

Cover Page

Order ID : P5117

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

Client : Weston Solutions

Lab Sample Number

P5117-01
P5117-02

Client Sample Number

TAPIAL3-SB04I-10-120324-00-T1
TAPIAL2-IDW-SOIL-120424-00-T2

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

Signature : _____

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Weston Solutions

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

Project # N/A

Chemtech Project # P5117

Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 12/05/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, Cyanide, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TOC and TS. 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.

E. Calculation:

Water Calculation in ug/L

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

Where,

A_x = Area for the compound to be measured

A_{is} = Area for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the initial calibration curve standard.

V_o = 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_____

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 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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P5117

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:			✓

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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.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5117

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/12/2024

LAB CHRONICLE

OrderID:	P5117	OrderDate:	12/5/2024 10:55:00 AM
Client:	Weston Solutions	Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169
Contact:	Nathan Fretz	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5117-02	TAPIAL2-IDW-SOIL-1 20424-00-T2	TCLP	TCLP VOA	8260D	12/04/24		12/09/24	12/05/24



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Hit Summary Sheet
SW-846

SDG No.: P5117
Client: Weston Solutions

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	TAPIAL2-IDW-SOIL-120424-00-T2								
P5117-02	TAPIAL2-IDW-SOIL	TCLP	2-Butanone	5.10	J	1.30	2.50	25.0	ug/L
			Total Voc :	5.10					
			Total Concentration:	5.10					



QC SUMMARY

Surrogate Summary

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	48.9	98	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	44.8	90	85	114

Surrogate Summary

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN1209WBL01	VN1209WBL01	1,2-Dichloroethane-d4	50	51.4	103	81	118
		Dibromofluoromethane	50	53.4	107	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	42.8	86	85	114
VN1209WBS01	VN1209WBS01	1,2-Dichloroethane-d4	50	45.8	92	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	48.6	97	89	112
		4-Bromofluorobenzene	50	47.3	95	85	114
VN1209WBSD0	VN1209WBSD01	1,2-Dichloroethane-d4	50	51.0	102	81	118
		Dibromofluoromethane	50	53.9	108	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low

Datafile : VN085144.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1209WBS01	Vinyl chloride	20	15.7	ug/L	79			58	137	
	1,1-Dichloroethene	20	16.8	ug/L	84			71	131	
	2-Butanone	100	98.2	ug/L	98			56	143	
	Carbon Tetrachloride	20	19.8	ug/L	99			72	136	
	Chloroform	20	17.6	ug/L	88			79	124	
	Benzene	20	18.6	ug/L	93			79	120	
	1,2-Dichloroethane	20	18.8	ug/L	94			73	128	
	Trichloroethene	20	19.0	ug/L	95			79	123	
	Tetrachloroethene	20	20.8	ug/L	104			74	129	
	Chlorobenzene	20	18.3	ug/L	92			82	118	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5117

Client: Weston Solutions

Analytical Method: SW8260-Low

Datafile : VN085145.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1209WBSD01	Vinyl chloride	20	16.7	ug/L	84	6		58	137	20
	1,1-Dichloroethene	20	18.2	ug/L	91	8		71	131	20
	2-Butanone	100	120	ug/L	120	20		56	143	20
	Carbon Tetrachloride	20	21.0	ug/L	105	6		72	136	20
	Chloroform	20	19.5	ug/L	98	11		79	124	20
	Benzene	20	20.0	ug/L	100	7		79	120	20
	1,2-Dichloroethane	20	20.6	ug/L	103	9		73	128	20
	Trichloroethene	20	21.0	ug/L	105	10		79	123	20
	Tetrachloroethene	20	20.7	ug/L	104	0		74	129	20
	Chlorobenzene	20	19.7	ug/L	99	7		82	118	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1209WBL01

Lab Name: CHEMTECH

Contract: WEST04

Lab Code: CHEM Case No.: P5117

SAS No.: P5117 SDG NO.: P5117

Lab File ID: VN085143.D

Lab Sample ID: VN1209WBL01

Date Analyzed: 12/09/2024

Time Analyzed: 11:11

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
VN1209WBS01	VN1209WBS01	VN085144.D	12/09/2024
VN1209WBSD01	VN1209WBSD01	VN085145.D	12/09/2024
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	VN085151.D	12/09/2024

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117
Lab File ID: VN085003.D BFB Injection Date: 11/22/2024
Instrument ID: MSVOA_N BFB Injection Time: 09:29
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085005.D	11/22/2024	11:22
VSTDICCC050	VSTDICCC050	VN085006.D	11/22/2024	11:46
VSTDICC020	VSTDICC020	VN085007.D	11/22/2024	12:10
VSTDICC010	VSTDICC010	VN085008.D	11/22/2024	12:34
VSTDICC005	VSTDICC005	VN085009.D	11/22/2024	12:57
VSTDICC001	VSTDICC001	VN085010.D	11/22/2024	13:45



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117
Lab File ID: VN085141.D BFB Injection Date: 12/09/2024
Instrument ID: MSVOA_N BFB Injection Time: 09:58
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	18.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.4 (1.9) 1
174	50.0 - 100.0% of mass 95	75.6
175	5.0 - 9.0% of mass 174	5.3 (7) 1
176	95.0 - 101.0% of mass 174	73.7 (97.6) 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
VSTDCCC050	VSTDCCC050	VN085142.D	12/09/2024	10:32
VN1209WBL01	VN1209WBL01	VN085143.D	12/09/2024	11:11
VN1209WBS01	VN1209WBS01	VN085144.D	12/09/2024	11:35
VN1209WBSD01	VN1209WBSD01	VN085145.D	12/09/2024	12:09
TAPIAL2-IDW-SOIL-120424-00-T2	P5117-02	VN085151.D	12/09/2024	14:35
VSTDCCC050EC	VSTDCCC050	VN085153.D	12/09/2024	16:14

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04
Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117
Lab File ID: VN085142.D Date Analyzed: 12/09/2024
Instrument ID: MSVOA_N Time Analyzed: 10:32
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	169304	8.22	265126	9.10	235660	11.87
UPPER LIMIT	338608	8.724	530252	9.6	471320	12.365
LOWER LIMIT	84652	7.724	132563	8.6	117830	11.365
EPA SAMPLE NO.						
TAPIAL2-IDW-SOIL-120424-00-T2	132563	8.22	246402	9.10	221770	11.87
VN1209WBL01	133604	8.22	227682	9.10	197276	11.87
VN1209WBS01	163291	8.22	259546	9.10	222034	11.87
VN1209WBSD01	142912	8.22	227734	9.10	203151	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WEST04
 Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG NO.: P5117
 Lab File ID: VN085142.D Date Analyzed: 12/09/2024
 Instrument ID: MSVOA_N Time Analyzed: 10:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	120023	13.788				
UPPER LIMIT	240046	14.288				
LOWER LIMIT	60011.5	13.288				
EPA SAMPLE NO.						
TAPIAL2-IDW-SOIL-120424-00-T2	85732	13.79				
VN1209WBL01	78404	13.79				
VN1209WBS01	104600	13.79				
VN1209WBSD01	101401	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

Report of Analysis

Client:	Weston Solutions			Date Collected:	12/04/24		
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169			Date Received:	12/05/24		
Client Sample ID:	TAPIAL2-IDW-SOIL-120424-00-T2			SDG No.:	P5117		
Lab Sample ID:	P5117-02			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
VN085151.D	1		12/09/24 14:35	VN120924

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	5.10	J	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	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		85 - 114		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	133000	8.224				
540-36-3	1,4-Difluorobenzene	246000	9.1				
3114-55-4	Chlorobenzene-d5	222000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	85700	13.794				

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085151.D
Acq On : 09 Dec 2024 14:35
Operator : JC\MD
Sample : P5117-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

Quant Time: Dec 10 05:02:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

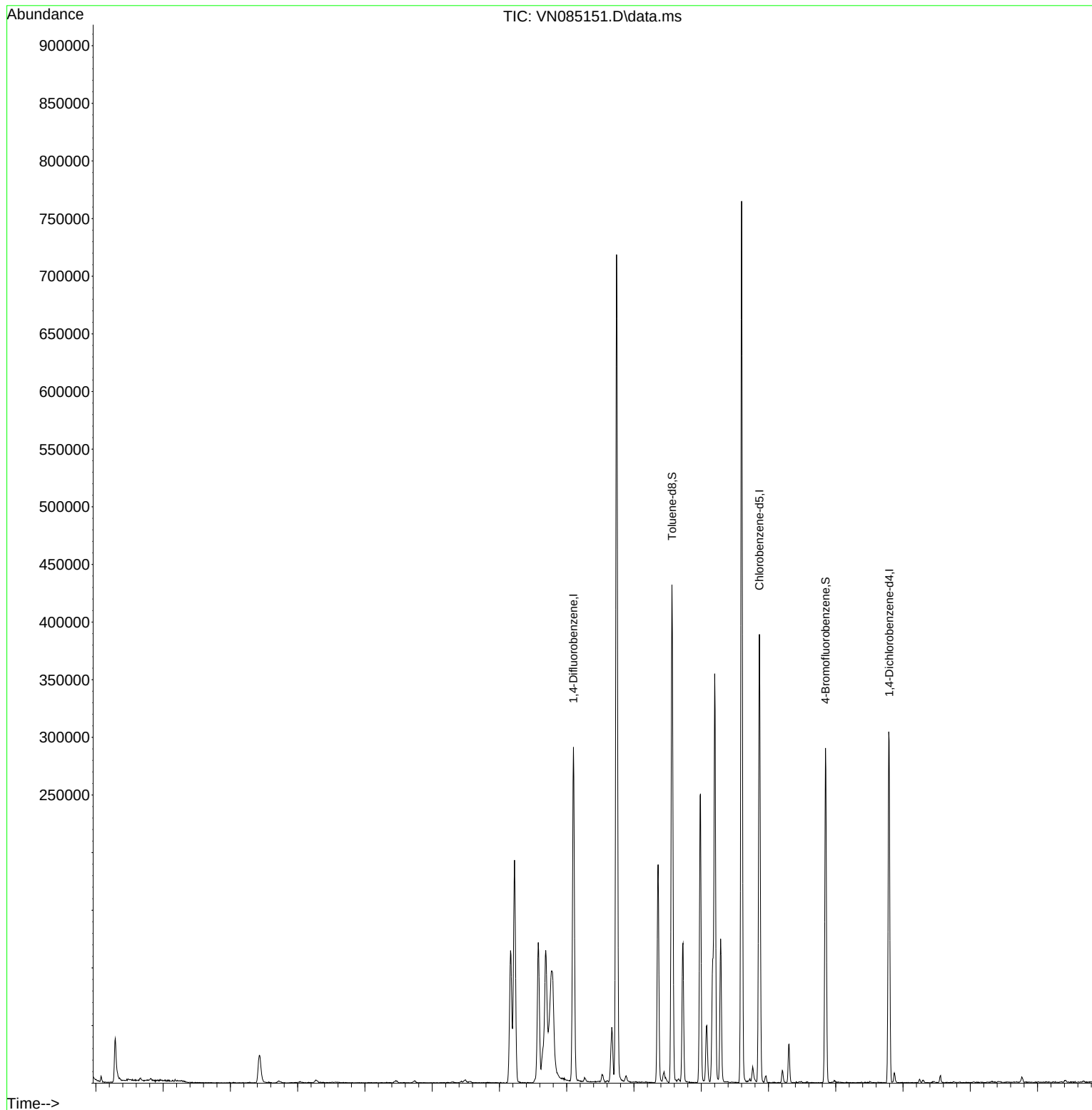
Internal Standards						
1) Pentafluorobenzene	8.224	168	132563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	221770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100925	53.449	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	106.900%	
35) Dibromofluoromethane	8.165	113	81241	48.892	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.780%	
50) Toluene-d8	10.565	98	299992	50.377	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.760%	
62) 4-Bromofluorobenzene	12.847	95	99828	44.827	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	89.660%	
Target Compounds						
						Qvalue
16) Acetone	4.430	43	46246	84.094	ug/l	96
25) 2-Butanone	7.495	43	4586	5.101	ug/l	100
43) Isopropyl Acetate	8.689	43	156958	36.930	ug/l #	78

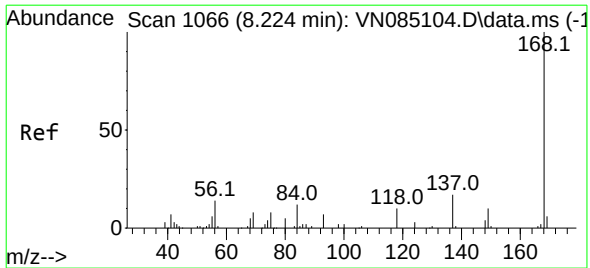
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085151.D
Acq On : 09 Dec 2024 14:35
Operator : JC\MD
Sample : P5117-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

