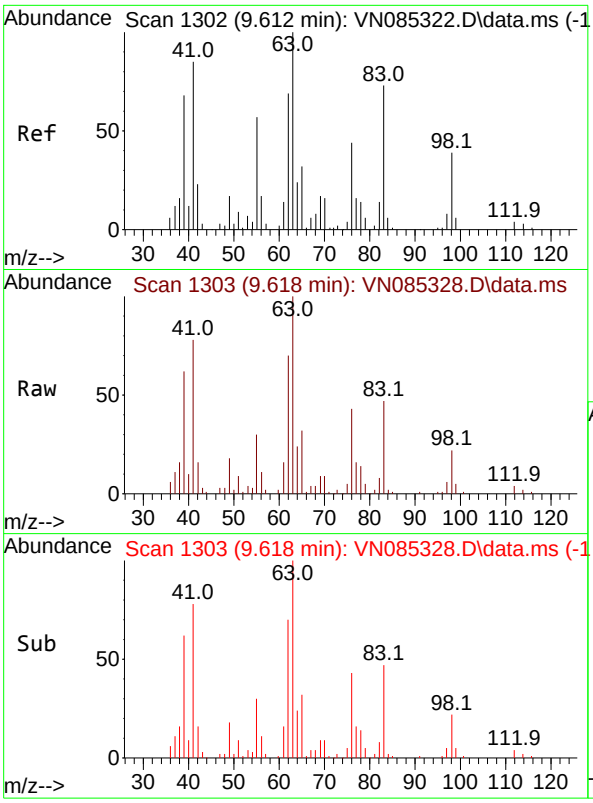


#44
Trichloroethene
Concen: 50.930 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:130 Resp: 97403

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	197.8



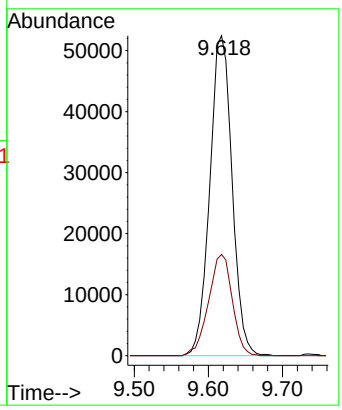


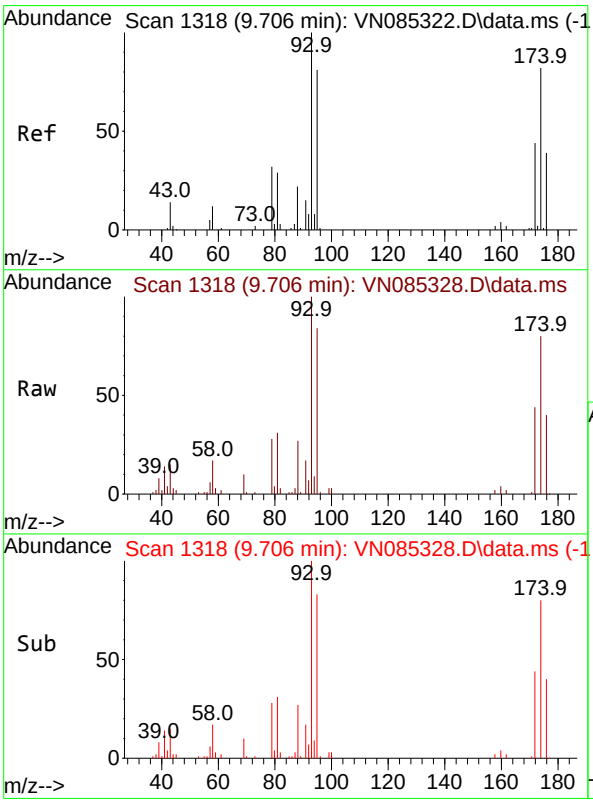
#45
1,2-Dichloropropane
Concen: 53.441 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 63 Resp: 109589

Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.5	38.3

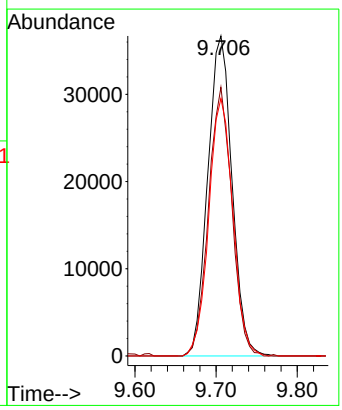


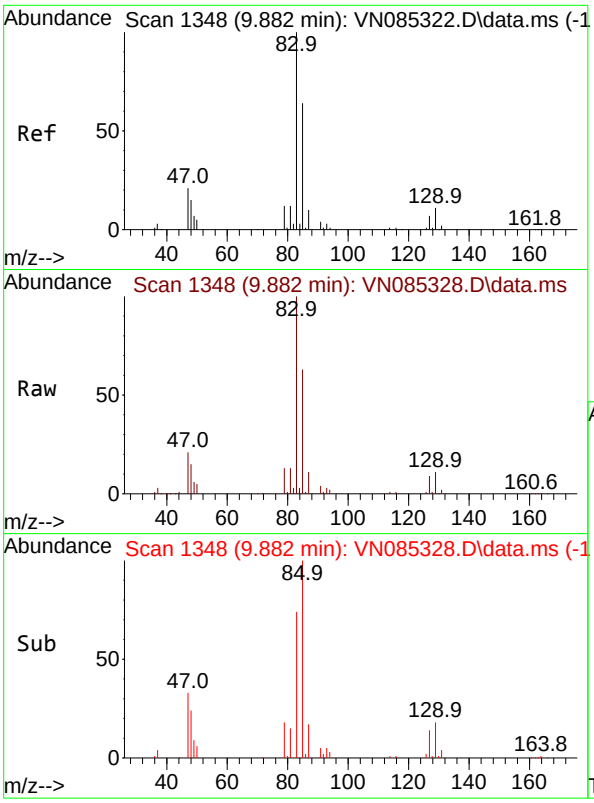


#46
Dibromomethane
Concen: 53.491 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 93 Resp: 76287

Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.3	97.9
174	79.7	66.4	99.6



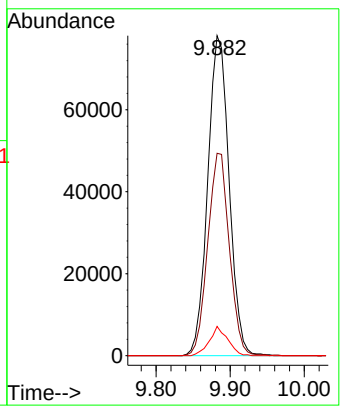


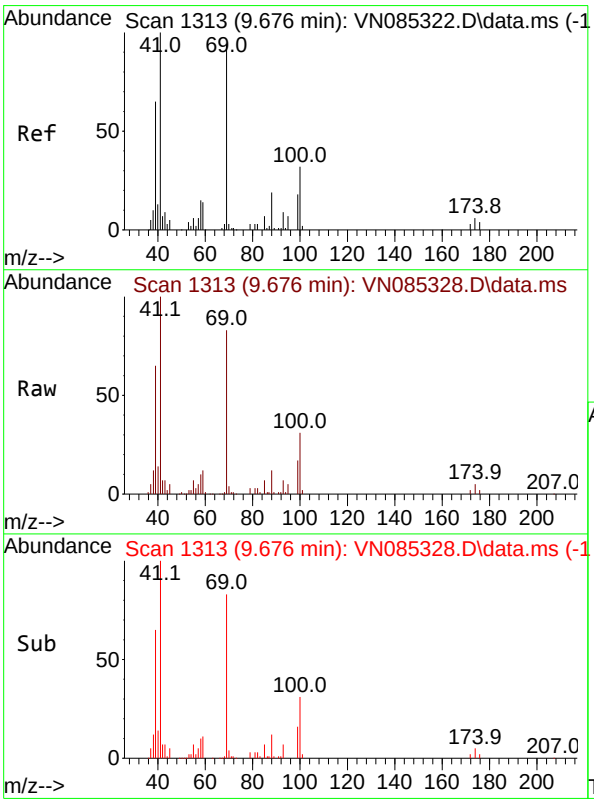
#47
Bromodichloromethane
Concen: 52.728 ug/l
RT: 9.882 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 83 Resp: 156297

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4
127	9.2	5.8	8.6#

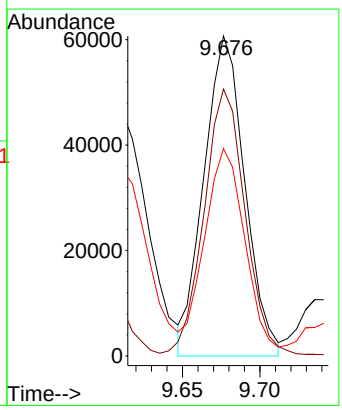


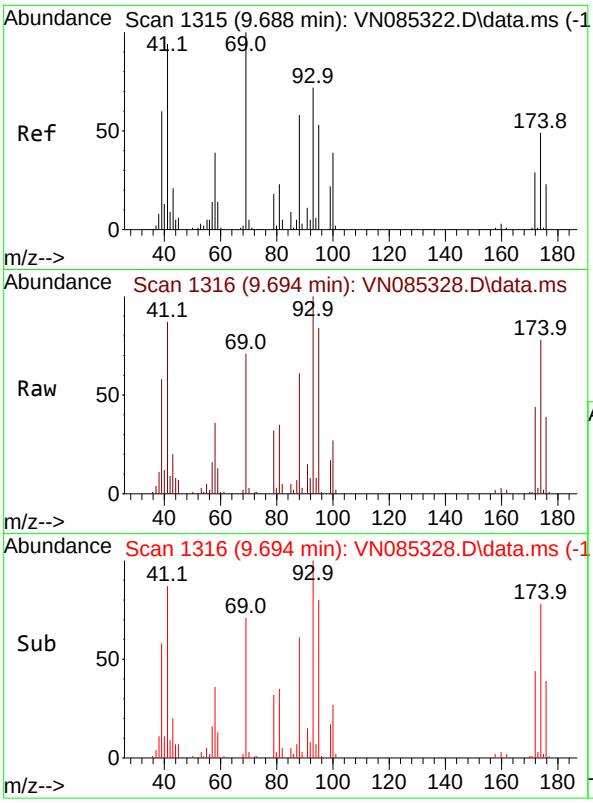


#48
Methyl methacrylate
Concen: 58.590 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 41 Resp: 111168

Ion	Ratio	Lower	Upper
41	100		
69	84.6	67.7	101.5
39	64.9	51.2	76.8



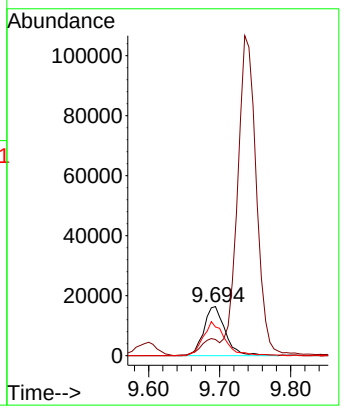


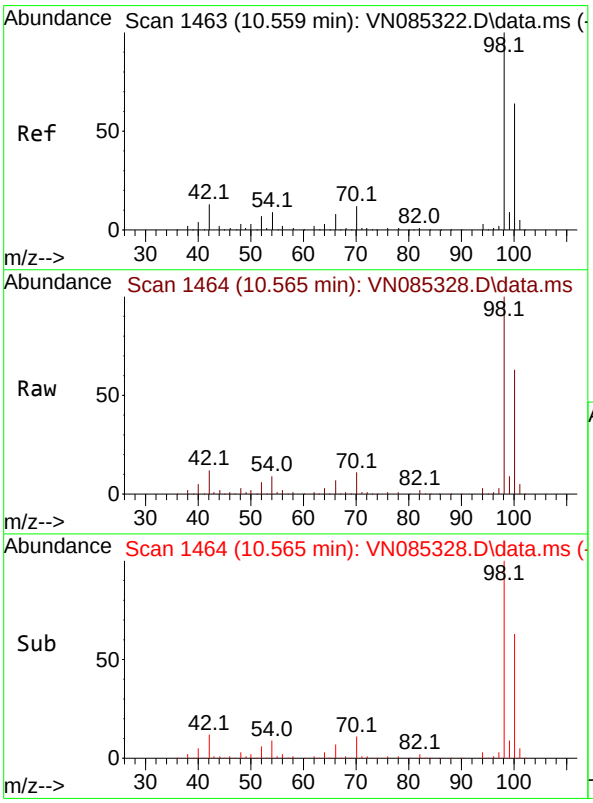
#49
1,4-Dioxane
Concen: 1197.029 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 88 Resp: 34268

Ion	Ratio	Lower	Upper
88	100		
43	30.3	22.1	33.1
58	70.6	56.7	85.1

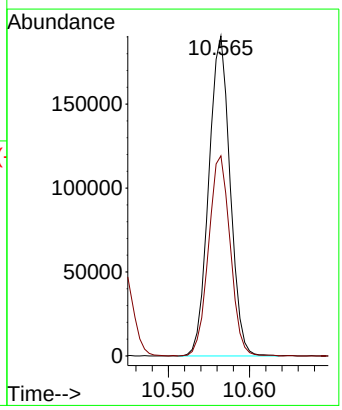


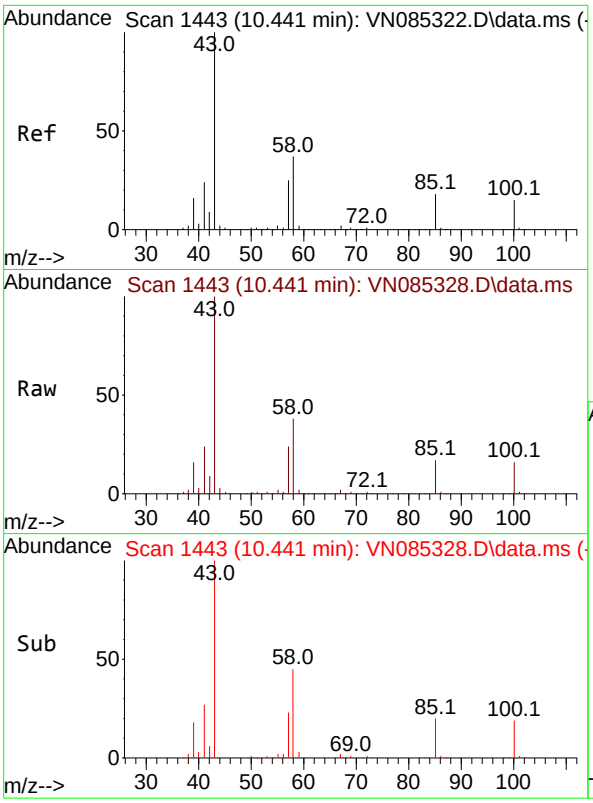


#50
Toluene-d8
Concen: 51.871 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 98 Resp: 347336

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3



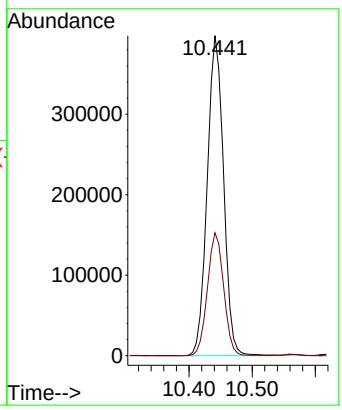


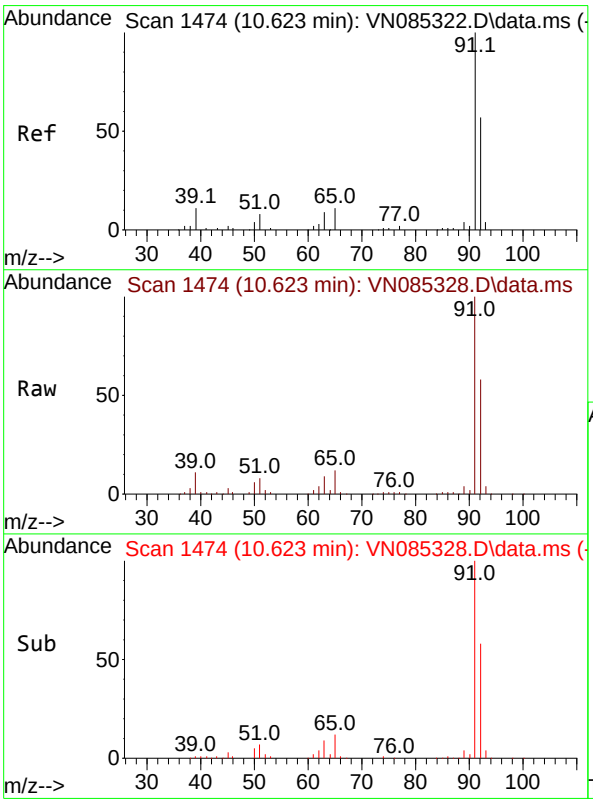
#51
4-Methyl-2-Pentanone
Concen: 290.641 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 714200

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.3	45.5

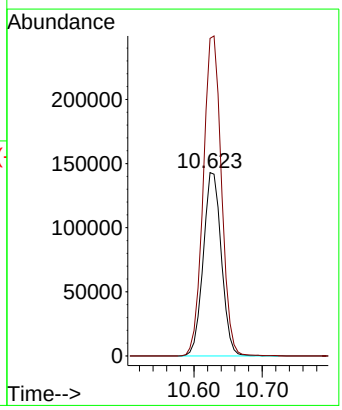


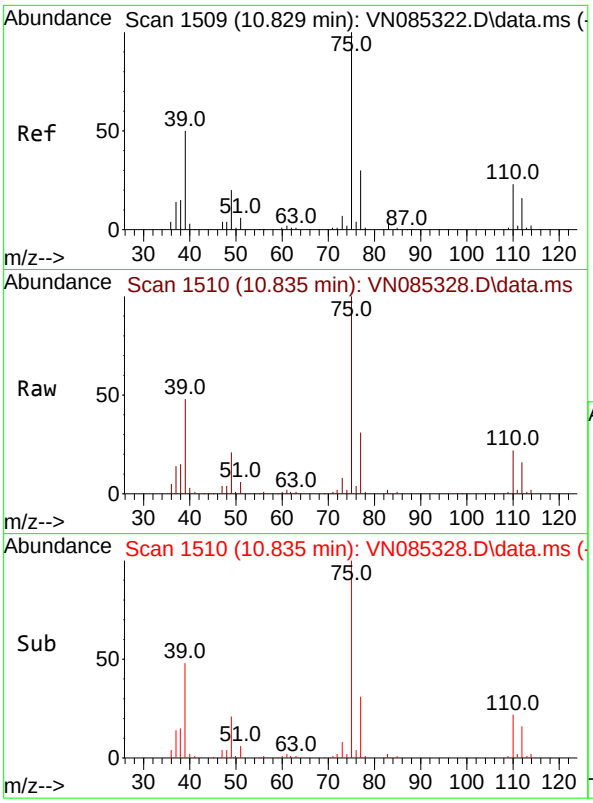


#52
Toluene
Concen: 54.941 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 92 Resp: 264263

Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.2	210.4



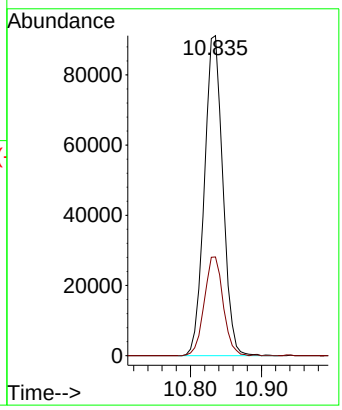


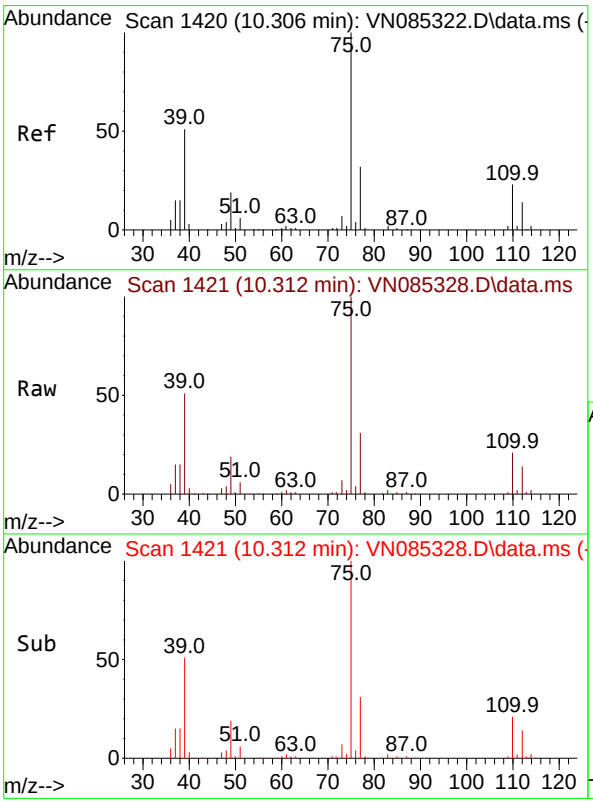
#53
t-1,3-Dichloropropene
Concen: 56.497 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 75 Resp: 164691

Ion	Ratio	Lower	Upper
75	100		
77	30.8	23.8	35.6

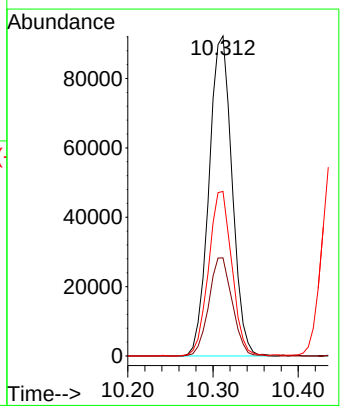


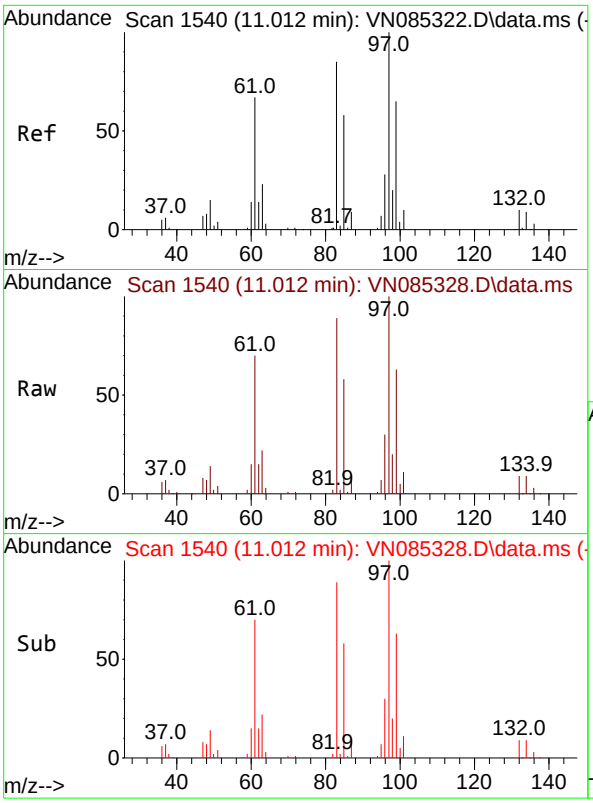


#54
cis-1,3-Dichloropropene
Concen: 55.040 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 173493

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	51.4	40.5	60.7



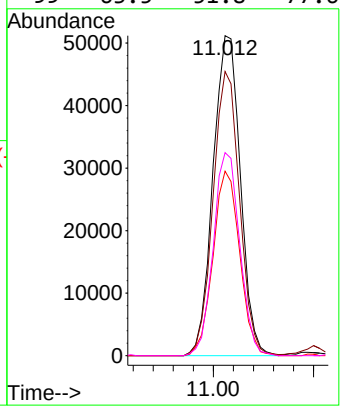


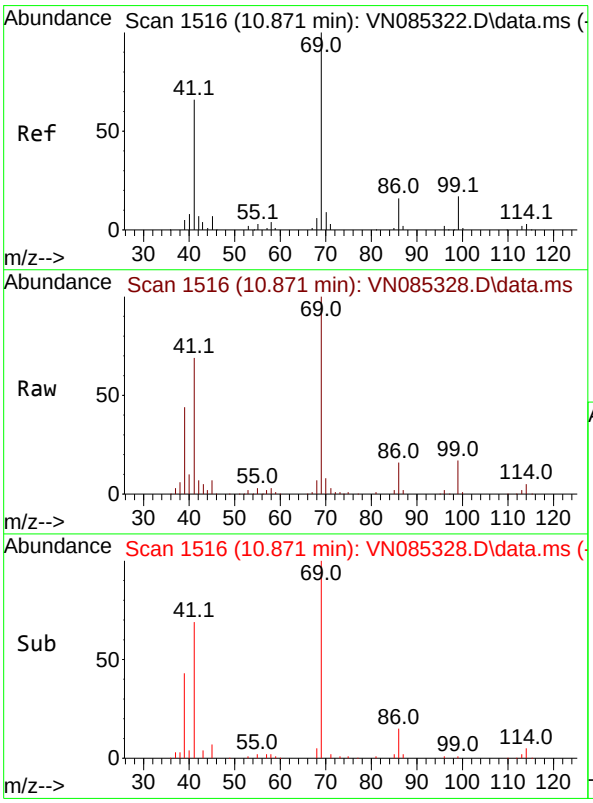
#55
1,1,2-Trichloroethane
Concen: 53.314 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 97 Resp: 96817

Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.7	101.5
85	57.7	46.2	69.4
99	63.5	51.8	77.6

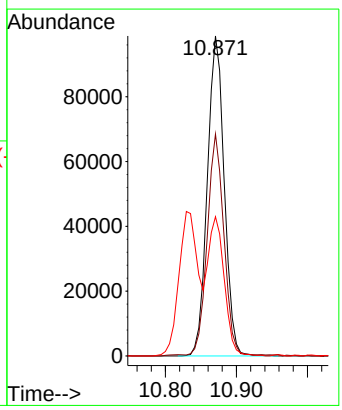


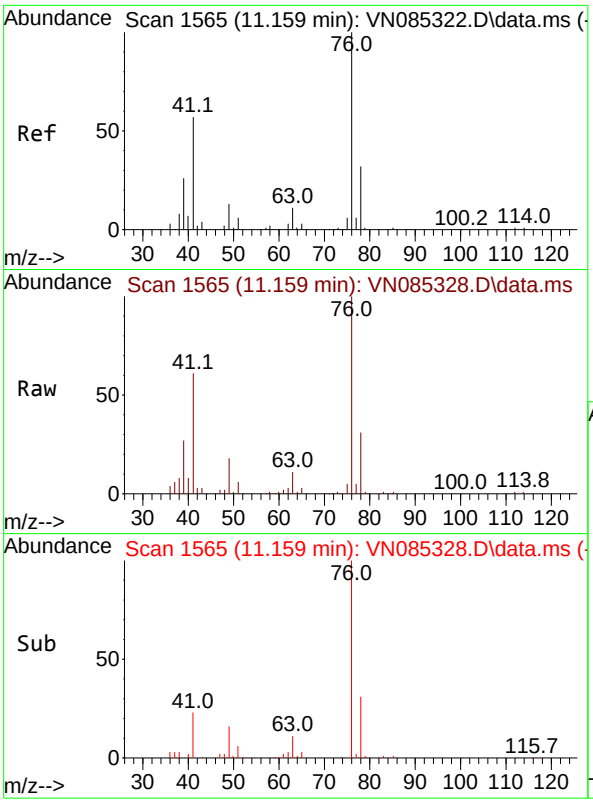


#56
Ethyl methacrylate
Concen: 61.733 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 69 Resp: 163272

Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.3	81.5
39	41.9	32.0	48.0



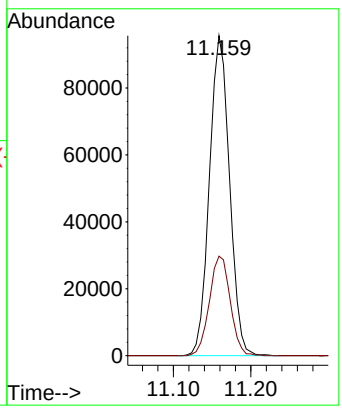


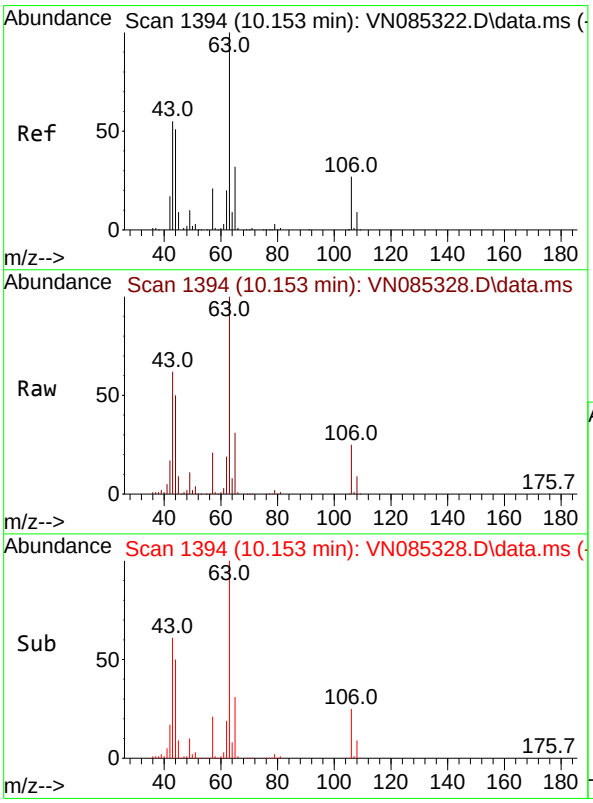
#57
1,3-Dichloropropane
Concen: 54.020 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 76 Resp: 172176

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

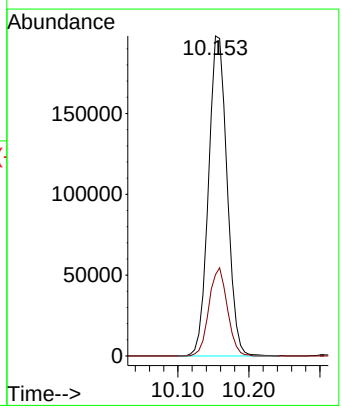


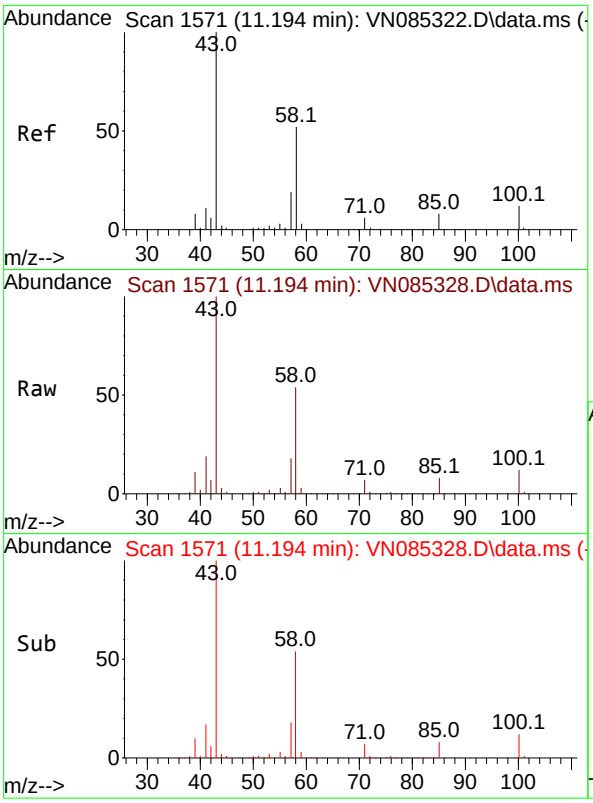


#58
2-Chloroethyl Vinyl ether
Concen: 280.905 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 63 Resp: 359446

Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.1	33.1



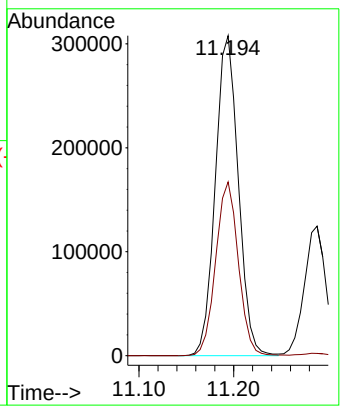


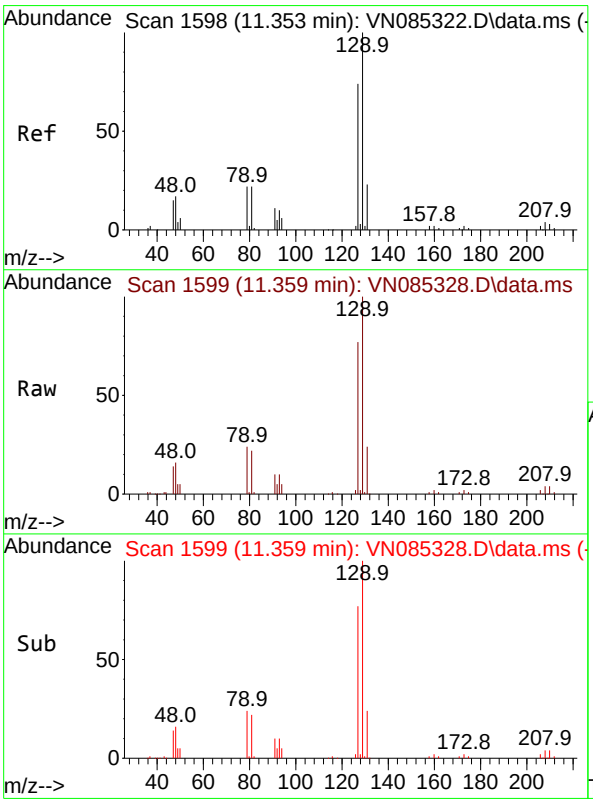
#59
2-Hexanone
Concen: 304.633 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 43 Resp: 519370

Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.5	79.5

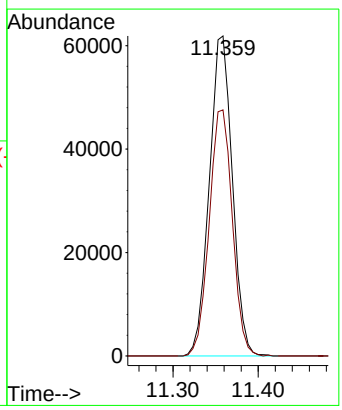


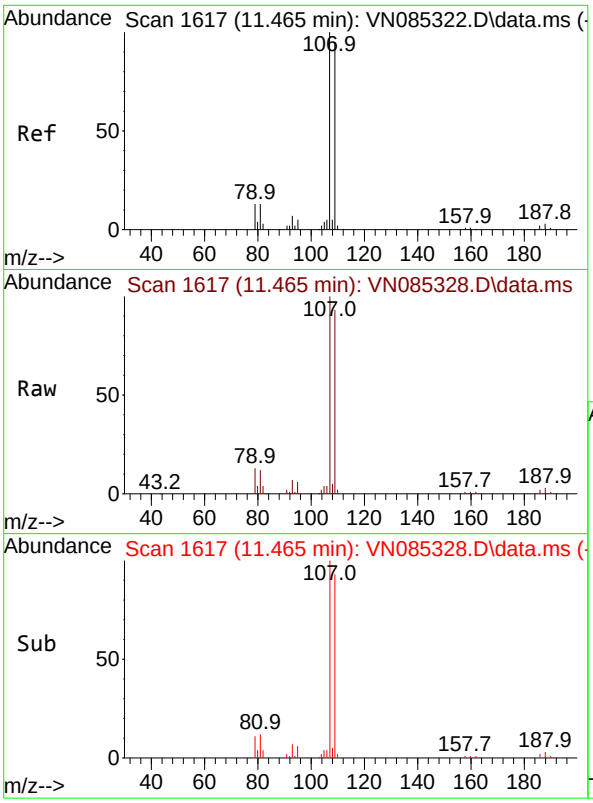


#60
Dibromochloromethane
Concen: 56.856 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:129 Resp: 116293

Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.9



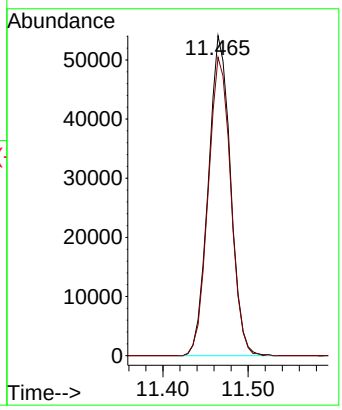


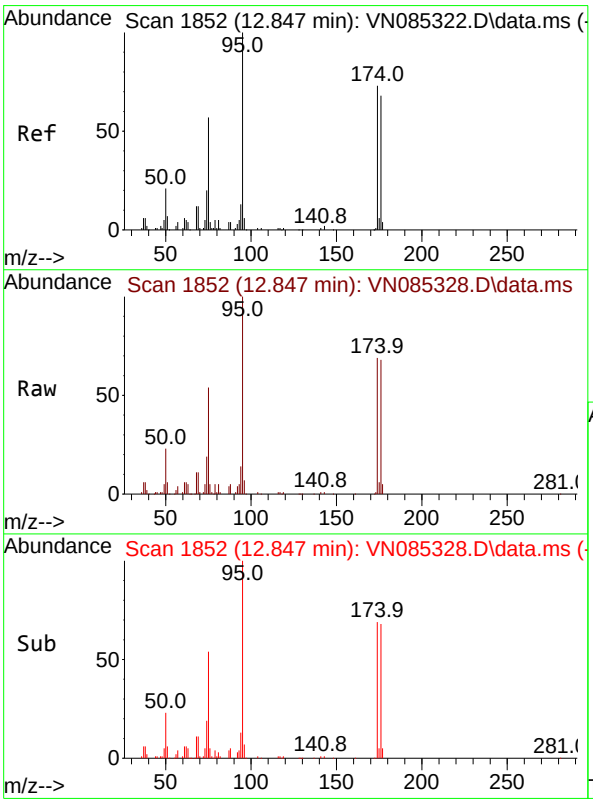
#61
1,2-Dibromoethane
Concen: 54.445 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:107 Resp: 97817

Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.9	112.3

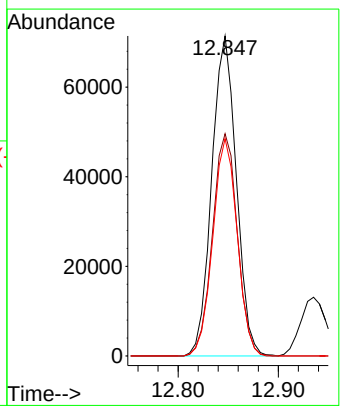


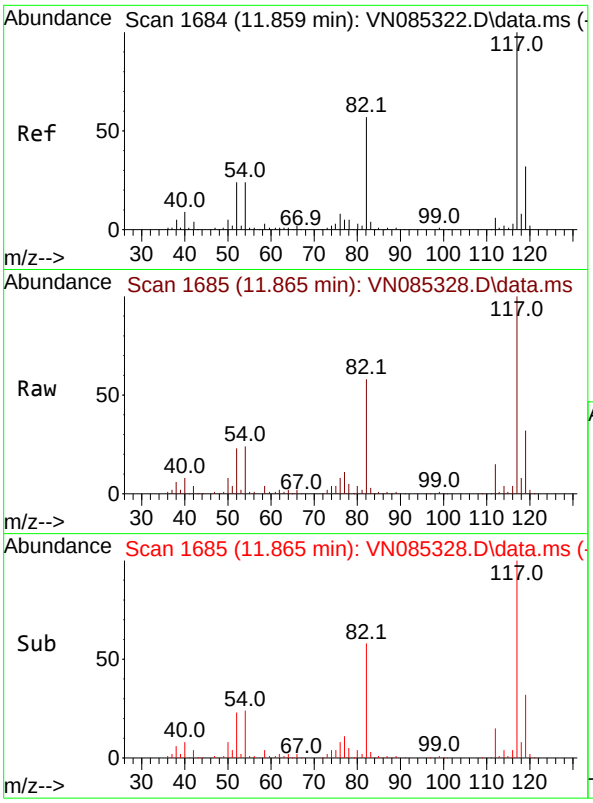


#62
4-Bromofluorobenzene
Concen: 54.619 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 95 Resp: 121466

Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	143.2
176	67.4	0.0	135.8



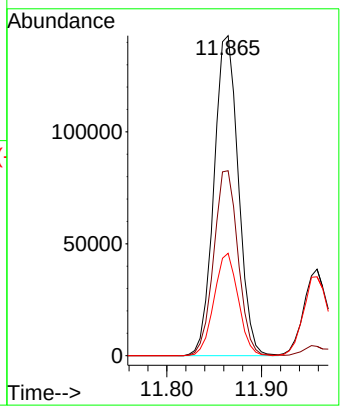


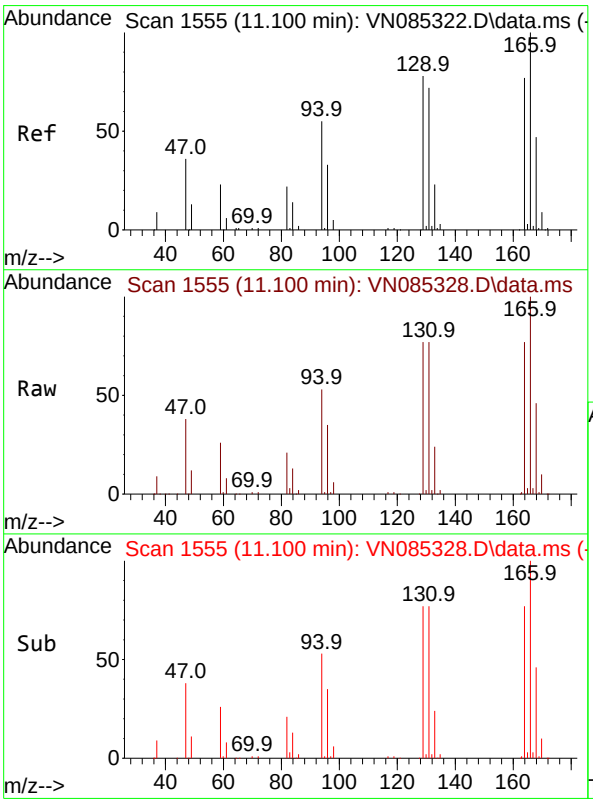
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:117 Resp: 256012

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.7	68.5
119	32.0	25.8	38.8

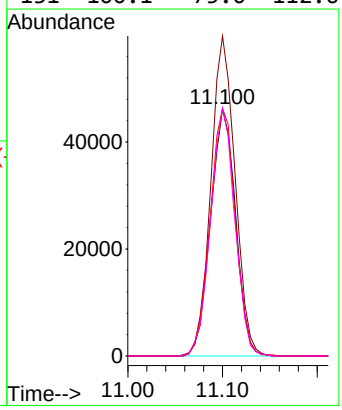


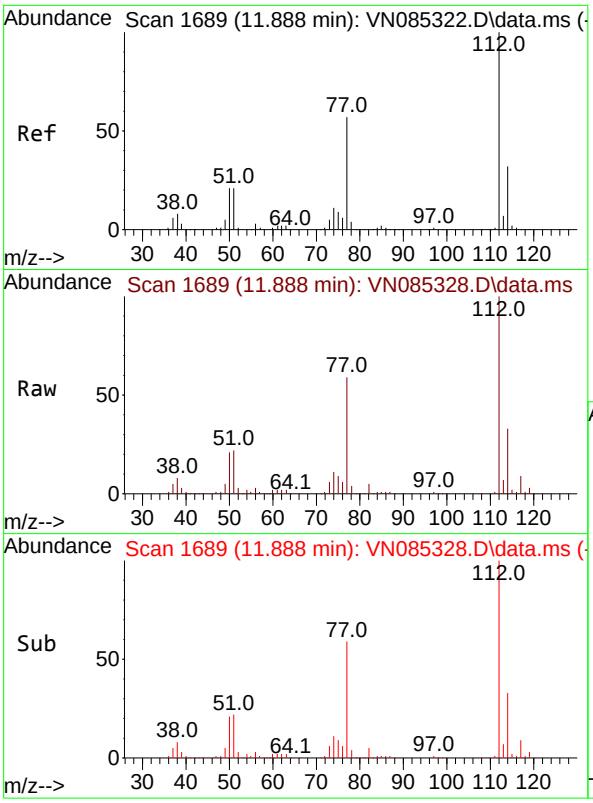


#64
Tetrachloroethene
Concen: 52.056 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:164 Resp: 84445

Ion	Ratio	Lower	Upper
164	100		
166	129.5	104.0	156.0
129	100.2	81.3	121.9
131	100.1	75.0	112.6



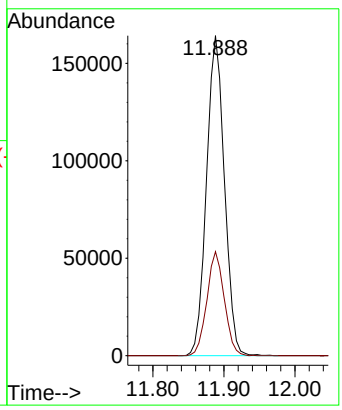


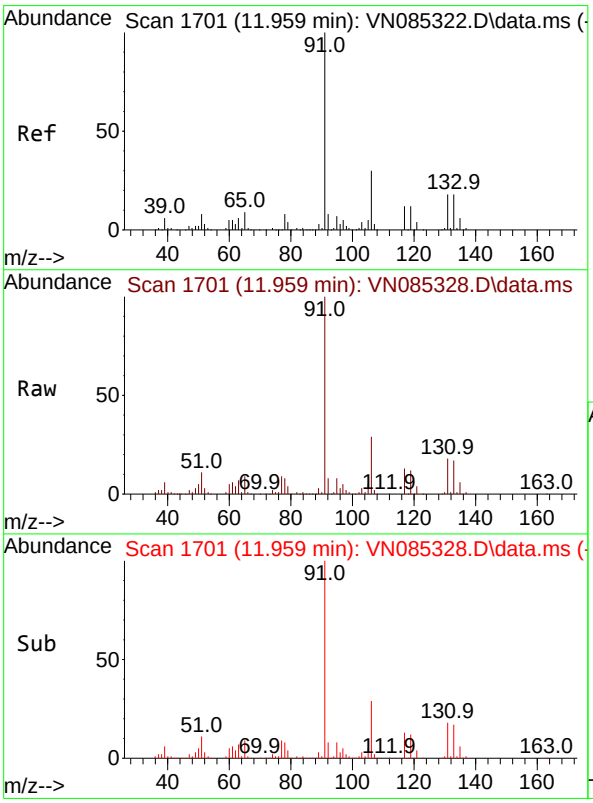
#65
Chlorobenzene
Concen: 52.014 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:112 Resp: 287764

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8

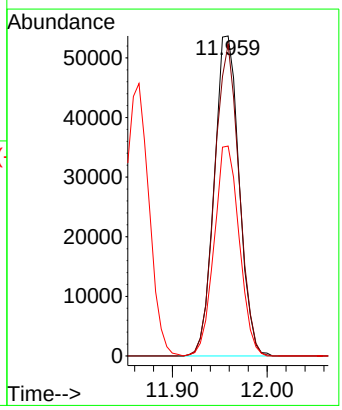


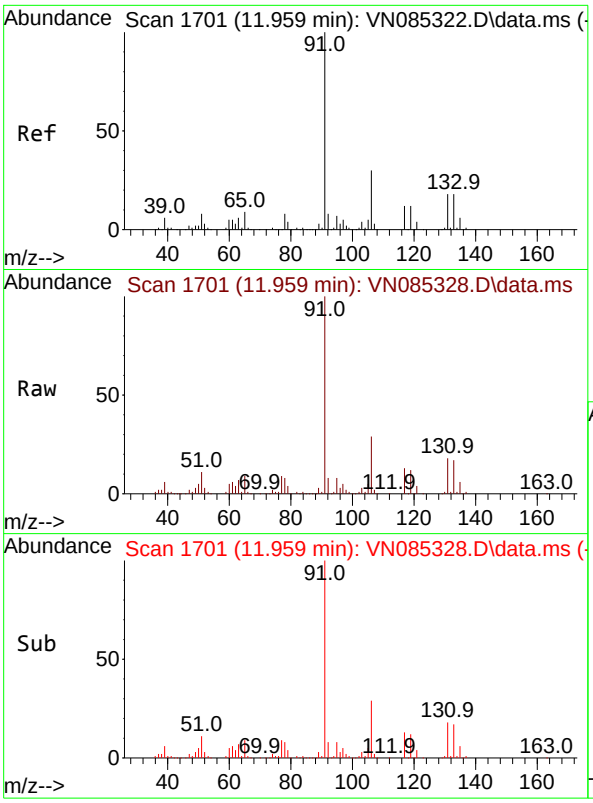


#66
1,1,1,2-Tetrachloroethane
Concen: 52.882 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:131 Resp: 98192

Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.9
119	66.2	33.4	100.1



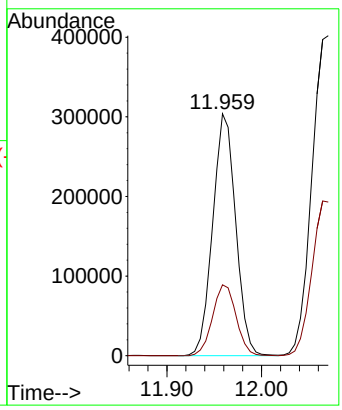


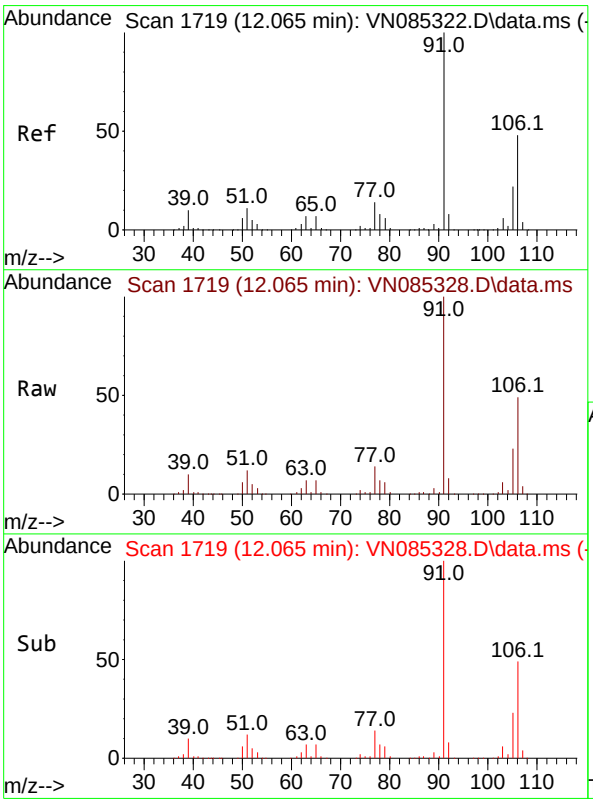
#67
Ethyl Benzene
Concen: 55.669 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 91 Resp: 512193

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.0	36.0

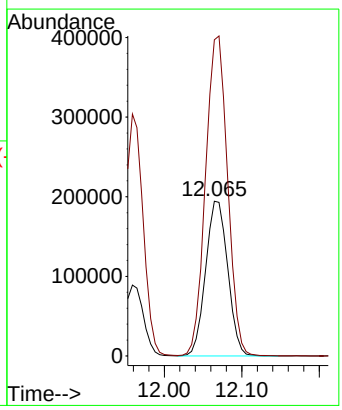


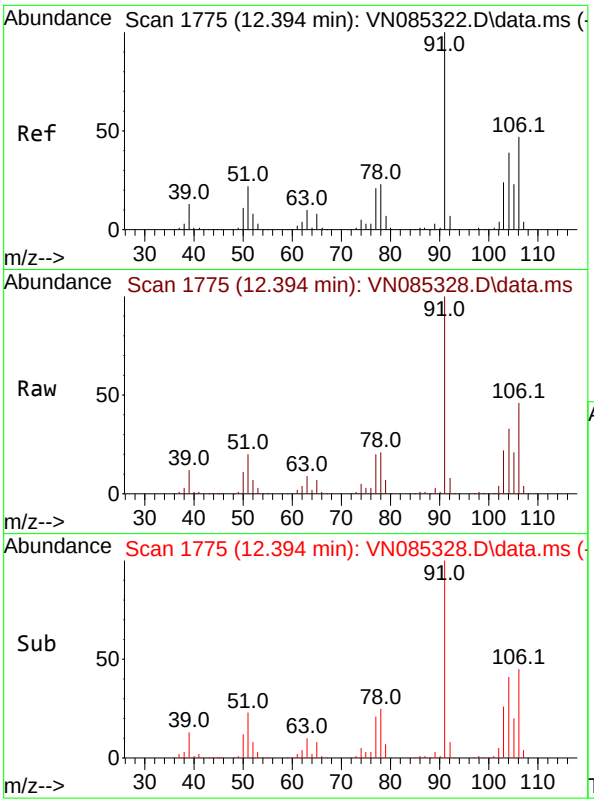


#68
m/p-Xylenes
Concen: 114.768 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:106 Resp: 386429

Ion	Ratio	Lower	Upper
106	100		
91	206.3	165.2	247.8



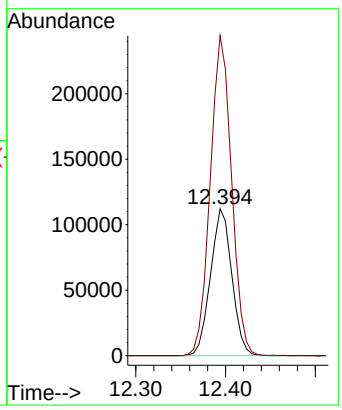


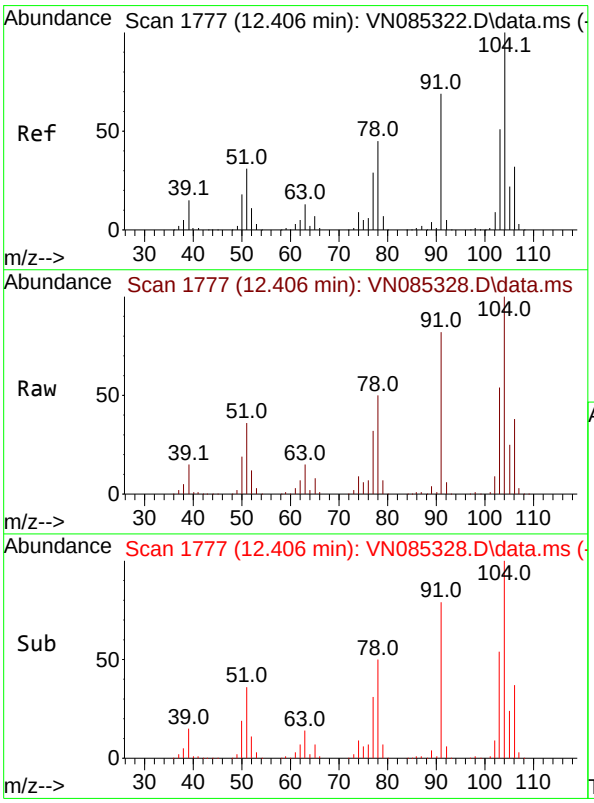
#69
o-Xylene
Concen: 56.809 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:106 Resp: 185036

Ion	Ratio	Lower	Upper
106	100		
91	217.8	107.3	321.8

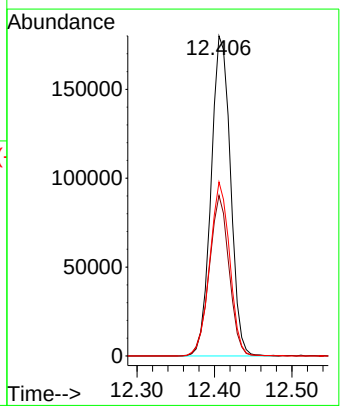


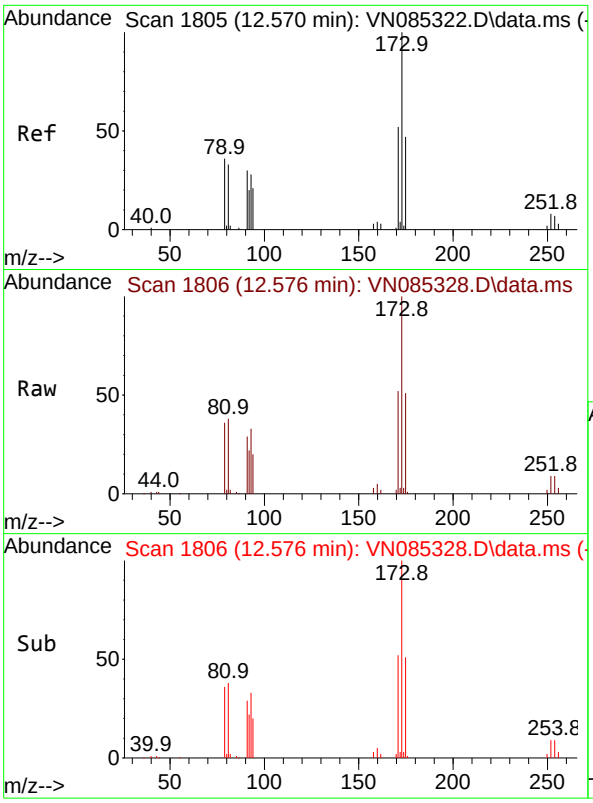


#70
Styrene
Concen: 59.331 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:104 Resp: 313206

Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.7	61.1
103	55.8	44.1	66.1



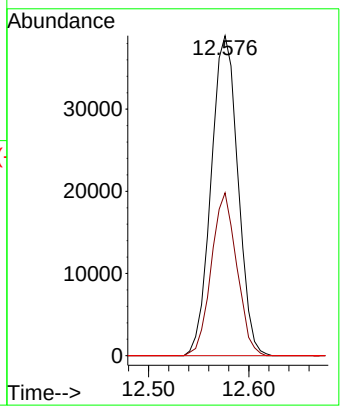


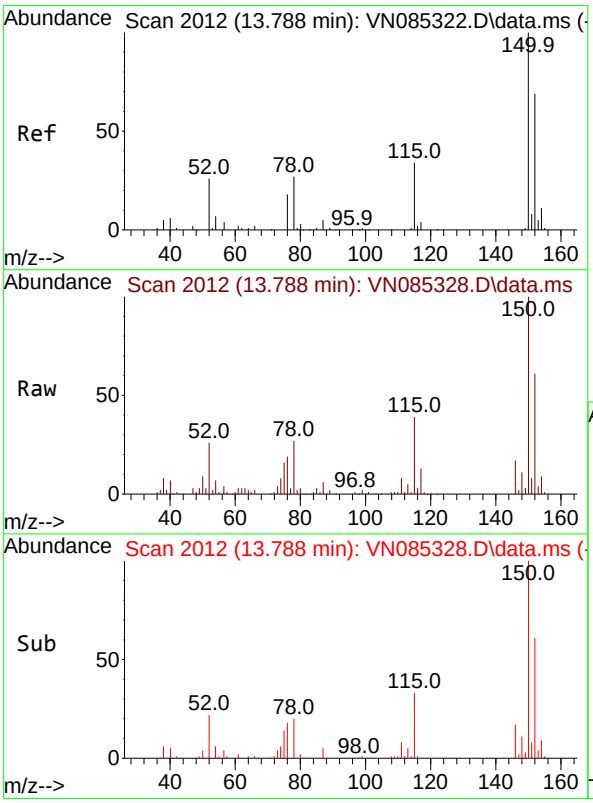
#71
Bromoform
Concen: 56.226 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:173 Resp: 72309

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	0.0	0.0	0.0

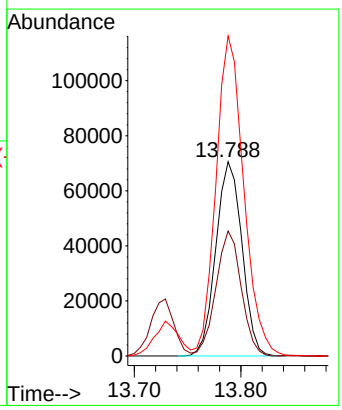


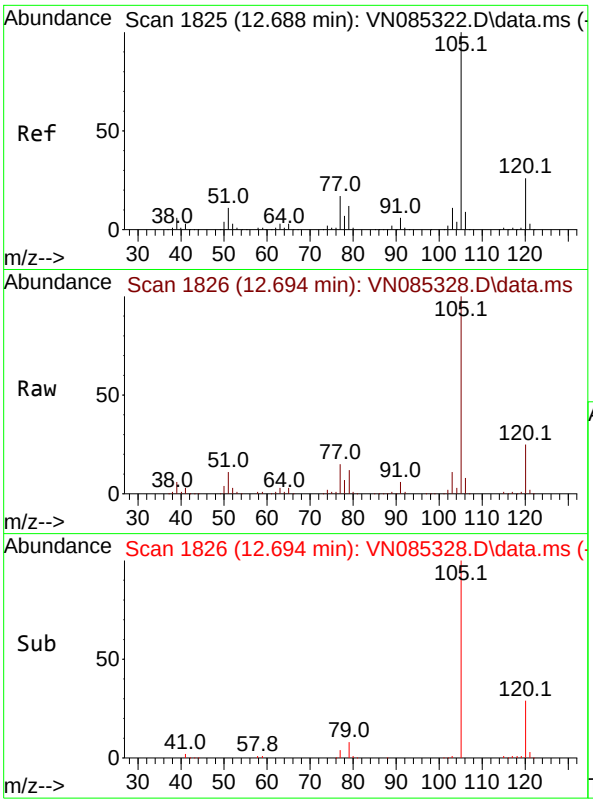


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:152 Resp: 120013

Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.3
150	175.7	0.0	345.0



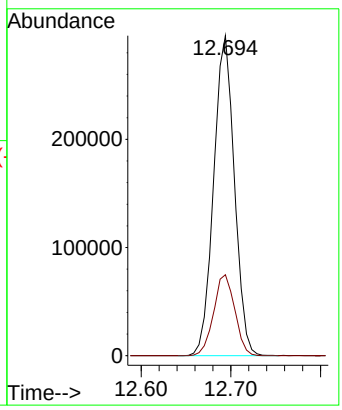


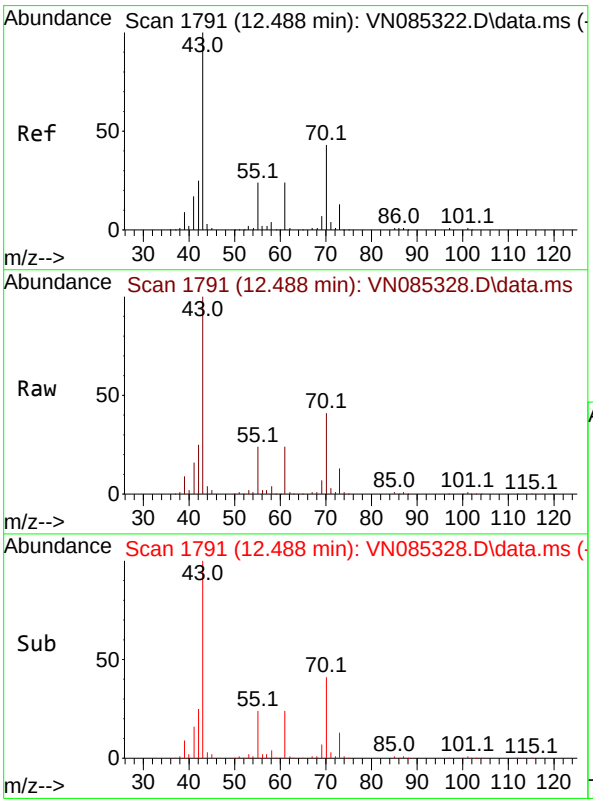
#73
Isopropylbenzene
Concen: 54.966 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:105 Resp: 474369

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.6

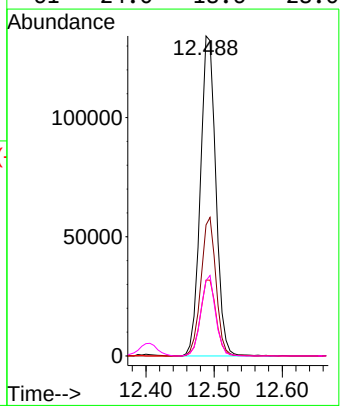


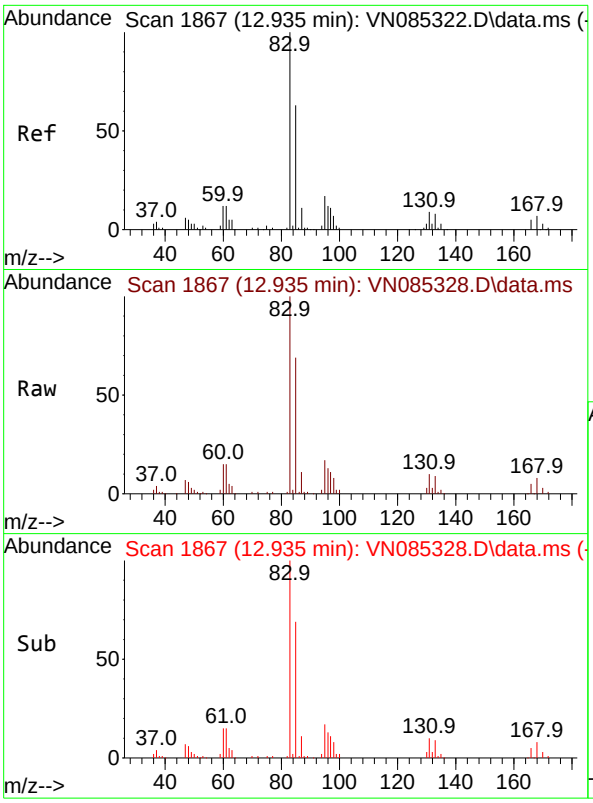


#74
N-amyl acetate
Concen: 57.337 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 43 Resp: 211810

Ion	Ratio	Lower	Upper
43	100		
70	42.2	33.4	50.0
55	24.1	19.2	28.8
61	24.0	18.6	28.0



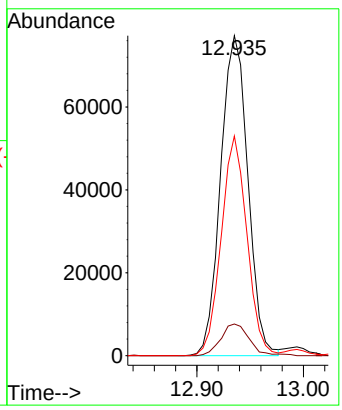


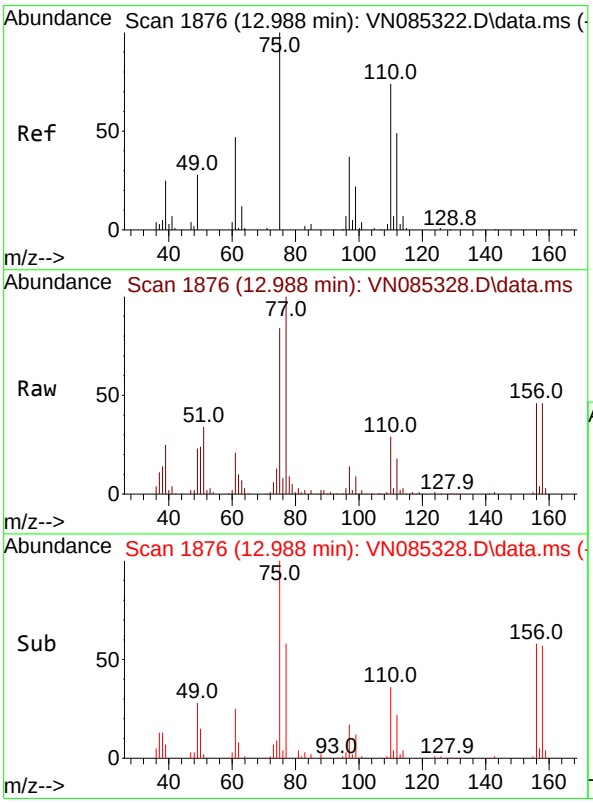
#75
1,1,2,2-Tetrachloroethane
Concen: 49.956 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 83 Resp: 137310

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	64.7	32.6	98.0

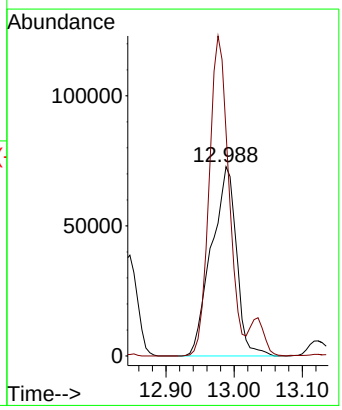


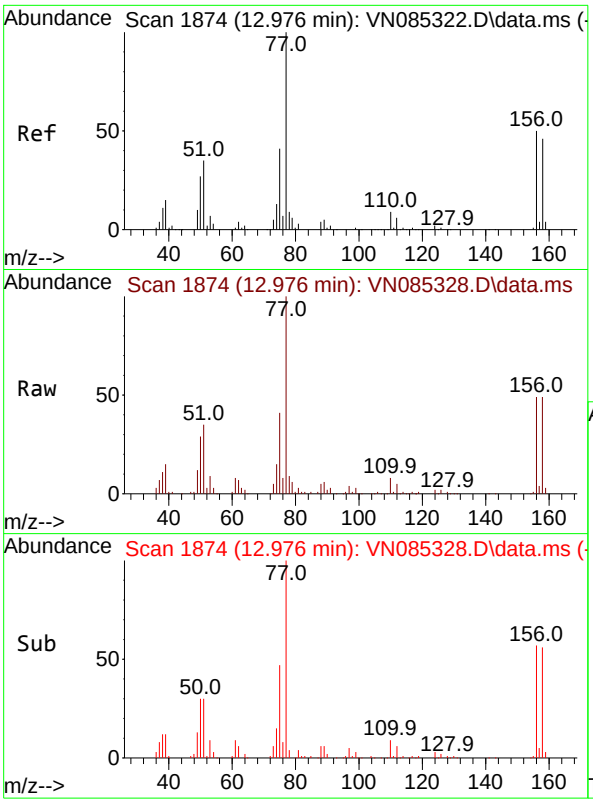


#76
1,2,3-Trichloropropane
Concen: 83.182 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 186420

Ion	Ratio	Lower	Upper
75	100		
77	132.5	98.1	294.3



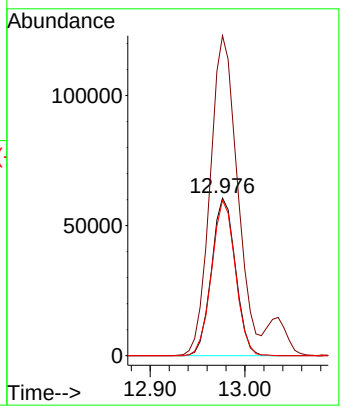


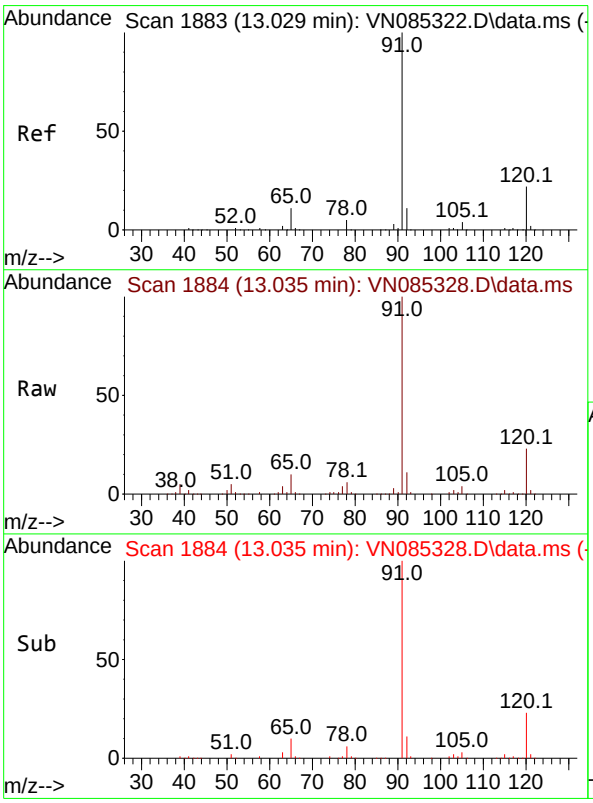
#77
Bromobenzene
Concen: 49.621 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:156 Resp: 106098

Ion	Ratio	Lower	Upper
156	100		
77	232.9	114.0	342.0
158	97.8	47.6	142.8

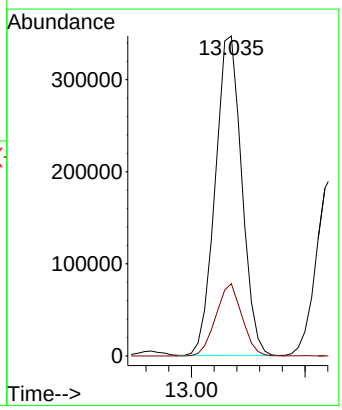


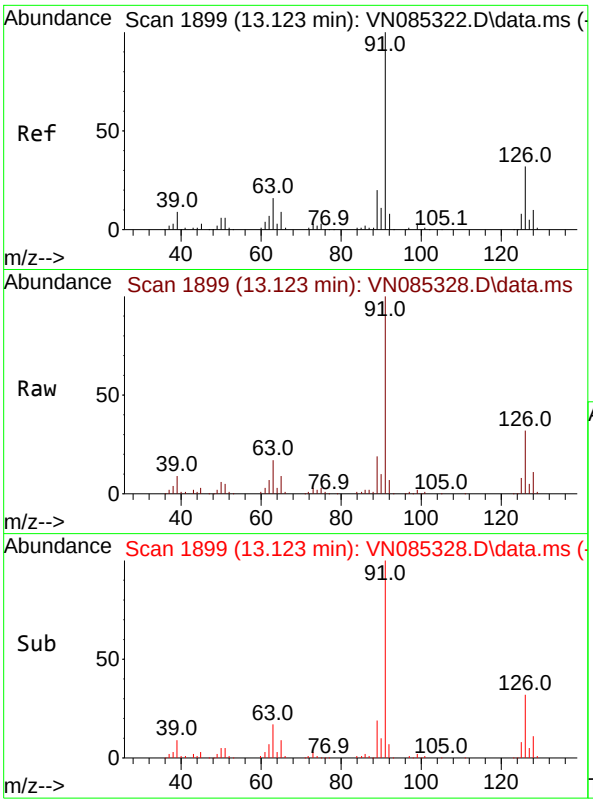


#78
n-propylbenzene
Concen: 55.937 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 562715

Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.9	32.9



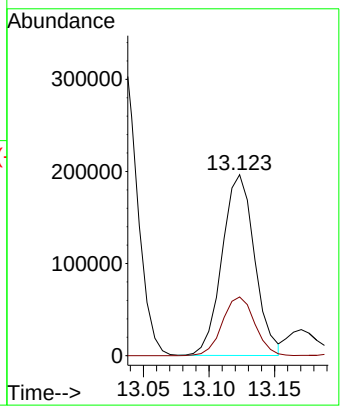


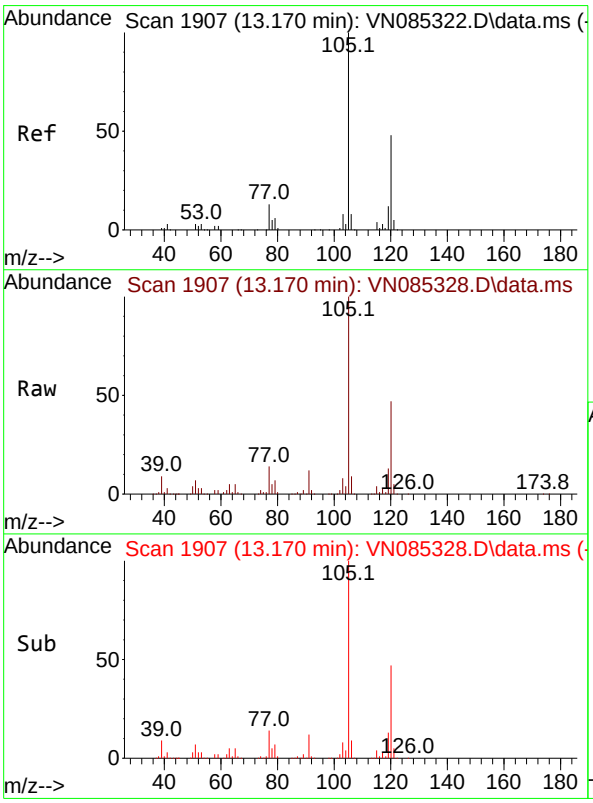
#79
2-Chlorotoluene
Concen: 53.482 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 91 Resp: 338610

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0

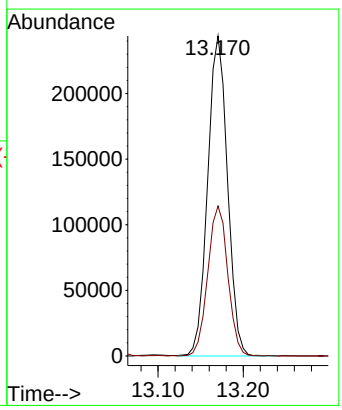


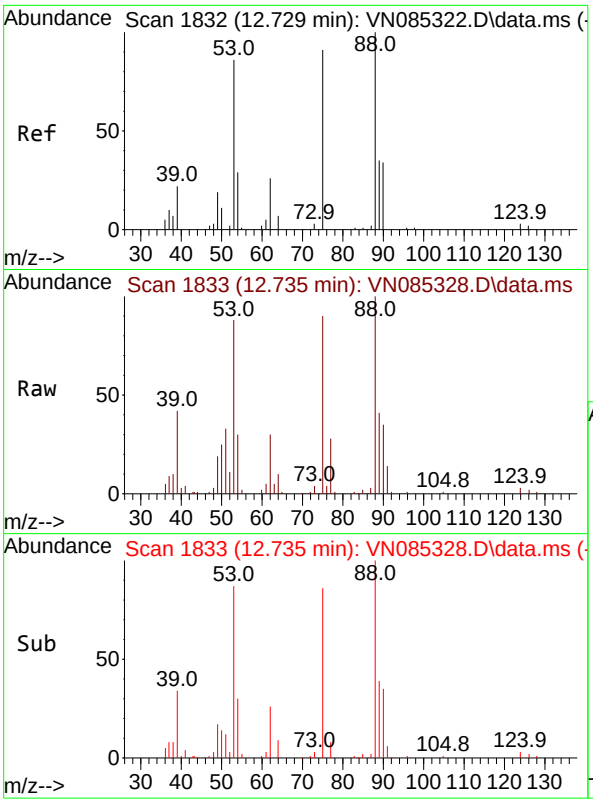


#80
1,3,5-Trimethylbenzene
Concen: 56.370 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 393503

Ion	Ratio	Lower	Upper
105	100		
120	47.4	24.0	72.0



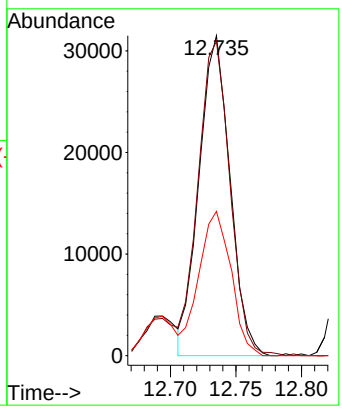


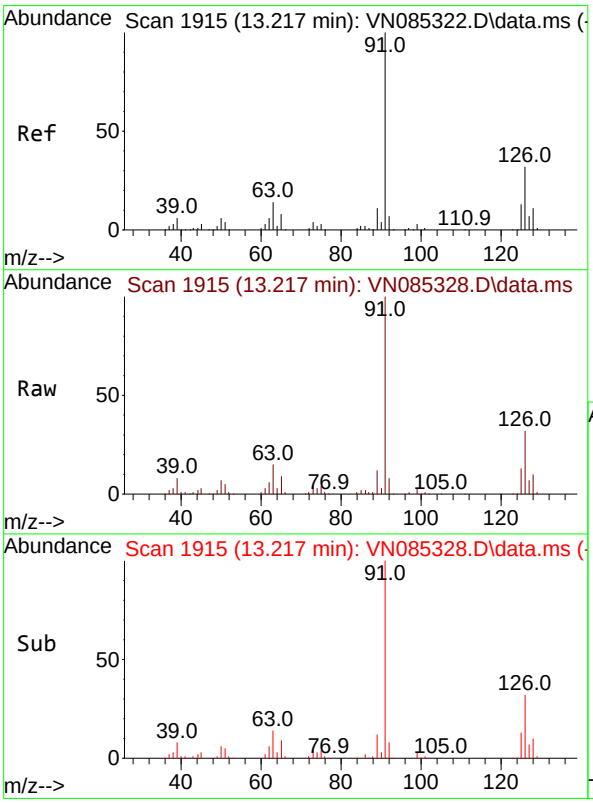
#81
trans-1,4-Dichloro-2-butene
Concen: 55.281 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 75 Resp: 51732

Ion	Ratio	Lower	Upper
75	100		
53	100.7	80.0	120.0
89	47.0	35.8	53.8

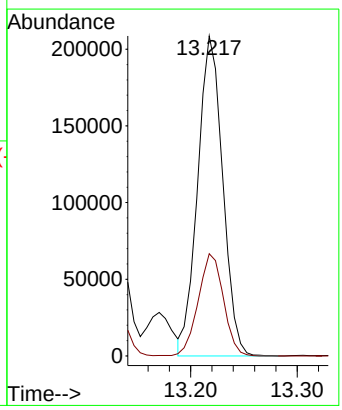


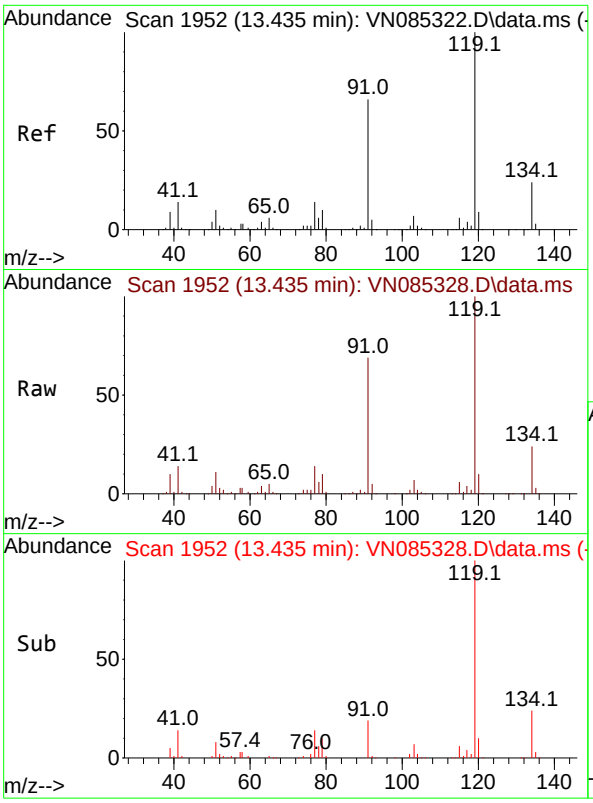


#82
4-Chlorotoluene
Concen: 53.493 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 91 Resp: 341098

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4



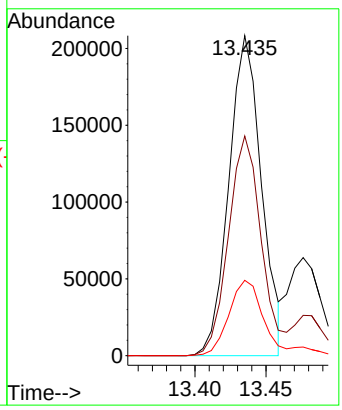


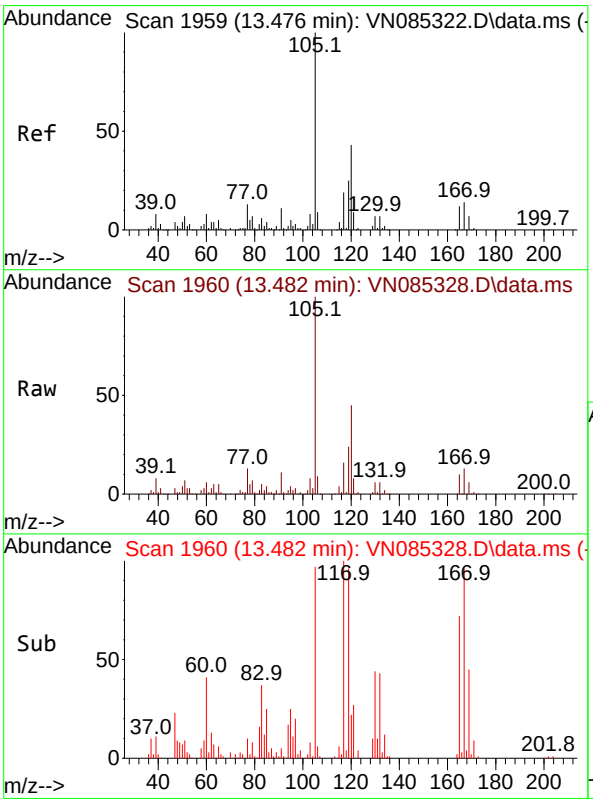
#83
tert-Butylbenzene
Concen: 54.963 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:119 Resp: 332355

Ion	Ratio	Lower	Upper
119	100		
91	69.7	33.6	100.8
134	26.5	13.3	39.8

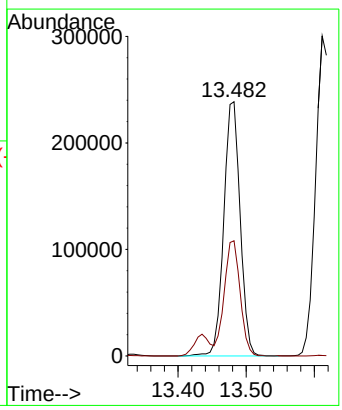


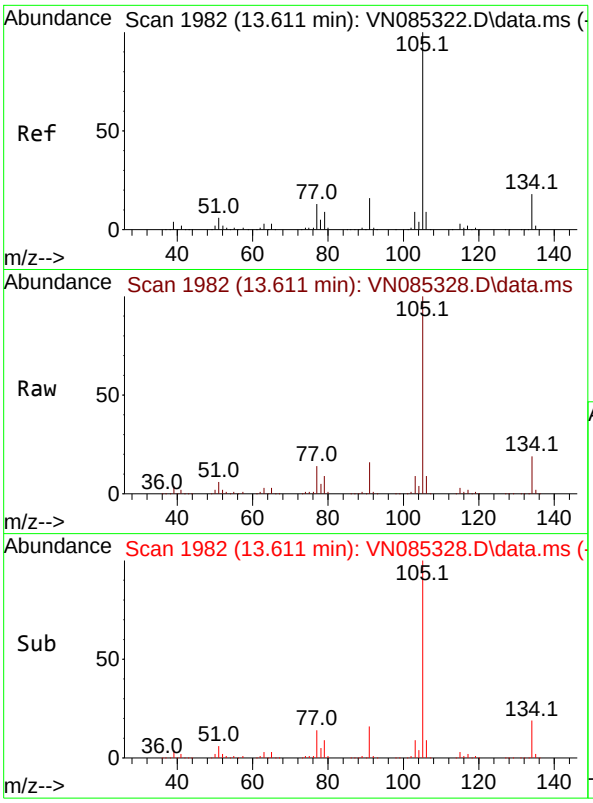


#84
1,2,4-Trimethylbenzene
Concen: 57.454 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:105 Resp: 399361

Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.7	65.1



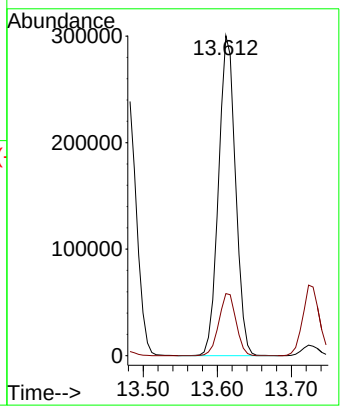


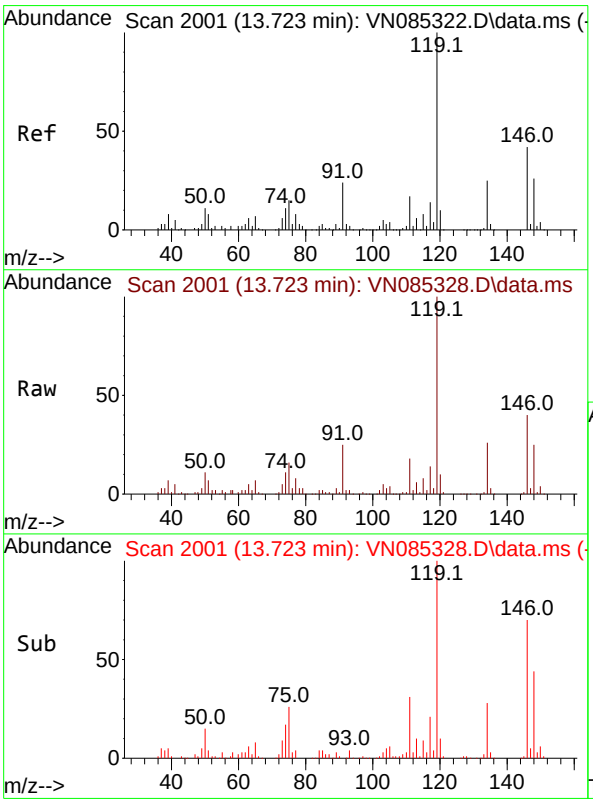
#85
sec-Butylbenzene
Concen: 56.877 ug/l
RT: 13.611 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:105 Resp: 477401

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3

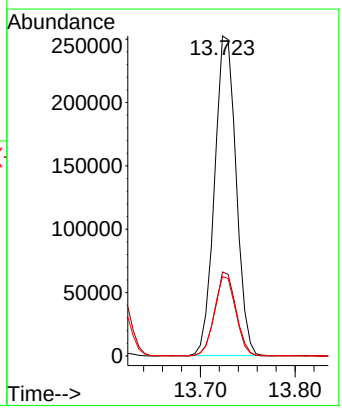


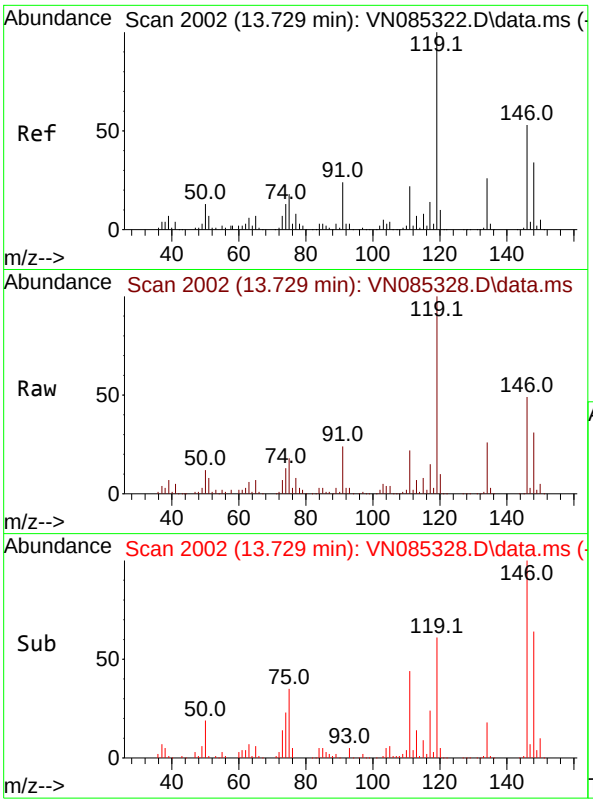


#86
p-Isopropyltoluene
Concen: 53.045 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:119 Resp: 399868

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.5	37.5
91	24.6	12.2	36.4



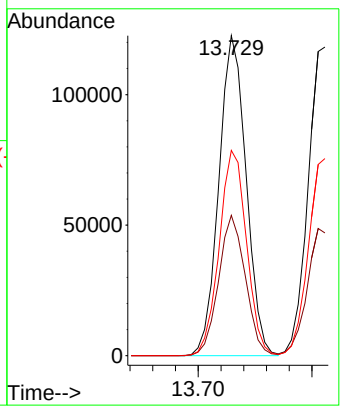


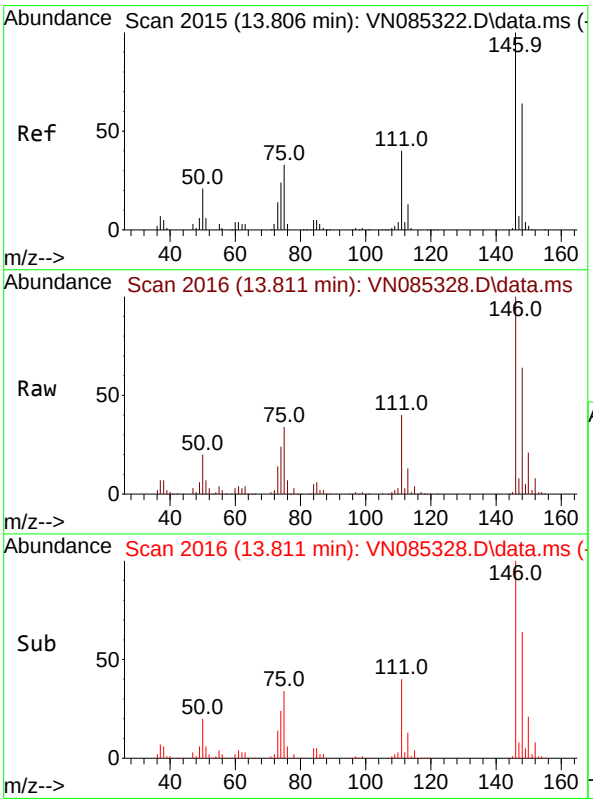
#87
1,3-Dichlorobenzene
Concen: 52.759 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:146 Resp: 204501

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	64.3	31.5	94.5

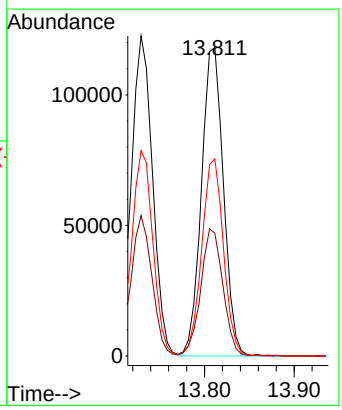


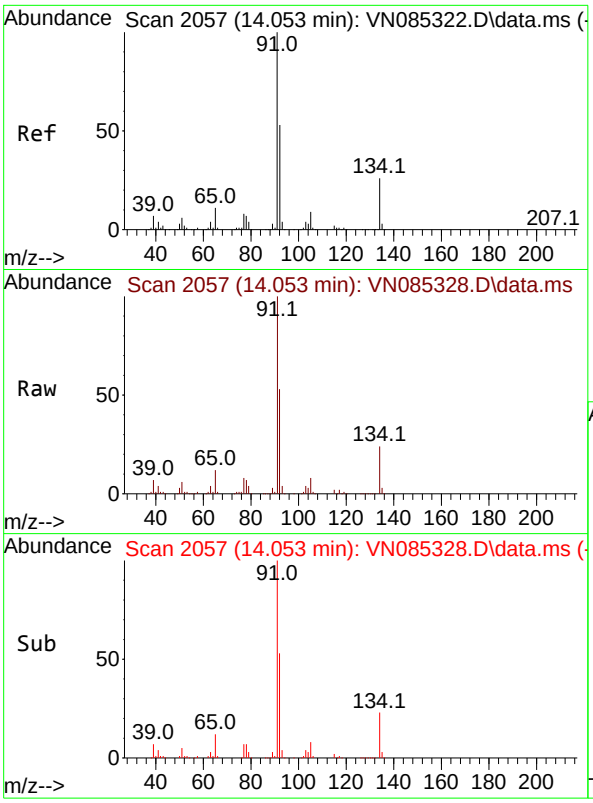


#88
1,4-Dichlorobenzene
Concen: 50.524 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:146 Resp: 201165