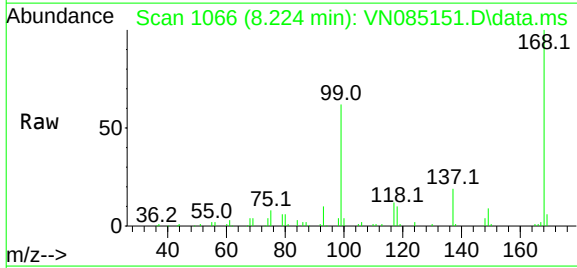
Quant Time: Dec 10 05:02:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



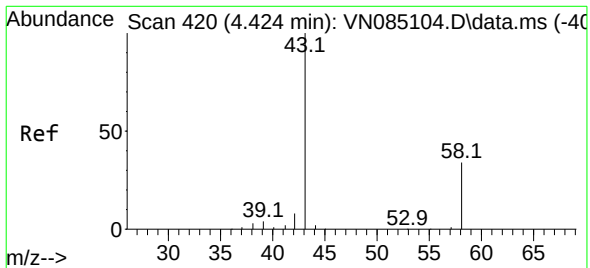
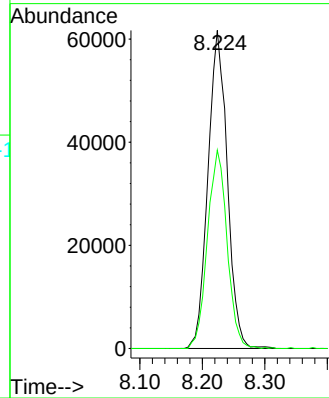
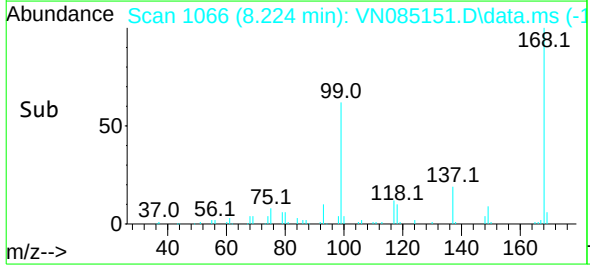


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

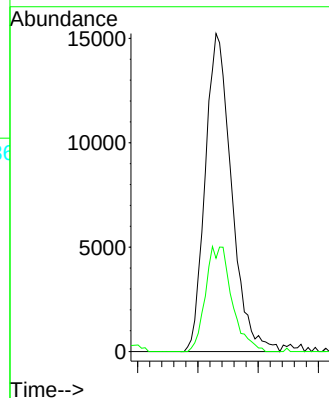
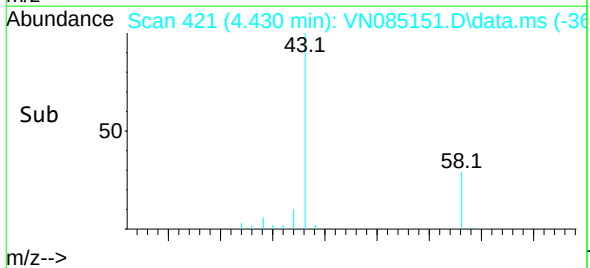
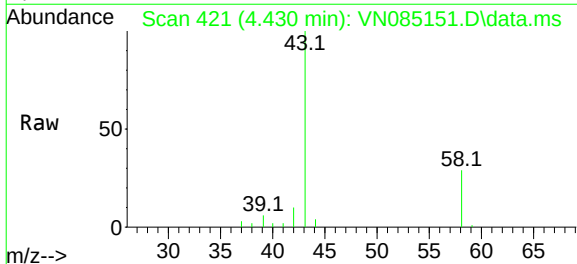


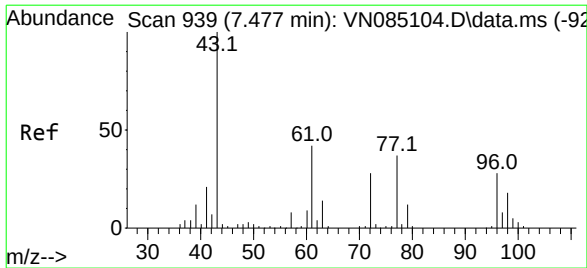
Tgt Ion:168 Resp: 132563
Ion Ratio Lower Upper
168 100
99 62.3 51.2 76.8



#16
Acetone
Concen: 84.094 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion: 43 Resp: 46246
Ion Ratio Lower Upper
43 100
58 29.3 25.4 38.2





#25

2-Butanone

Concen: 5.101 ug/l

RT: 7.495 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN085151.D

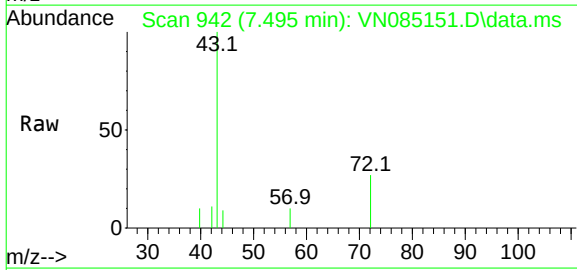
Acq: 09 Dec 2024 14:35

Instrument :

MSVOA_N

ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2

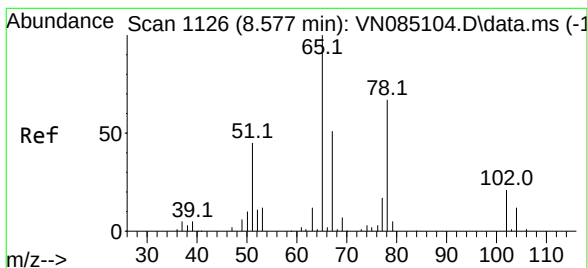
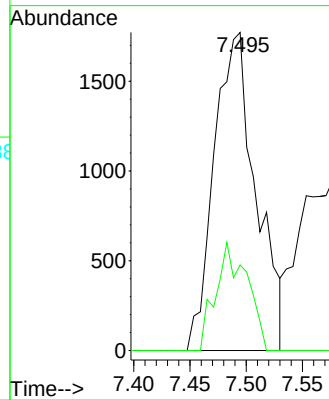
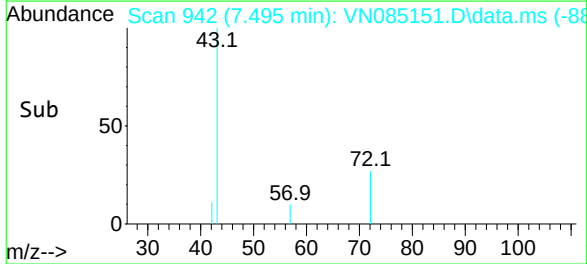


Tgt Ion: 43 Resp: 4586

Ion Ratio Lower Upper

43 100

72 26.9 21.4 32.0



#33

1,2-Dichloroethane-d4

Concen: 53.449 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085151.D

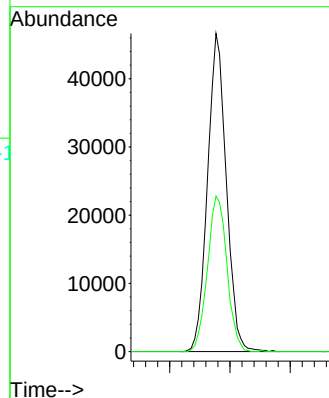
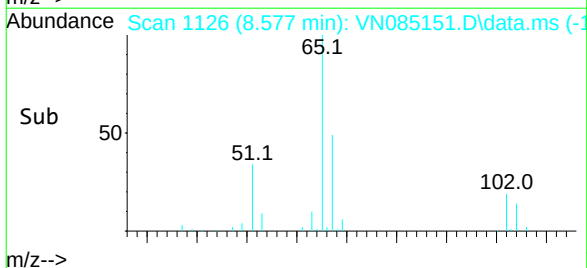
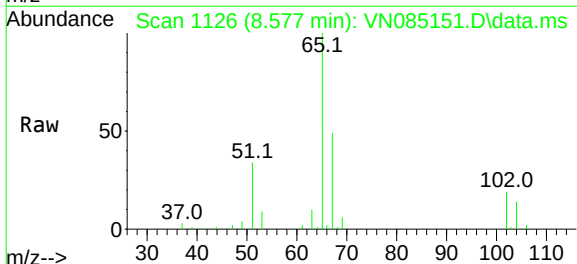
Acq: 09 Dec 2024 14:35

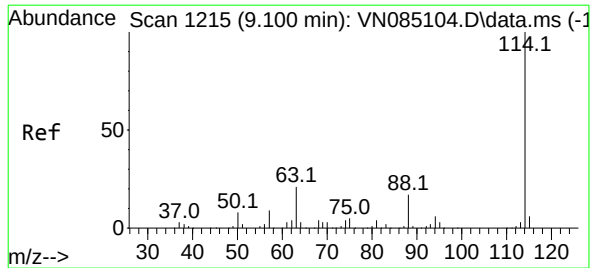
Tgt Ion: 65 Resp: 100925

Ion Ratio Lower Upper

65 100

67 50.7 0.0 105.0

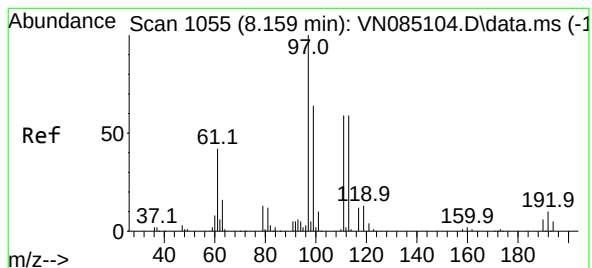
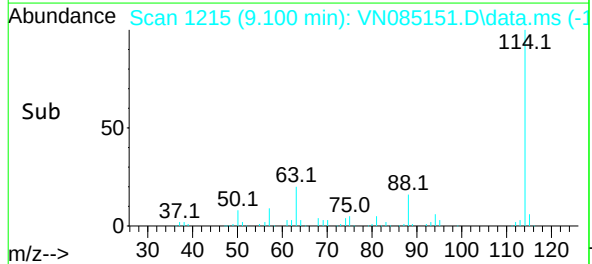
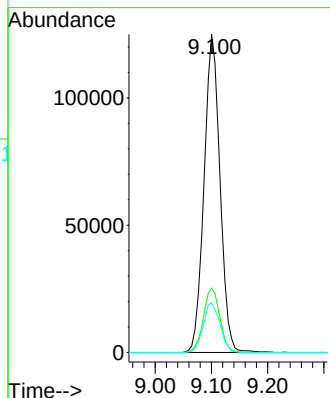
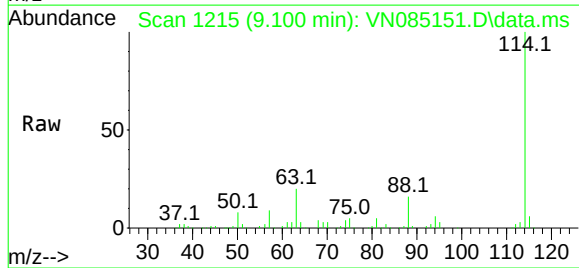




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

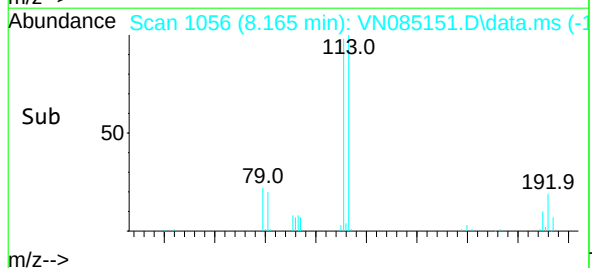
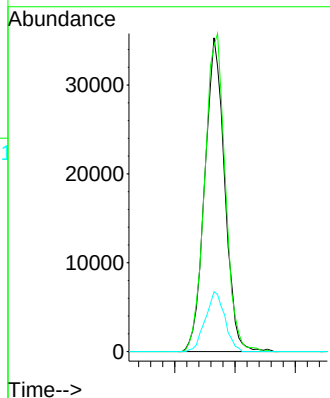
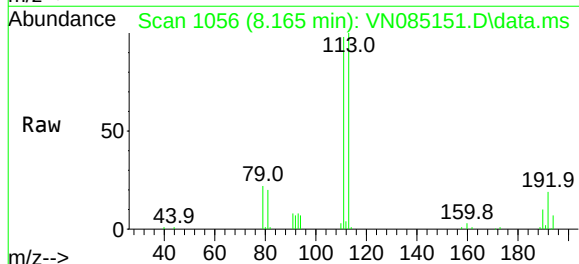
Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2

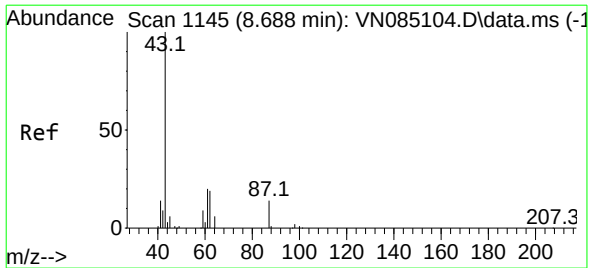
Tgt Ion:	114	Resp:	246402
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.0
88	15.6	0.0	34.8



#35
Dibromofluoromethane
Concen: 48.892 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Tgt Ion:	113	Resp:	81241
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.0	123.0
192	18.6	14.8	22.2





#43

Isopropyl Acetate

Concen: 36.930 ug/l

RT: 8.689 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085151.D

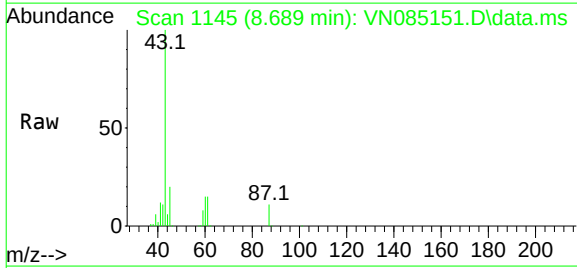
Acq: 09 Dec 2024 14:35

Instrument :

MSVOA_N

ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2



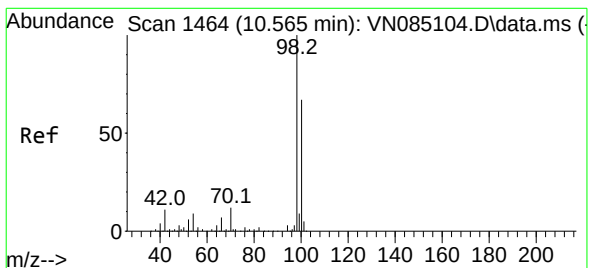
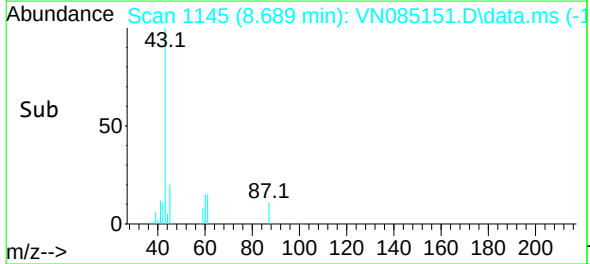
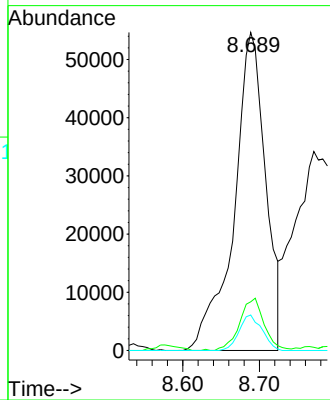
Tgt Ion: 43 Resp: 156958

Ion Ratio Lower Upper

43 100

61 12.7 20.6 30.8#

87 8.0 11.0 16.4#



#50

Toluene-d8

Concen: 50.377 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085151.D

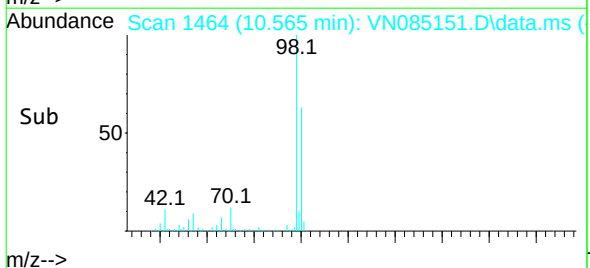
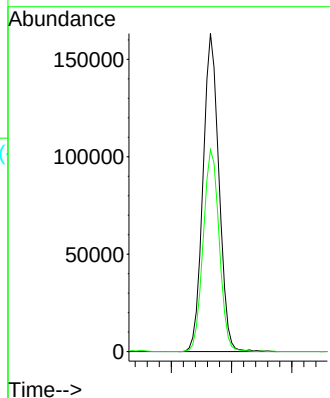
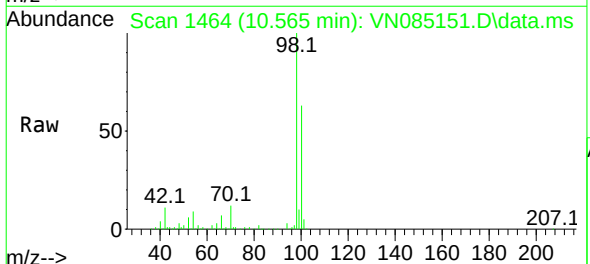
Acq: 09 Dec 2024 14:35

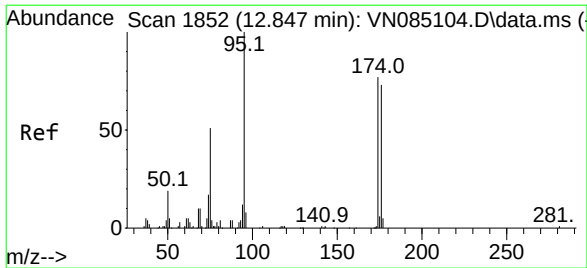
Tgt Ion: 98 Resp: 299992

Ion Ratio Lower Upper

98 100

100 63.8 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 44.827 ug/l

RT: 12.847 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN085151.D

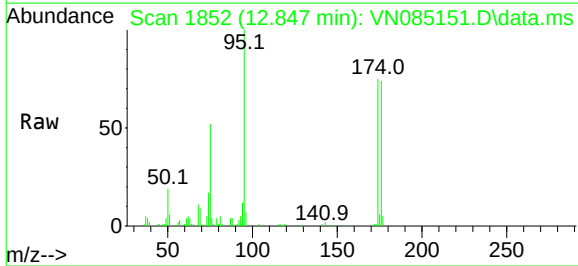
Acq: 09 Dec 2024 14:35

Instrument :

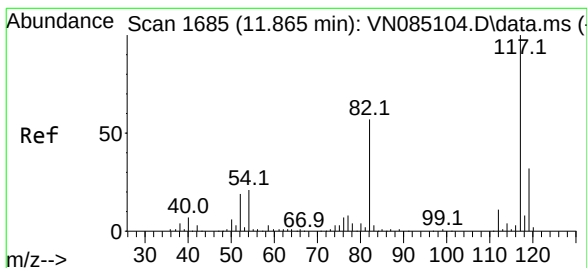
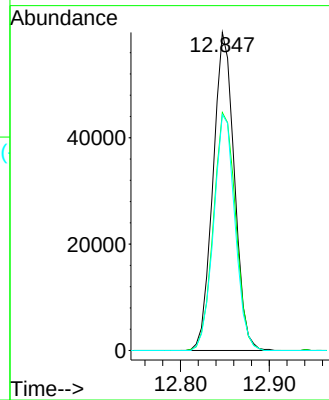
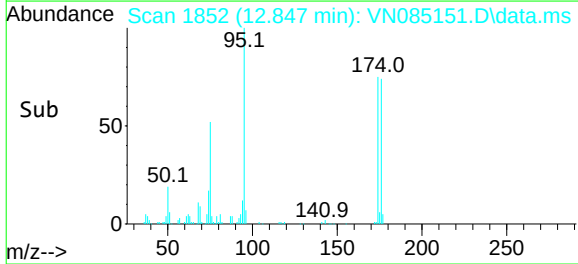
MSVOA_N

ClientSampleId :

TAPIAL2-IDW-SOIL-120424-00-T2



Tgt Ion:	95	Resp:	99828
Ion	Ratio	Lower	Upper
95	100		
174	77.7	0.0	146.6
176	74.2	0.0	141.8



#63

Chlorobenzene-d5

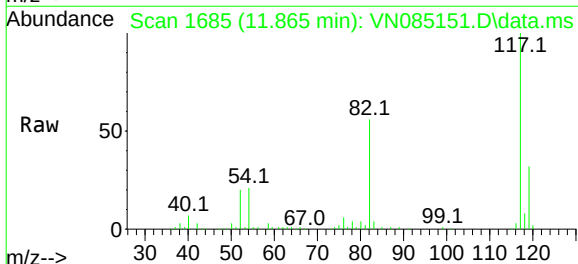
Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

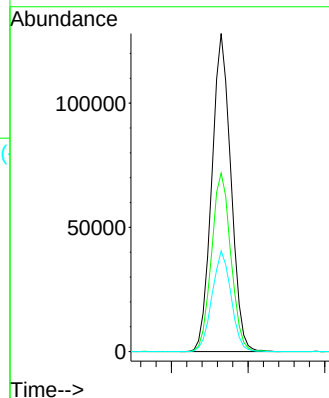
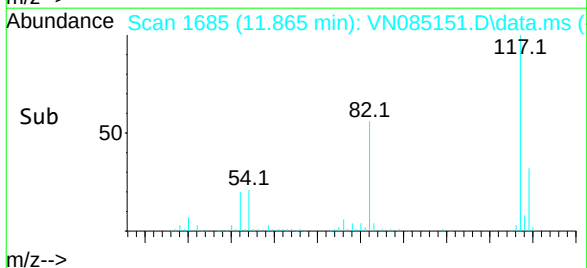
Delta R.T. 0.006 min

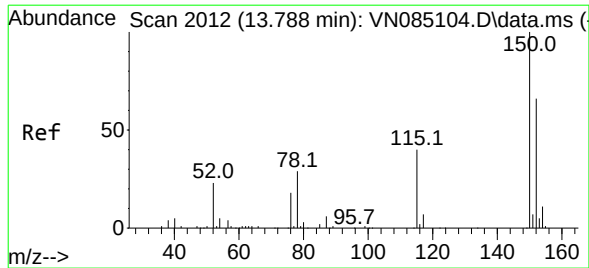
Lab File: VN085151.D

Acq: 09 Dec 2024 14:35



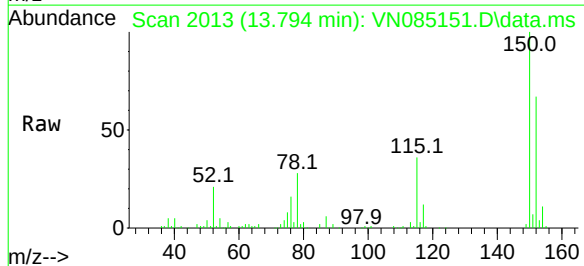
Tgt Ion:	117	Resp:	221770
Ion	Ratio	Lower	Upper
117	100		
82	56.1	46.0	69.0
119	31.6	25.6	38.4



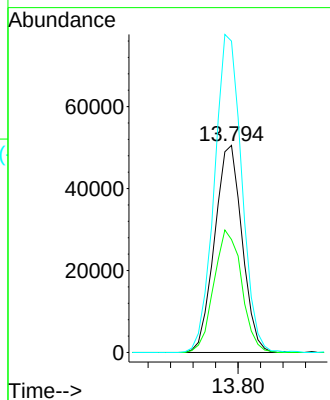
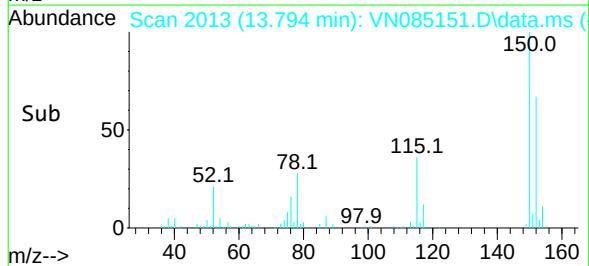


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085151.D
Acq: 09 Dec 2024 14:35

Instrument :
MSVOA_N
ClientSampleId :
TAPIAL2-IDW-SOIL-120424-00-T2



Tgt Ion:	152	Resp:	85732
Ion	Ratio	Lower	Upper
152	100		
115	59.7	31.7	95.1
150	153.1	0.0	351.4





CALIBRATION SUMMARY



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.: P5117 SAS No.: P5117 SDG No.: P5117
 Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024
 Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085005.D		RRF050 = VN085006.D		RRF020 = VN085007.D			
		RRF010 = VN085008.D		RRF005 = VN085009.D		RRF001 = VN085010.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.597	0.575	0.579	0.569	0.608	0.608	0.589	2.9	
1,1-Dichloroethene	0.547	0.524	0.534	0.506	0.543	0.531	0.531	2.8	
2-Butanone	0.341	0.331	0.340	0.317	0.328	0.377	0.339	6	
Carbon Tetrachloride	0.572	0.534	0.543	0.484	0.529	0.500	0.527	5.9	
Chloroform	1.118	1.099	1.104	1.073	1.140	1.344	1.146	8.6	
Benzene	1.528	1.424	1.443	1.358	1.452	1.462	1.445	3.8	
1,2-Dichloroethane	0.514	0.481	0.497	0.452	0.529	0.492	0.494	5.4	
Trichloroethene	0.352	0.327	0.338	0.320	0.347	0.330	0.336	3.6	
Tetrachloroethene	0.350	0.328	0.340	0.322	0.374	0.307	0.337	7	
Chlorobenzene	1.128	1.090	1.123	1.089	1.133	1.241	1.134	4.9	
1,2-Dichloroethane-d4	0.738	0.705	0.658	0.735	0.725		0.712	4.6	
Dibromofluoromethane	0.361	0.340	0.311	0.330	0.343		0.337	5.4	
Toluene-d8	1.326	1.249	1.152	1.162	1.154		1.208	6.4	
4-Bromofluorobenzene	0.476	0.467	0.425	0.438	0.454		0.452	4.6	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N112224W.M
 Title : SW846 8260
 Last Update : Sat Nov 23 02:54:10 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN085010.D 5 =VN085009.D 10 =VN085008.D 20 =VN085007.D 50 =VN085006.D 100 =VN085005.