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.4	31.7	95.1



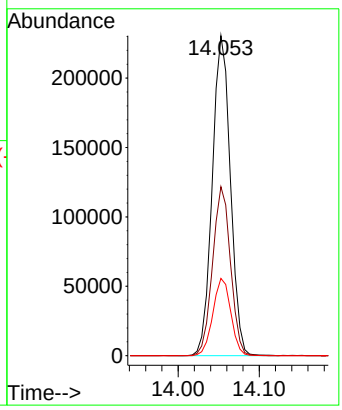


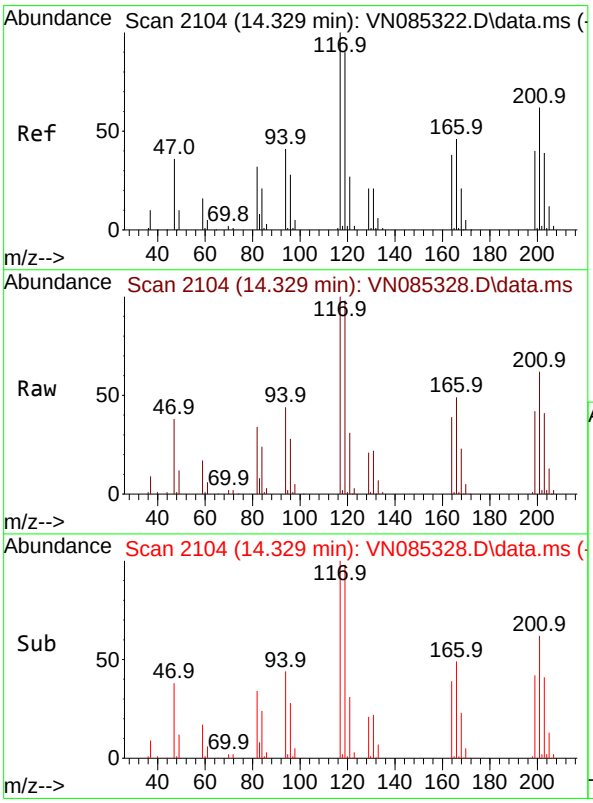
#89
n-Butylbenzene
Concen: 58.149 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion: 91 Resp: 357404

Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	24.0	12.1	36.3

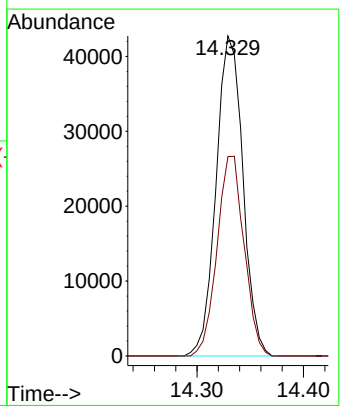


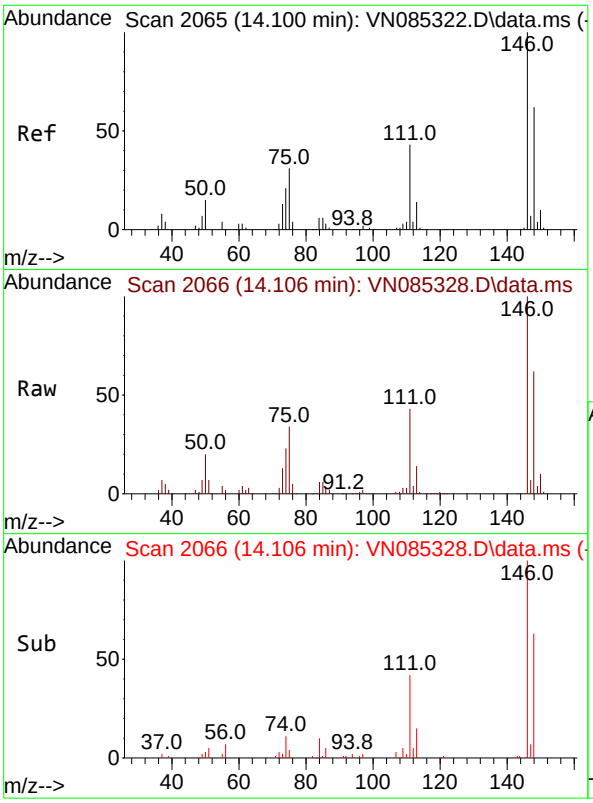


#90
Hexachloroethane
Concen: 54.238 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:117 Resp: 74623

Ion	Ratio	Lower	Upper
117	100		
201	63.0	30.7	92.1



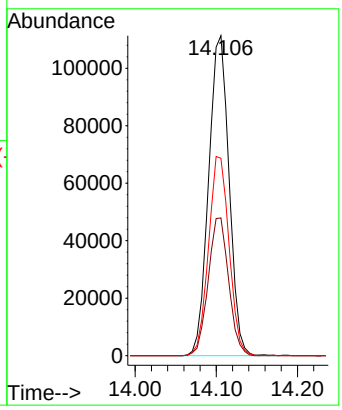


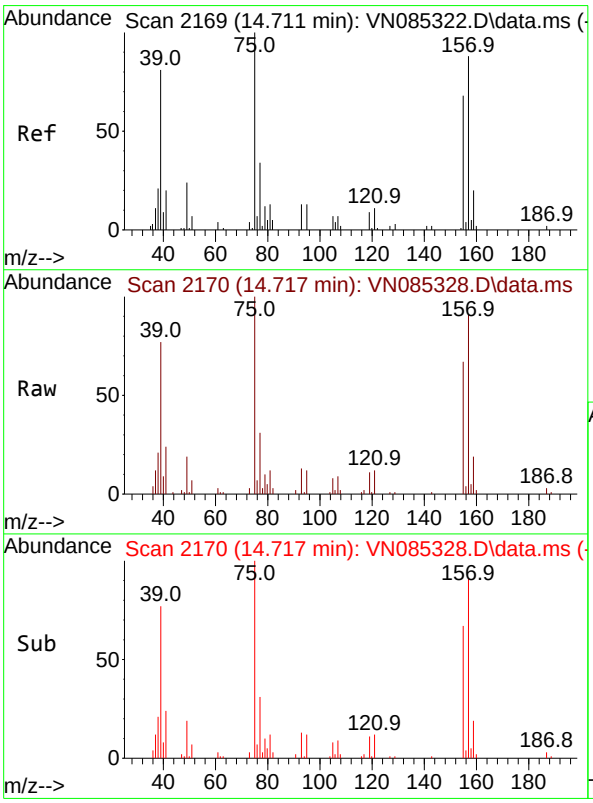
#91
1,2-Dichlorobenzene
Concen: 52.669 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:146 Resp: 194477

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.3
148	62.6	31.4	94.2

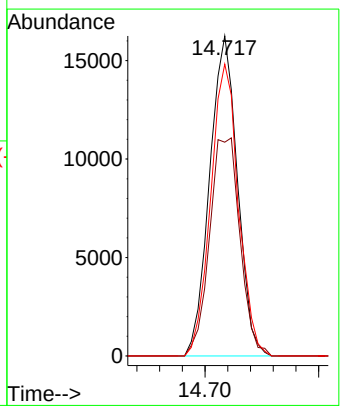


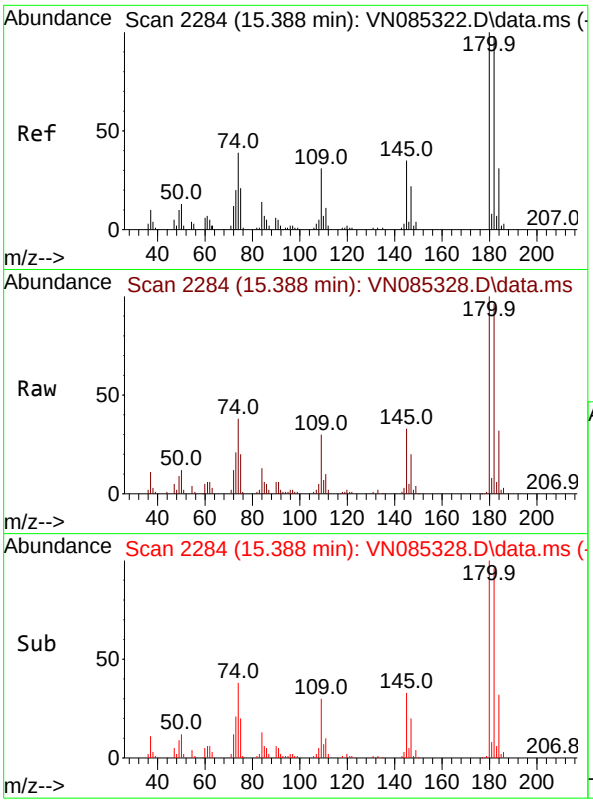


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.494 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion: 75 Resp: 27636

Ion	Ratio	Lower	Upper
75	100		
155	74.5	35.6	106.9
157	91.0	47.0	141.0



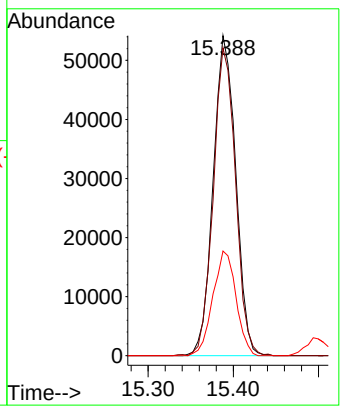


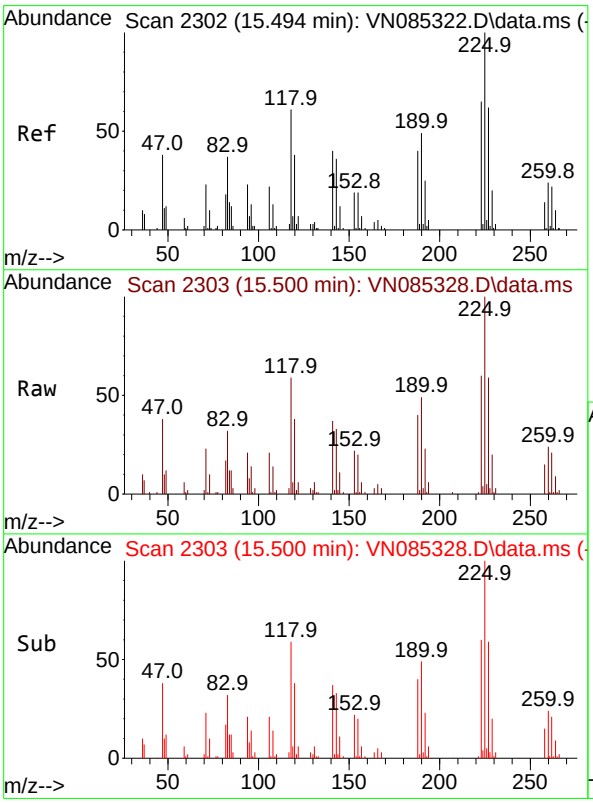
#93
1,2,4-Trichlorobenzene
Concen: 54.113 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:180 Resp: 99722

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.2	141.6
145	33.6	16.6	49.8

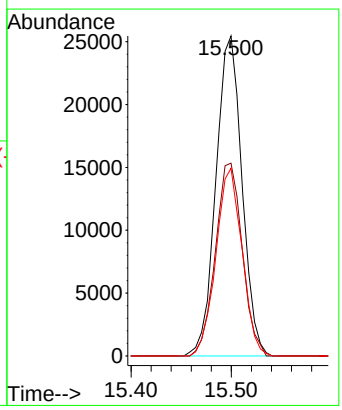


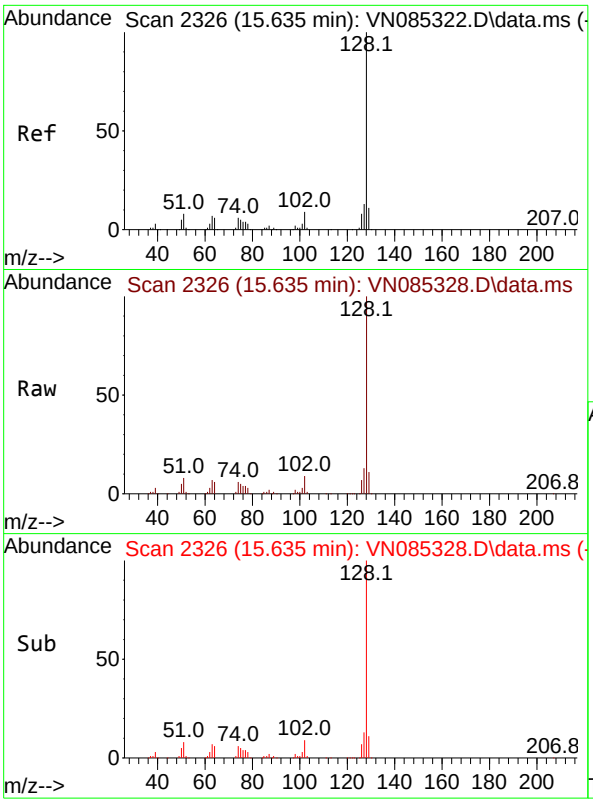


#94
Hexachlorobutadiene
Concen: 50.146 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:225 Resp: 45915

Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.6	94.7
227	58.8	30.3	91.0



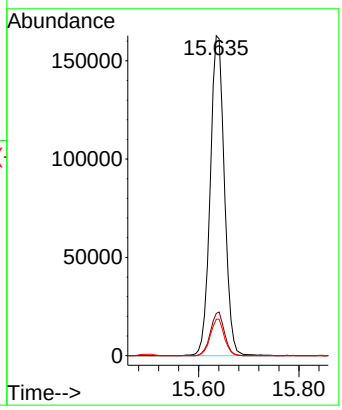


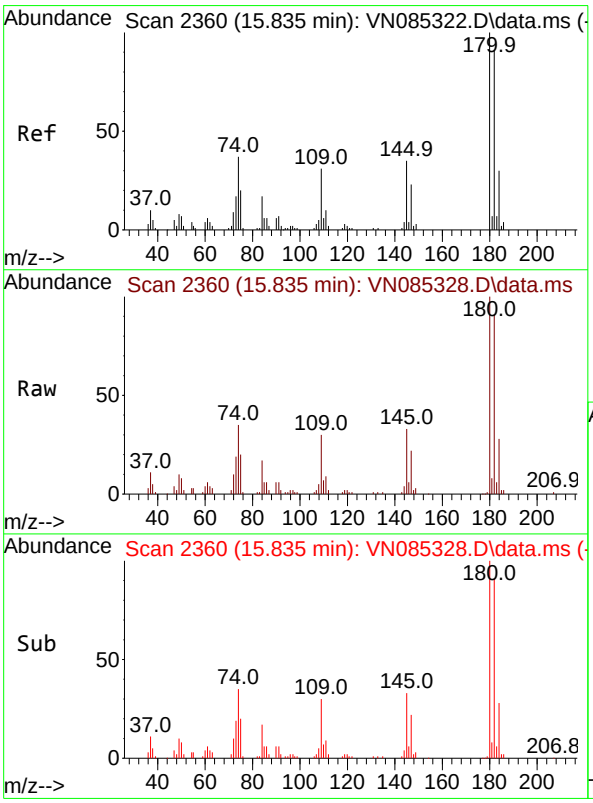
#95
Naphthalene
Concen: 51.123 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Tgt Ion:128 Resp: 319467

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.3	8.5	12.7

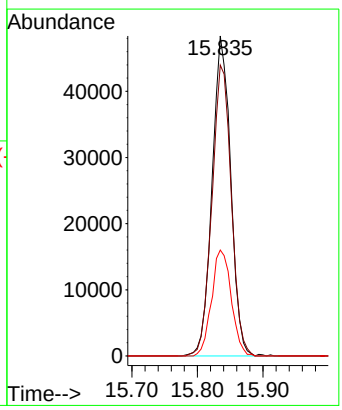




#96
1,2,3-Trichlorobenzene
Concen: 51.589 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085328.D
Acq: 27 Dec 2024 15:58

Tgt Ion:180 Resp: 94990

Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.8	140.4
145	35.0	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	170735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	253770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121898	50.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.120%			
35) Dibromofluoromethane	8.165	113	94013	49.656	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	10.565	98	351721	50.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.260%			
62) 4-Bromofluorobenzene	12.847	95	116494	50.489	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	43449	18.817	ug/l	95
3) Chloromethane	2.359	50	43547	16.780	ug/l	100
4) Vinyl Chloride	2.512	62	46023	16.768	ug/l	96
5) Bromomethane	2.959	94	29868	16.639	ug/l	98
6) Chloroethane	3.118	64	30694	17.634	ug/l	99
7) Trichlorofluoromethane	3.501	101	63768	17.674	ug/l	98
8) Diethyl Ether	3.959	74	21725	18.186	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35886	17.480	ug/l	97
10) Methyl Iodide	4.589	142	40932	17.229	ug/l	94
11) Tert butyl alcohol	5.506	59	31998	104.934	ug/l	100
12) 1,1-Dichloroethene	4.342	96	33040	17.414	ug/l	87
13) Acrolein	4.177	56	41809	87.943	ug/l	100
14) Allyl chloride	5.024	41	49542	16.315	ug/l	98
15) Acrylonitrile	5.718	53	90364	94.155	ug/l	98
16) Acetone	4.424	43	77254	96.477	ug/l	96
17) Carbon Disulfide	4.712	76	90070	15.605	ug/l	98
18) Methyl Acetate	5.024	43	47009	19.175	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	110534	17.924	ug/l	99
20) Methylene Chloride	5.277	84	37667	17.488	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	33327	16.815	ug/l	92
22) Diisopropyl ether	6.671	45	118015	18.035	ug/l	98
23) Vinyl Acetate	6.600	43	434816	91.855	ug/l	98
24) 1,1-Dichloroethane	6.565	63	69242	17.566	ug/l	98
25) 2-Butanone	7.483	43	119558	96.241	ug/l	97
26) 2,2-Dichloropropane	7.489	77	59724	17.294	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	40786	17.533	ug/l	97
28) Bromochloromethane	7.812	49	33586	18.335	ug/l #	100
29) Tetrahydrofuran	7.836	42	81381	101.699	ug/l	99
30) Chloroform	7.959	83	70354	17.446	ug/l	95
31) Cyclohexane	8.253	56	59824	16.621	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	61343	17.033	ug/l	98
36) 1,1-Dichloropropene	8.371	75	48077	17.343	ug/l	99
37) Ethyl Acetate	7.559	43	51711	18.768	ug/l	99
38) Carbon Tetrachloride	8.359	117	53303	17.641	ug/l	96
39) Methylcyclohexane	9.600	83	49793	17.312	ug/l	99
40) Benzene	8.600	78	146952	17.534	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	26082	18.484	ug/l		98
42) 1,2-Dichloroethane	8.665	62	51885	17.267	ug/l		100
43) Isopropyl Acetate	8.683	43	83925	18.499	ug/l		99
44) Trichloroethene	9.347	130	33316	16.790	ug/l		96
45) 1,2-Dichloropropane	9.618	63	37543	17.646	ug/l		99
46) Dibromomethane	9.706	93	26479	17.895	ug/l		99
47) Bromodichloromethane	9.883	83	54021	17.565	ug/l		97
48) Methyl methacrylate	9.677	41	38382	19.497	ug/l		97
49) 1,4-Dioxane	9.688	88	13255	446.267	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	257213	100.886	ug/l		100
52) Toluene	10.630	92	89808	17.996	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	53764	17.777	ug/l		93
54) cis-1,3-Dichloropropene	10.306	75	59027	18.049	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	34671	18.402	ug/l		96
56) Ethyl methacrylate	10.871	69	52590	19.165	ug/l		99
57) 1,3-Dichloropropane	11.159	76	60541	18.308	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	134176	101.065	ug/l		100
59) 2-Hexanone	11.194	43	183110	103.517	ug/l		100
60) Dibromochloromethane	11.359	129	38342	18.067	ug/l		95
61) 1,2-Dibromoethane	11.465	107	33837	18.152	ug/l		99
64) Tetrachloroethene	11.100	164	29016	18.045	ug/l		94
65) Chlorobenzene	11.888	112	97170	17.719	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33399	18.146	ug/l		99
67) Ethyl Benzene	11.959	91	167113	18.324	ug/l		100
68) m/p-Xylenes	12.071	106	127874	38.314	ug/l		99
69) o-Xylene	12.394	106	58720	18.187	ug/l		93
70) Styrene	12.406	104	100048	19.120	ug/l		99
71) Bromoform	12.571	173	24033	18.853	ug/l	#	98
73) Isopropylbenzene	12.694	105	149902	18.757	ug/l		99
74) N-amyl acetate	12.488	43	69851	20.419	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	49543	19.464	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	63732	30.709	ug/l		55
77) Bromobenzene	12.976	156	35139	17.746	ug/l		96
78) n-propylbenzene	13.035	91	180713	19.398	ug/l		99
79) 2-Chlorotoluene	13.118	91	109897	18.744	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	125698	19.444	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16022	18.488	ug/l		91
82) 4-Chlorotoluene	13.218	91	109755	18.587	ug/l		98
83) tert-Butylbenzene	13.435	119	104613	18.682	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	126545	19.659	ug/l		99
85) sec-Butylbenzene	13.612	105	149749	19.266	ug/l		100
86) p-Isopropyltoluene	13.729	119	121179	18.228	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	66029	18.395	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	65210	17.686	ug/l		98
89) n-Butylbenzene	14.053	91	101990	17.919	ug/l		98
90) Hexachloroethane	14.329	117	23690	18.594	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	63769	18.649	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8997	19.860	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	29229	17.127	ug/l		98
94) Hexachlorobutadiene	15.500	225	13999	16.510	ug/l		99
95) Naphthalene	15.635	128	95832	16.560	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	29742	17.443	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
Operator : JC\MD
Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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\VN122724\
Data File : VN085330.D
Acq On : 27 Dec 2024 16:57
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Sample : VN1227WBS01
Misc : 5.0mL/MSVOA_N/WATER
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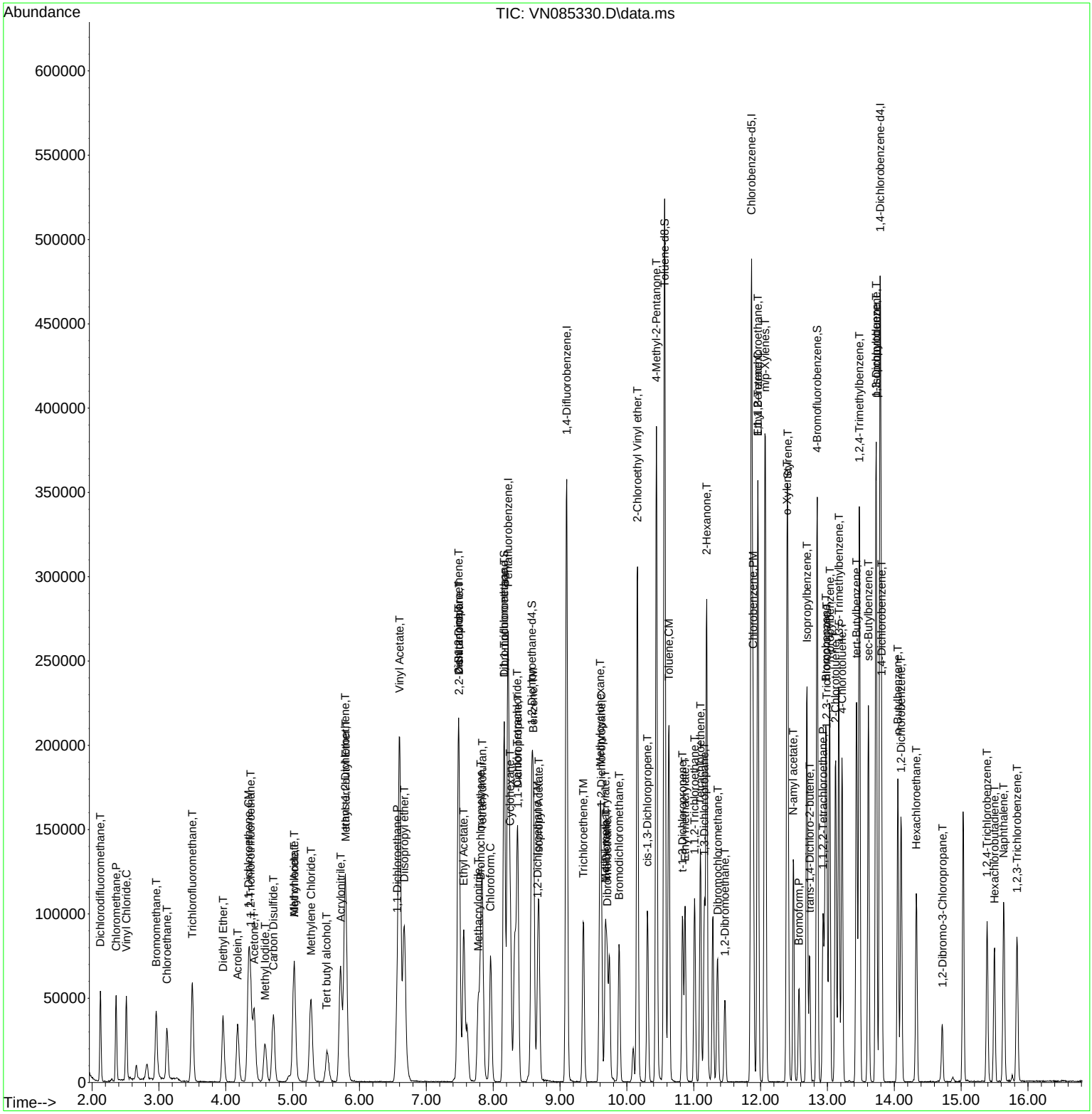
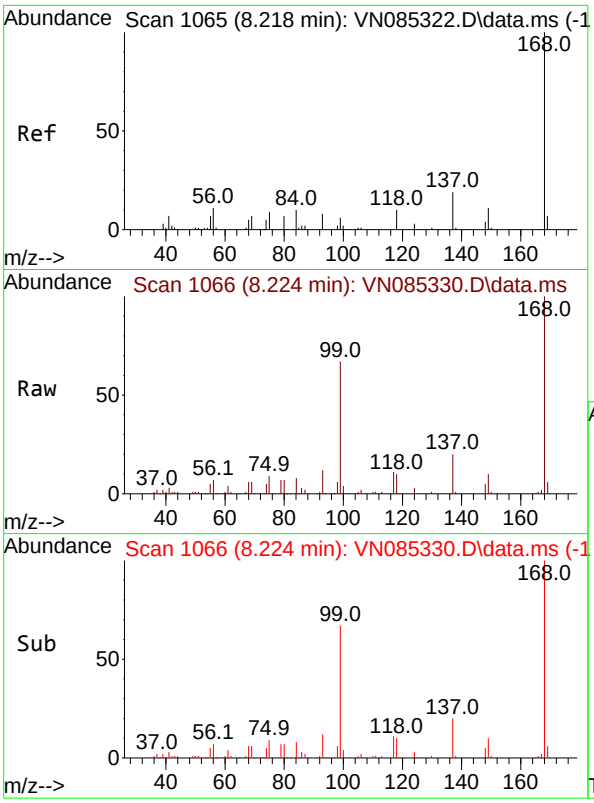
Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Quant Time: Dec 28 01:42:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



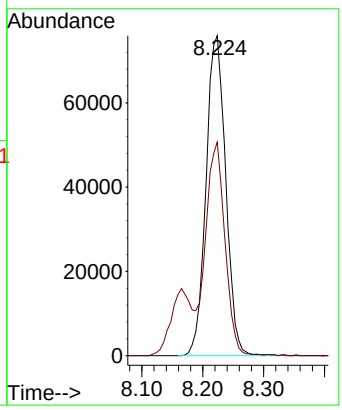


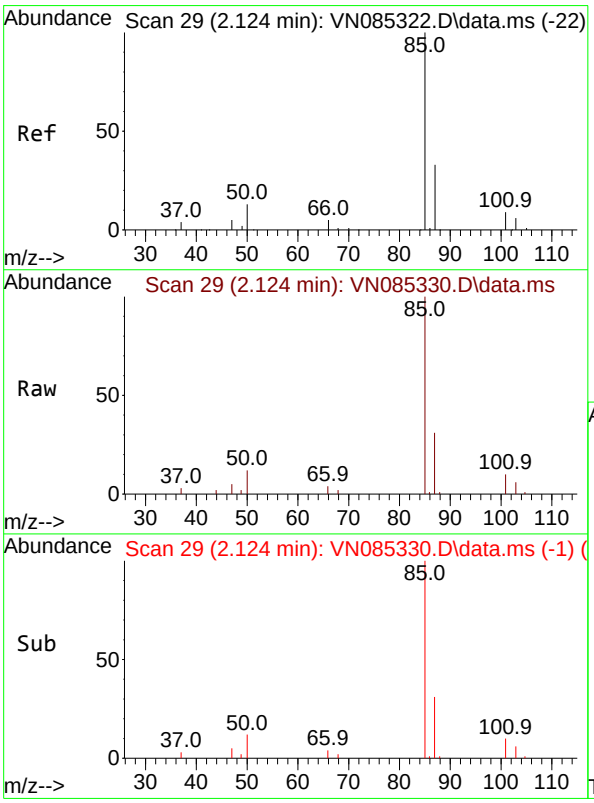
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:168 Resp: 170735

Ion	Ratio	Lower	Upper
168	100		
99	66.7	51.0	76.4

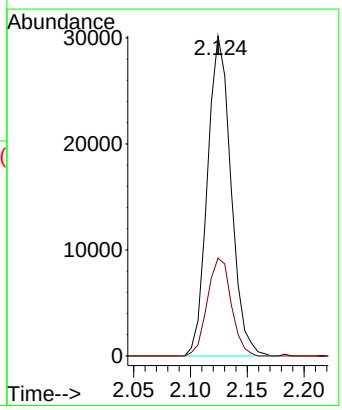


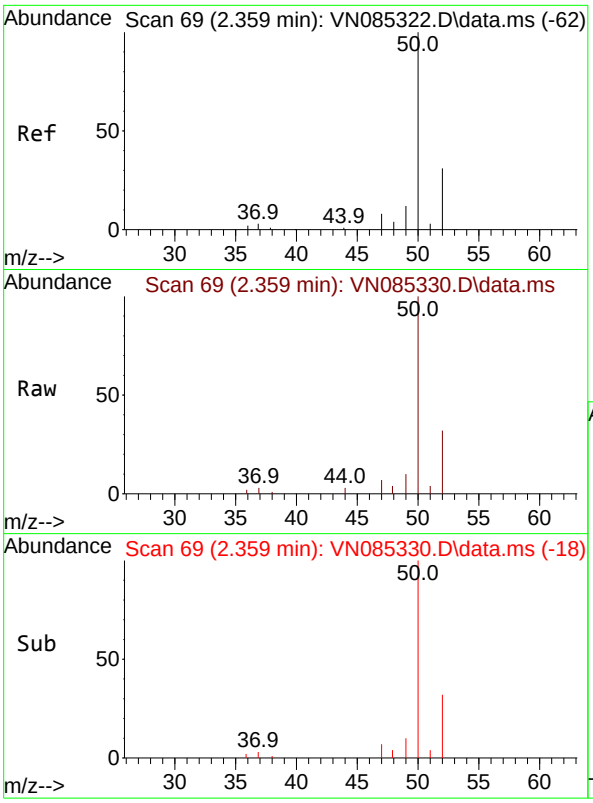


#2
Dichlorodifluoromethane
Concen: 18.817 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 85 Resp: 43449

Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.8	50.3



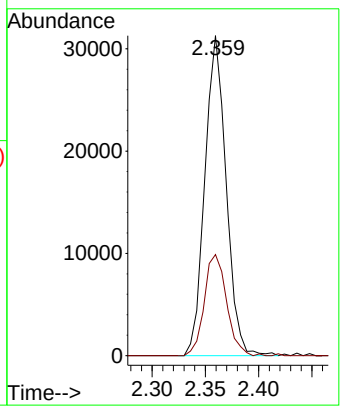


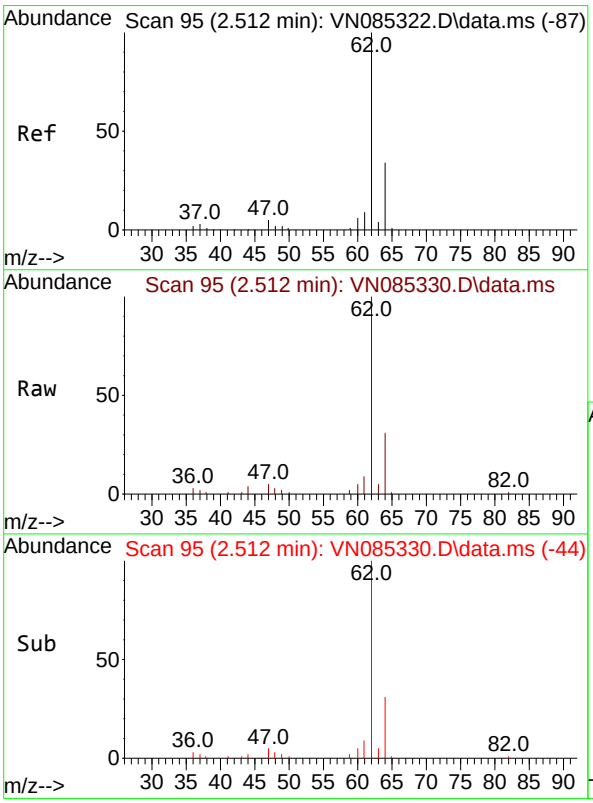
#3
Chloromethane
Concen: 16.780 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 50 Resp: 43547

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.1	37.7

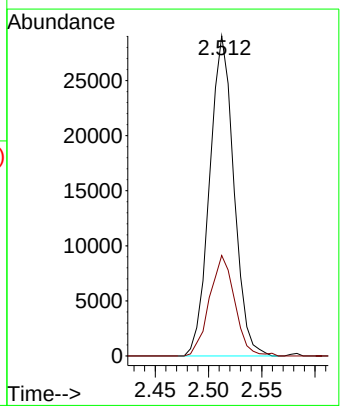


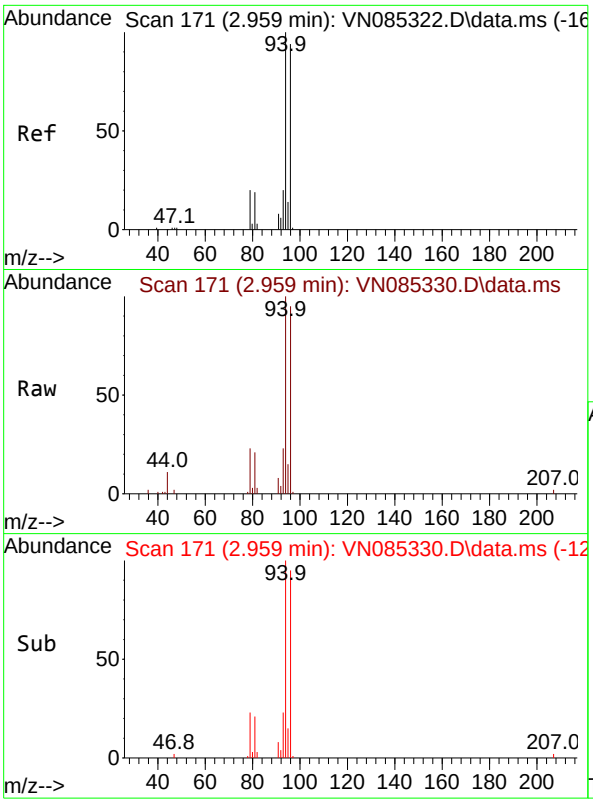


#4
Vinyl Chloride
Concen: 16.768 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 62 Resp: 46023

Ion	Ratio	Lower	Upper
62	100		
64	31.4	27.0	40.6



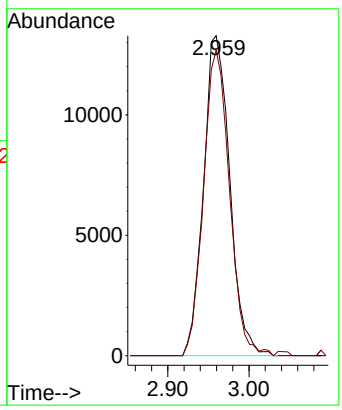


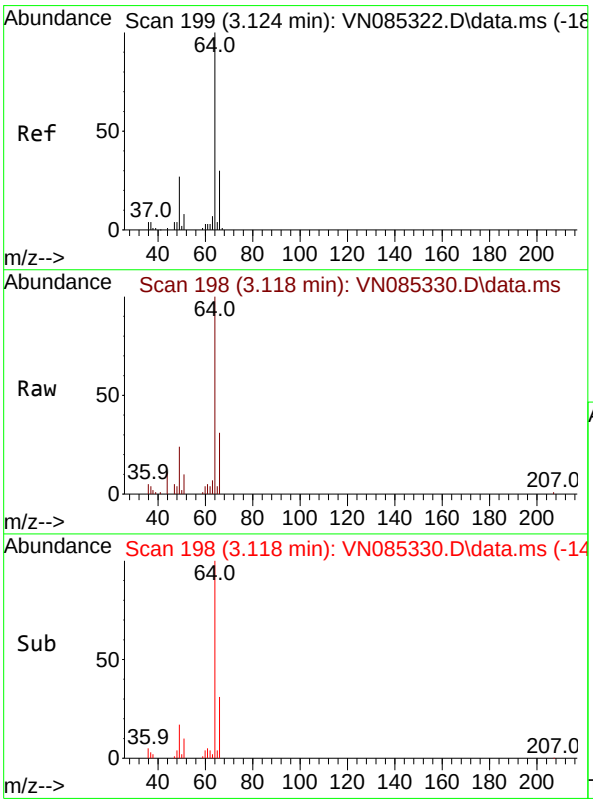
#5
Bromomethane
Concen: 16.639 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 94 Resp: 29868

Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.2	112.8

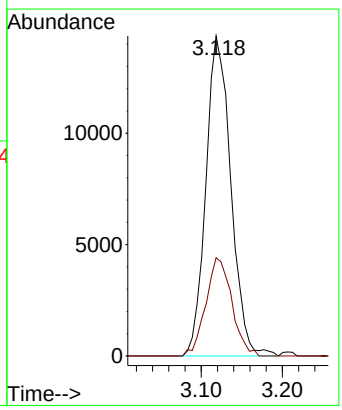


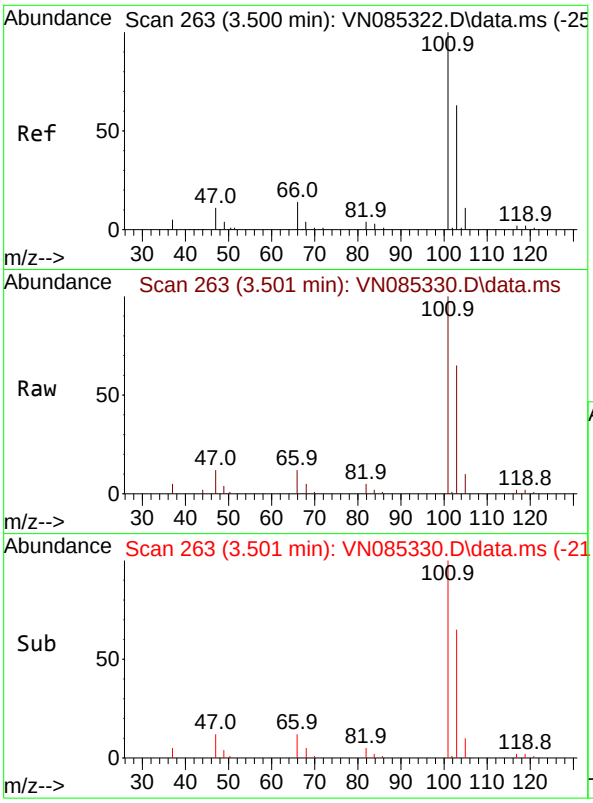


#6
Chloroethane
Concen: 17.634 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 64 Resp: 30694

Ion	Ratio	Lower	Upper
64	100		
66	30.7	24.1	36.1



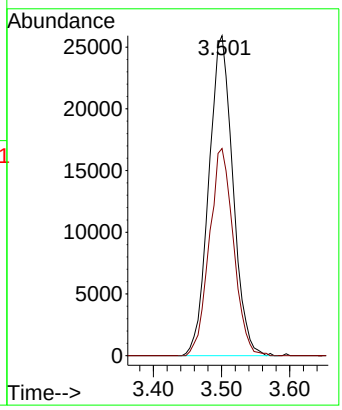


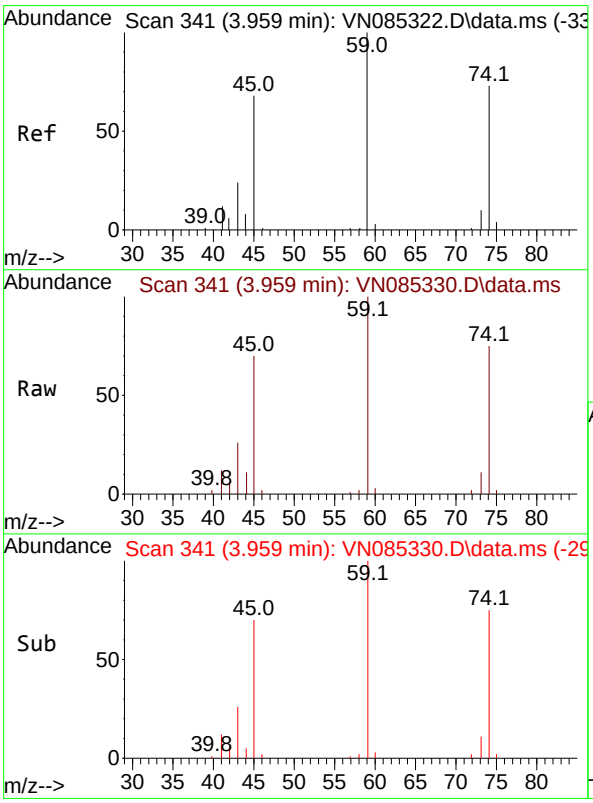
#7
Trichlorofluoromethane
Concen: 17.674 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:101 Resp: 63768

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.3	75.5

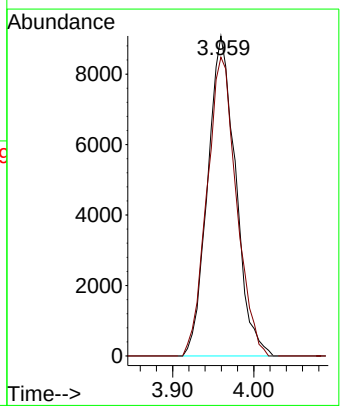


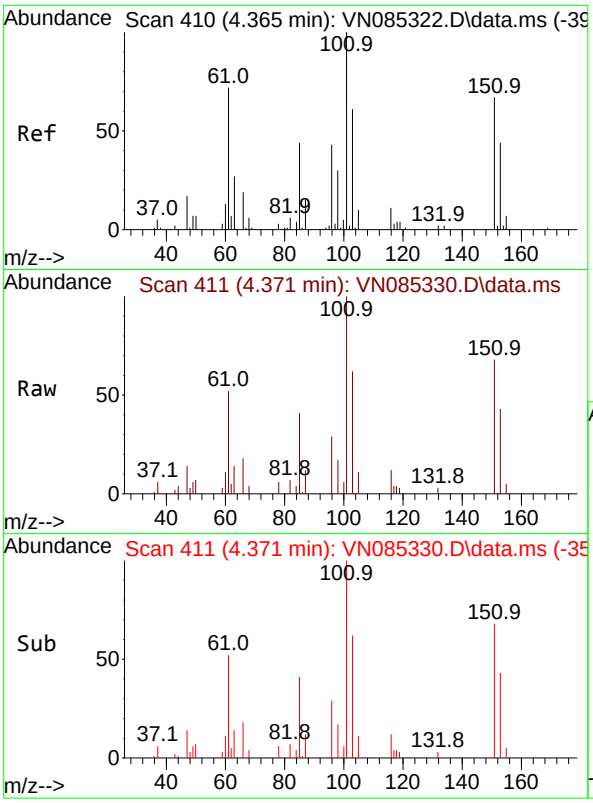


#8
Diethyl Ether
Concen: 18.186 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 74 Resp: 21725

Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.6



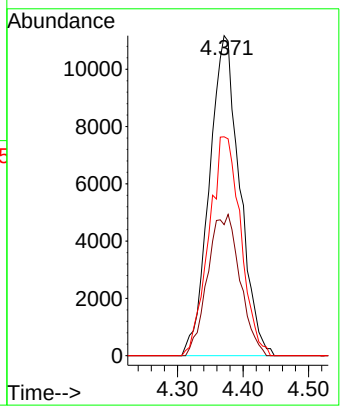


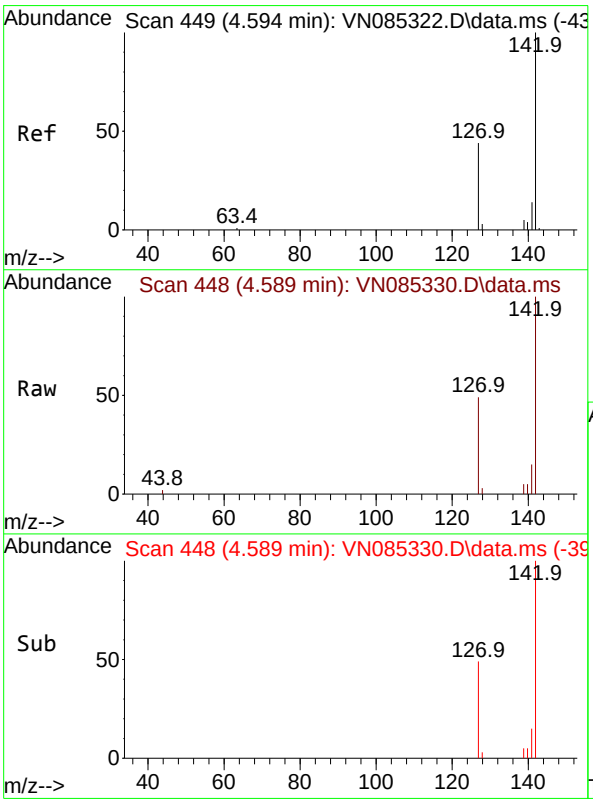
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.480 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:101 Resp: 35886

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	71.6	55.8	83.6

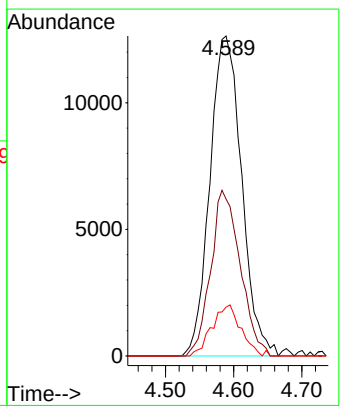


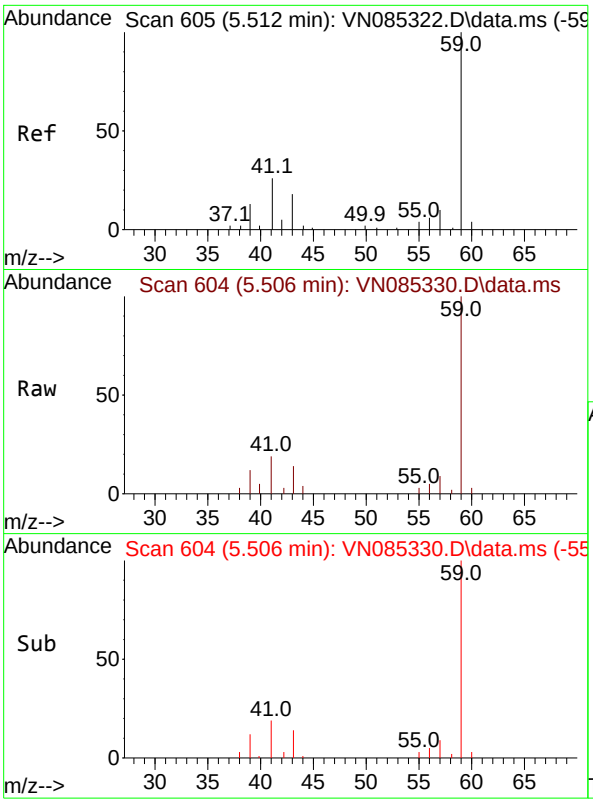


#10
Methyl Iodide
Concen: 17.229 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:142 Resp: 40932

Ion	Ratio	Lower	Upper
142	100		
127	49.0	35.3	52.9
141	15.2	11.5	17.3



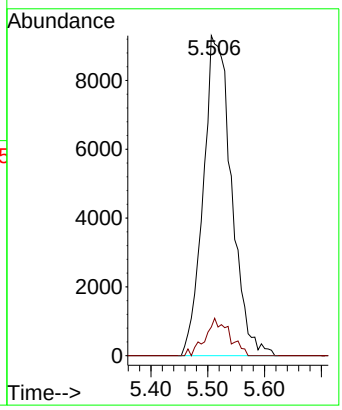


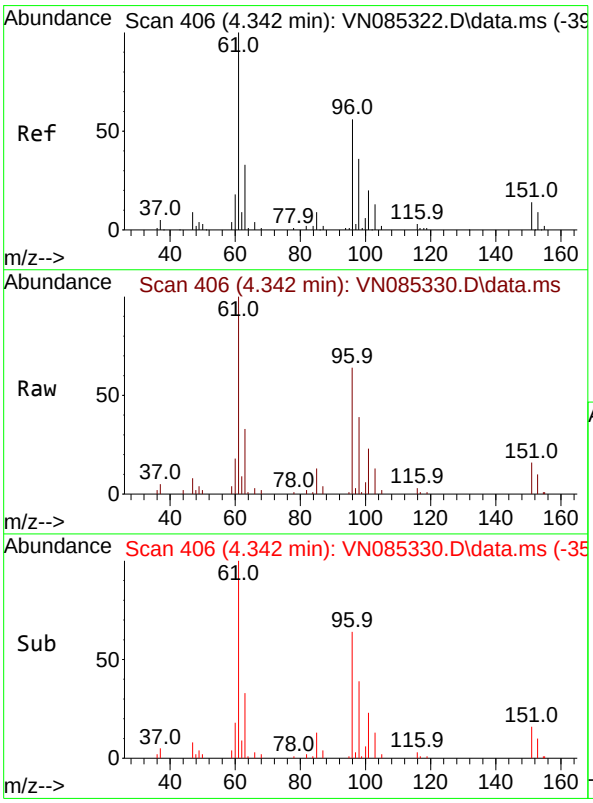
#11
Tert butyl alcohol
Concen: 104.934 ug/l
RT: 5.506 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 59 Resp: 31998

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

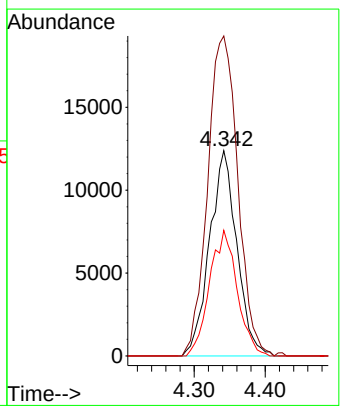


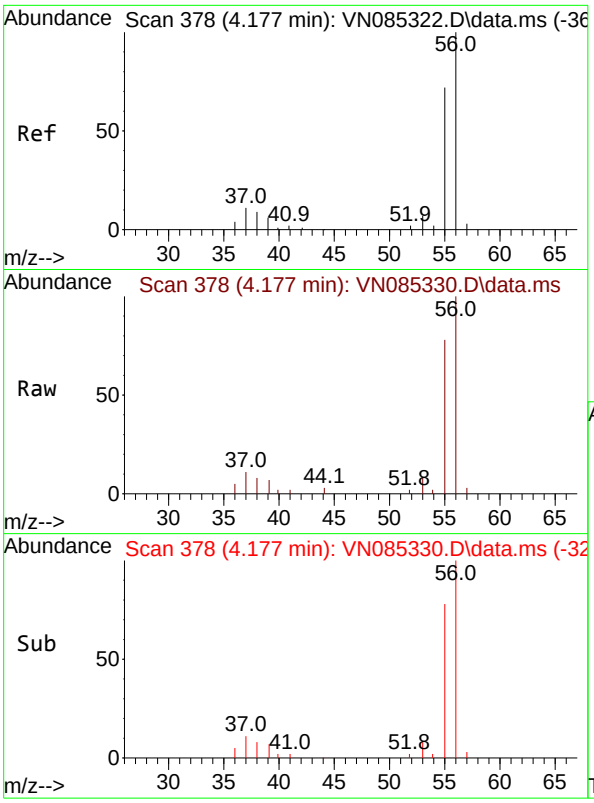


#12
1,1-Dichloroethene
Concen: 17.414 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 96 Resp: 33040

Ion	Ratio	Lower	Upper
96	100		
61	155.9	142.4	213.6
98	61.2	51.5	77.3



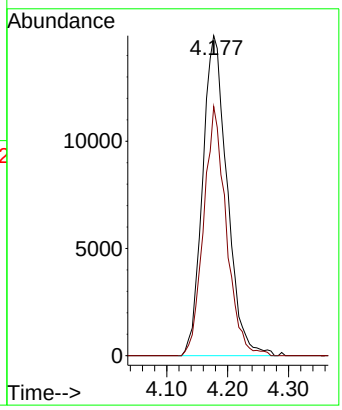


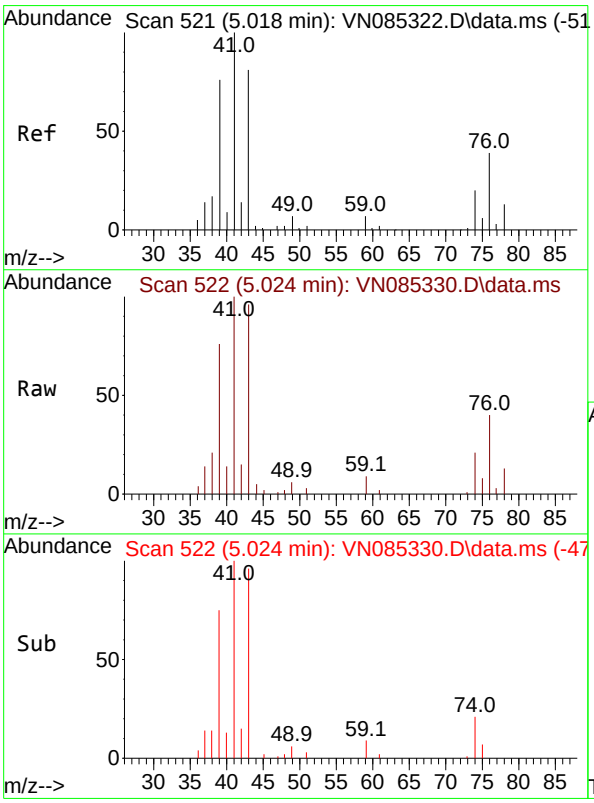
#13
Acrolein
Concen: 87.943 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 56 Resp: 41809

Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.5	86.3

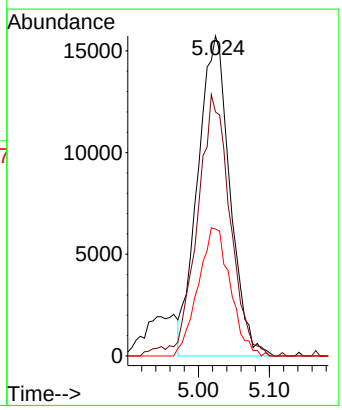


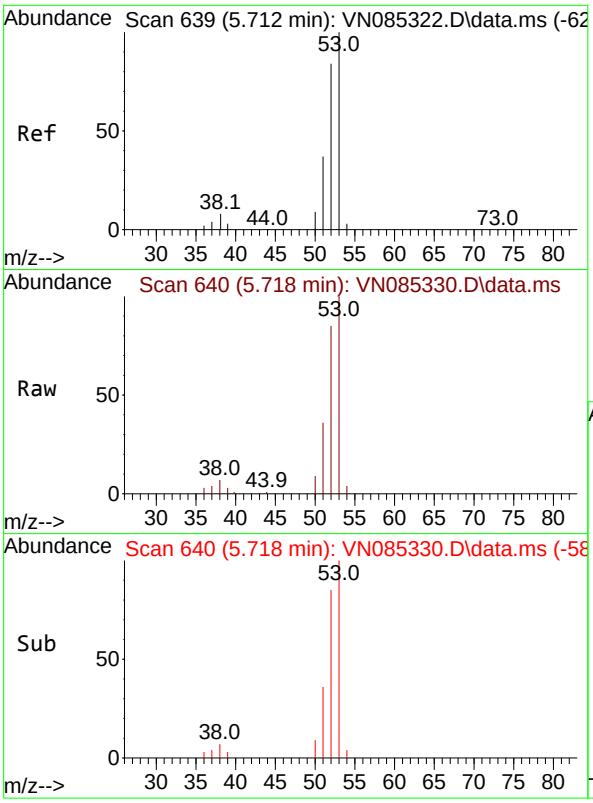


#14
Allyl chloride
Concen: 16.315 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 41 Resp: 49542

Ion	Ratio	Lower	Upper
41	100		
39	82.1	64.4	96.6
76	40.1	31.5	47.3



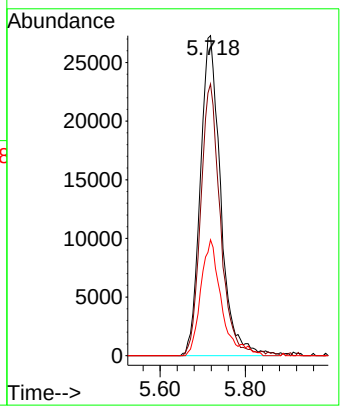


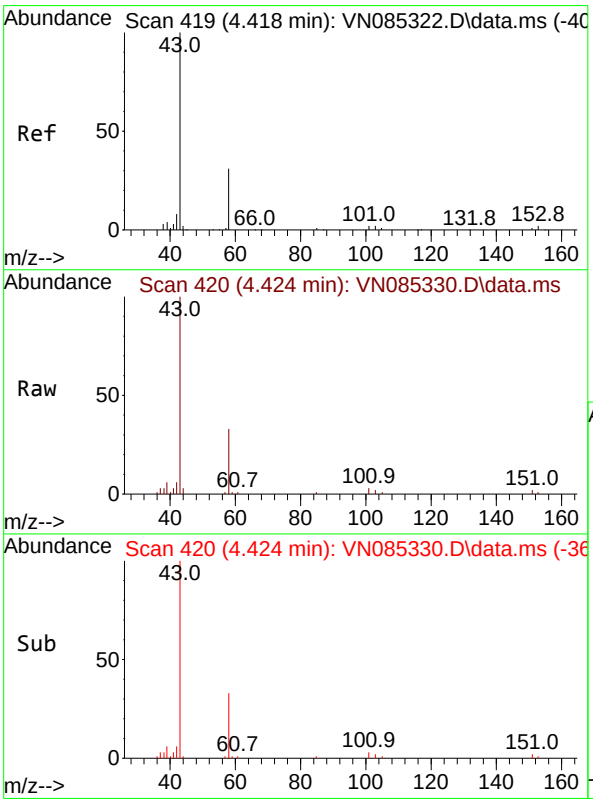
#15
Acrylonitrile
Concen: 94.155 ug/l
RT: 5.718 min Scan# 64
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 53 Resp: 90364

Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.6	100.0
51	34.8	29.6	44.4

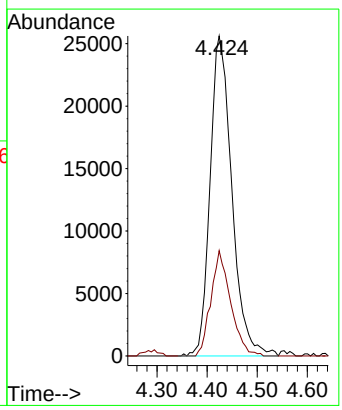


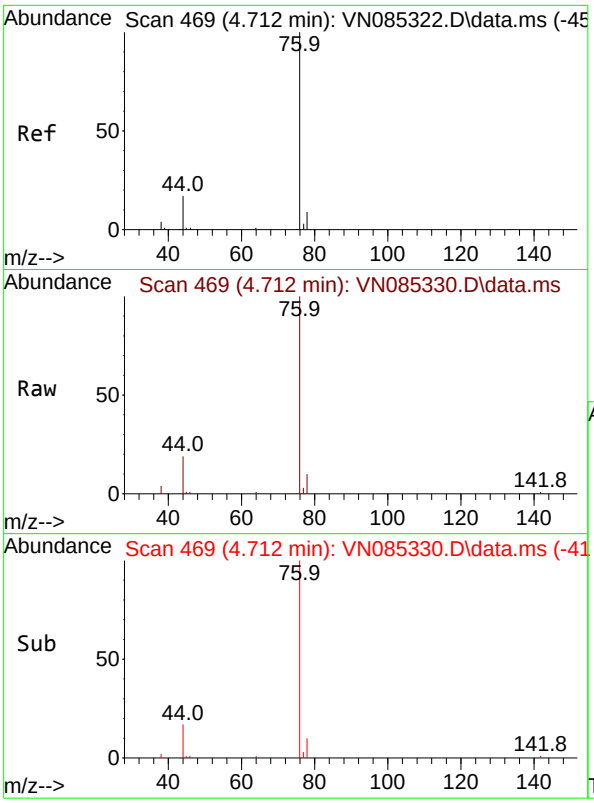


#16
Acetone
Concen: 96.477 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 77254

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.5	36.7



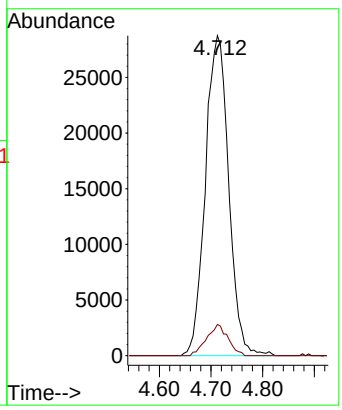


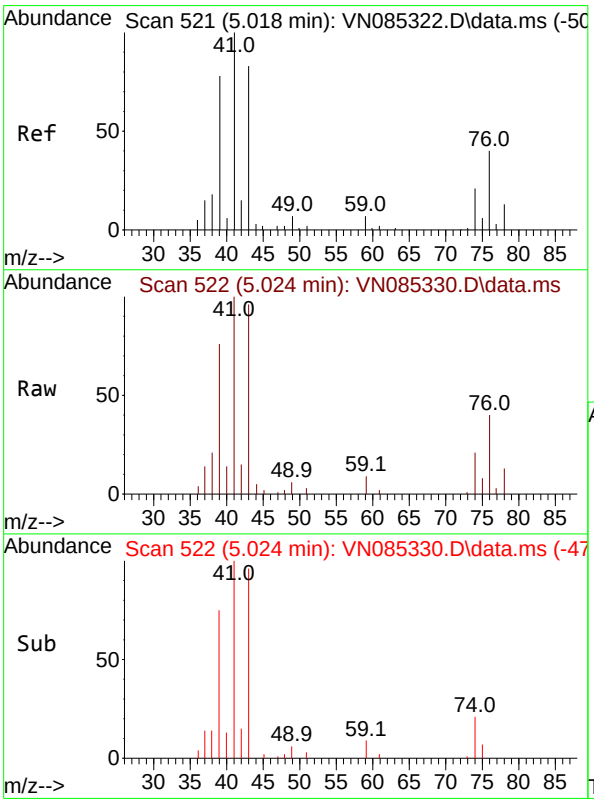
#17
Carbon Disulfide
Concen: 15.605 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 76 Resp: 90070

Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.2	10.8

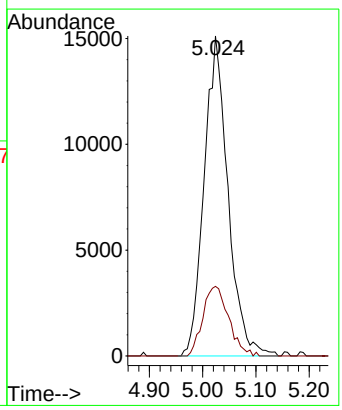


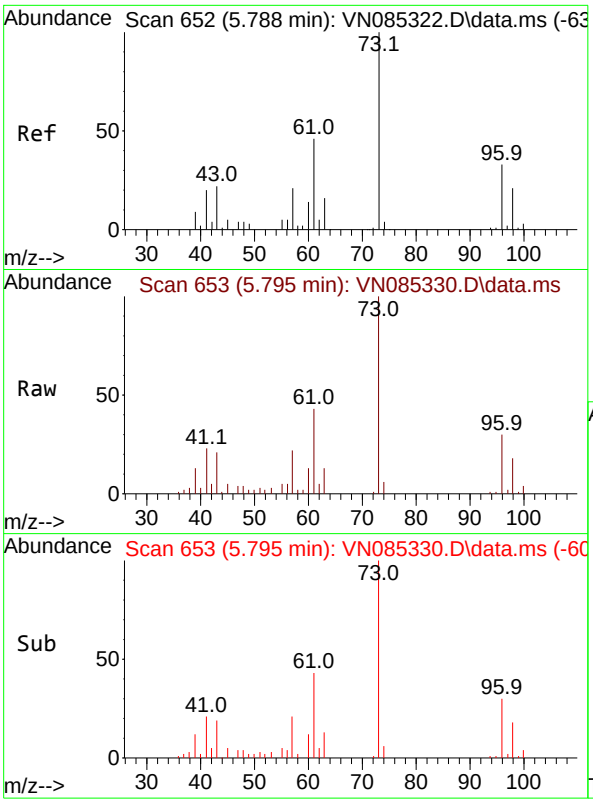


#18
Methyl Acetate
Concen: 19.175 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 47009

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6



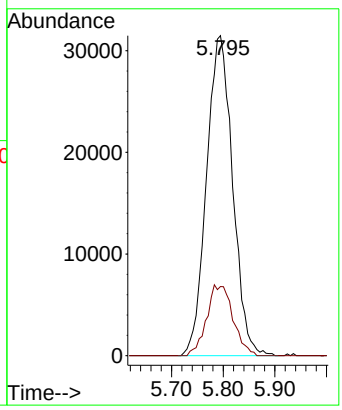


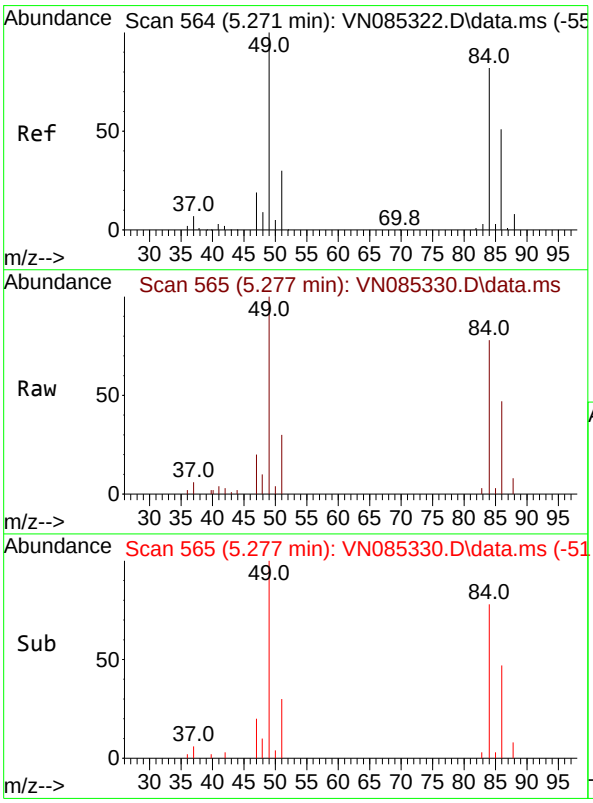
#19
Methyl tert-butyl Ether
Concen: 17.924 ug/l
RT: 5.795 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 73 Resp: 110534

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.0	25.6

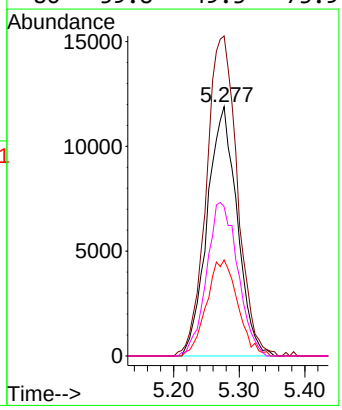


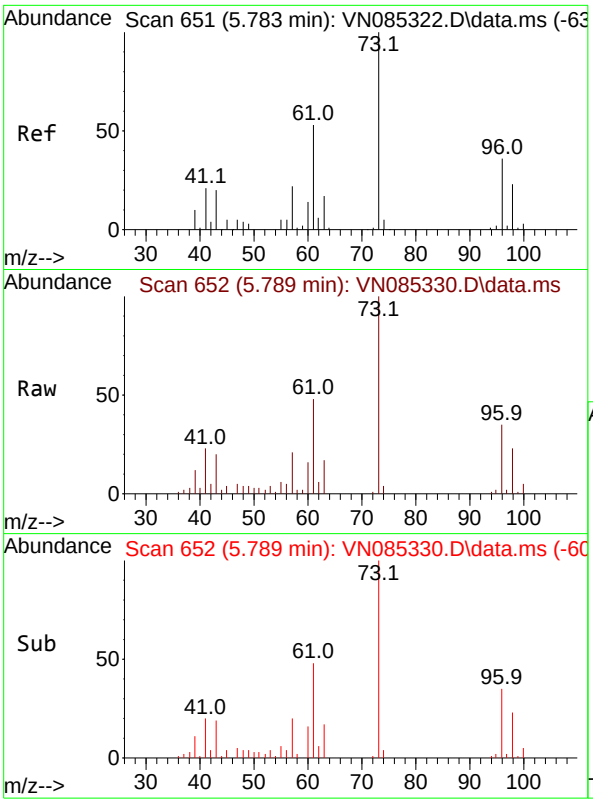


#20
Methylene Chloride
Concen: 17.488 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 84 Resp: 37667

Ion	Ratio	Lower	Upper
84	100		
49	128.4	97.6	146.4
51	38.5	29.1	43.7
86	59.8	49.3	73.9



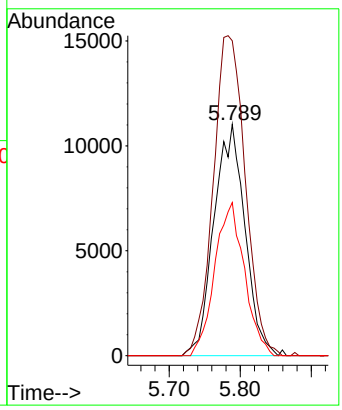


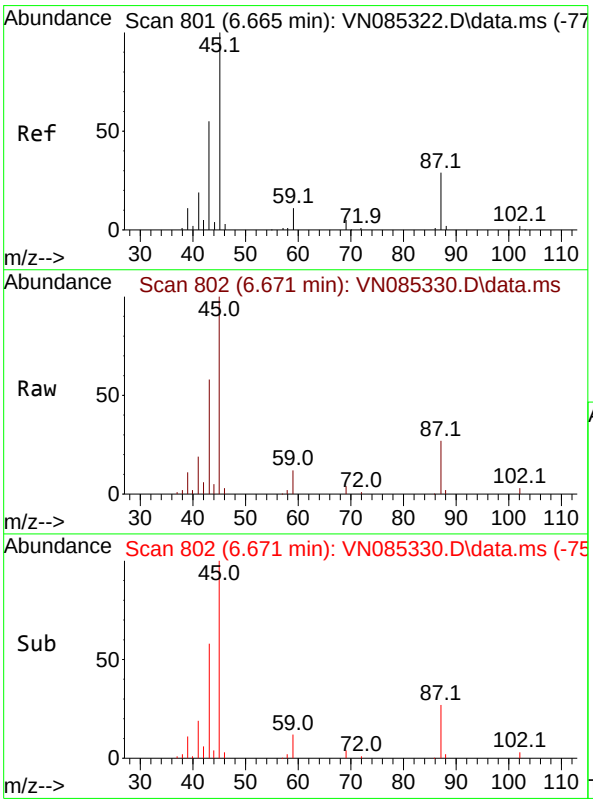
#21
trans-1,2-Dichloroethene
Concen: 16.815 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 96 Resp: 33327

Ion	Ratio	Lower	Upper
96	100		
61	136.1	118.0	177.0
98	66.2	50.6	75.8

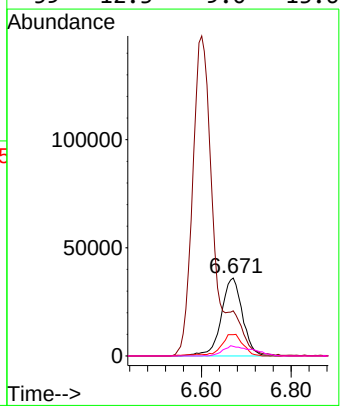


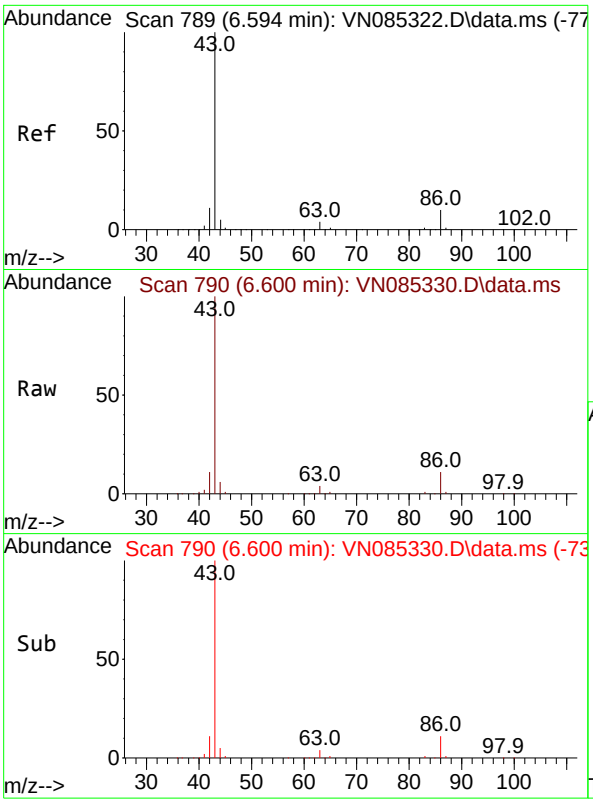


#22
Diisopropyl ether
Concen: 18.035 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 45 Resp: 118015

Ion	Ratio	Lower	Upper
45	100		
43	55.9	44.1	66.1
87	27.4	23.2	34.8
59	12.3	9.0	13.6



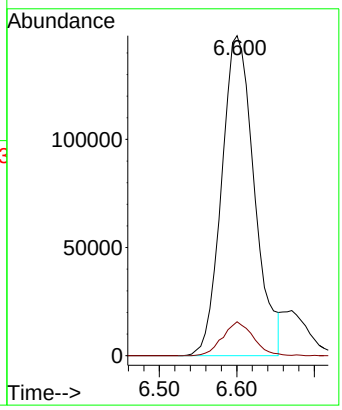


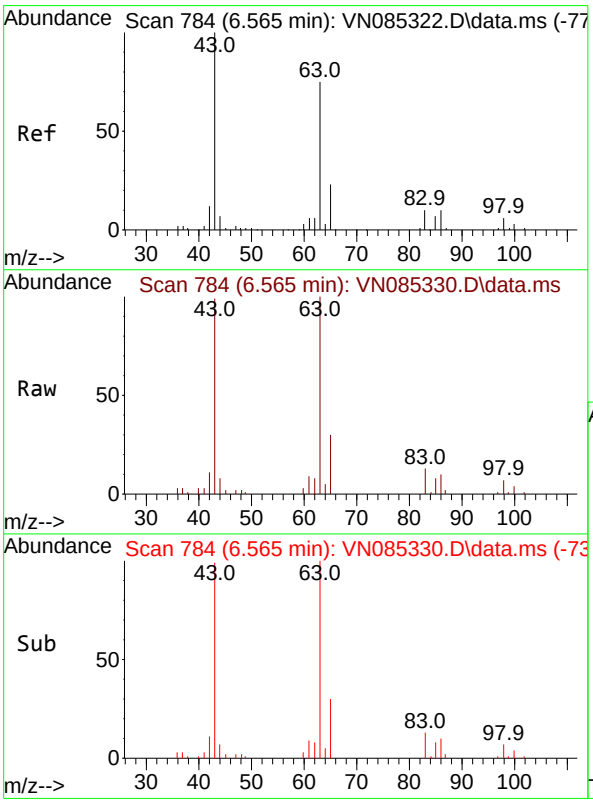
#23
Vinyl Acetate
Concen: 91.855 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 434816

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.0	12.0

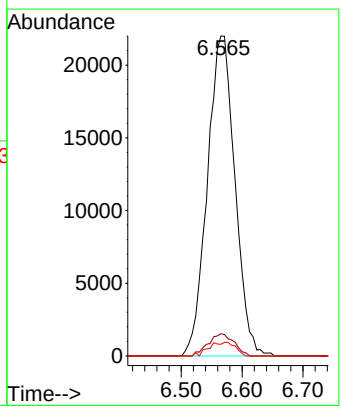


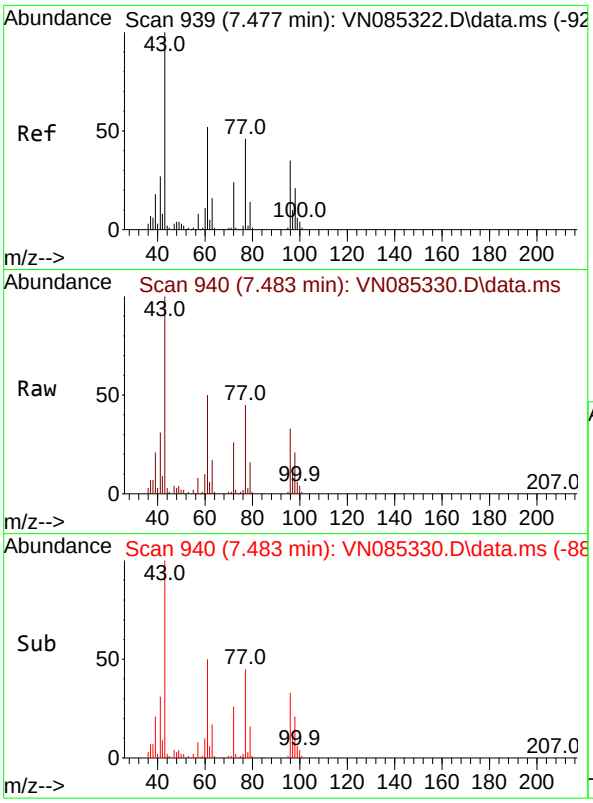


#24
1,1-Dichloroethane
Concen: 17.566 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 63 Resp: 69242

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.7	11.1
100	3.7	2.3	6.8



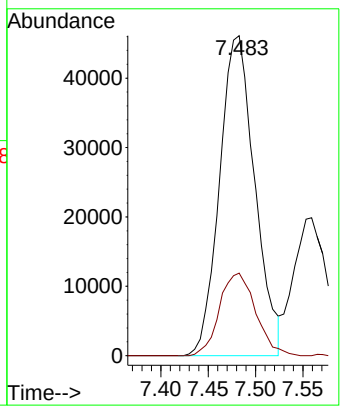


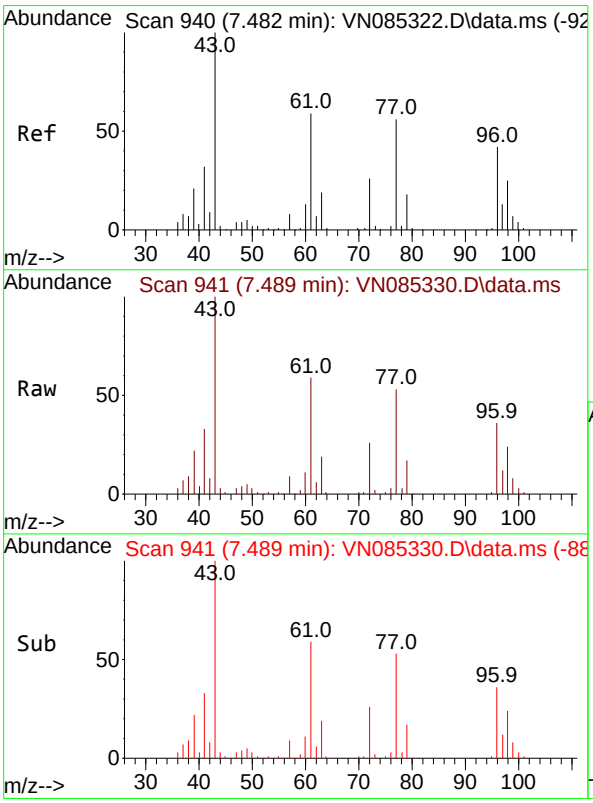
#25
2-Butanone
Concen: 96.241 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 119558

Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.6	29.4

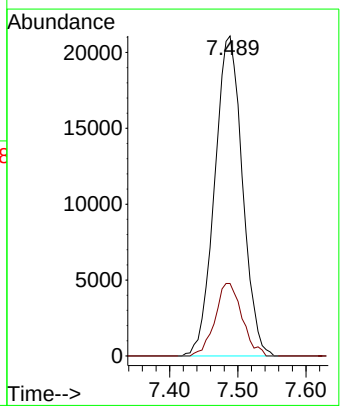


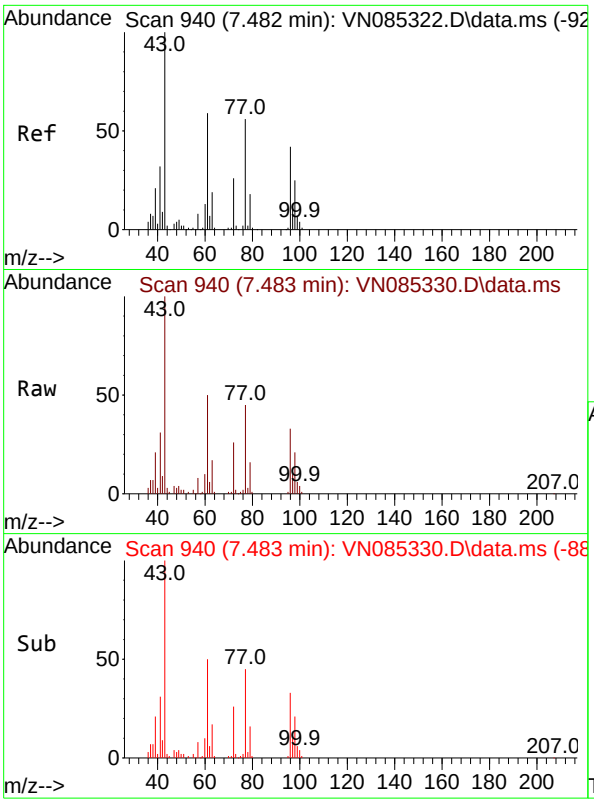


#26
2,2-Dichloropropane
Concen: 17.294 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 77 Resp: 59724

Ion	Ratio	Lower	Upper
77	100		
97	22.1	10.6	31.8



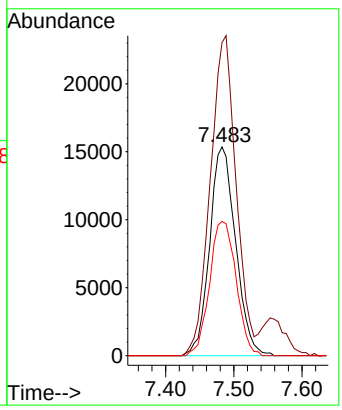


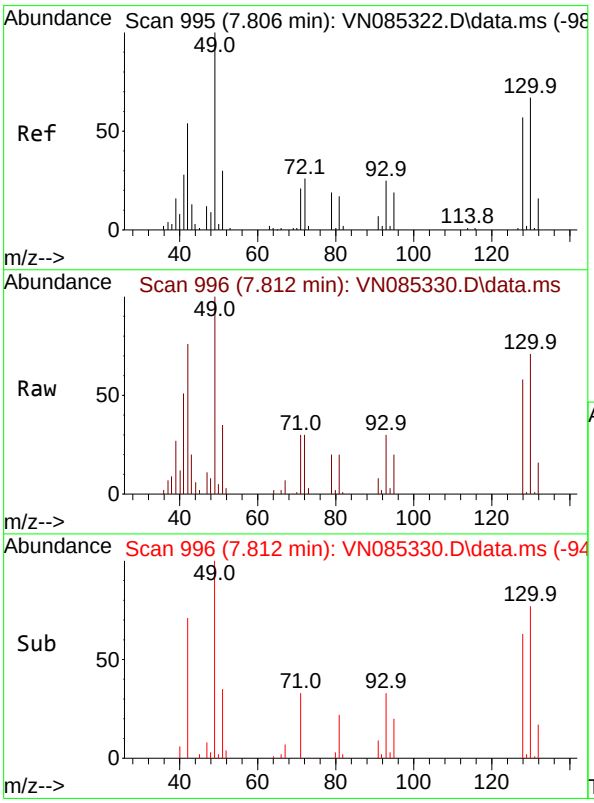
#27
cis-1,2-Dichloroethene
Concen: 17.533 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 96 Resp: 40786

Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	296.4
98	65.7	0.0	124.2

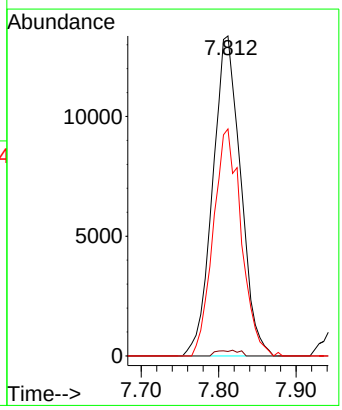


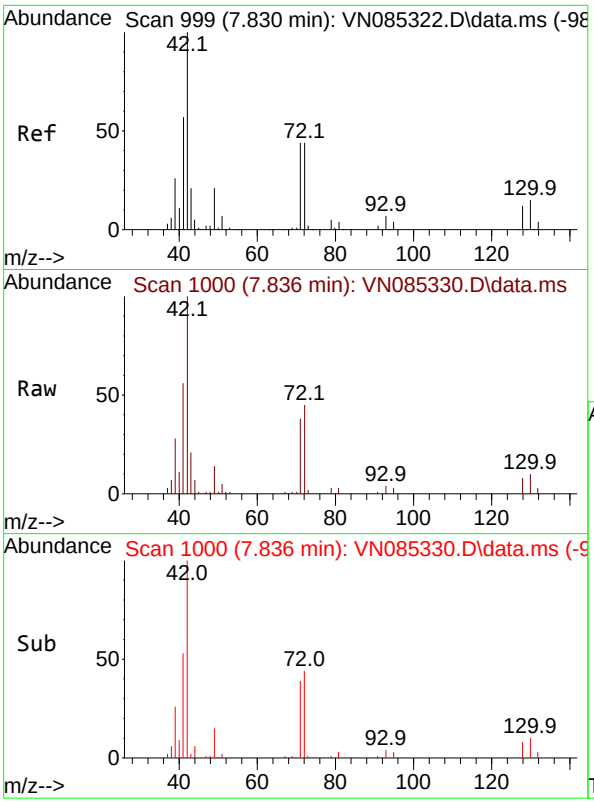


#28
Bromochloromethane
Concen: 18.335 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 49 Resp: 33586

Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.0
130	70.9	0.0	0.0#



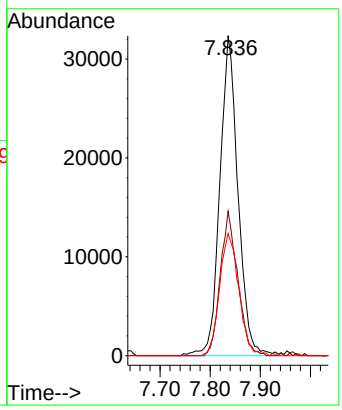


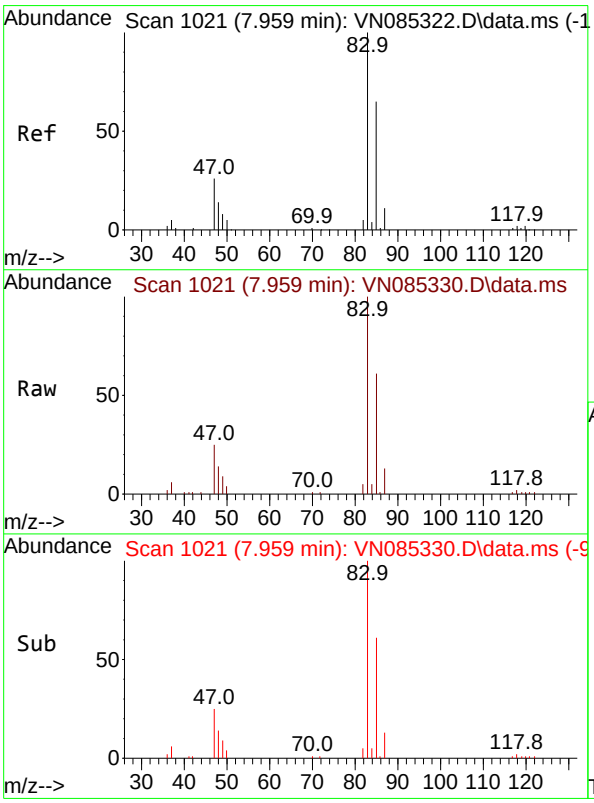
#29
Tetrahydrofuran
Concen: 101.699 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 42 Resp: 81381

Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.1	52.7
71	40.3	33.4	50.0

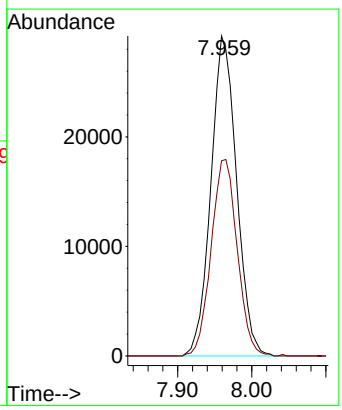


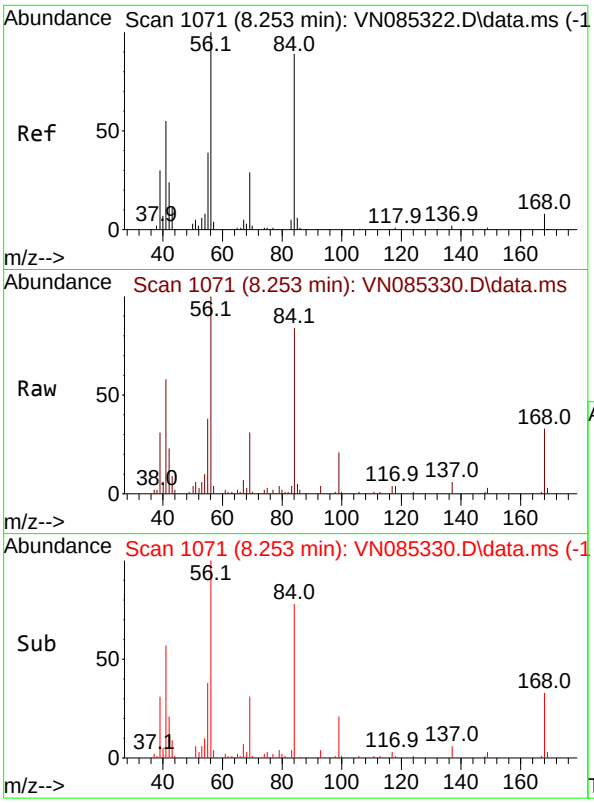


#30
Chloroform
Concen: 17.446 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 83 Resp: 70354

Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.0	78.0



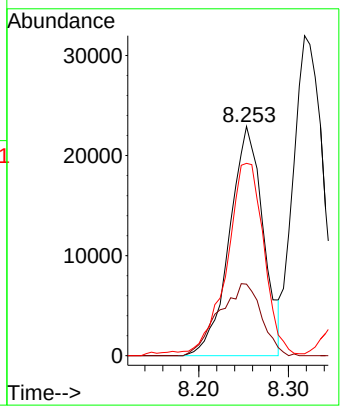


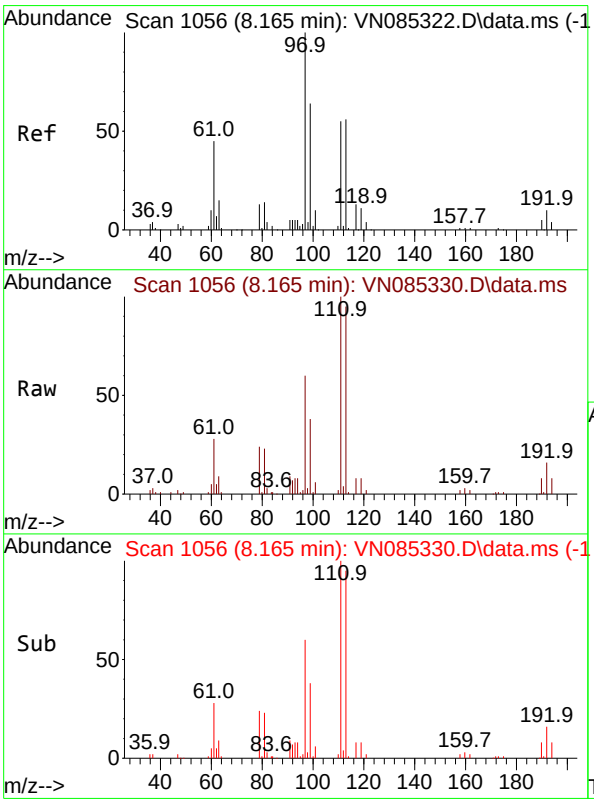
#31
Cyclohexane
Concen: 16.621 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 56 Resp: 59824

Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.4	35.0
84	82.3	71.0	106.6

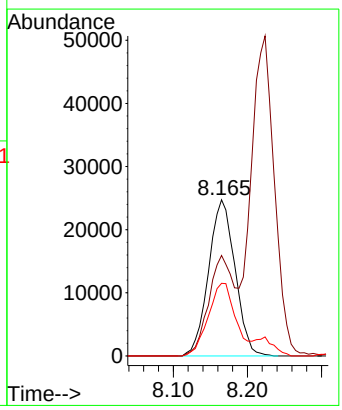


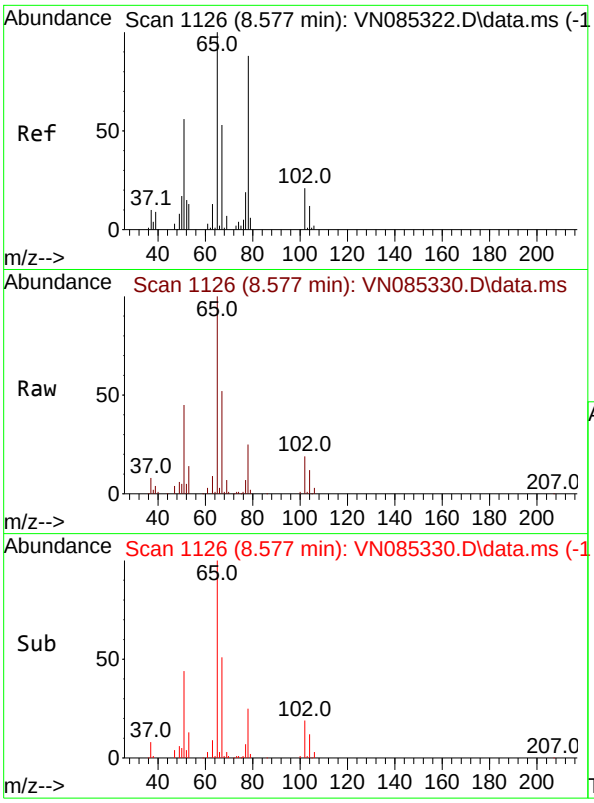


#32
1,1,1-Trichloroethane
Concen: 17.033 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 97 Resp: 61343

Ion	Ratio	Lower	Upper
97	100		
99	64.0	53.3	79.9
61	48.9	39.6	59.4



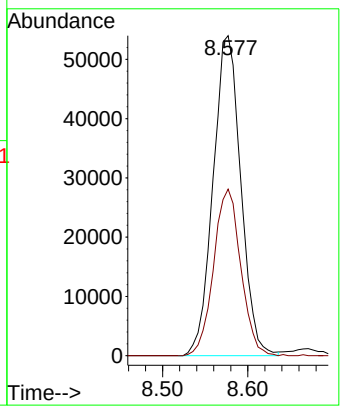


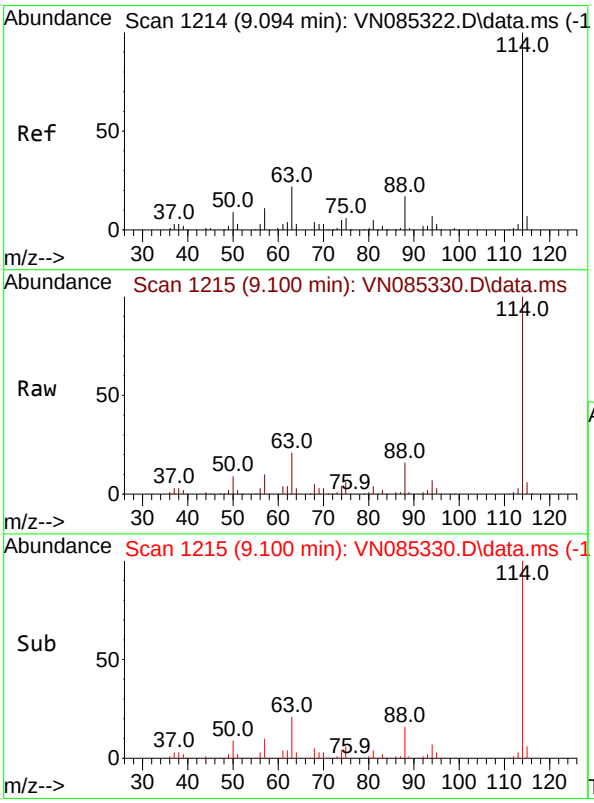
#33
1,2-Dichloroethane-d4
Concen: 50.057 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 65 Resp: 121898

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0

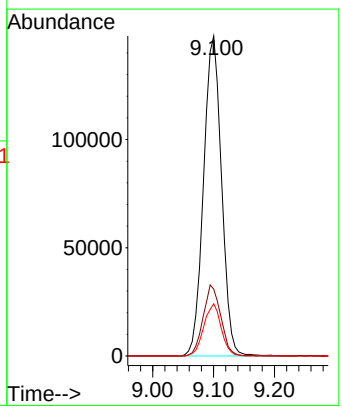


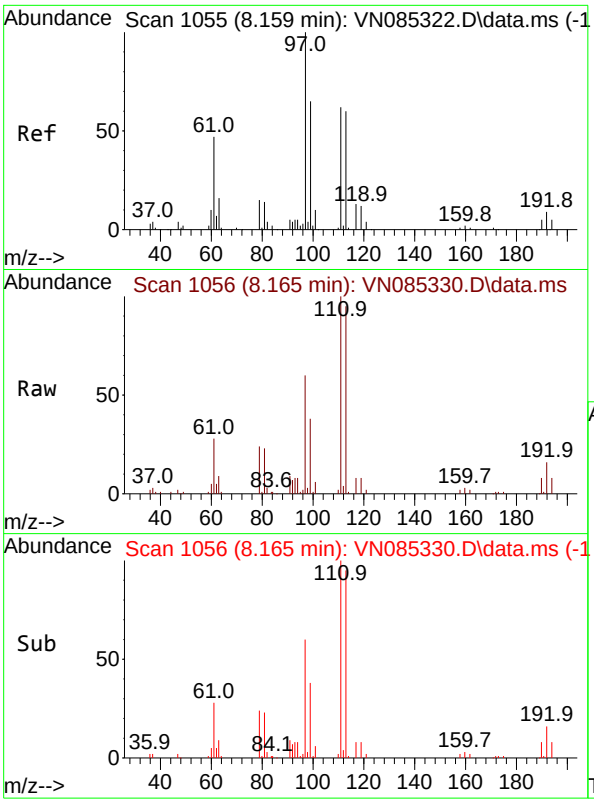


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:114 Resp: 303482

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.4
88	16.3	0.0	33.6



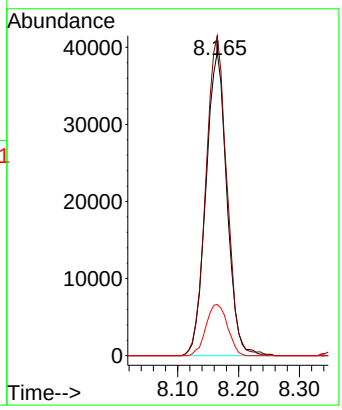


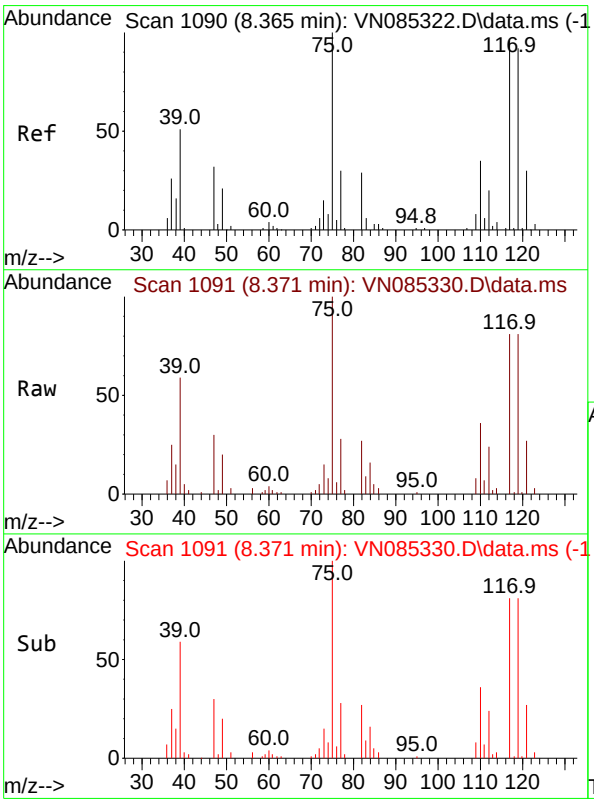
#35
Dibromofluoromethane
Concen: 49.656 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:113 Resp: 94013

Ion	Ratio	Lower	Upper
113	100		
111	105.6	80.5	120.7
192	17.4	12.9	19.3

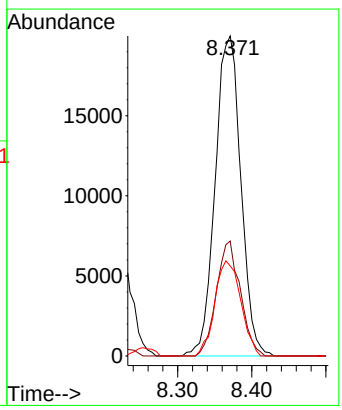


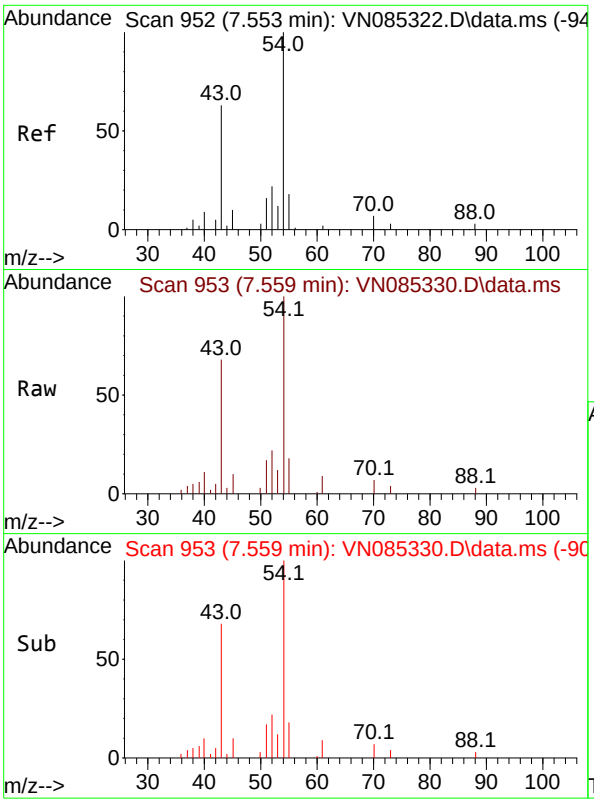


#36
1,1-Dichloropropene
Concen: 17.343 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 48077

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.6	49.8
77	30.0	24.3	36.5



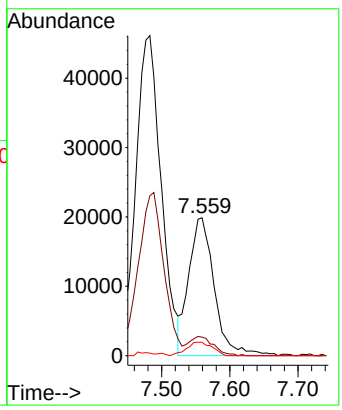


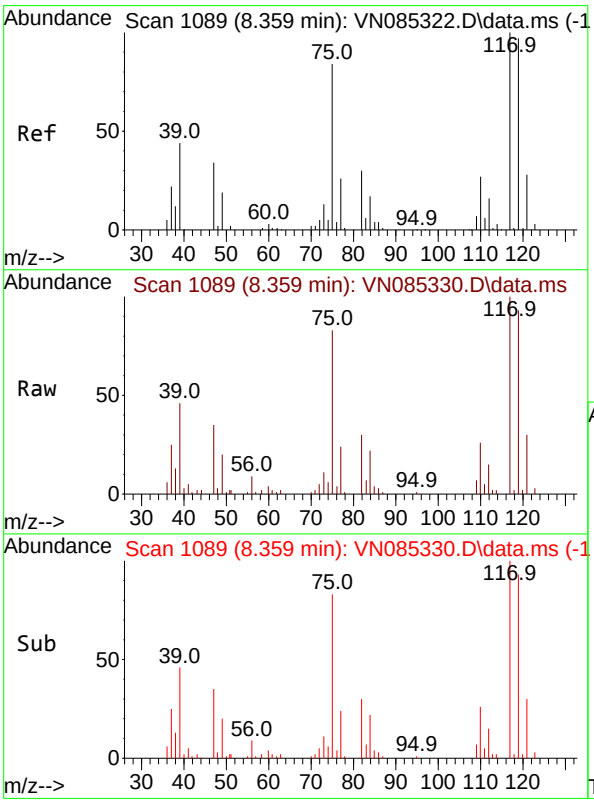
#37
Ethyl Acetate
Concen: 18.768 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 51711

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.4	15.6
70	9.8	8.2	12.2

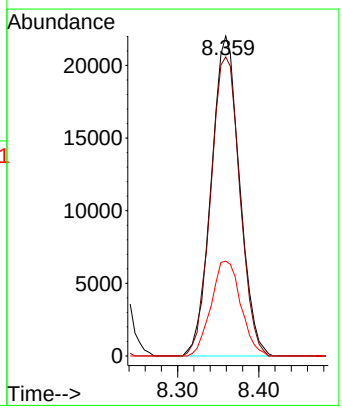


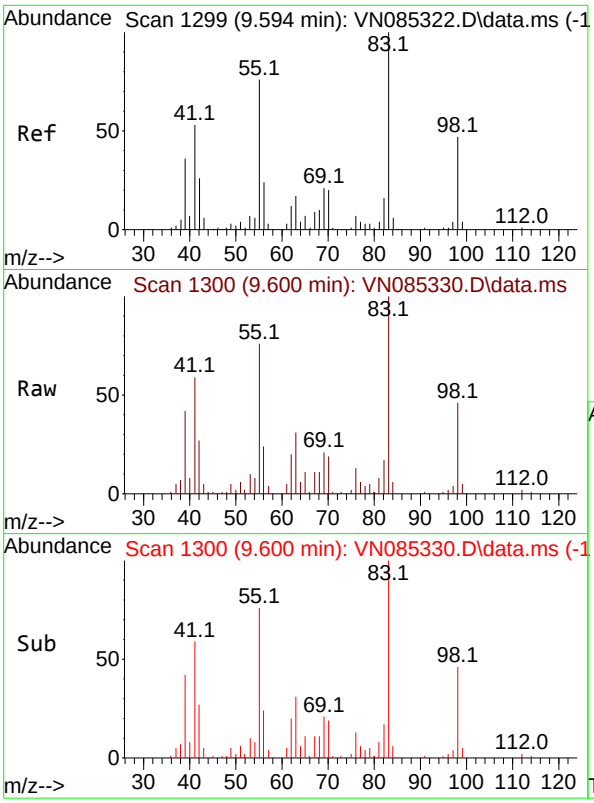


#38
Carbon Tetrachloride
Concen: 17.641 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:117 Resp: 53303

Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.8	116.6
121	29.6	22.5	33.7



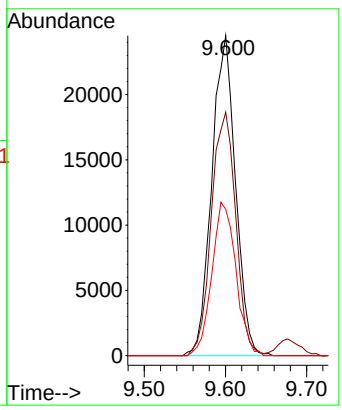


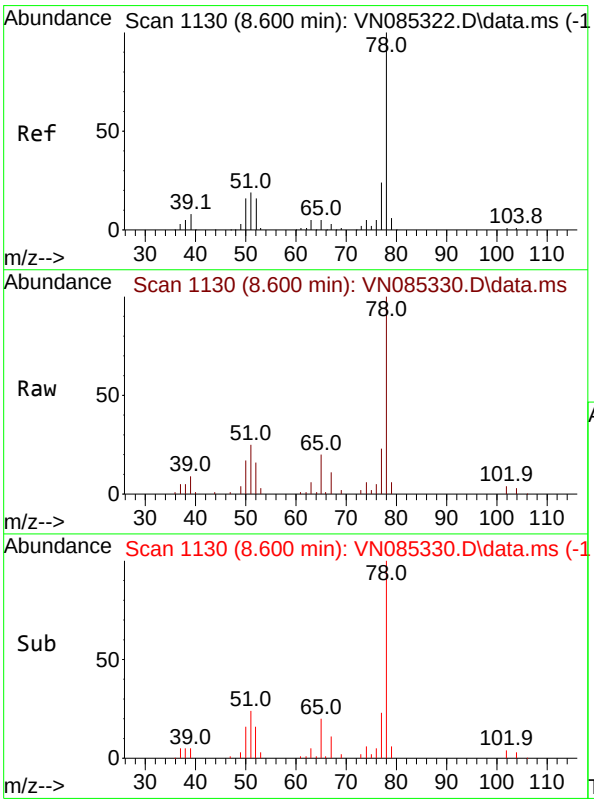
#39
Methylcyclohexane
Concen: 17.312 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 83 Resp: 49793

Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.7	91.1
98	45.7	37.7	56.5

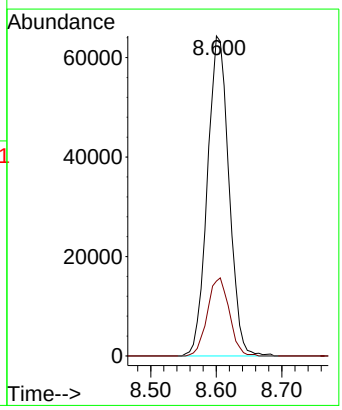


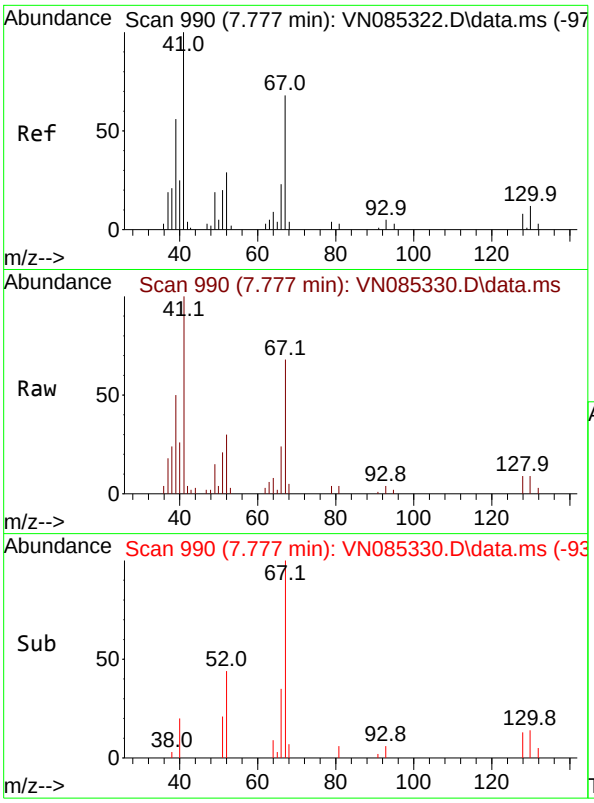


#40
Benzene
Concen: 17.534 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 78 Resp: 146952

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4



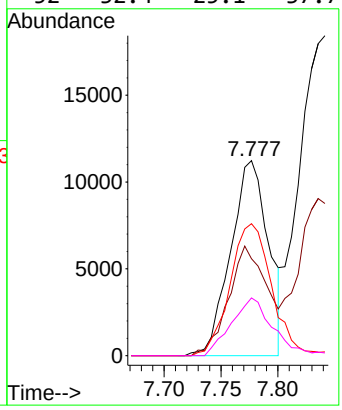


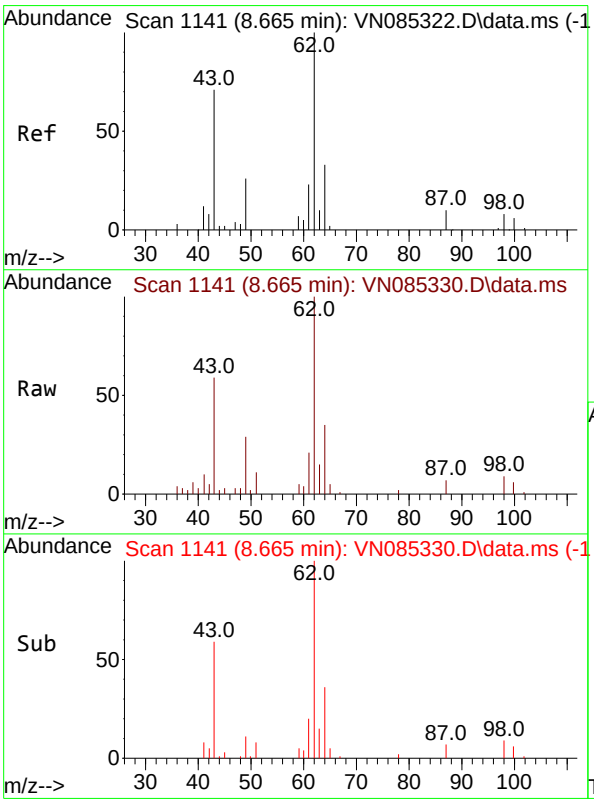
#41
Methacrylonitrile
Concen: 18.484 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 41 Resp: 26082

Ion	Ratio	Lower	Upper
41	100		
39	57.2	45.8	68.8
67	74.2	57.1	85.7
52	32.4	25.1	37.7

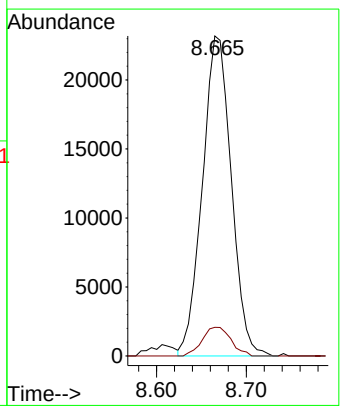


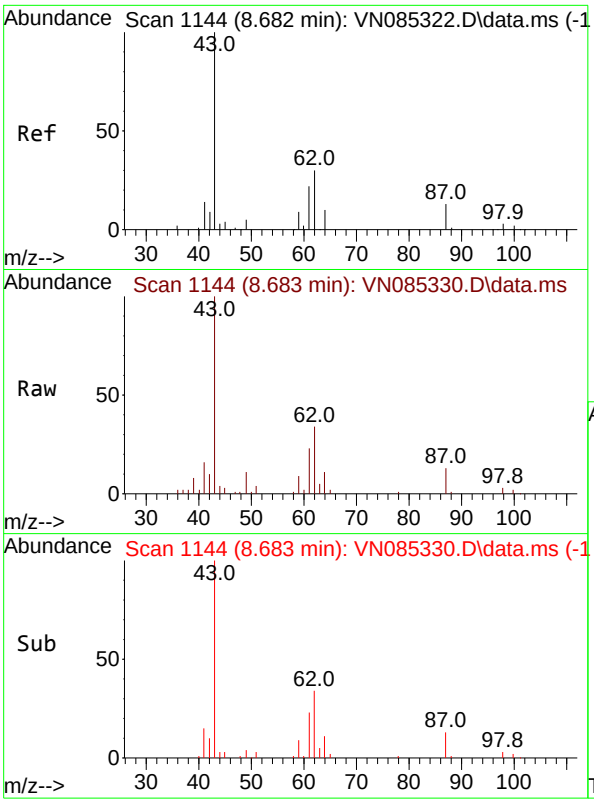


#42
1,2-Dichloroethane
Concen: 17.267 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 62 Resp: 51885

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.6



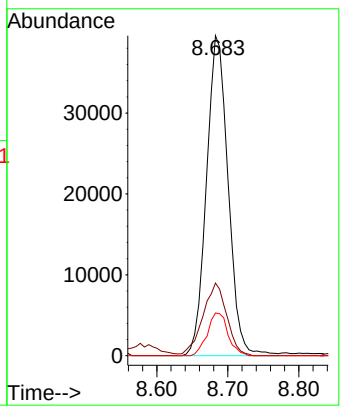


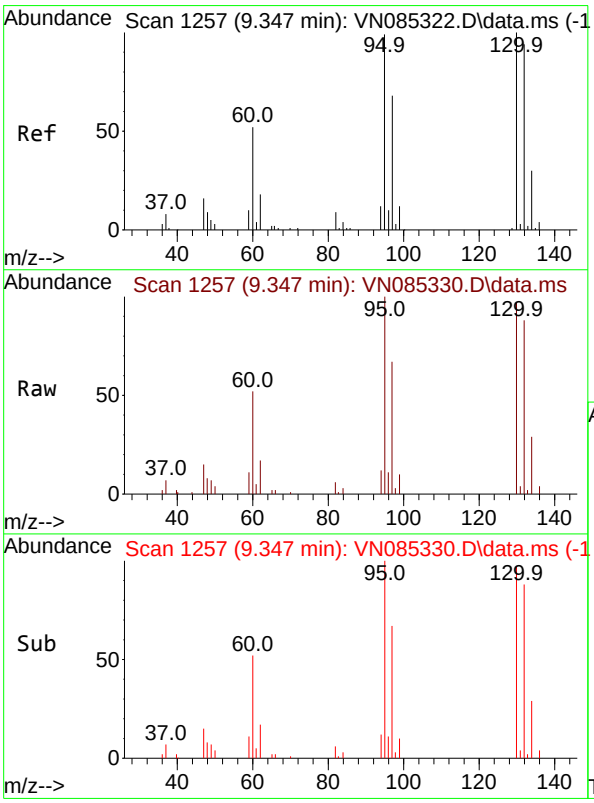
#43
Isopropyl Acetate
Concen: 18.499 ug/l
RT: 8.683 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 83925

Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.8	31.2
87	12.7	10.2	15.4

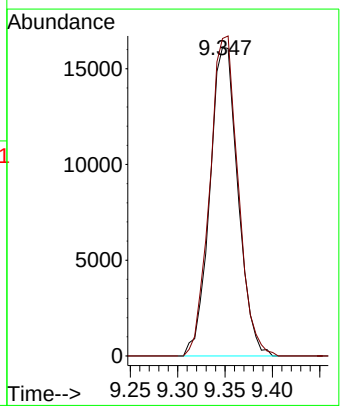


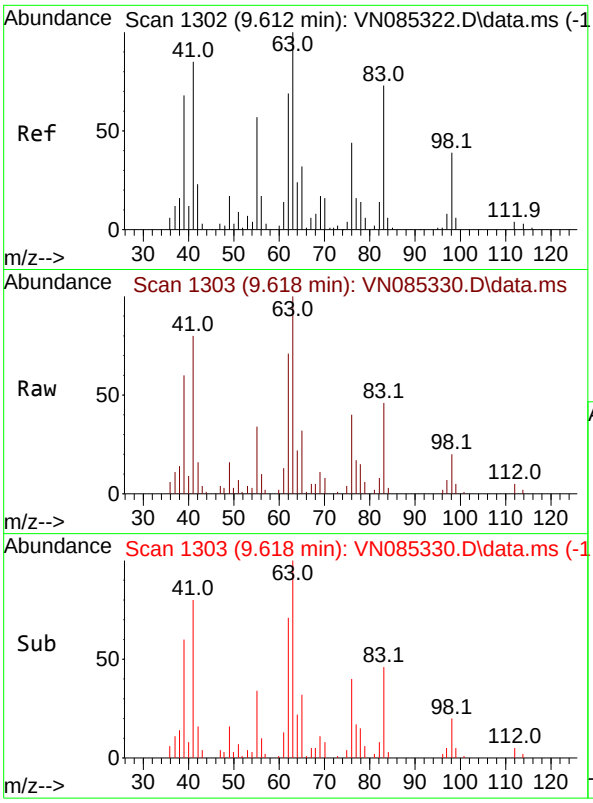


#44
Trichloroethene
Concen: 16.790 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:130 Resp: 33316

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	197.8



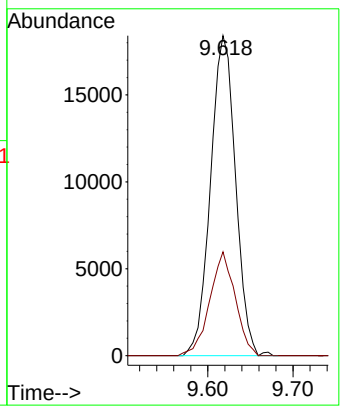


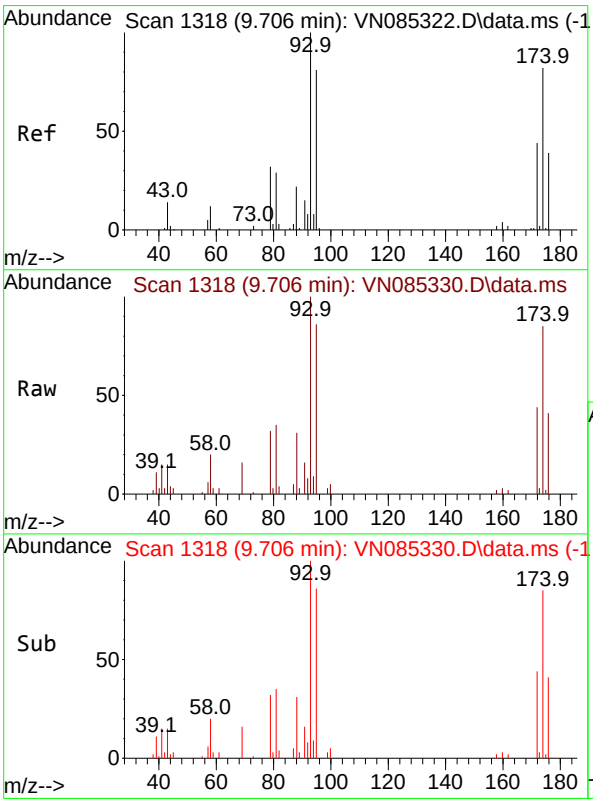
#45
1,2-Dichloropropane
Concen: 17.646 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 63 Resp: 37543

Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.5	38.3

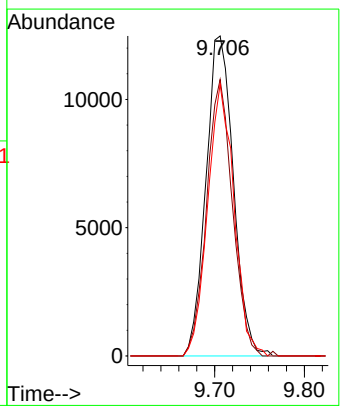


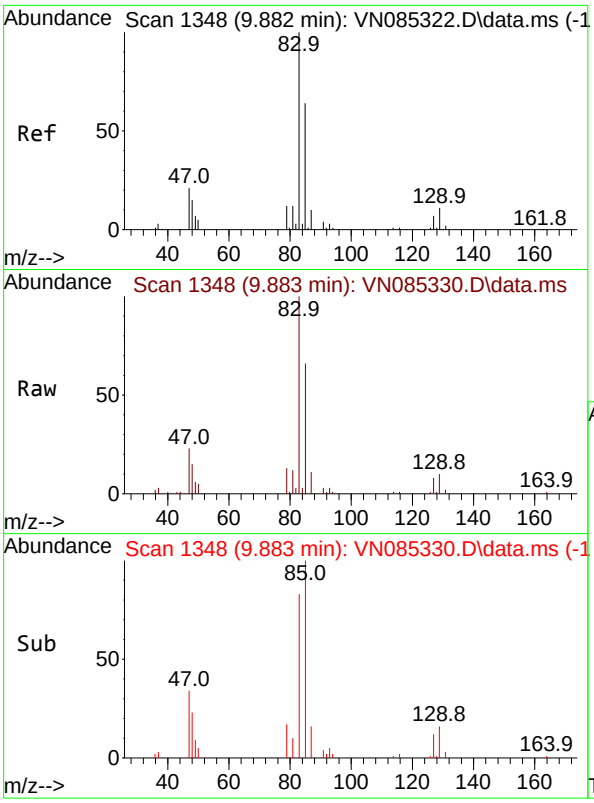


#46
Dibromomethane
Concen: 17.895 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 93 Resp: 26479

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.3	97.9
174	81.4	66.4	99.6



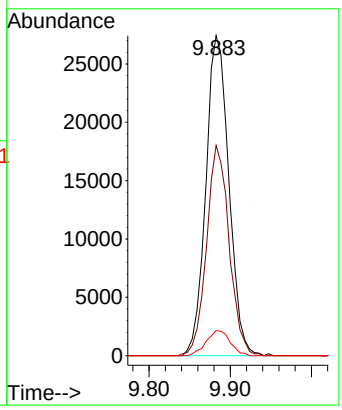


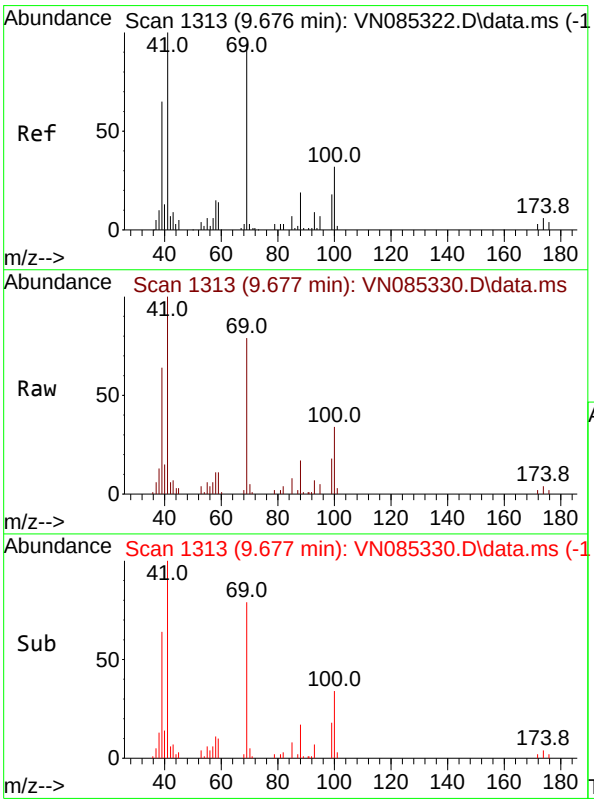
#47
Bromodichloromethane
Concen: 17.565 ug/l
RT: 9.883 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 83 Resp: 54021

Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.0	76.4
127	7.9	5.8	8.6

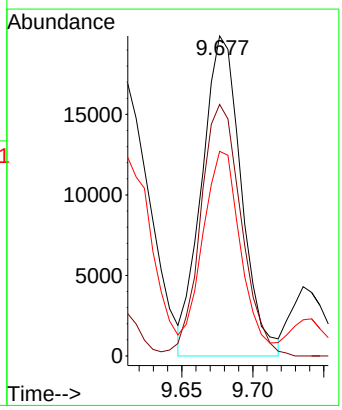


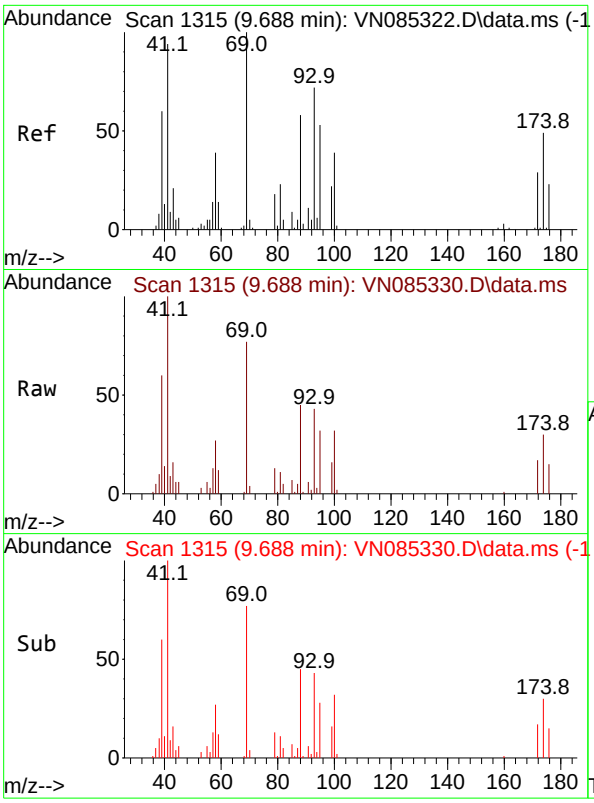


#48
Methyl methacrylate
Concen: 19.497 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 41 Resp: 38382

Ion	Ratio	Lower	Upper
41	100		
69	81.1	67.7	101.5
39	62.2	51.2	76.8



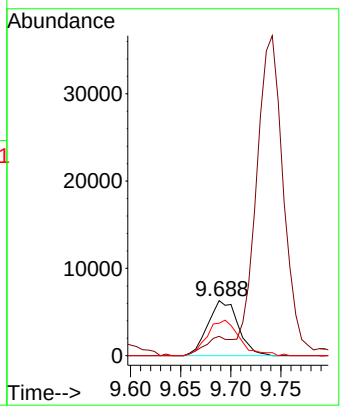


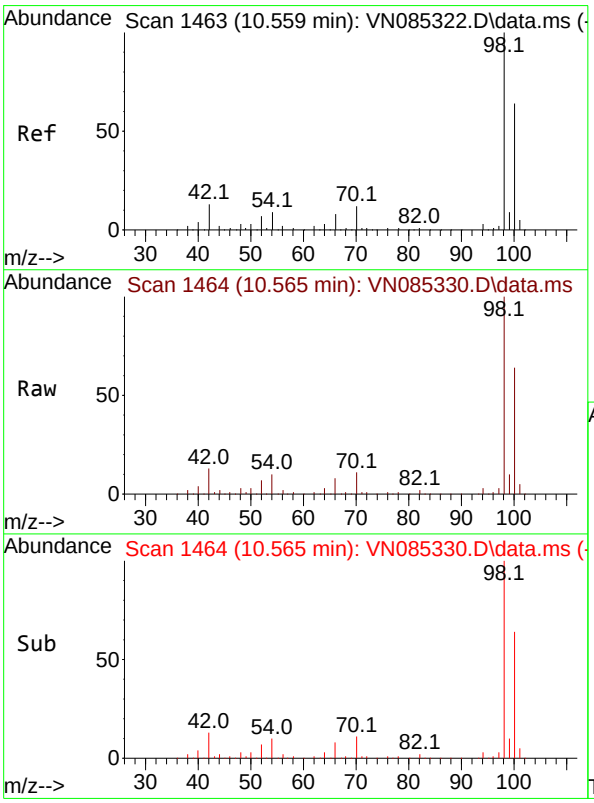
#49
1,4-Dioxane
Concen: 446.267 ug/l
RT: 9.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 88 Resp: 13255

Ion	Ratio	Lower	Upper
88	100		
43	29.2	22.1	33.1
58	68.8	56.7	85.1

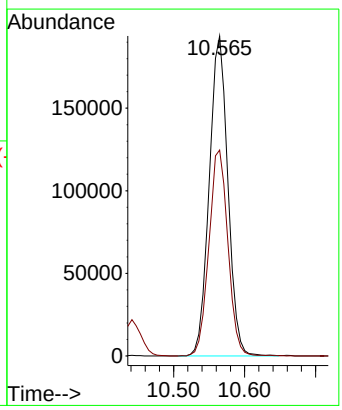


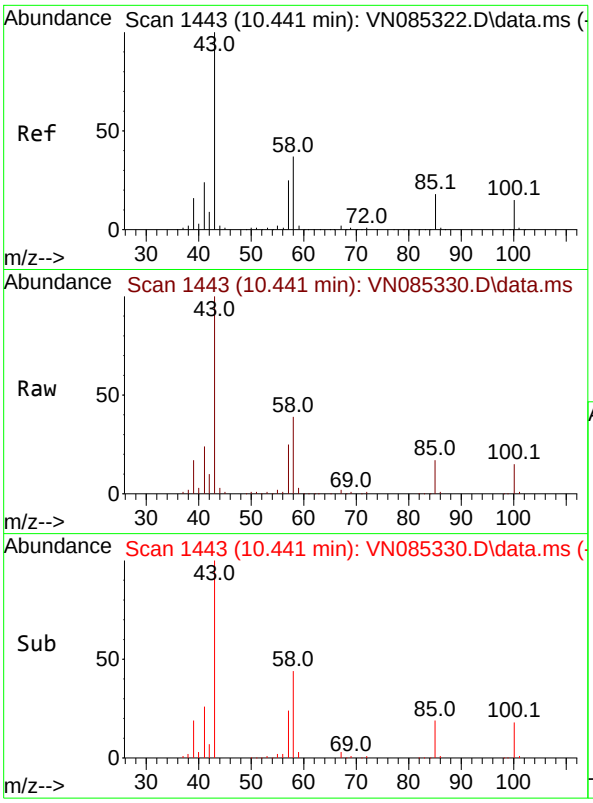


#50
Toluene-d8
Concen: 50.625 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 98 Resp: 351721

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.5	77.3



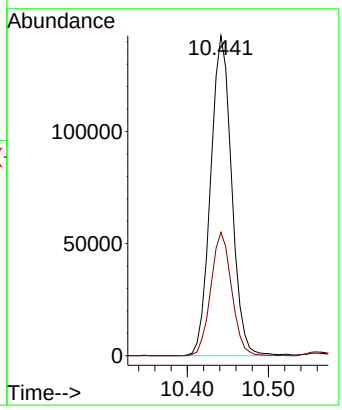


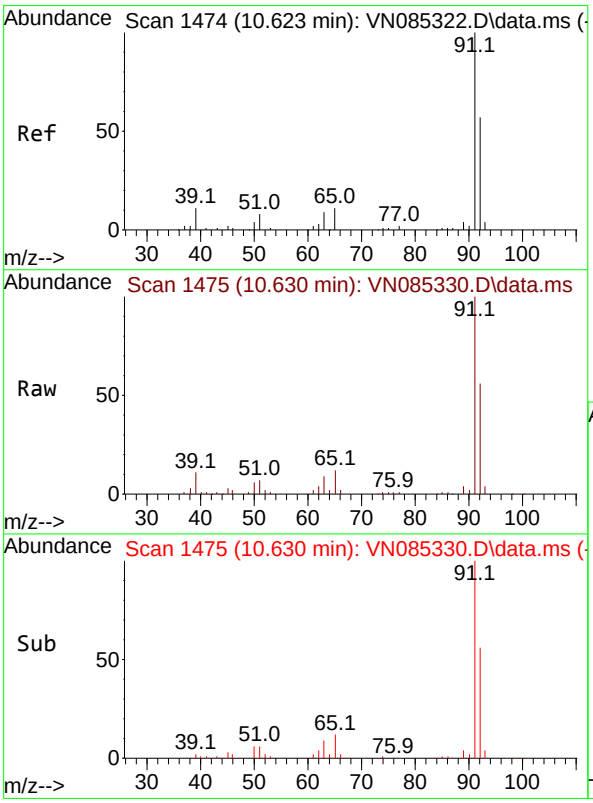
#51
4-Methyl-2-Pentanone
Concen: 100.886 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 257213

Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.3	45.5

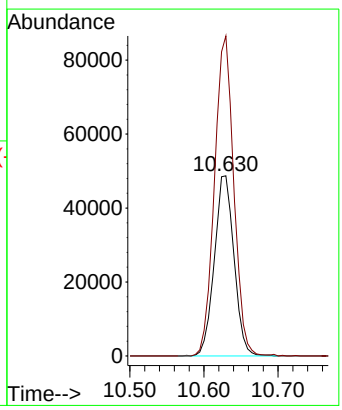


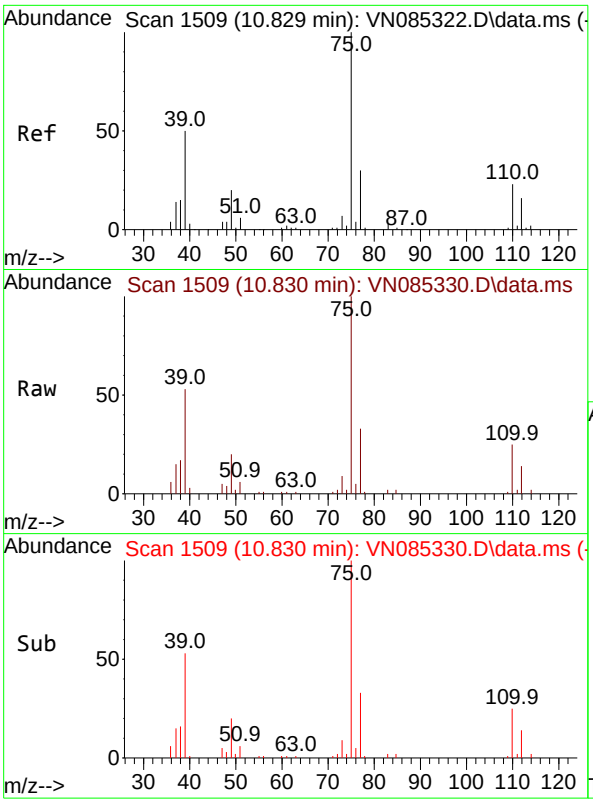


#52
Toluene
Concen: 17.996 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 92 Resp: 89808

Ion	Ratio	Lower	Upper
92	100		
91	174.5	140.2	210.4



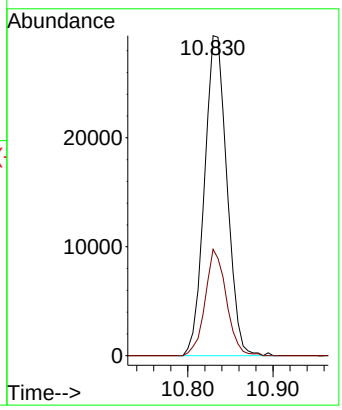


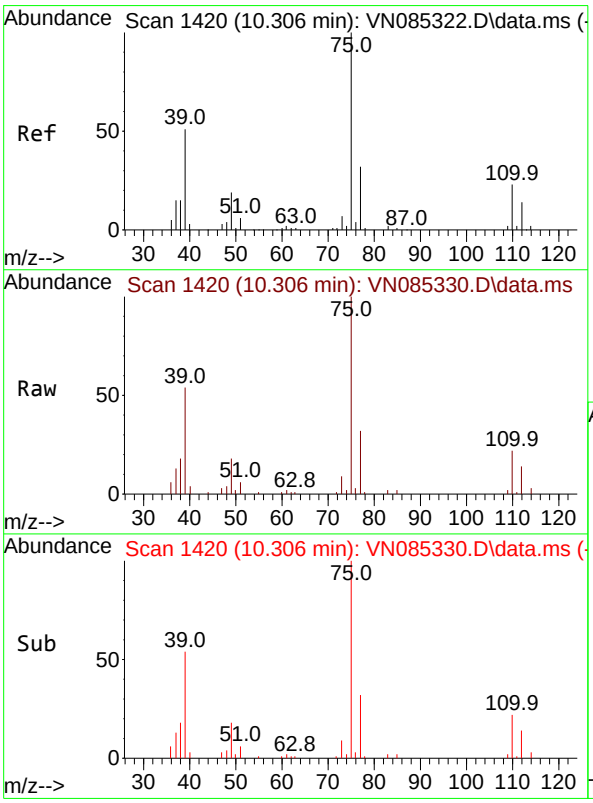
#53
t-1,3-Dichloropropene
Concen: 17.777 ug/l
RT: 10.830 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 75 Resp: 53764

Ion	Ratio	Lower	Upper
75	100		
77	33.2	23.8	35.6

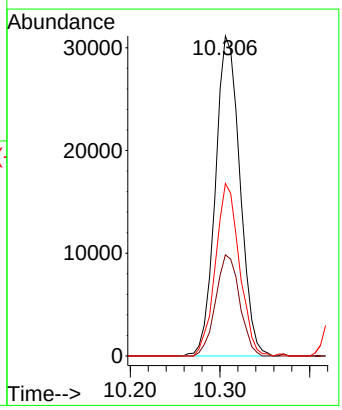


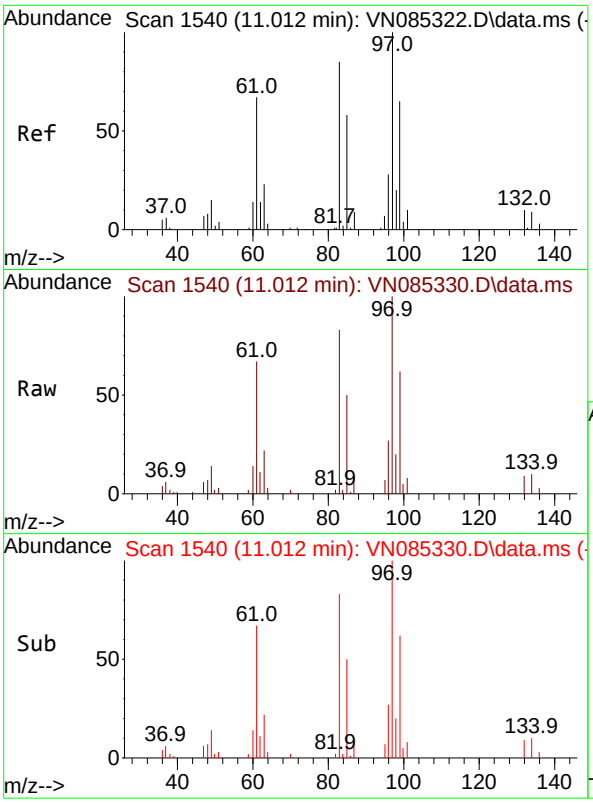


#54
cis-1,3-Dichloropropene
Concen: 18.049 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 59027

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	53.9	40.5	60.7



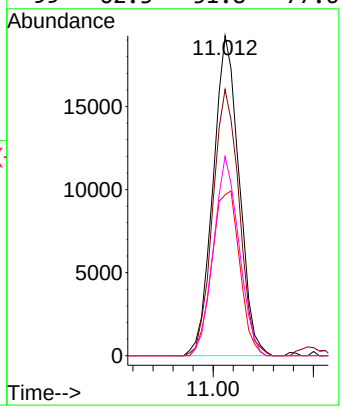


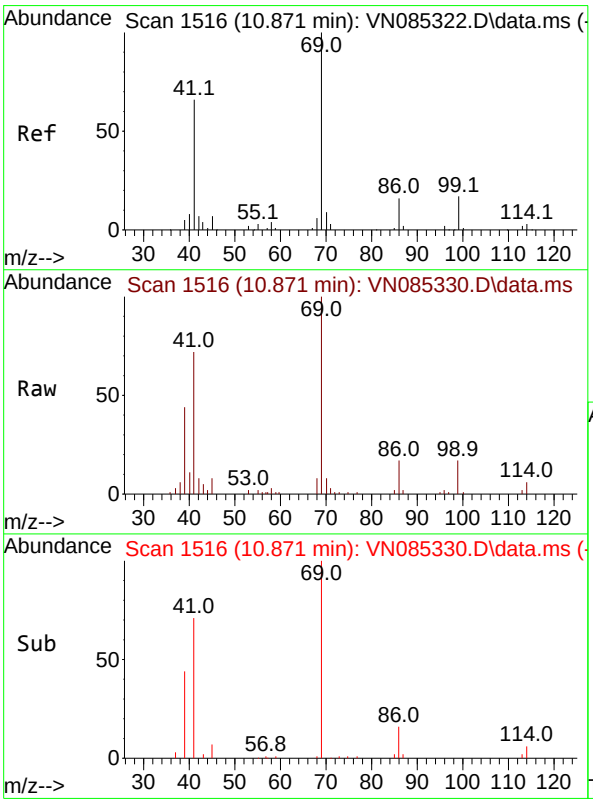
#55
1,1,2-Trichloroethane
Concen: 18.402 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 97 Resp: 34671

Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.7	101.5
85	50.3	46.2	69.4
99	62.3	51.8	77.6

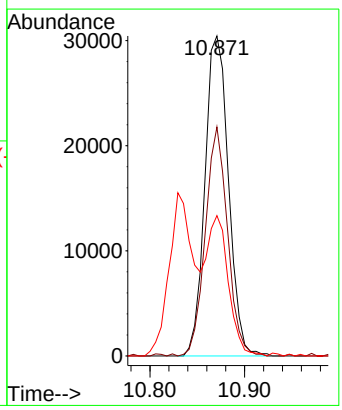


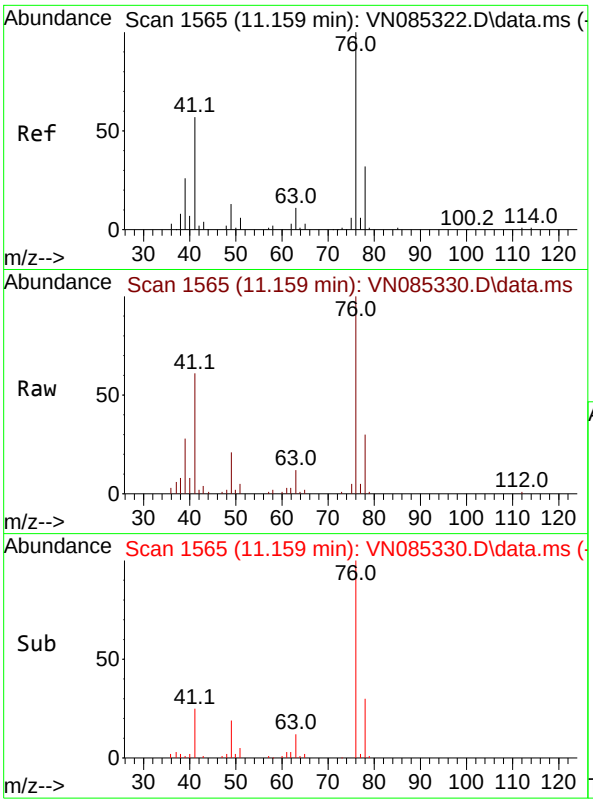


#56
Ethyl methacrylate
Concen: 19.165 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 69 Resp: 52590

Ion	Ratio	Lower	Upper
69	100		
41	67.8	54.3	81.5
39	40.7	32.0	48.0



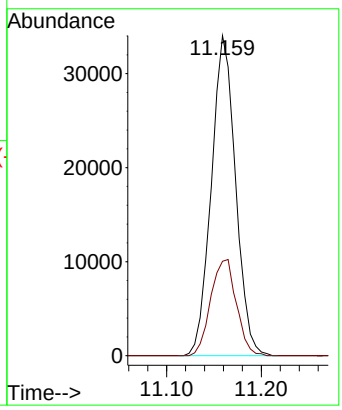


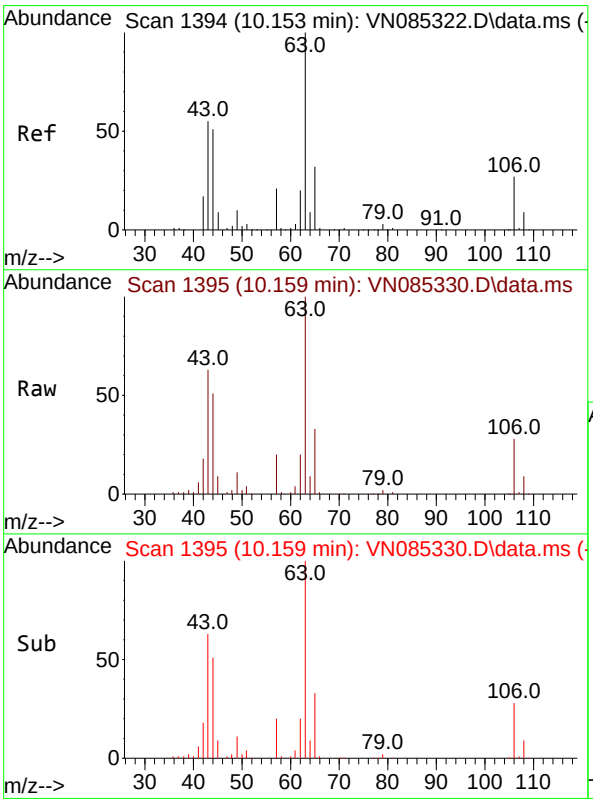
#57
1,3-Dichloropropane
Concen: 18.308 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 76 Resp: 60541

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

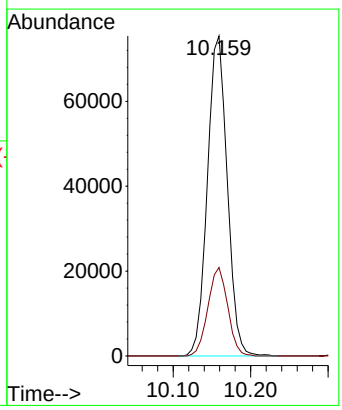


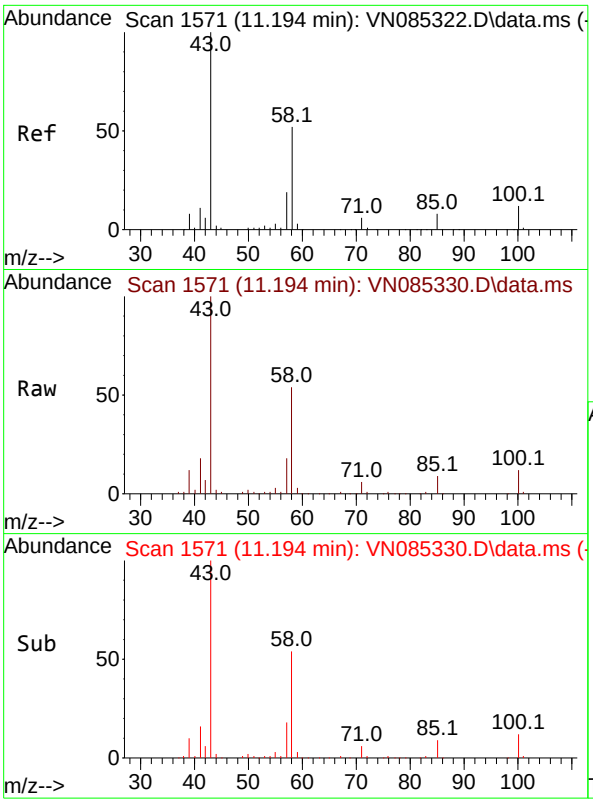


#58
2-Chloroethyl Vinyl ether
Concen: 101.065 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 63 Resp: 134176

Ion	Ratio	Lower	Upper
63	100		
106	27.6	22.1	33.1



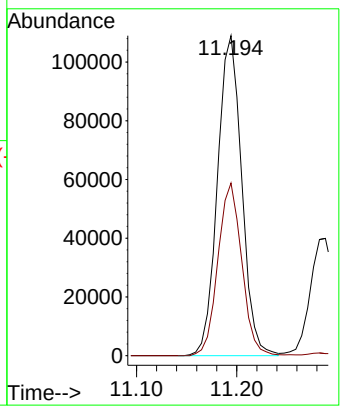


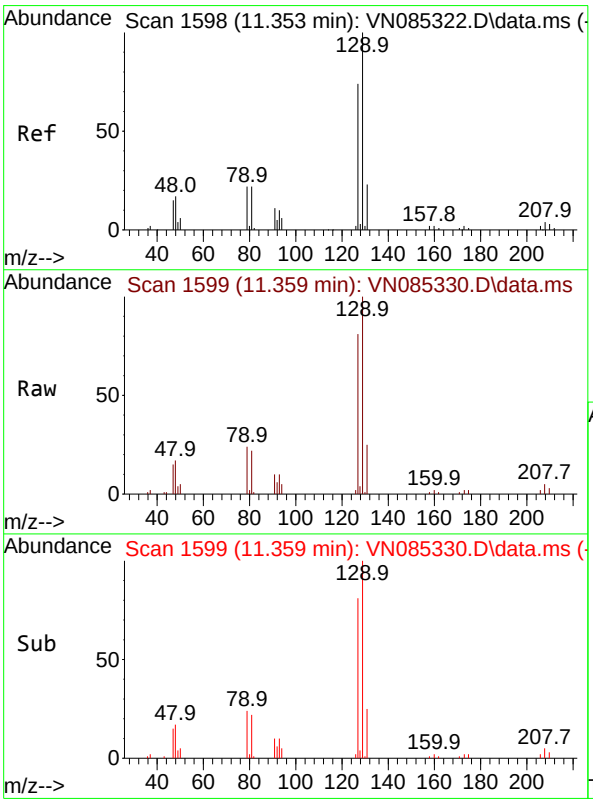
#59
2-Hexanone
Concen: 103.517 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 43 Resp: 183110

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

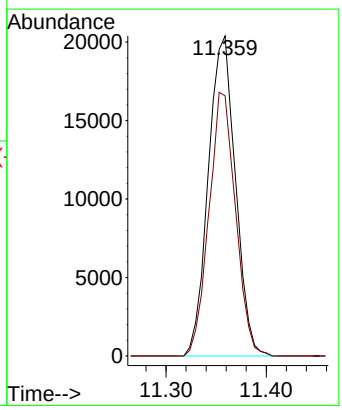


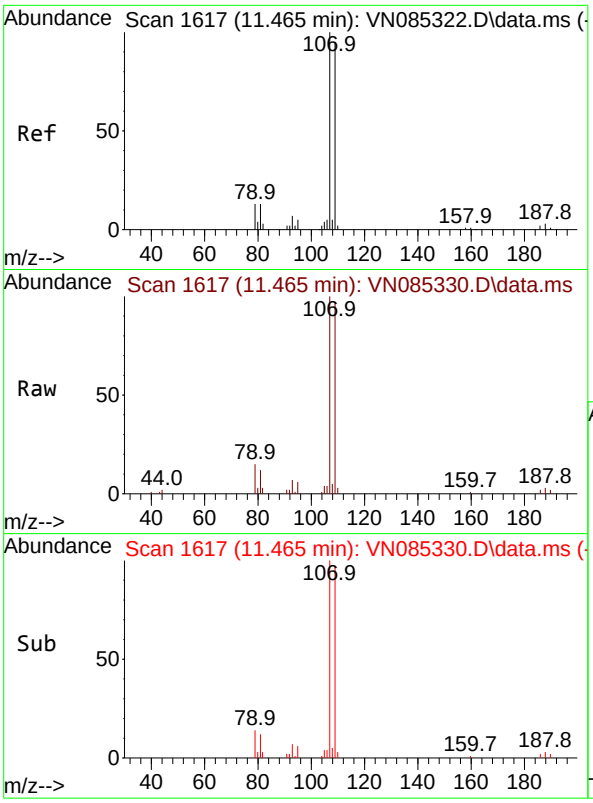


#60
Dibromochloromethane
Concen: 18.067 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:129 Resp: 38342

Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.3	114.9



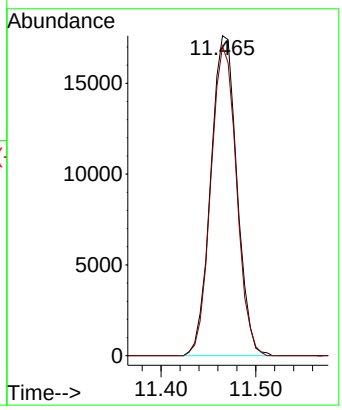


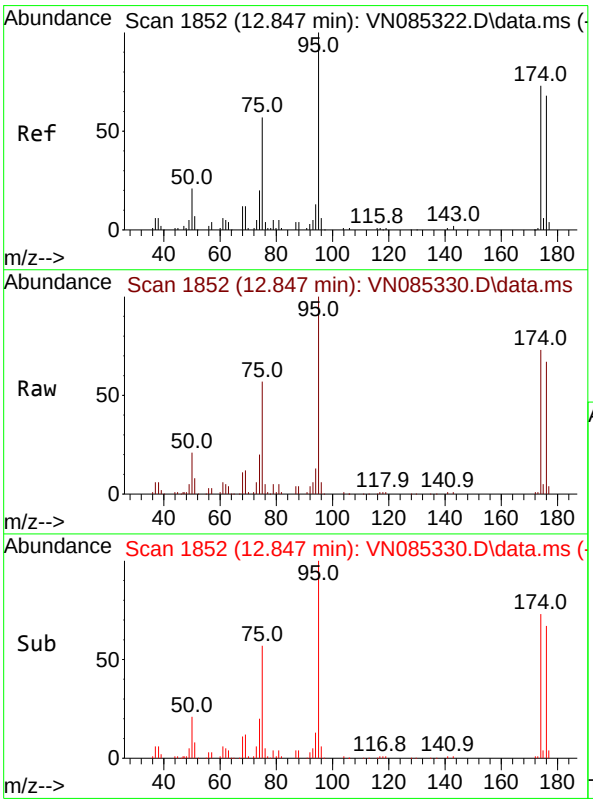
#61
1,2-Dibromoethane
Concen: 18.152 ug/l
RT: 11.465 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:107 Resp: 33837

Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.9	112.3

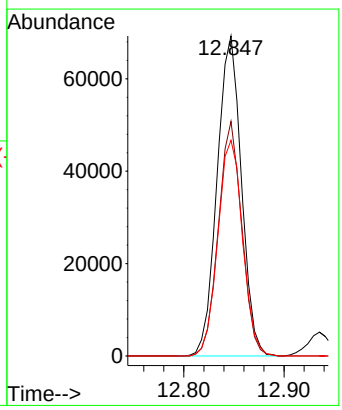


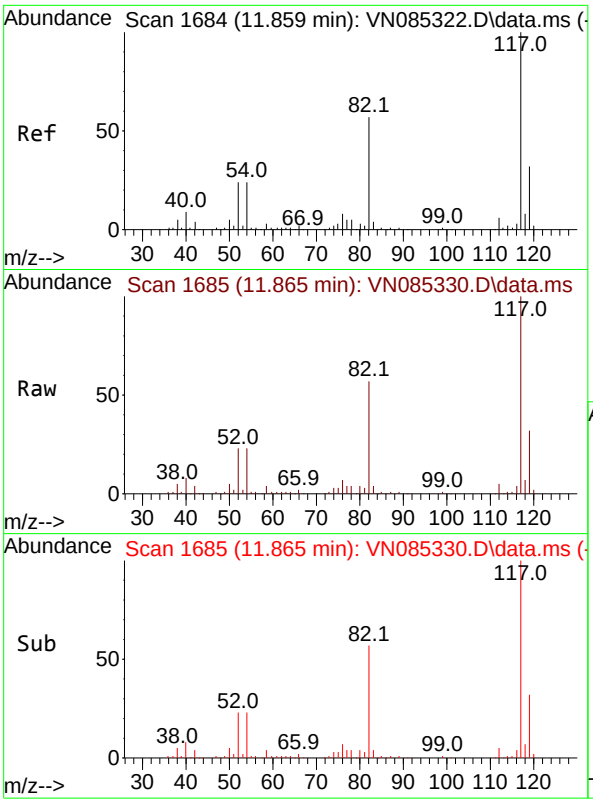


#62
4-Bromofluorobenzene
Concen: 50.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 95 Resp: 116494

Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	143.2
176	68.6	0.0	135.8



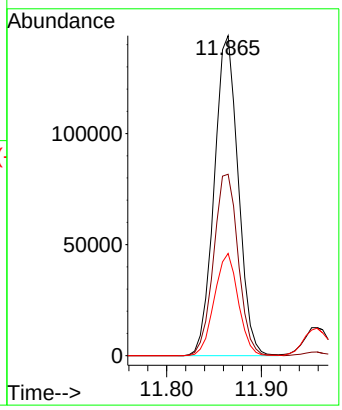


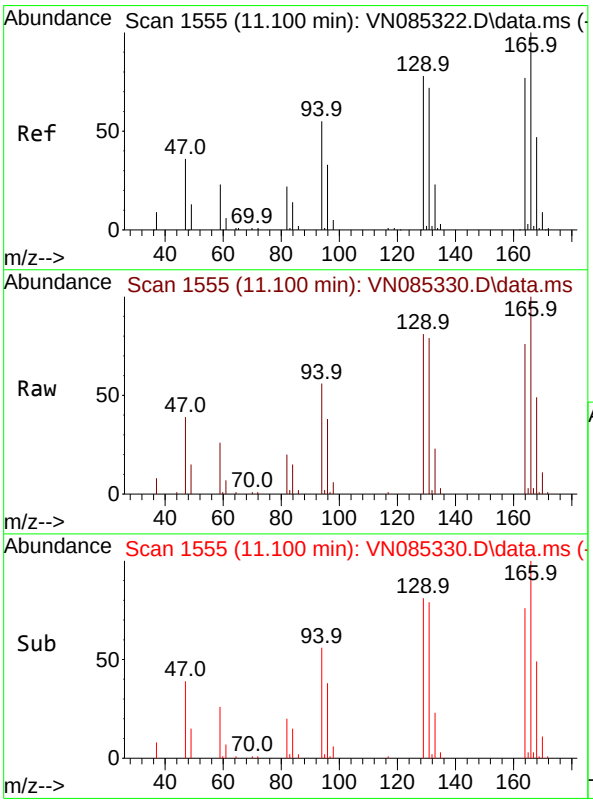
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:117 Resp: 253770

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.7	68.5
119	32.0	25.8	38.8

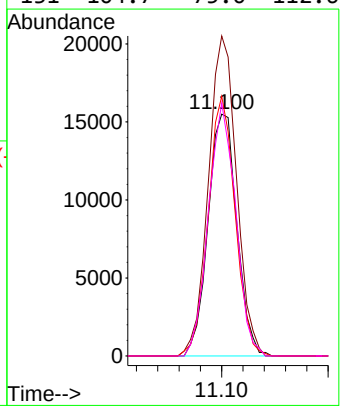


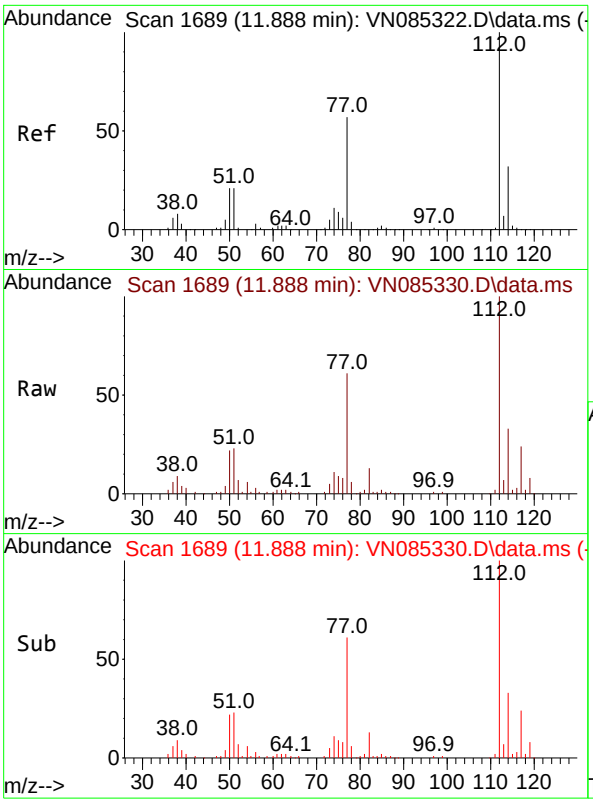


#64
Tetrachloroethene
Concen: 18.045 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:164 Resp: 29016

Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.0	156.0
129	107.5	81.3	121.9
131	104.7	75.0	112.6



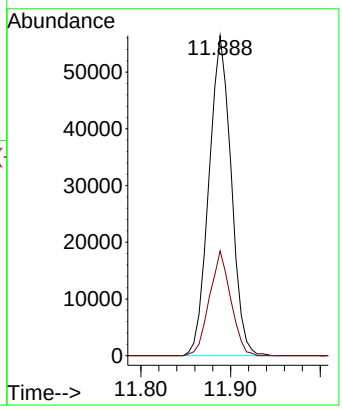


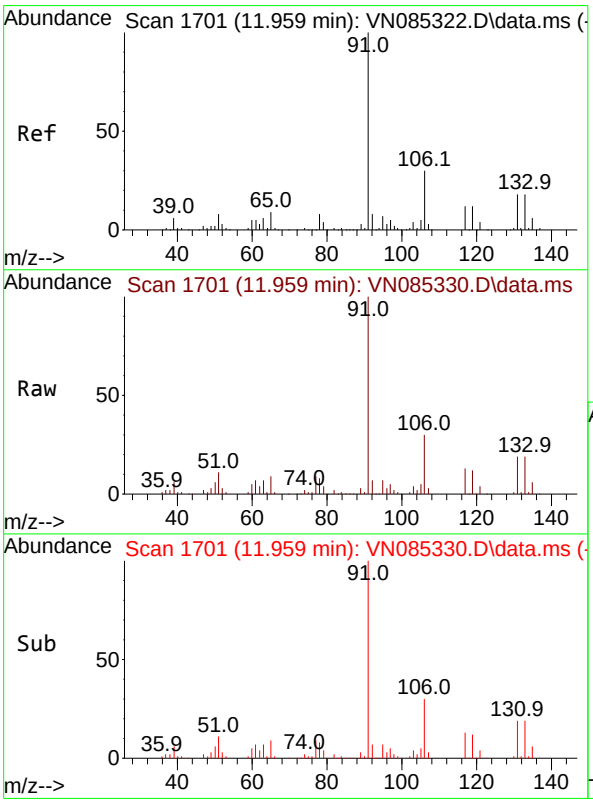
#65
Chlorobenzene
Concen: 17.719 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:112 Resp: 97170

Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.2	37.8

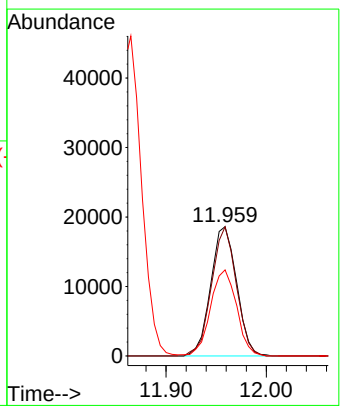


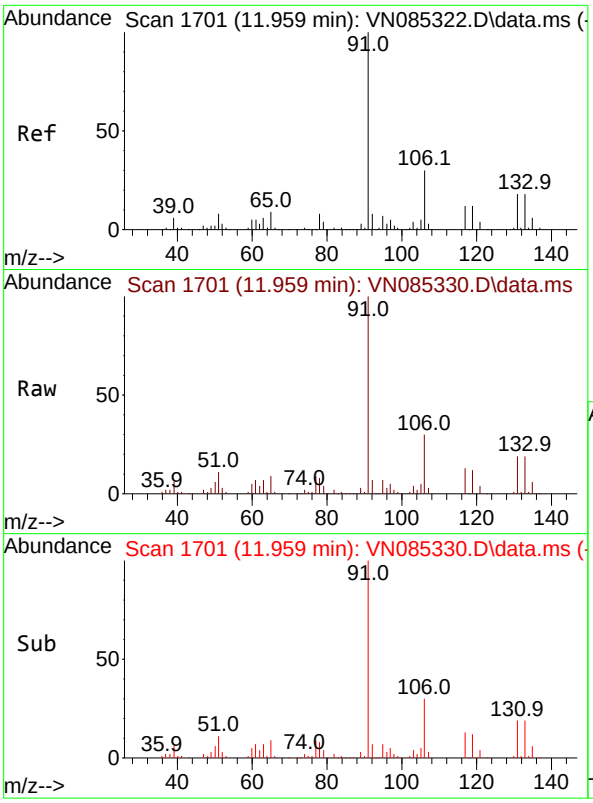


#66
1,1,1,2-Tetrachloroethane
Concen: 18.146 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:131 Resp: 33399

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.3	144.9
119	67.1	33.4	100.1



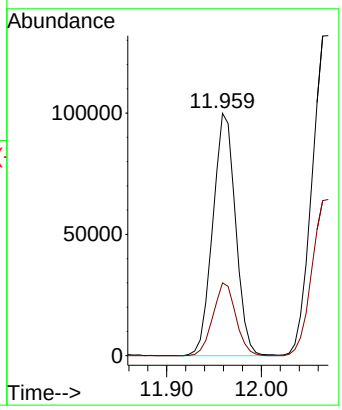


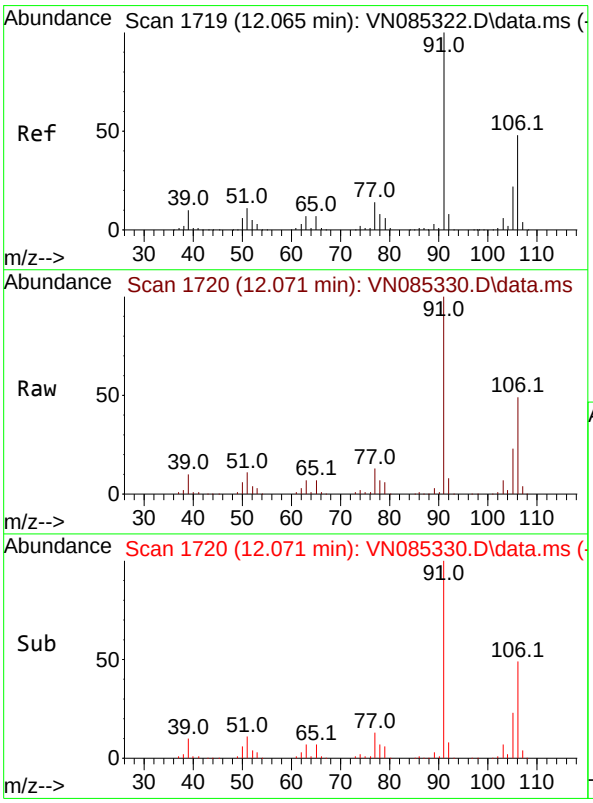
#67
Ethyl Benzene
Concen: 18.324 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 91 Resp: 167113

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0

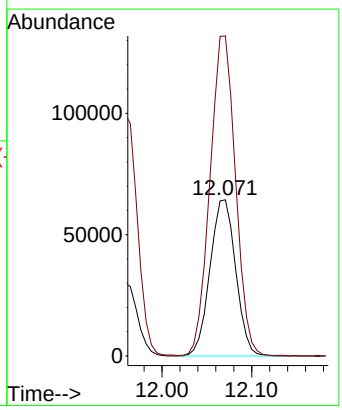


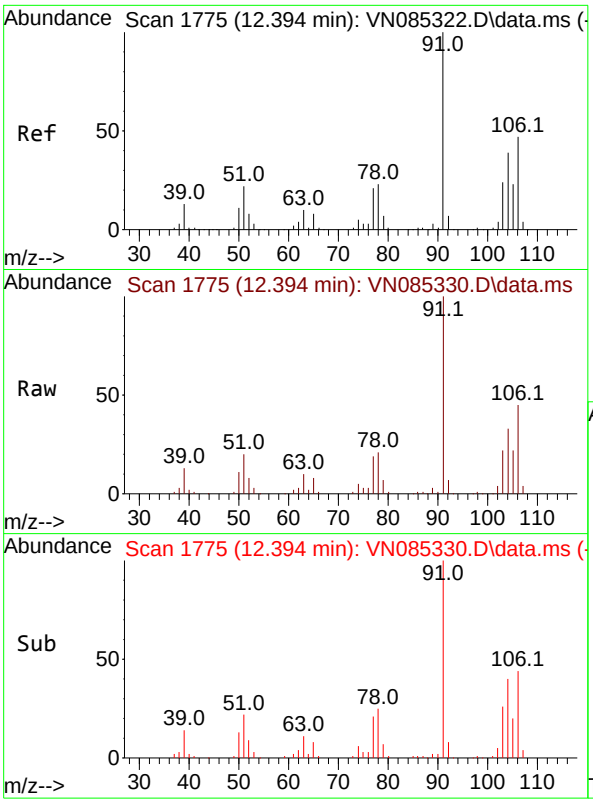


#68
m/p-Xylenes
Concen: 38.314 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:106 Resp: 127874

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.2	247.8



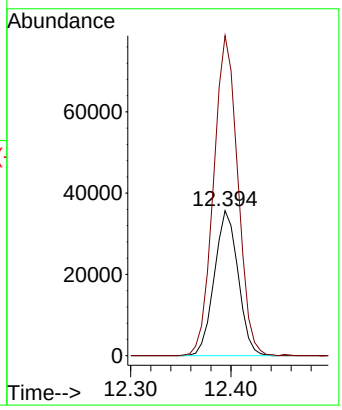


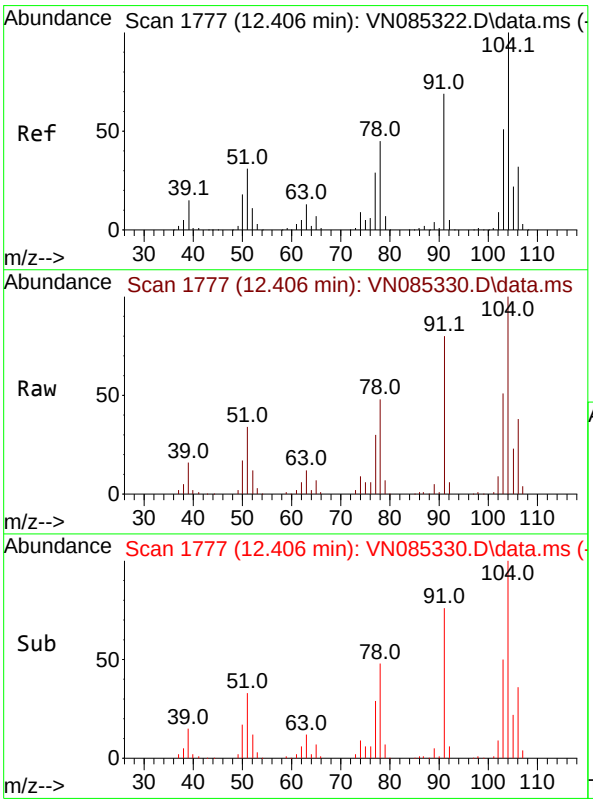
#69
o-Xylene
Concen: 18.187 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:106 Resp: 58720

Ion	Ratio	Lower	Upper
106	100		
91	225.3	107.3	321.8

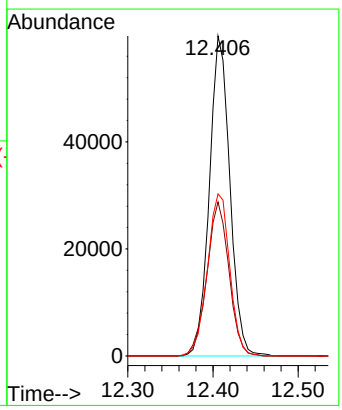


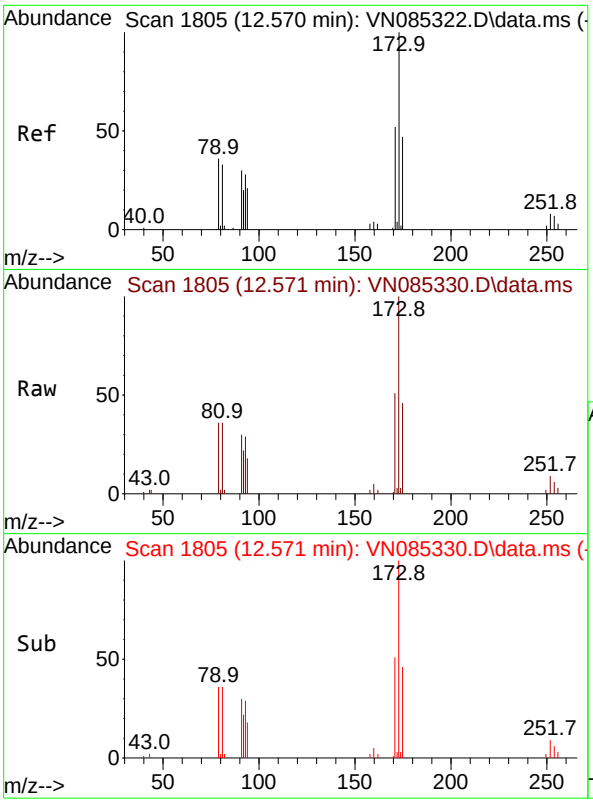


#70
Styrene
Concen: 19.120 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:104 Resp: 100048

Ion	Ratio	Lower	Upper
104	100		
78	51.7	40.7	61.1
103	55.3	44.1	66.1



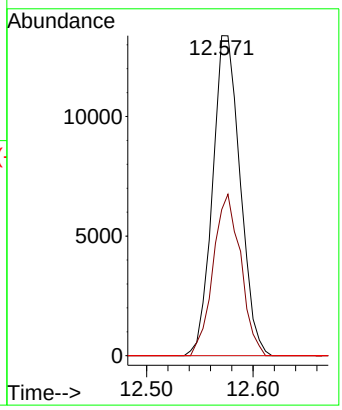


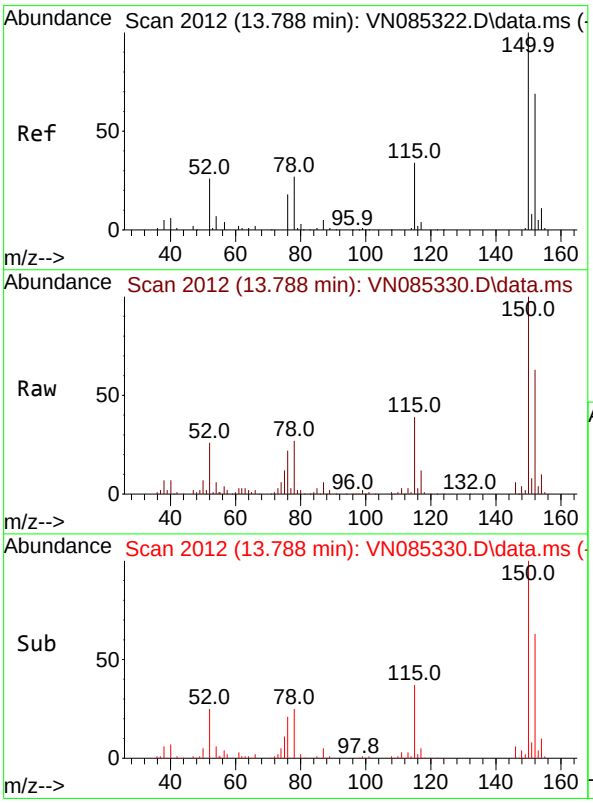
#71
Bromoform
Concen: 18.853 ug/l
RT: 12.571 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:173 Resp: 24033

Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.4	73.4
254	0.0	0.0	0.0

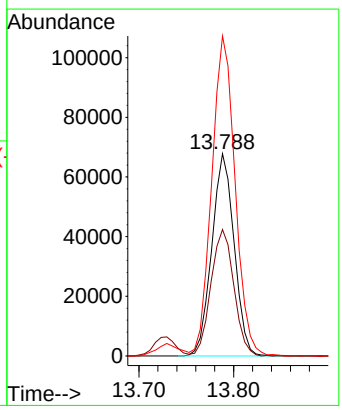


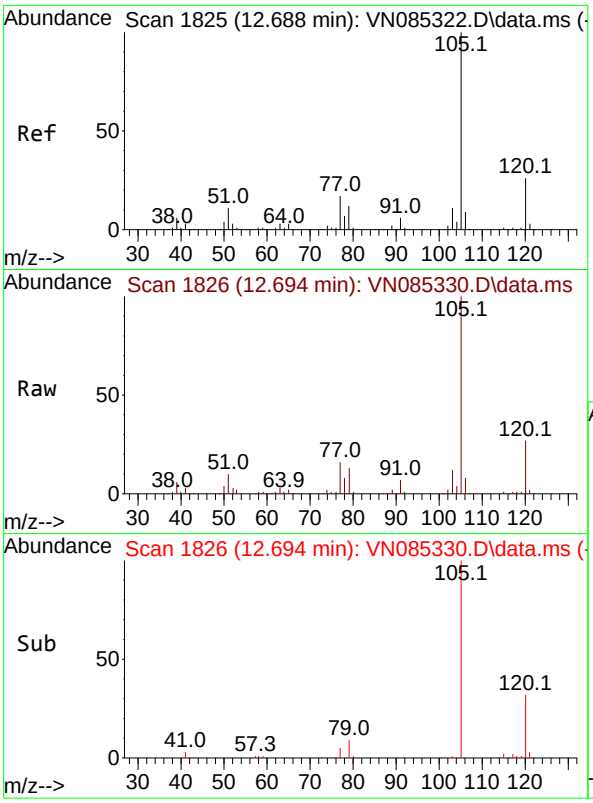


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:152 Resp: 111138

Ion	Ratio	Lower	Upper
152	100		
115	64.1	30.4	91.3
150	165.3	0.0	345.0



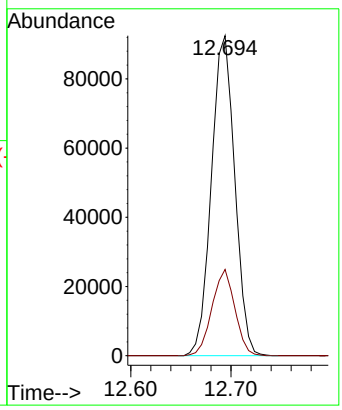


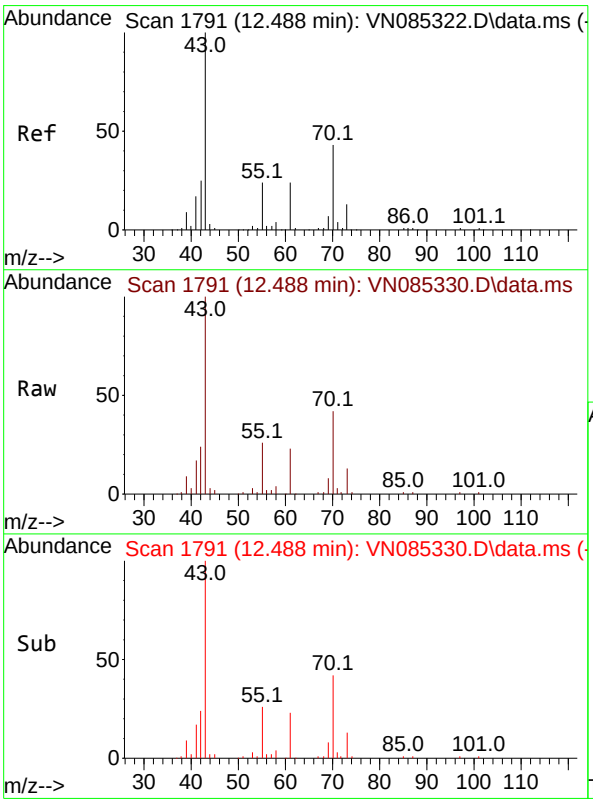
#73
Isopropylbenzene
Concen: 18.757 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:105 Resp: 149902

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.6

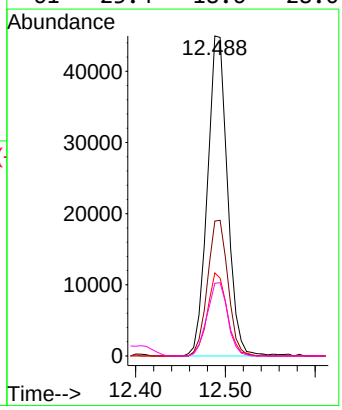


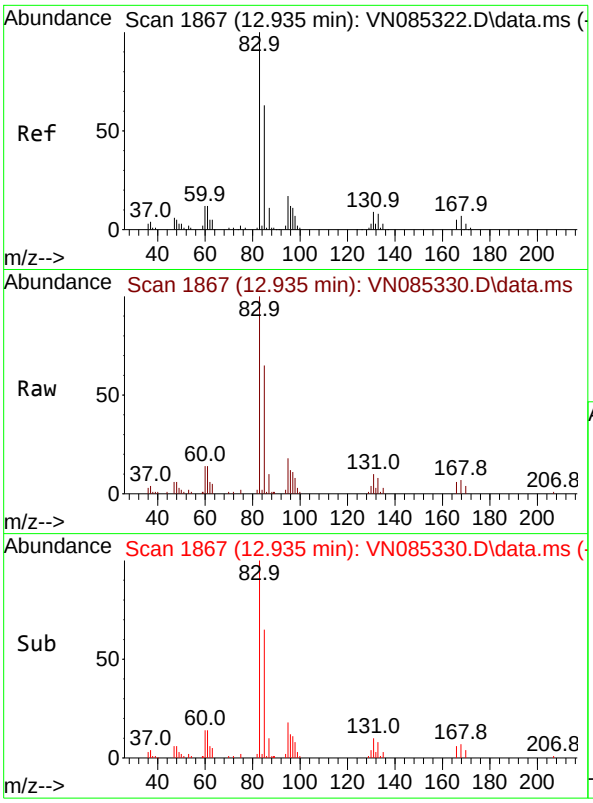


#74
N-amyl acetate
Concen: 20.419 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 43 Resp: 69851

Ion	Ratio	Lower	Upper
43	100		
70	43.2	33.4	50.0
55	25.4	19.2	28.8
61	23.4	18.6	28.0



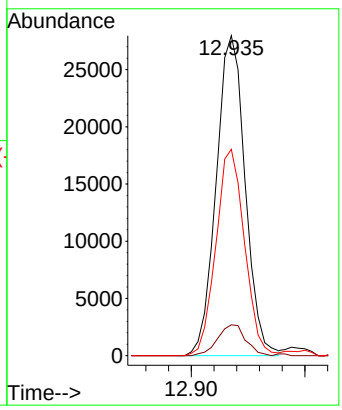


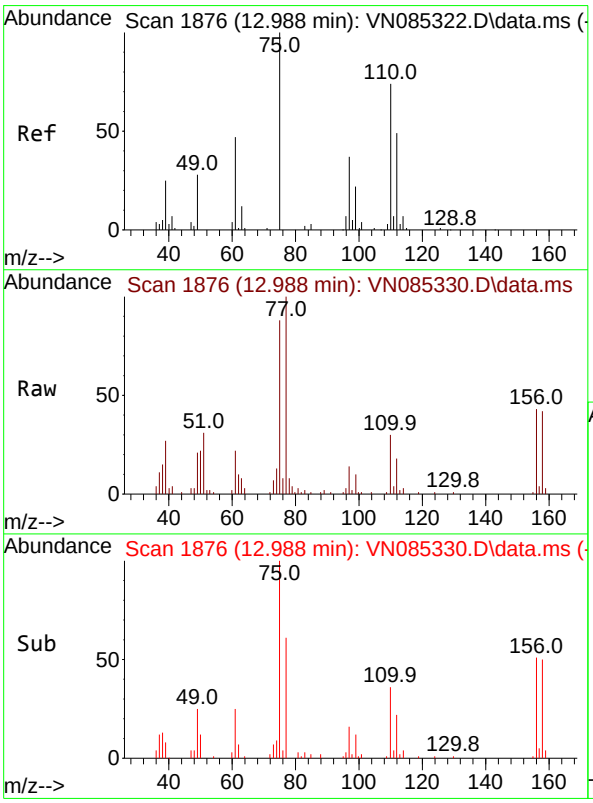
#75
1,1,2,2-Tetrachloroethane
Concen: 19.464 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 83 Resp: 49543

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	63.6	32.6	98.0

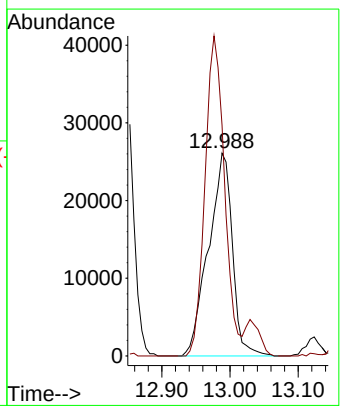


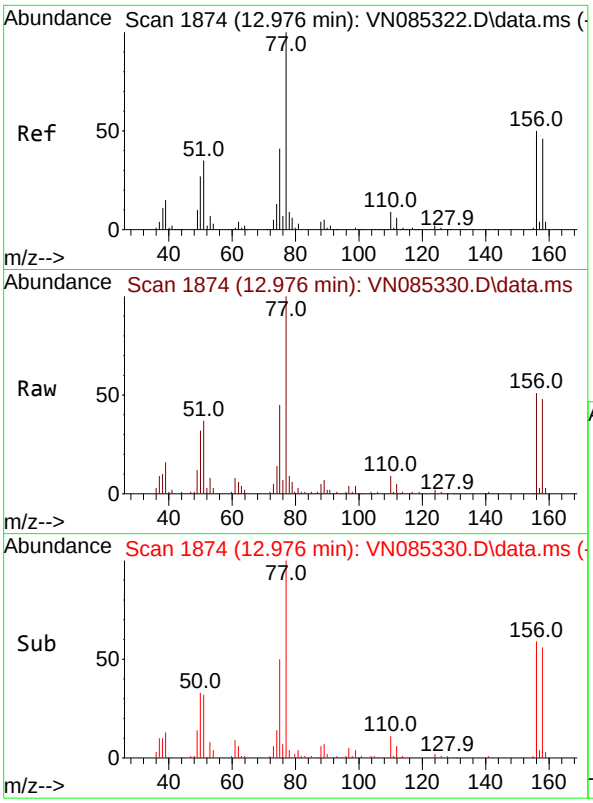


#76
1,2,3-Trichloropropane
Concen: 30.709 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 63732

Ion	Ratio	Lower	Upper
75	100		
77	129.2	98.1	294.3



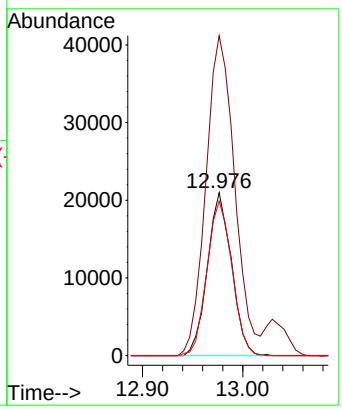


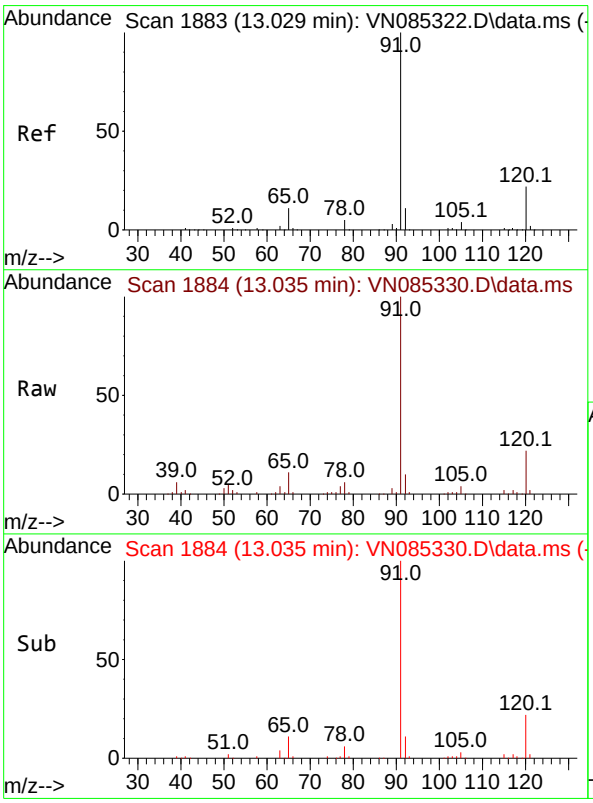
#77
Bromobenzene
Concen: 17.746 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:156 Resp: 35139

Ion	Ratio	Lower	Upper
156	100		
77	234.2	114.0	342.0
158	98.1	47.6	142.8

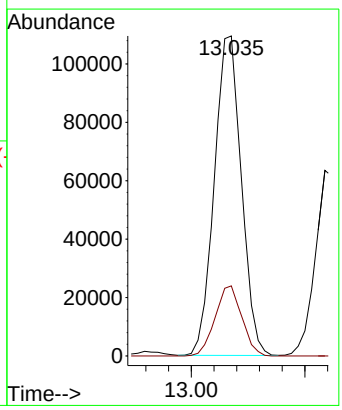


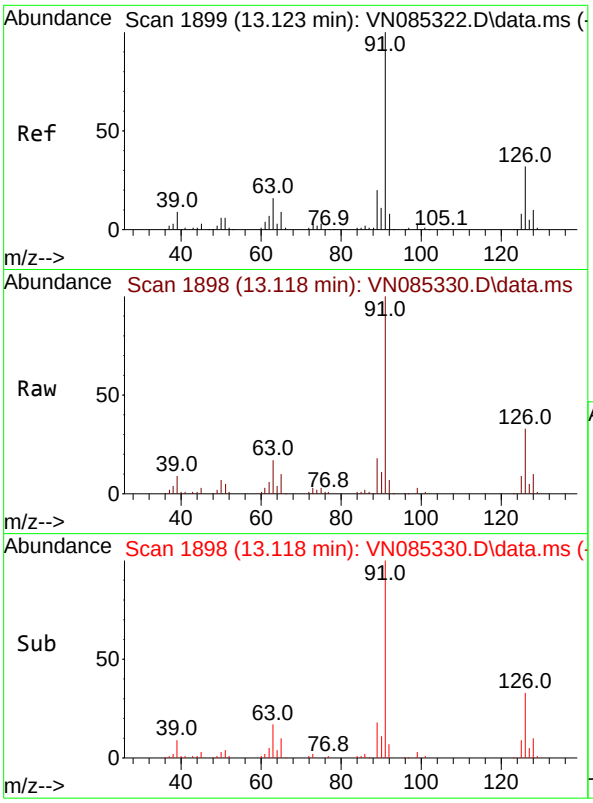


#78
n-propylbenzene
Concen: 19.398 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 180713

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.9



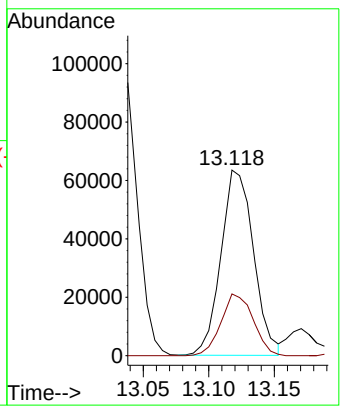


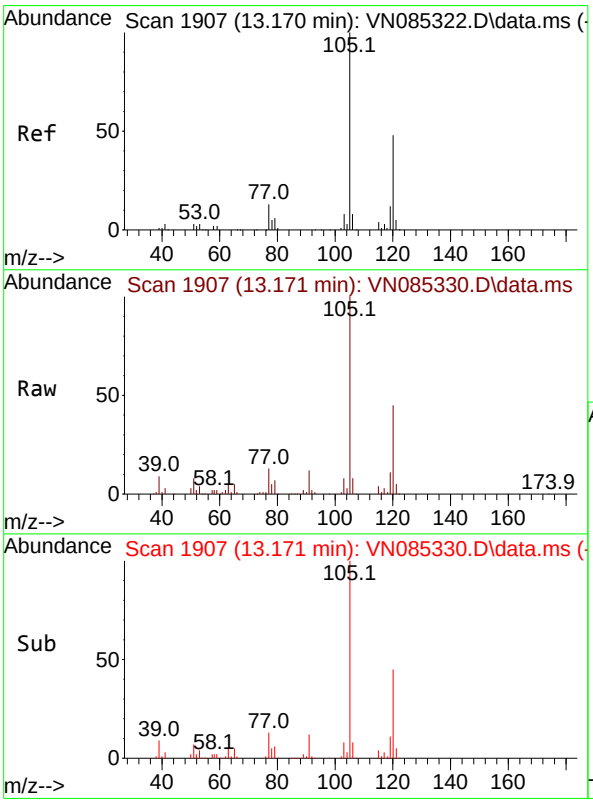
#79
2-Chlorotoluene
Concen: 18.744 ug/l
RT: 13.118 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 91 Resp: 109897

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0

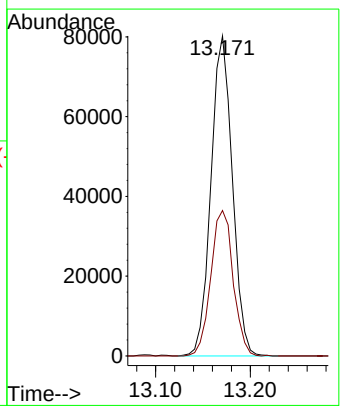


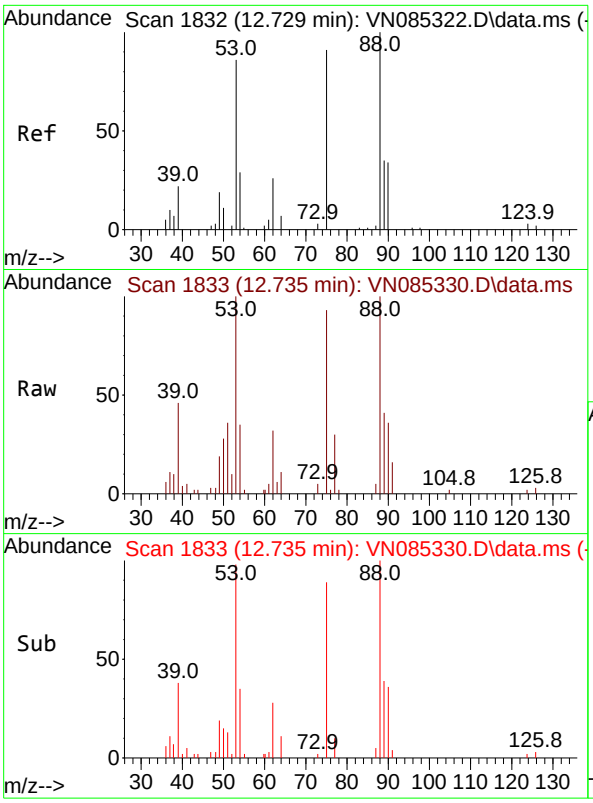


#80
1,3,5-Trimethylbenzene
Concen: 19.444 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 125698

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.0	72.0



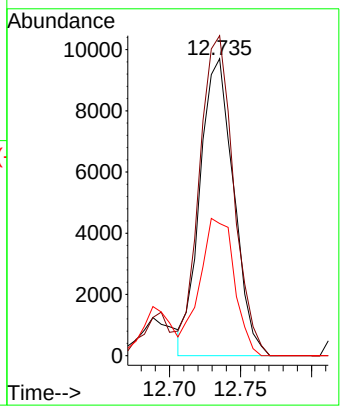


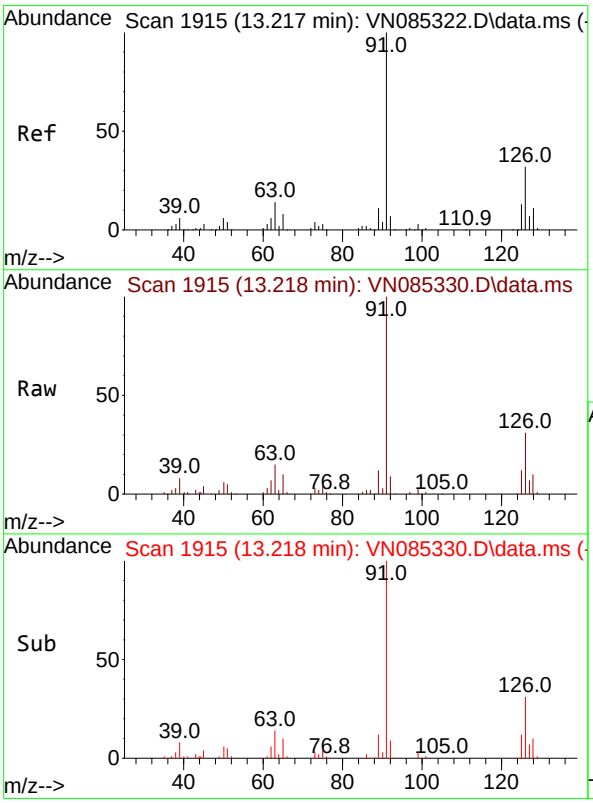
#81
trans-1,4-Dichloro-2-butene
Concen: 18.488 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 75 Resp: 16022

Ion	Ratio	Lower	Upper
75	100		
53	110.4	80.0	120.0
89	47.8	35.8	53.8

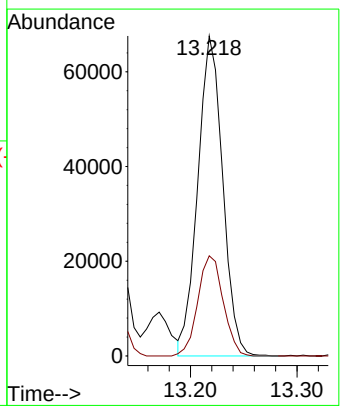


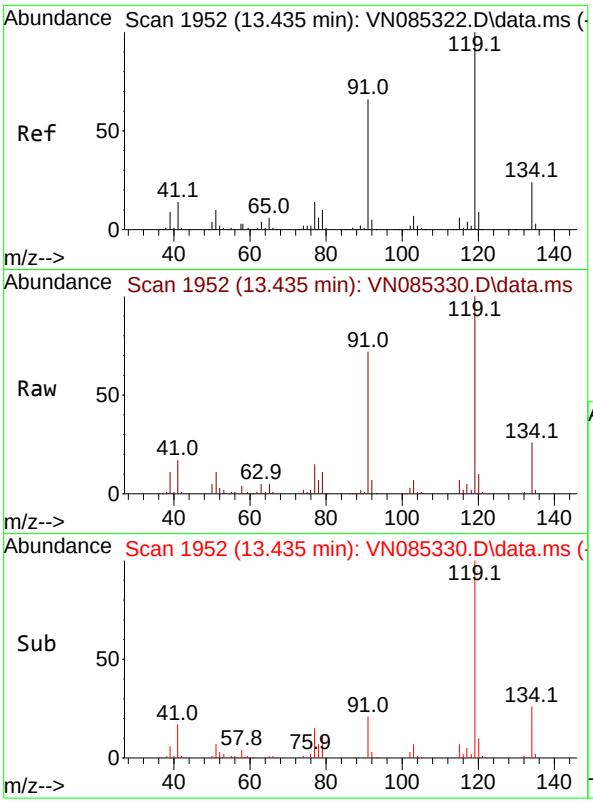


#82
4-Chlorotoluene
Concen: 18.587 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 91 Resp: 109755

Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.4	49.4



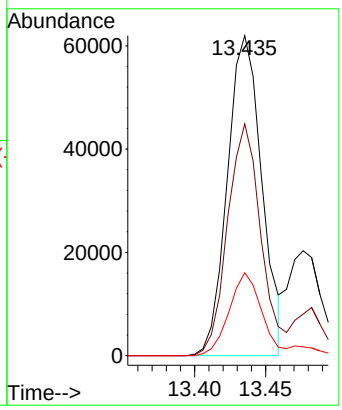


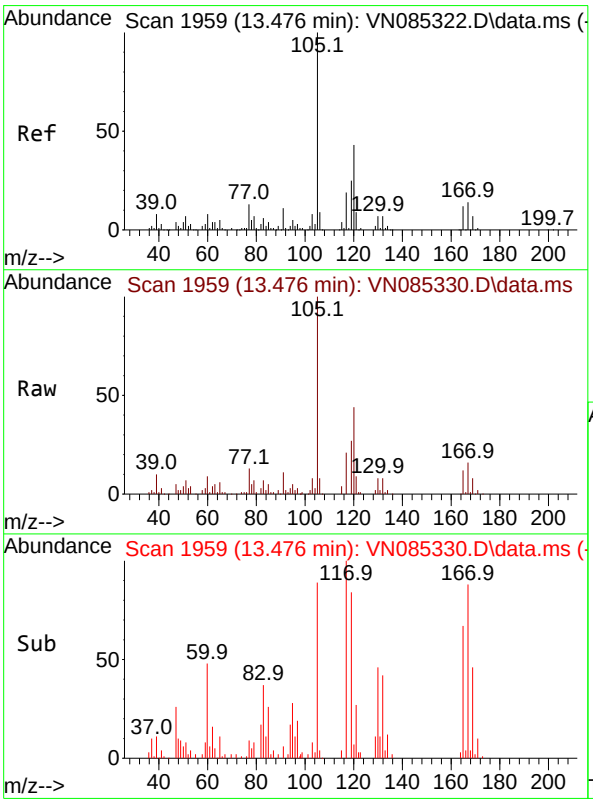
#83
tert-Butylbenzene
Concen: 18.682 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:119 Resp: 104613

Ion	Ratio	Lower	Upper
119	100		
91	70.4	33.6	100.8
134	24.4	13.3	39.8

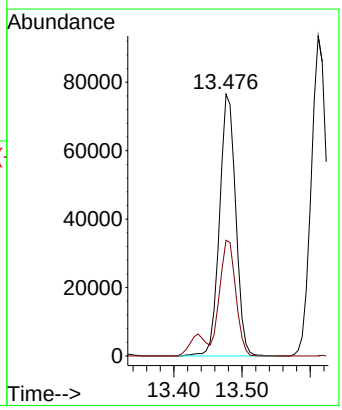


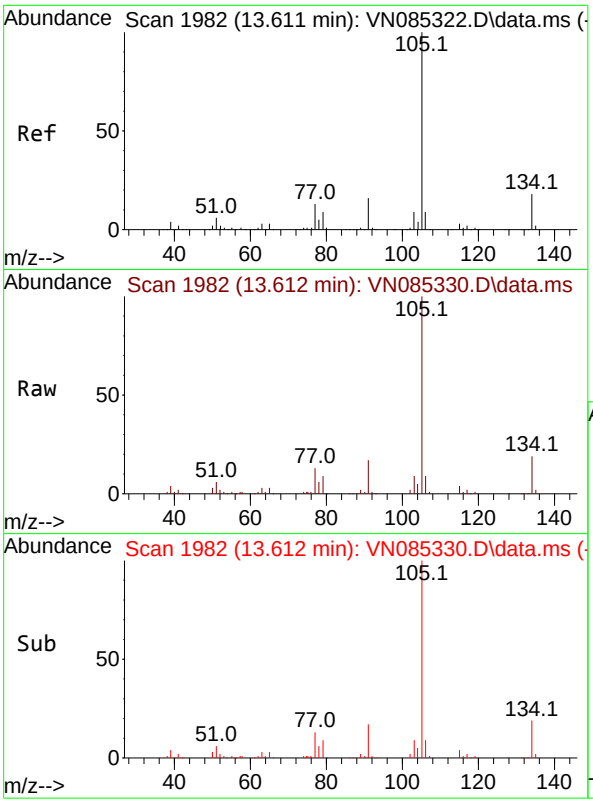


#84
1,2,4-Trimethylbenzene
Concen: 19.659 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:105 Resp: 126545

Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.7	65.1



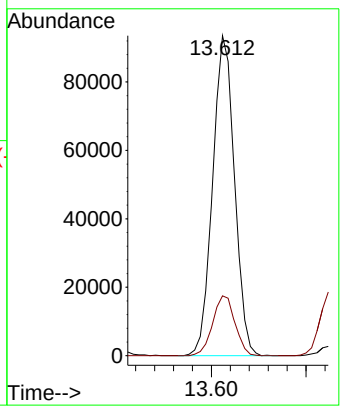


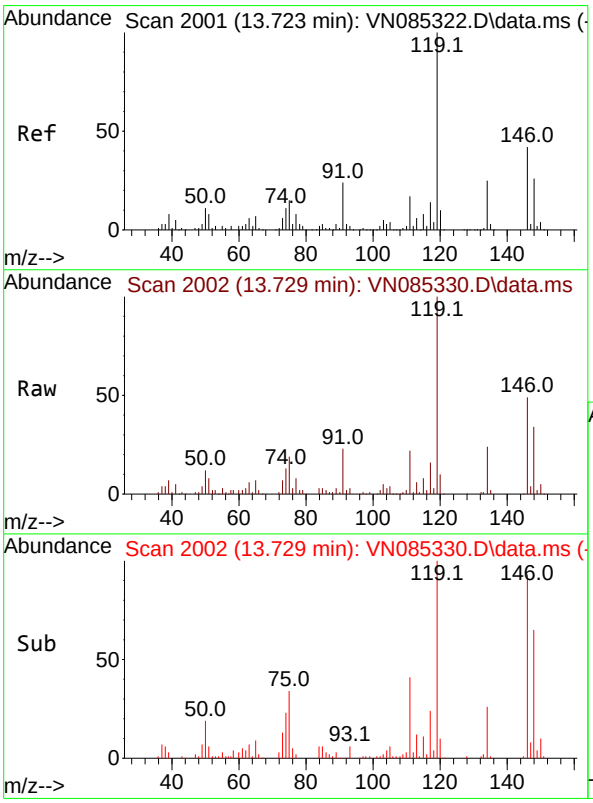
#85
sec-Butylbenzene
Concen: 19.266 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:105 Resp: 149749

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.4	28.3

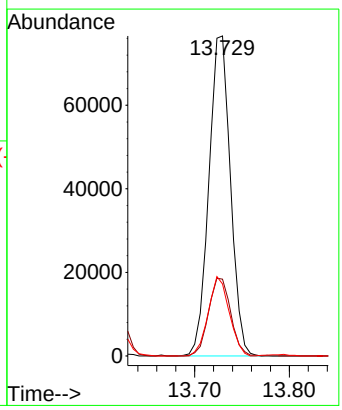


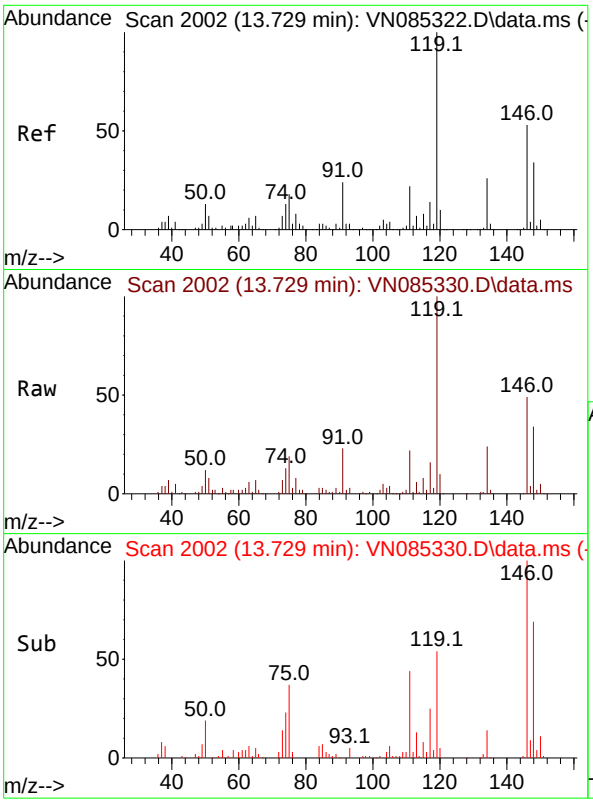


#86
p-Isopropyltoluene
Concen: 18.228 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:119 Resp: 121179

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	24.1	12.2	36.4



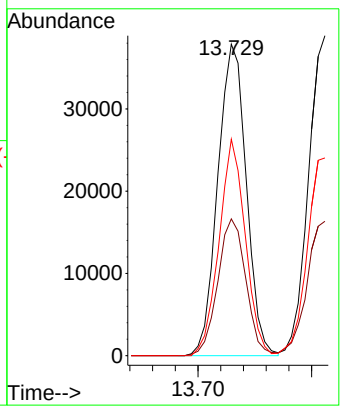


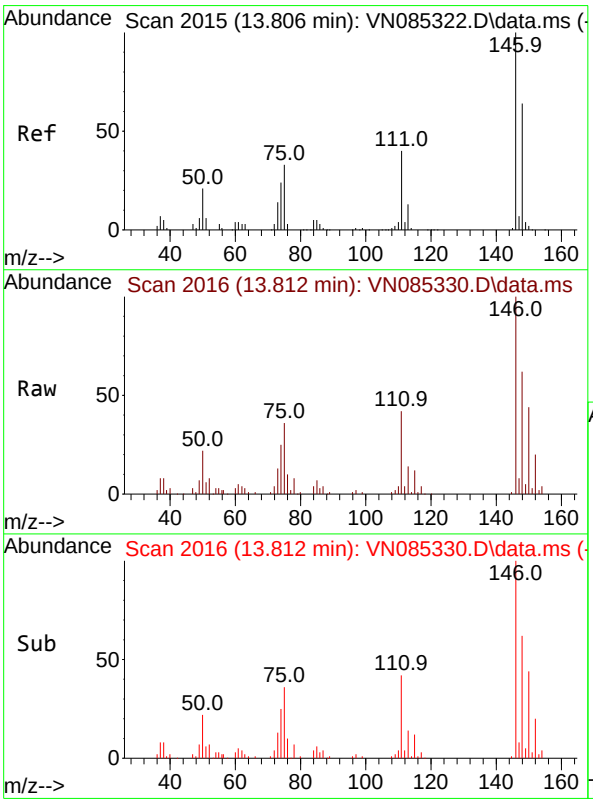
#87
1,3-Dichlorobenzene
Concen: 18.395 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:146 Resp: 66029

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.9	31.5	94.5

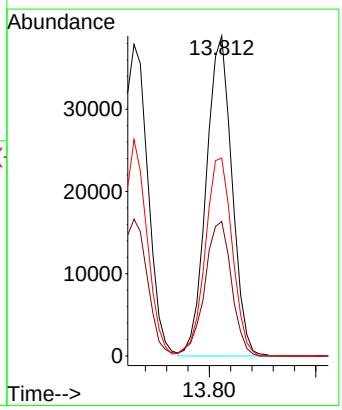


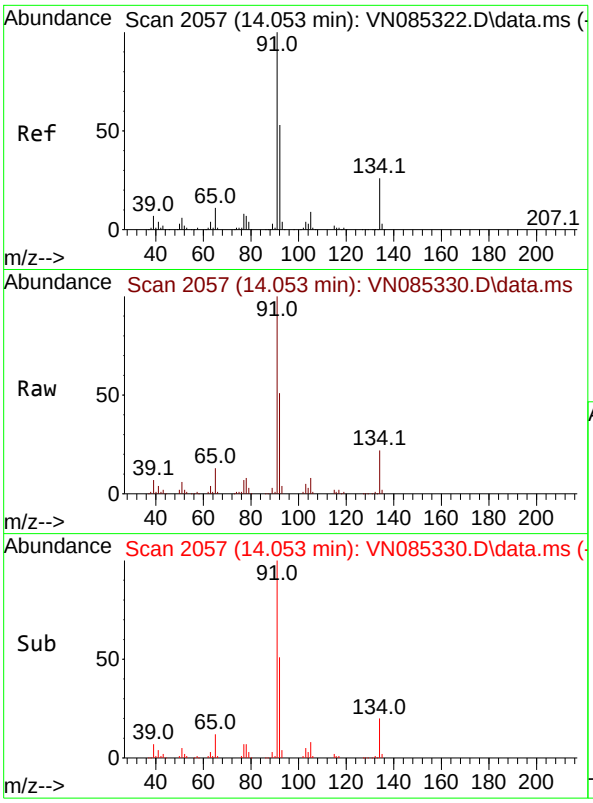


#88
1,4-Dichlorobenzene
Concen: 17.686 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:146 Resp: 65210

Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.8	62.5
148	65.0	31.7	95.1



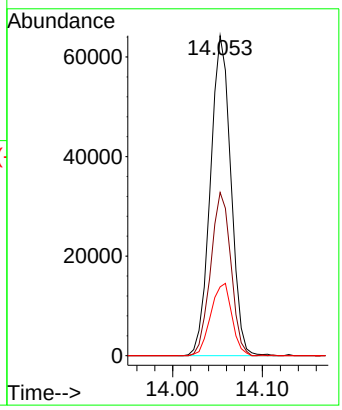


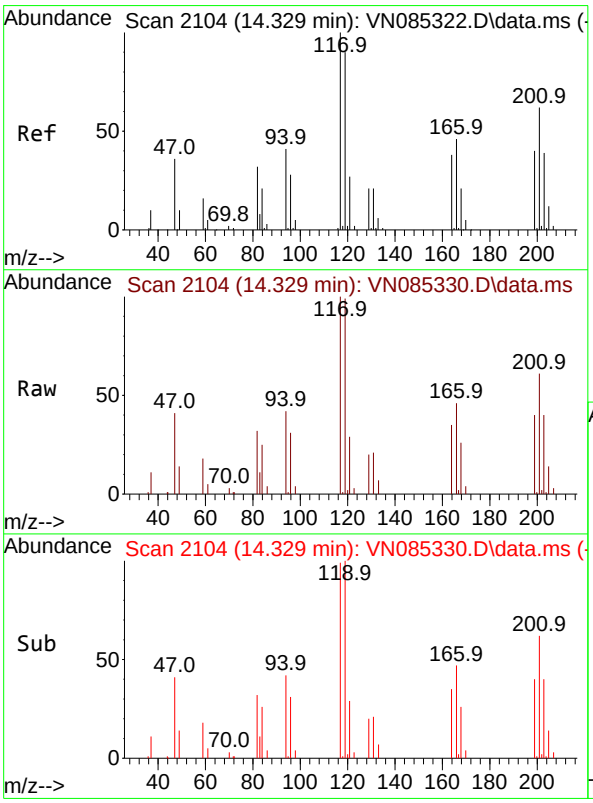
#89
n-Butylbenzene
Concen: 17.919 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion: 91 Resp: 101990

Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.0	78.0
134	23.3	12.1	36.3

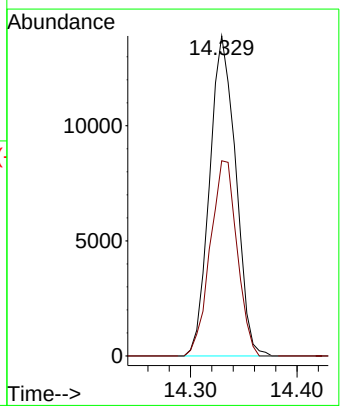


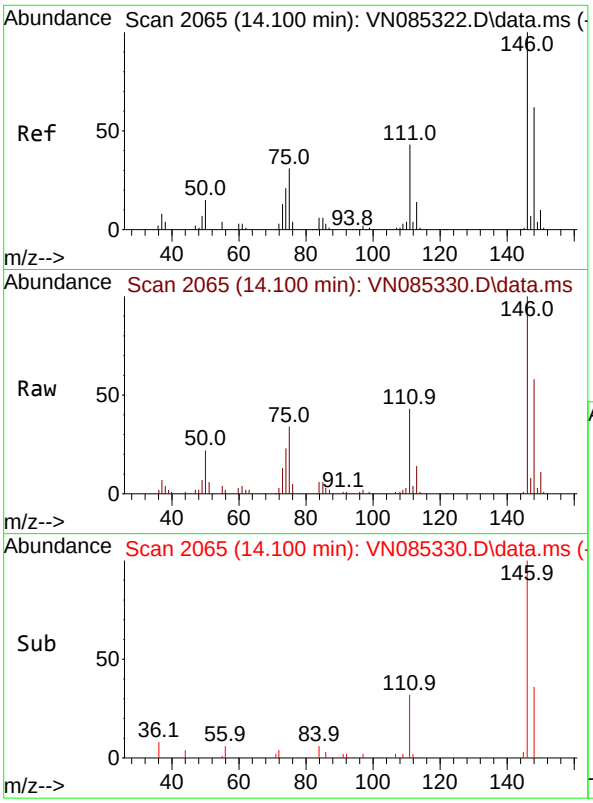


#90
Hexachloroethane
Concen: 18.594 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:117 Resp: 23690

Ion	Ratio	Lower	Upper
117	100		
201	62.6	30.7	92.1



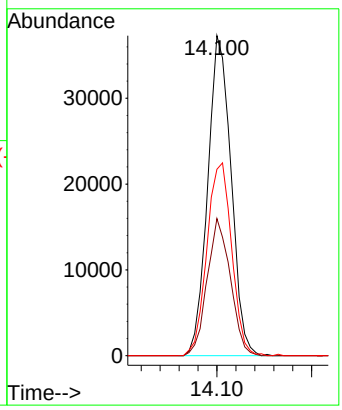


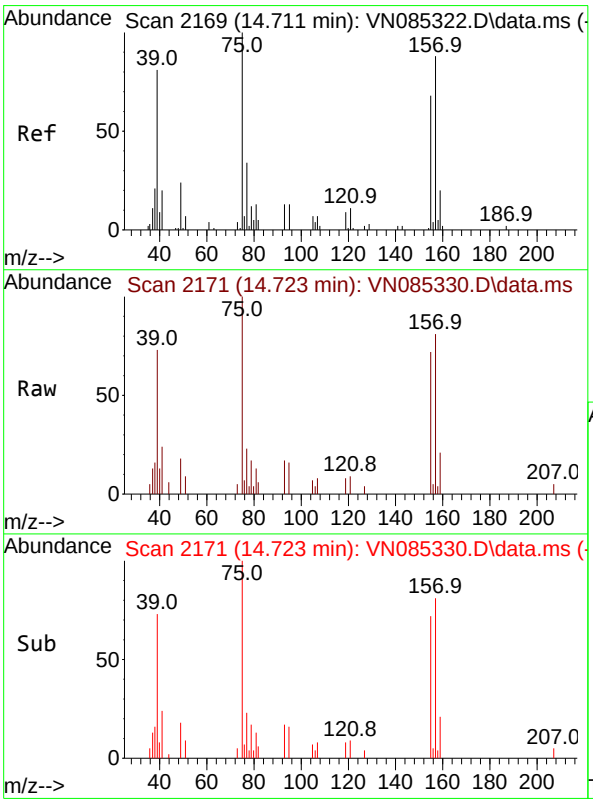
#91
1,2-Dichlorobenzene
Concen: 18.649 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:146 Resp: 63769

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.9	31.4	94.2

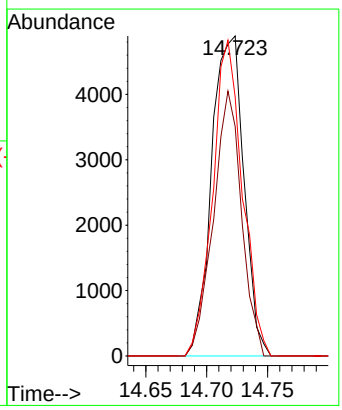


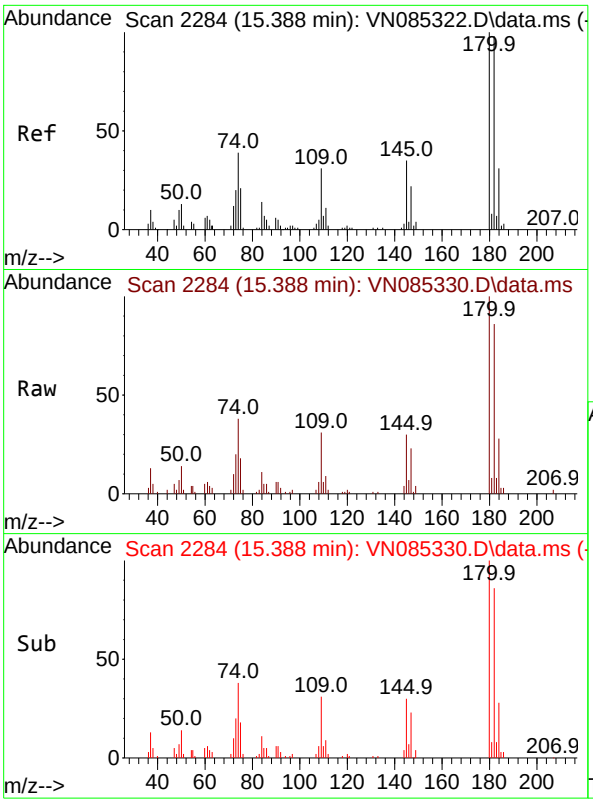


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.860 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.012 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion: 75 Resp: 8997

Ion	Ratio	Lower	Upper
75	100		
155	72.4	35.6	106.9
157	91.6	47.0	141.0



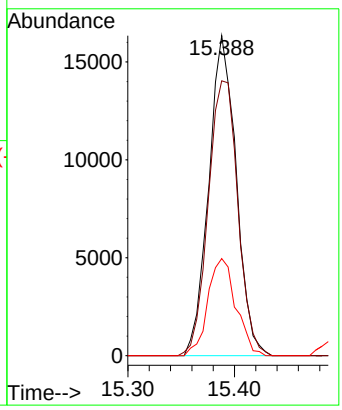


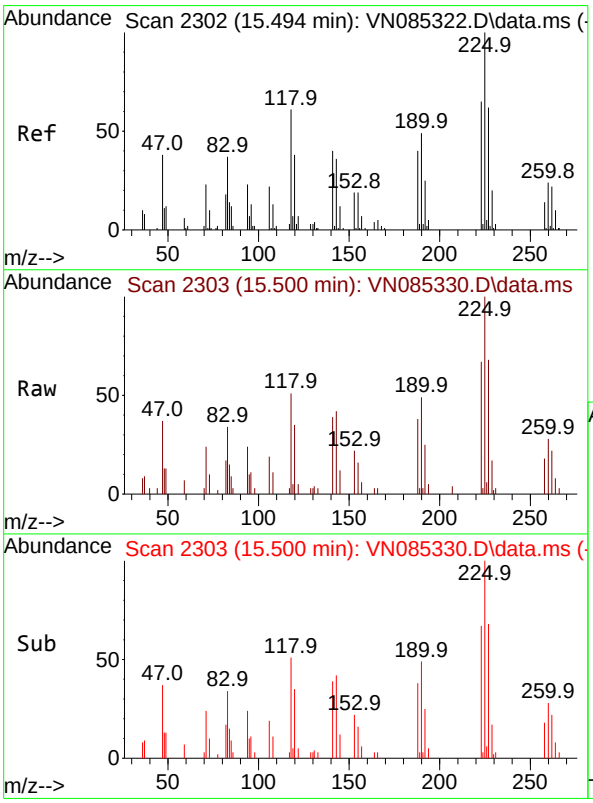
#93
1,2,4-Trichlorobenzene
Concen: 17.127 ug/l
RT: 15.388 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:180 Resp: 29229

Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.2	141.6
145	31.1	16.6	49.8

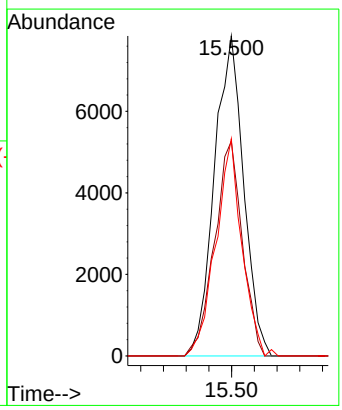


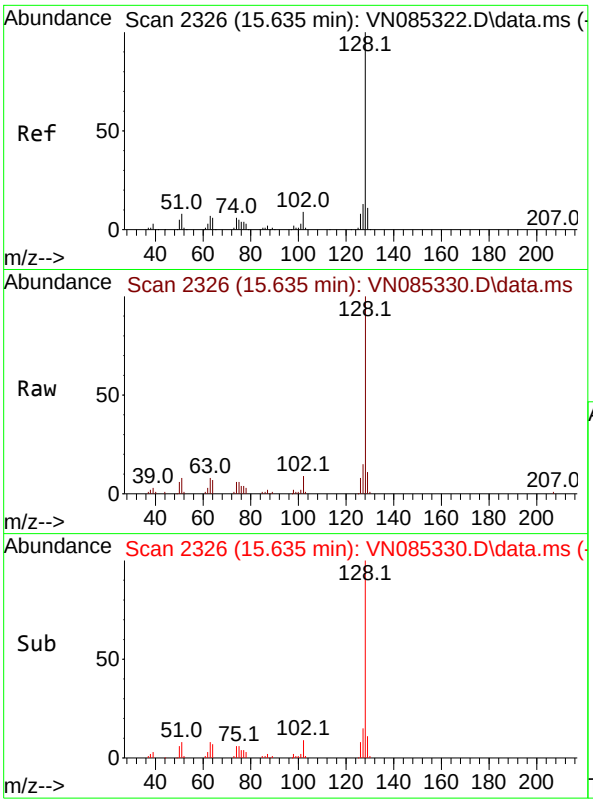


#94
Hexachlorobutadiene
Concen: 16.510 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:225 Resp: 13999

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.6	94.7
227	60.8	30.3	91.0



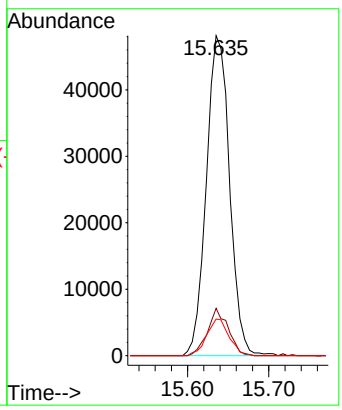


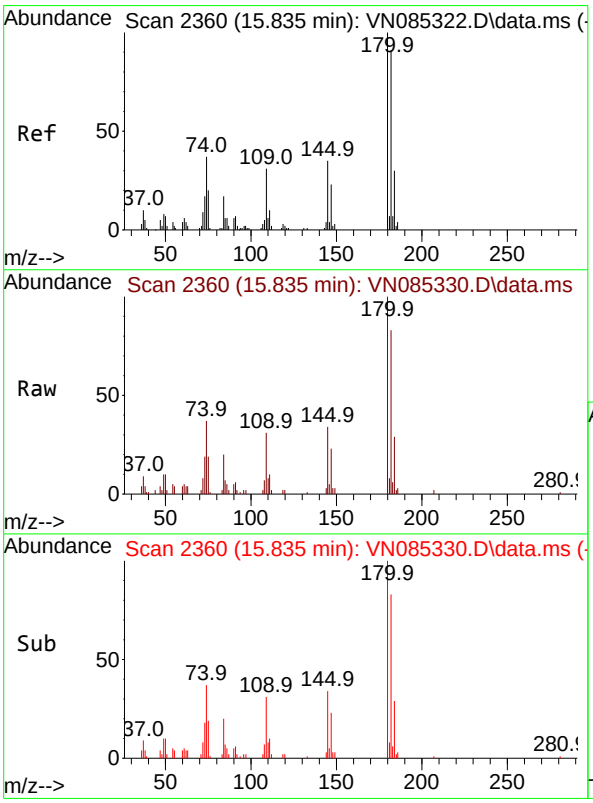
#95
Naphthalene
Concen: 16.560 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBS01

Tgt Ion:128 Resp: 95832

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.0	8.5	12.7

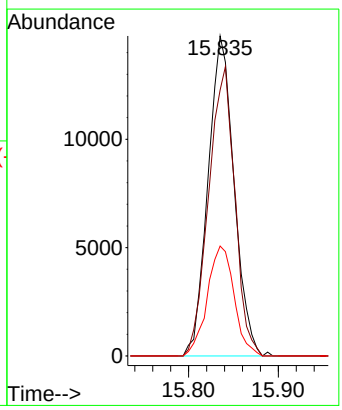




#96
1,2,3-Trichlorobenzene
Concen: 17.443 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085330.D
Acq: 27 Dec 2024 16:57

Tgt Ion:180 Resp: 29742

Ion	Ratio	Lower	Upper
180	100		
182	90.8	46.8	140.4
145	35.3	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	144320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111665	54.248	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.500%			
35) Dibromofluoromethane	8.165	113	81846	50.827	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.565	98	306433	51.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.847	95	102680	52.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	36940	18.926	ug/l	100
3) Chloromethane	2.359	50	40431	18.430	ug/l	96
4) Vinyl Chloride	2.512	62	43248	18.641	ug/l	97
5) Bromomethane	2.959	94	27990	18.447	ug/l	97
6) Chloroethane	3.124	64	28037	19.056	ug/l	90
7) Trichlorofluoromethane	3.501	101	56663	18.580	ug/l	95
8) Diethyl Ether	3.959	74	20596	20.396	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	31898	18.381	ug/l	98
10) Methyl Iodide	4.595	142	38836	19.339	ug/l	94
11) Tert butyl alcohol	5.518	59	31625	122.694	ug/l	100
12) 1,1-Dichloroethene	4.342	96	29765	18.559	ug/l	87
13) Acrolein	4.177	56	42286	105.226	ug/l	99
14) Allyl chloride	5.018	41	48941	19.067	ug/l	96
15) Acrylonitrile	5.712	53	86613	106.764	ug/l	99
16) Acetone	4.424	43	74365	109.867	ug/l	97
17) Carbon Disulfide	4.712	76	85742	17.574	ug/l	100
18) Methyl Acetate	5.024	43	45651	22.030	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	106310	20.394	ug/l	99
20) Methylene Chloride	5.271	84	34153	18.759	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	31142	18.589	ug/l	94
22) Diisopropyl ether	6.671	45	112873	20.407	ug/l	97
23) Vinyl Acetate	6.600	43	420622	105.120	ug/l	98
24) 1,1-Dichloroethane	6.565	63	63046	18.922	ug/l	99
25) 2-Butanone	7.483	43	120630	114.877	ug/l	100
26) 2,2-Dichloropropane	7.489	77	55298	18.943	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	38491	19.575	ug/l	97
28) Bromochloromethane	7.812	49	31497	20.342	ug/l #	99
29) Tetrahydrofuran	7.836	42	77549	114.648	ug/l	98
30) Chloroform	7.965	83	65160	19.116	ug/l	97
31) Cyclohexane	8.253	56	53985	17.744	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	55283	18.160	ug/l	99
36) 1,1-Dichloropropene	8.371	75	44914	19.050	ug/l	98
37) Ethyl Acetate	7.559	43	51502	21.977	ug/l	99
38) Carbon Tetrachloride	8.359	117	49612	19.305	ug/l	98
39) Methylcyclohexane	9.600	83	46006	18.807	ug/l	98
40) Benzene	8.600	78	139012	19.501	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	25169	20.971	ug/l		98
42) 1,2-Dichloroethane	8.671	62	50307	19.684	ug/l		99
43) Isopropyl Acetate	8.688	43	81902	21.225	ug/l		99
44) Trichloroethene	9.347	130	31187	18.479	ug/l		89
45) 1,2-Dichloropropane	9.618	63	36004	19.896	ug/l		95
46) Dibromomethane	9.712	93	24716	19.639	ug/l		99
47) Bromodichloromethane	9.888	83	52551	20.090	ug/l	#	96
48) Methyl methacrylate	9.677	41	36782	21.968	ug/l		98
49) 1,4-Dioxane	9.694	88	13671	541.163	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	248614	114.650	ug/l		100
52) Toluene	10.624	92	85029	20.033	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	51708	20.101	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	55748	20.042	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	32750	20.437	ug/l		96
56) Ethyl methacrylate	10.871	69	50141	21.484	ug/l		97
57) 1,3-Dichloropropane	11.159	76	57554	20.463	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	131176	116.170	ug/l		99
59) 2-Hexanone	11.194	43	176533	117.338	ug/l		100
60) Dibromochloromethane	11.359	129	36970	20.483	ug/l		99
61) 1,2-Dibromoethane	11.471	107	32084	20.237	ug/l		98
64) Tetrachloroethene	11.100	164	27124	18.911	ug/l		96
65) Chlorobenzene	11.888	112	91123	18.629	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	31726	19.325	ug/l		98
67) Ethyl Benzene	11.959	91	156061	19.184	ug/l		98
68) m/p-Xylenes	12.071	106	119809	40.244	ug/l		100
69) o-Xylene	12.394	106	56516	19.624	ug/l		98
70) Styrene	12.406	104	92662	19.853	ug/l		99
71) Bromoform	12.576	173	23369	20.552	ug/l	#	99
73) Isopropylbenzene	12.694	105	142191	19.493	ug/l		100
74) N-amyl acetate	12.494	43	66923	21.434	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	47785	20.569	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	61185	32.301	ug/l		53
77) Bromobenzene	12.976	156	34066	18.850	ug/l		99
78) n-propylbenzene	13.035	91	168593	19.828	ug/l		100
79) 2-Chlorotoluene	13.123	91	104075	19.449	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	117966	19.994	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	15606	19.730	ug/l		87
82) 4-Chlorotoluene	13.218	91	105071	19.496	ug/l		99
83) tert-Butylbenzene	13.435	119	97764	19.128	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	117310	19.968	ug/l		98
85) sec-Butylbenzene	13.612	105	138962	19.588	ug/l		100
86) p-Isopropyltoluene	13.729	119	113227	18.647	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	61805	18.865	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	62145	18.466	ug/l		99
89) n-Butylbenzene	14.053	91	97095	18.690	ug/l		99
90) Hexachloroethane	14.329	117	22343	19.213	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	59449	19.049	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9218	22.294	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	28607	18.366	ug/l		98
94) Hexachlorobutadiene	15.500	225	13450	17.379	ug/l		99
95) Naphthalene	15.641	128	92054	17.429	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	27454	17.641	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

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

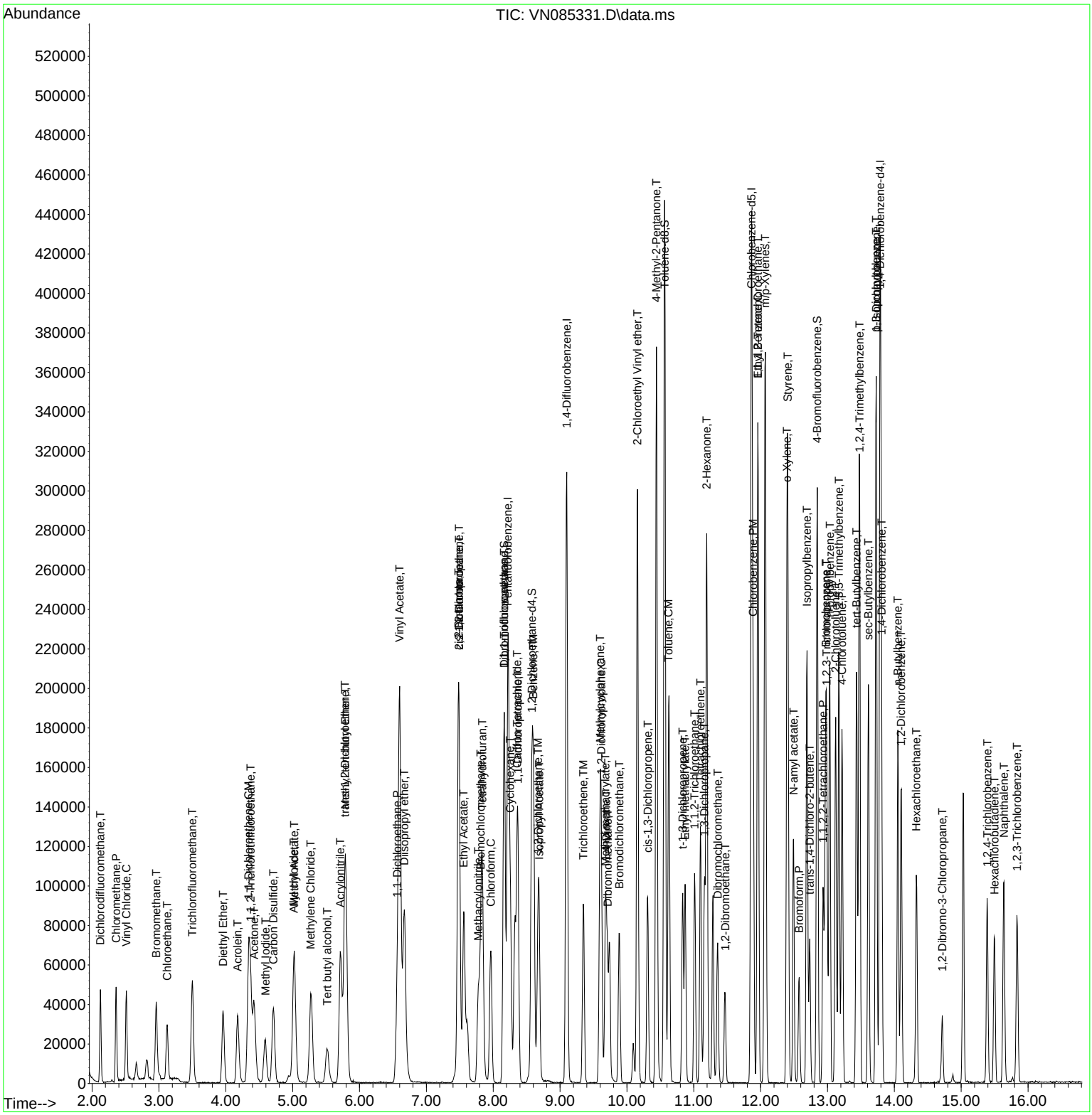
(#) = qualifier out of range (m) = manual integration (+) = signals summed

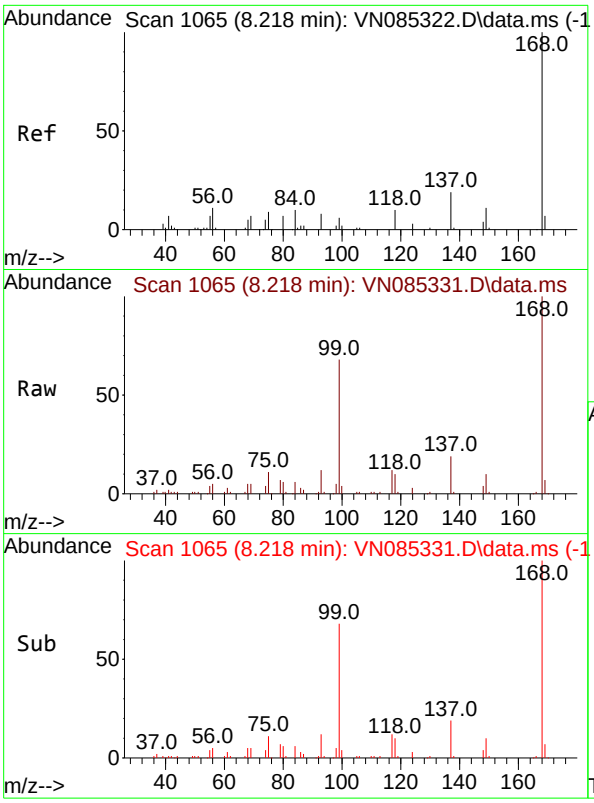
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085331.D
Acq On : 27 Dec 2024 17:30
Operator : JC\MD
Sample : VN1227WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Quant Time: Dec 28 01:43:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



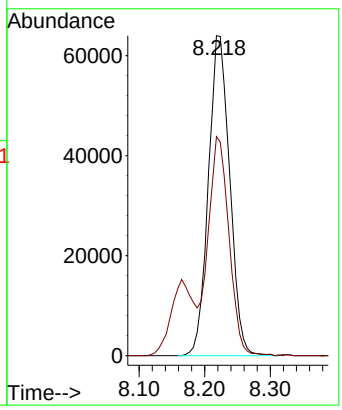


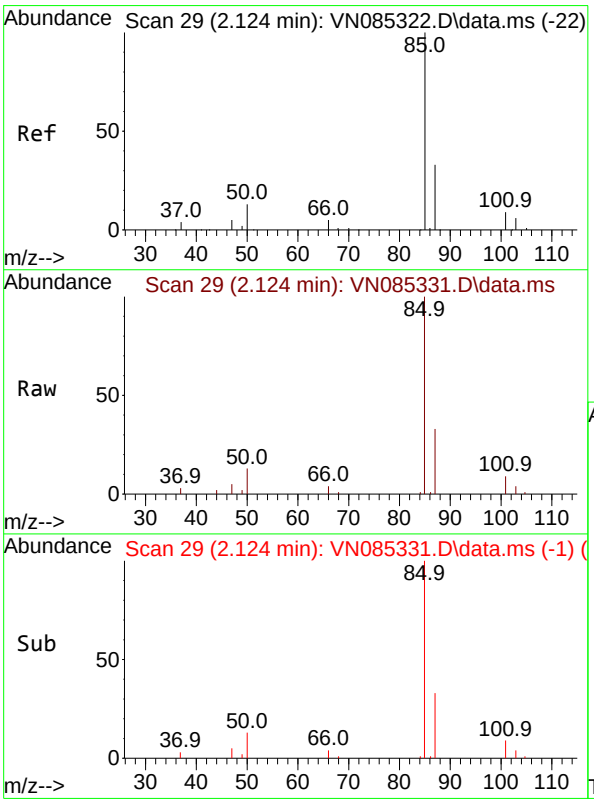
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:168 Resp: 144320

Ion	Ratio	Lower	Upper
168	100		
99	68.2	51.0	76.4

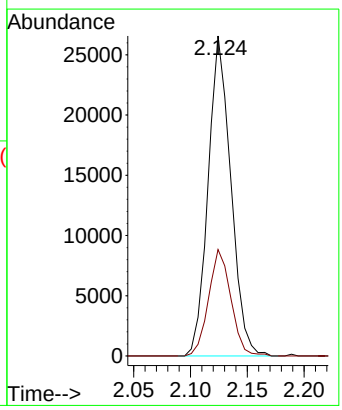


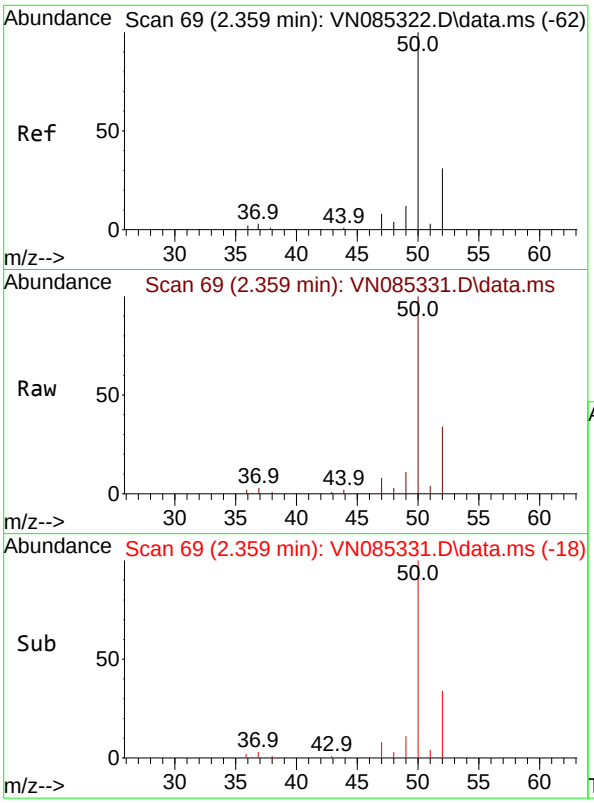


#2
Dichlorodifluoromethane
Concen: 18.926 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 85 Resp: 36940

Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.8	50.3



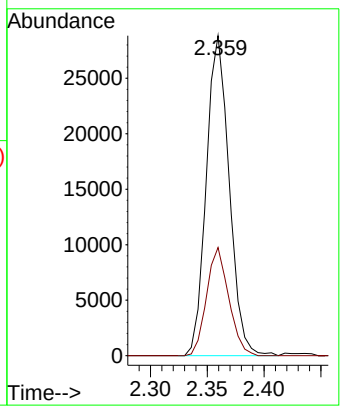


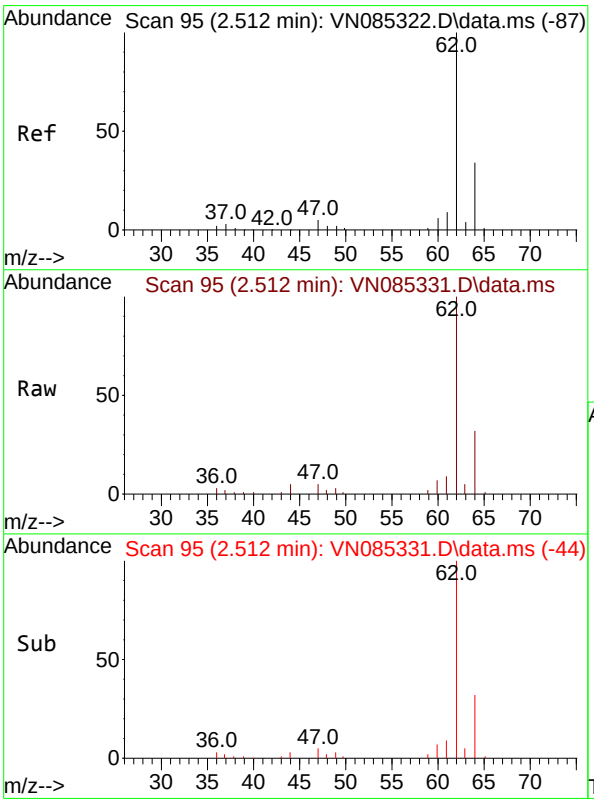
#3
Chloromethane
Concen: 18.430 ug/l
RT: 2.359 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 50 Resp: 40431

Ion	Ratio	Lower	Upper
50	100		
52	33.8	25.1	37.7

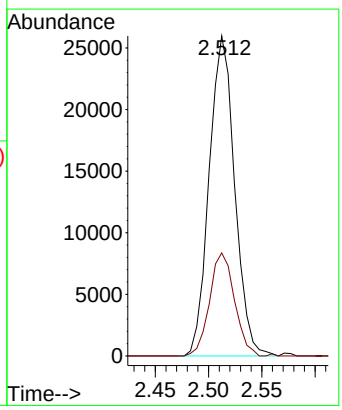


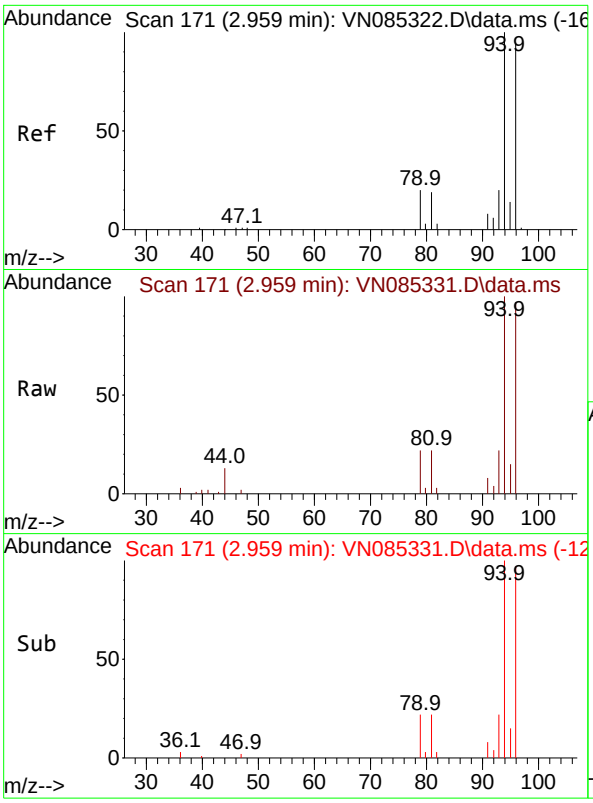


#4
Vinyl Chloride
Concen: 18.641 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 62 Resp: 43248

Ion	Ratio	Lower	Upper
62	100		
64	32.2	27.0	40.6



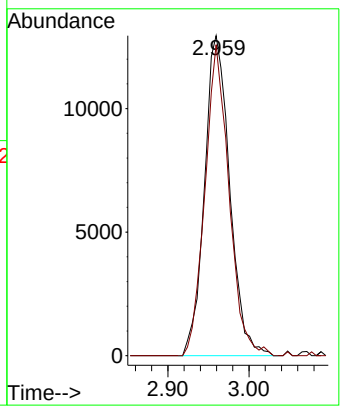


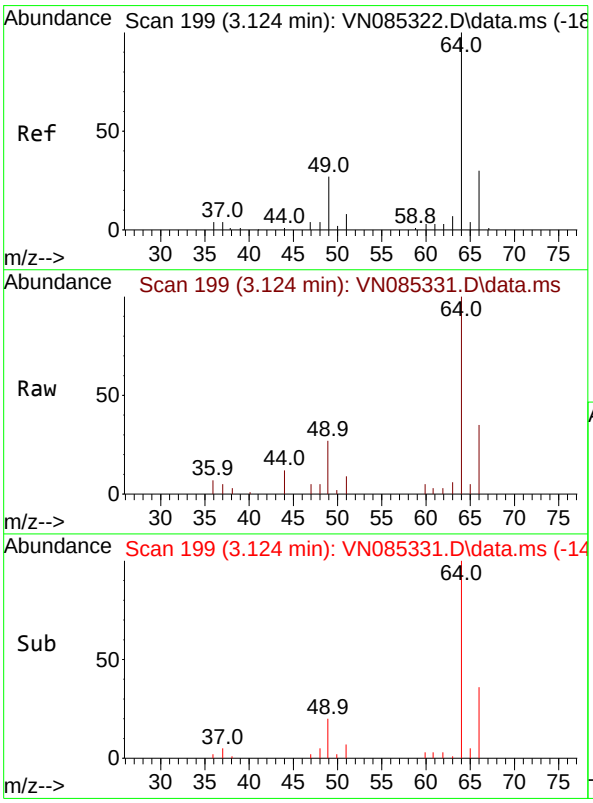
#5
Bromomethane
Concen: 18.447 ug/l
RT: 2.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 94 Resp: 27990

Ion	Ratio	Lower	Upper
94	100		
96	97.2	75.2	112.8

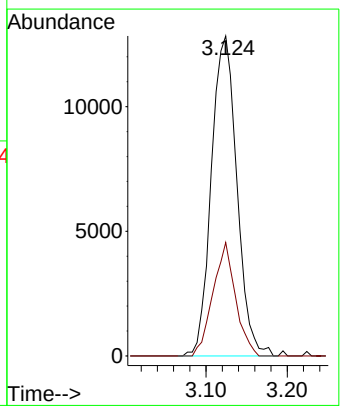


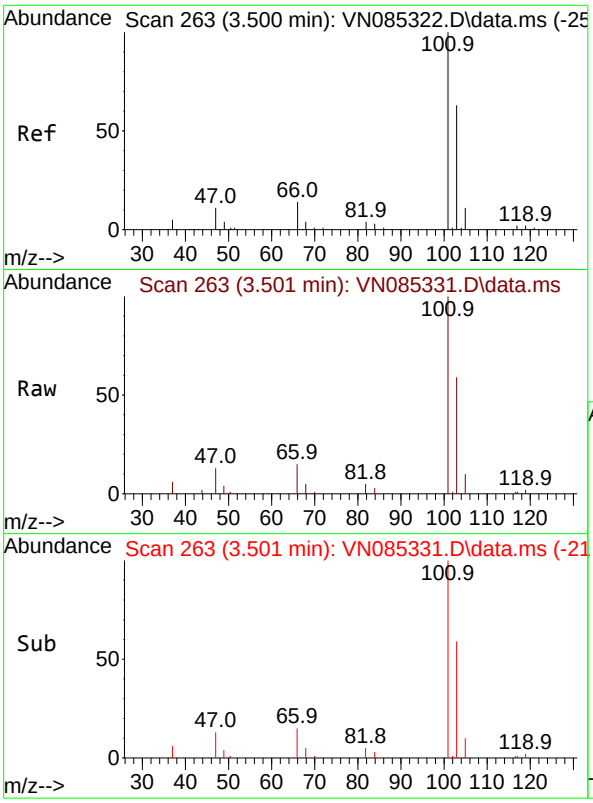


#6
Chloroethane
Concen: 19.056 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 64 Resp: 28037

Ion	Ratio	Lower	Upper
64	100		
66	35.4	24.1	36.1



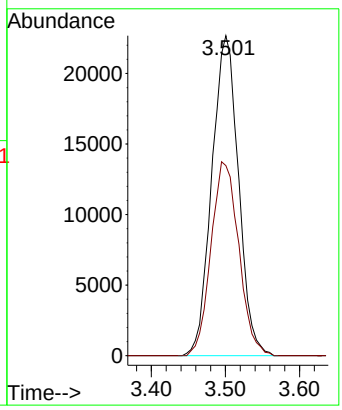


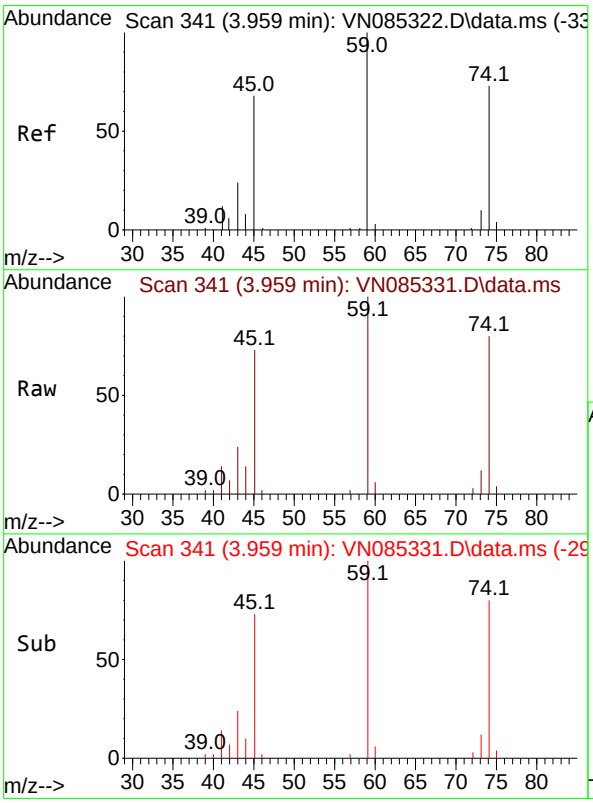
#7
Trichlorofluoromethane
Concen: 18.580 ug/l
RT: 3.501 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:101 Resp: 56663

Ion	Ratio	Lower	Upper
101	100		
103	59.4	50.3	75.5

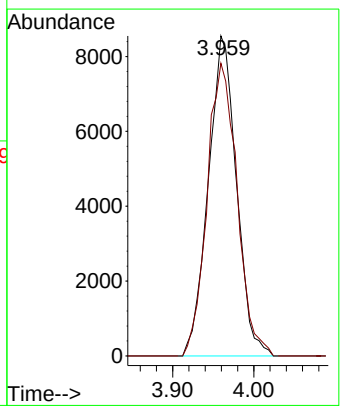


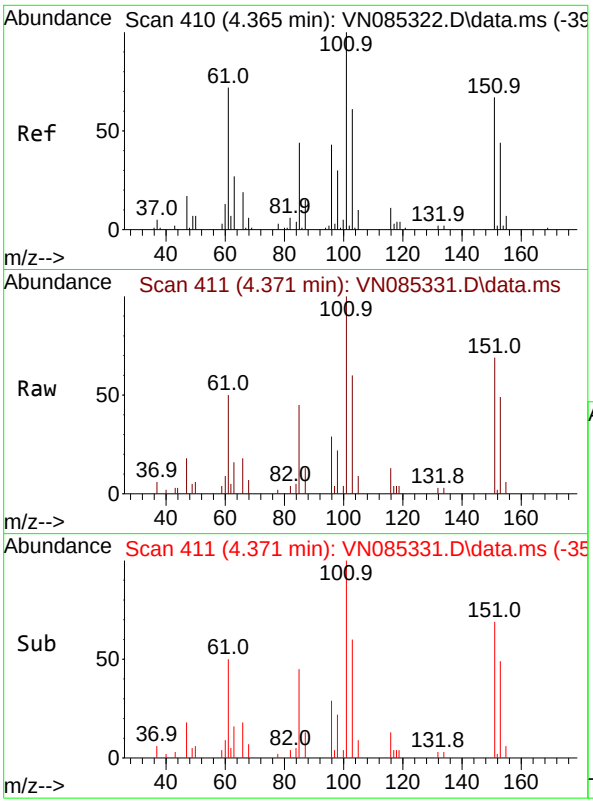


#8
Diethyl Ether
Concen: 20.396 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 74 Resp: 20596

Ion	Ratio	Lower	Upper
74	100		
45	97.5	47.5	142.6



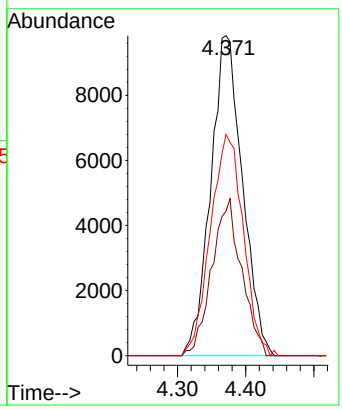


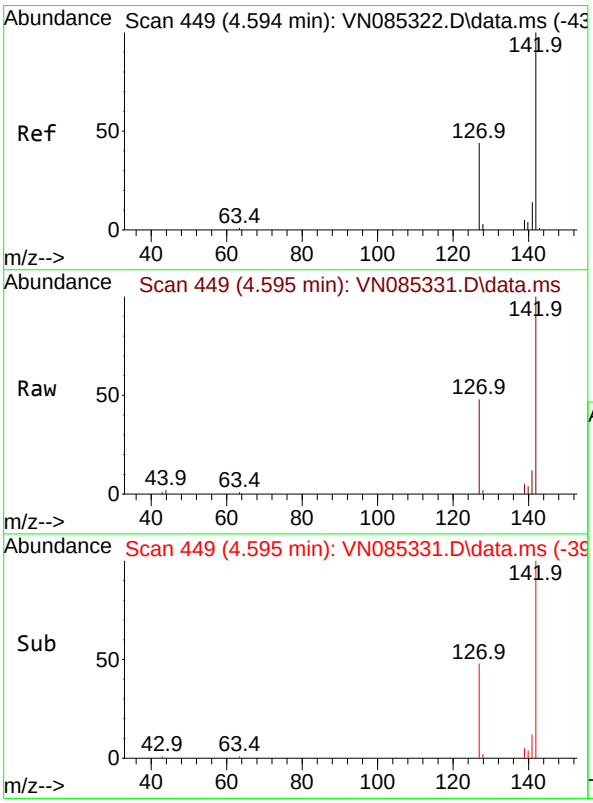
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.381 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:101 Resp: 31898

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	71.3	55.8	83.6

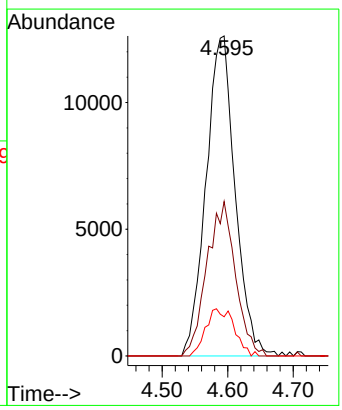


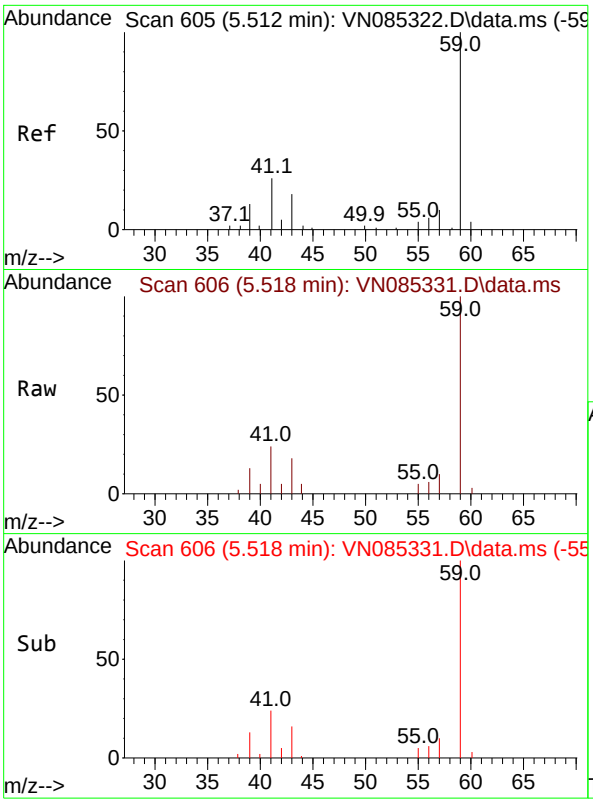


#10
Methyl Iodide
Concen: 19.339 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:142 Resp: 38836

Ion	Ratio	Lower	Upper
142	100		
127	48.3	35.3	52.9
141	12.2	11.5	17.3



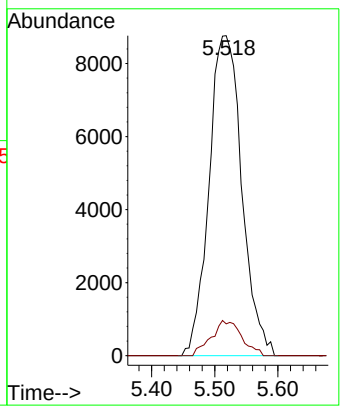


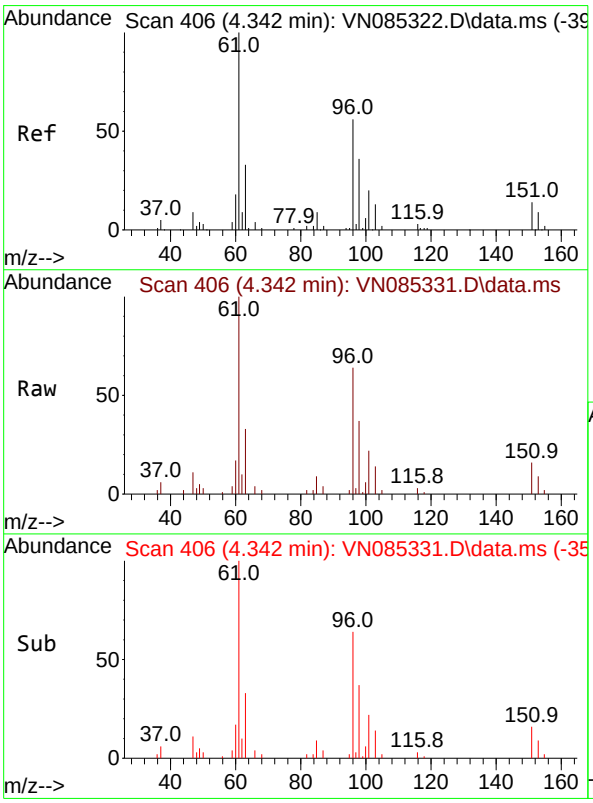
#11
Tert butyl alcohol
Concen: 122.694 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 59 Resp: 31625

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

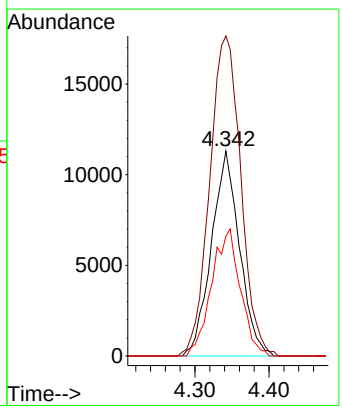


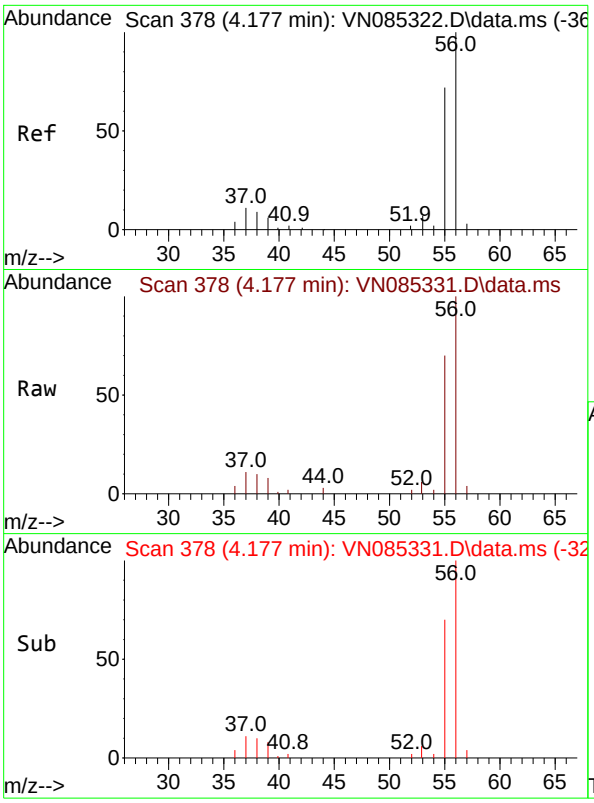


#12
1,1-Dichloroethene
Concen: 18.559 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 96 Resp: 29765

Ion	Ratio	Lower	Upper
96	100		
61	156.3	142.4	213.6
98	58.5	51.5	77.3



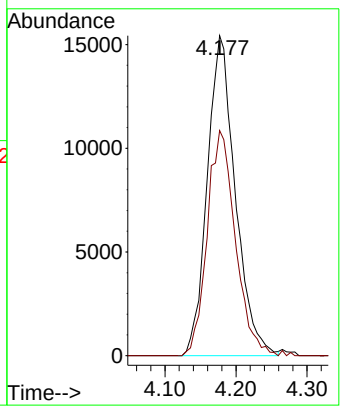


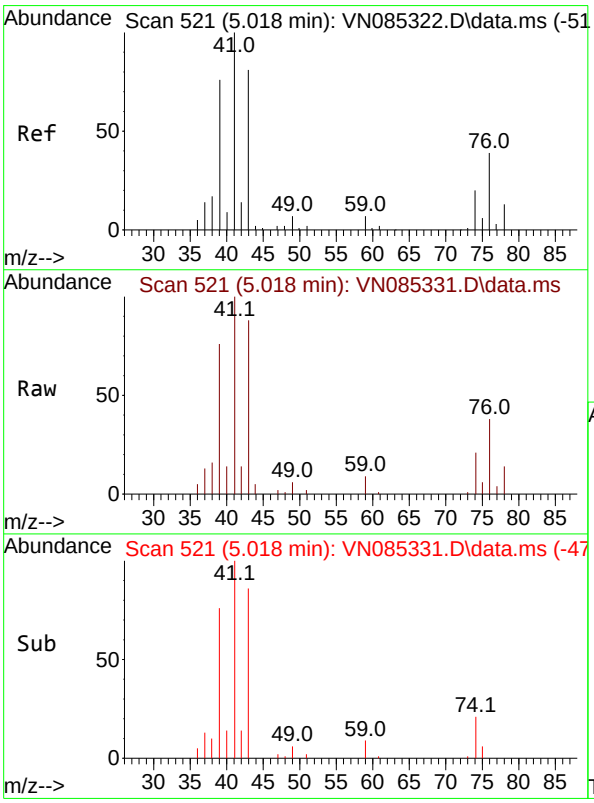
#13
Acrolein
Concen: 105.226 ug/l
RT: 4.177 min Scan# 3
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 56 Resp: 42286

Ion	Ratio	Lower	Upper
56	100		
55	70.7	57.5	86.3

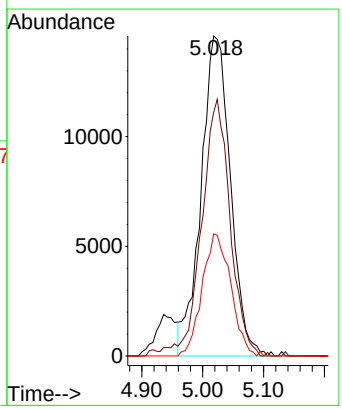


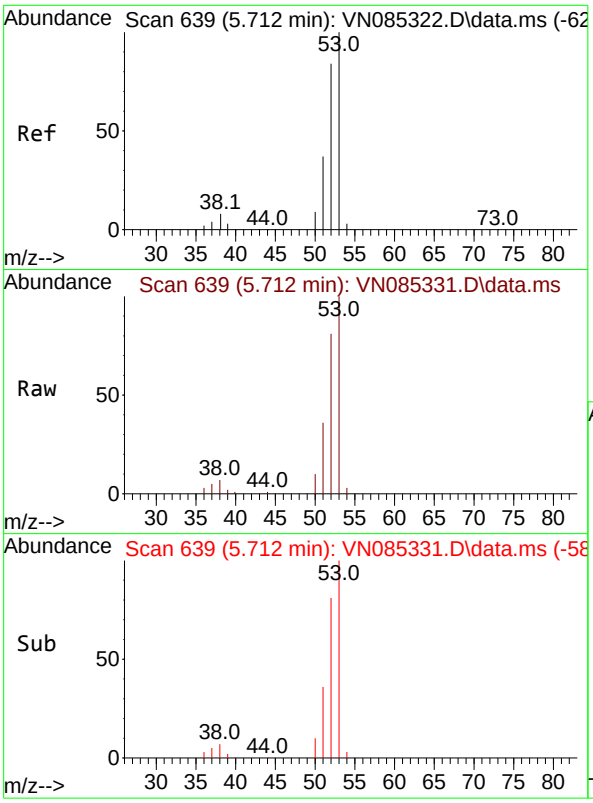


#14
Allyl chloride
Concen: 19.067 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 41 Resp: 48941

Ion	Ratio	Lower	Upper
41	100		
39	77.4	64.4	96.6
76	37.0	31.5	47.3



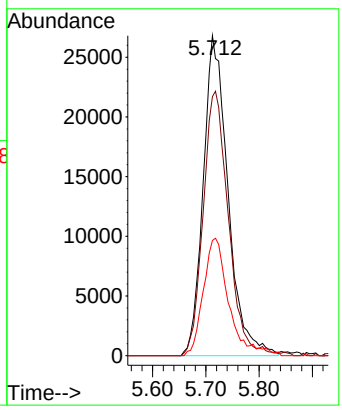


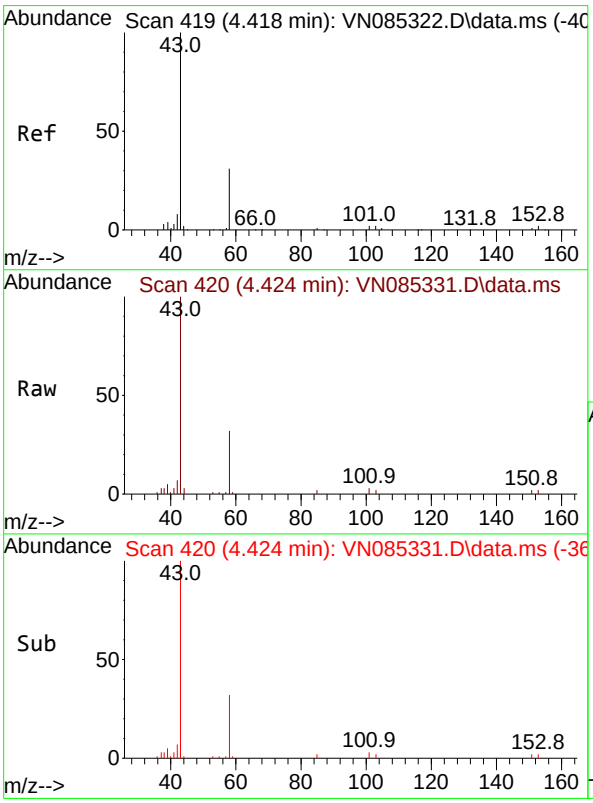
#15
Acrylonitrile
Concen: 106.764 ug/l
RT: 5.712 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 53 Resp: 86613

Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.6	100.0
51	37.6	29.6	44.4

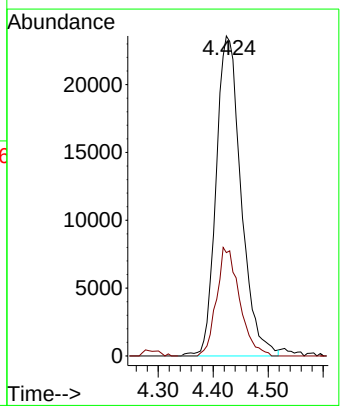


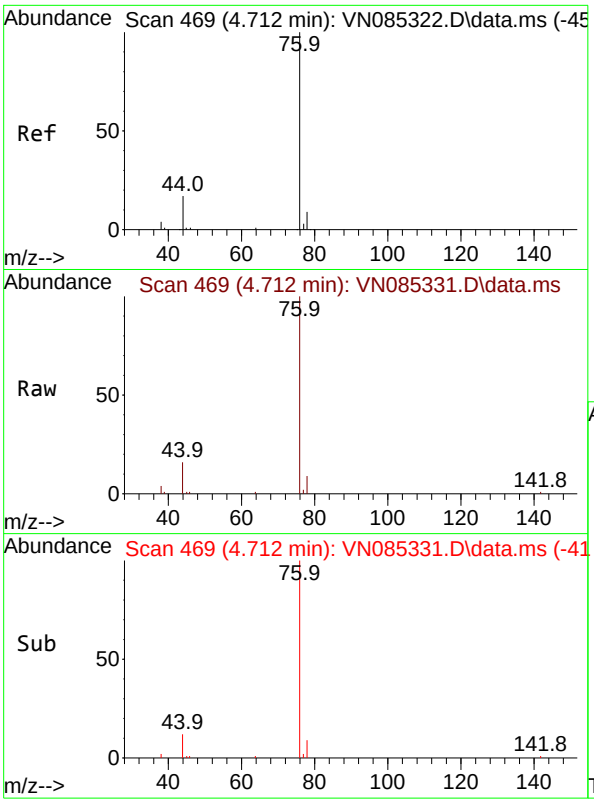


#16
Acetone
Concen: 109.867 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 74365

Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.5	36.7



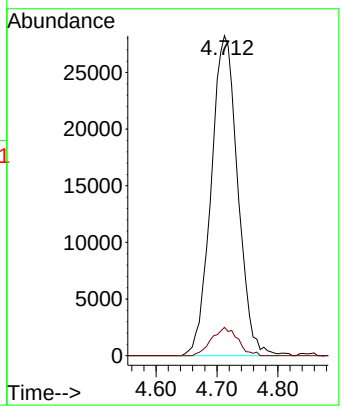


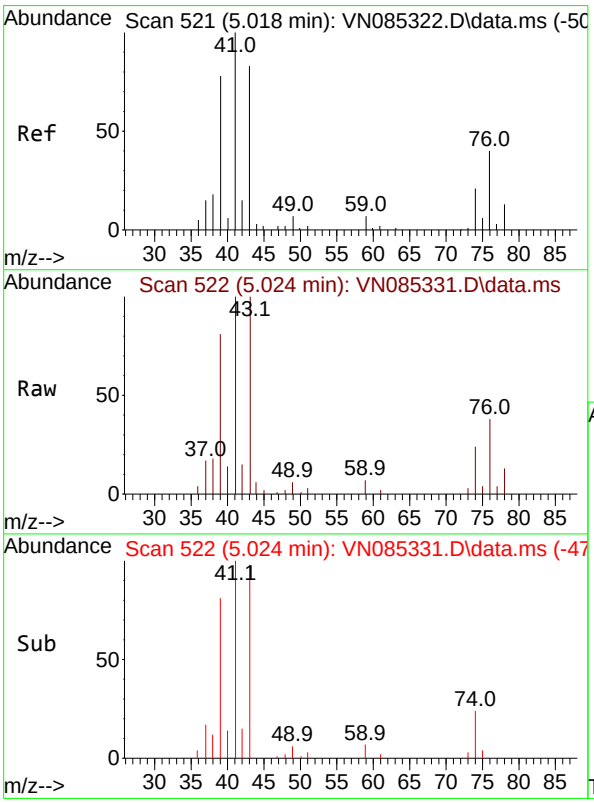
#17
Carbon Disulfide
Concen: 17.574 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 76 Resp: 85742

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

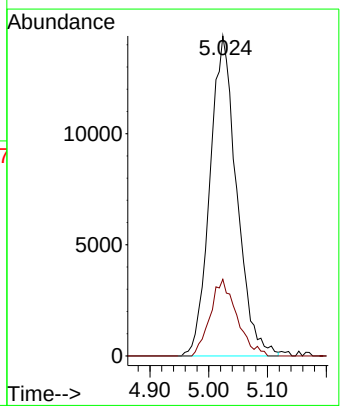


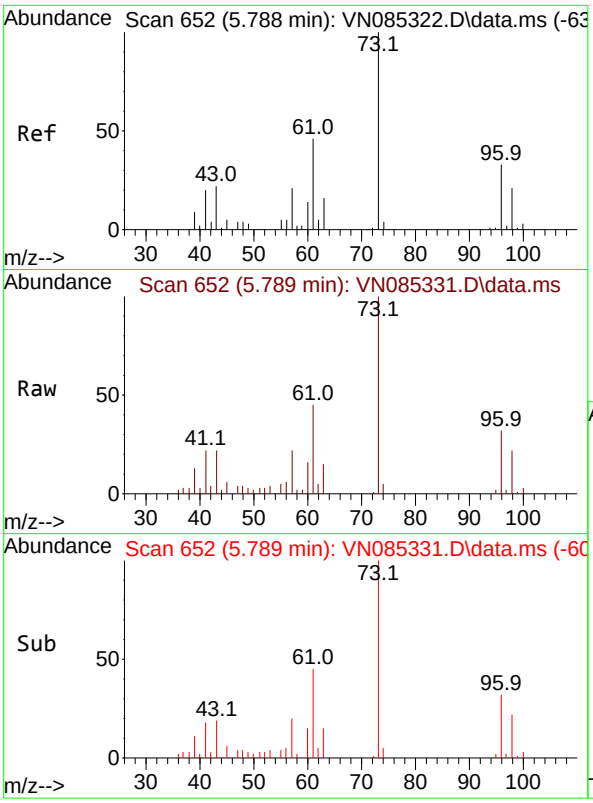


#18
Methyl Acetate
Concen: 22.030 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 45651

Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.0	28.6



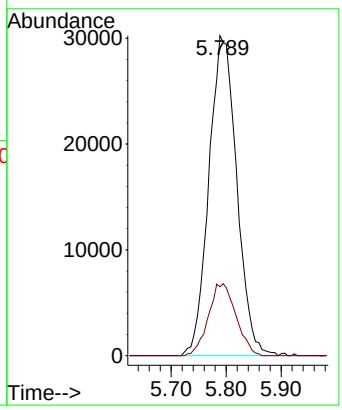


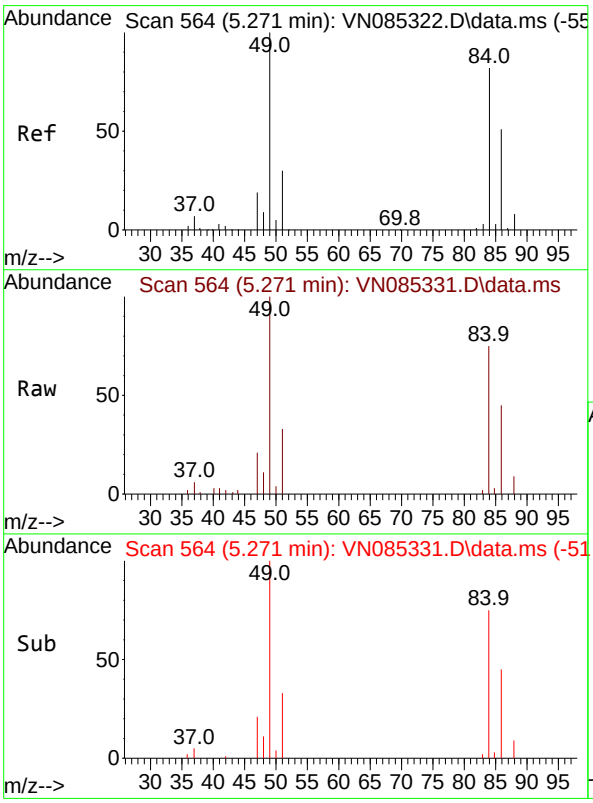
#19
Methyl tert-butyl Ether
Concen: 20.394 ug/l
RT: 5.789 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 73 Resp: 106310

Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.0	25.6

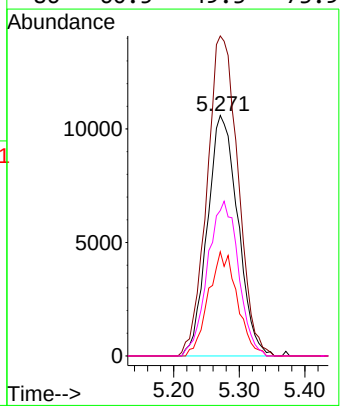


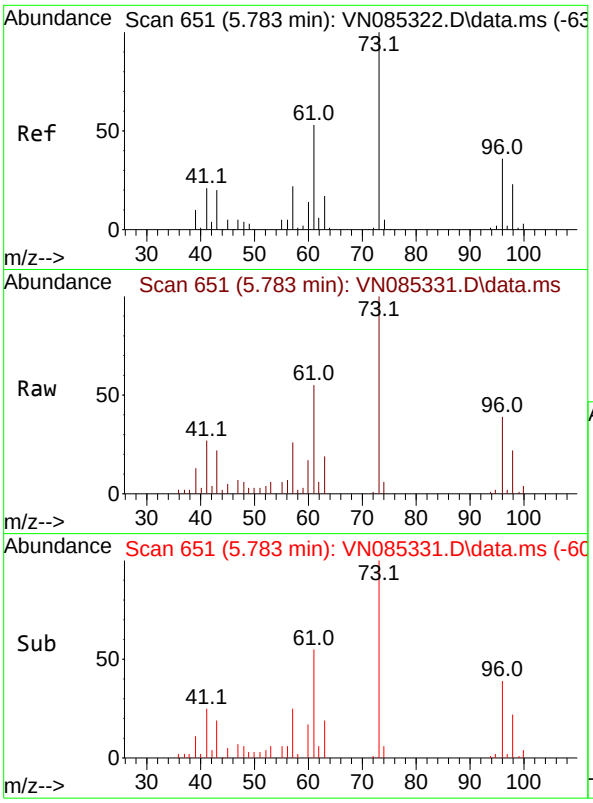


#20
Methylene Chloride
Concen: 18.759 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 84 Resp: 34153

Ion	Ratio	Lower	Upper
84	100		
49	133.0	97.6	146.4
51	43.3	29.1	43.7
86	60.5	49.3	73.9



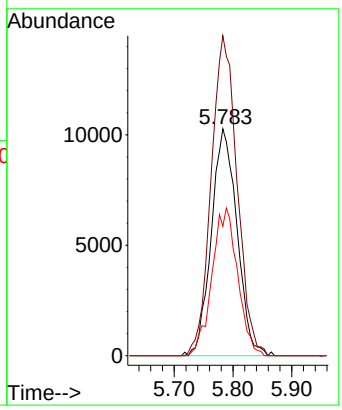


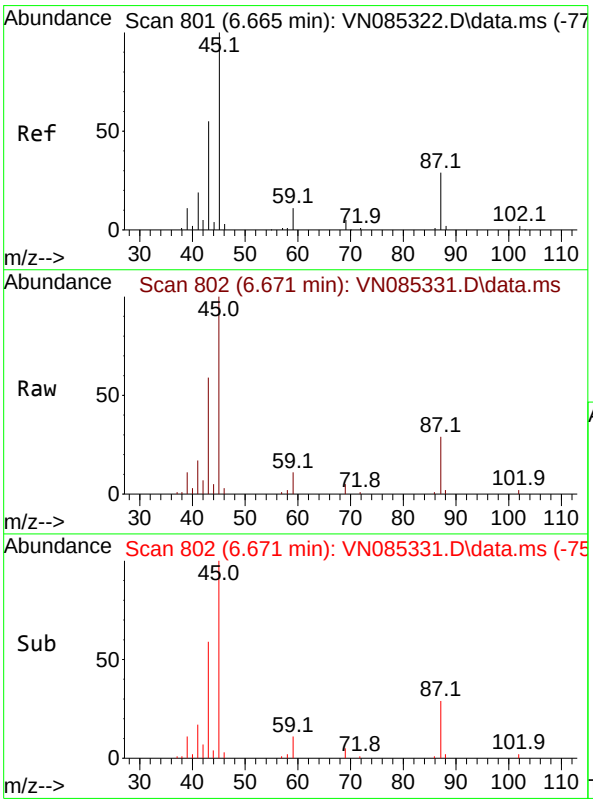
#21
trans-1,2-Dichloroethene
Concen: 18.589 ug/l
RT: 5.783 min Scan# 6
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 96 Resp: 31142

Ion	Ratio	Lower	Upper
96	100		
61	141.0	118.0	177.0
98	57.1	50.6	75.8

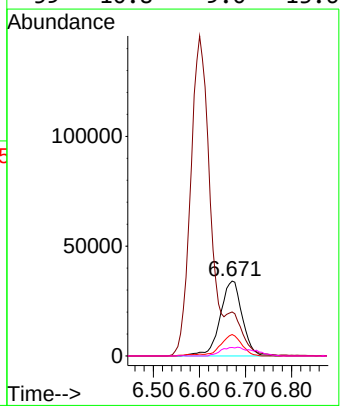


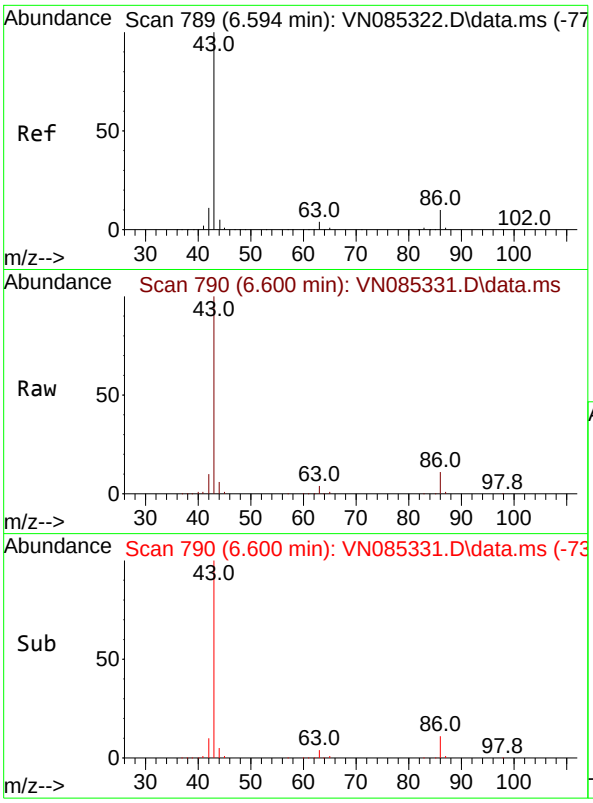


#22
Diisopropyl ether
Concen: 20.407 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 45 Resp: 112873

Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.1	66.1
87	28.6	23.2	34.8
59	10.8	9.0	13.6



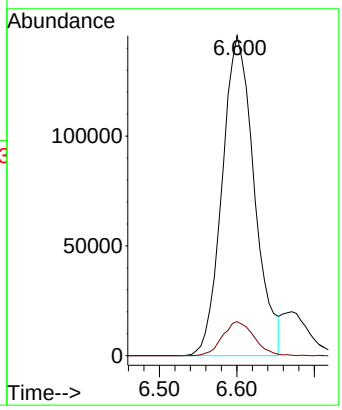


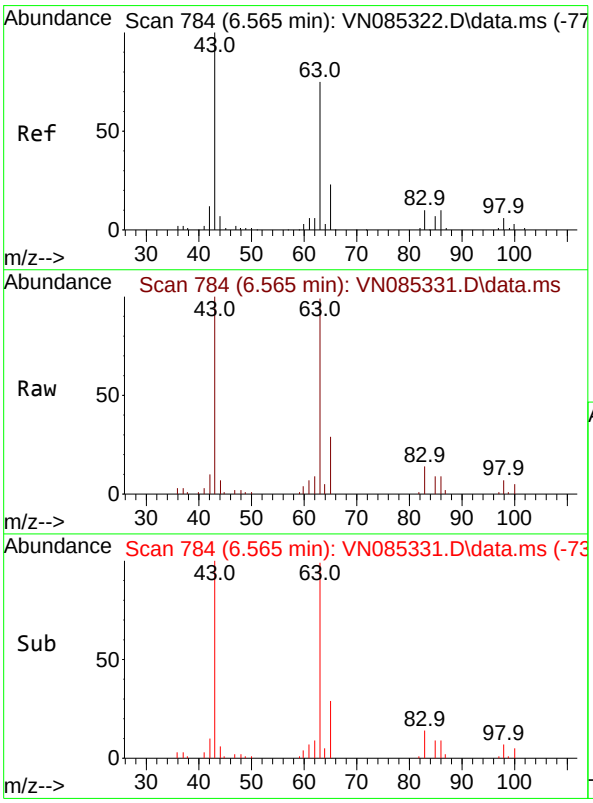
#23
Vinyl Acetate
Concen: 105.120 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 420622

Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.0	12.0

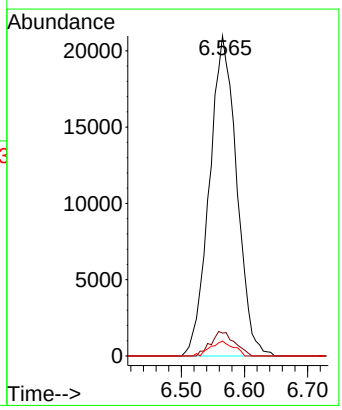


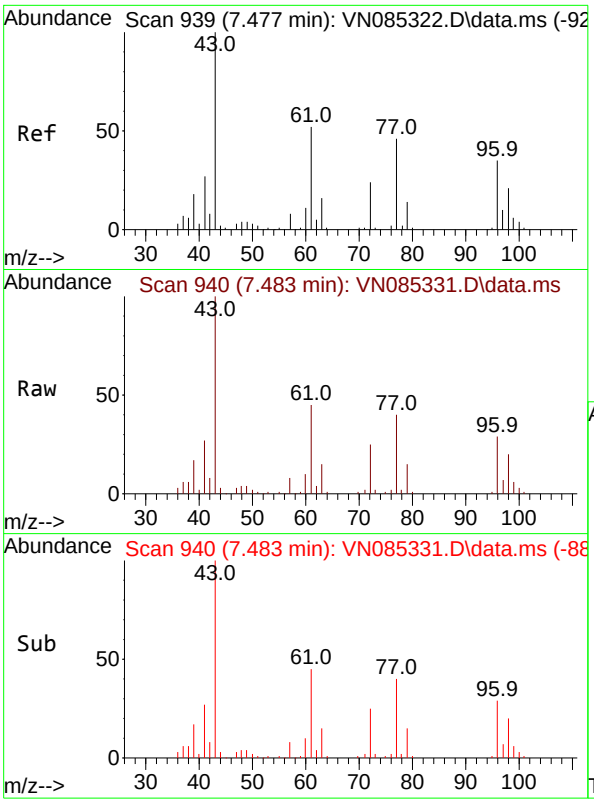


#24
1,1-Dichloroethane
Concen: 18.922 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 63 Resp: 63046

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.6	2.3	6.8



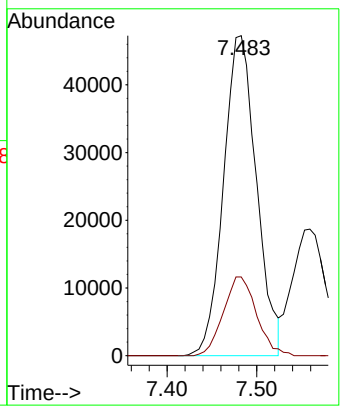


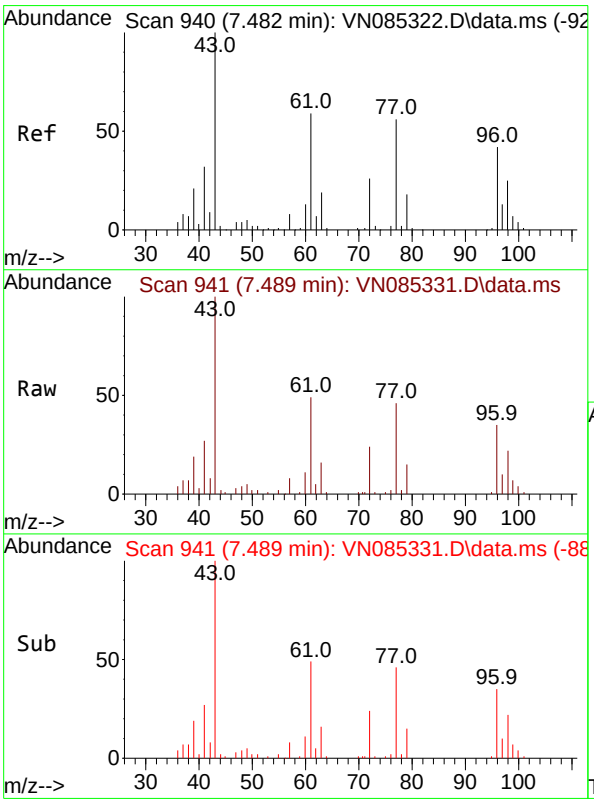
#25
2-Butanone
Concen: 114.877 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 120630

Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.6	29.4

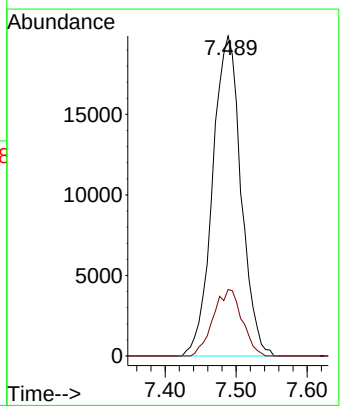


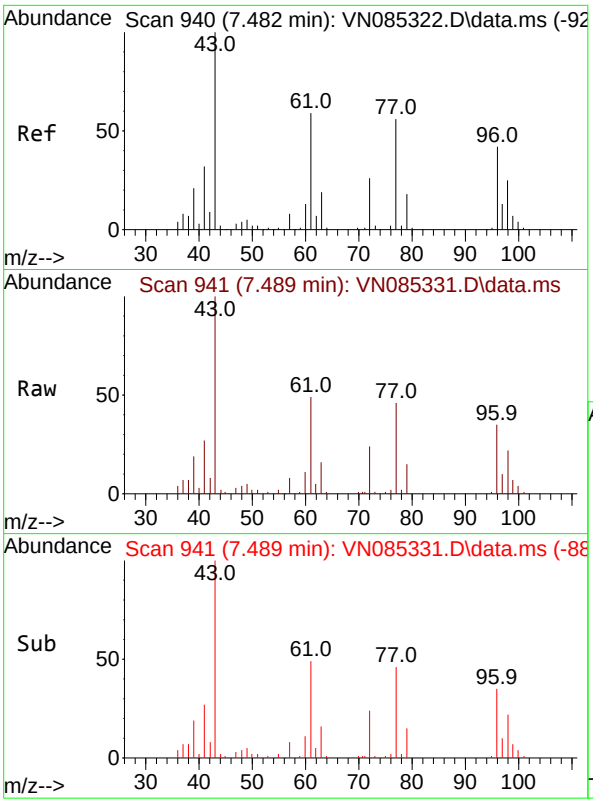


#26
2,2-Dichloropropane
Concen: 18.943 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 77 Resp: 55298

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.6	31.8



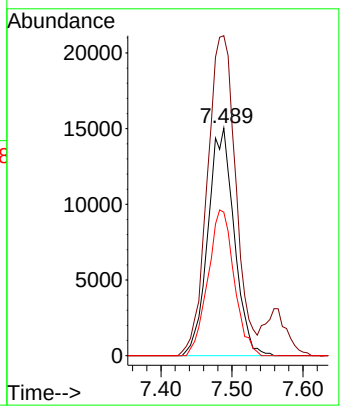


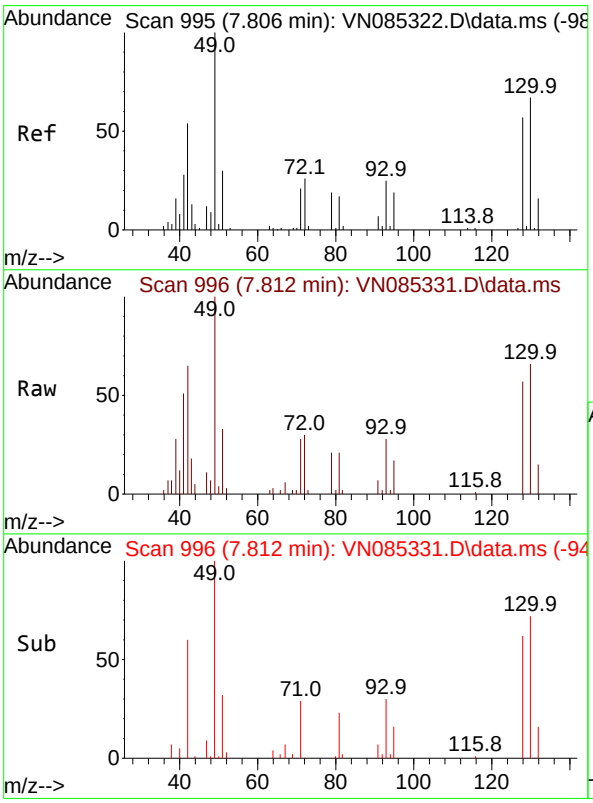
#27
cis-1,2-Dichloroethene
Concen: 19.575 ug/l
RT: 7.489 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 96 Resp: 38491

Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	296.4
98	64.0	0.0	124.2

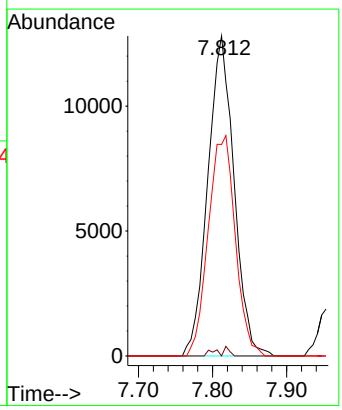


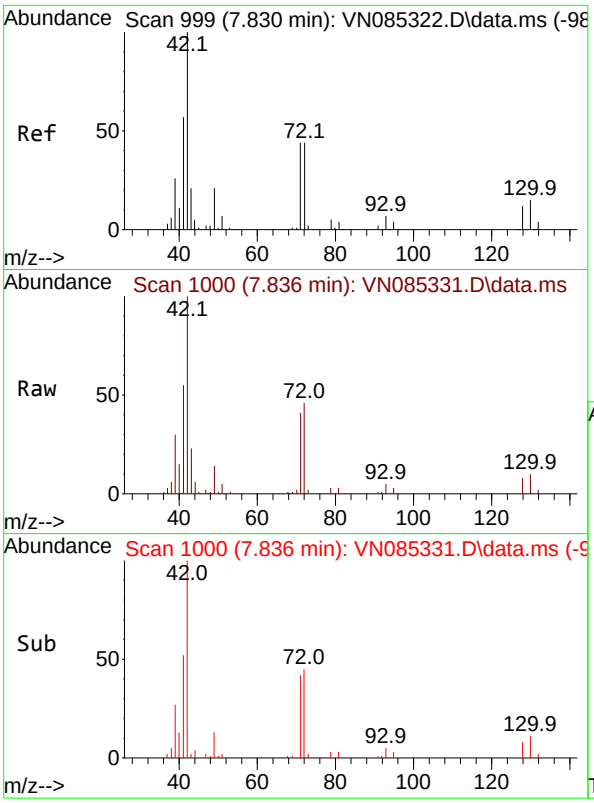


#28
Bromochloromethane
Concen: 20.342 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 49 Resp: 31497

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.0
130	71.0	0.0	0.0#



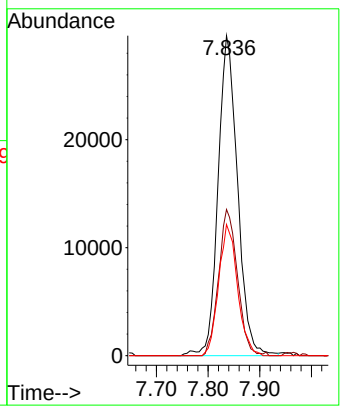


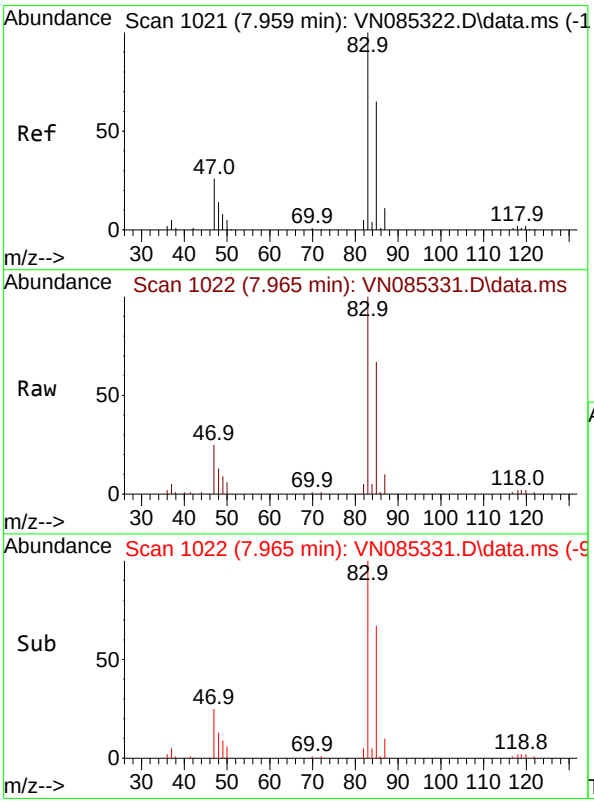
#29
Tetrahydrofuran
Concen: 114.648 ug/l
RT: 7.836 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 42 Resp: 77549

Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.1	52.7
71	39.6	33.4	50.0

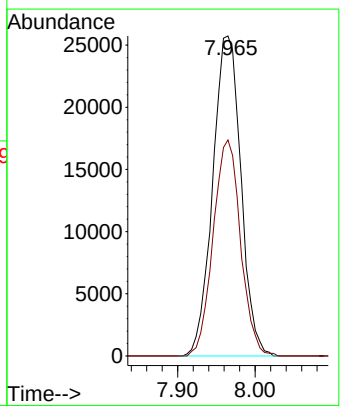


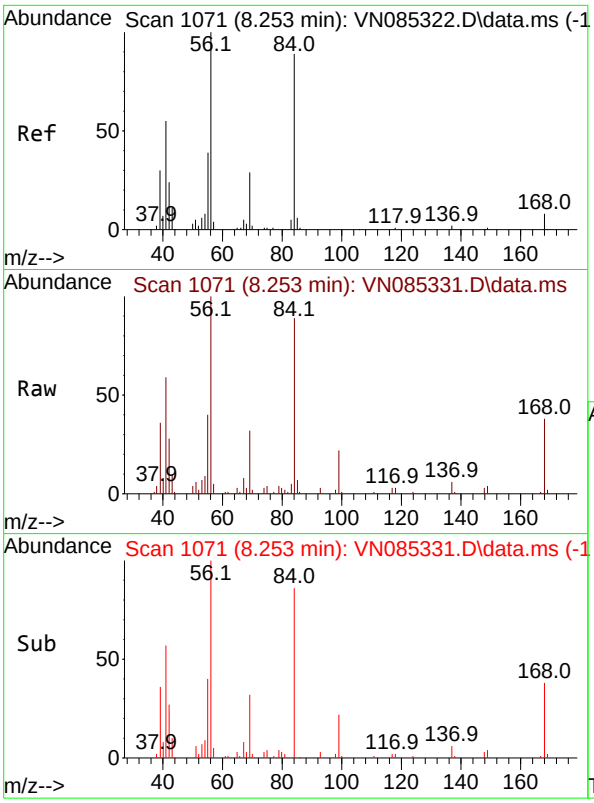


#30
Chloroform
Concen: 19.116 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 83 Resp: 65160

Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.0	78.0



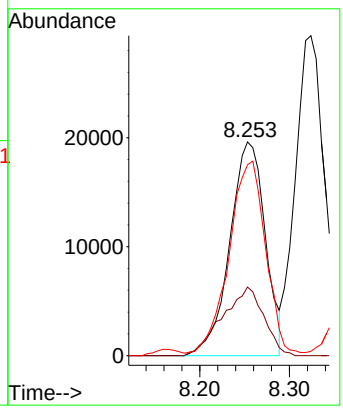


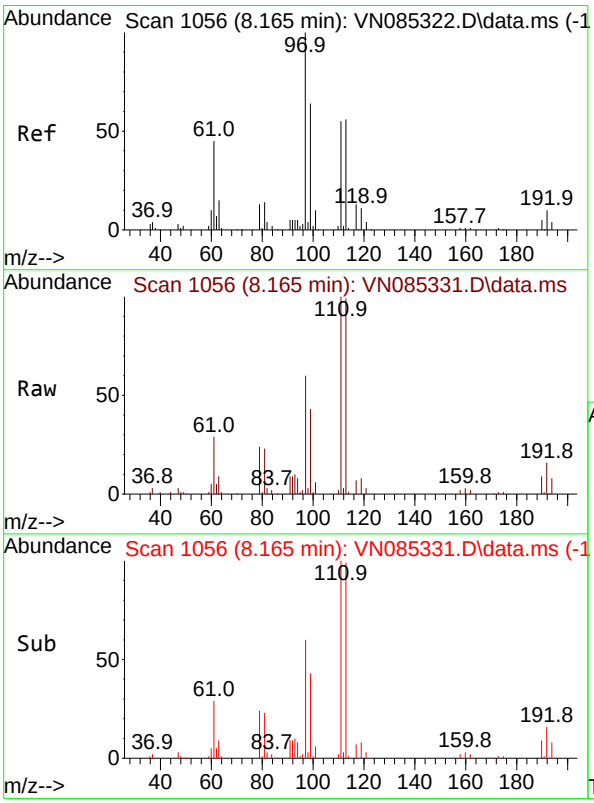
#31
Cyclohexane
Concen: 17.744 ug/l
RT: 8.253 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 56 Resp: 53985

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.4	35.0
84	87.4	71.0	106.6

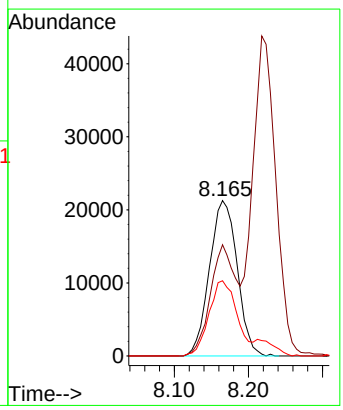


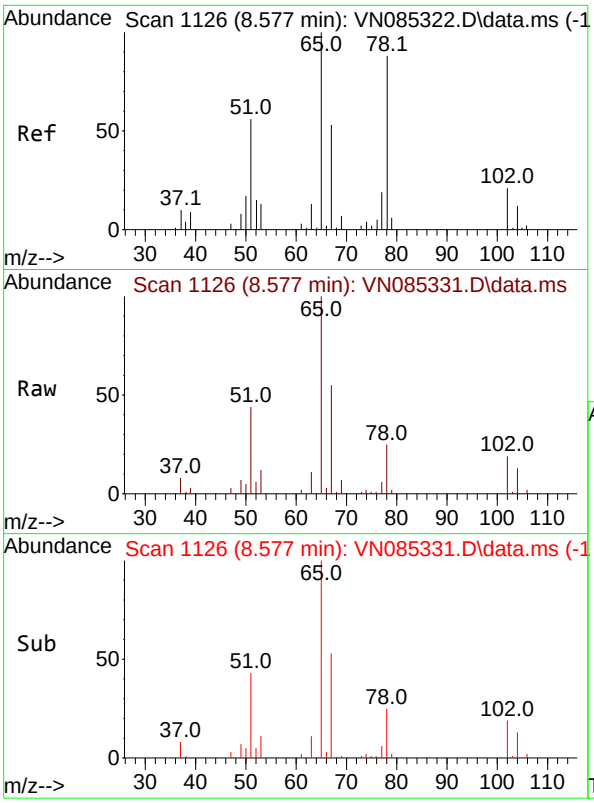


#32
1,1,1-Trichloroethane
Concen: 18.160 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 97 Resp: 55283

Ion	Ratio	Lower	Upper
97	100		
99	65.8	53.3	79.9
61	49.3	39.6	59.4



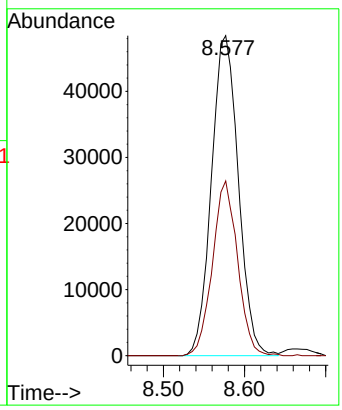


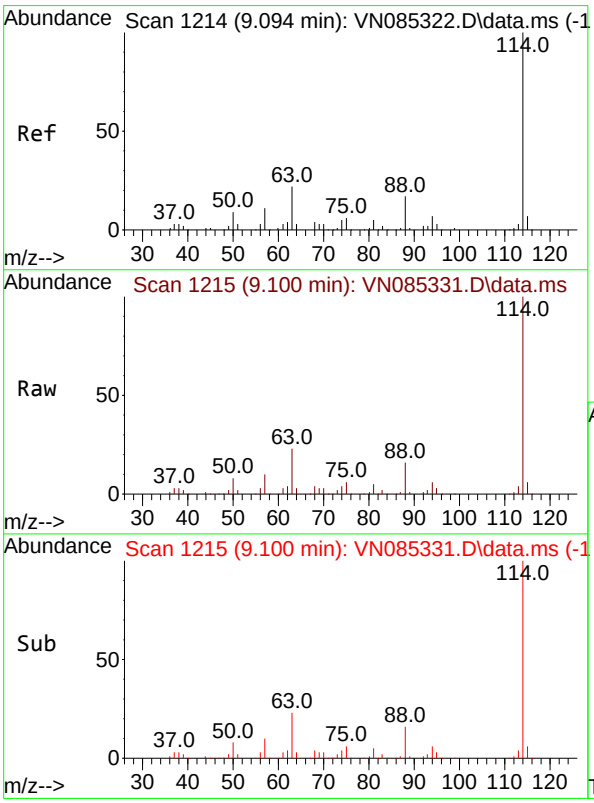
#33
1,2-Dichloroethane-d4
Concen: 54.248 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 65 Resp: 111665

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.0

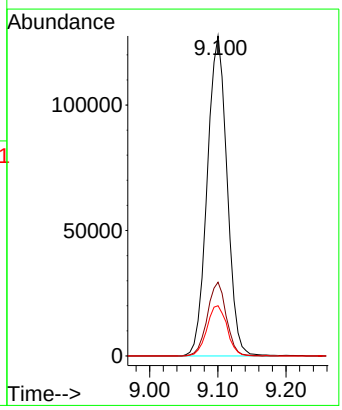


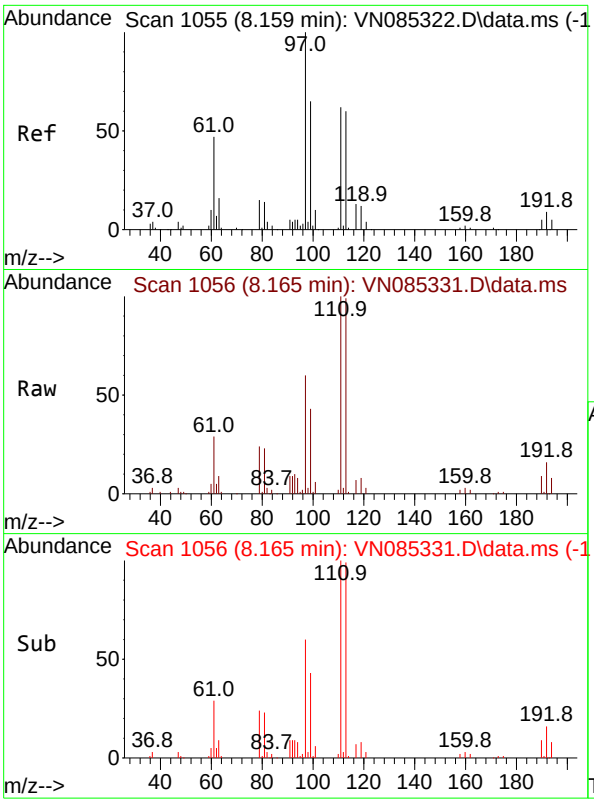


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:114 Resp: 258119

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	43.4
88	15.7	0.0	33.6



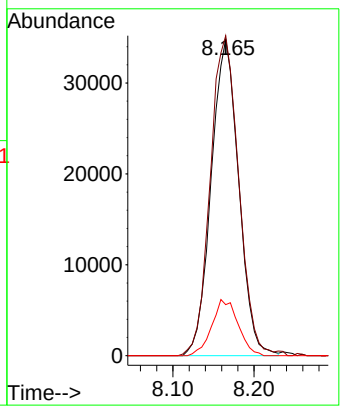


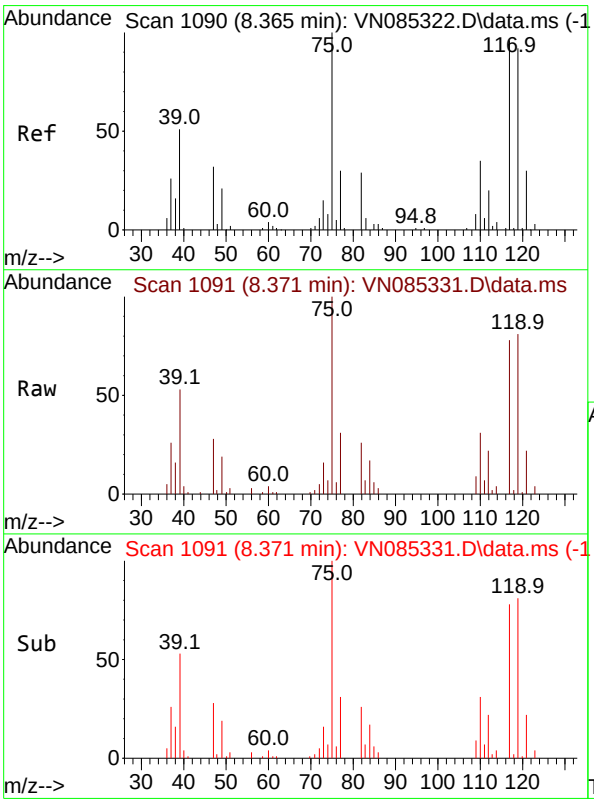
#35
Dibromofluoromethane
Concen: 50.827 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:113 Resp: 81846

Ion	Ratio	Lower	Upper
113	100		
111	105.0	80.5	120.7
192	17.0	12.9	19.3

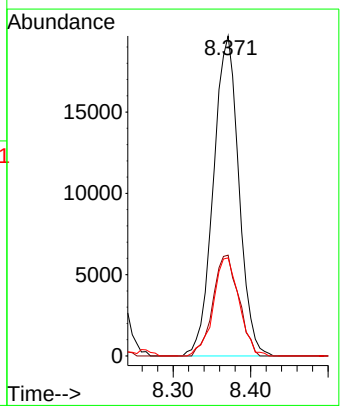


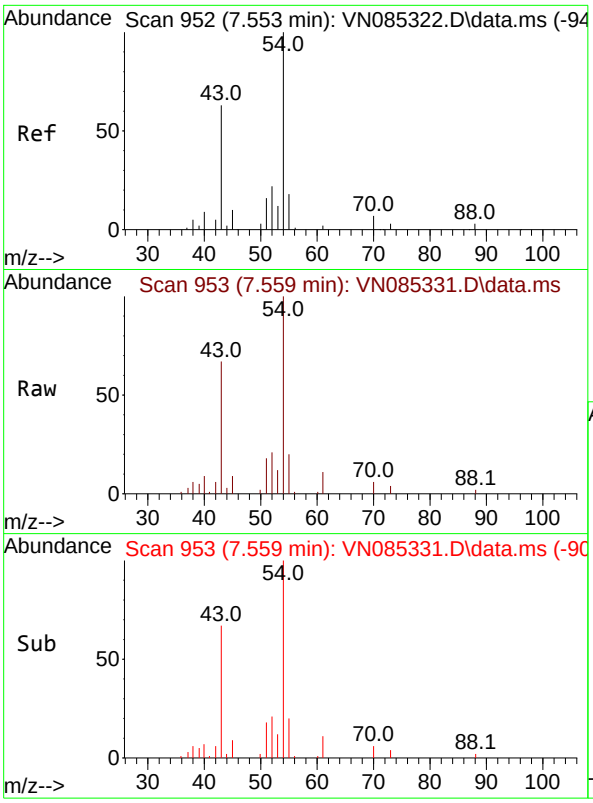


#36
1,1-Dichloropropene
Concen: 19.050 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 44914

Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.6	49.8
77	31.2	24.3	36.5



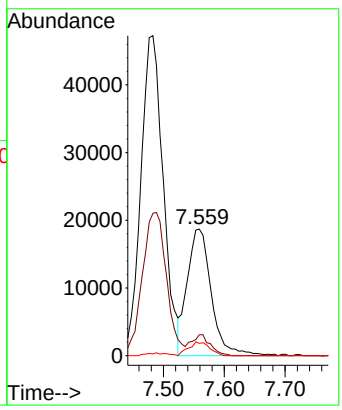


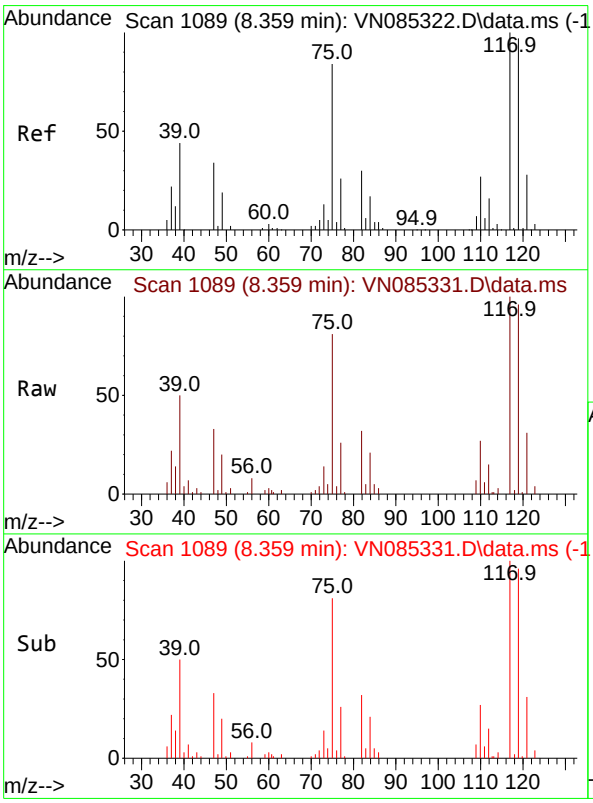
#37
Ethyl Acetate
Concen: 21.977 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 51502

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.4	8.2	12.2

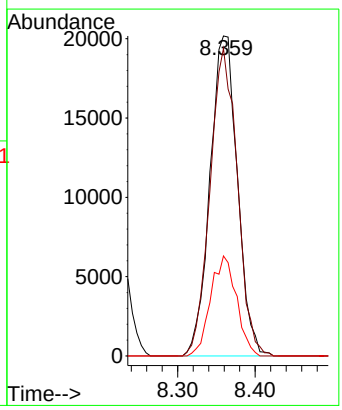


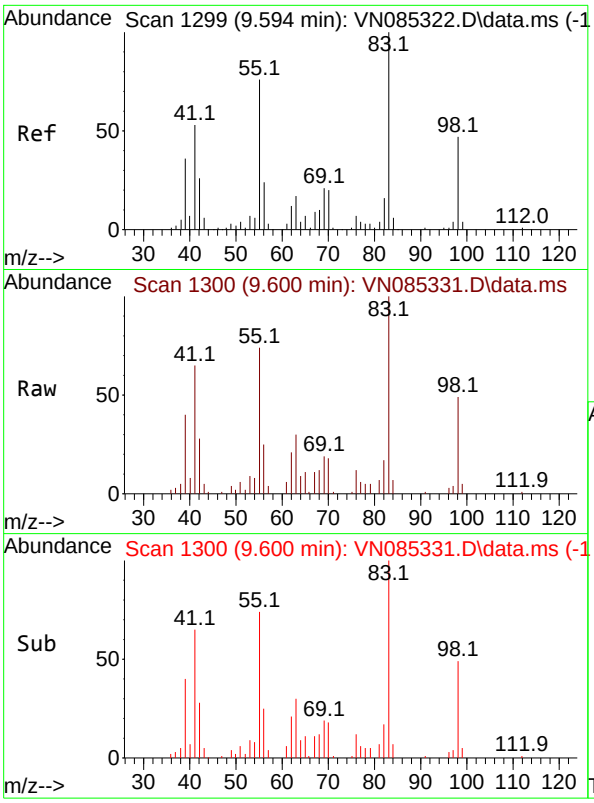


#38
Carbon Tetrachloride
Concen: 19.305 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:117 Resp: 49612

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.6
121	31.3	22.5	33.7



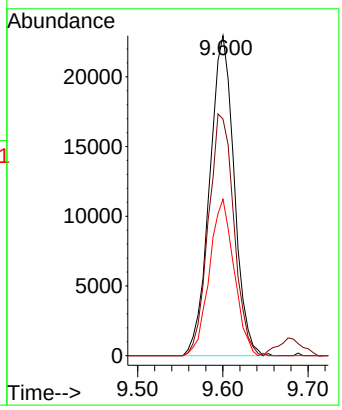


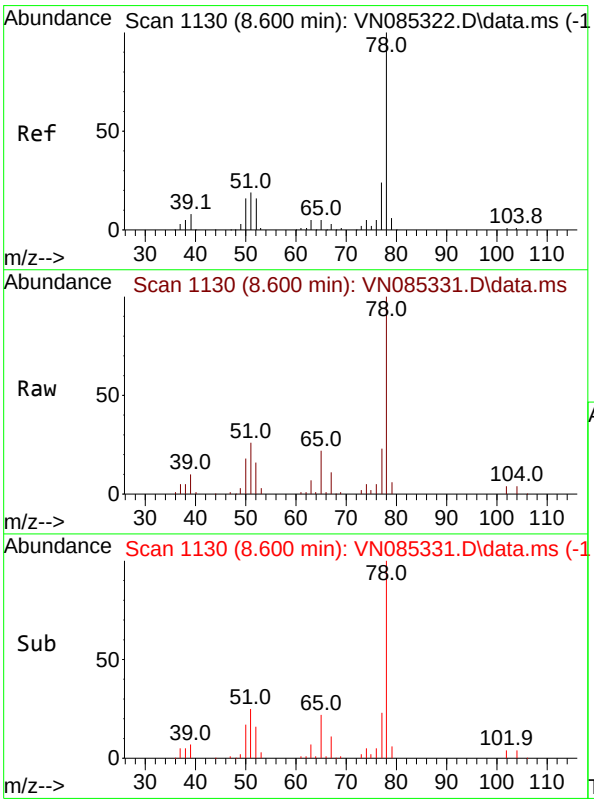
#39
Methylcyclohexane
Concen: 18.807 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 83 Resp: 46006

Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.7	91.1
98	48.9	37.7	56.5

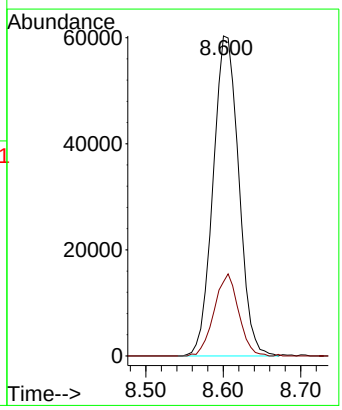


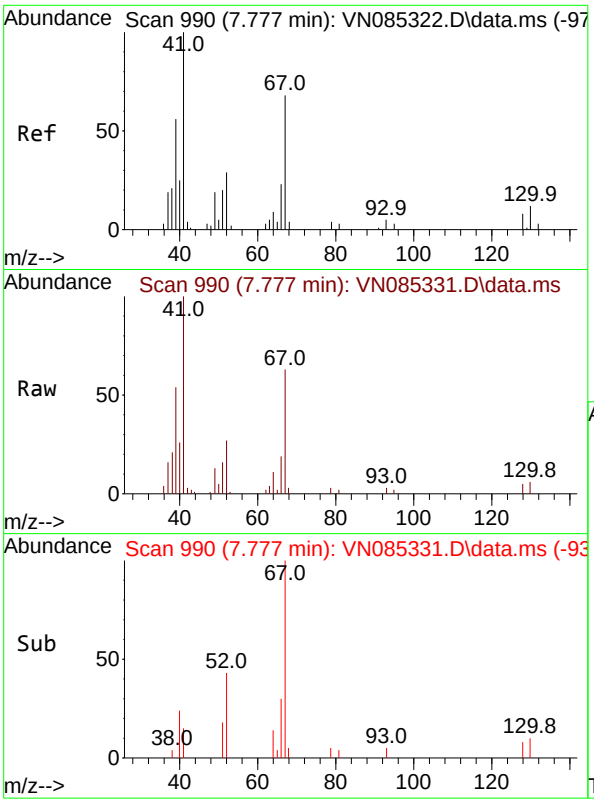


#40
Benzene
Concen: 19.501 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 78 Resp: 139012

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4



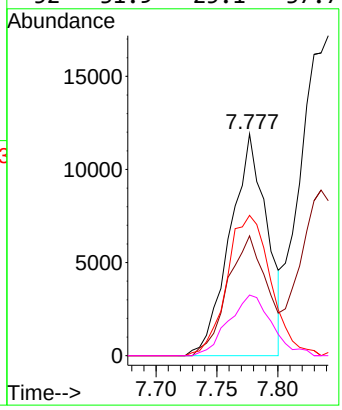


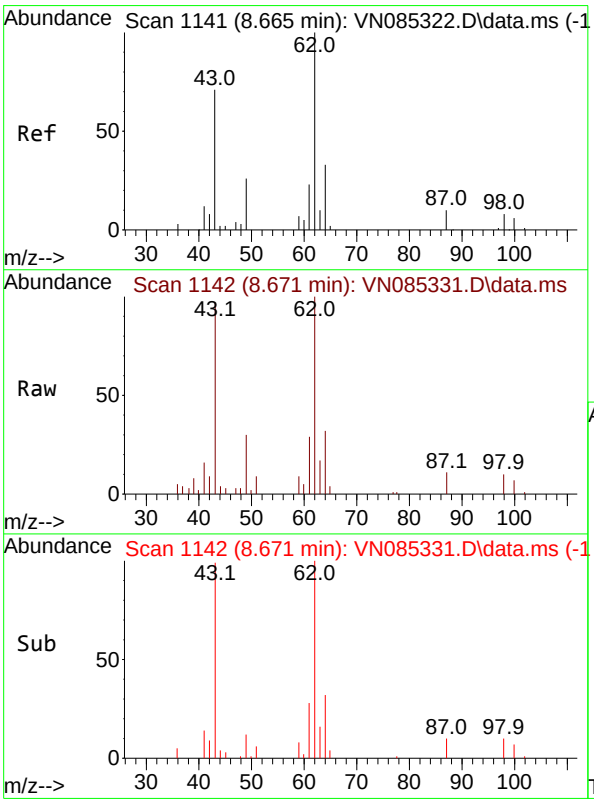
#41
Methacrylonitrile
Concen: 20.971 ug/l
RT: 7.777 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 41 Resp: 25169

Ion	Ratio	Lower	Upper
41	100		
39	57.1	45.8	68.8
67	75.1	57.1	85.7
52	31.9	25.1	37.7

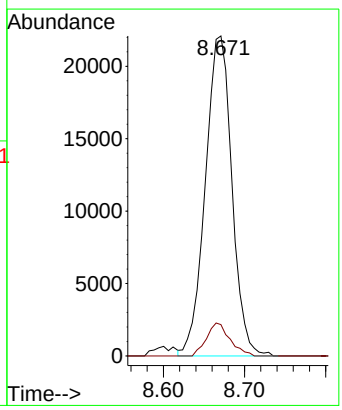


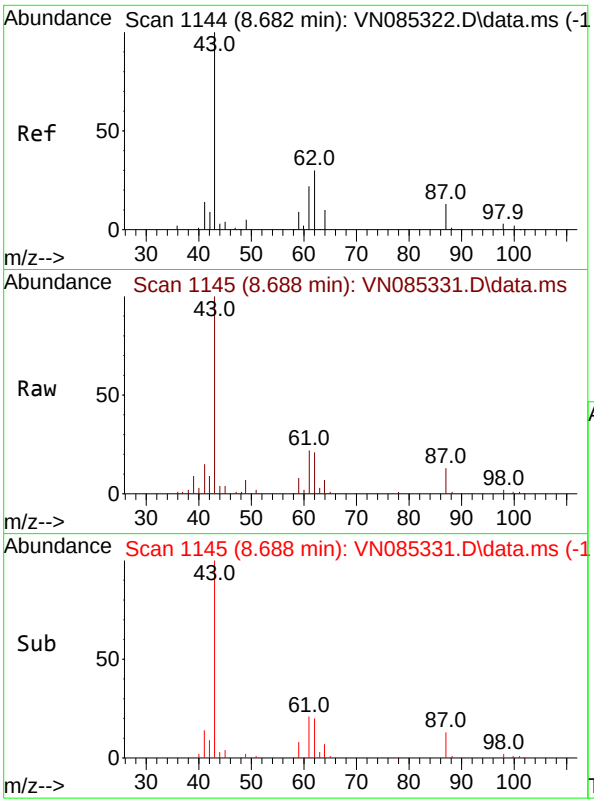


#42
1,2-Dichloroethane
Concen: 19.684 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 62 Resp: 50307

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.6



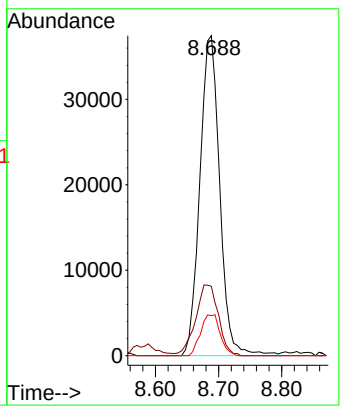


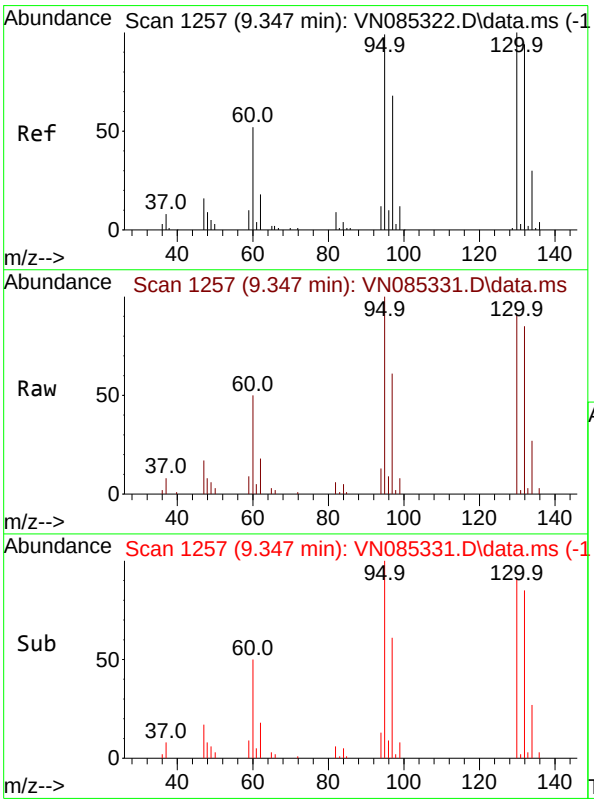
#43
Isopropyl Acetate
Concen: 21.225 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 81902

Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.8	31.2
87	12.6	10.2	15.4

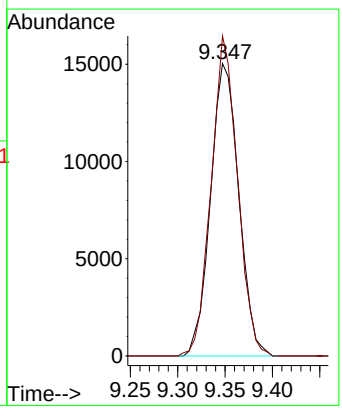


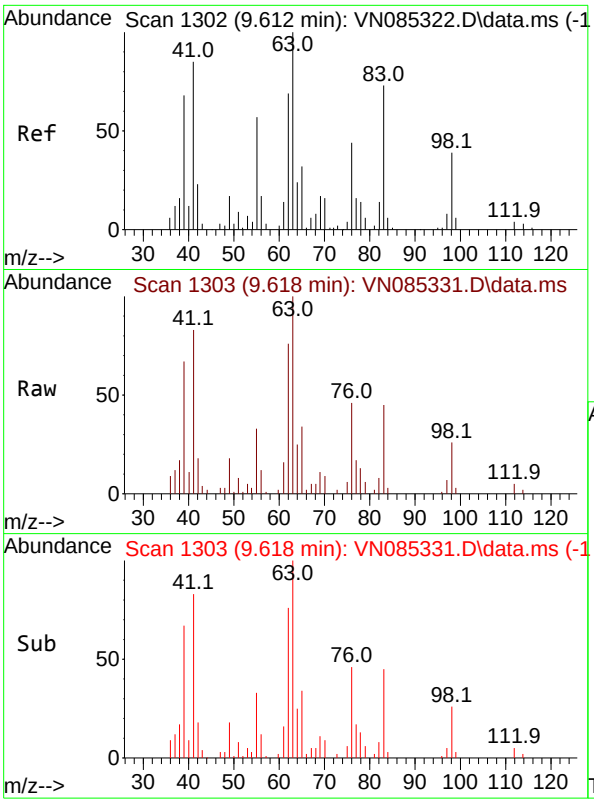


#44
Trichloroethene
Concen: 18.479 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:130 Resp: 31187

Ion	Ratio	Lower	Upper
130	100		
95	109.4	0.0	197.8



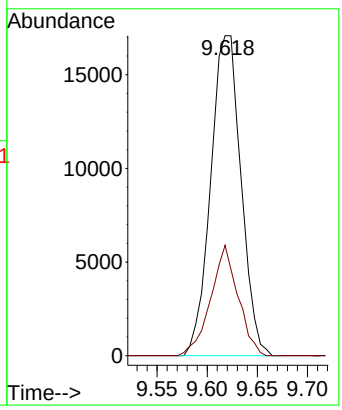


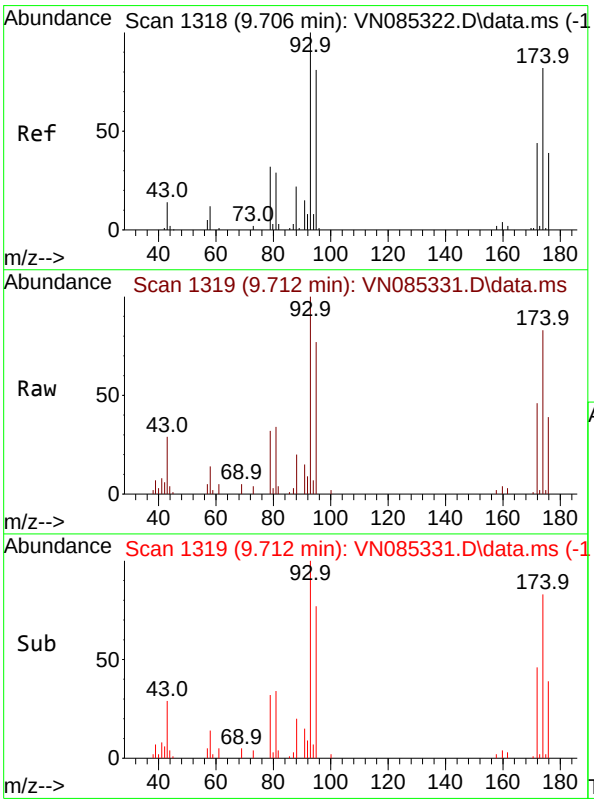
#45
1,2-Dichloropropane
Concen: 19.896 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 63 Resp: 36004

Ion	Ratio	Lower	Upper
63	100		
65	34.5	25.5	38.3

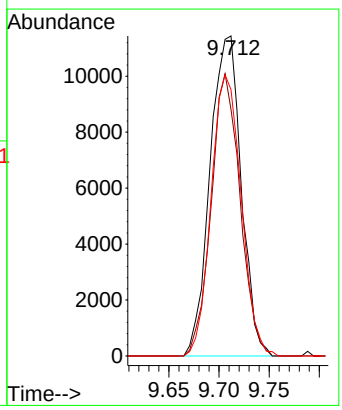


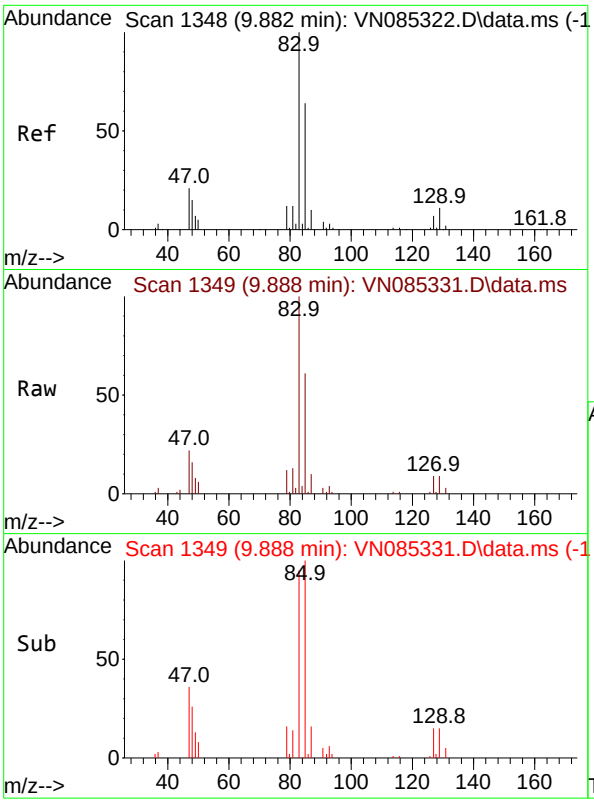


#46
Dibromomethane
Concen: 19.639 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 93 Resp: 24716

Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.3	97.9
174	84.8	66.4	99.6



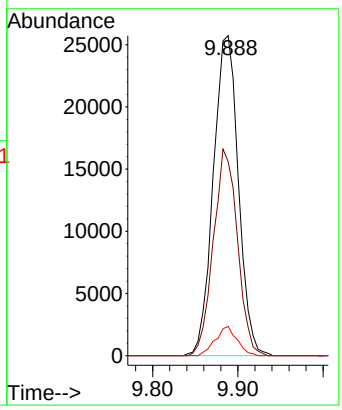


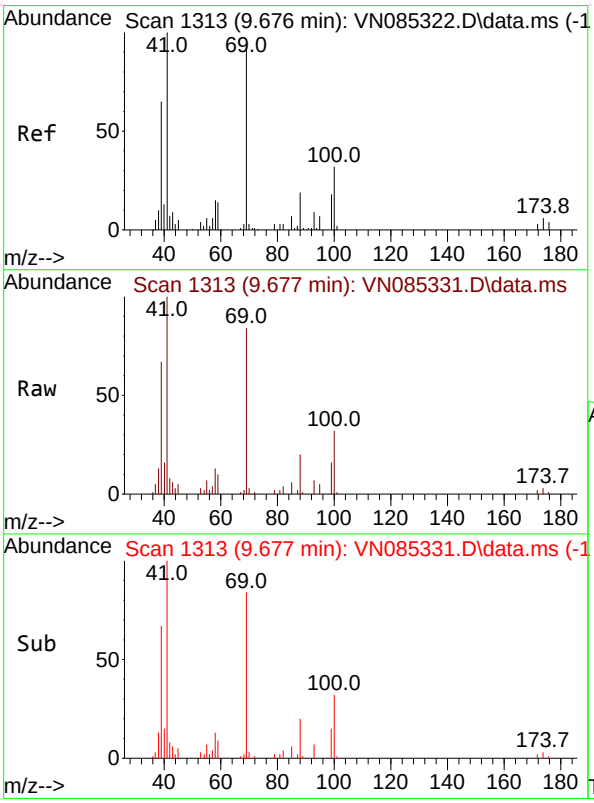
#47
Bromodichloromethane
Concen: 20.090 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 83 Resp: 52551

Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.0	76.4
127	9.2	5.8	8.6#

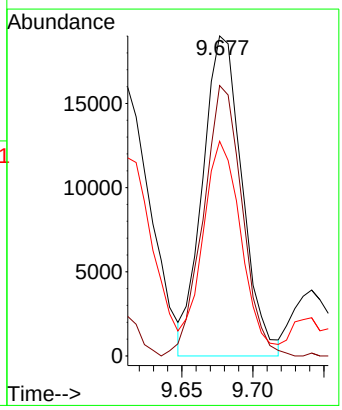


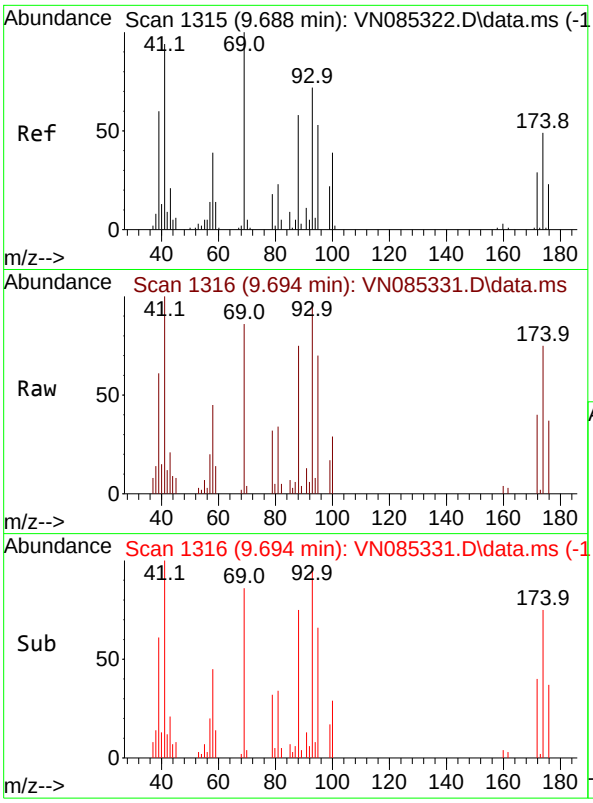


#48
Methyl methacrylate
Concen: 21.968 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 41 Resp: 36782

Ion	Ratio	Lower	Upper
41	100		
69	83.0	67.7	101.5
39	66.1	51.2	76.8



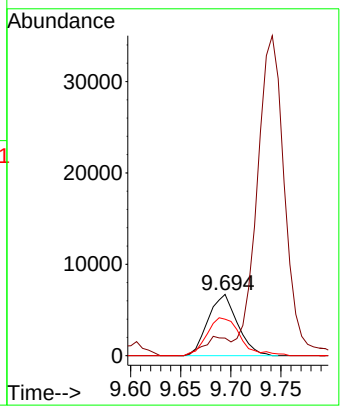


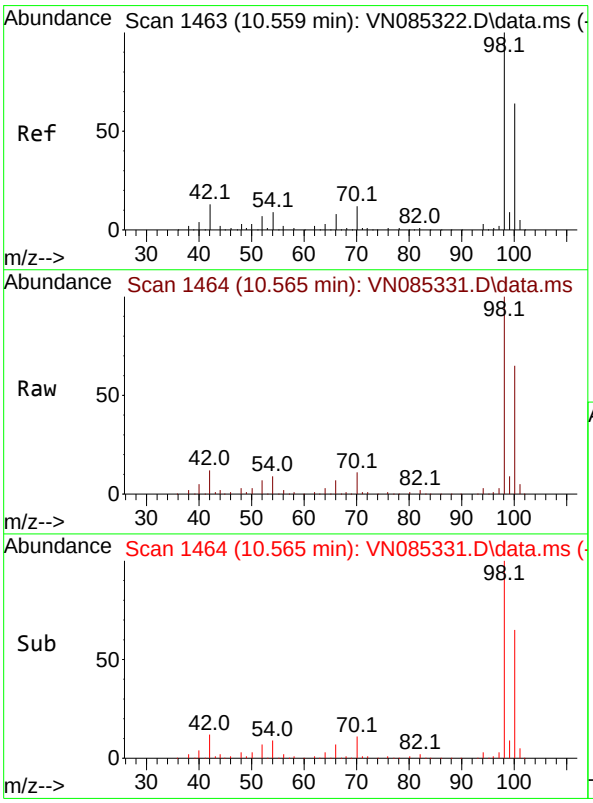
#49
1,4-Dioxane
Concen: 541.163 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 88 Resp: 13671

Ion	Ratio	Lower	Upper
88	100		
43	27.1	22.1	33.1
58	70.4	56.7	85.1

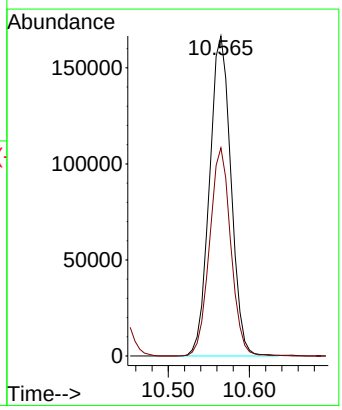


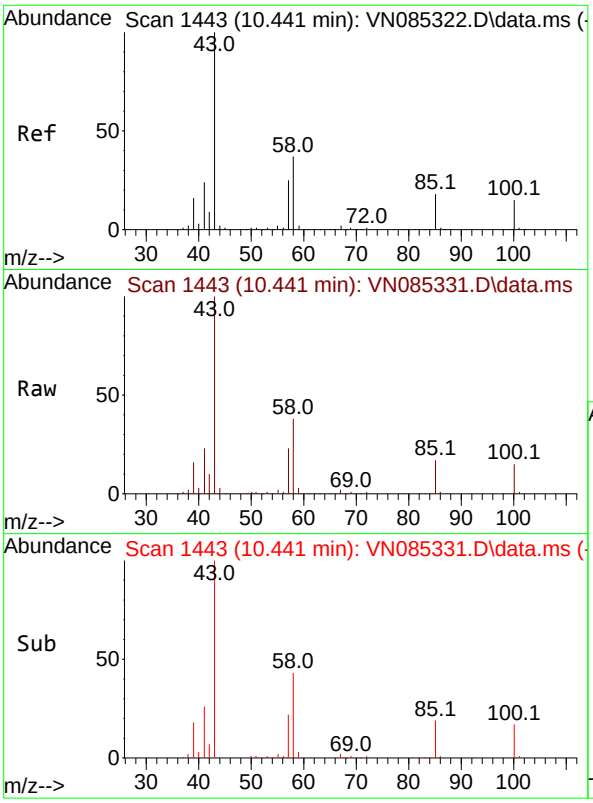


#50
Toluene-d8
Concen: 51.858 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 98 Resp: 306433

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3



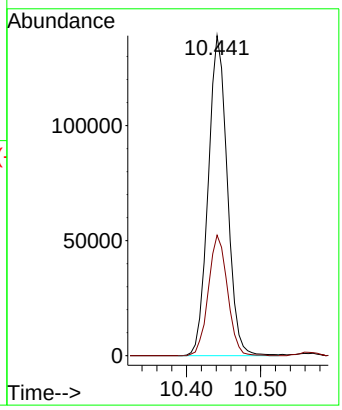


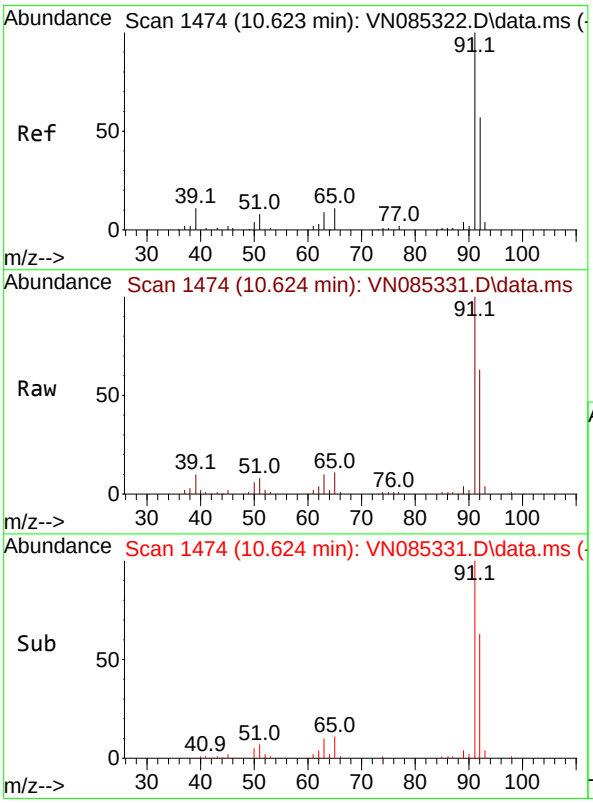
#51
4-Methyl-2-Pentanone
Concen: 114.650 ug/l
RT: 10.441 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 248614

Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.3	45.5

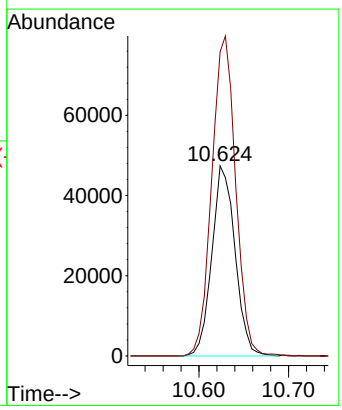


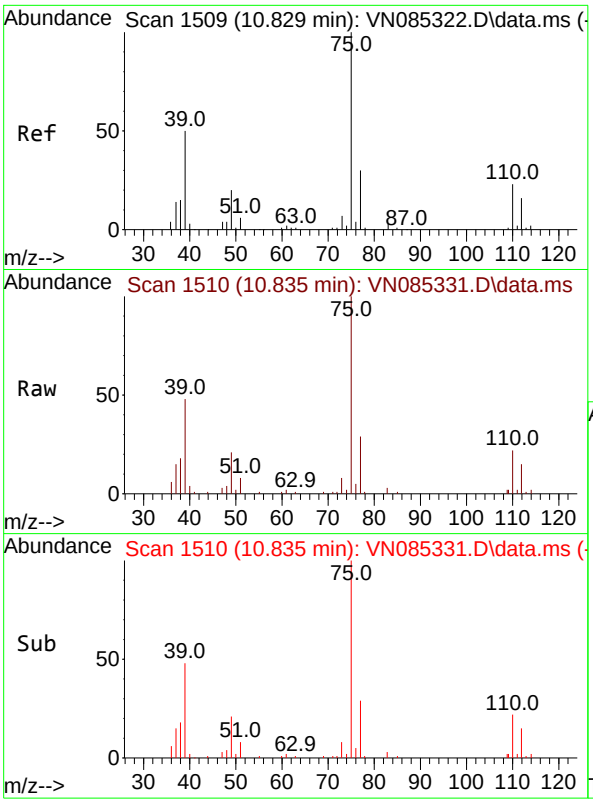


#52
Toluene
Concen: 20.033 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 92 Resp: 85029

Ion	Ratio	Lower	Upper
92	100		
91	173.5	140.2	210.4



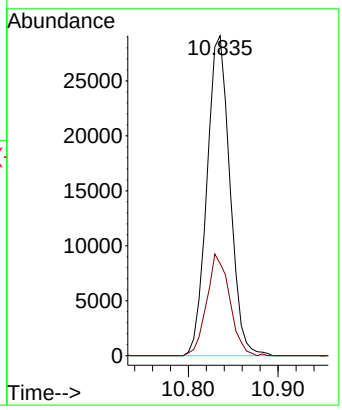


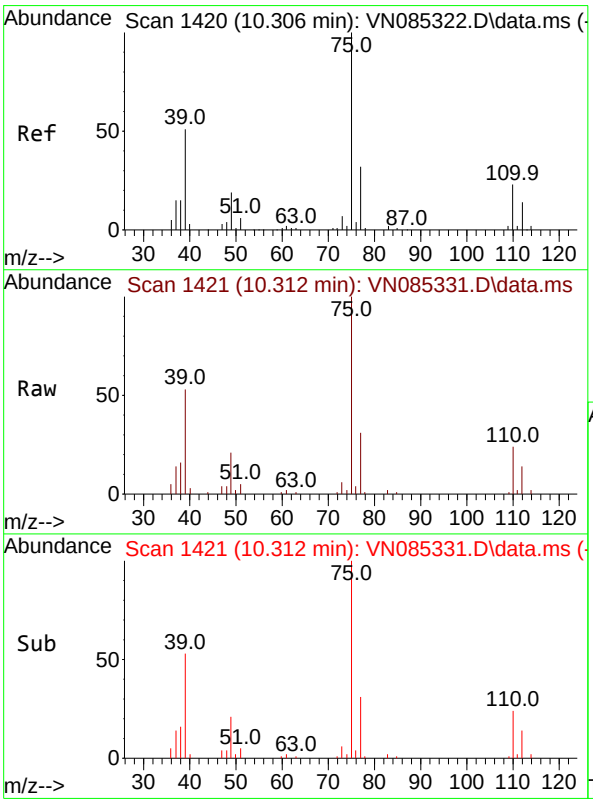
#53
t-1,3-Dichloropropene
Concen: 20.101 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 75 Resp: 51708

Ion	Ratio	Lower	Upper
75	100		
77	28.8	23.8	35.6

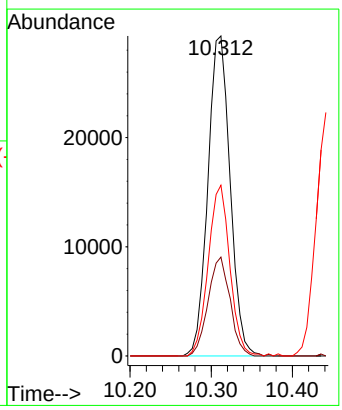


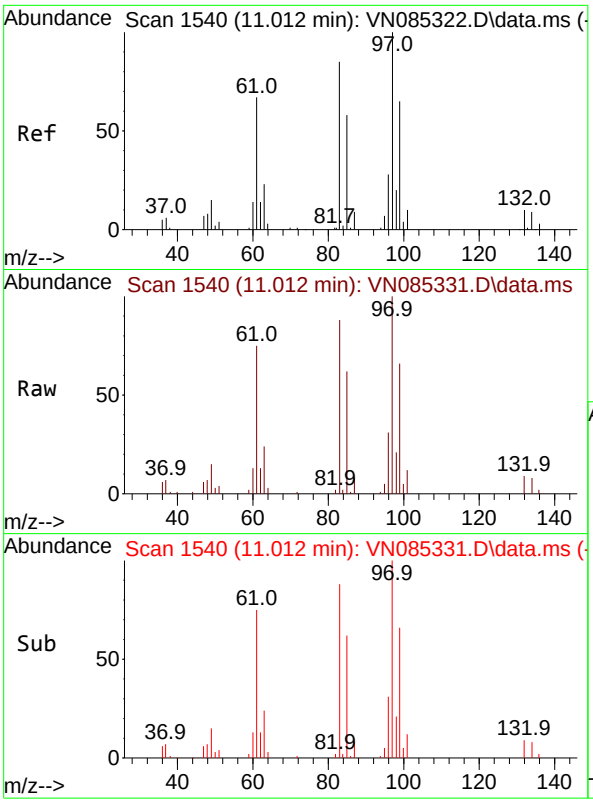


#54
cis-1,3-Dichloropropene
Concen: 20.042 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 55748

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.5	38.3
39	53.3	40.5	60.7



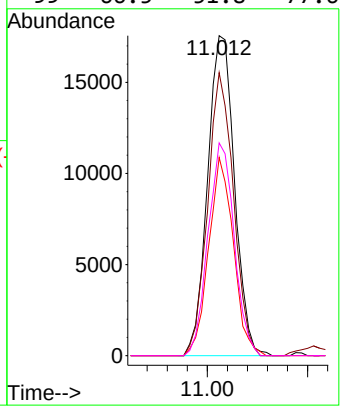


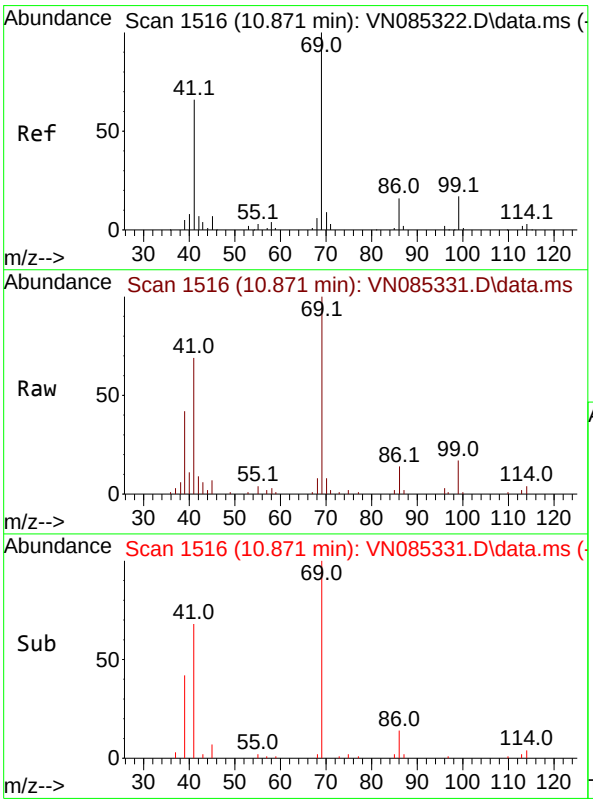
#55
1,1,2-Trichloroethane
Concen: 20.437 ug/l
RT: 11.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 97 Resp: 32750

Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.7	101.5
85	62.0	46.2	69.4
99	66.5	51.8	77.6

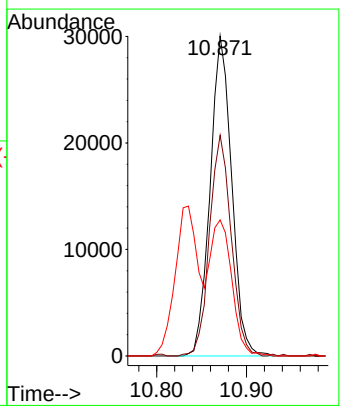


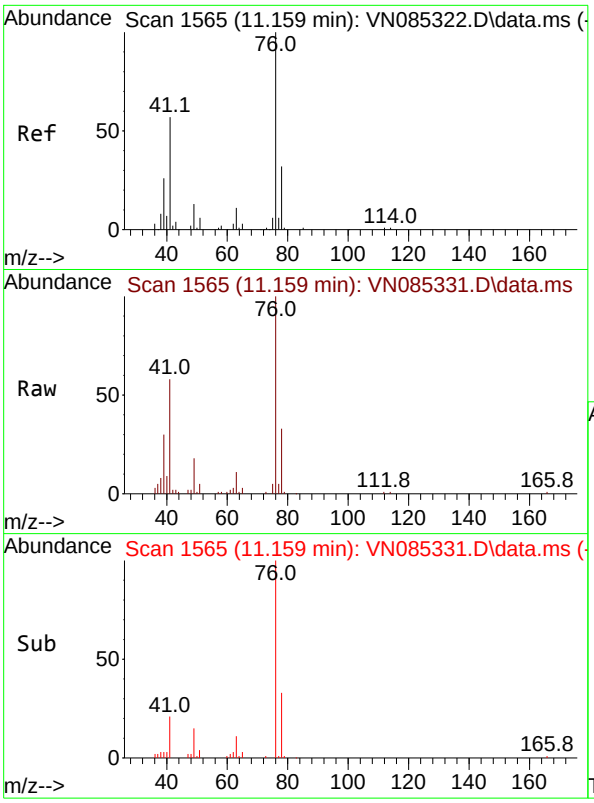


#56
Ethyl methacrylate
Concen: 21.484 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 69 Resp: 50141

Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.3	81.5
39	42.8	32.0	48.0



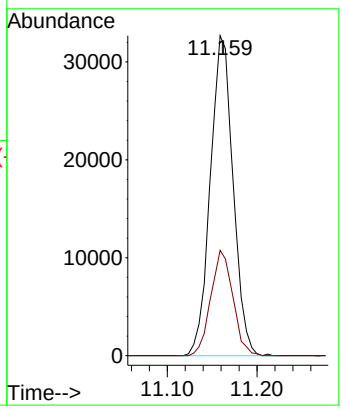


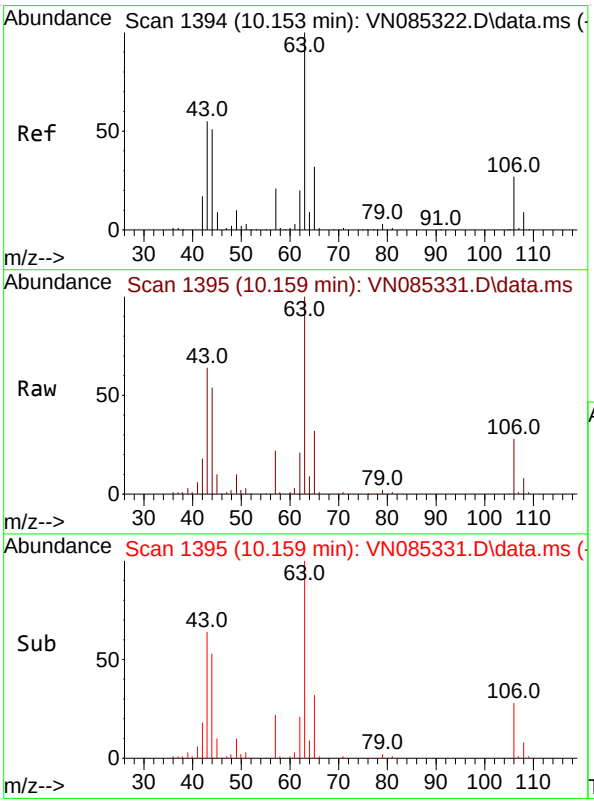
#57
1,3-Dichloropropane
Concen: 20.463 ug/l
RT: 11.159 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 76 Resp: 57554

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

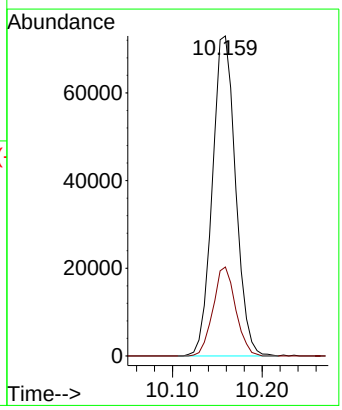


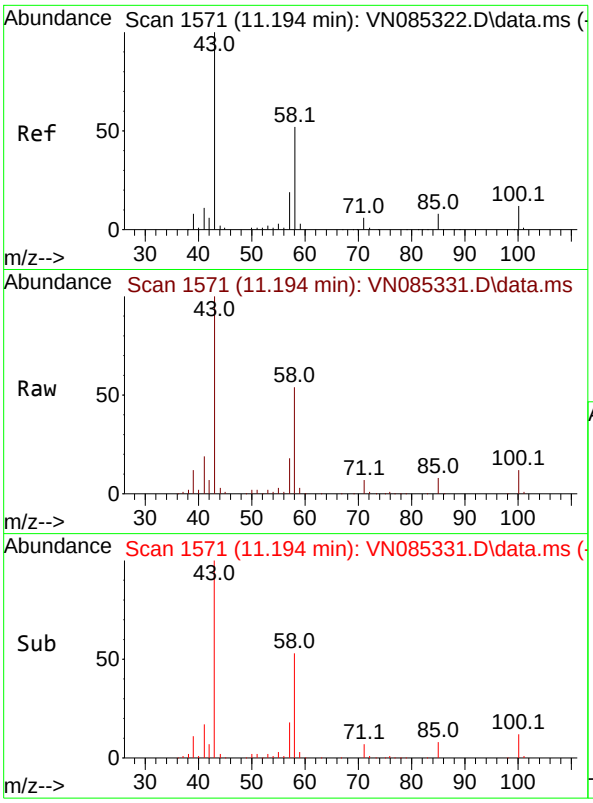


#58
2-Chloroethyl Vinyl ether
Concen: 116.170 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 63 Resp: 131176

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1



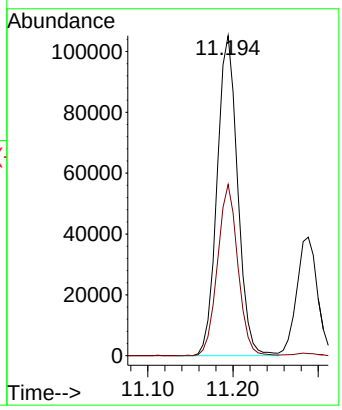


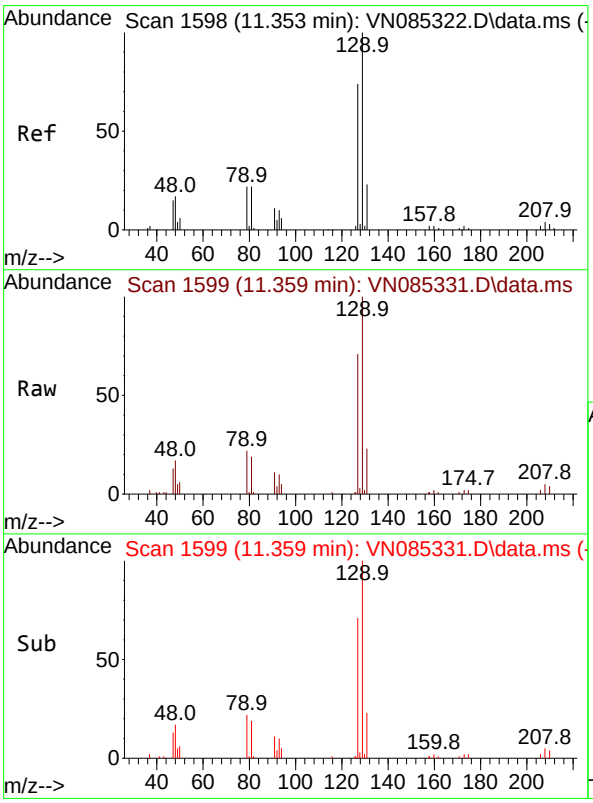
#59
2-Hexanone
Concen: 117.338 ug/l
RT: 11.194 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 43 Resp: 176533

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5

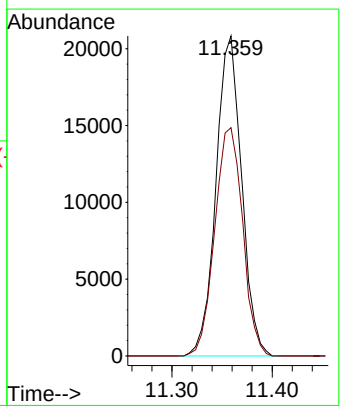


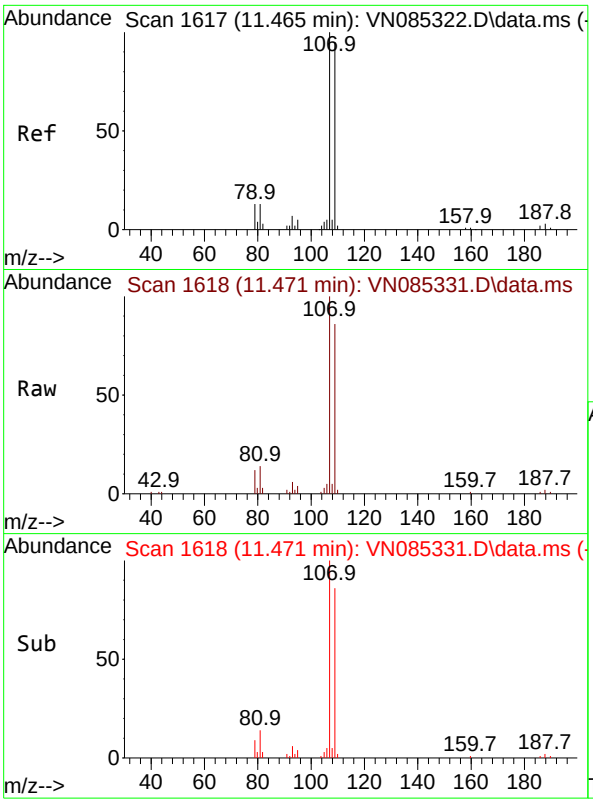


#60
Dibromochloromethane
Concen: 20.483 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:129 Resp: 36970

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.3	114.9



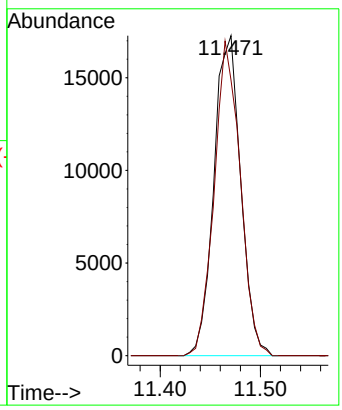


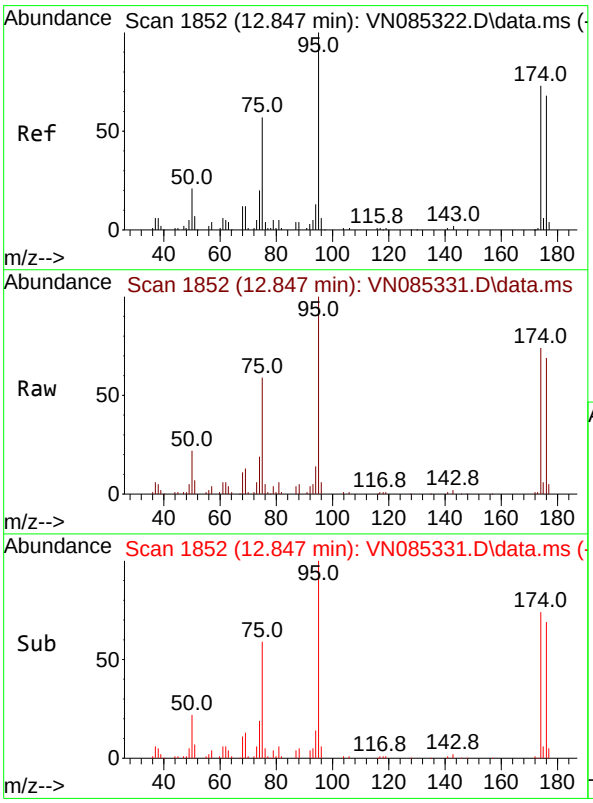
#61
1,2-Dibromoethane
Concen: 20.237 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:107 Resp: 32084

Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.9	112.3

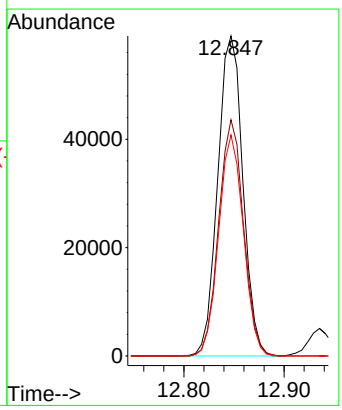


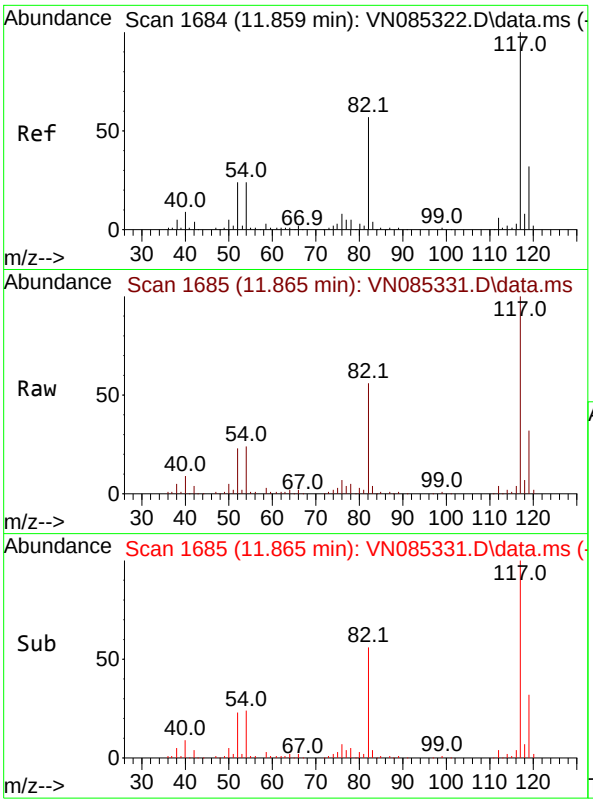


#62
4-Bromofluorobenzene
Concen: 52.322 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 95 Resp: 102680

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	143.2
176	68.1	0.0	135.8



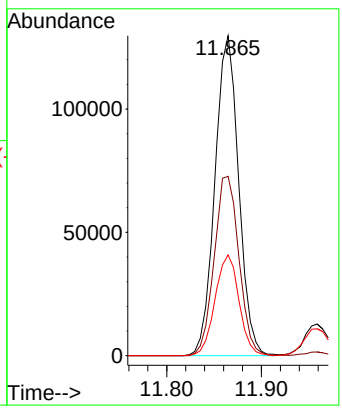


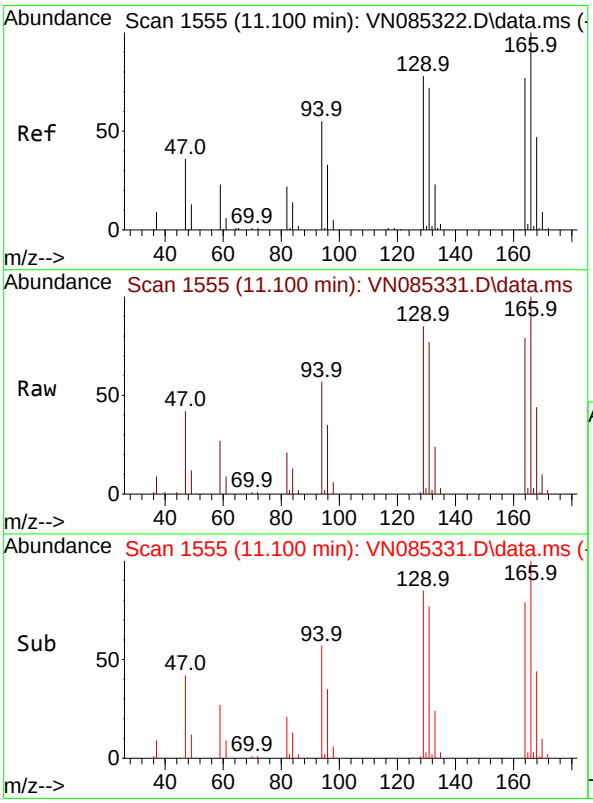
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:117 Resp: 226359