D

Compound		1	5	10	20	50	100	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3) P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4) C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5) T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	6.54
6) T	Chloroethane	0.458	0.407	0.390	0.380	0.379	0.370	0.397	8.12
7) T	Trichlorofluor...	1.036	1.041	0.947	1.005	0.965	1.021	1.002	3.85
8) T	Diethyl Ether	0.316	0.345	0.322	0.349	0.349	0.367	0.341	5.63
9) T	1,1,2-Trichlor...	0.573	0.576	0.551	0.569	0.551	0.590	0.569	2.65
10) T	Methyl Iodide		0.764	0.704	0.778	0.747	0.769	0.753	3.91
11) T	Tert butyl alc...		0.117	0.096	0.091	0.090	0.081	0.095	14.07
12) CM	1,1-Dichloroet...	0.531	0.543	0.506	0.534	0.524	0.547	0.531	2.78#
13) T	Acrolein		0.057	0.066	0.061	0.070	0.064	0.064	7.50
14) T	Allyl chloride	0.936	0.874	0.868	0.876	0.886	0.929	0.895	3.32
15) T	Acrylonitrile	0.303	0.274	0.251	0.264	0.263	0.262	0.269	6.71
16) T	Acetone	0.209	0.195	0.203	0.206	0.203	0.229	0.207	5.48
17) T	Carbon Disulfide	1.829	1.589	1.462	1.535	1.472	1.511	1.566	8.73
18) T	Methyl Acetate	1.244	0.855	0.714	0.696	0.656	0.657	0.804	28.37
19) T	Methyl tert-bu...	1.674	1.675	1.663	1.764	1.768	1.860	1.734	4.48
20) T	Methylene Chlo...	0.748	0.630	0.610	0.619	0.588	0.603	0.633	9.21
21) T	trans-1,2-Dich...	0.571	0.568	0.519	0.565	0.558	0.570	0.558	3.54
22) T	Diisopropyl ether	1.825	1.816	1.749	1.815	1.781	1.817	1.801	1.64
23) T	Vinyl Acetate	1.161	1.180	1.192	1.279	1.296	1.346	1.242	6.04
24) P	1,1-Dichloroet...	1.116	1.092	1.033	1.084	1.049	1.091	1.078	2.85
25) T	2-Butanone	0.377	0.328	0.317	0.340	0.331	0.341	0.339	6.03
26) T	2,2-Dichloropr...	1.083	1.000	0.945	0.982	0.993	1.034	1.006	4.72
27) T	cis-1,2-Dichlo...	0.729	0.681	0.634	0.672	0.657	0.667	0.673	4.68
28) T	Bromochloromet...	0.438	0.399	0.390	0.409	0.395	0.409	0.407	4.24
29) T	Tetrahydrofuran	0.213	0.212	0.199	0.212	0.214	0.214	0.211	2.69
30) C	Chloroform	1.344	1.140	1.073	1.104	1.099	1.118	1.146	8.65#
31) T	Cyclohexane		1.091	0.915	0.942	0.882	0.914	0.949	8.68
32) T	1,1,1-Trichlor...	1.135	1.005	0.993	1.022	1.013	1.047	1.036	5.02
33) S	1,2-Dichloroet...		0.725	0.735	0.658	0.705	0.738	0.712	4.60
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.343	0.330	0.311	0.340	0.361	0.337	5.43
36) T	1,1-Dichloropr...	0.451	0.469	0.417	0.454	0.455	0.493	0.457	5.46
37) T	Ethyl Acetate	0.412	0.425	0.404	0.427	0.403	0.421	0.415	2.54
38) T	Carbon Tetrach...	0.500	0.529	0.484	0.543	0.534	0.572	0.527	5.93
39) T	Methylcyclohexane	0.382	0.469	0.430	0.486	0.507	0.574	0.475	13.89
40) TM	Benzene	1.462	1.452	1.358	1.443	1.424	1.528	1.444	3.81
41) T	Methacrylonitrile	0.247	0.203	0.223	0.229	0.230	0.246	0.230	7.11
42) TM	1,2-Dichloroet...	0.492	0.529	0.452	0.497	0.481	0.514	0.494	5.42
43) T	Isopropyl Acetate	1.157	0.853	0.786	0.781	0.753	0.844	0.862	17.33
44) TM	Trichloroethene	0.330	0.347	0.320	0.338	0.327	0.352	0.336	3.60
45) C	1,2-Dichloropr...	0.374	0.352	0.340	0.351	0.349	0.369	0.356	3.68#
46) T	Dibromomethane	0.260	0.249	0.225	0.248	0.244	0.257	0.247	4.94
47) T	Bromodichlorom...	0.540	0.520	0.488	0.520	0.522	0.554	0.524	4.26
48) T	Methyl methacr...	0.304	0.316	0.302	0.323	0.329	0.353	0.321	5.84
49) T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.005	0.006	3.84
50) S	Toluene-d8		1.154	1.162	1.152	1.249	1.326	1.208	6.36
51) T	4-Methyl-2-Pen...	0.361	0.394	0.382	0.406	0.406	0.414	0.394	5.01
52) CM	Toluene	0.780	0.859	0.792	0.881	0.887	0.932	0.855	6.88#
53) T	t-1,3-Dichloro...	0.525	0.479	0.486	0.539	0.549	0.574	0.525	7.01
54) T	cis-1,3-Dichlo...	0.541	0.533	0.506	0.571	0.576	0.617	0.557	6.97
55) T	1,1,2-Trichlor...	0.301	0.314	0.314	0.324	0.322	0.336	0.319	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\										
Method File : 82N112224W.M										
56)	T	Ethyl methacry...	0.370	0.429	0.437	0.491	0.518	0.549	0.465	14.12
57)	T	1,3-Dichloropr...	0.572	0.562	0.526	0.558	0.558	0.588	0.561	3.66
58)	T	2-Chloroethyl ...	0.167	0.194	0.220	0.243	0.271	0.275	0.228	18.86
59)	T	2-Hexanone	0.245	0.297	0.280	0.317	0.312	0.315	0.295	9.45
60)	T	Dibromochlorom...	0.411	0.387	0.350	0.392	0.386	0.410	0.389	5.71
61)	T	1,2-Dibromoethane	0.323	0.338	0.318	0.328	0.330	0.342	0.330	2.74
62)	S	4-Bromofluorob...	0.454	0.438	0.425	0.467	0.476	0.452		4.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.307	0.374	0.322	0.340	0.328	0.350	0.337	7.01
65)	PM	Chlorobenzene	1.241	1.133	1.089	1.123	1.090	1.128	1.134	4.91
66)	T	1,1,1,2-Tetrac...	0.390	0.420	0.383	0.388	0.398	0.417	0.399	3.93
67)	C	Ethyl Benzene	1.644	1.809	1.698	1.880	1.945	2.063	1.840	8.48#
68)	T	m/p-Xylenes	0.626	0.666	0.663	0.732	0.737	0.778	0.700	8.17
69)	T	o-Xylene	0.598	0.633	0.641	0.685	0.707	0.733	0.666	7.63
70)	T	Styrene	0.921	1.038	1.069	1.178	1.195	1.248	1.108	10.94
71)	P	Bromoform	0.289	0.299	0.273	0.299	0.310	0.309	0.296	4.58
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.175	3.464	3.402	3.605	3.632	3.888	3.527	6.84
74)	T	N-amyl acetate	1.339	1.383	1.351	1.543	1.552	1.553	1.454	7.30
75)	P	1,1,2,2-Tetrac...	1.517	1.231	1.148	1.152	1.103	1.076	1.204	13.45
76)	T	1,2,3-Trichlor...	1.023	0.822	0.768	0.933	0.903	1.009	0.909	11.13
77)	T	Bromobenzene	1.072	0.967	0.902	0.926	0.919	0.910	0.949	6.76
78)	T	n-propylbenzene	3.534	4.013	3.880	4.201	4.236	4.547	4.068	8.51
79)	T	2-Chlorotoluene	2.779	2.679	2.638	2.751	2.671	2.776	2.716	2.23
80)	T	1,3,5-Trimethy...	2.519	2.842	2.864	3.115	3.146	3.273	2.960	9.24
81)	T	trans-1,4-Dich...	0.440	0.390	0.403	0.408	0.418	0.412		4.60
82)	T	4-Chlorotoluene	2.977	2.819	2.725	2.846	2.774	2.822	2.827	3.00
83)	T	tert-Butylbenzene	2.454	2.444	2.436	2.590	2.631	2.725	2.547	4.72
84)	T	1,2,4-Trimethy...	2.704	2.890	2.927	3.195	3.241	3.322	3.047	7.93
85)	T	sec-Butylbenzene	2.976	3.246	3.280	3.593	3.667	3.880	3.440	9.61
86)	T	p-Isopropyltol...	2.279	2.585	2.740	3.075	3.092	3.269	2.840	13.10
87)	T	1,3-Dichlorobe...	2.326	1.941	1.744	1.785	1.717	1.720	1.872	12.69
88)	T	1,4-Dichlorobe...	2.337	2.034	1.788	1.819	1.760	1.726	1.911	12.31
89)	T	n-Butylbenzene	2.805	2.500	2.375	2.613	2.671	2.882	2.641	7.13
90)	T	Hexachloroethane	0.685	0.634	0.568	0.596	0.607	0.624	0.619	6.42
91)	T	1,2-Dichlorobe...	2.157	1.815	1.685	1.756	1.687	1.665	1.794	10.39
92)	T	1,2-Dibromo-3-...	0.265	0.249	0.223	0.227	0.219	0.214	0.233	8.48
93)	T	1,2,4-Trichlor...	1.178	0.973	0.919	0.949	0.902	0.927	0.975	10.53
94)	T	Hexachlorobuta...	0.556	0.474	0.408	0.441	0.403	0.416	0.450	12.94
95)	T	Naphthalene	2.952	2.683	2.455	2.839	2.835	2.892	2.776	6.52
96)	T	1,2,3-Trichlor...	1.041	0.926	0.849	0.944	0.898	0.922	0.930	6.84

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 207.100%#	
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 214.360%#	
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 219.380%#	
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 210.480%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026	ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986	ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891	ug/l	98
44) Trichloroethene	9.347	130	197483	104.851	ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586	ug/l	99
46) Dibromomethane	9.706	93	144116	103.900	ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641	ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847	ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783	ug/l	98
52) Toluene	10.630	92	522980	109.001	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602	ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883	ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530	ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314	ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249	ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624	ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032	ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459	ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113	ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116	ug/l	100
69) o-Xylene	12.394	106	353441	110.070	ug/l	99
70) Styrene	12.406	104	601271	112.600	ug/l	100
71) Bromoform	12.576	173	148879	104.234	ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216	ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	239373m	107.901	ug/l	
77) Bromobenzene	12.976	156	215866	95.881	ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753	ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513	ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811	ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040	ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777	ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361	ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120	ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107	ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405	ug/l	99
95) Naphthalene	15.641	128	685964	104.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