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.7	68.5
119	31.5	25.8	38.8

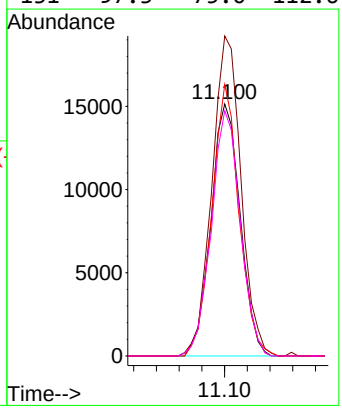


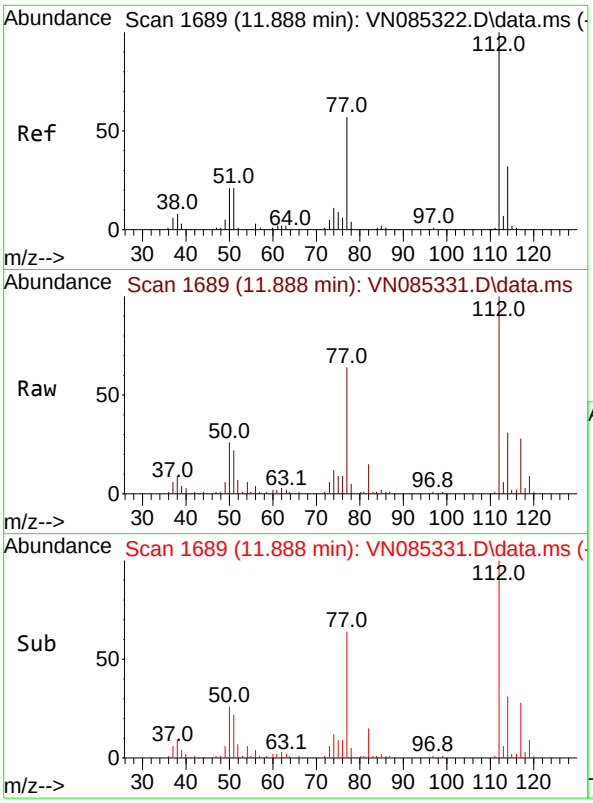


#64
Tetrachloroethene
Concen: 18.911 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:164 Resp: 27124

Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.0	156.0
129	107.7	81.3	121.9
131	97.3	75.0	112.6



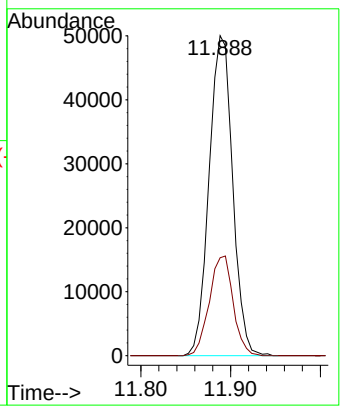


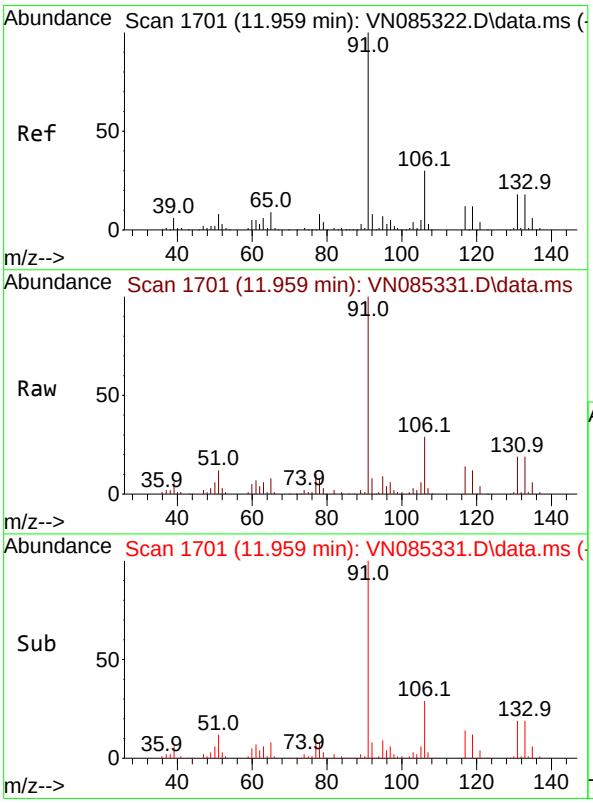
#65
Chlorobenzene
Concen: 18.629 ug/l
RT: 11.888 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:112 Resp: 91123

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.2	37.8

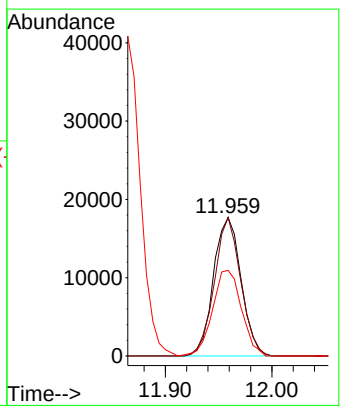


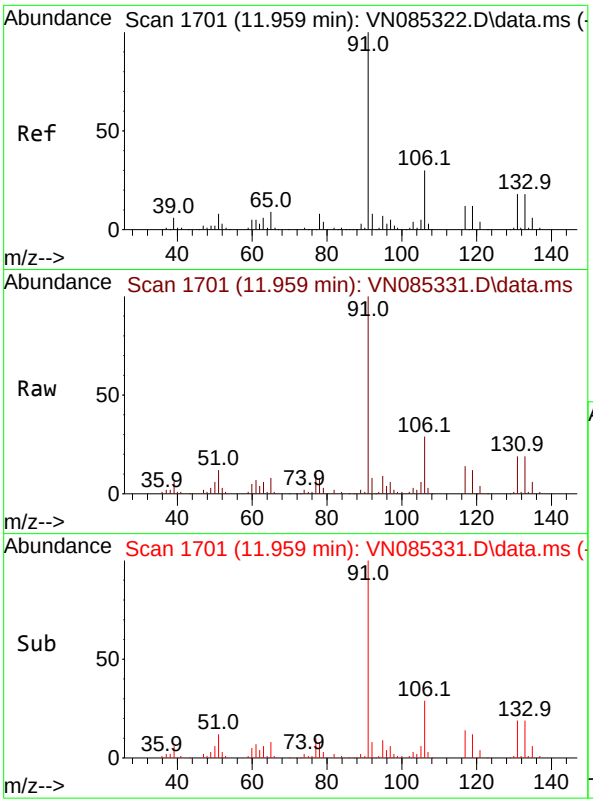


#66
1,1,1,2-Tetrachloroethane
Concen: 19.325 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:131 Resp: 31726

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.3	144.9
119	65.0	33.4	100.1



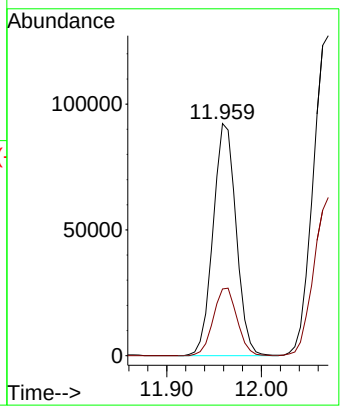


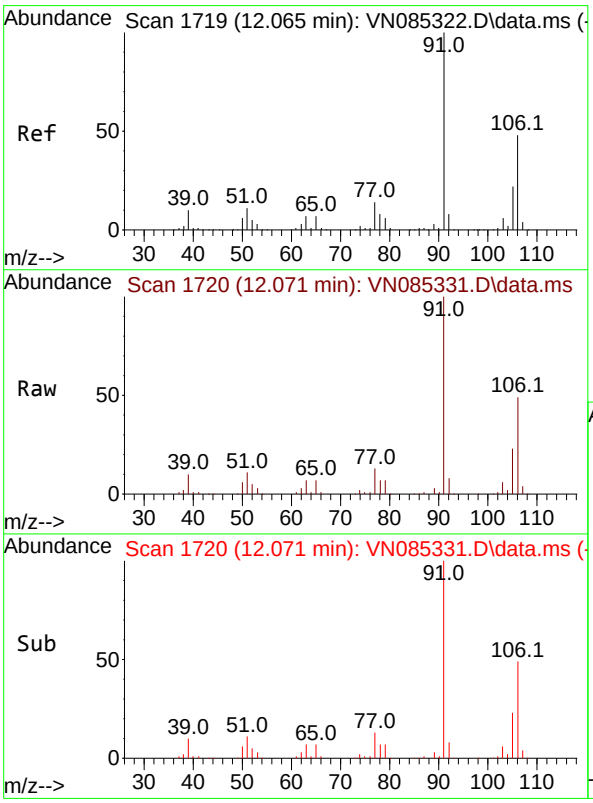
#67
Ethyl Benzene
Concen: 19.184 ug/l
RT: 11.959 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 91 Resp: 156061

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.0	36.0

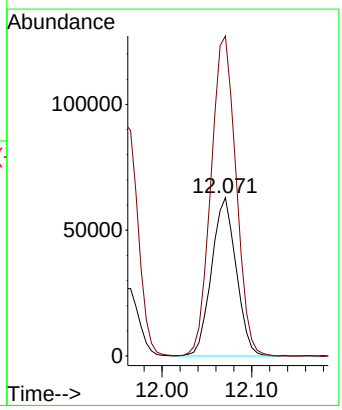


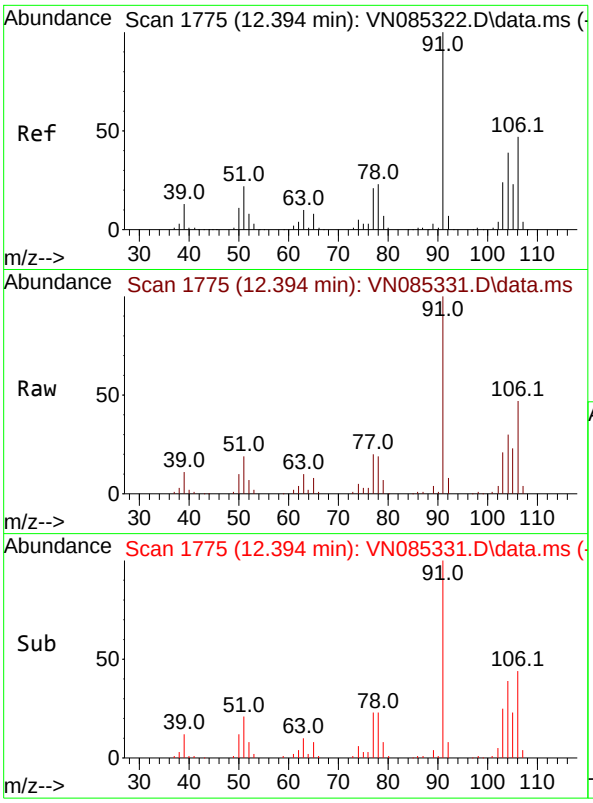


#68
m/p-Xylenes
Concen: 40.244 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:106 Resp: 119809

Ion	Ratio	Lower	Upper
106	100		
91	206.3	165.2	247.8



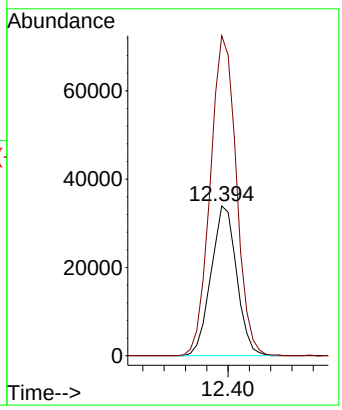


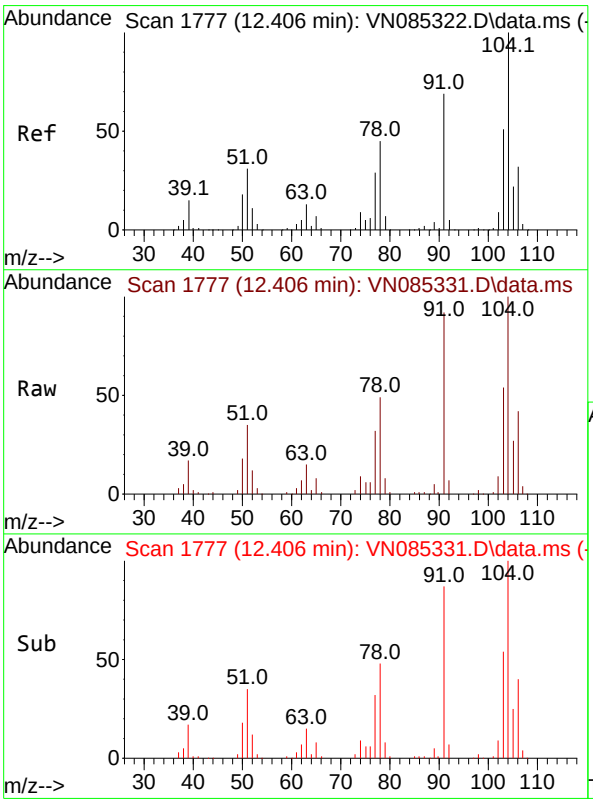
#69
o-Xylene
Concen: 19.624 ug/l
RT: 12.394 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:106 Resp: 56516

Ion	Ratio	Lower	Upper
106	100		
91	217.4	107.3	321.8

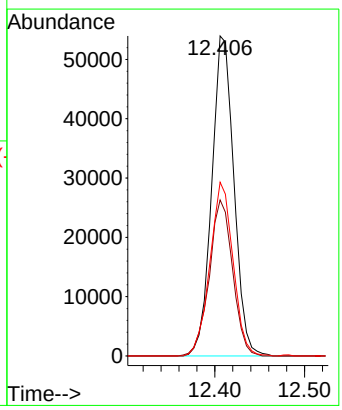


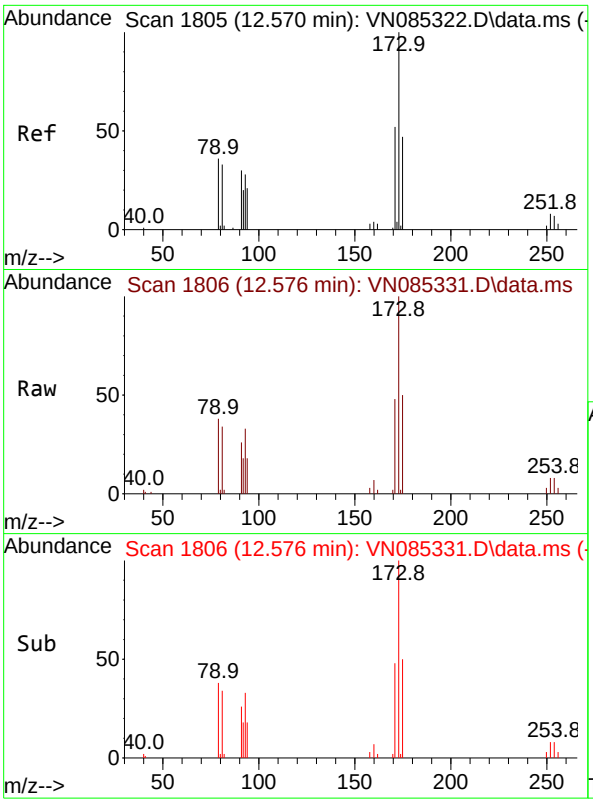


#70
Styrene
Concen: 19.853 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:104 Resp: 92662

Ion	Ratio	Lower	Upper
104	100		
78	51.3	40.7	61.1
103	56.6	44.1	66.1



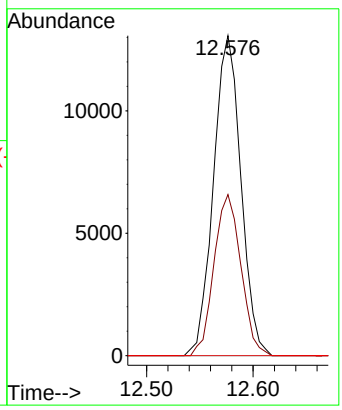


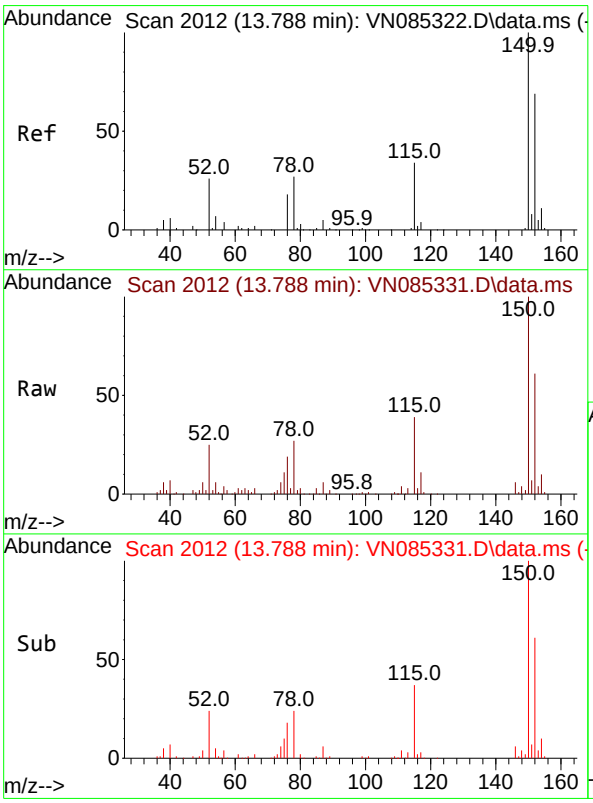
#71
Bromoform
Concen: 20.552 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:173 Resp: 23369

Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0

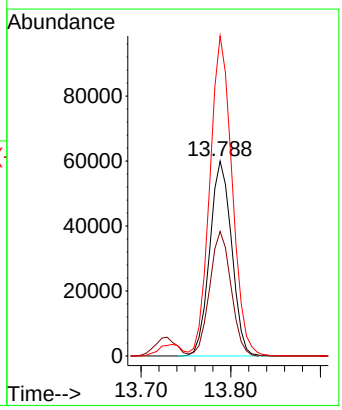


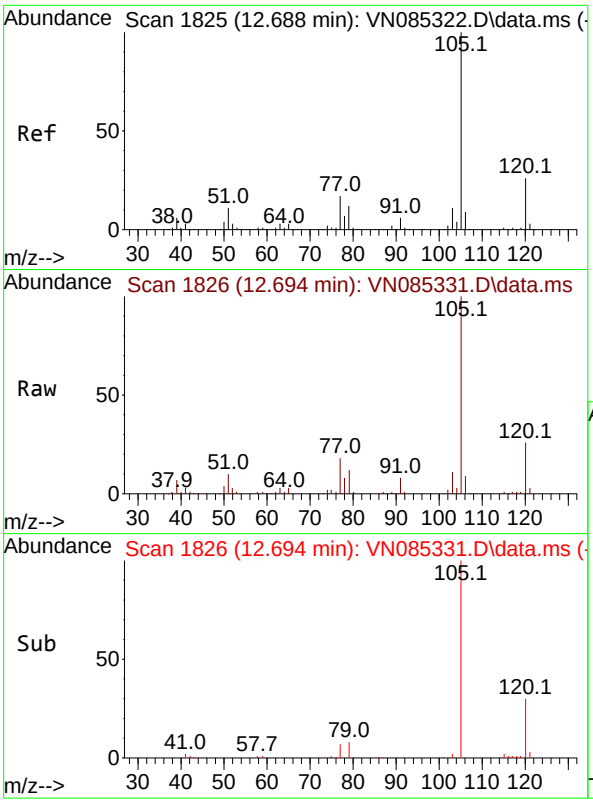


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:152 Resp: 101437

Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.3
150	167.2	0.0	345.0



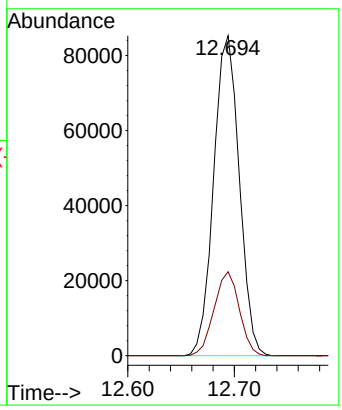


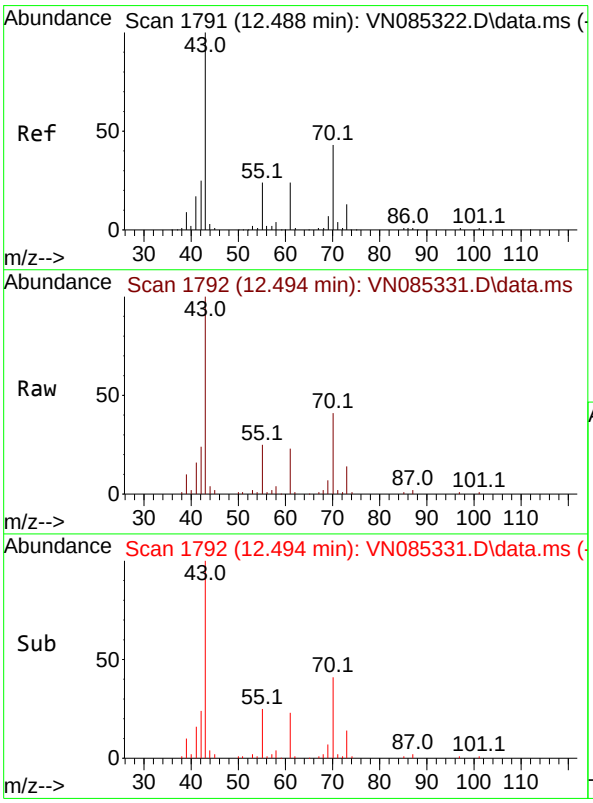
#73
Isopropylbenzene
Concen: 19.493 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:105 Resp: 142191

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.6

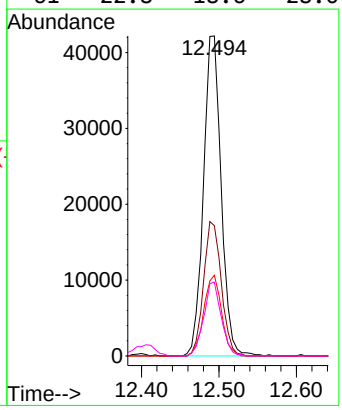


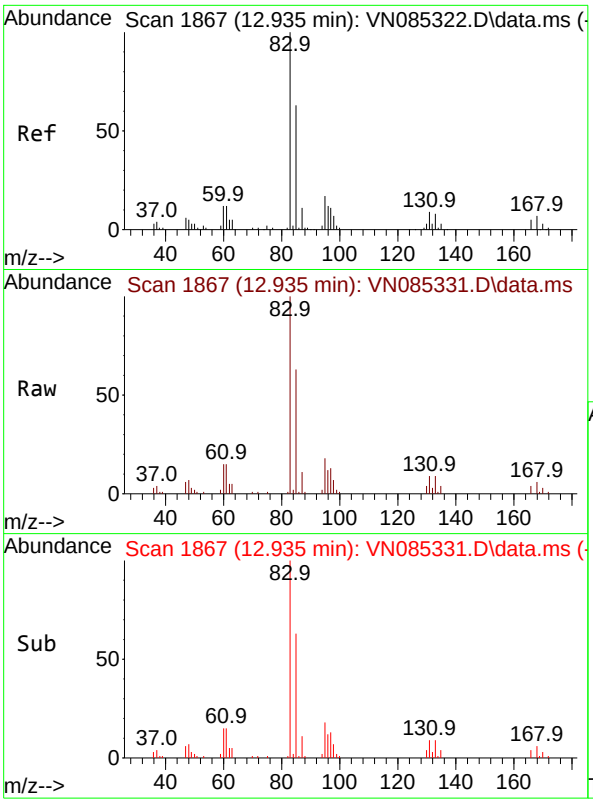


#74
N-amyl acetate
Concen: 21.434 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 43 Resp: 66923

Ion	Ratio	Lower	Upper
43	100		
70	42.1	33.4	50.0
55	25.4	19.2	28.8
61	22.8	18.6	28.0



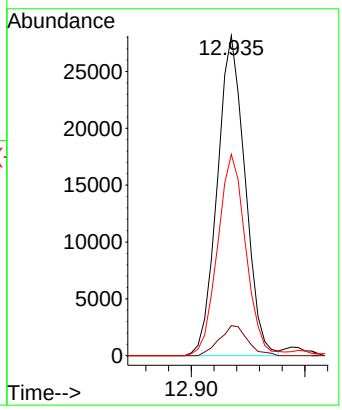


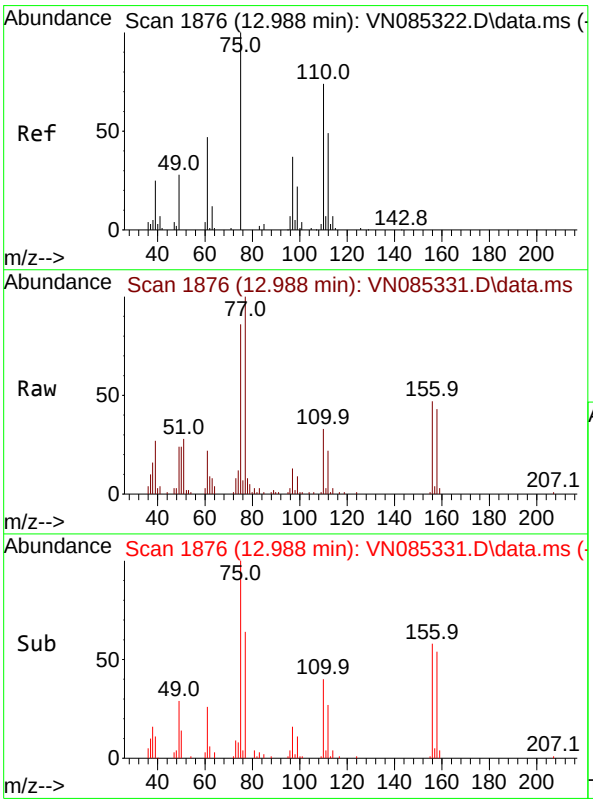
#75
1,1,2,2-Tetrachloroethane
Concen: 20.569 ug/l
RT: 12.935 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 83 Resp: 47785

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	63.9	32.6	98.0

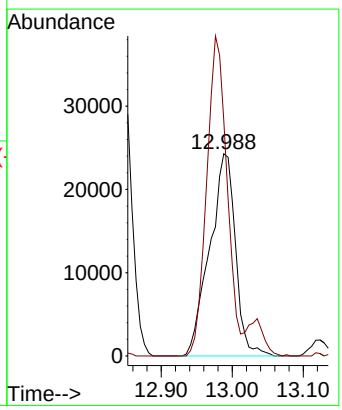


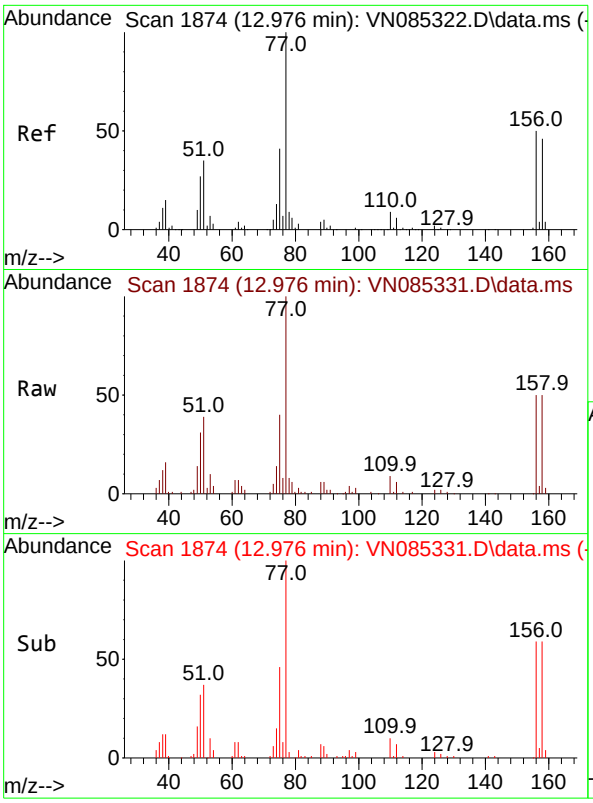


#76
1,2,3-Trichloropropane
Concen: 32.301 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 61185

Ion	Ratio	Lower	Upper
75	100		
77	125.9	98.1	294.3



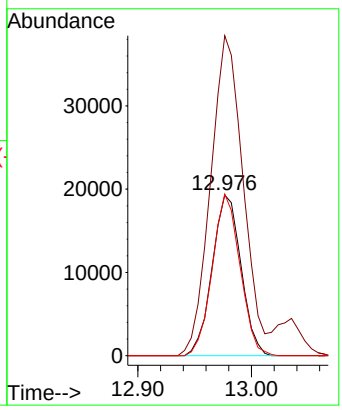


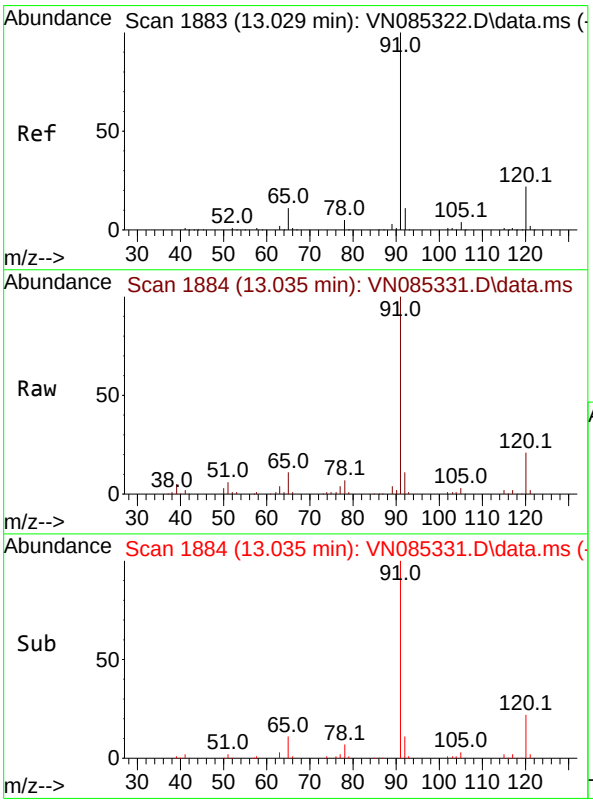
#77
Bromobenzene
Concen: 18.850 ug/l
RT: 12.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:156 Resp: 34066

Ion	Ratio	Lower	Upper
156	100		
77	226.2	114.0	342.0
158	96.7	47.6	142.8

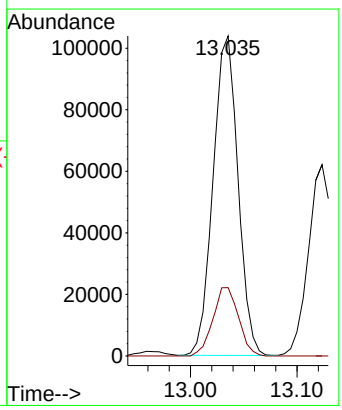


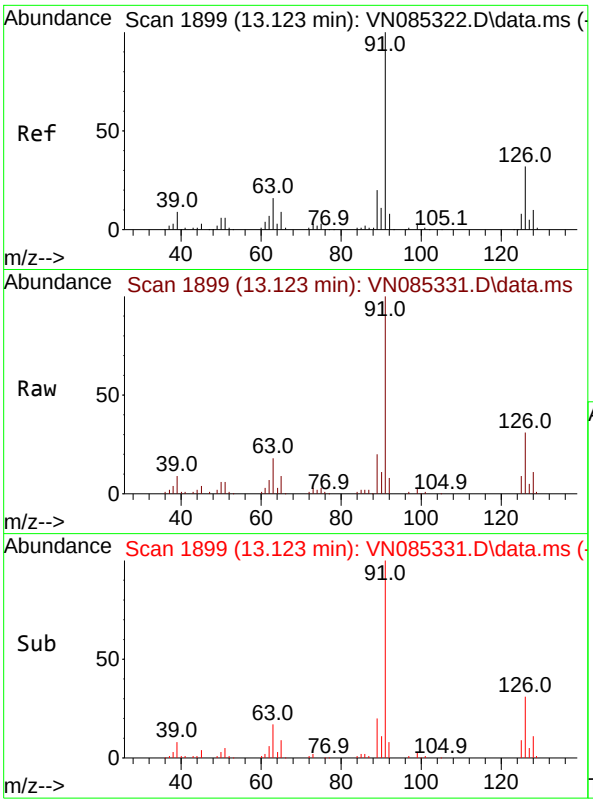


#78
n-propylbenzene
Concen: 19.828 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 168593

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9



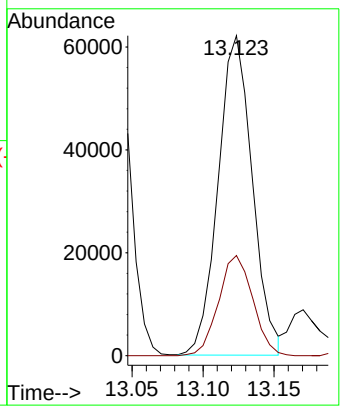


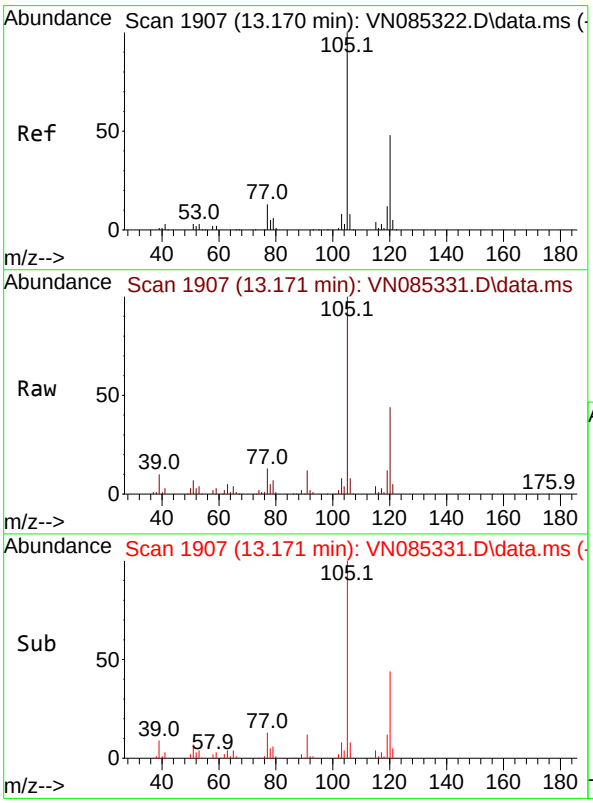
#79
2-Chlorotoluene
Concen: 19.449 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 91 Resp: 104075

Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.0	48.0

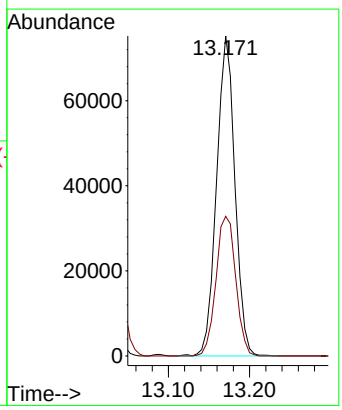


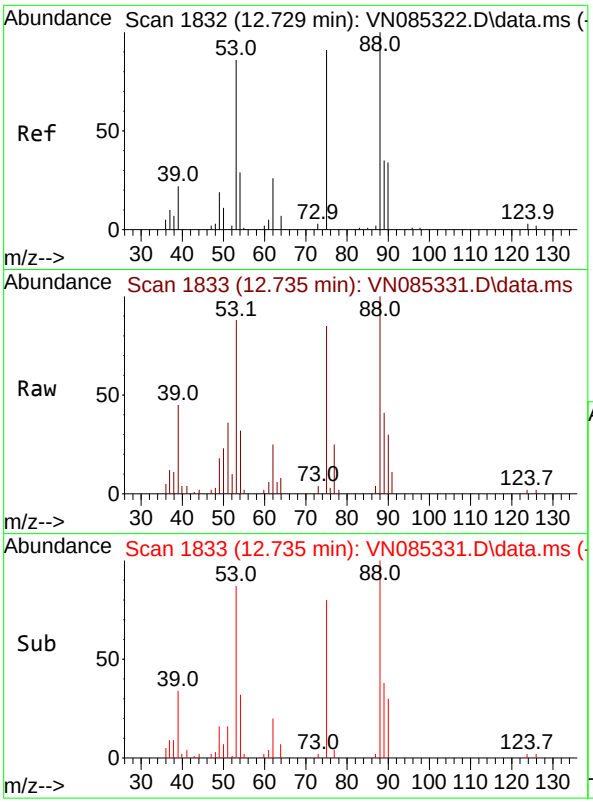


#80
1,3,5-Trimethylbenzene
Concen: 19.994 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 117966

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.0	72.0



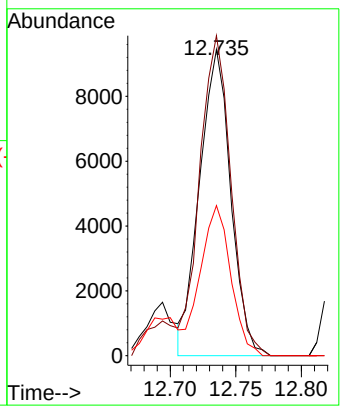


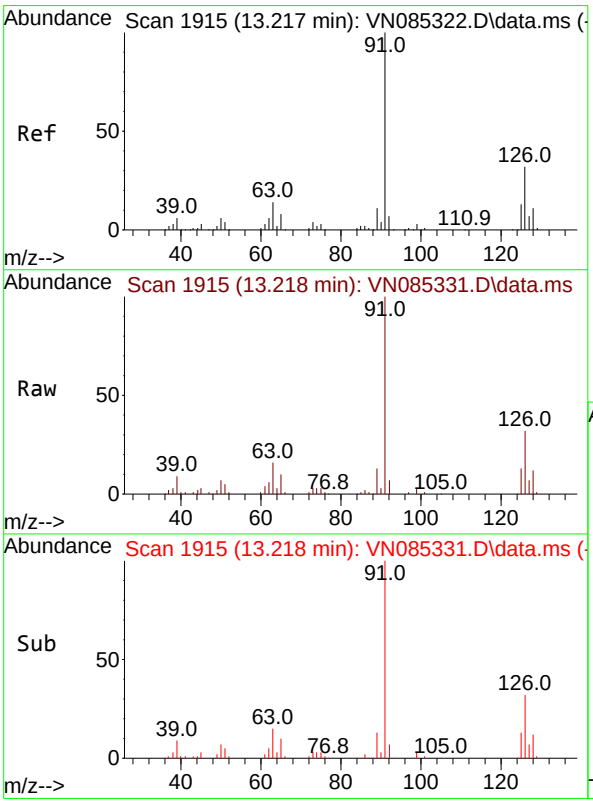
#81
trans-1,4-Dichloro-2-butene
Concen: 19.730 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 75 Resp: 15606

Ion	Ratio	Lower	Upper
75	100		
53	115.8	80.0	120.0
89	48.6	35.8	53.8

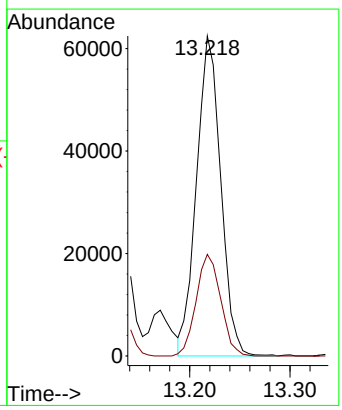


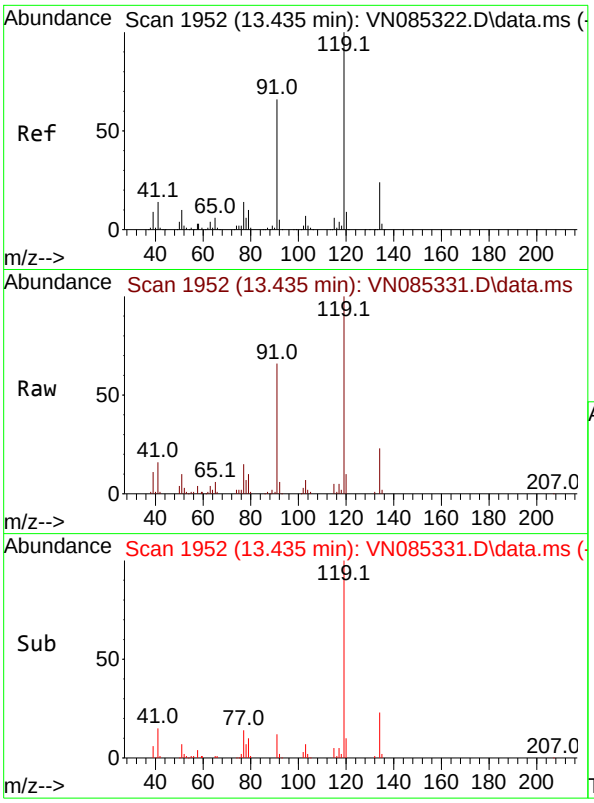


#82
4-Chlorotoluene
Concen: 19.496 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 91 Resp: 105071

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4



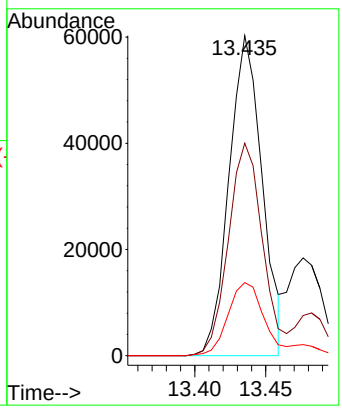


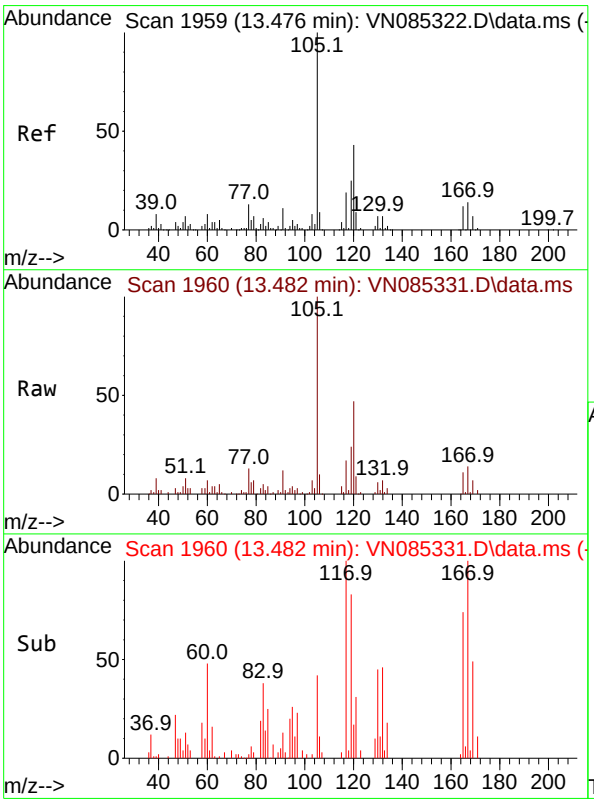
#83
tert-Butylbenzene
Concen: 19.128 ug/l
RT: 13.435 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:119 Resp: 97764

Ion	Ratio	Lower	Upper
119	100		
91	68.9	33.6	100.8
134	24.6	13.3	39.8

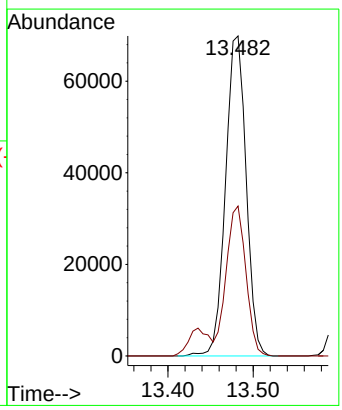


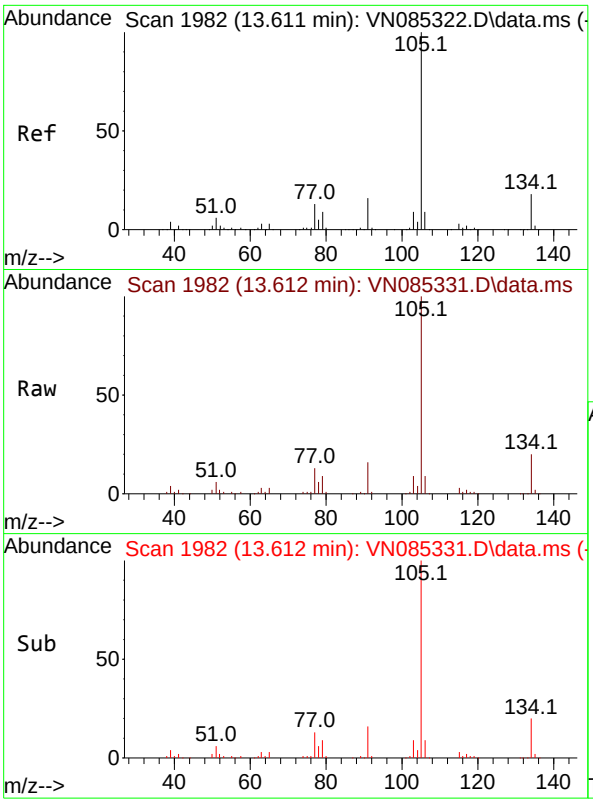


#84
1,2,4-Trimethylbenzene
Concen: 19.968 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:105 Resp: 117310

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.7	65.1



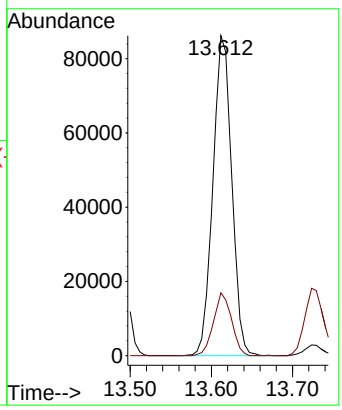


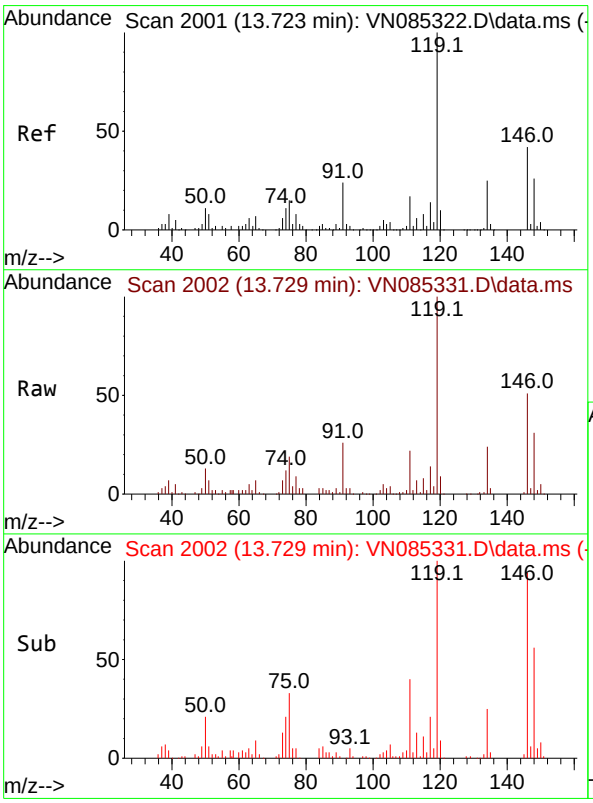
#85
sec-Butylbenzene
Concen: 19.588 ug/l
RT: 13.612 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:105 Resp: 138962

Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.4	28.3

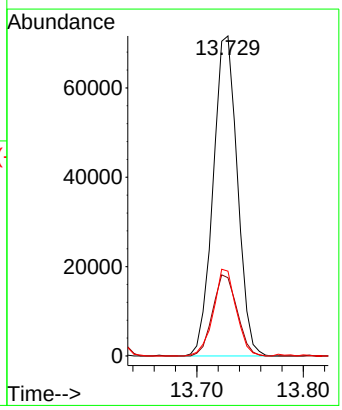


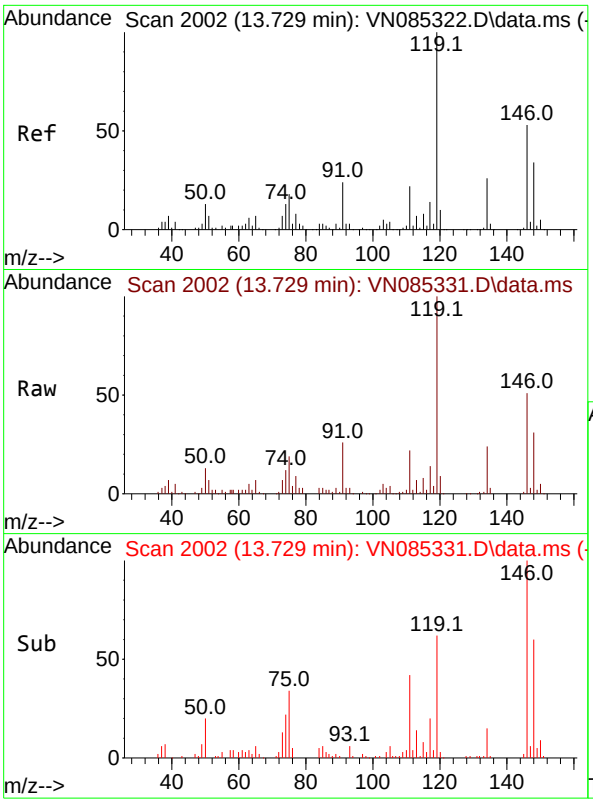


#86
p-Isopropyltoluene
Concen: 18.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:119 Resp: 113227

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	25.5	12.2	36.4



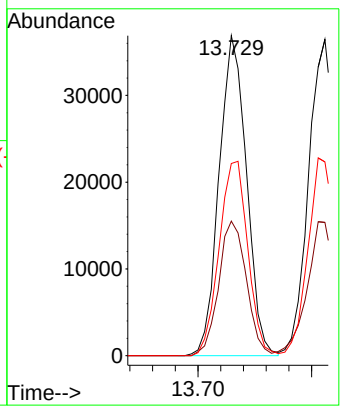


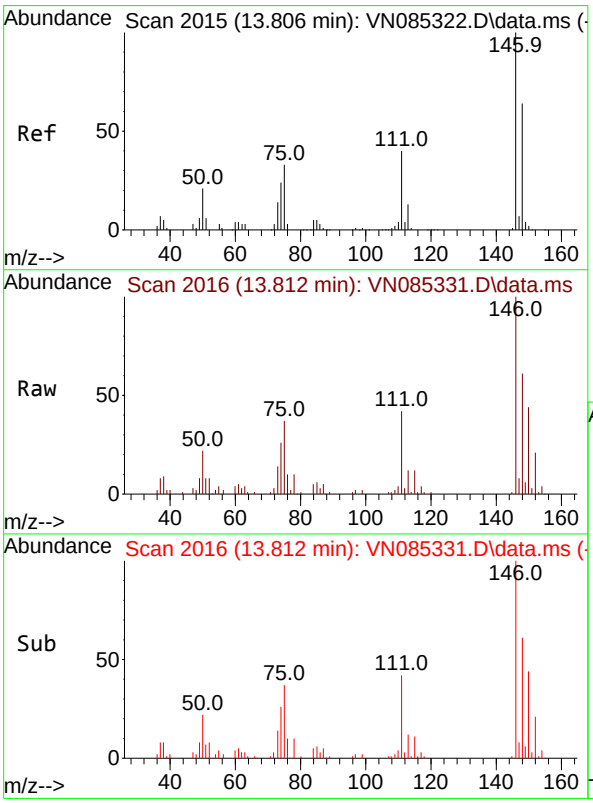
#87
1,3-Dichlorobenzene
Concen: 18.865 ug/l
RT: 13.729 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:146 Resp: 61805

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.9
148	63.6	31.5	94.5

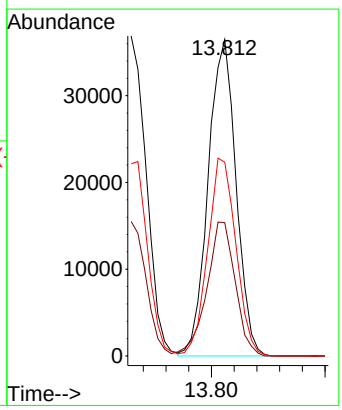


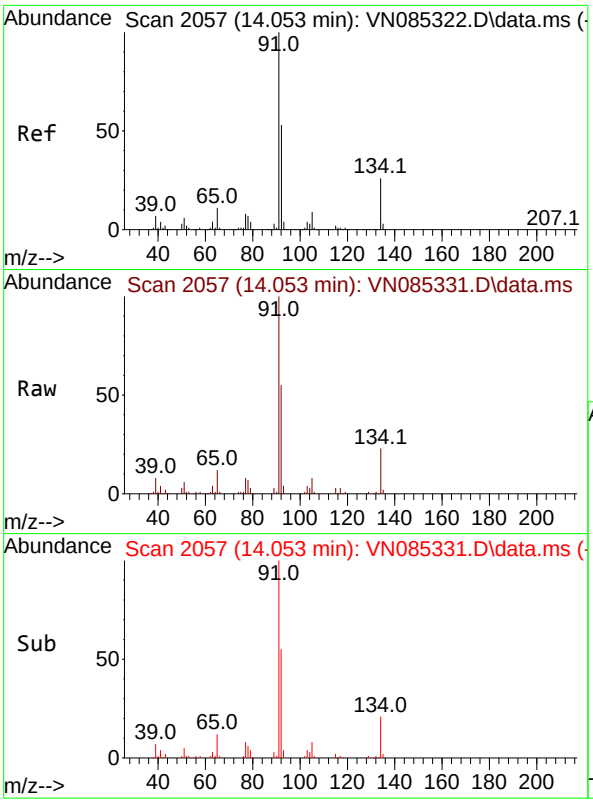


#88
1,4-Dichlorobenzene
Concen: 18.466 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:146 Resp: 62145

Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.8	62.5
148	63.3	31.7	95.1



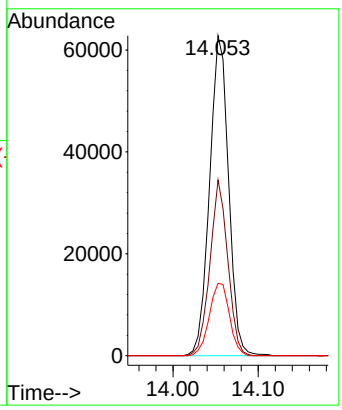


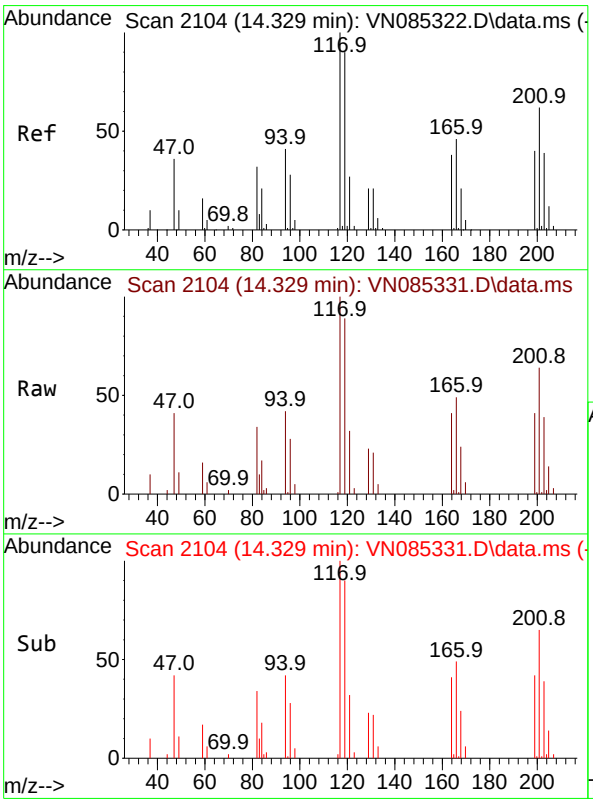
#89
n-Butylbenzene
Concen: 18.690 ug/l
RT: 14.053 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion: 91 Resp: 97095

Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	24.0	12.1	36.3

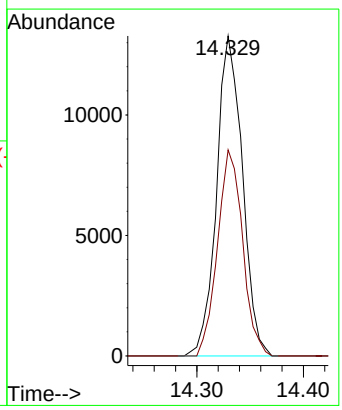


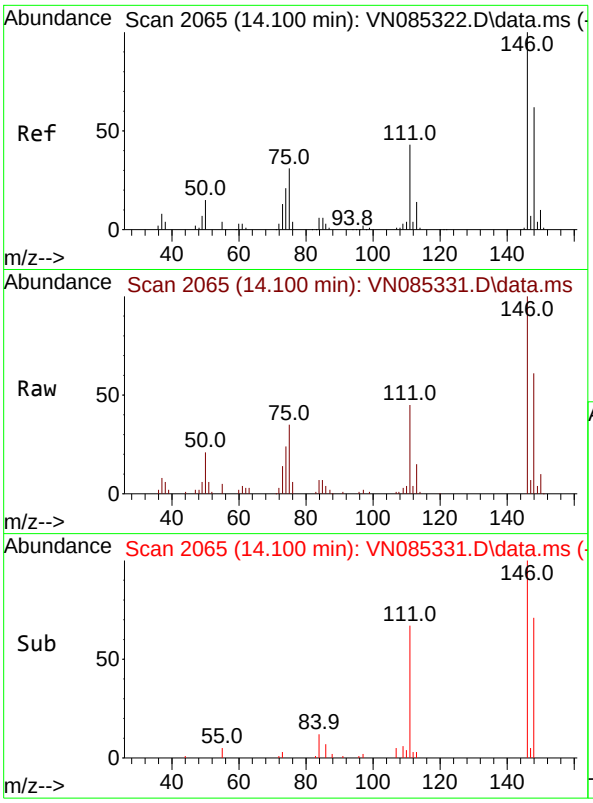


#90
Hexachloroethane
Concen: 19.213 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:117 Resp: 22343

Ion	Ratio	Lower	Upper
117	100		
201	62.6	30.7	92.1



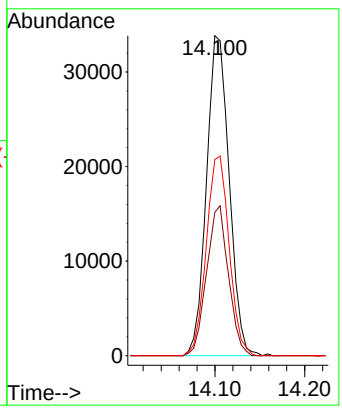


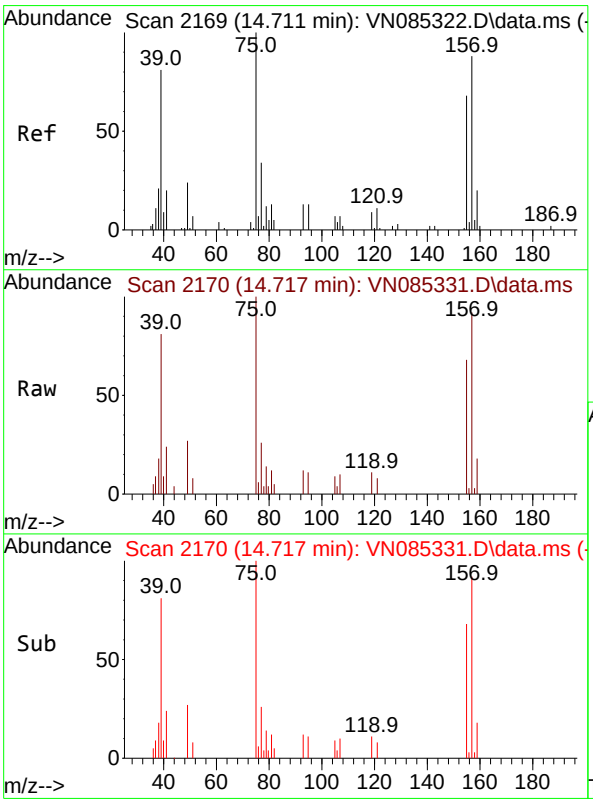
#91
1,2-Dichlorobenzene
Concen: 19.049 ug/l
RT: 14.100 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:146 Resp: 59449

Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.8	65.3
148	62.9	31.4	94.2

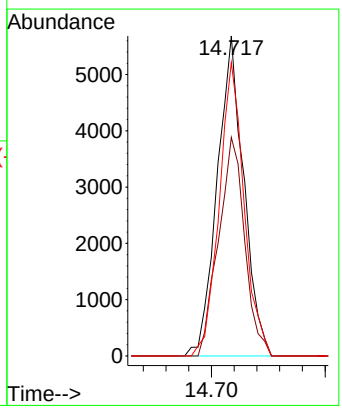


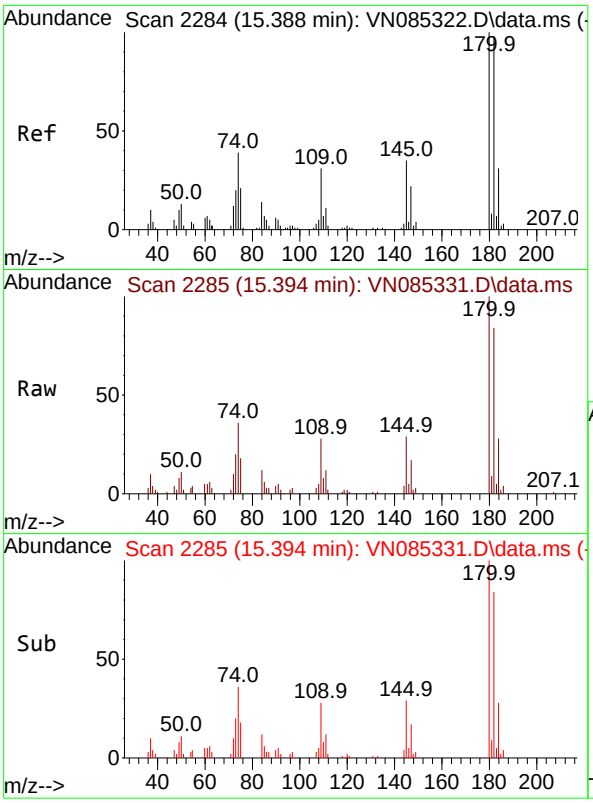


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.294 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion: 75 Resp: 9218

Ion	Ratio	Lower	Upper
75	100		
155	67.1	35.6	106.9
157	85.9	47.0	141.0



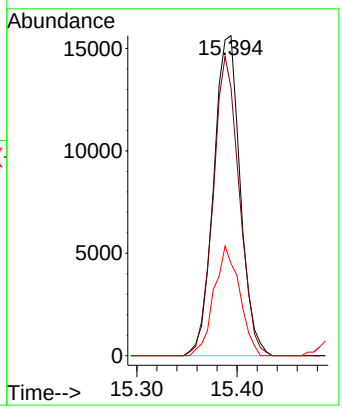


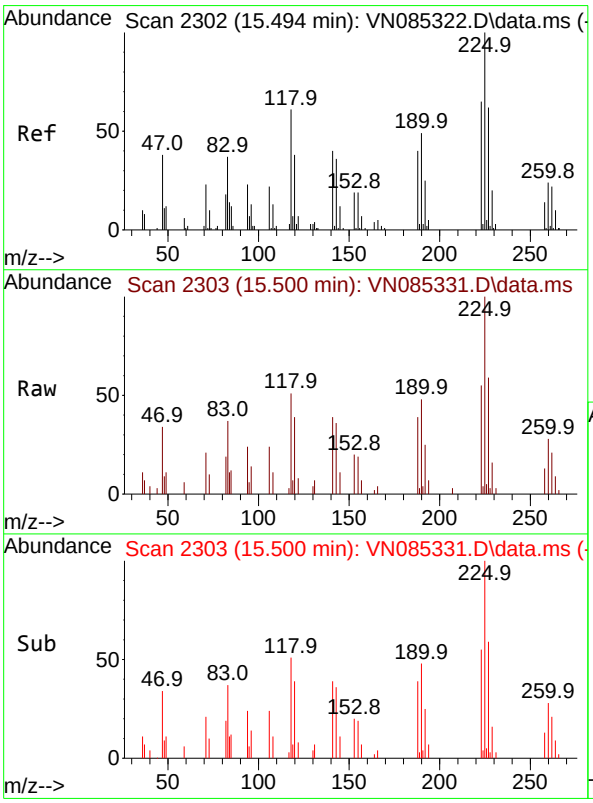
#93
1,2,4-Trichlorobenzene
Concen: 18.366 ug/l
RT: 15.394 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:180 Resp: 28607

Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.2	141.6
145	33.1	16.6	49.8

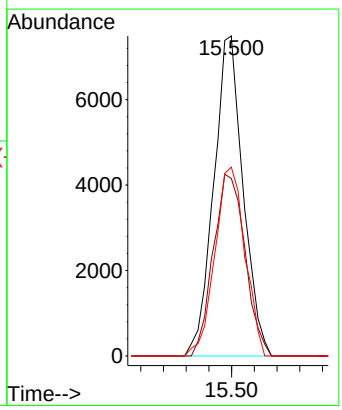


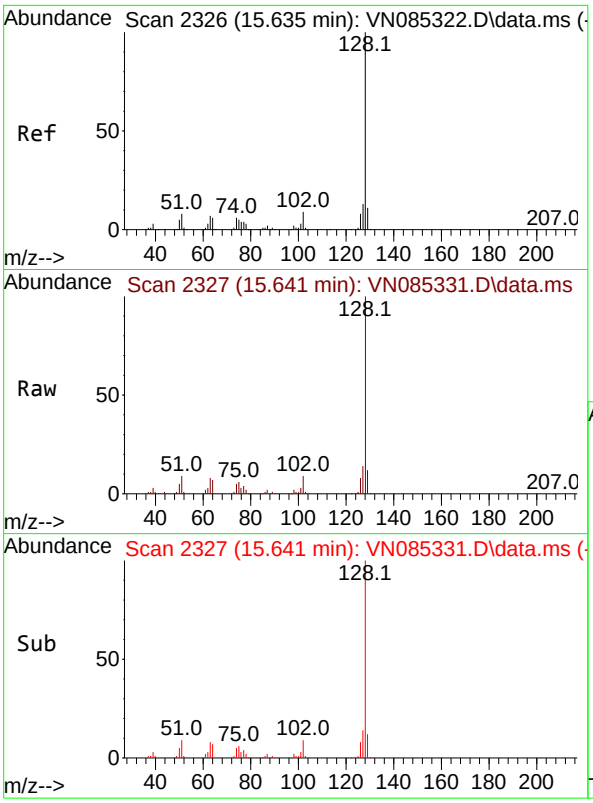


#94
Hexachlorobutadiene
Concen: 17.379 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:225 Resp: 13450

Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.6	94.7
227	60.3	30.3	91.0



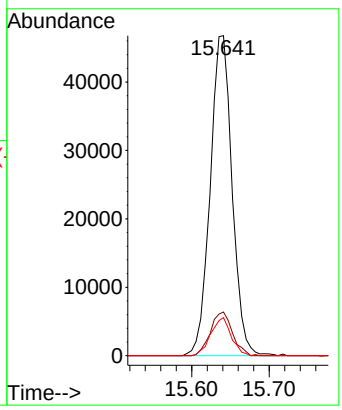


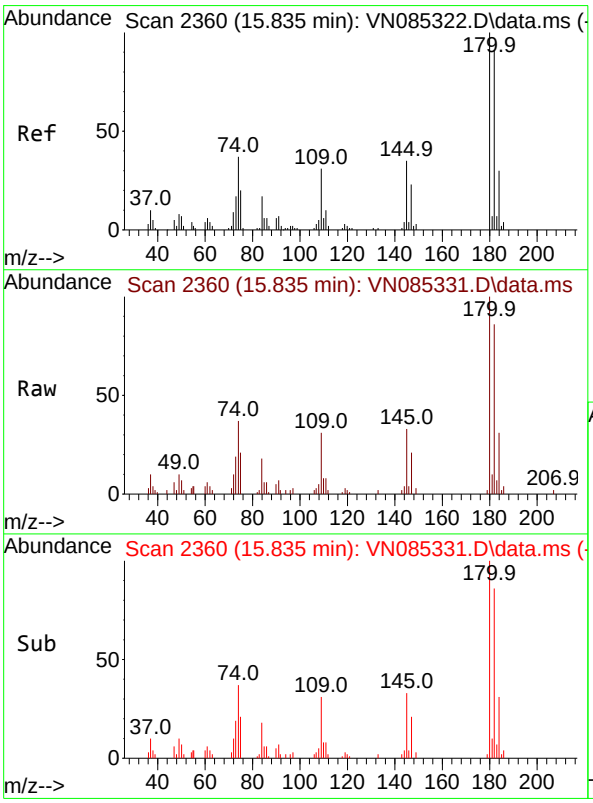
#95
Naphthalene
Concen: 17.429 ug/l
RT: 15.641 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN1227WBSD01

Tgt Ion:128 Resp: 92054

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.1	8.5	12.7

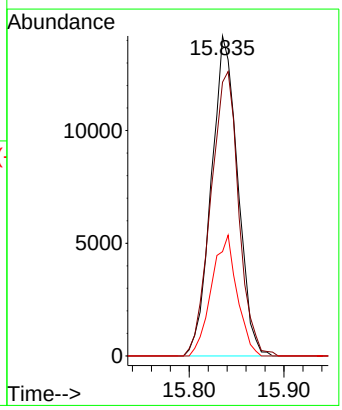




#96
1,2,3-Trichlorobenzene
Concen: 17.641 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085331.D
Acq: 27 Dec 2024 17:30

Tgt Ion:180 Resp: 27454

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.8	140.4
145	36.5	17.2	51.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	169838	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	304765	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256130	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119158	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.576	65	122557	50.594	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.180%				
35) Dibromofluoromethane	8.165	113	97559	51.312	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%				
50) Toluene-d8	10.565	98	355381	50.937	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%				
62) 4-Bromofluorobenzene	12.847	95	118775	51.260	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.520%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	113123	49.249	ug/l		97
3) Chloromethane	2.359	50	112831	43.706	ug/l		94
4) Vinyl Chloride	2.512	62	122843	44.993	ug/l		95
5) Bromomethane	2.947	94	72906	40.830	ug/l		94
6) Chloroethane	3.118	64	77851	44.963	ug/l		96
7) Trichlorofluoromethane	3.494	101	168414	46.925	ug/l		98
8) Diethyl Ether	3.959	74	62159	52.307	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.371	101	94675	46.360	ug/l		99
10) Methyl Iodide	4.583	142	116418	49.261	ug/l		98
11) Tert butyl alcohol	5.518	59	77990	257.112	ug/l		99
12) 1,1-Dichloroethene	4.336	96	90284	47.837	ug/l		94
13) Acrolein	4.177	56	117362	248.168	ug/l		98
14) Allyl chloride	5.018	41	140110	46.385	ug/l		97
15) Acrylonitrile	5.712	53	243992	255.570	ug/l		100
16) Acetone	4.418	43	202911	254.740	ug/l		97
17) Carbon Disulfide	4.712	76	244238	42.538	ug/l		100
18) Methyl Acetate	5.024	43	125680	51.536	ug/l		100
19) Methyl tert-butyl Ether	5.794	73	308976	50.367	ug/l		98
20) Methylene Chloride	5.277	84	100258	46.795	ug/l		91
21) trans-1,2-Dichloroethene	5.783	96	91889	46.608	ug/l		96
22) Diisopropyl ether	6.671	45	325374	49.987	ug/l		99
23) Vinyl Acetate	6.600	43	1238586	263.034	ug/l		99
24) 1,1-Dichloroethane	6.571	63	186368	47.530	ug/l		99
25) 2-Butanone	7.477	43	324958	262.964	ug/l		96
26) 2,2-Dichloropropane	7.482	77	155415	45.241	ug/l		99
27) cis-1,2-Dichloroethene	7.482	96	110639	47.812	ug/l		96
28) Bromochloromethane	7.812	49	77034	42.276	ug/l	#	98
29) Tetrahydrofuran	7.835	42	215784	271.082	ug/l		98
30) Chloroform	7.965	83	184082	45.890	ug/l		97
31) Cyclohexane	8.253	56	155315	43.379	ug/l		94
32) 1,1,1-Trichloroethane	8.165	97	161741	45.147	ug/l		99
36) 1,1-Dichloropropene	8.371	75	130916	47.028	ug/l		100
37) Ethyl Acetate	7.559	43	134415	48.579	ug/l		100
38) Carbon Tetrachloride	8.359	117	145219	47.859	ug/l		97
39) Methylcyclohexane	9.600	83	140749	48.731	ug/l		99
40) Benzene	8.606	78	401557	47.710	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	72165	50.926	ug/l		98
42) 1,2-Dichloroethane	8.671	62	141854	47.009	ug/l		100
43) Isopropyl Acetate	8.682	43	258318	56.698	ug/l		95
44) Trichloroethene	9.347	130	89851	45.091	ug/l		95
45) 1,2-Dichloropropane	9.618	63	100779	47.168	ug/l		95
46) Dibromomethane	9.706	93	70356	47.348	ug/l		99
47) Bromodichloromethane	9.888	83	147480	47.752	ug/l		98
48) Methyl methacrylate	9.676	41	107180	54.215	ug/l		100
49) 1,4-Dioxane	9.694	88	33381	1119.134	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	687835	268.651	ug/l		99
52) Toluene	10.629	92	243317	48.552	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	150931	49.694	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	160718	48.936	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	92267	48.764	ug/l		97
56) Ethyl methacrylate	10.870	69	155398	56.392	ug/l		99
57) 1,3-Dichloropropane	11.159	76	161673	48.684	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	360017	270.032	ug/l		99
59) 2-Hexanone	11.194	43	497580	280.111	ug/l		100
60) Dibromochloromethane	11.353	129	109072	51.180	ug/l		100
61) 1,2-Dibromoethane	11.465	107	92998	49.680	ug/l		99
64) Tetrachloroethene	11.100	164	71896	44.300	ug/l		97
65) Chlorobenzene	11.888	112	261676	47.277	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	92418	49.750	ug/l		98
67) Ethyl Benzene	11.959	91	461376	50.123	ug/l		100
68) m/p-Xylenes	12.070	106	351159	104.245	ug/l		100
69) o-Xylene	12.394	106	168921	51.838	ug/l		97
70) Styrene	12.412	104	285621	54.081	ug/l		100
71) Bromoform	12.576	173	68988	53.619	ug/l	#	99
73) Isopropylbenzene	12.694	105	430895	50.287	ug/l		99
74) N-amyl acetate	12.488	43	207891	56.680	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	135425	49.623	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	174976	78.636	ug/l		56
77) Bromobenzene	12.976	156	97145	45.760	ug/l		97
78) n-propylbenzene	13.035	91	506572	50.717	ug/l		100
79) 2-Chlorotoluene	13.123	91	309290	49.202	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	359513	51.871	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49551	53.330	ug/l		95
82) 4-Chlorotoluene	13.217	91	311175	49.151	ug/l		99
83) tert-Butylbenzene	13.435	119	299444	49.875	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	362722	52.558	ug/l		98
85) sec-Butylbenzene	13.611	105	423924	50.868	ug/l		98
86) p-Isopropyltoluene	13.729	119	355028	47.752	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	182452	47.408	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	182104	46.065	ug/l		99
89) n-Butylbenzene	14.053	91	301821	49.458	ug/l		99
90) Hexachloroethane	14.329	117	70685	51.745	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	178612	48.719	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25973	53.475	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	84575	46.223	ug/l		99
94) Hexachlorobutadiene	15.500	225	37128	40.840	ug/l		97
95) Naphthalene	15.635	128	291130	46.923	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	84747	46.357	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

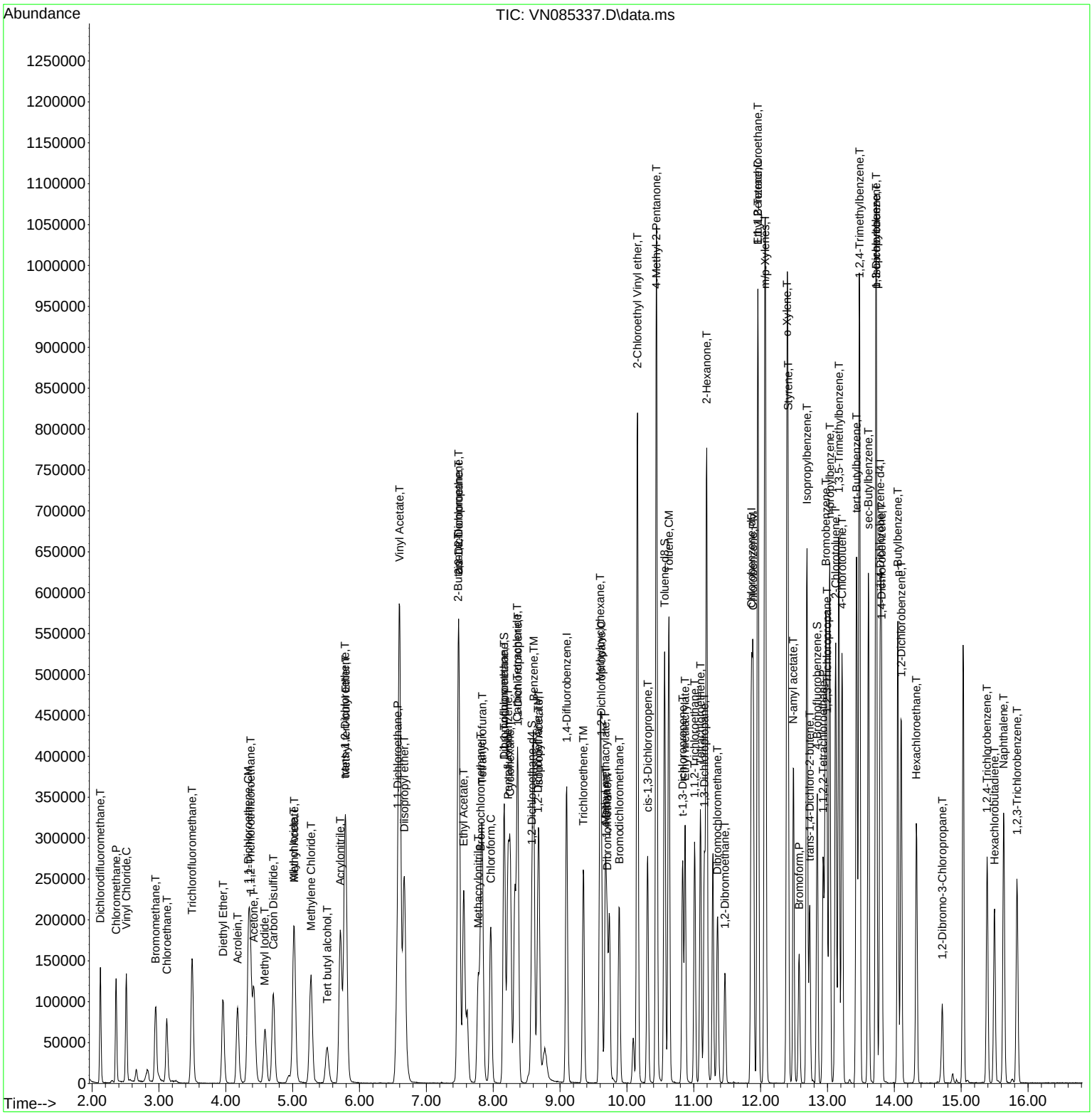
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

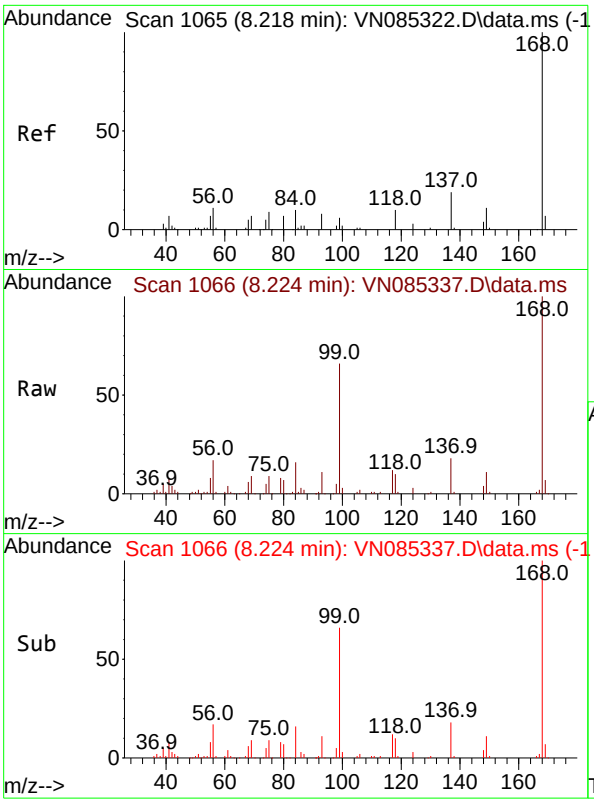
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085337.D
Acq On : 27 Dec 2024 19:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 28 01:46:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



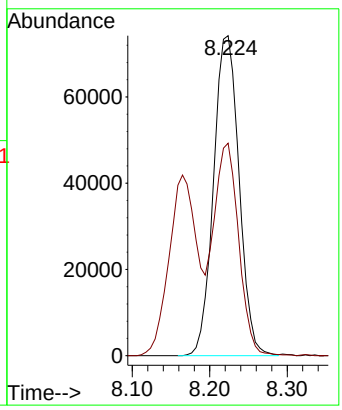


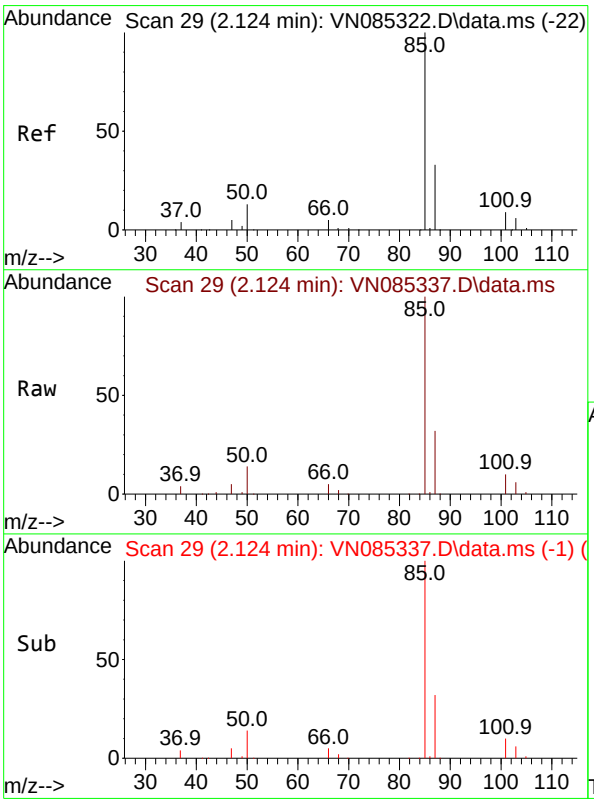
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 169838

Ion	Ratio	Lower	Upper
168	100		
99	66.1	51.0	76.4

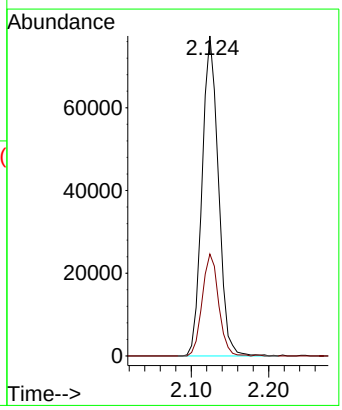


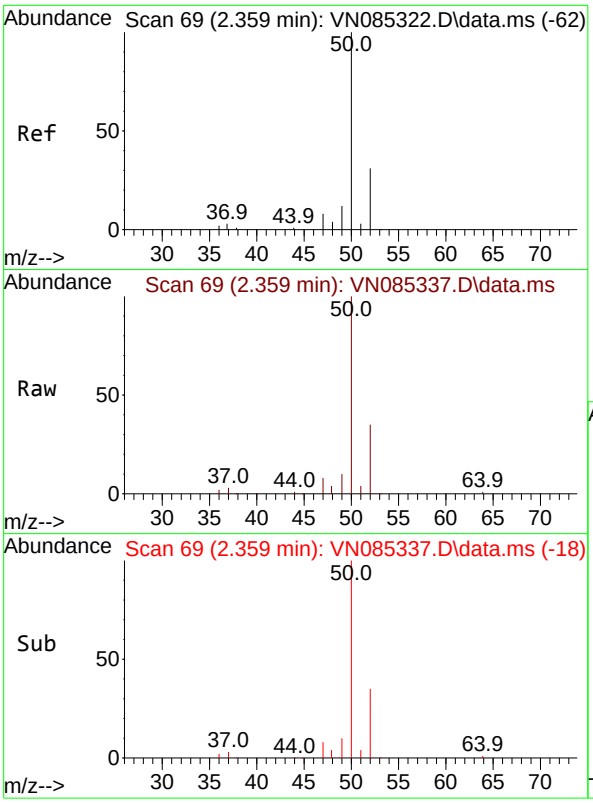


#2
Dichlorodifluoromethane
Concen: 49.249 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 85 Resp: 113123

Ion	Ratio	Lower	Upper
85	100		
87	31.8	16.8	50.3



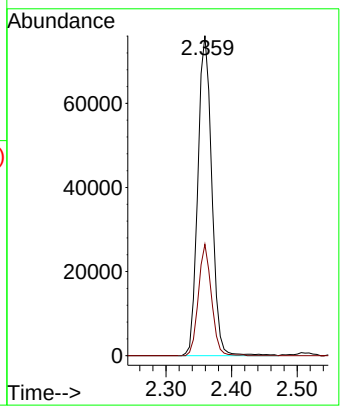


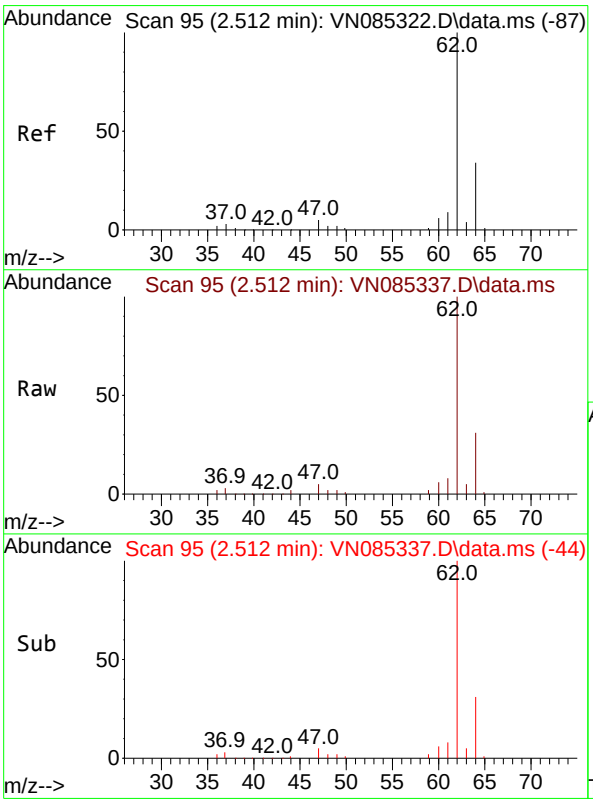
#3
Chloromethane
Concen: 43.706 ug/l
RT: 2.359 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 112831

Ion	Ratio	Lower	Upper
50	100		
52	34.8	25.1	37.7

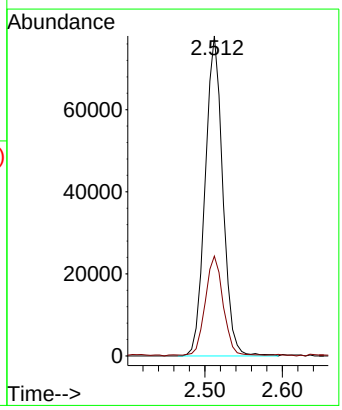


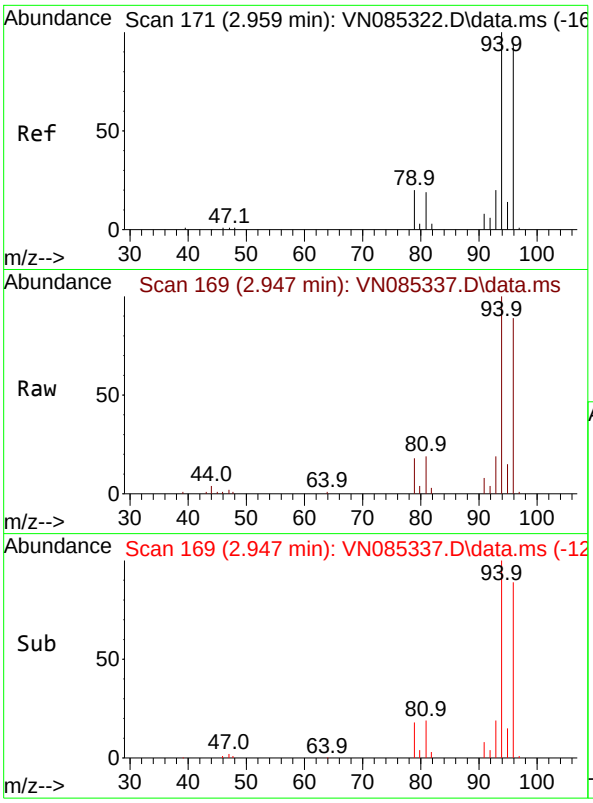


#4
Vinyl Chloride
Concen: 44.993 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 62 Resp: 122843

Ion	Ratio	Lower	Upper
62	100		
64	30.9	27.0	40.6



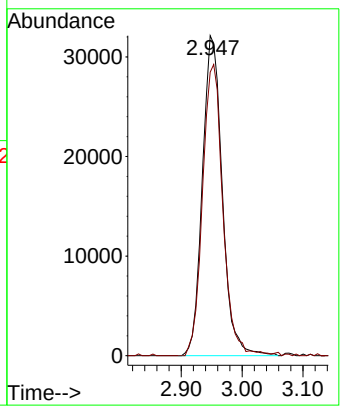


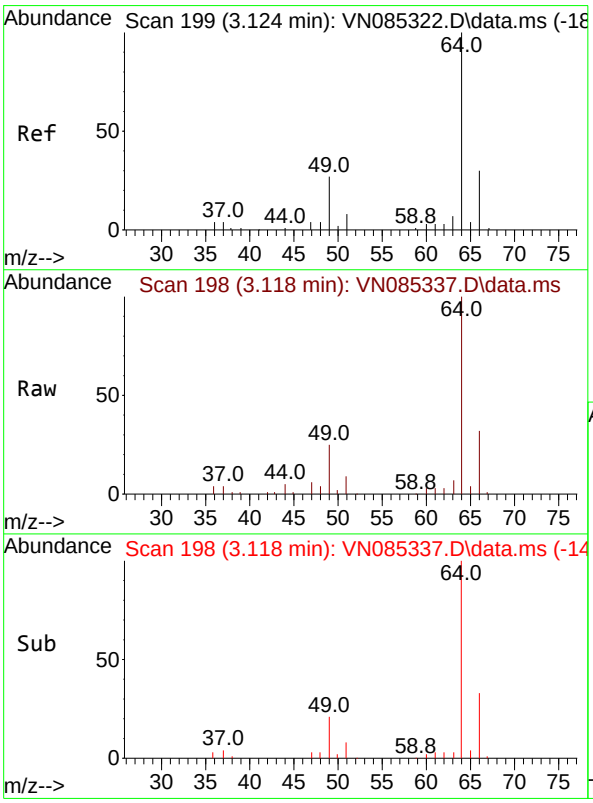
#5
Bromomethane
Concen: 40.830 ug/l
RT: 2.947 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 72906

Ion	Ratio	Lower	Upper
94	100		
96	88.6	75.2	112.8

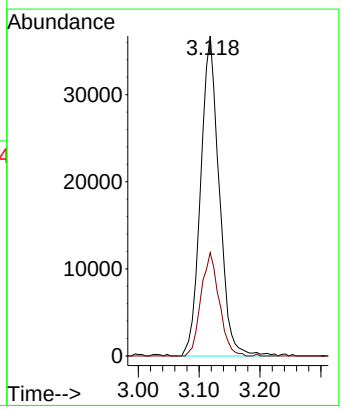


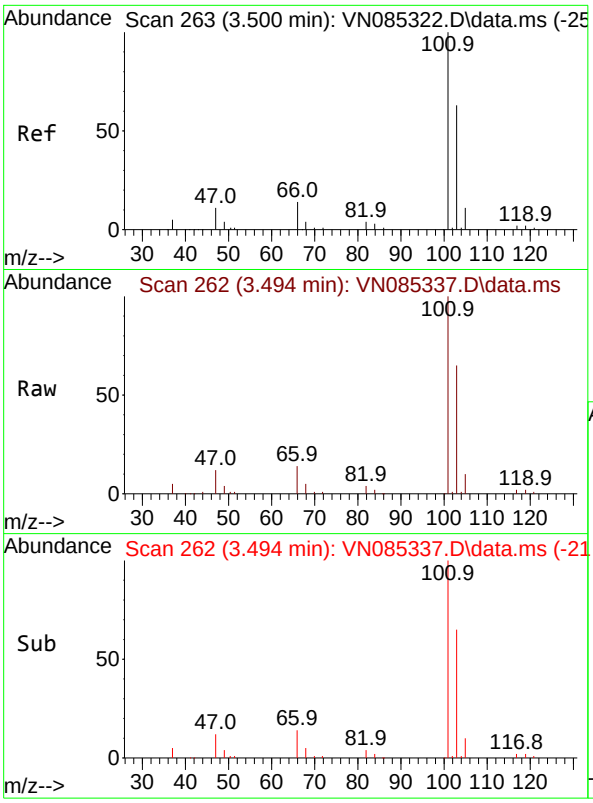


#6
Chloroethane
Concen: 44.963 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 64 Resp: 77851

Ion	Ratio	Lower	Upper
64	100		
66	32.3	24.1	36.1



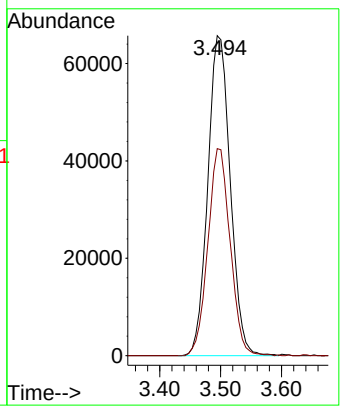


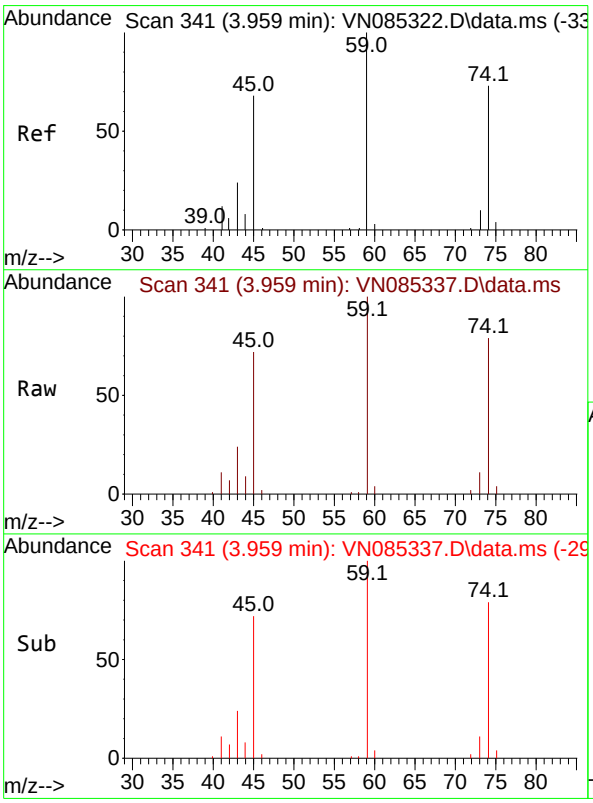
#7
Trichlorofluoromethane
Concen: 46.925 ug/l
RT: 3.494 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 168414

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.3	75.5

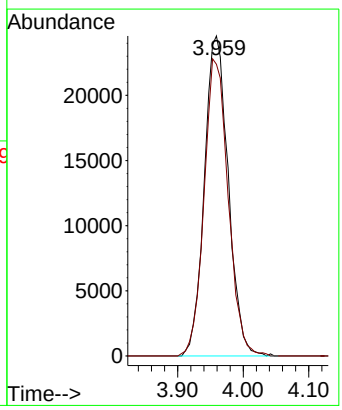


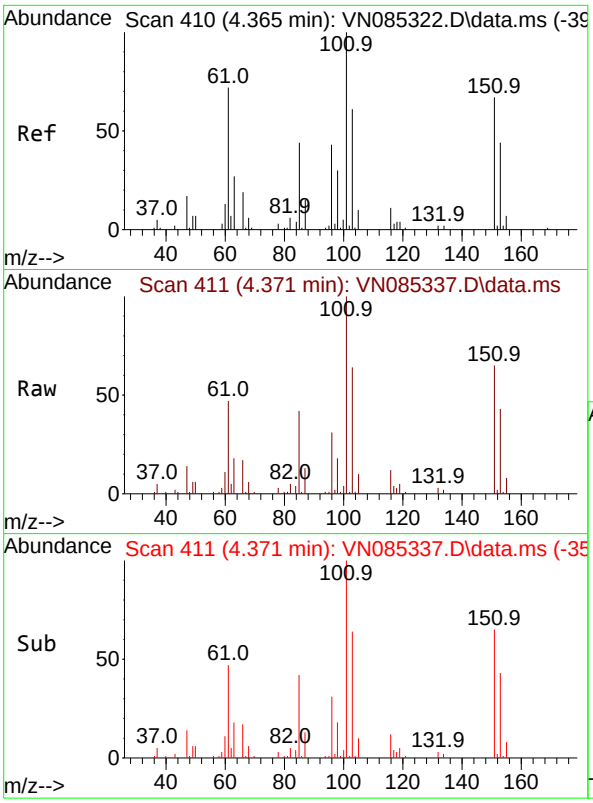


#8
Diethyl Ether
Concen: 52.307 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 74 Resp: 62159

Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.5	142.6



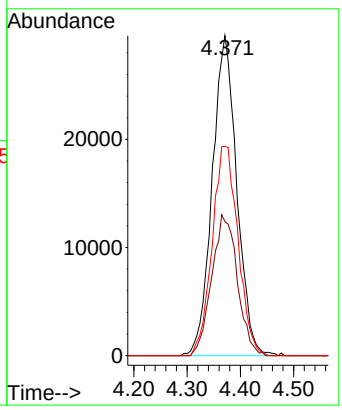


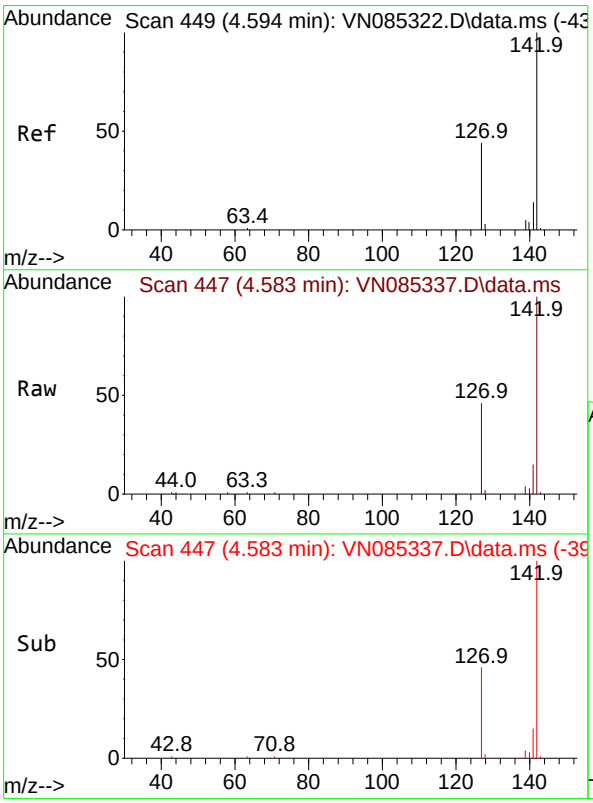
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.360 ug/l
RT: 4.371 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 94675

Ion	Ratio	Lower	Upper
101	100		
85	45.9	36.2	54.4
151	68.8	55.8	83.6

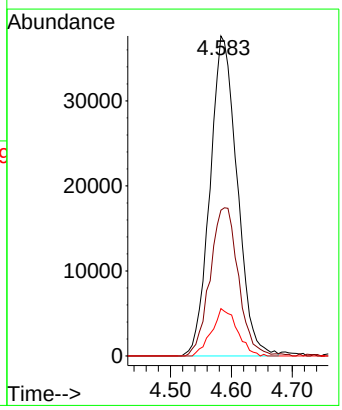


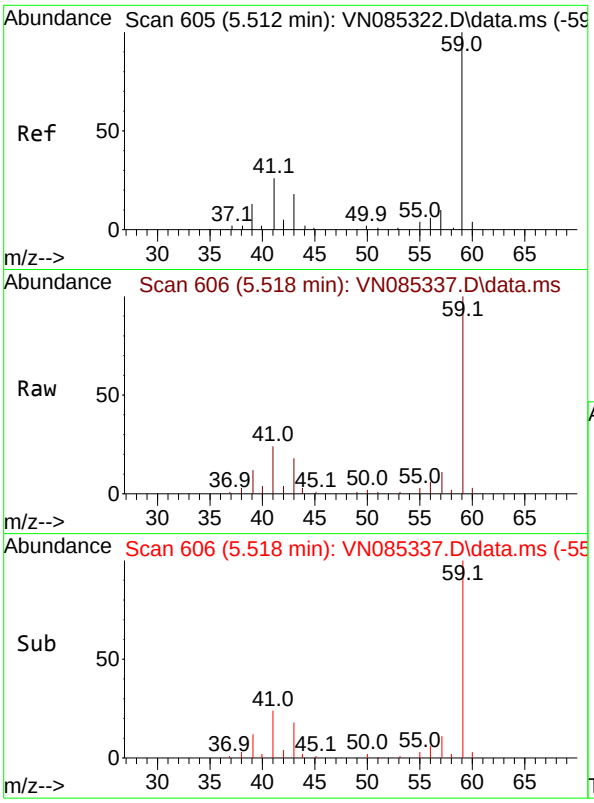


#10
Methyl Iodide
Concen: 49.261 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.012 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:142 Resp: 116418

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.3	52.9
141	14.8	11.5	17.3



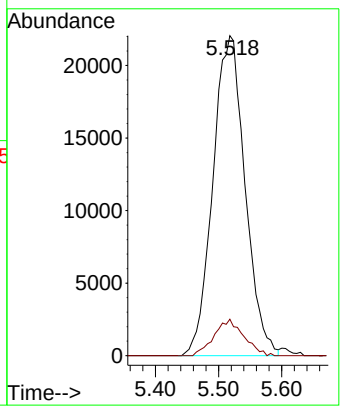


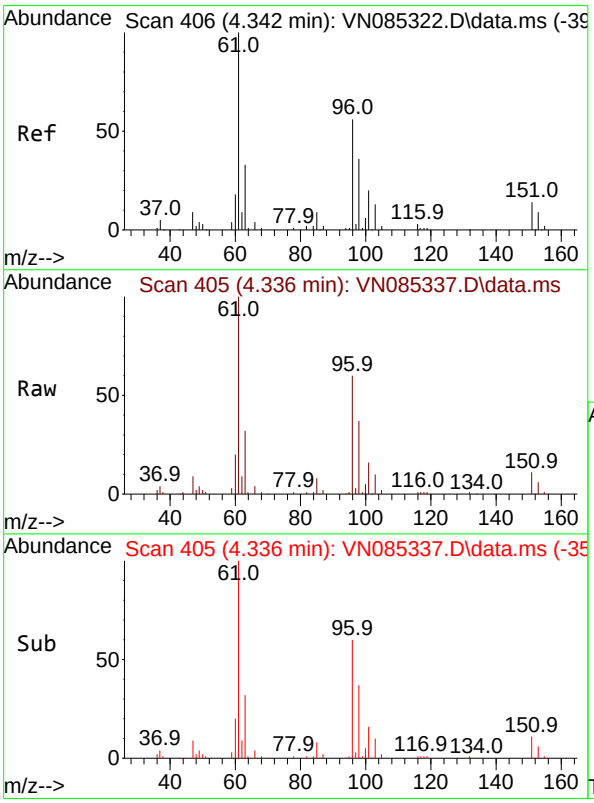
#11
Tert butyl alcohol
Concen: 257.112 ug/l
RT: 5.518 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 77990

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

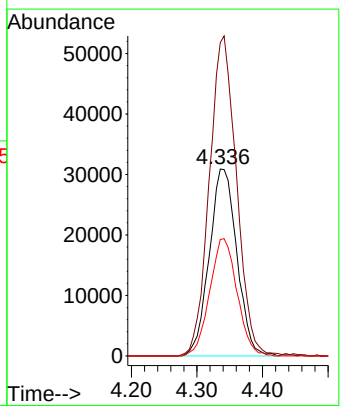


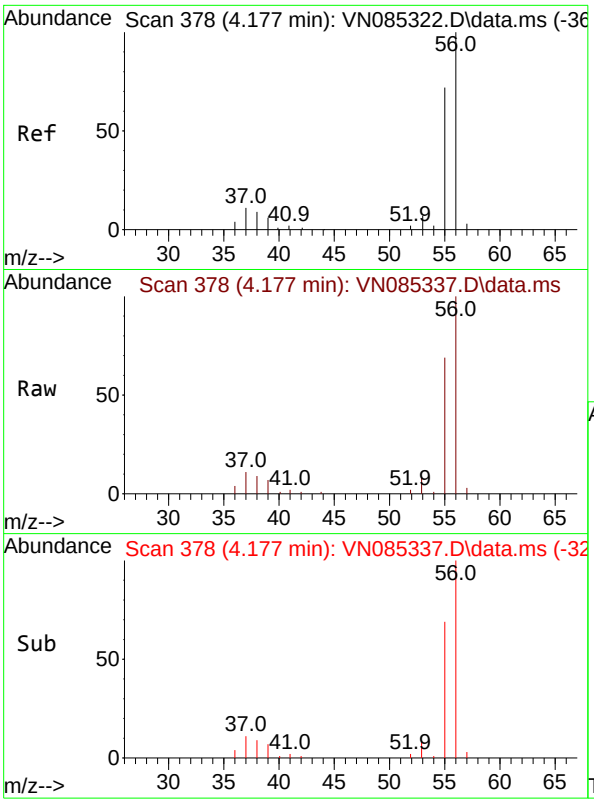


#12
1,1-Dichloroethene
Concen: 47.837 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 96 Resp: 90284

Ion	Ratio	Lower	Upper
96	100		
61	167.6	142.4	213.6
98	62.3	51.5	77.3



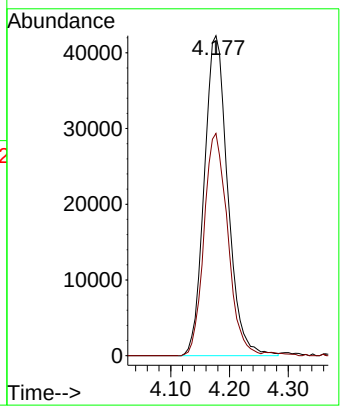


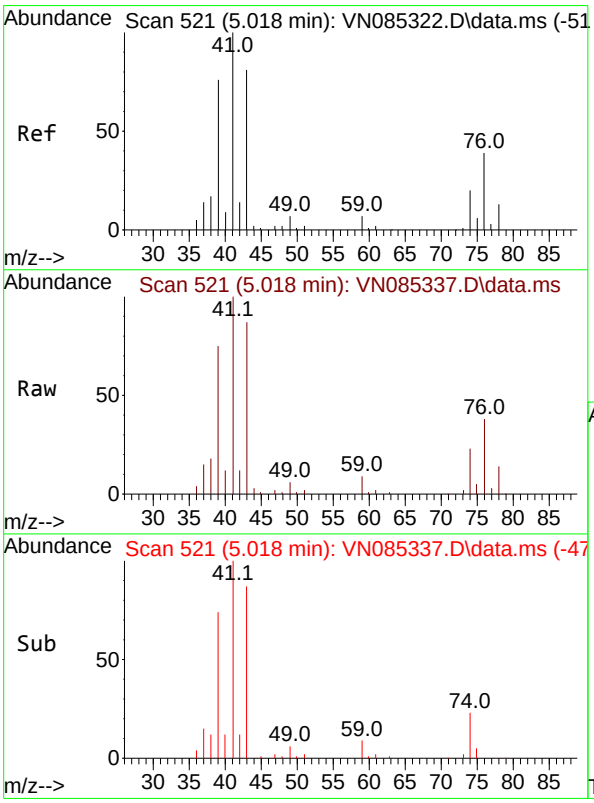
#13
Acrolein
Concen: 248.168 ug/l
RT: 4.177 min Scan# 3
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 117362

Ion	Ratio	Lower	Upper
56	100		
55	69.8	57.5	86.3

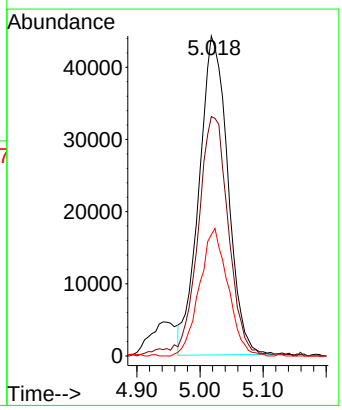


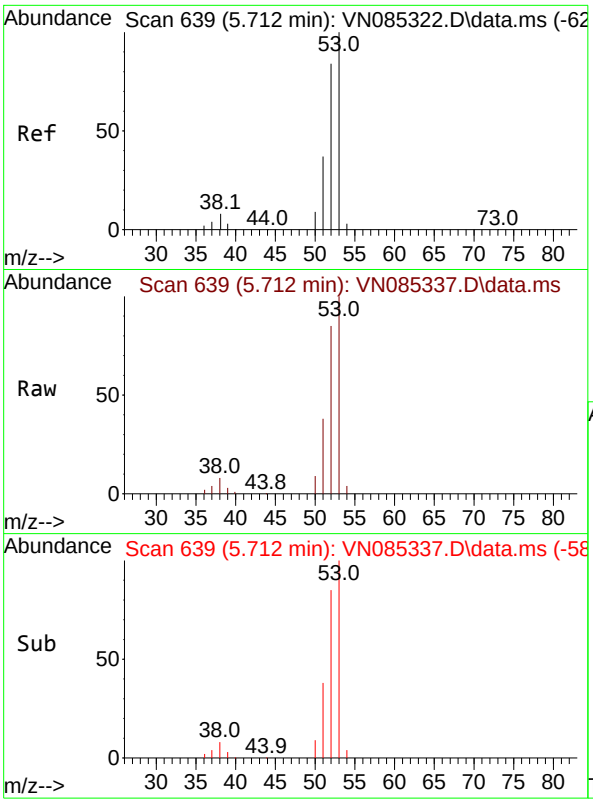


#14
Allyl chloride
Concen: 46.385 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 41 Resp: 140110

Ion	Ratio	Lower	Upper
41	100		
39	77.2	64.4	96.6
76	39.5	31.5	47.3



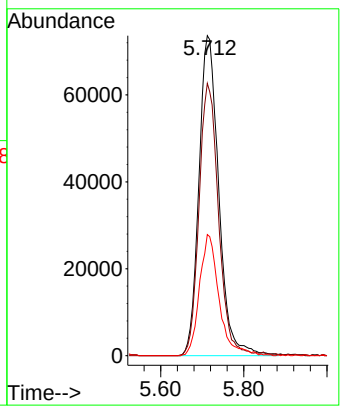


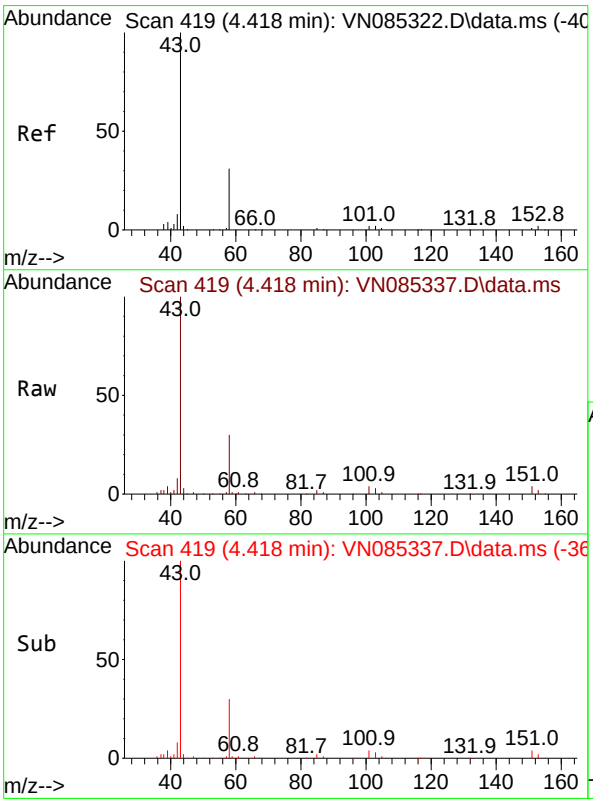
#15
Acrylonitrile
Concen: 255.570 ug/l
RT: 5.712 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 243992

Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.4	29.6	44.4

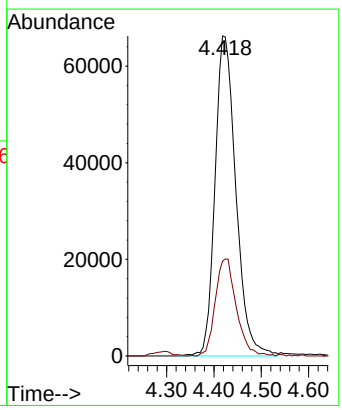


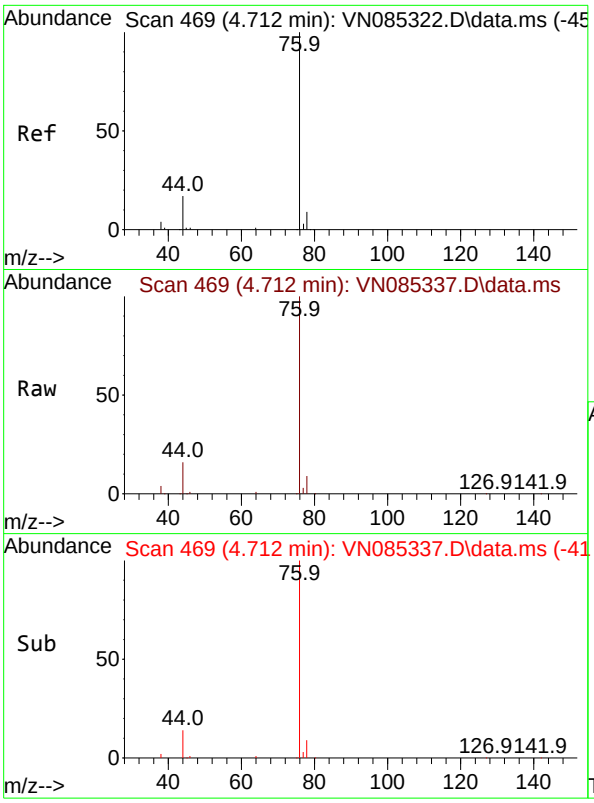


#16
Acetone
Concen: 254.740 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 202911

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.5	36.7



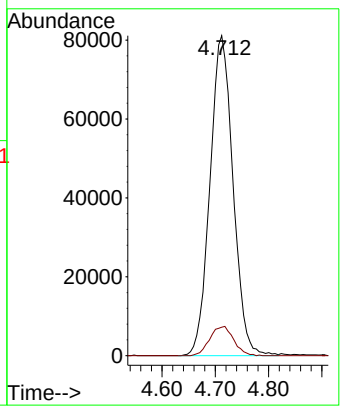


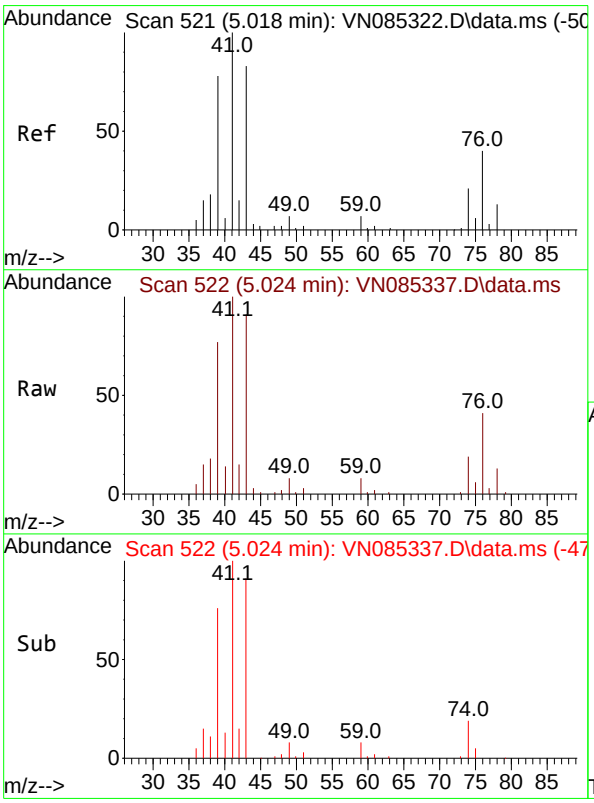
#17
Carbon Disulfide
Concen: 42.538 ug/l
RT: 4.712 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 244238

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

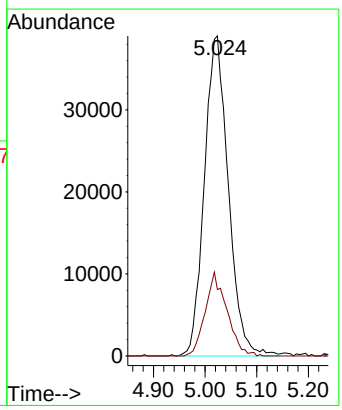


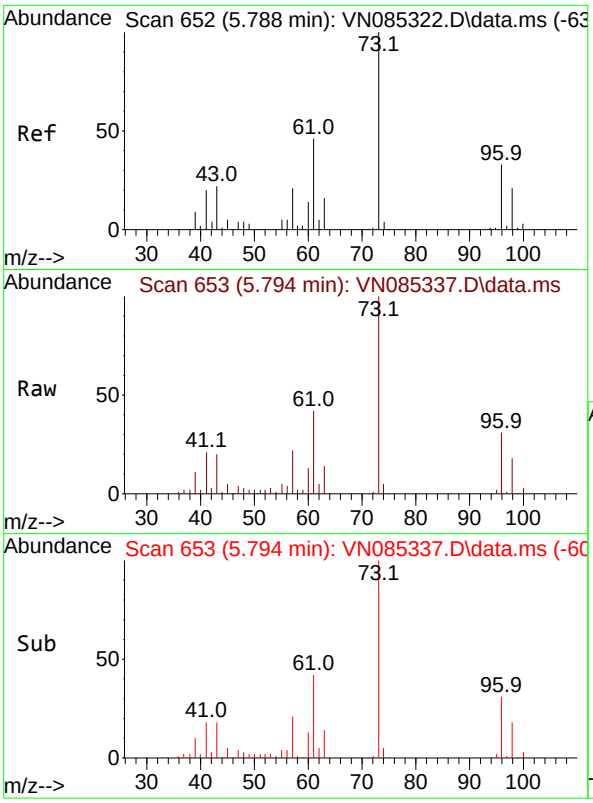


#18
Methyl Acetate
Concen: 51.536 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 125680

Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.6



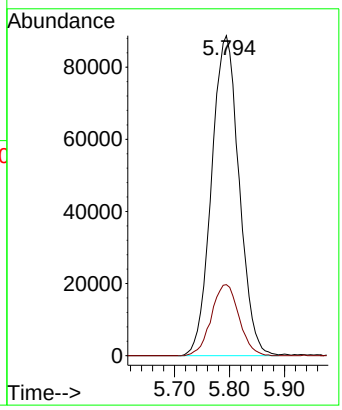


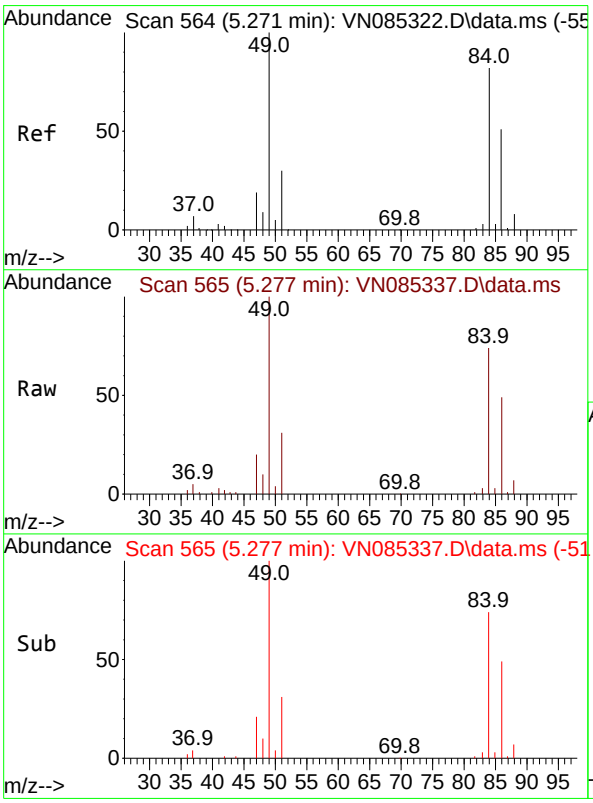
#19
Methyl tert-butyl Ether
Concen: 50.367 ug/l
RT: 5.794 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 308976

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.6

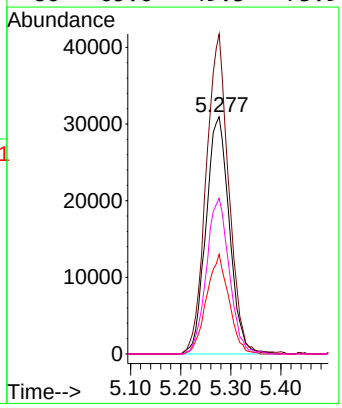


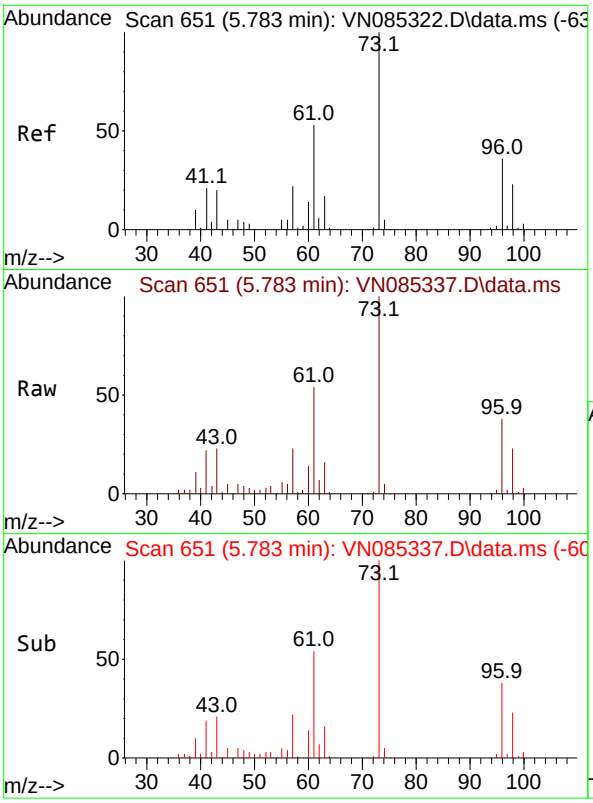


#20
Methylene Chloride
Concen: 46.795 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 84 Resp: 100258

Ion	Ratio	Lower	Upper
84	100		
49	135.0	97.6	146.4
51	42.1	29.1	43.7
86	65.6	49.3	73.9



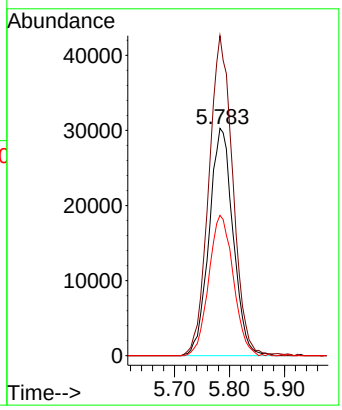


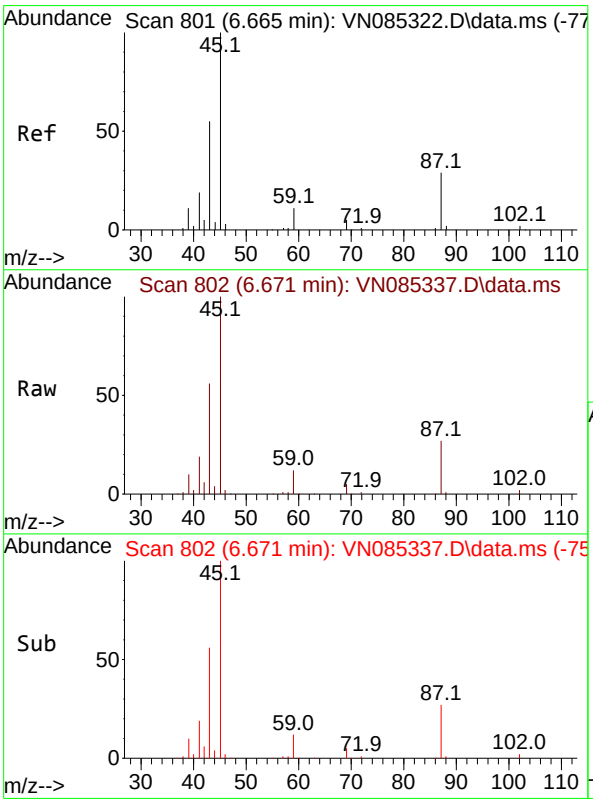
#21
trans-1,2-Dichloroethene
Concen: 46.608 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 91889

Ion	Ratio	Lower	Upper
96	100		
61	140.8	118.0	177.0
98	61.7	50.6	75.8

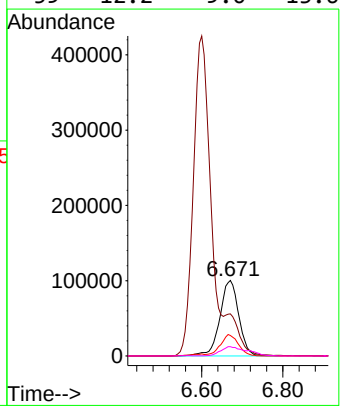


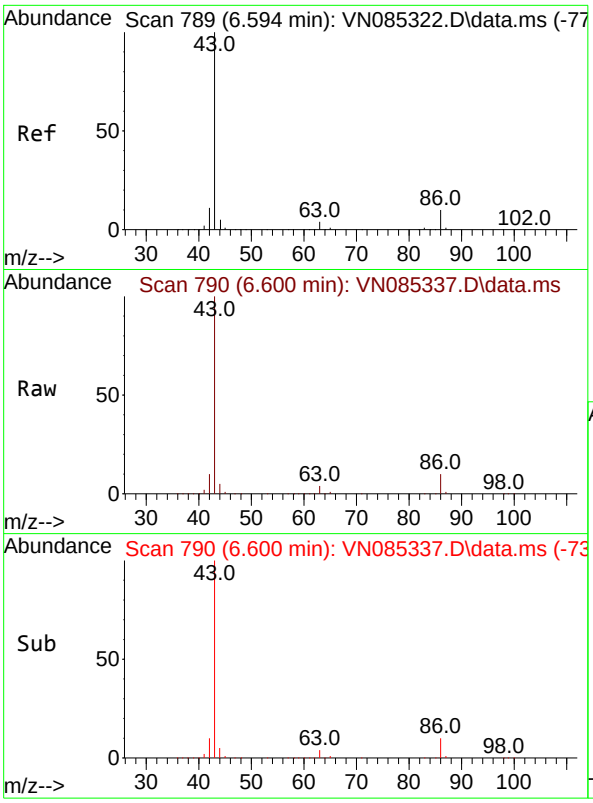


#22
Diisopropyl ether
Concen: 49.987 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 45 Resp: 325374

Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.1	66.1
87	27.2	23.2	34.8
59	12.2	9.0	13.6



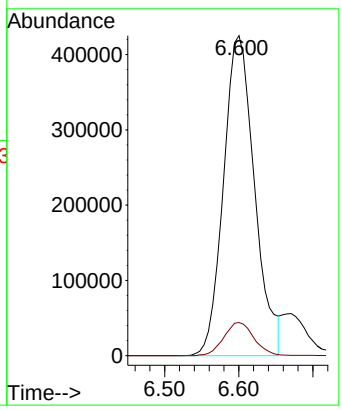


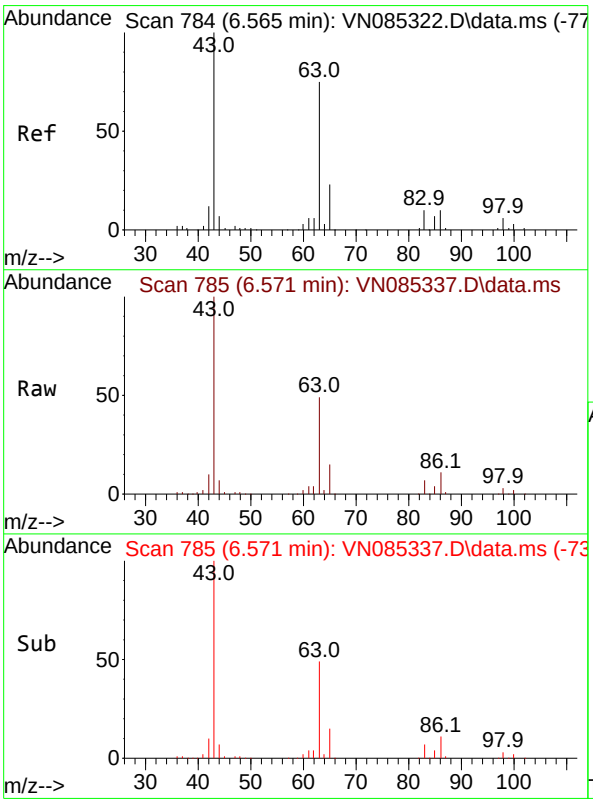
#23
Vinyl Acetate
Concen: 263.034 ug/l
RT: 6.600 min Scan# 7
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1238586

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.0	12.0

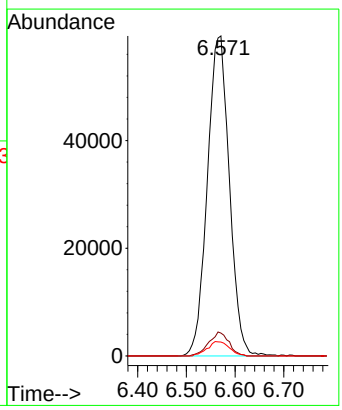


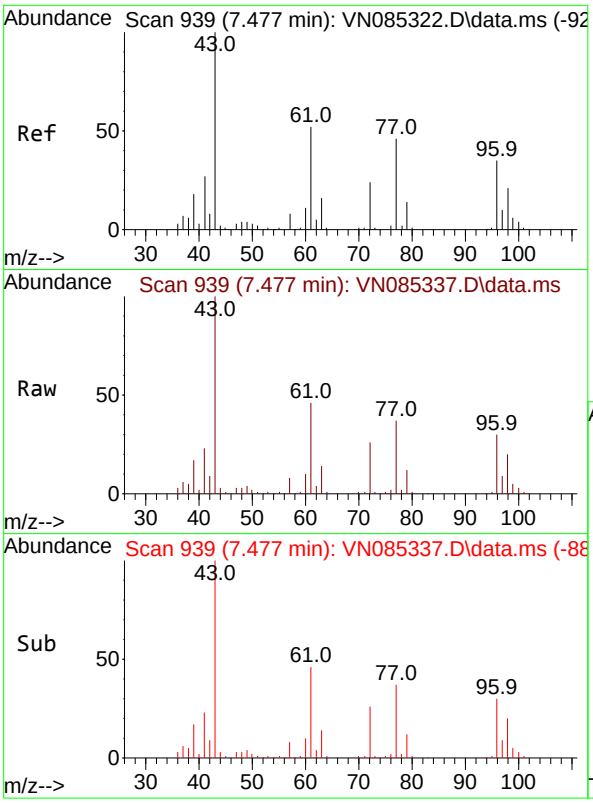


#24
1,1-Dichloroethane
Concen: 47.530 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 63 Resp: 186368

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.7	11.1
100	4.4	2.3	6.8



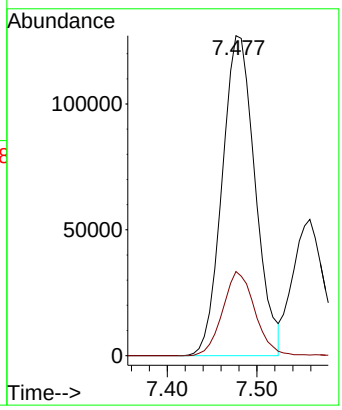


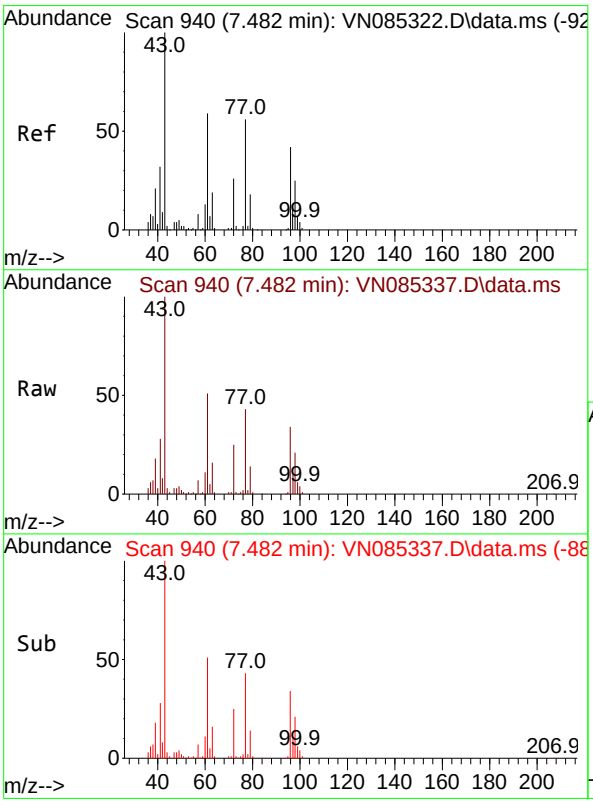
#25
2-Butanone
Concen: 262.964 ug/l
RT: 7.477 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 324958

Ion	Ratio	Lower	Upper
43	100		
72	26.3	19.6	29.4

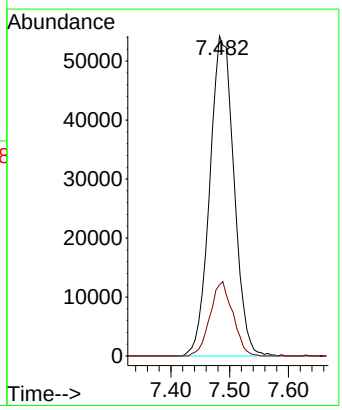


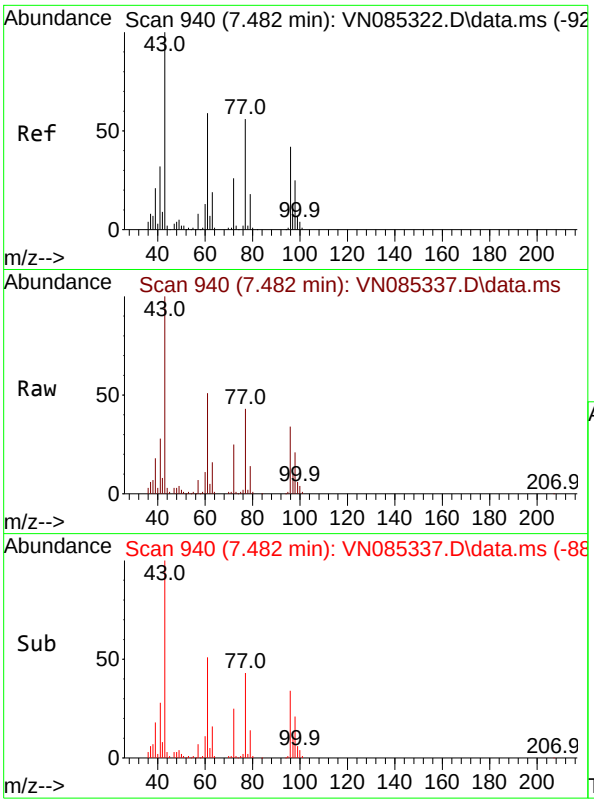


#26
2,2-Dichloropropane
Concen: 45.241 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 77 Resp: 155415

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.6	31.8



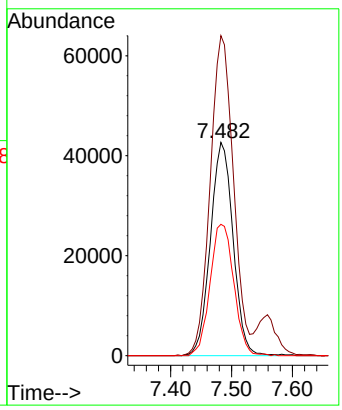


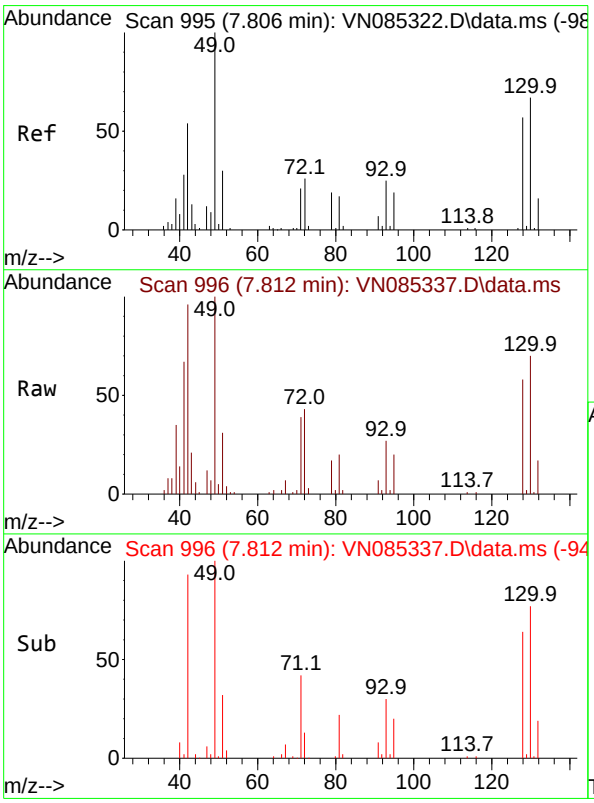
#27
cis-1,2-Dichloroethene
Concen: 47.812 ug/l
RT: 7.482 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 110639

Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	296.4
98	64.5	0.0	124.2

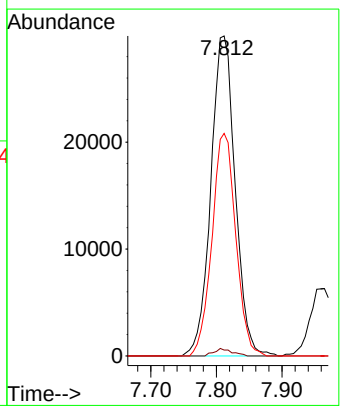


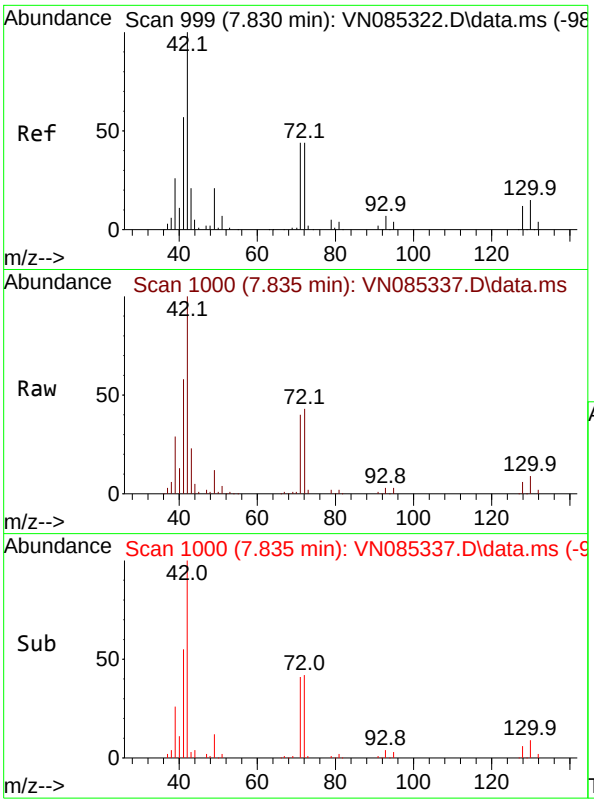


#28
Bromochloromethane
Concen: 42.276 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 49 Resp: 77034

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	68.0	0.0	0.0#



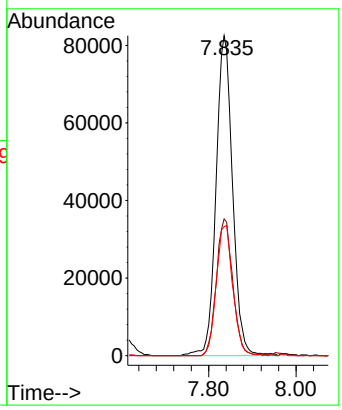


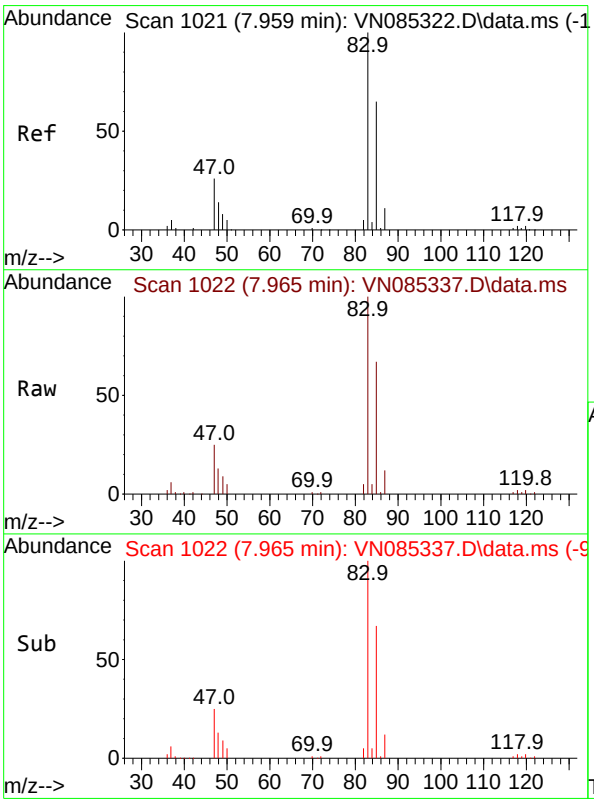
#29
Tetrahydrofuran
Concen: 271.082 ug/l
RT: 7.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 215784

Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.1	52.7
71	40.7	33.4	50.0

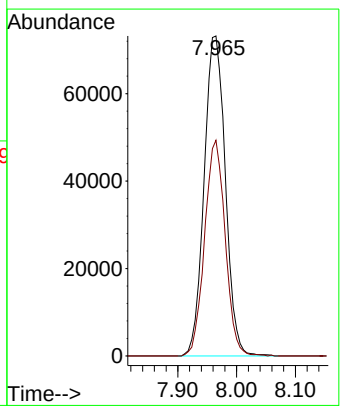


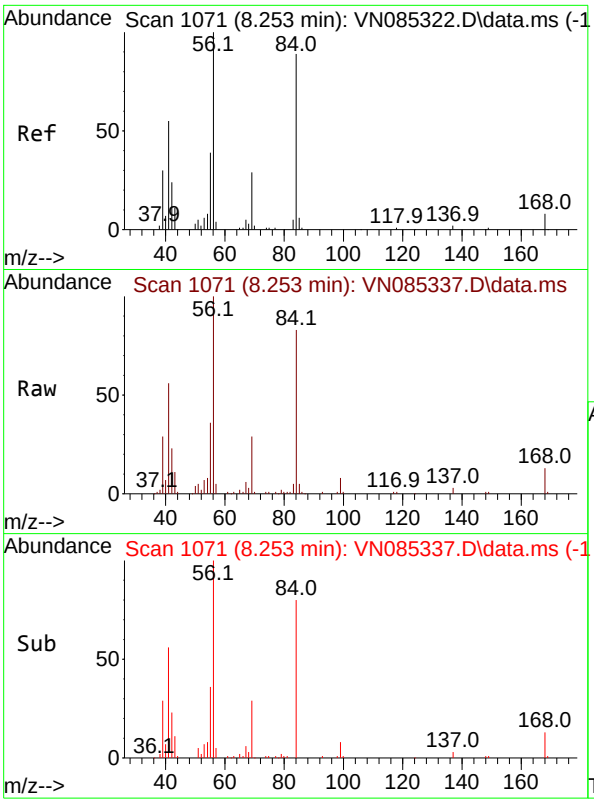


#30
Chloroform
Concen: 45.890 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 83 Resp: 184082

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.0	78.0



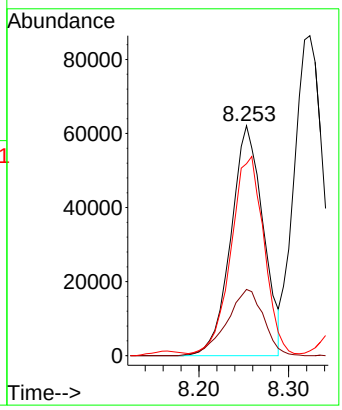


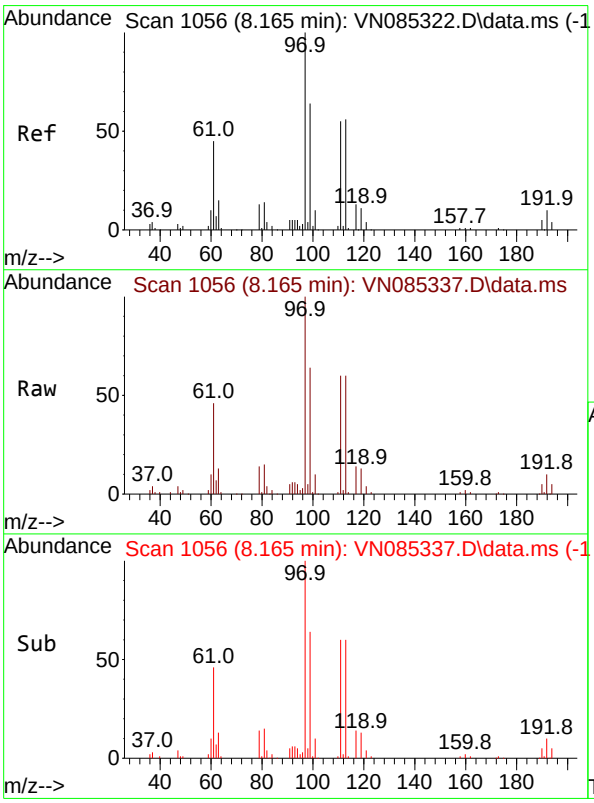
#31
Cyclohexane
Concen: 43.379 ug/l
RT: 8.253 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 155315

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	82.1	71.0	106.6

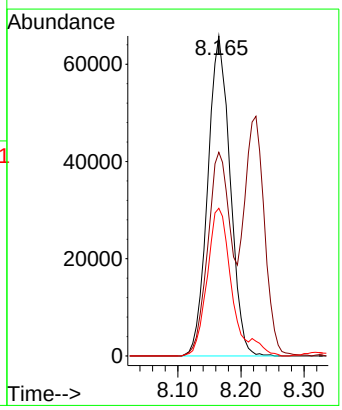


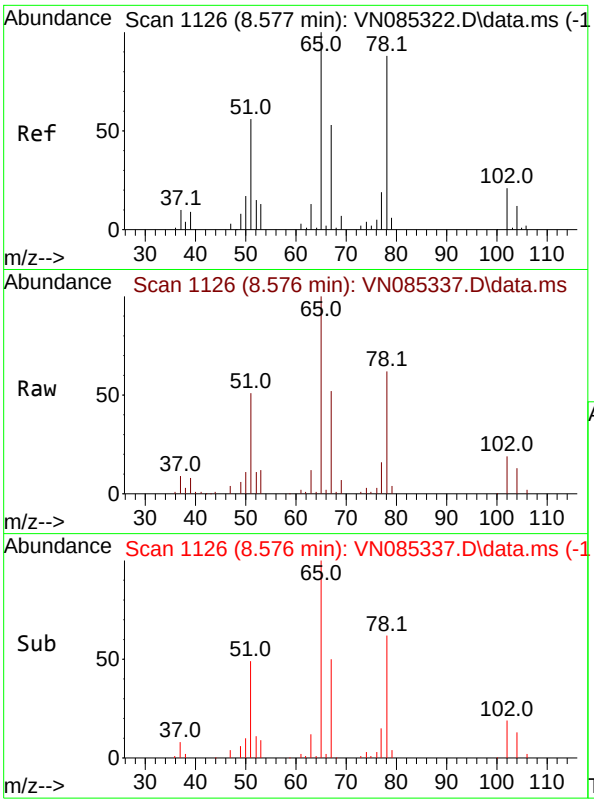


#32
1,1,1-Trichloroethane
Concen: 45.147 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 97 Resp: 161741

Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.3	79.9
61	48.1	39.6	59.4



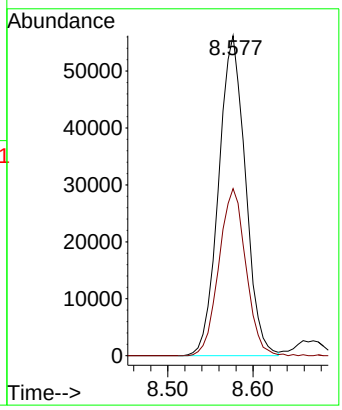


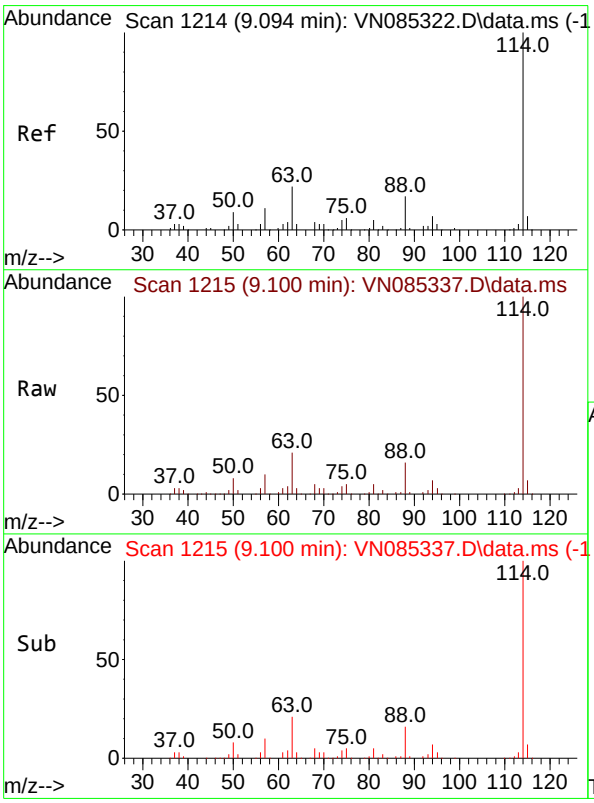
#33
1,2-Dichloroethane-d4
Concen: 50.594 ug/l
RT: 8.576 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 122557

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.0

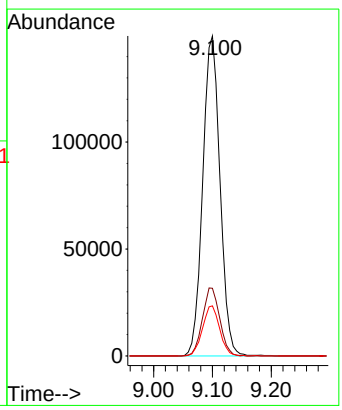


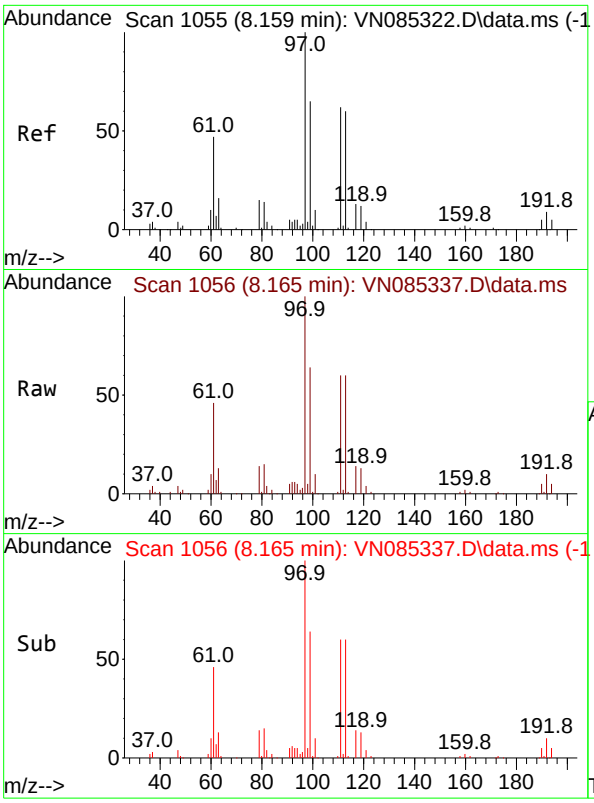


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:114 Resp: 304765

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.4
88	15.6	0.0	33.6



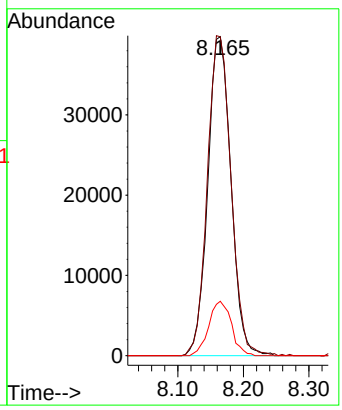


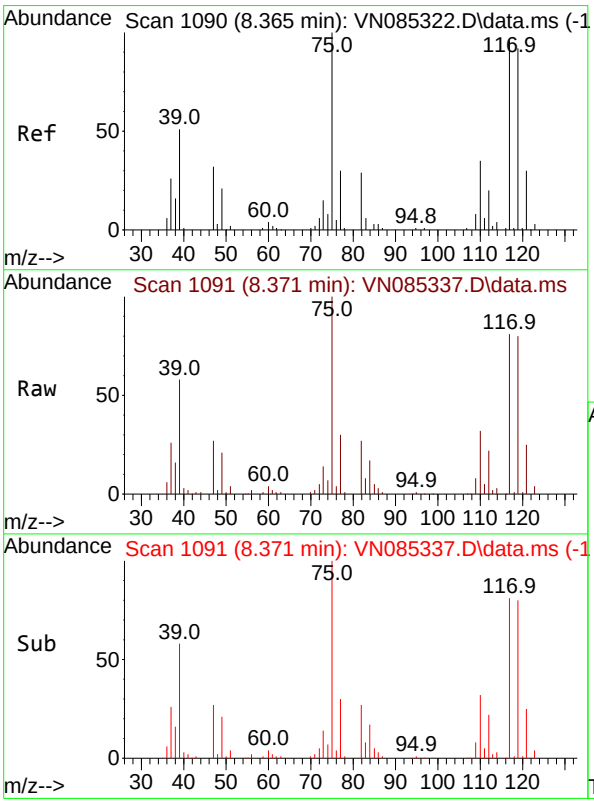
#35
Dibromofluoromethane
Concen: 51.312 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 97559

Ion	Ratio	Lower	Upper
113	100		
111	102.3	80.5	120.7
192	16.7	12.9	19.3

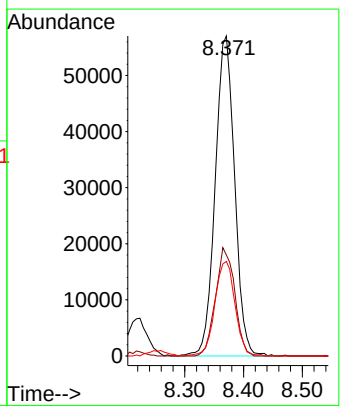


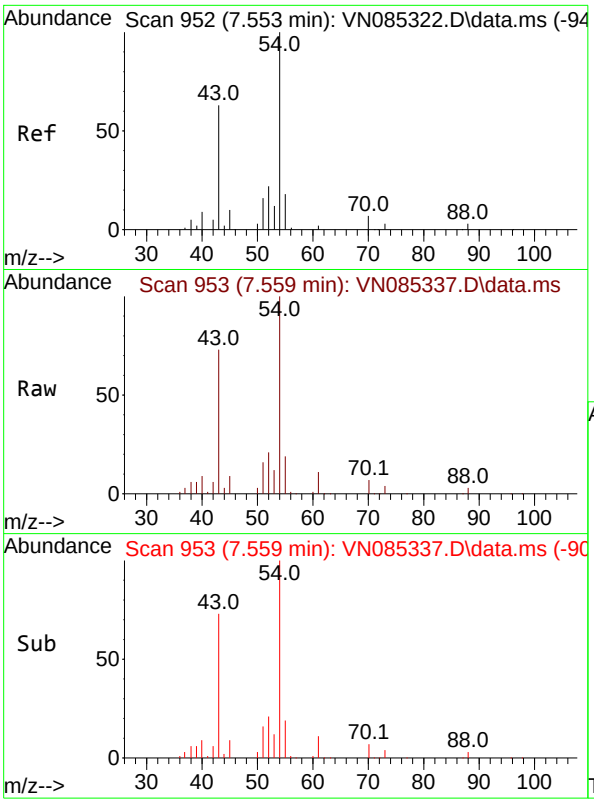


#36
1,1-Dichloropropene
Concen: 47.028 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 130916

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.6	49.8
77	30.6	24.3	36.5



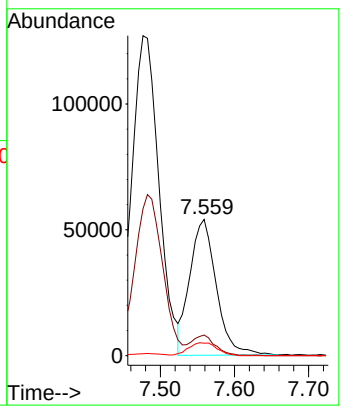


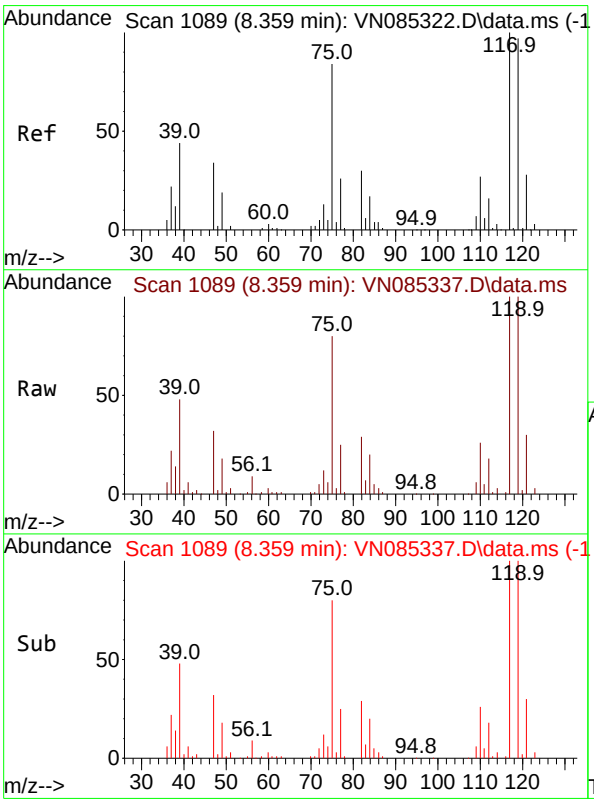
#37
Ethyl Acetate
Concen: 48.579 ug/l
RT: 7.559 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 134415

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.4	15.6
70	10.2	8.2	12.2

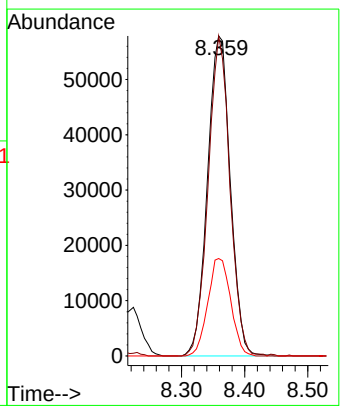


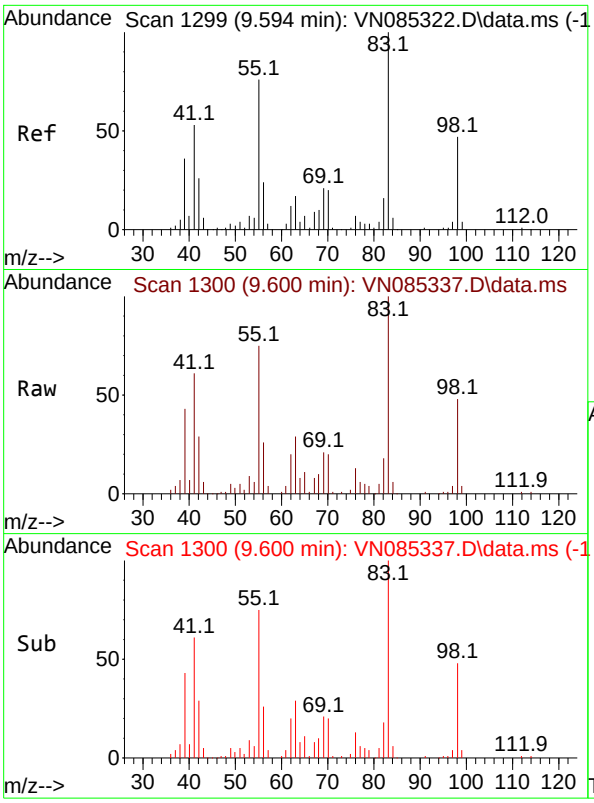


#38
Carbon Tetrachloride
Concen: 47.859 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:117 Resp: 145219

Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.8	116.6
121	30.5	22.5	33.7



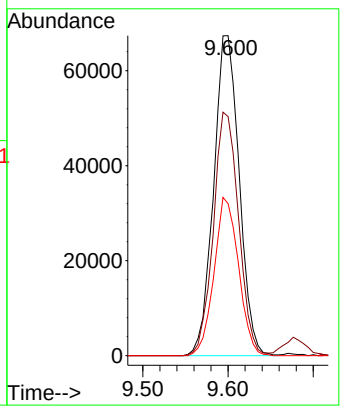


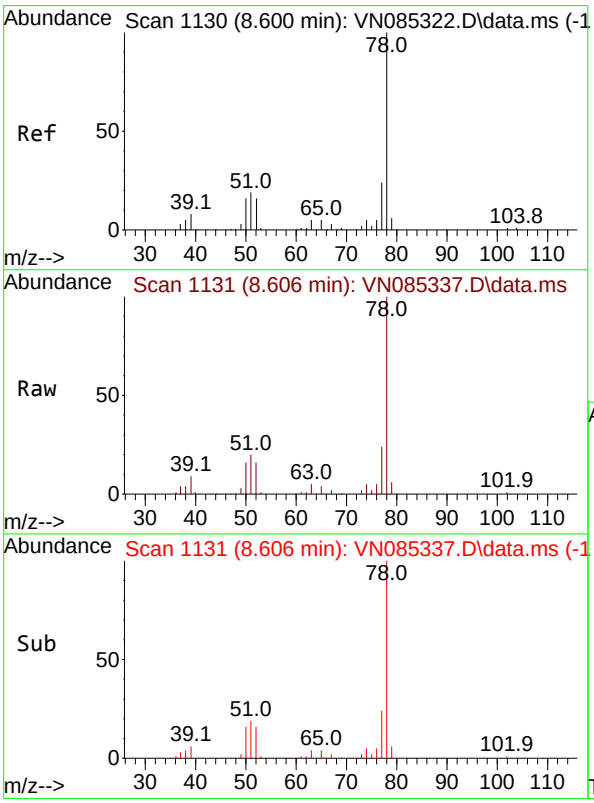
#39
Methylcyclohexane
Concen: 48.731 ug/l
RT: 9.600 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 140749

Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.7	91.1
98	47.5	37.7	56.5

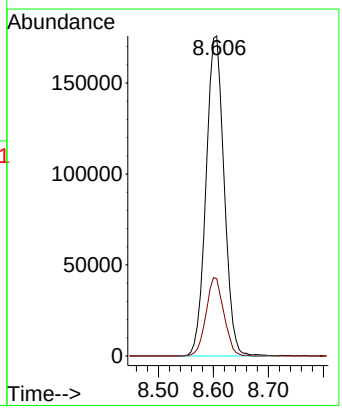


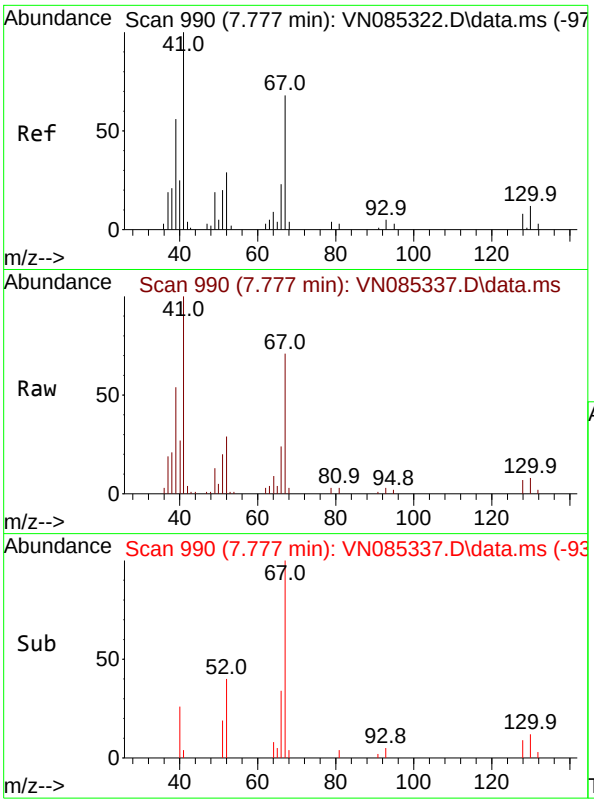


#40
Benzene
Concen: 47.710 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 78 Resp: 401557

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4



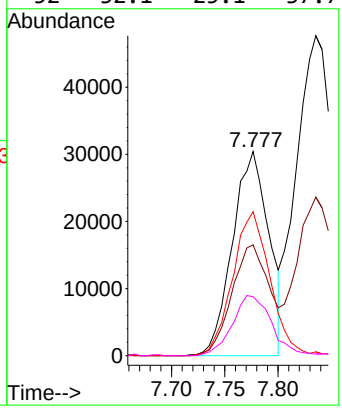


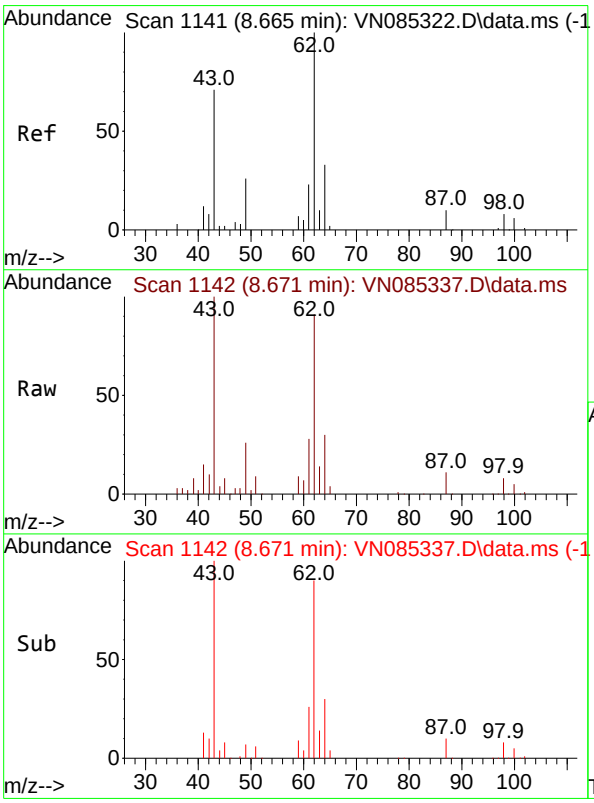
#41
Methacrylonitrile
Concen: 50.926 ug/l
RT: 7.777 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 72165

Ion	Ratio	Lower	Upper
41	100		
39	56.0	45.8	68.8
67	73.0	57.1	85.7
52	32.1	25.1	37.7

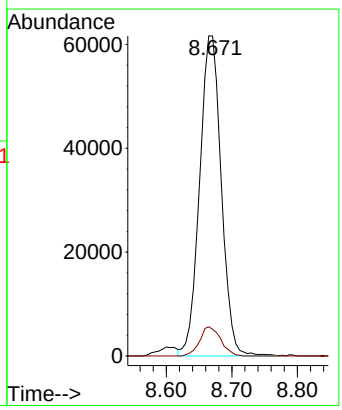


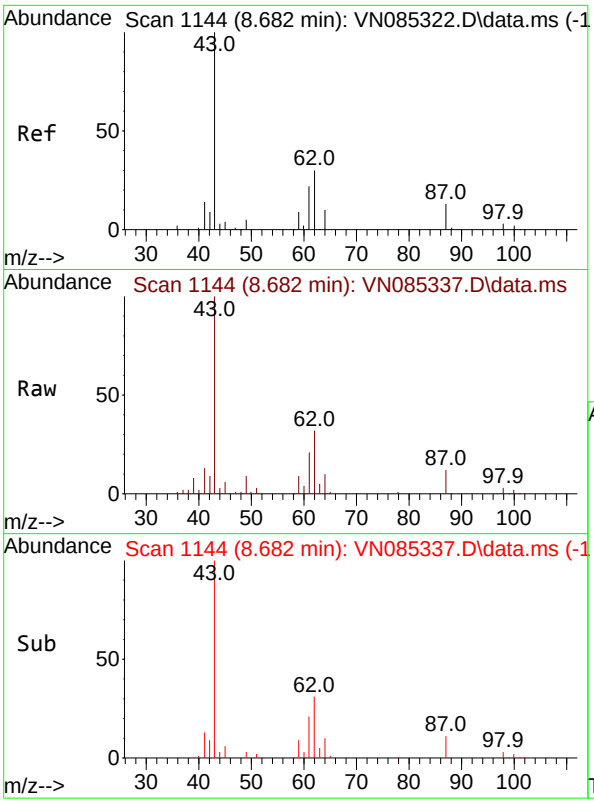


#42
1,2-Dichloroethane
Concen: 47.009 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 62 Resp: 141854

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



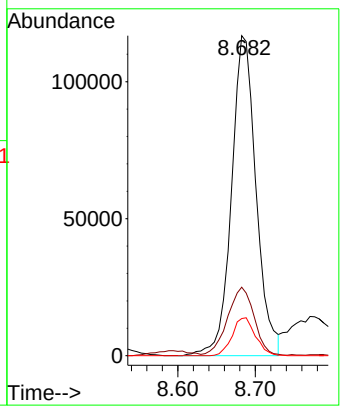


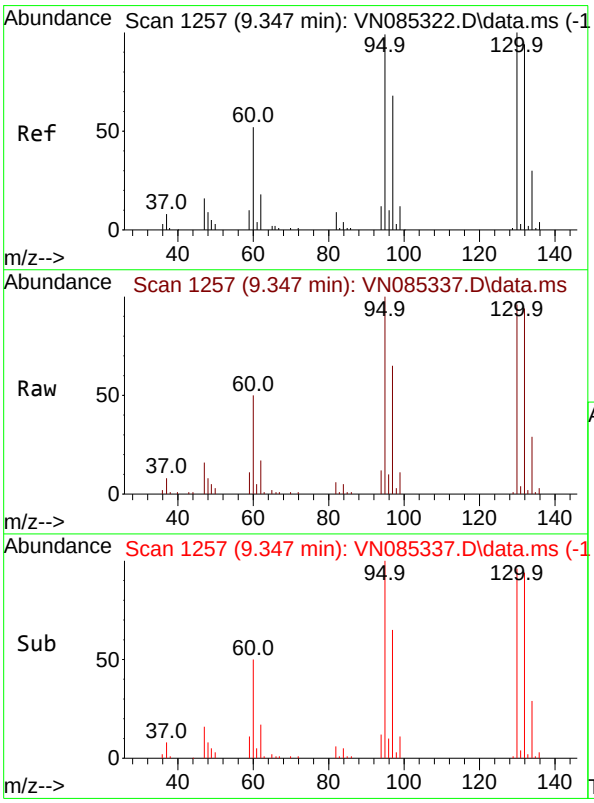
#43
Isopropyl Acetate
Concen: 56.698 ug/l
RT: 8.682 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 258318

Ion	Ratio	Lower	Upper
43	100		
61	22.9	20.8	31.2
87	11.2	10.2	15.4

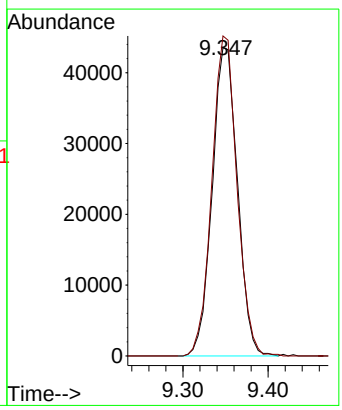


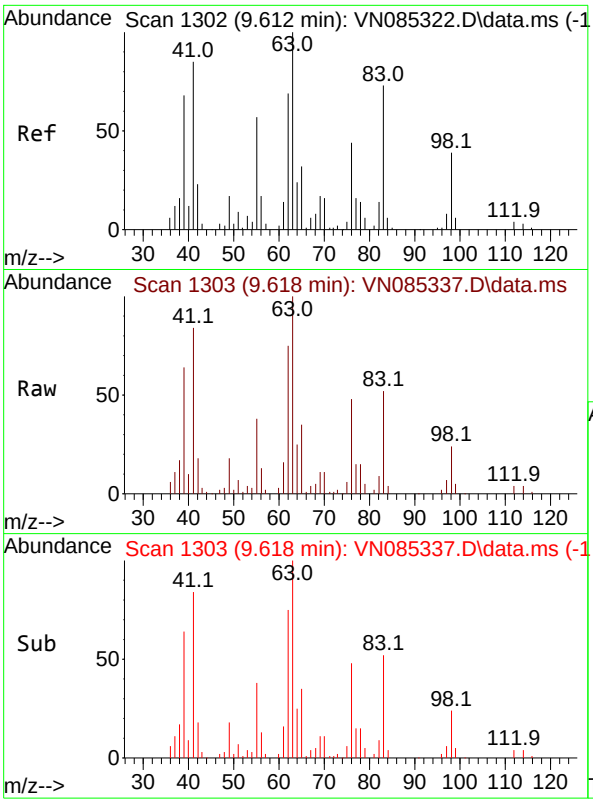


#44
Trichloroethene
Concen: 45.091 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:130 Resp: 89851

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	197.8



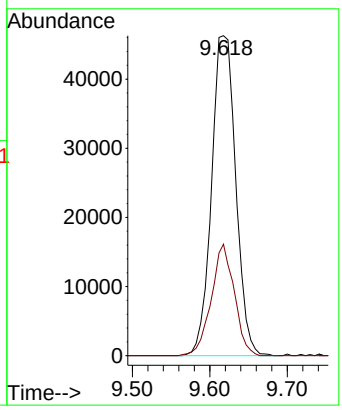


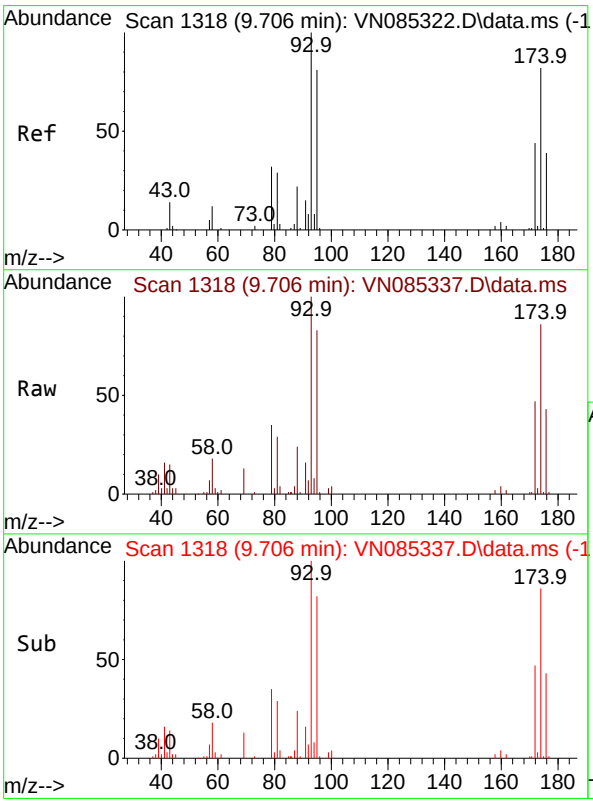
#45
1,2-Dichloropropane
Concen: 47.168 ug/l
RT: 9.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 100779

Ion	Ratio	Lower	Upper
63	100		
65	34.9	25.5	38.3

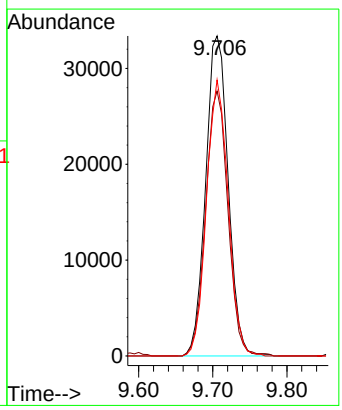


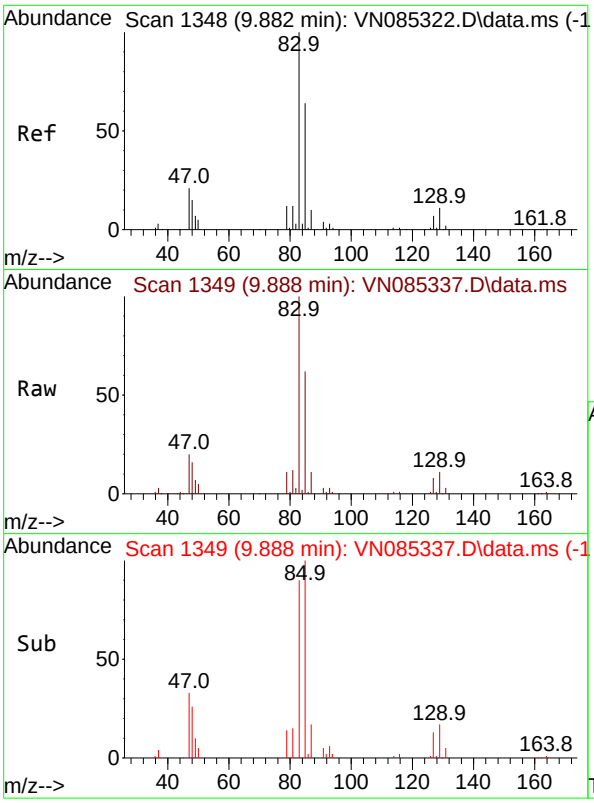


#46
Dibromomethane
Concen: 47.348 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 93 Resp: 70356

Ion	Ratio	Lower	Upper
93	100		
95	82.3	65.3	97.9
174	83.3	66.4	99.6



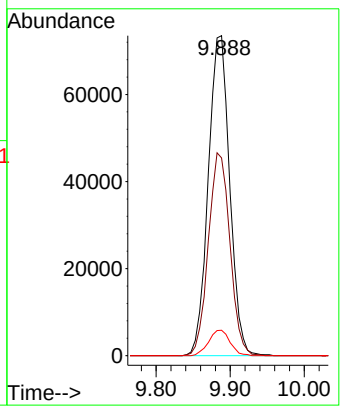


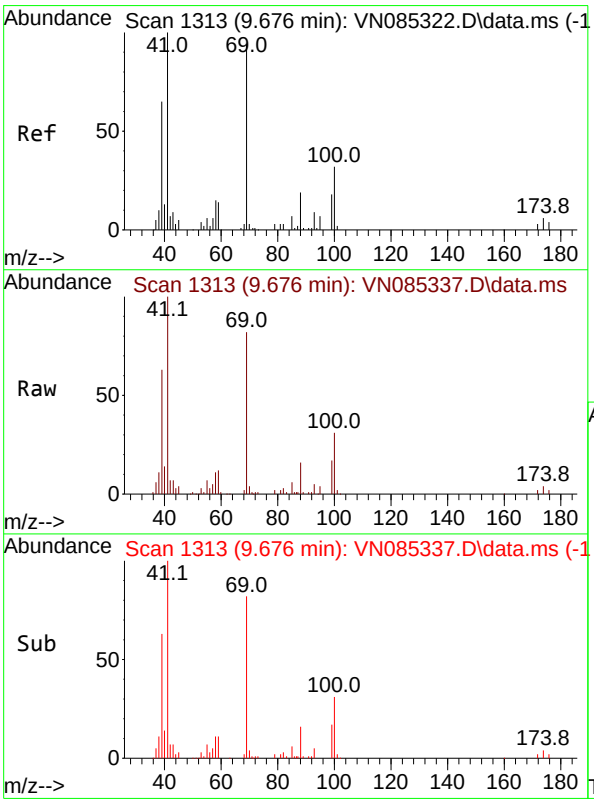
#47
Bromodichloromethane
Concen: 47.752 ug/l
RT: 9.888 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 147480

Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.4
127	8.0	5.8	8.6

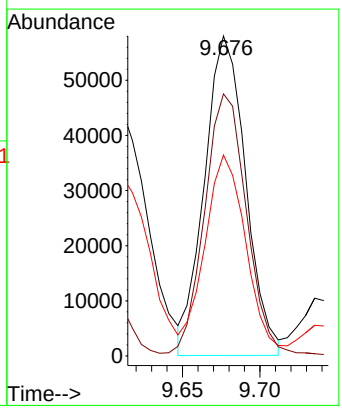


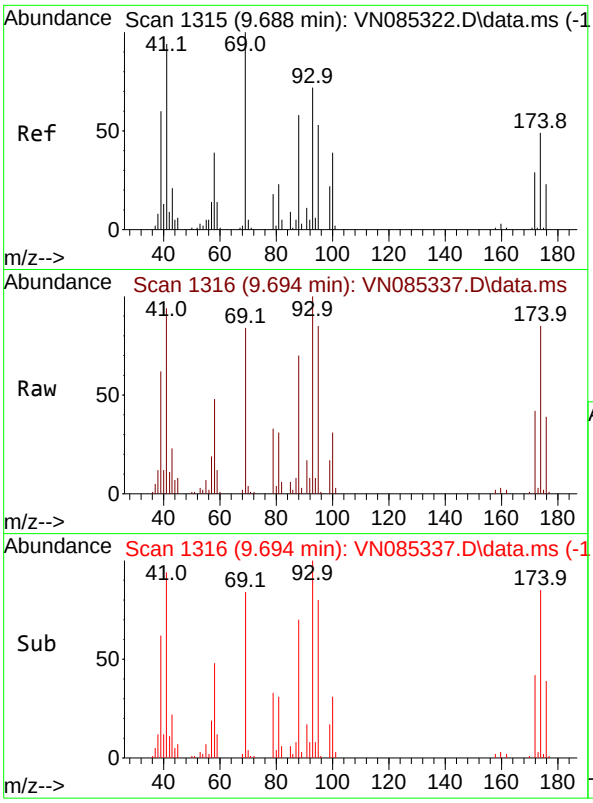


#48
Methyl methacrylate
Concen: 54.215 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 41 Resp: 107180

Ion	Ratio	Lower	Upper
41	100		
69	84.4	67.7	101.5
39	63.7	51.2	76.8



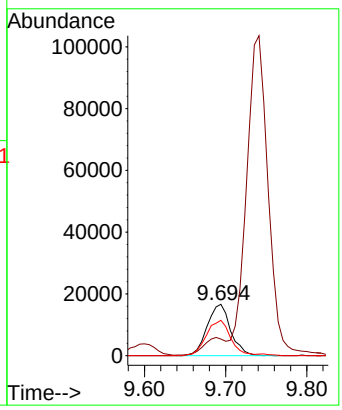


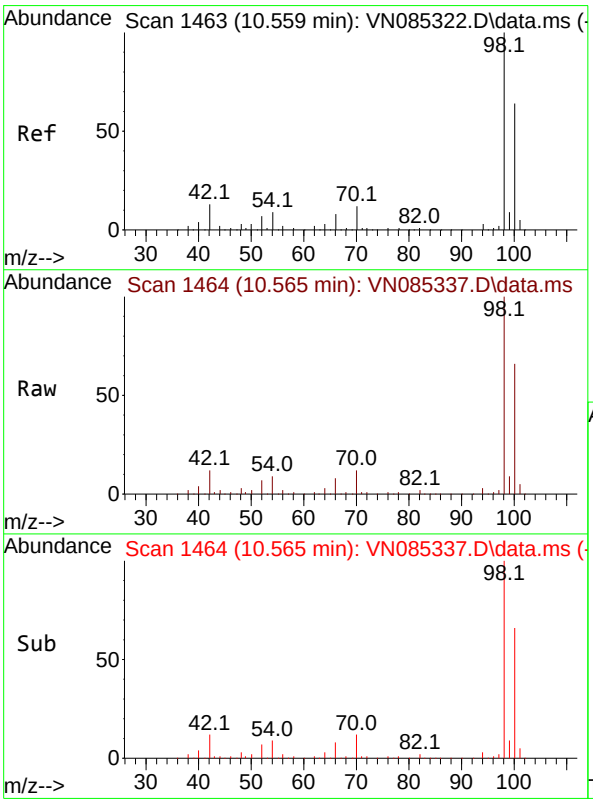
#49
1,4-Dioxane
Concen: 1119.134 ug/l
RT: 9.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 33381

Ion	Ratio	Lower	Upper
88	100		
43	30.6	22.1	33.1
58	73.0	56.7	85.1

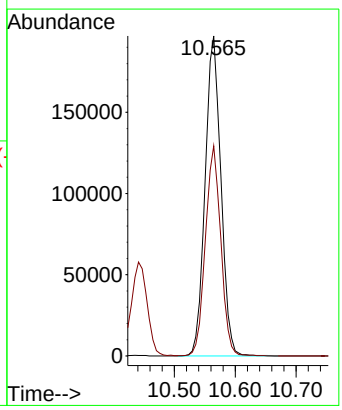


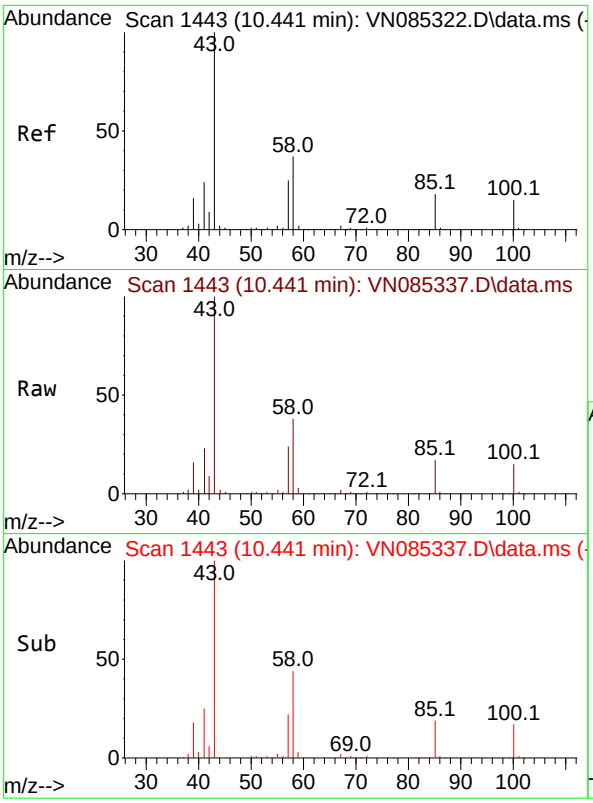


#50
Toluene-d8
Concen: 50.937 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 98 Resp: 355381

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3



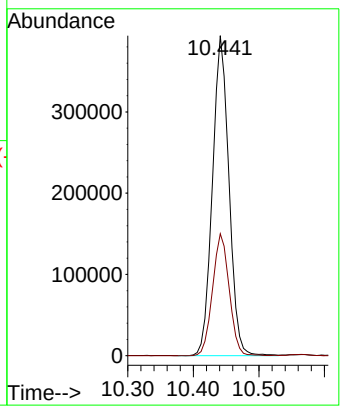


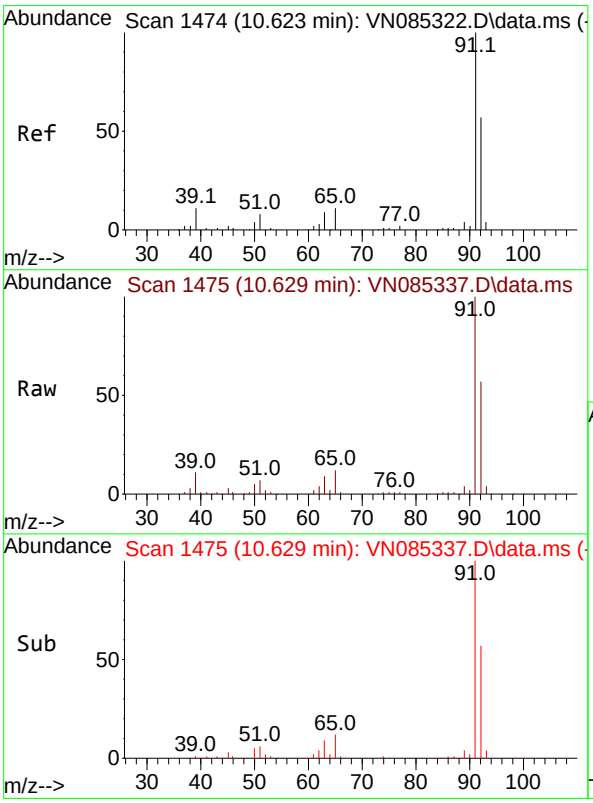
#51
4-Methyl-2-Pentanone
Concen: 268.651 ug/l
RT: 10.441 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 687835

Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.3	45.5

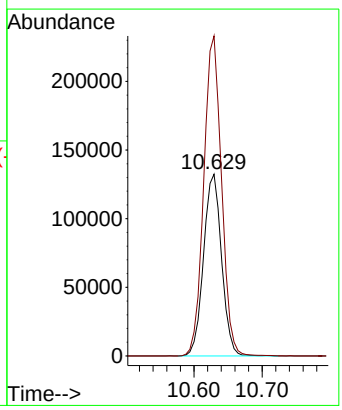


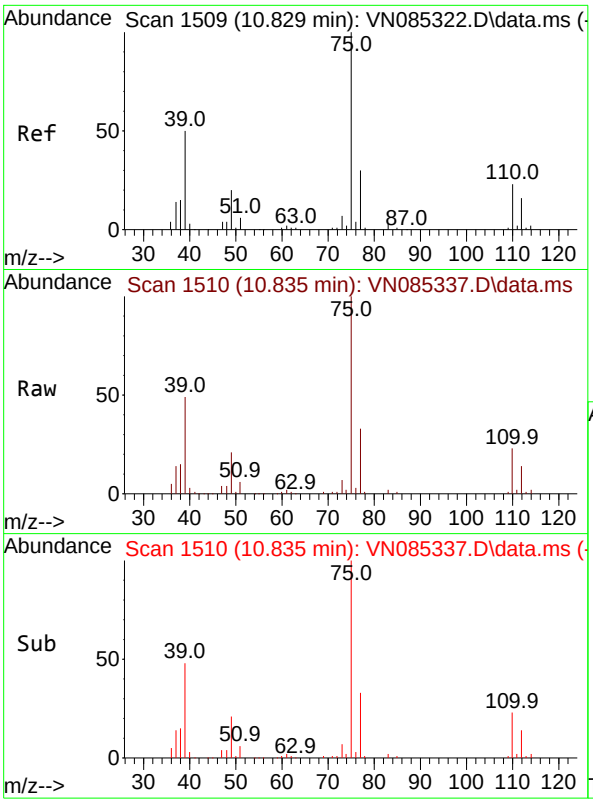


#52
Toluene
Concen: 48.552 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 92 Resp: 243317

Ion	Ratio	Lower	Upper
92	100		
91	174.0	140.2	210.4



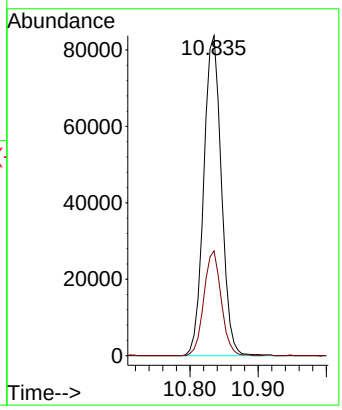


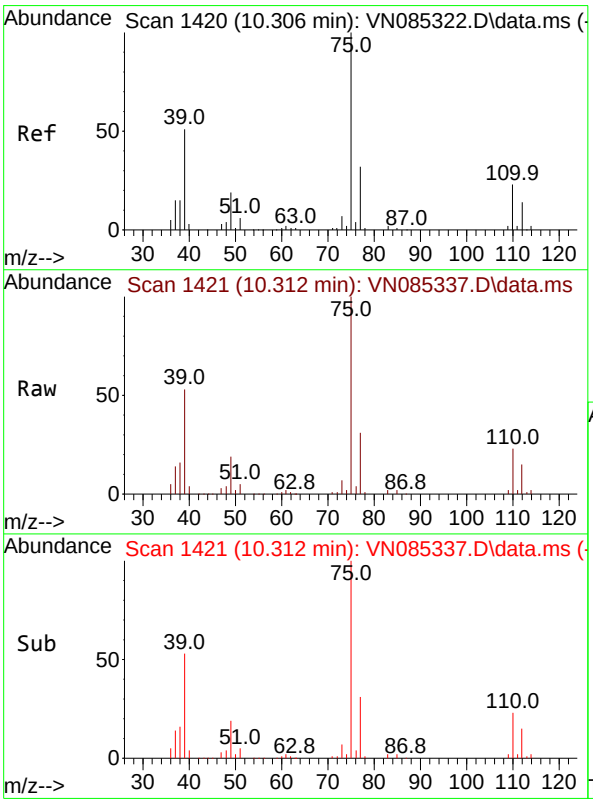
#53
t-1,3-Dichloropropene
Concen: 49.694 ug/l
RT: 10.835 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 150931

Ion	Ratio	Lower	Upper
75	100		
77	32.7	23.8	35.6

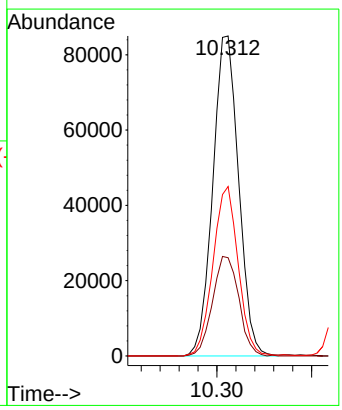


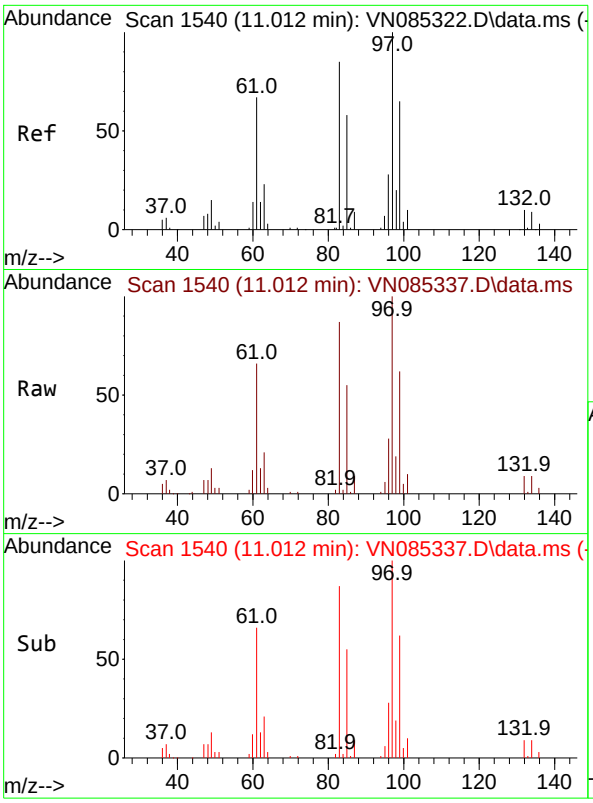


#54
cis-1,3-Dichloropropene
Concen: 48.936 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 160718

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.5	38.3
39	52.9	40.5	60.7



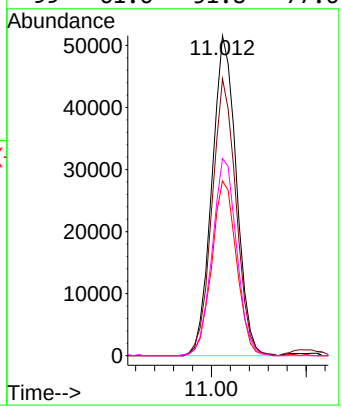


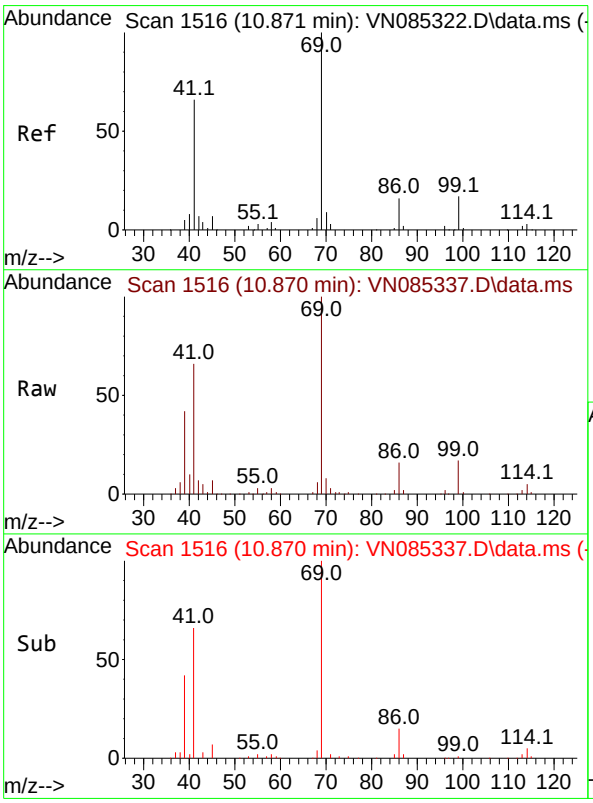
#55
1,1,2-Trichloroethane
Concen: 48.764 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 92267

Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.7	101.5
85	54.6	46.2	69.4
99	61.6	51.8	77.6

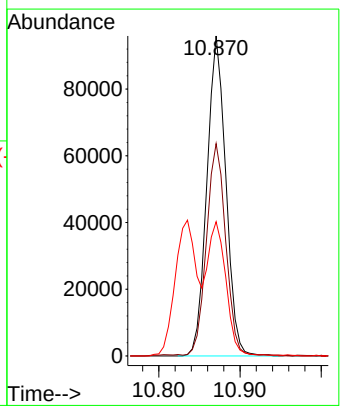


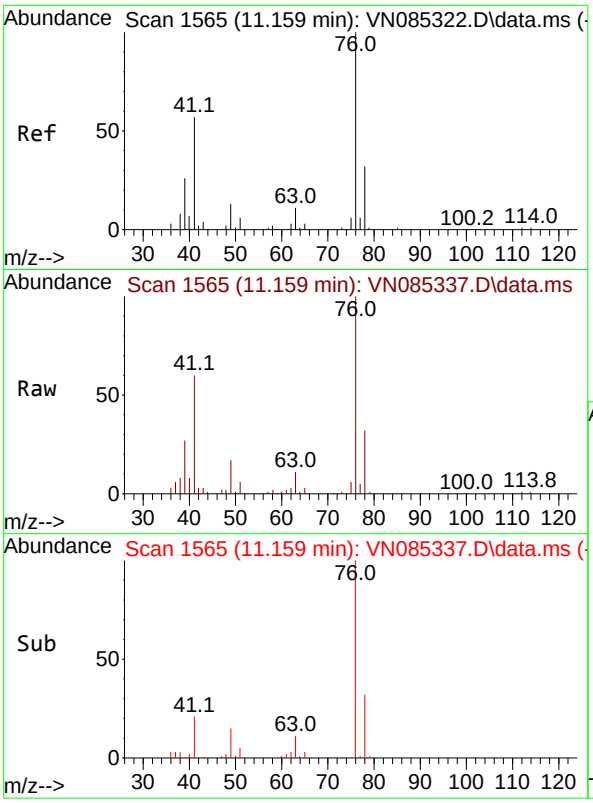


#56
Ethyl methacrylate
Concen: 56.392 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 69 Resp: 155398

Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.3	81.5
39	40.4	32.0	48.0



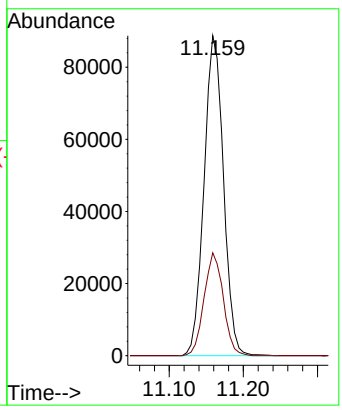


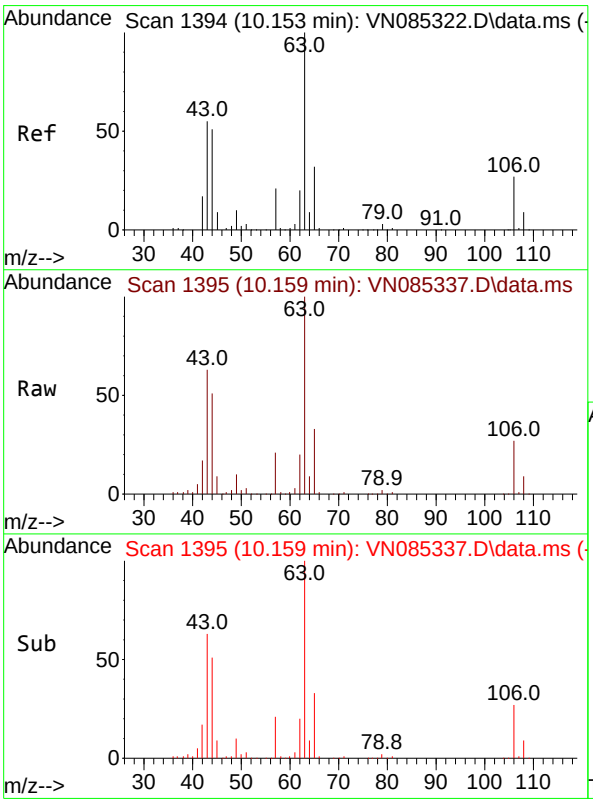
#57
1,3-Dichloropropane
Concen: 48.684 ug/l
RT: 11.159 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 161673

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

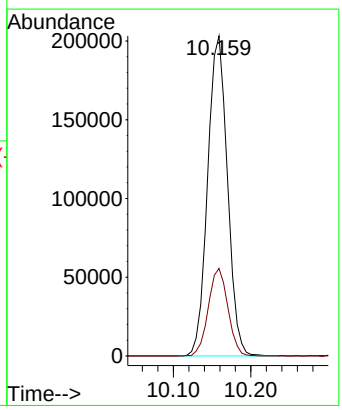


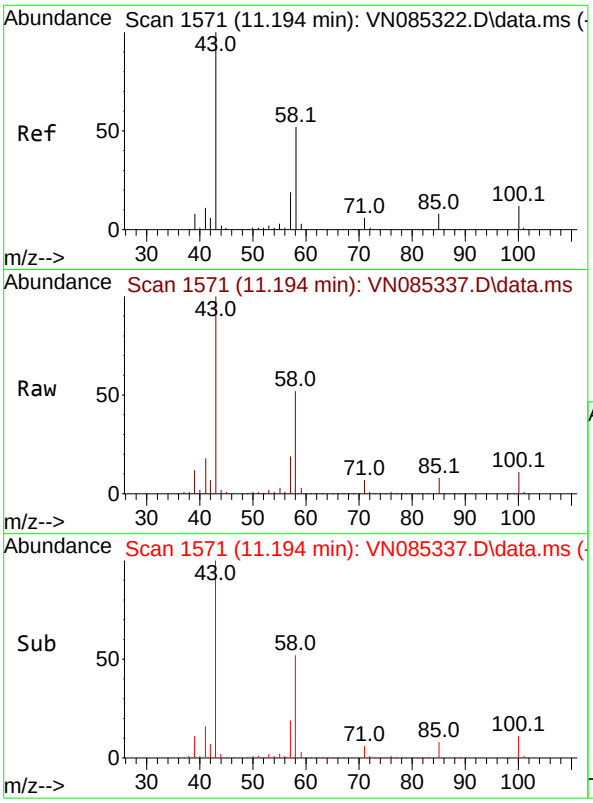


#58
2-Chloroethyl Vinyl ether
Concen: 270.032 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 63 Resp: 360017

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.1	33.1



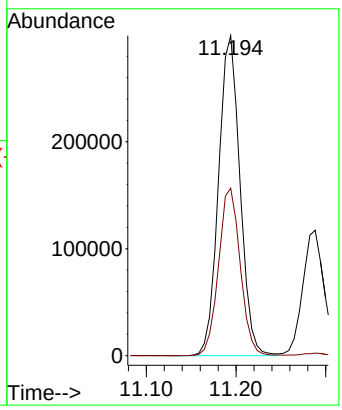


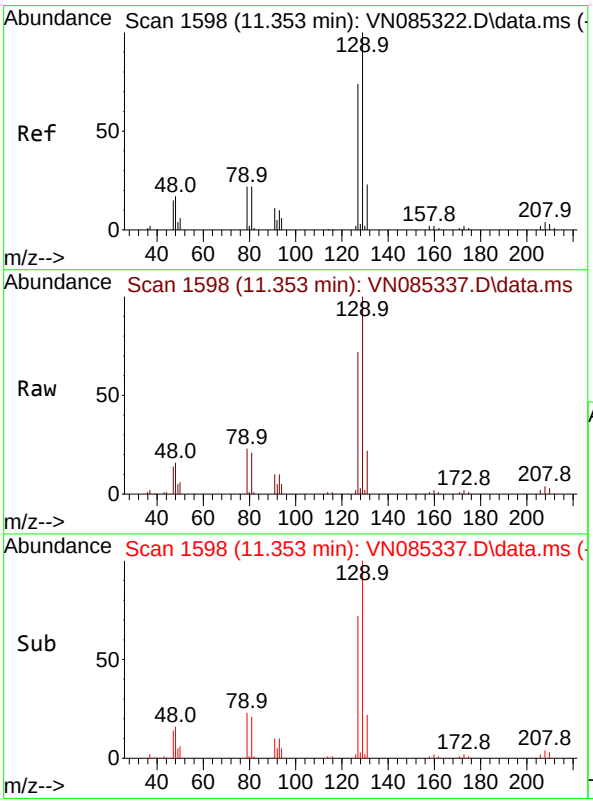
#59
2-Hexanone
Concen: 280.111 ug/l
RT: 11.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 497580

Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.5	79.5

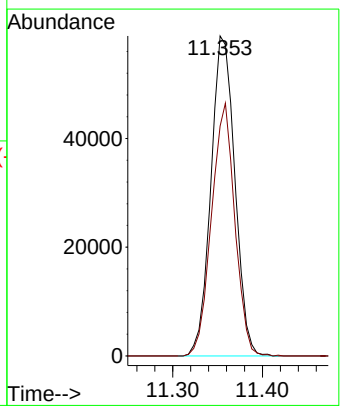


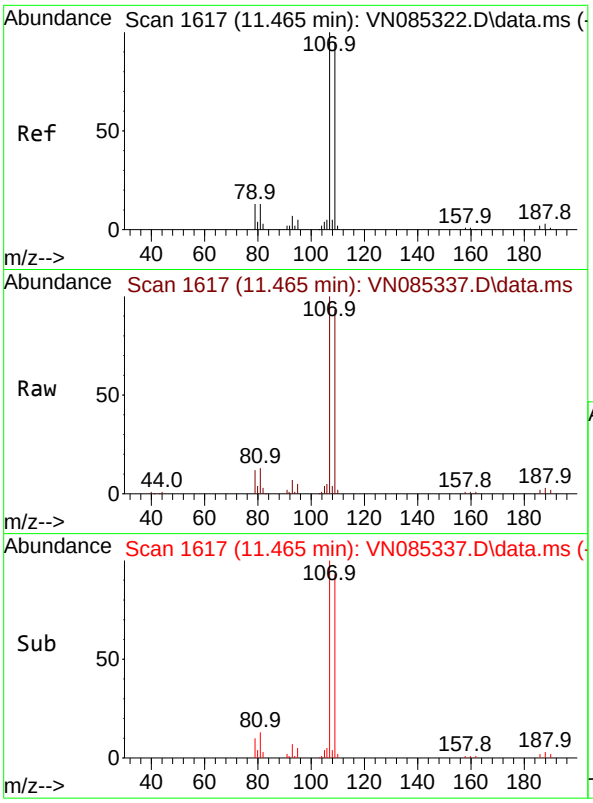


#60
Dibromochloromethane
Concen: 51.180 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:129 Resp: 109072

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.9



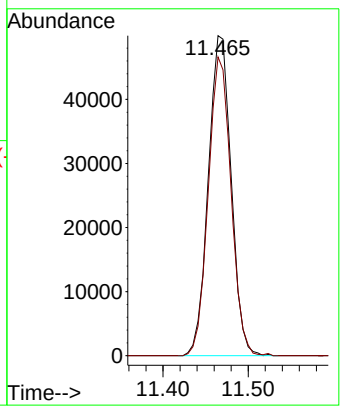


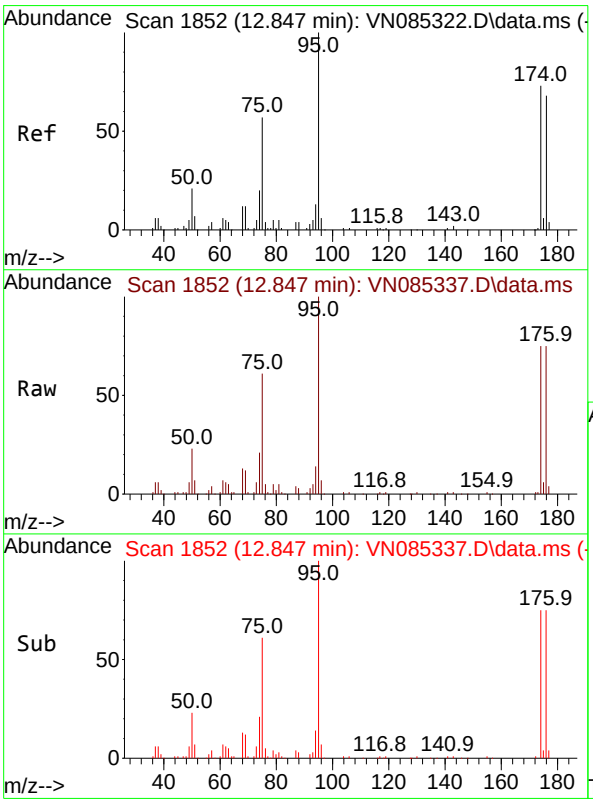
#61
1,2-Dibromoethane
Concen: 49.680 ug/l
RT: 11.465 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 92998

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.9	112.3

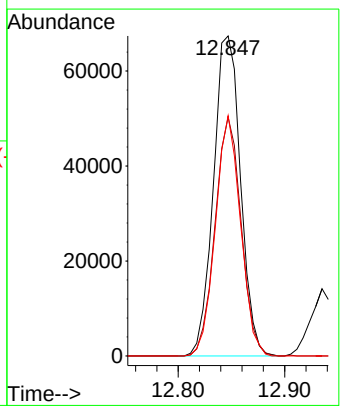


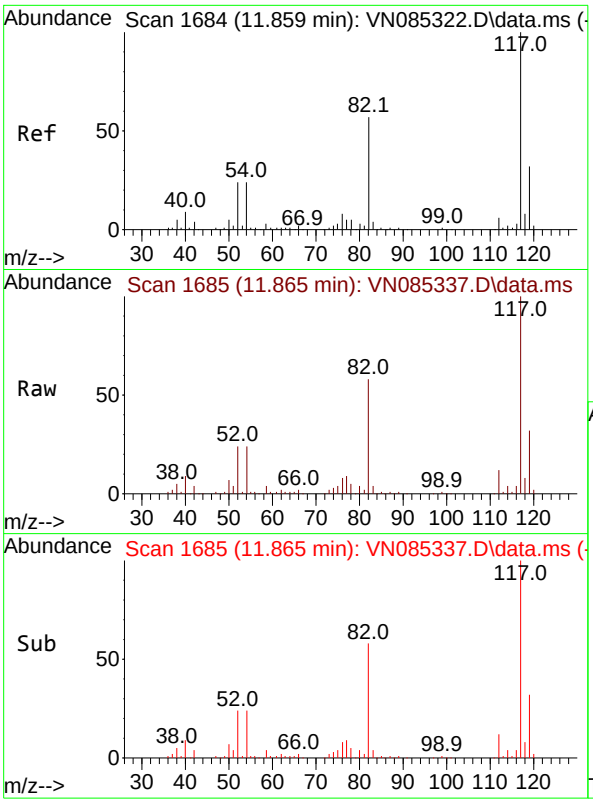


#62
4-Bromofluorobenzene
Concen: 51.260 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 95 Resp: 118775

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	143.2
176	69.8	0.0	135.8



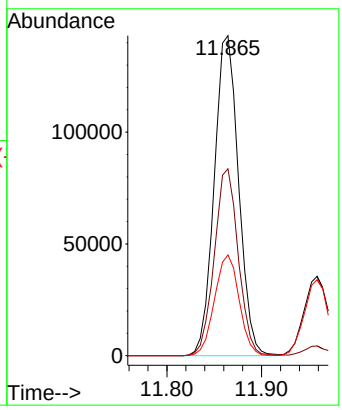


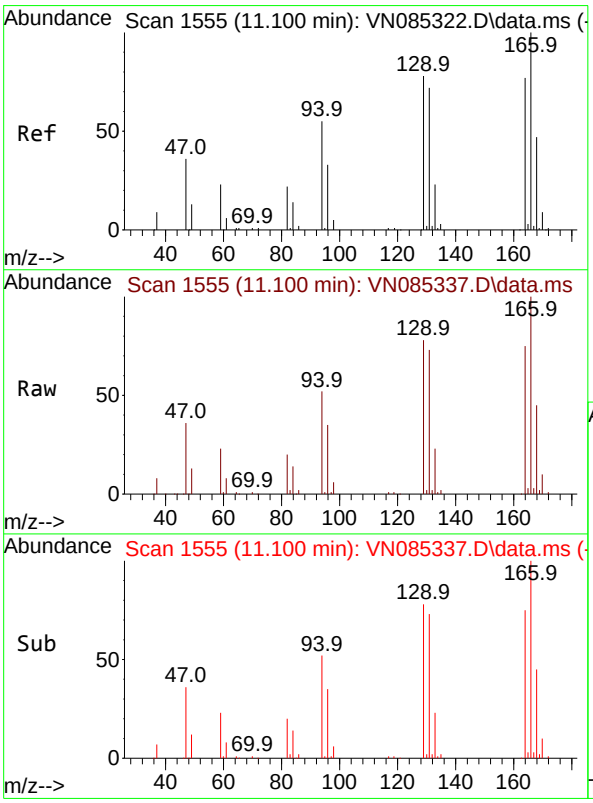
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 256130

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.7	68.5
119	31.5	25.8	38.8

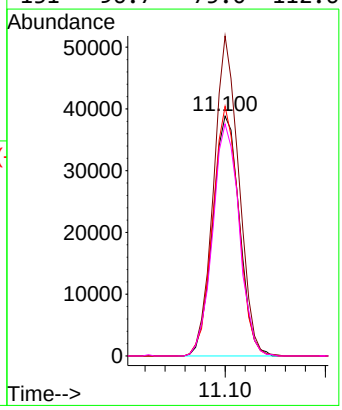


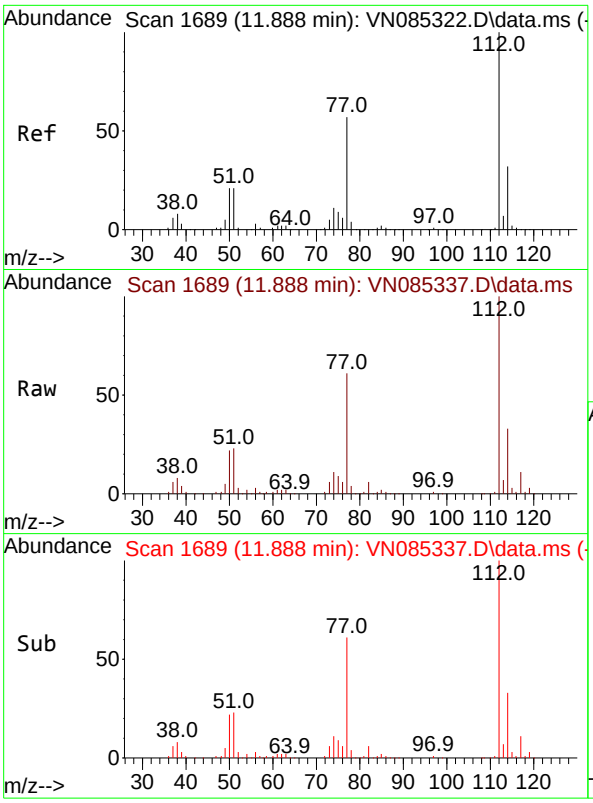


#64
Tetrachloroethene
Concen: 44.300 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:164 Resp: 71896

Ion	Ratio	Lower	Upper
164	100		
166	133.4	104.0	156.0
129	104.0	81.3	121.9
131	96.7	75.0	112.6



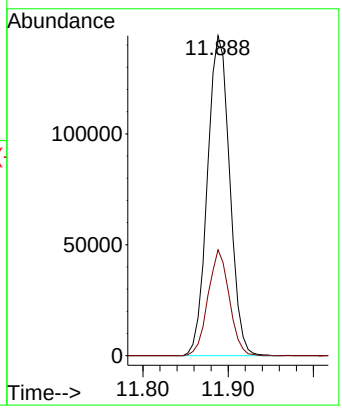


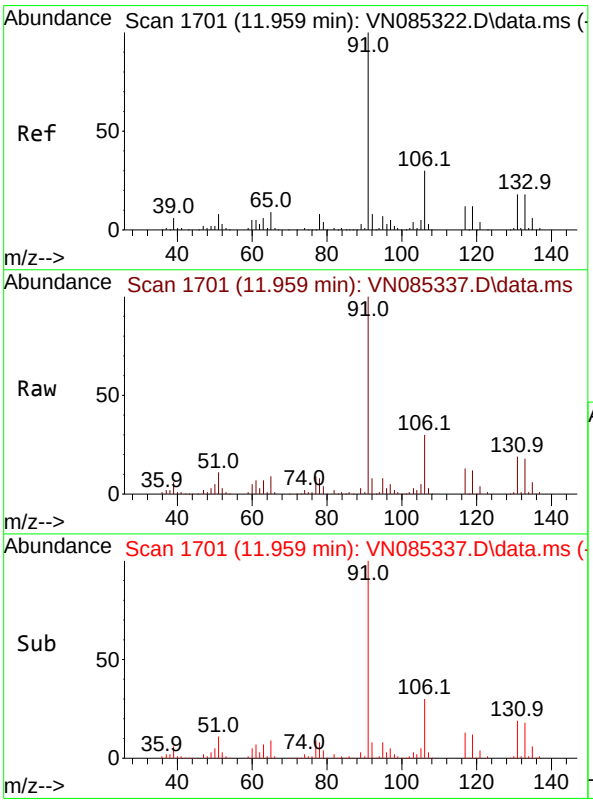
#65
Chlorobenzene
Concen: 47.277 ug/l
RT: 11.888 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 261676

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.2	37.8

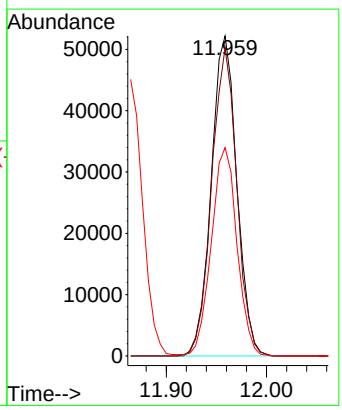


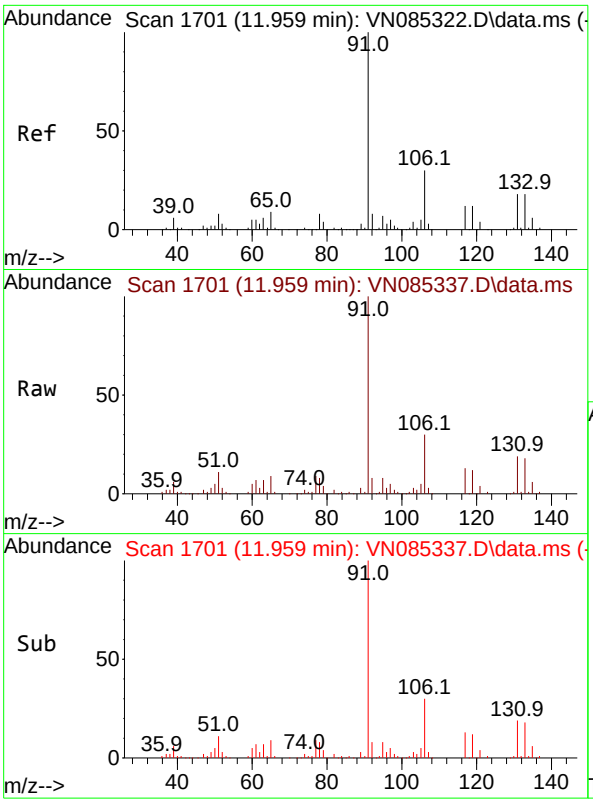


#66
1,1,1,2-Tetrachloroethane
Concen: 49.750 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:131 Resp: 92418

Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.3	144.9
119	65.3	33.4	100.1



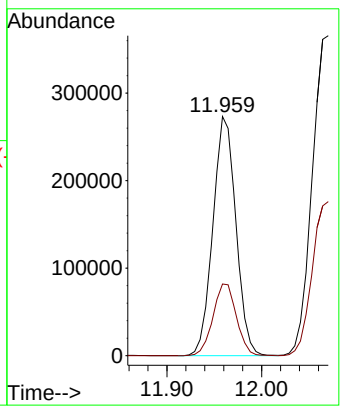


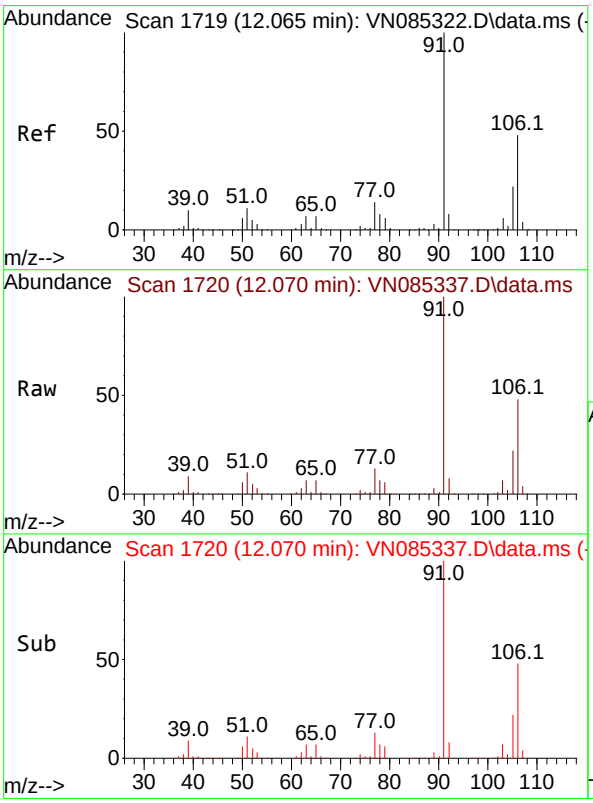
#67
Ethyl Benzene
Concen: 50.123 ug/l
RT: 11.959 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 461376

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0

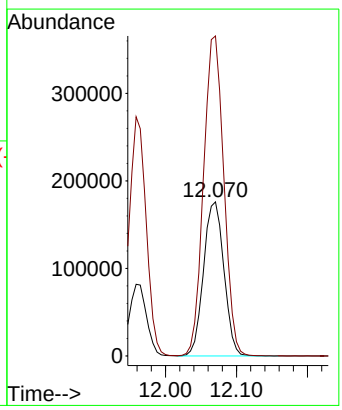


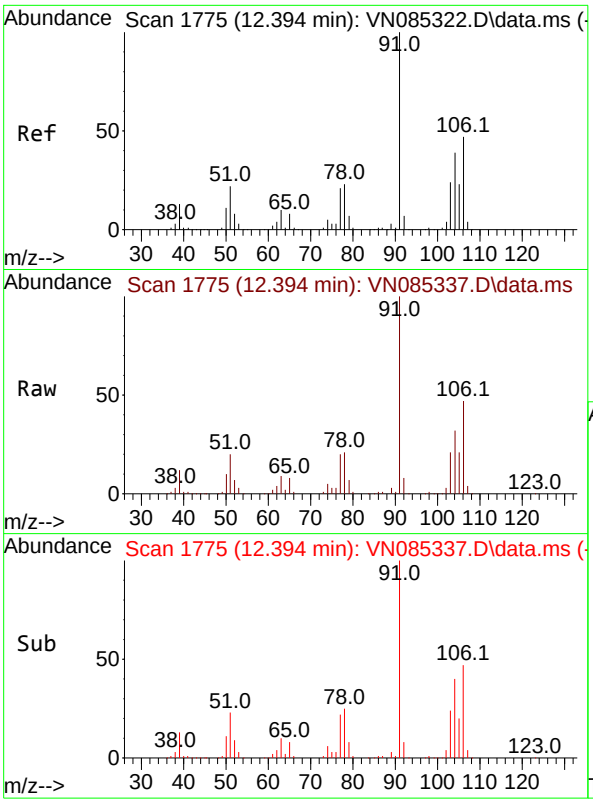


#68
m/p-Xylenes
Concen: 104.245 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:106 Resp: 351159

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.2	247.8



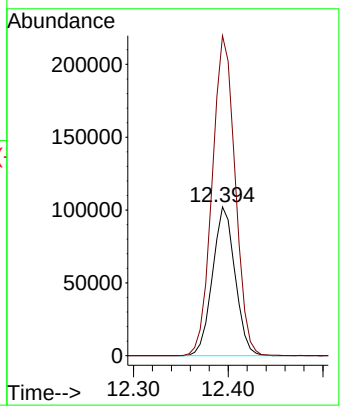


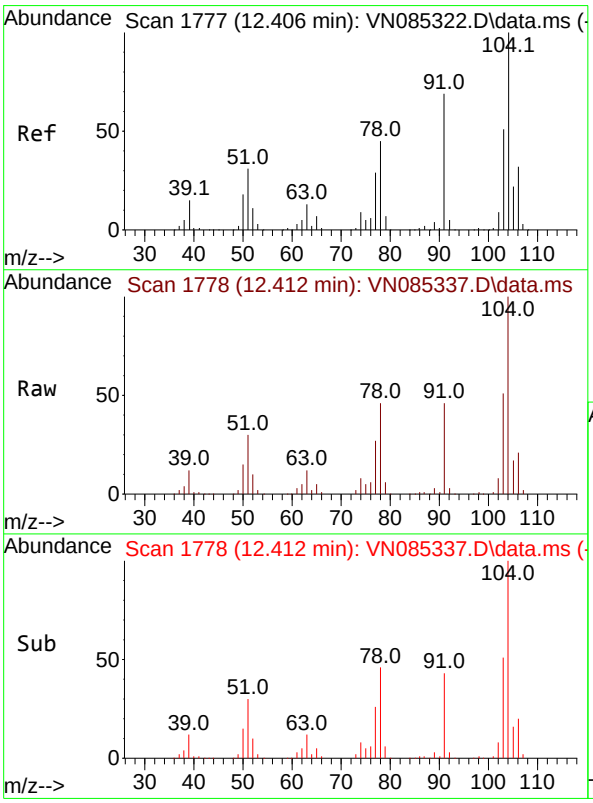
#69
o-Xylene
Concen: 51.838 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 168921

Ion	Ratio	Lower	Upper
106	100		
91	219.0	107.3	321.8

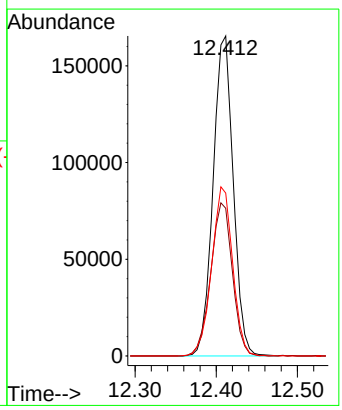


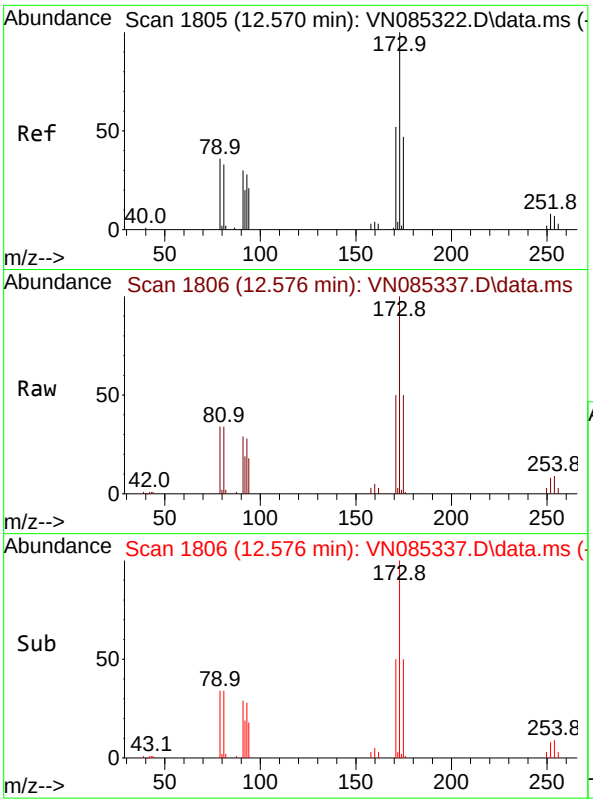


#70
Styrene
Concen: 54.081 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:104 Resp: 285621

Ion	Ratio	Lower	Upper
104	100		
78	51.4	40.7	61.1
103	55.0	44.1	66.1



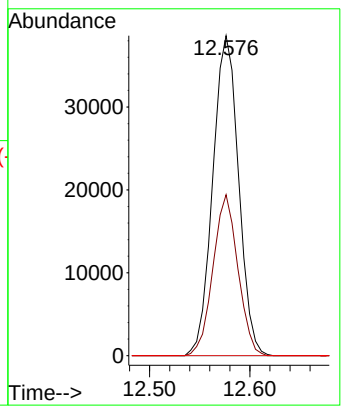


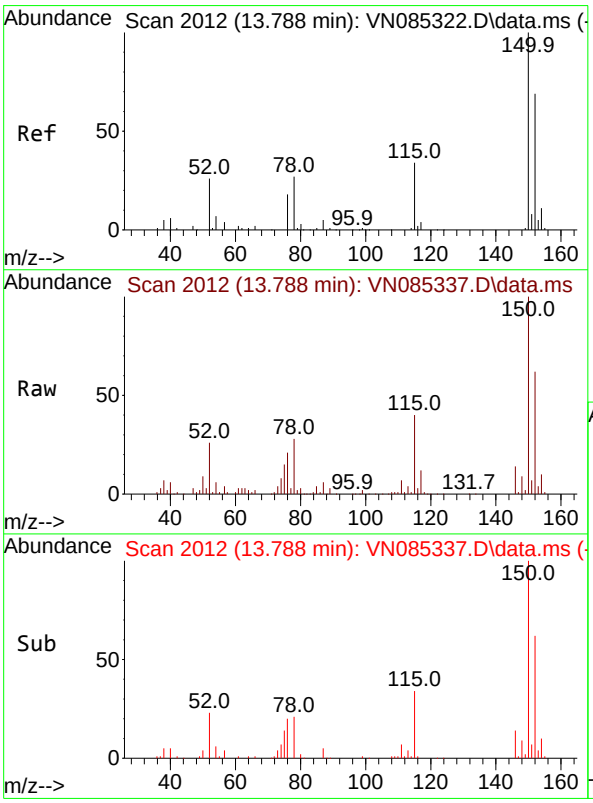
#71
Bromoform
Concen: 53.619 ug/l
RT: 12.576 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 68988

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0

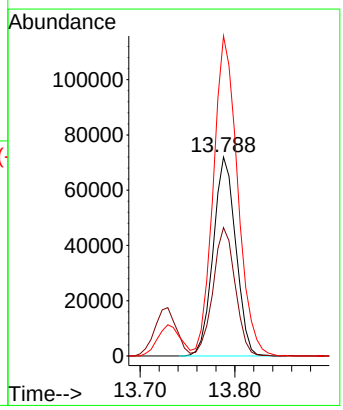


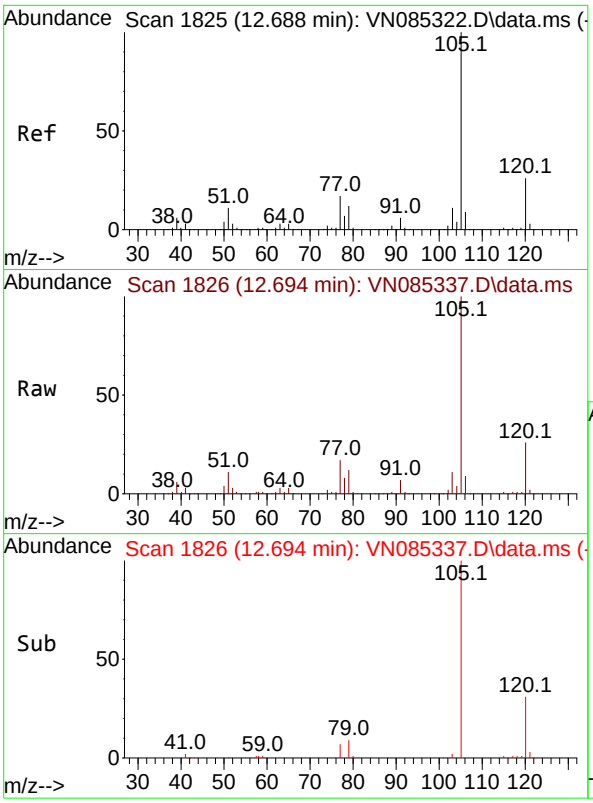


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:152 Resp: 119158

Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.4	91.3
150	173.4	0.0	345.0



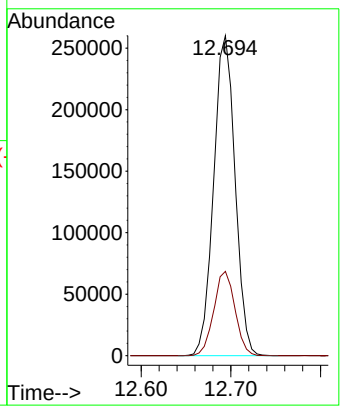


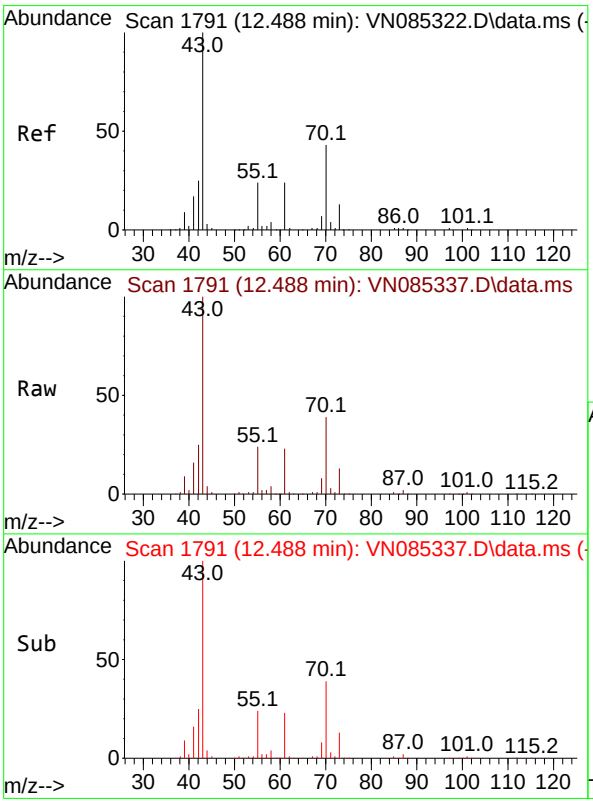
#73
Isopropylbenzene
Concen: 50.287 ug/l
RT: 12.694 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 430895

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.6

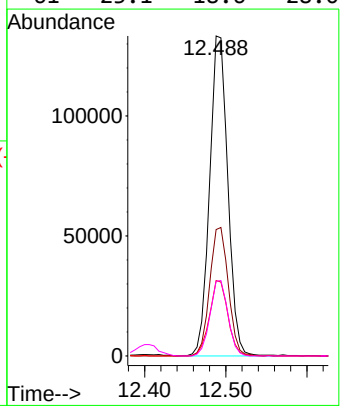


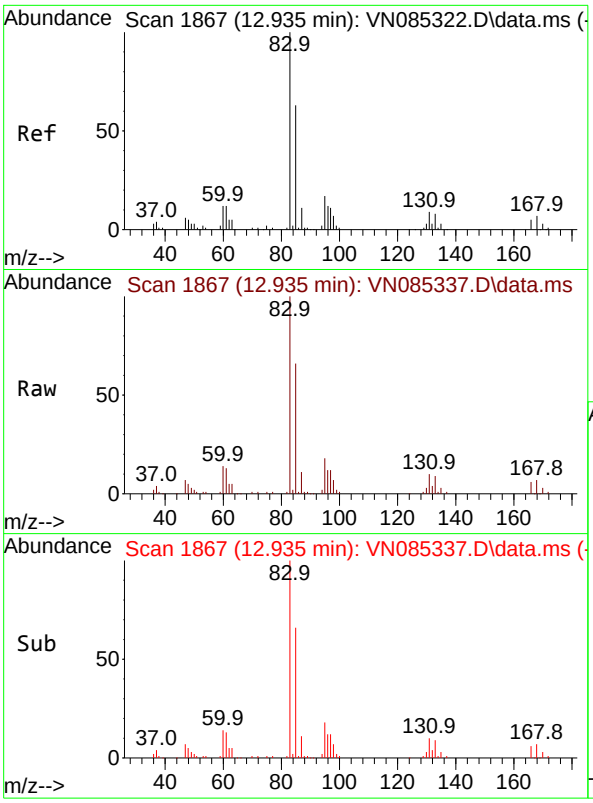


#74
N-amyl acetate
Concen: 56.680 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 43 Resp: 207891

Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.4	50.0
55	23.8	19.2	28.8
61	23.1	18.6	28.0



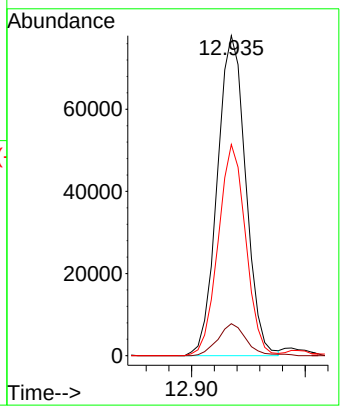


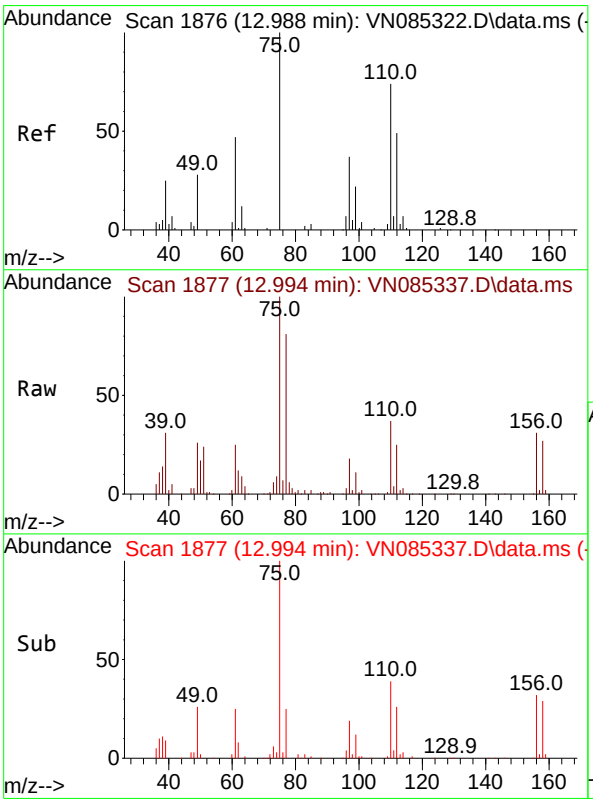
#75
1,1,2,2-Tetrachloroethane
Concen: 49.623 ug/l
RT: 12.935 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 135425

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.4
85	63.9	32.6	98.0

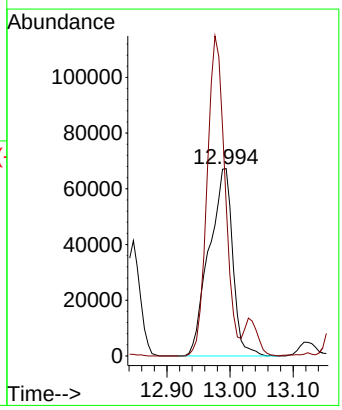


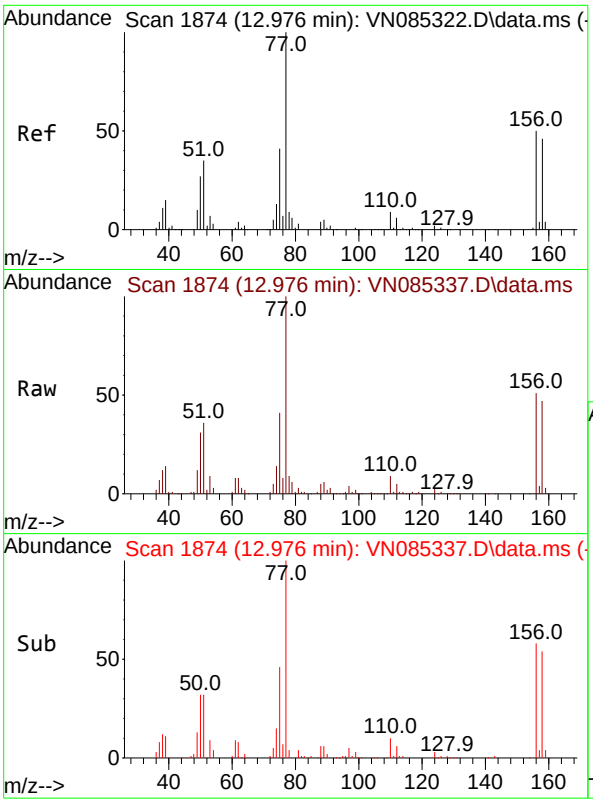


#76
1,2,3-Trichloropropane
Concen: 78.636 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 174976

Ion	Ratio	Lower	Upper
75	100		
77	129.8	98.1	294.3



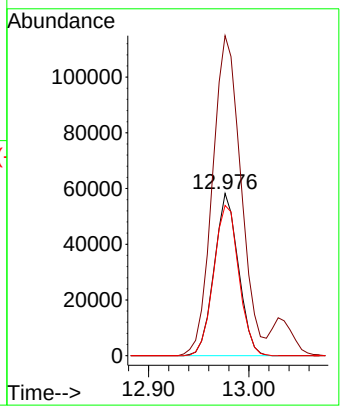


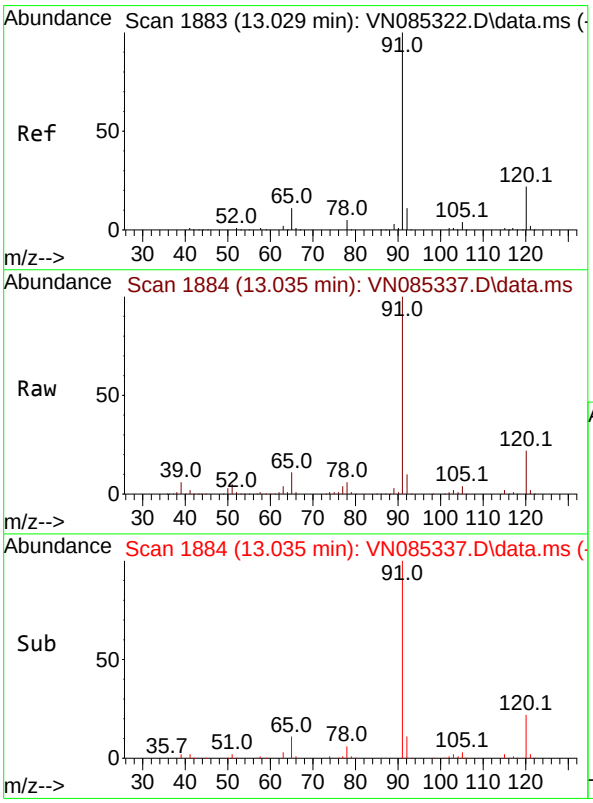
#77
Bromobenzene
Concen: 45.760 ug/l
RT: 12.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 97145

Ion	Ratio	Lower	Upper
156	100		
77	233.7	114.0	342.0
158	96.8	47.6	142.8

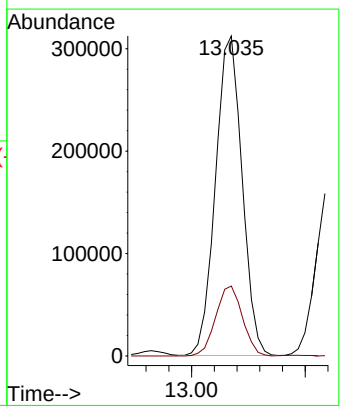


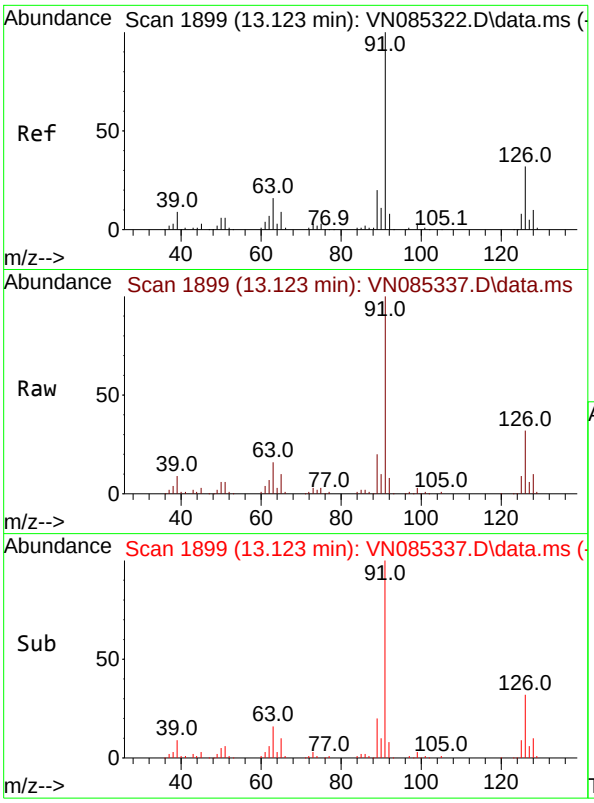


#78
n-propylbenzene
Concen: 50.717 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 506572

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9



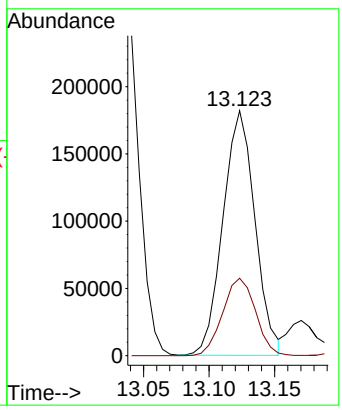


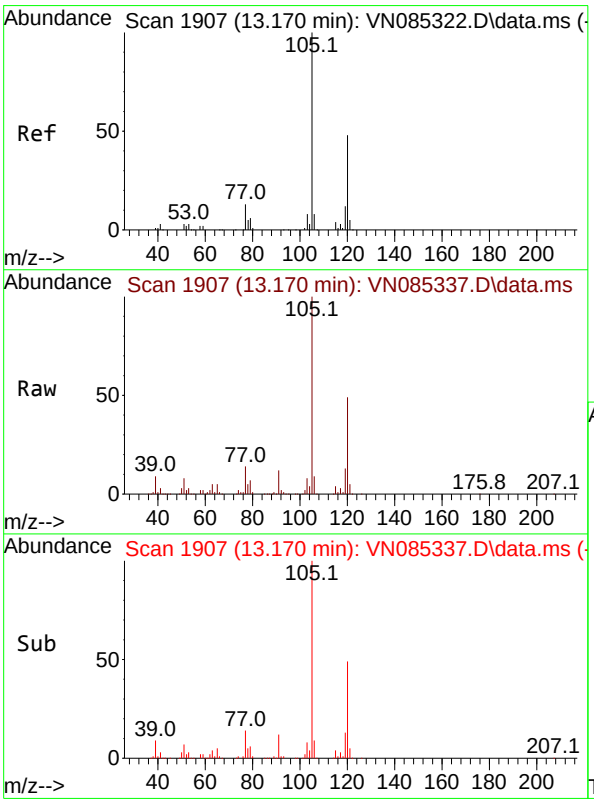
#79
2-Chlorotoluene
Concen: 49.202 ug/l
RT: 13.123 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 309290

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	48.0

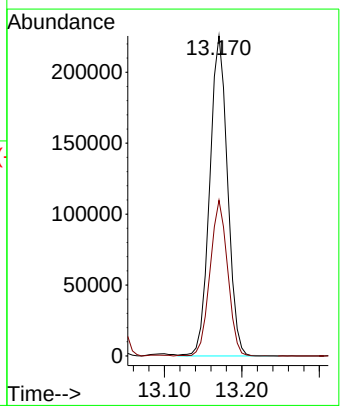


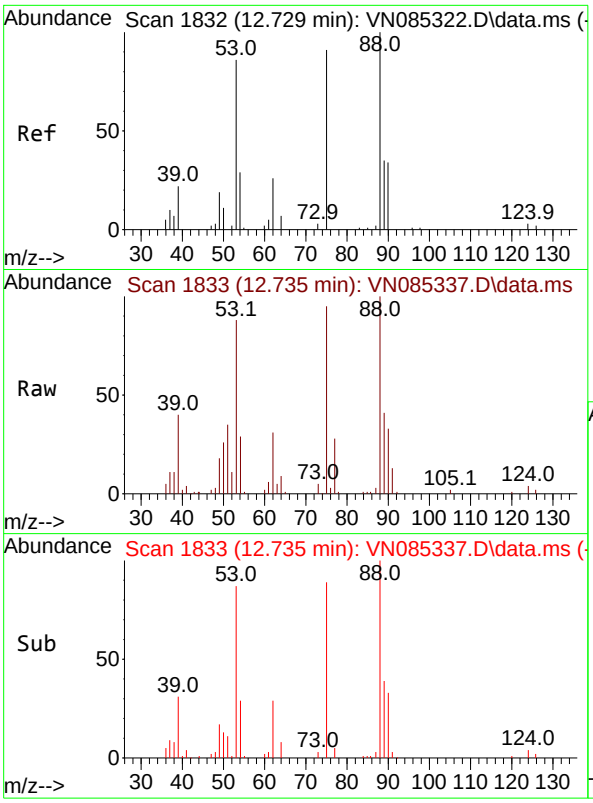


#80
1,3,5-Trimethylbenzene
Concen: 51.871 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 359513

Ion	Ratio	Lower	Upper
105	100		
120	48.2	24.0	72.0



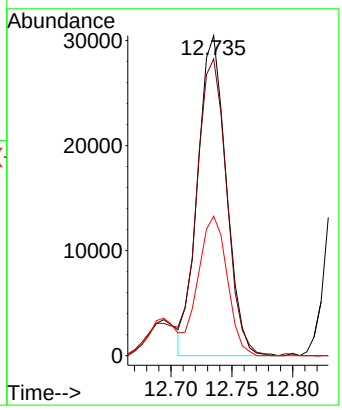


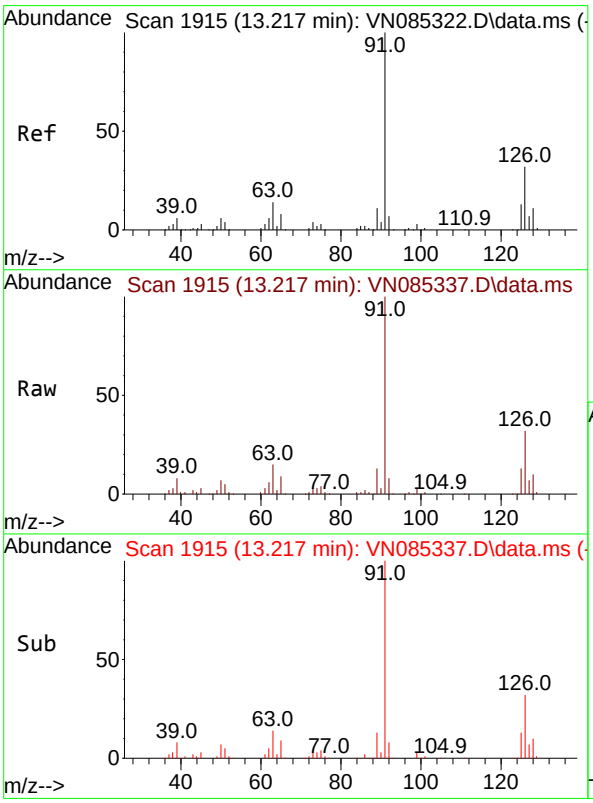
#81
trans-1,4-Dichloro-2-butene
Concen: 53.330 ug/l
RT: 12.735 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 49551

Ion	Ratio	Lower	Upper
75	100		
53	107.9	80.0	120.0
89	44.8	35.8	53.8

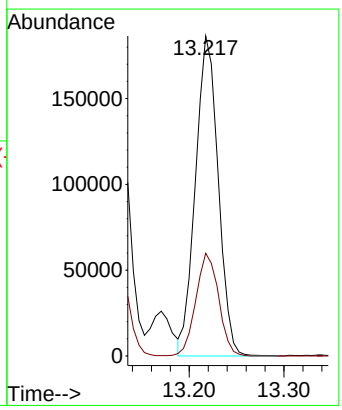


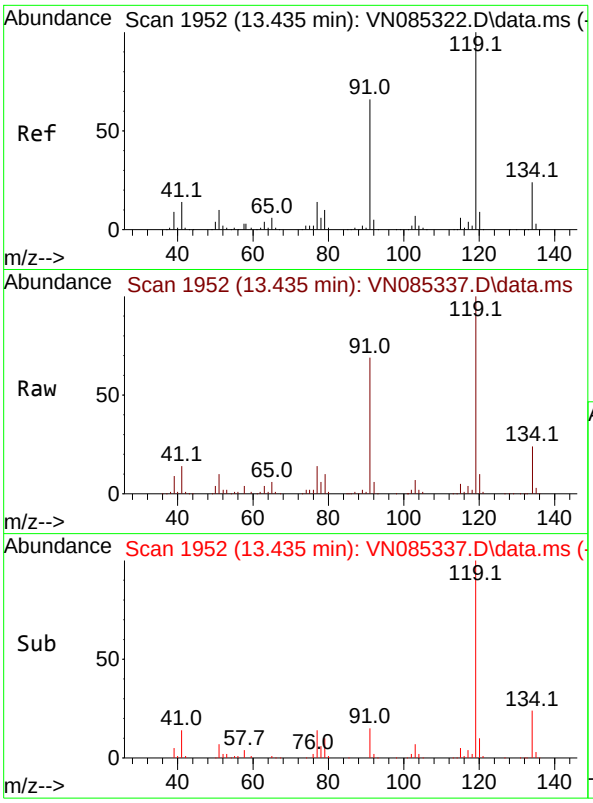


#82
4-Chlorotoluene
Concen: 49.151 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 91 Resp: 311175

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4



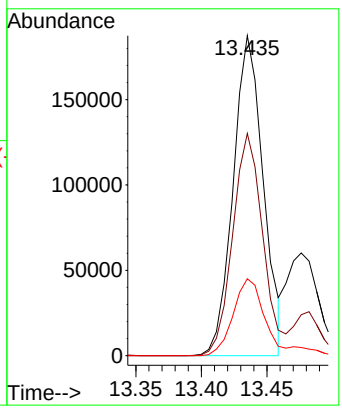


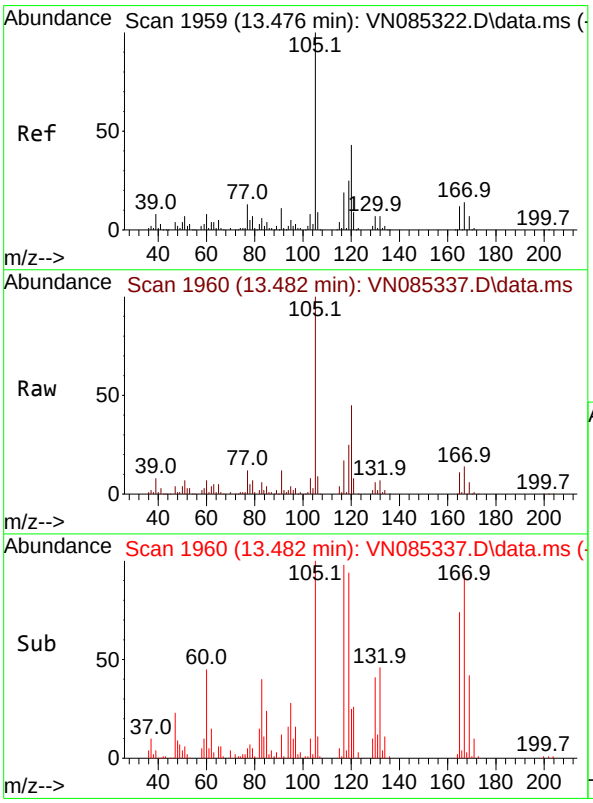
#83
tert-Butylbenzene
Concen: 49.875 ug/l
RT: 13.435 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 299444

Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.6	100.8
134	26.8	13.3	39.8

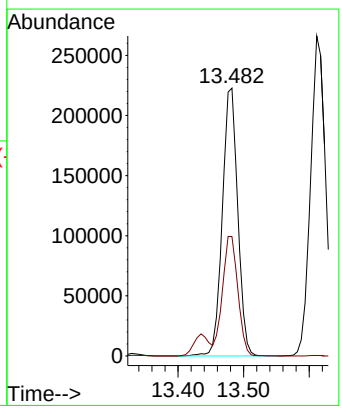


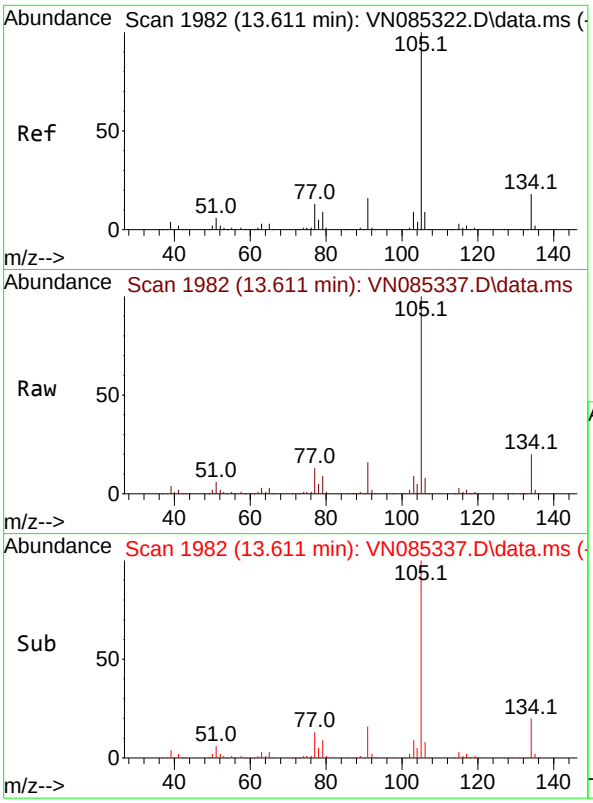


#84
1,2,4-Trimethylbenzene
Concen: 52.558 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:105 Resp: 362722

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.7	65.1



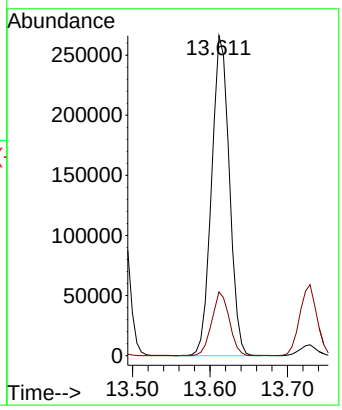


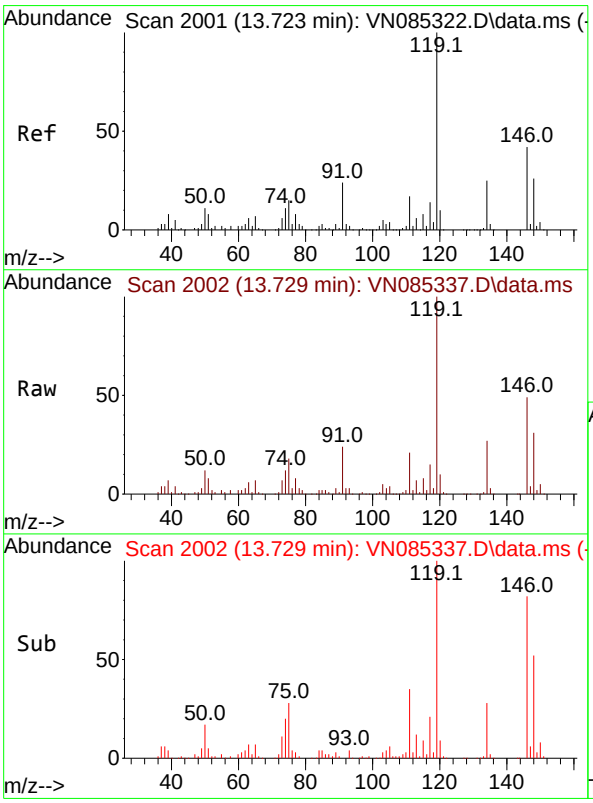
#85
sec-Butylbenzene
Concen: 50.868 ug/l
RT: 13.611 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 423924

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.4	28.3

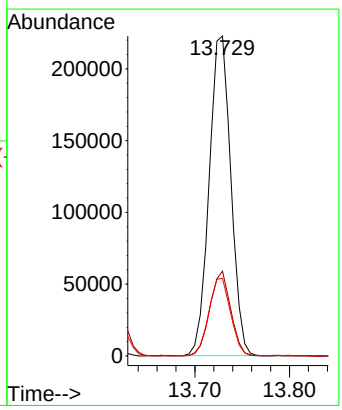


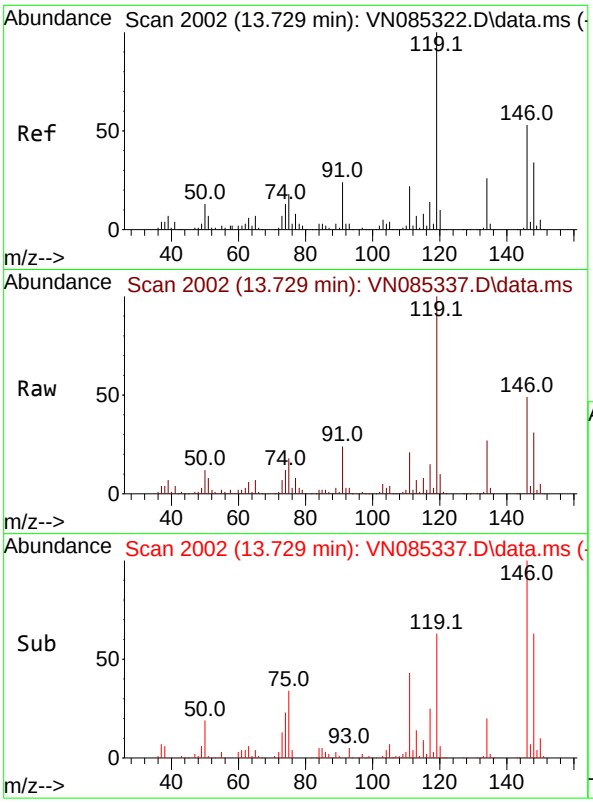


#86
p-Isopropyltoluene
Concen: 47.752 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:119 Resp: 355028

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	24.3	12.2	36.4



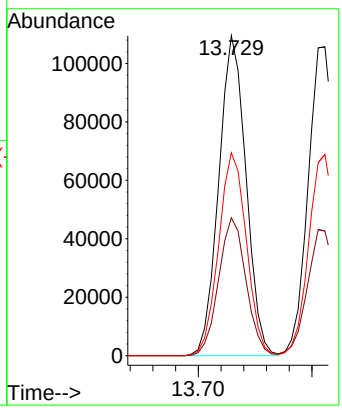


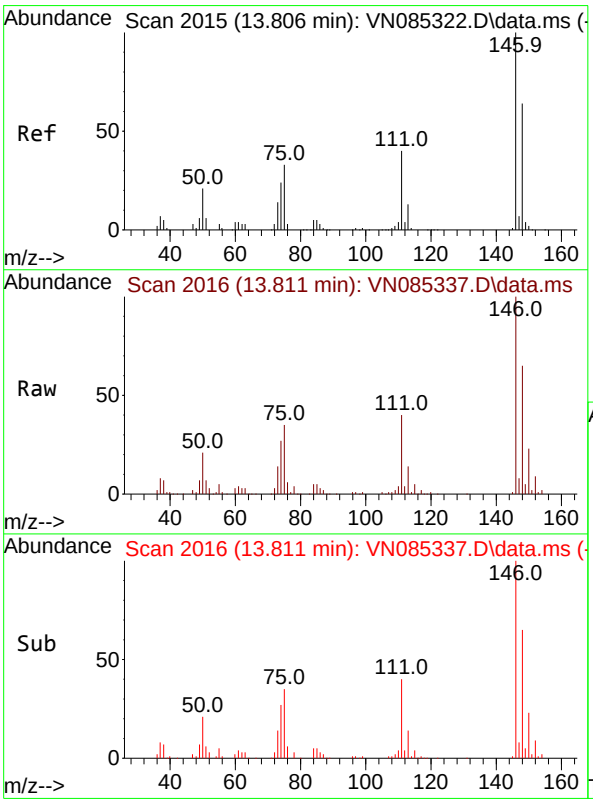
#87
1,3-Dichlorobenzene
Concen: 47.408 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 182452

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	64.7	31.5	94.5

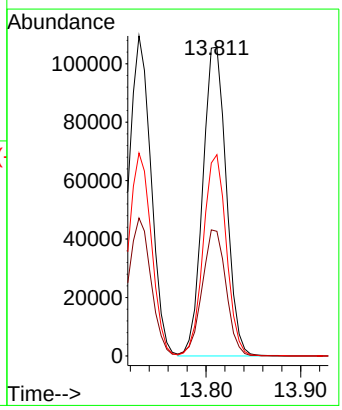


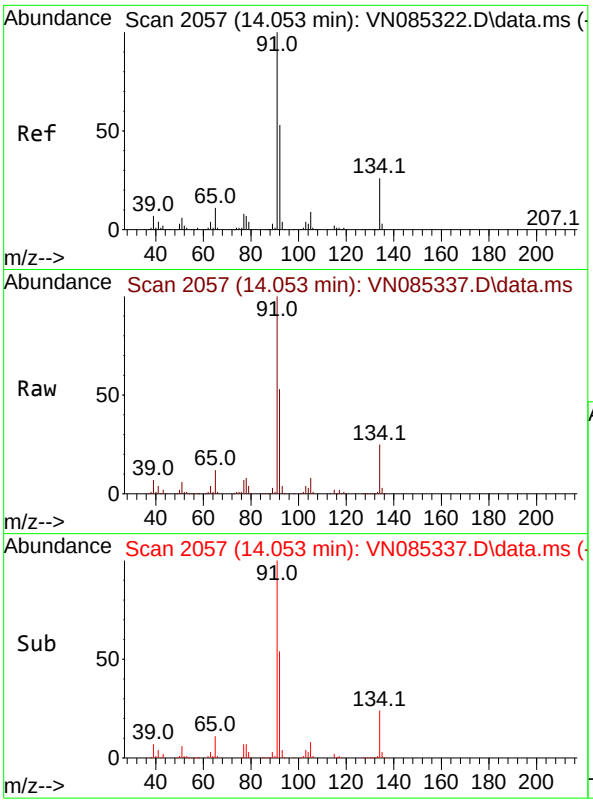


#88
1,4-Dichlorobenzene
Concen: 46.065 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:146 Resp: 182104

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	64.0	31.7	95.1



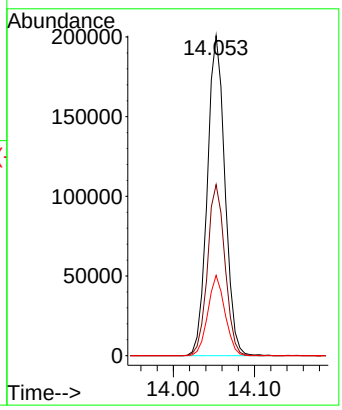


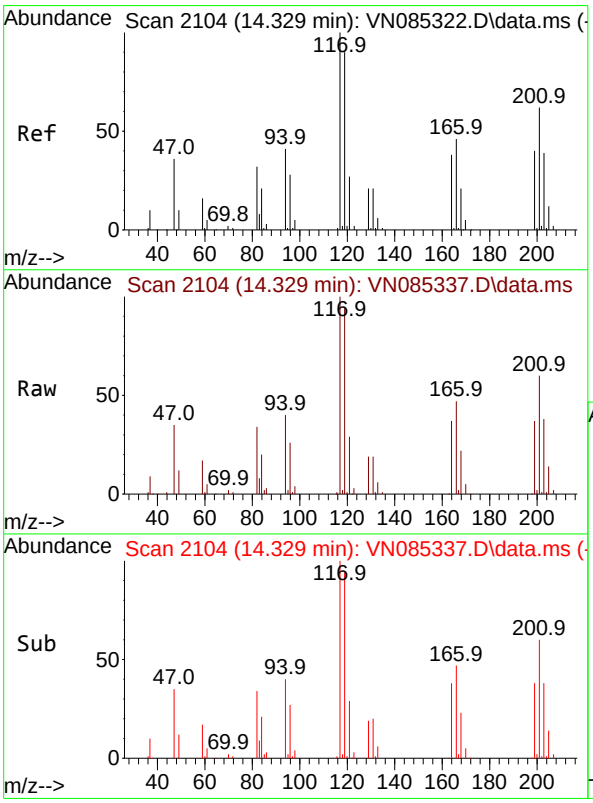
#89
n-Butylbenzene
Concen: 49.458 ug/l
RT: 14.053 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 301821

Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	24.4	12.1	36.3

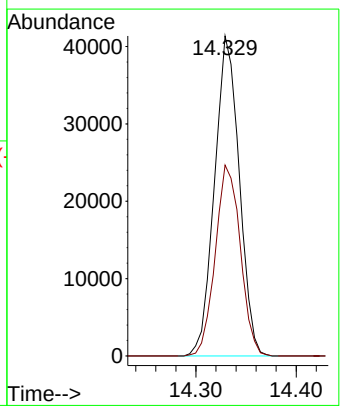


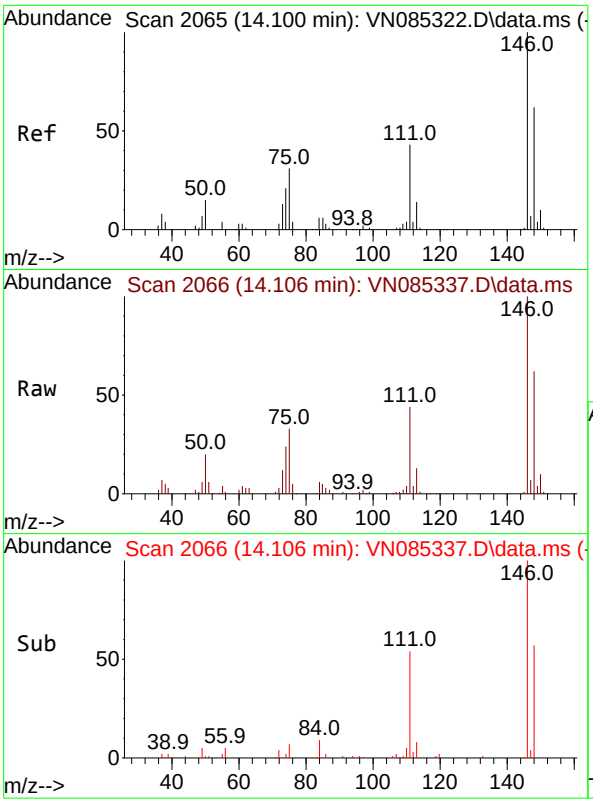


#90
Hexachloroethane
Concen: 51.745 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:117 Resp: 70685

Ion	Ratio	Lower	Upper
117	100		
201	60.3	30.7	92.1



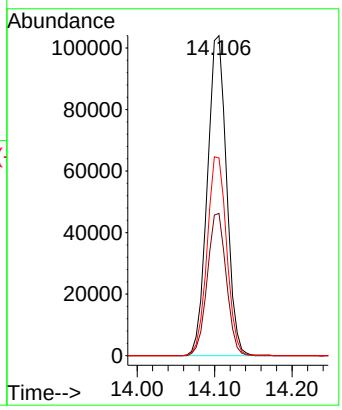


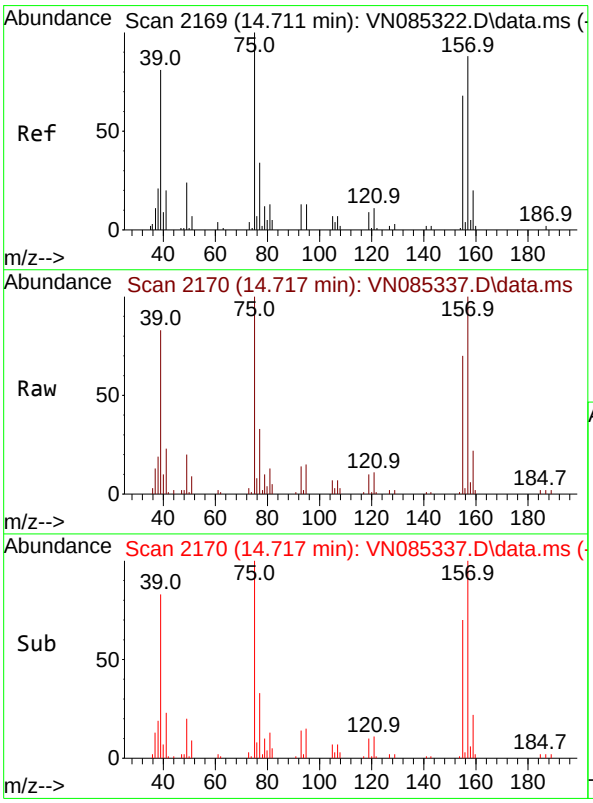
#91
1,2-Dichlorobenzene
Concen: 48.719 ug/l
RT: 14.106 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 178612

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.2	31.4	94.2

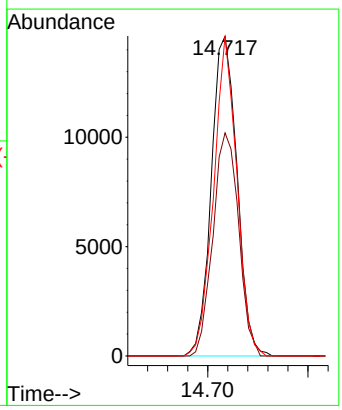


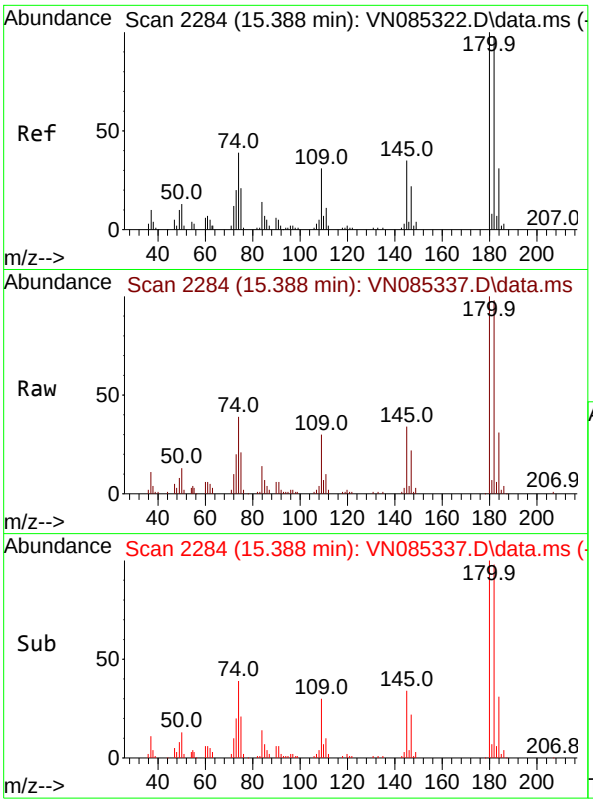


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.475 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion: 75 Resp: 25973

Ion	Ratio	Lower	Upper
75	100		
155	69.8	35.6	106.9
157	90.6	47.0	141.0



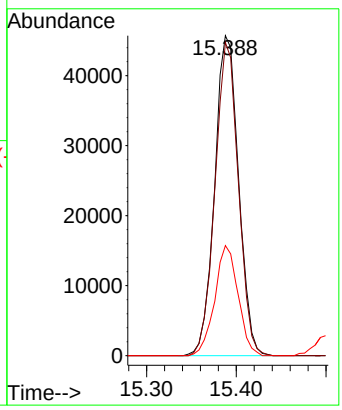


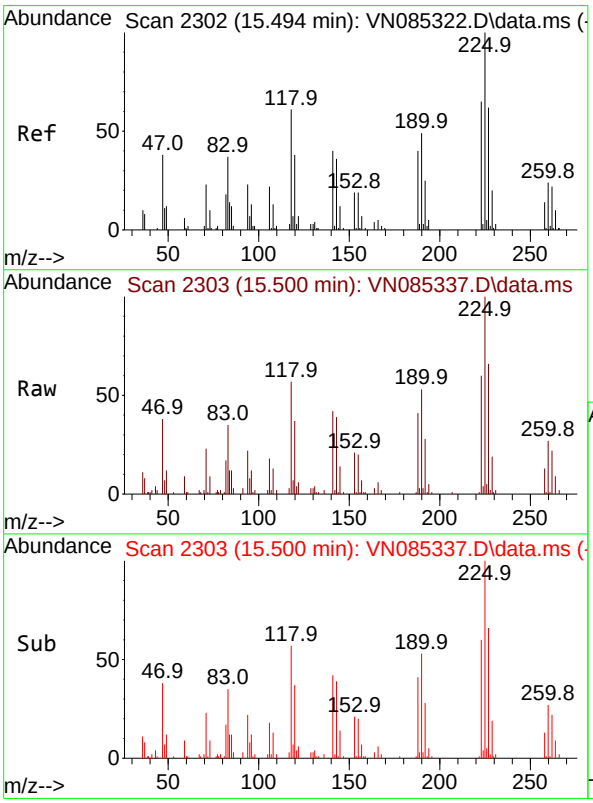
#93
1,2,4-Trichlorobenzene
Concen: 46.223 ug/l
RT: 15.388 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 84575

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.2	141.6
145	33.5	16.6	49.8

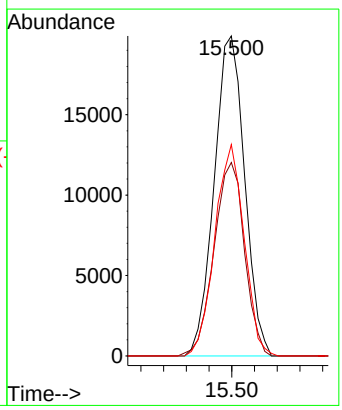


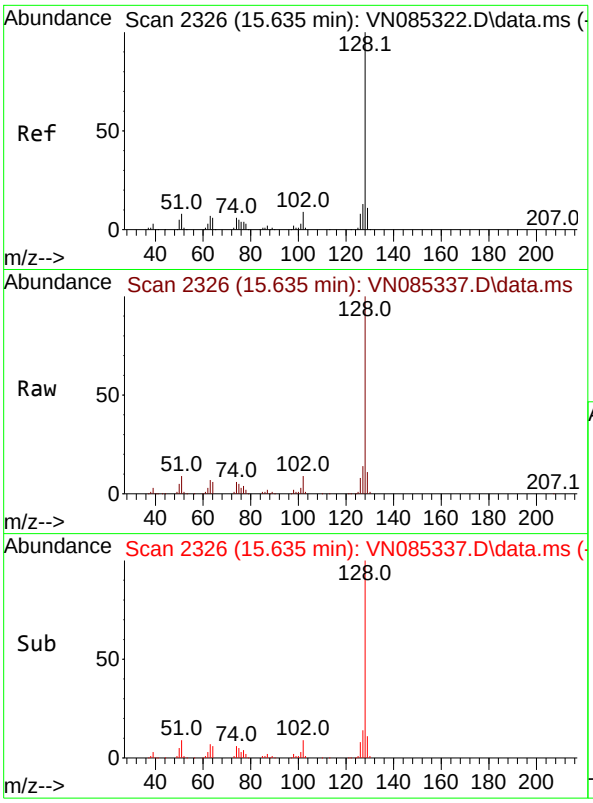


#94
Hexachlorobutadiene
Concen: 40.840 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:225 Resp: 37128

Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.6	94.7
227	63.3	30.3	91.0



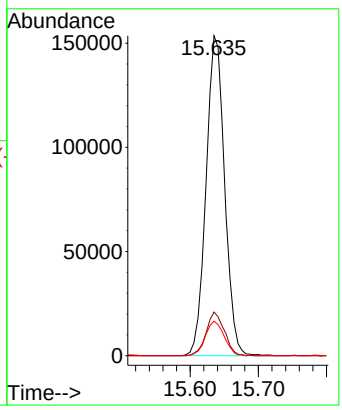


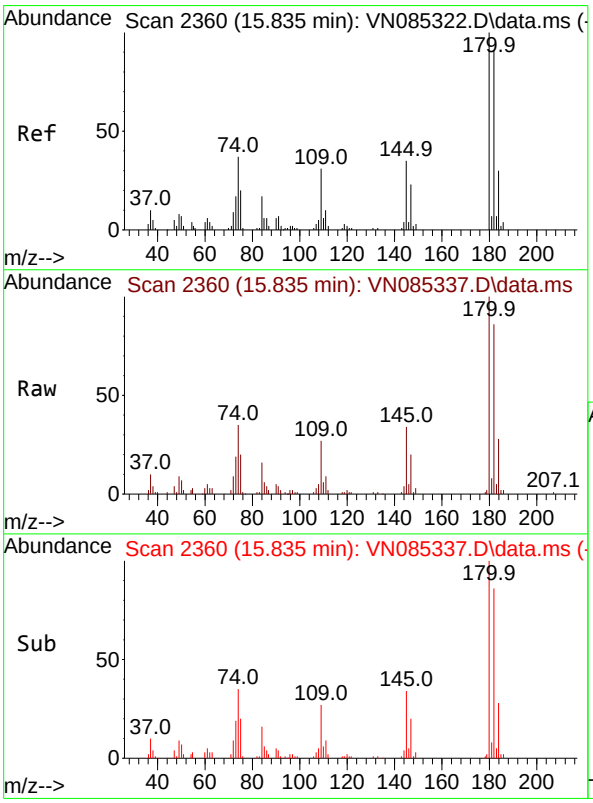
#95
Naphthalene
Concen: 46.923 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 291130

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.9	8.5	12.7





#96
1,2,3-Trichlorobenzene
Concen: 46.357 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085337.D
Acq: 27 Dec 2024 19:54

Tgt Ion:180 Resp: 84747

Ion	Ratio	Lower	Upper
180	100		
182	90.2	46.8	140.4
145	33.4	17.2	51.6