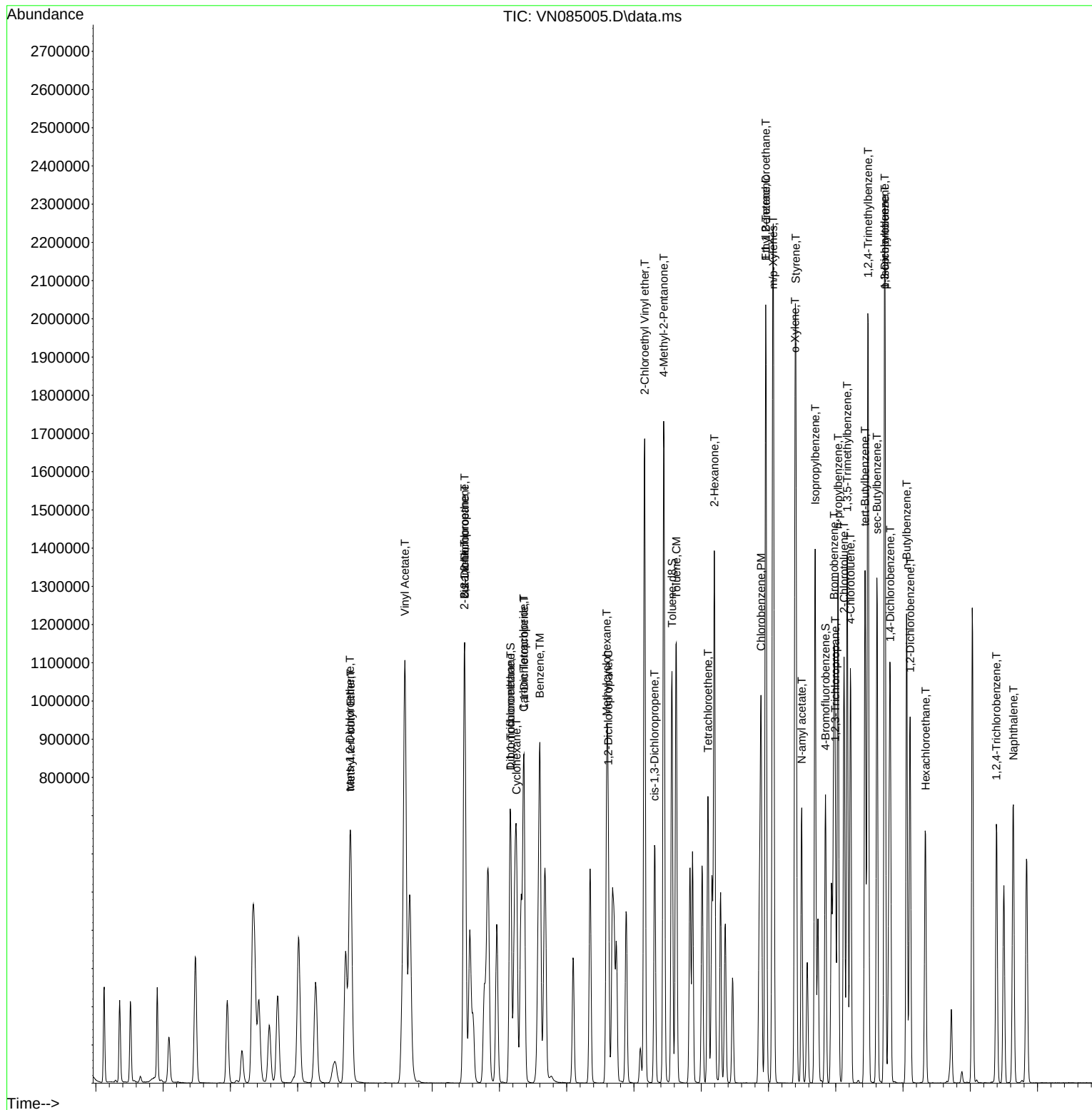
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

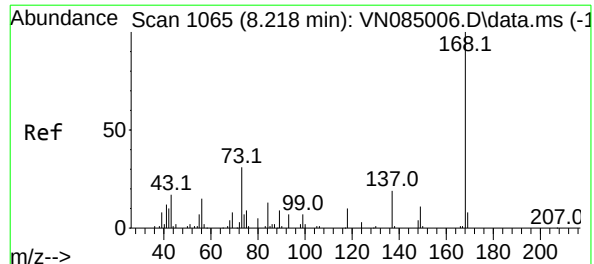
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





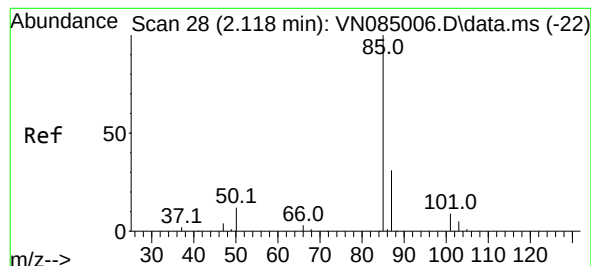
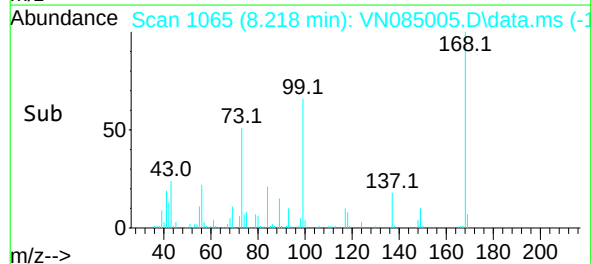
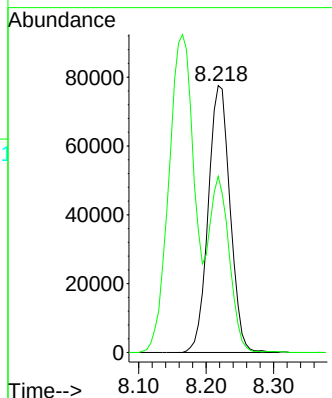
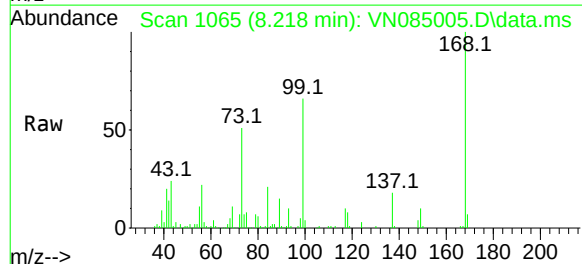
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:168 Resp: 174548
Ion Ratio Lower Upper
168 100
99 65.7 51.2 76.8

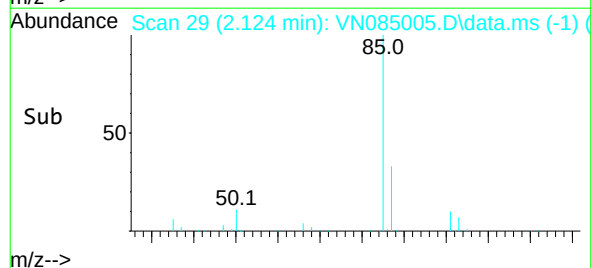
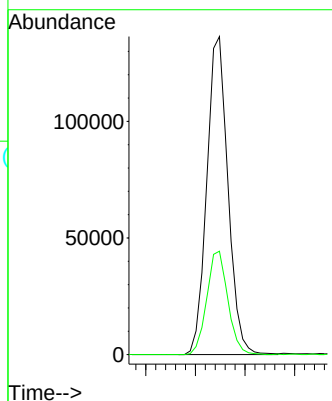
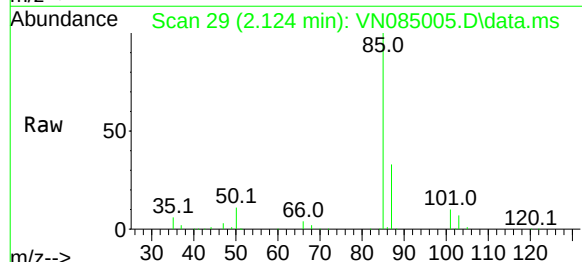
Manual Integrations
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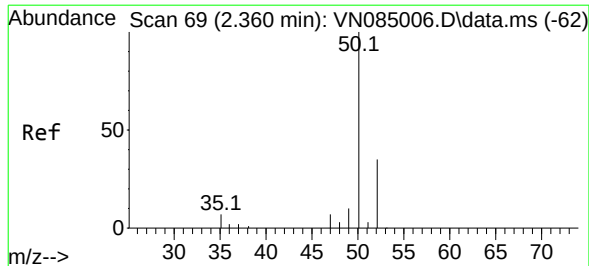
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 102.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 202252
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1





#3

Chloromethane

Concen: 87.235 ug/l

RT: 2.354 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 199697

Ion Ratio Lower Upper

50 100

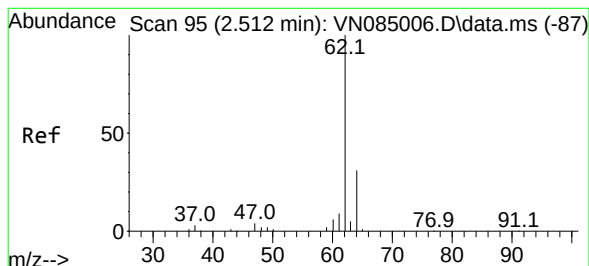
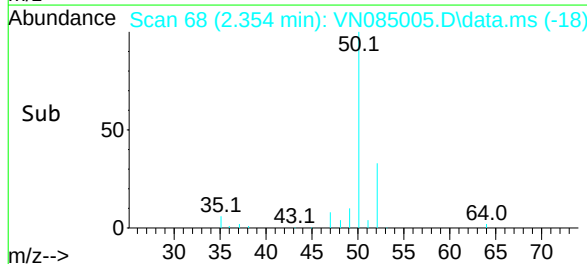
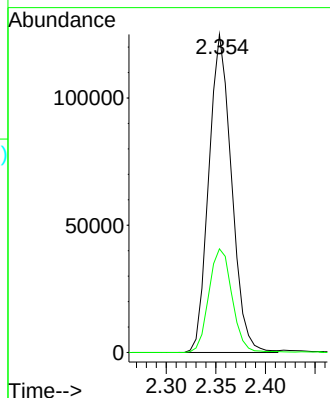
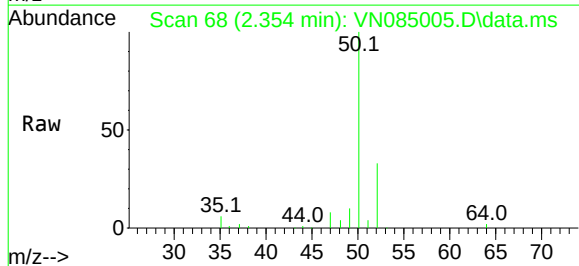
52 32.6 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 101.241 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085005.D

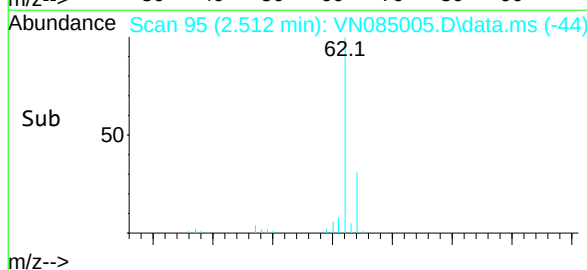
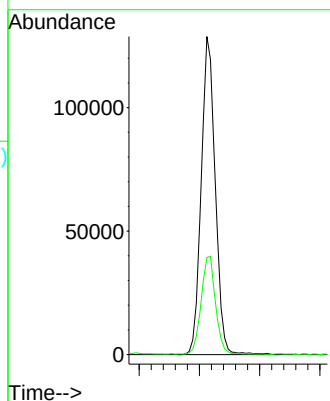
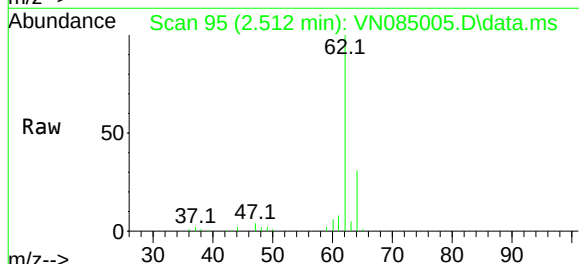
Acq: 22 Nov 2024 11:22

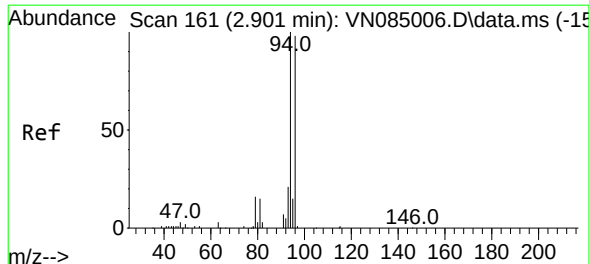
Tgt Ion: 62 Resp: 208274

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8





#5

Bromomethane

Concen: 95.681 ug/l

RT: 2.912 min Scan# 161

Delta R.T. 0.012 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 110325

Ion Ratio Lower Upper

94 100

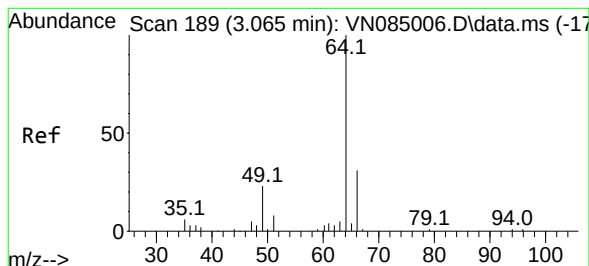
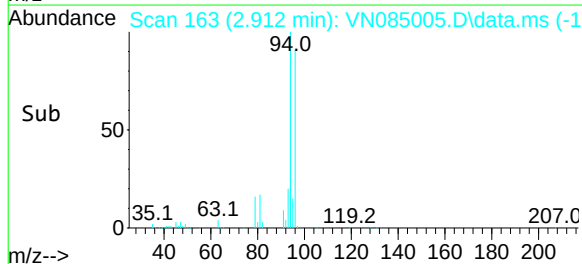
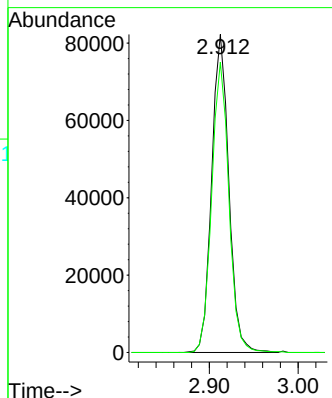
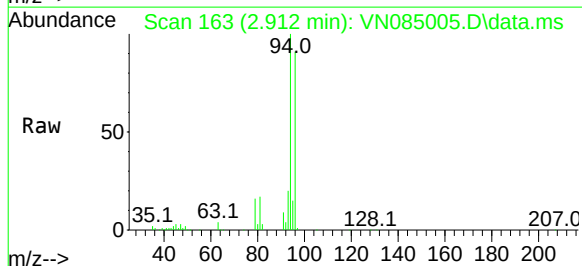
96 91.3 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 93.064 ug/l

RT: 3.089 min Scan# 193

Delta R.T. 0.024 min

Lab File: VN085005.D

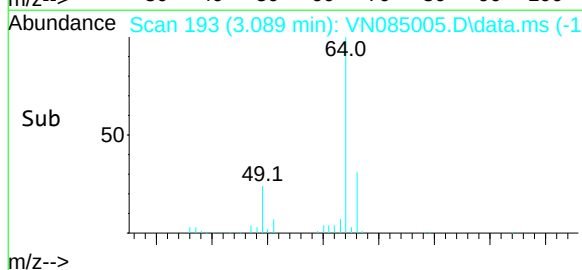
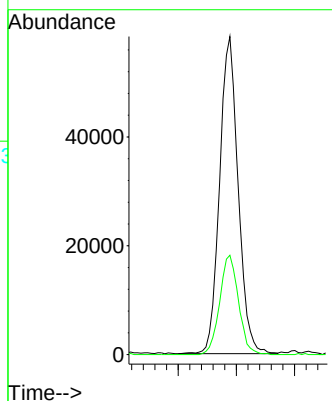
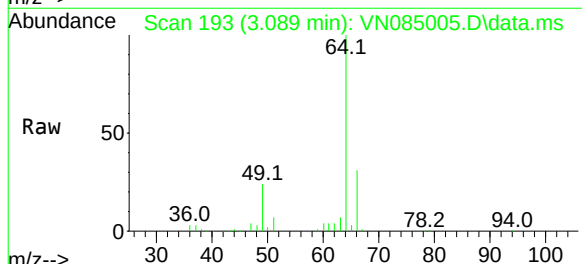
Acq: 22 Nov 2024 11:22

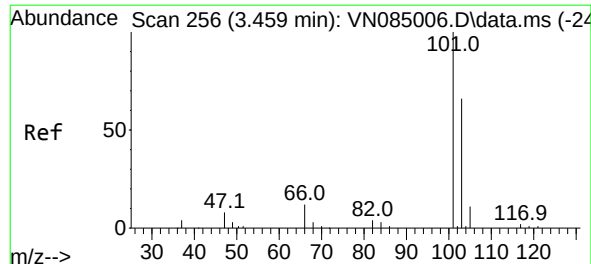
Tgt Ion: 64 Resp: 129044

Ion Ratio Lower Upper

64 100

66 31.3 24.4 36.6





#7

Trichlorofluoromethane

Concen: 101.806 ug/l

RT: 3.483 min Scan# 26

Delta R.T. 0.024 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 356271

Ion Ratio Lower Upper

101 100

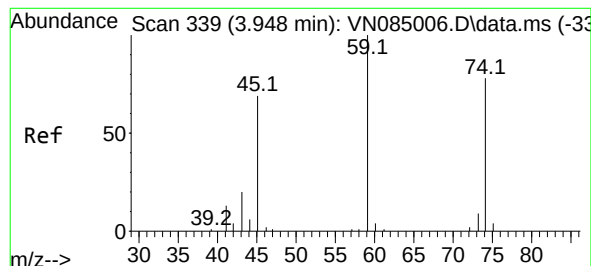
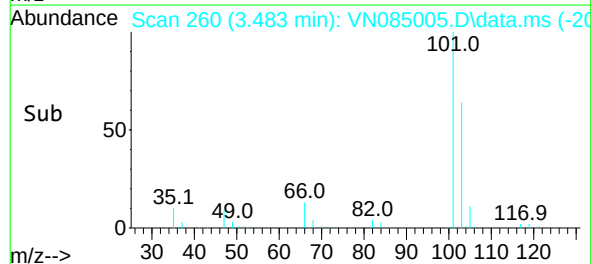
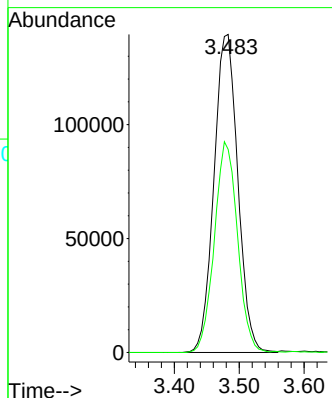
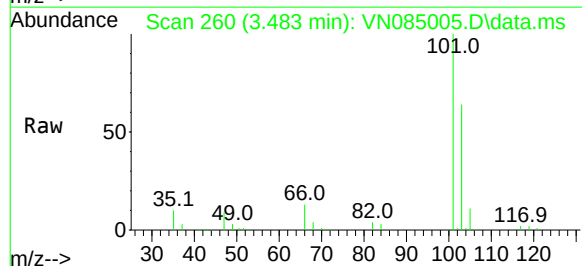
103 63.8 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#8

Diethyl Ether

Concen: 107.697 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.006 min

Lab File: VN085005.D

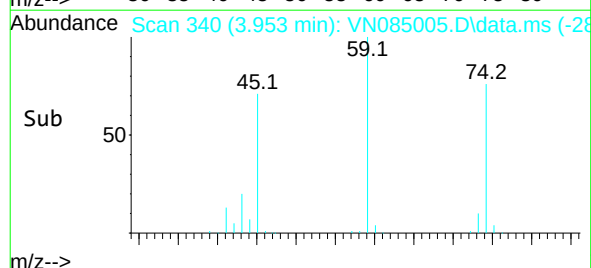
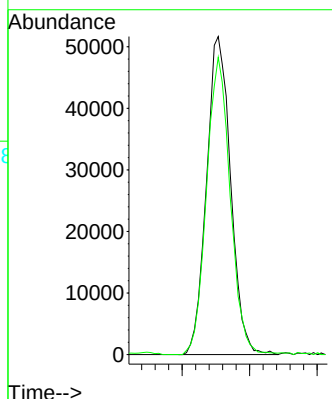
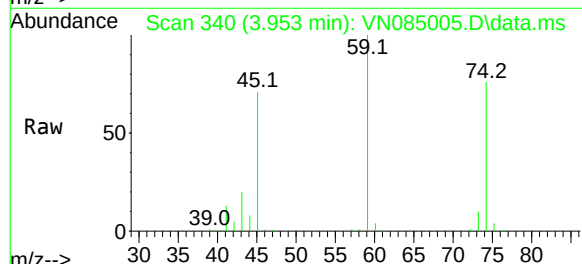
Acq: 22 Nov 2024 11:22

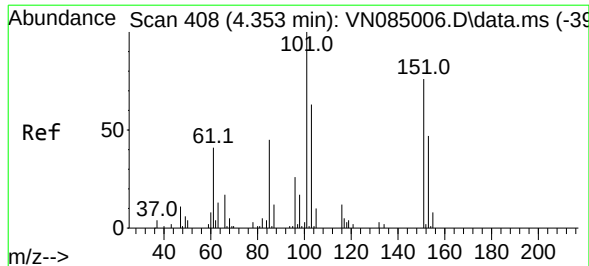
Tgt Ion: 74 Resp: 128277

Ion Ratio Lower Upper

74 100

45 91.9 46.7 140.1





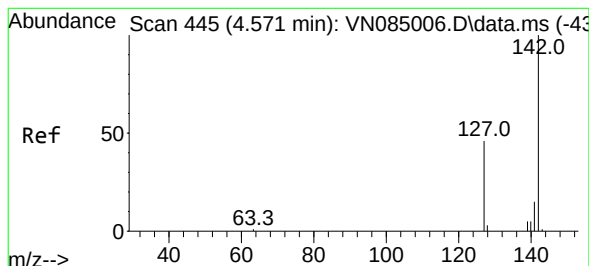
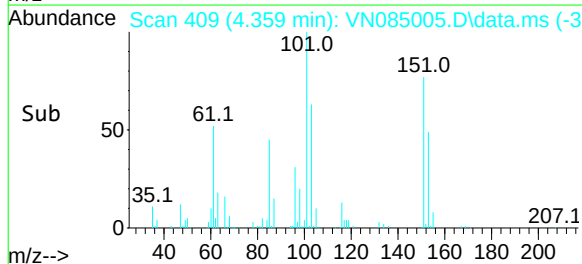
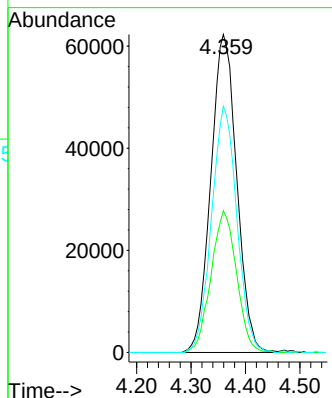
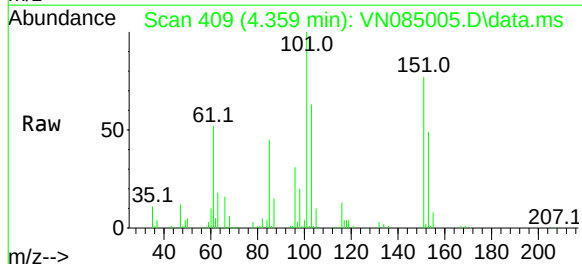
#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	75.9	60.8	91.2

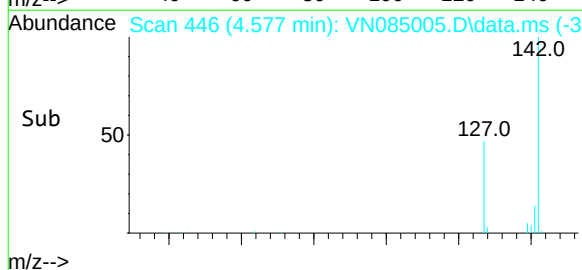
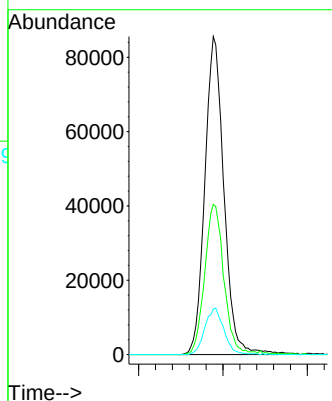
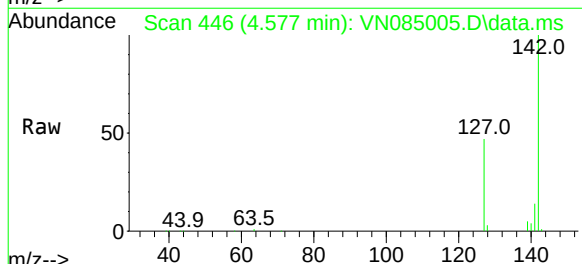
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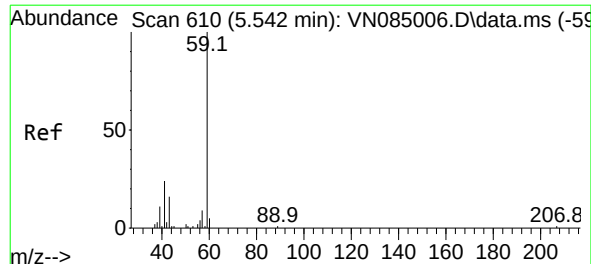
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.2	36.6	54.8
141	14.3	12.2	18.4





#11

Tert butyl alcohol

Concen: 427.348 ug/l

RT: 5.553 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 141986

Ion Ratio Lower Upper

59 100

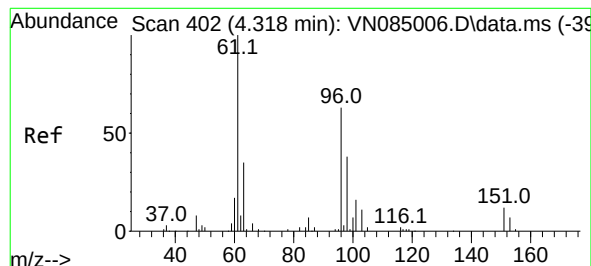
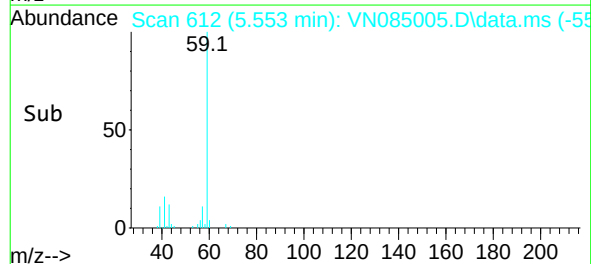
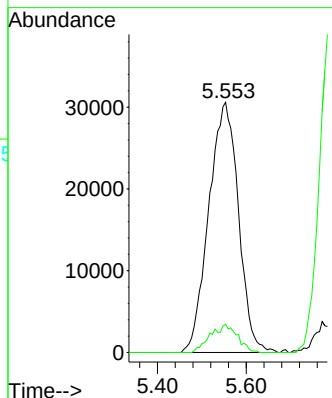
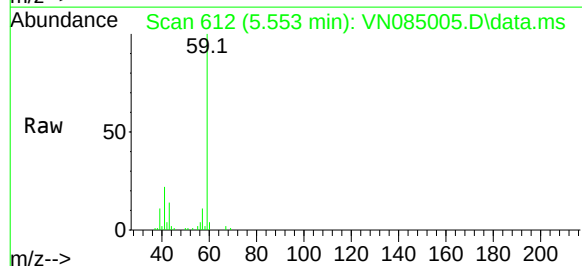
57 10.2 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 103.013 ug/l

RT: 4.330 min Scan# 404

Delta R.T. 0.012 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

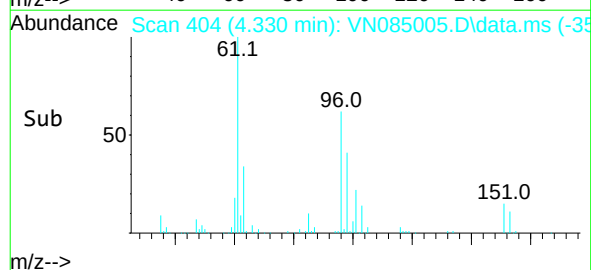
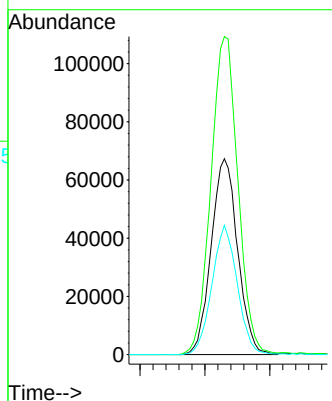
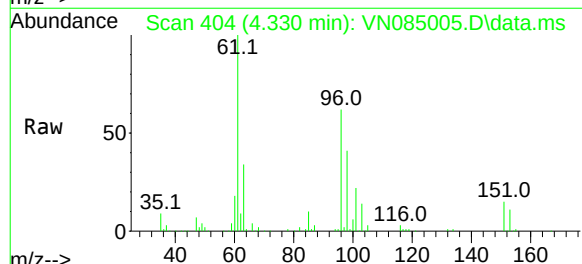
Tgt Ion: 96 Resp: 190847

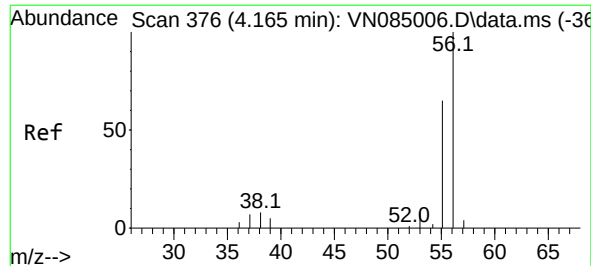
Ion Ratio Lower Upper

96 100

61 162.4 127.8 191.8

98 66.1 49.2 73.8





#13

Acrolein

Concen: 502.422 ug/l

RT: 4.171 min Scan# 37

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 111387

Ion Ratio Lower Upper

56 100

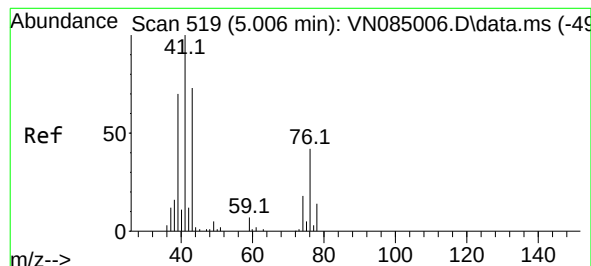
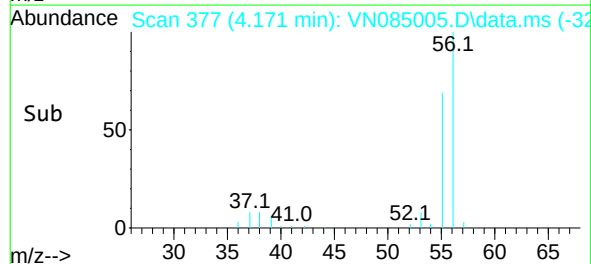
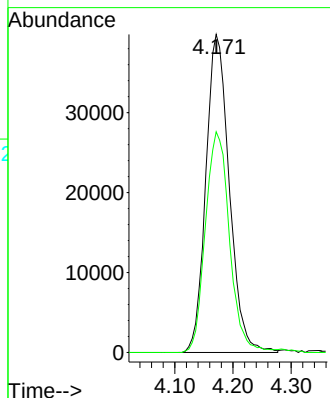
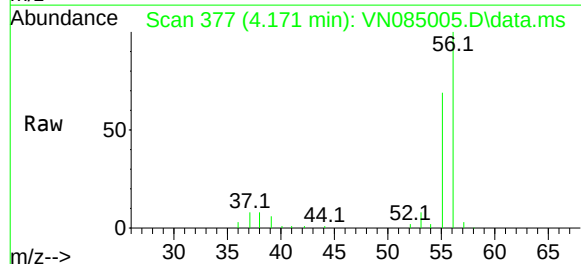
55 71.2 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 103.788 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

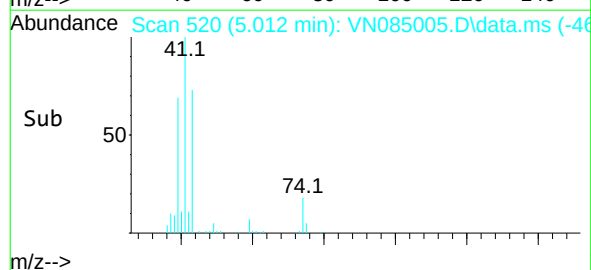
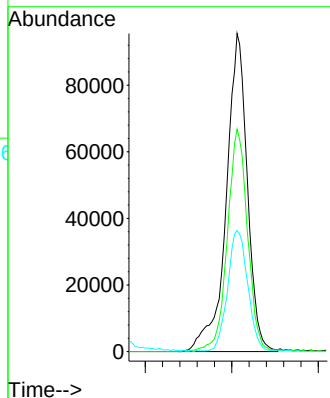
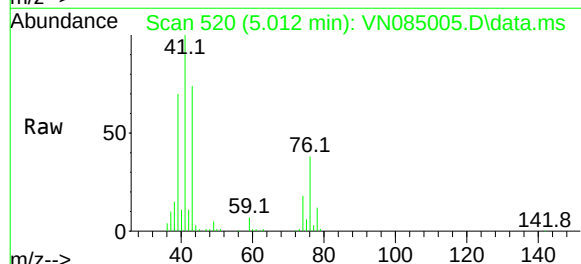
Tgt Ion: 41 Resp: 324148

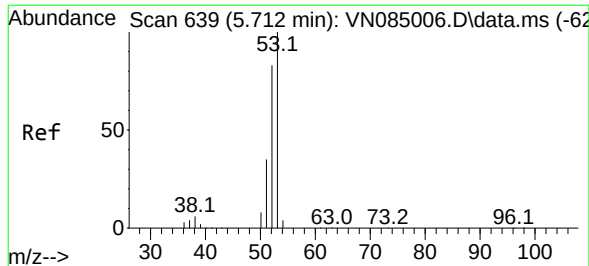
Ion Ratio Lower Upper

41 100

39 66.7 53.8 80.8

76 35.8 29.3 43.9





#15

Acrylonitrile

Concen: 485.851 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 53 Resp: 457016

Ion Ratio Lower Upper

53 100

52 81.8 65.5 98.3

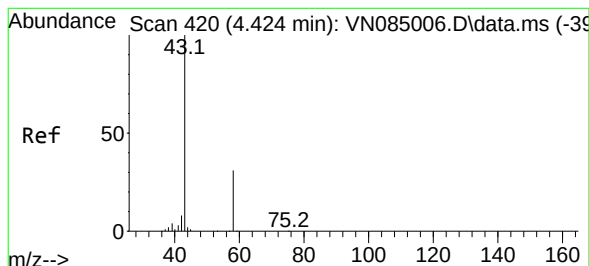
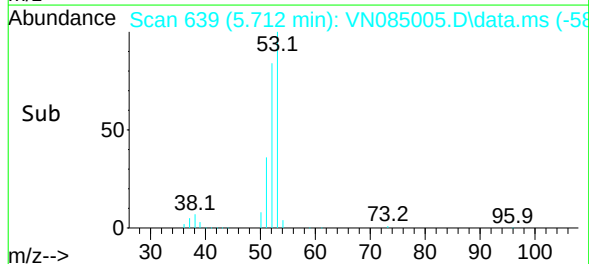
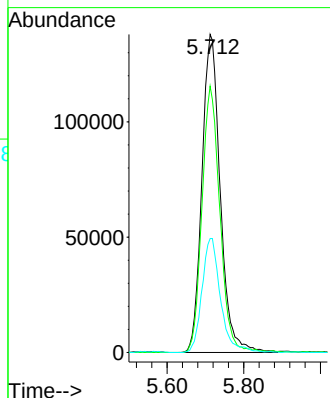
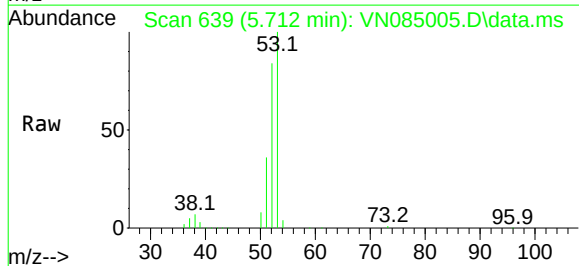
51 36.3 28.4 42.6

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 551.165 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN085005.D

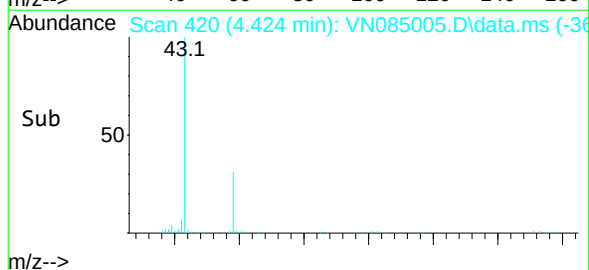
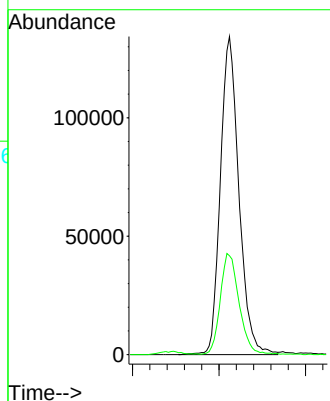
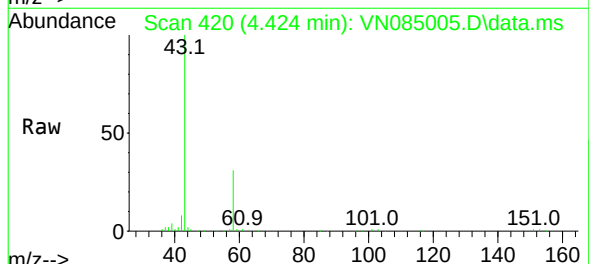
Acq: 22 Nov 2024 11:22

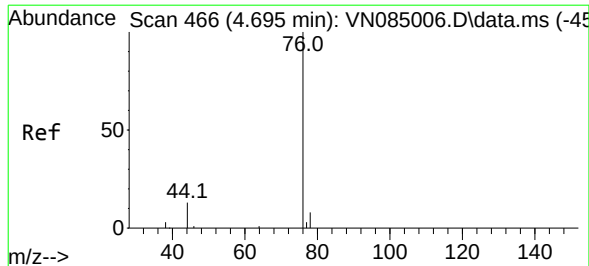
Tgt Ion: 43 Resp: 399104

Ion Ratio Lower Upper

43 100

58 30.8 25.4 38.2





#17

Carbon Disulfide

Concen: 96.448 ug/l

RT: 4.700 min Scan# 46

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 527408

Ion Ratio Lower Upper

76 100

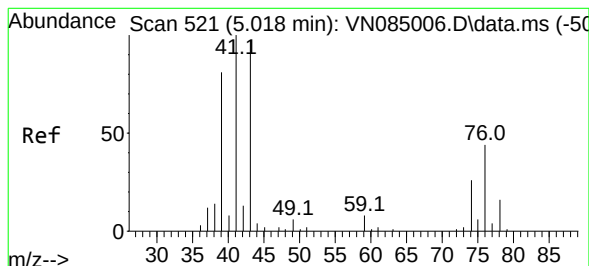
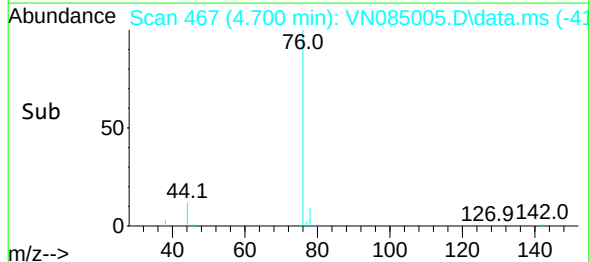
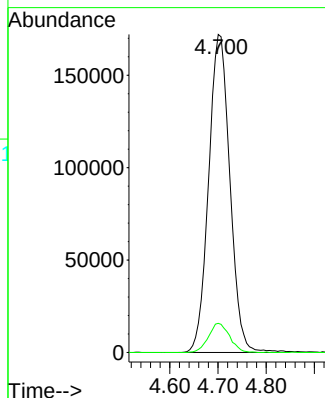
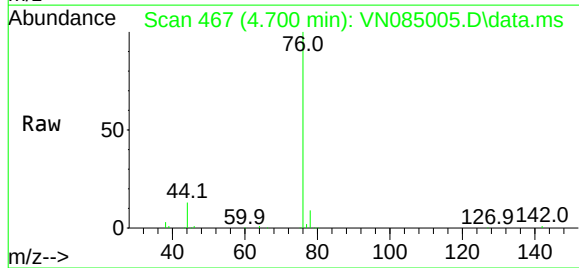
78 9.2 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 100.214 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085005.D

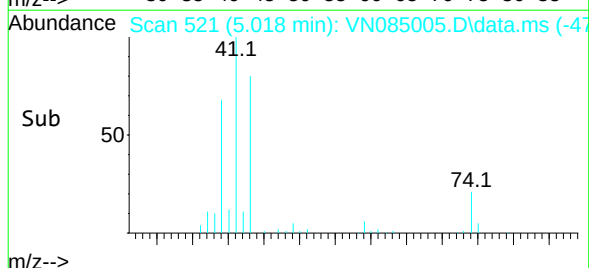
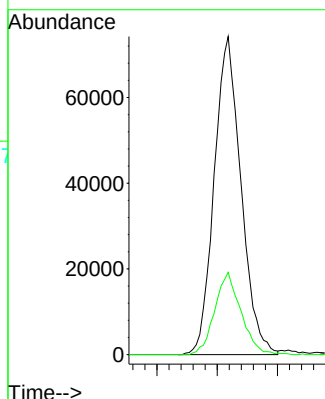
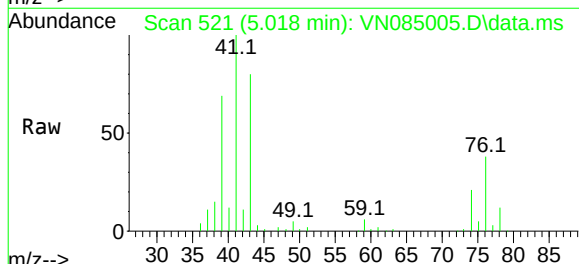
Acq: 22 Nov 2024 11:22

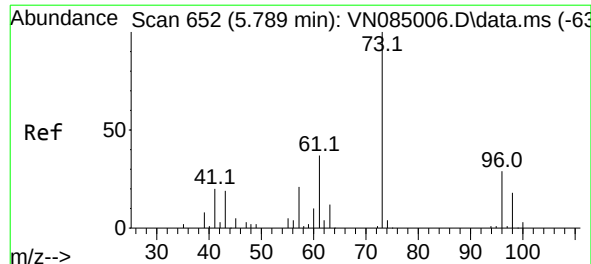
Tgt Ion: 43 Resp: 229272

Ion Ratio Lower Upper

43 100

74 25.2 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 107.267 ug/l

RT: 5.789 min Scan# 65

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 649308

Ion Ratio Lower Upper

73 100

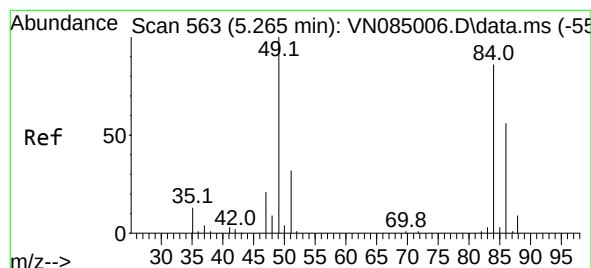
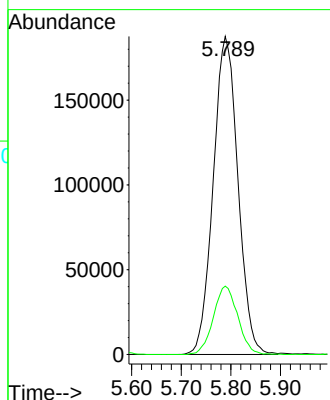
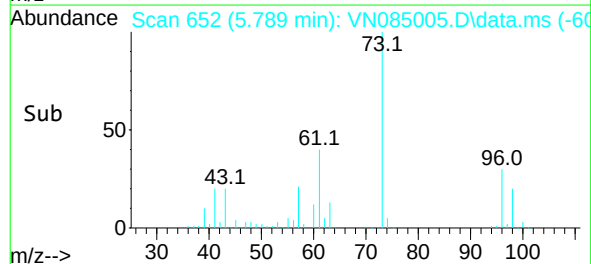
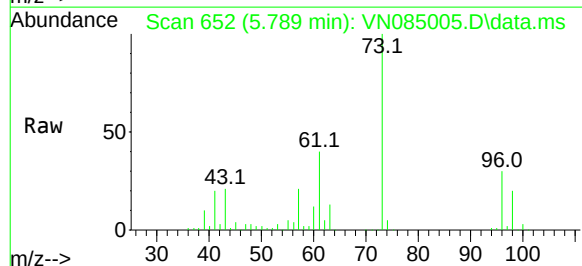
57 21.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 95.251 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

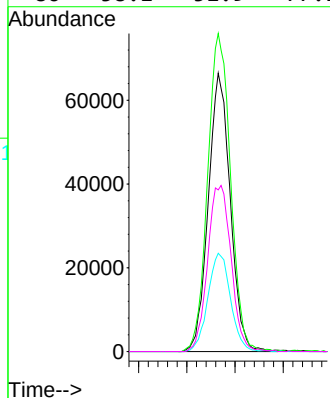
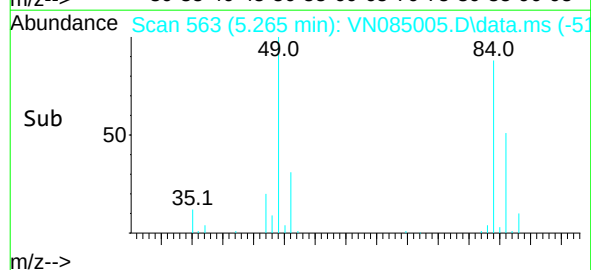
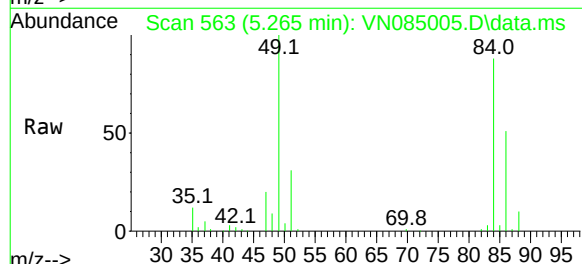
Ion Ratio Lower Upper

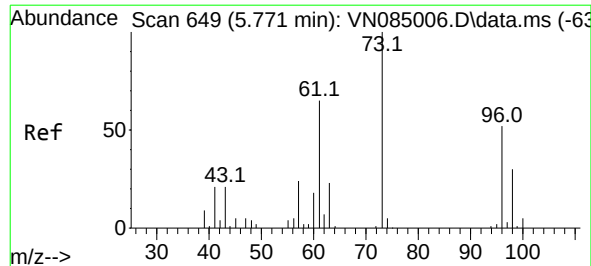
84 100

49 114.2 92.7 139.1

51 35.3 29.4 44.2

86 58.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 102.076 ug/l

RT: 5.777 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 199008

Ion Ratio Lower Upper

96 100

61 135.1 100.7 151.1

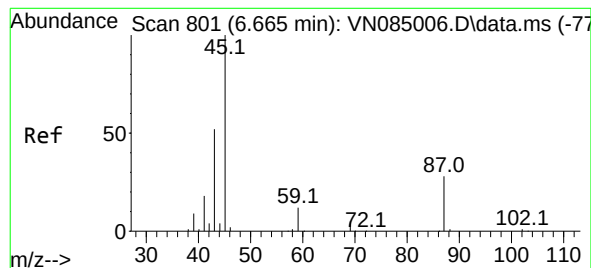
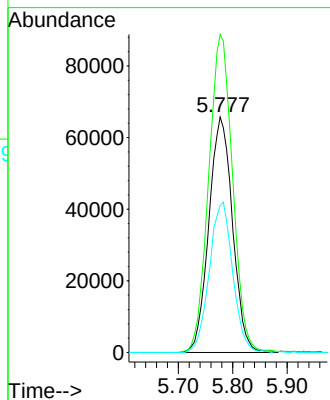
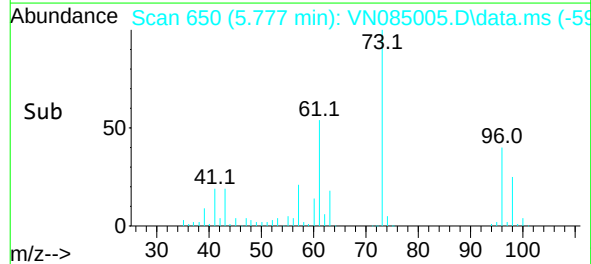
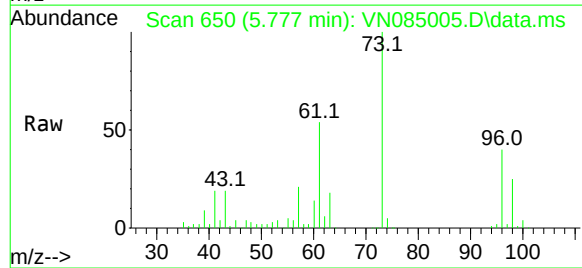
98 62.5 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 100.923 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389

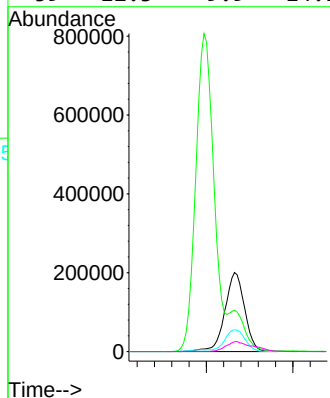
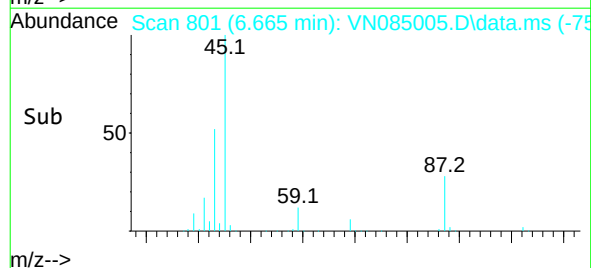
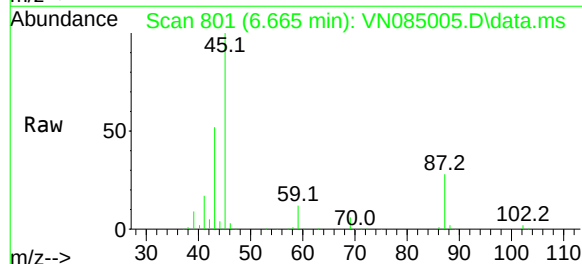
Ion Ratio Lower Upper

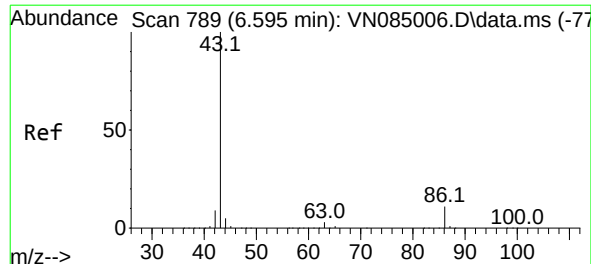
45 100

43 51.5 42.7 64.1

87 27.3 22.6 34.0

59 12.3 9.9 14.9





#23

Vinyl Acetate

Concen: 541.815 ug/l

RT: 6.595 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2349580

Ion Ratio Lower Upper

43 100

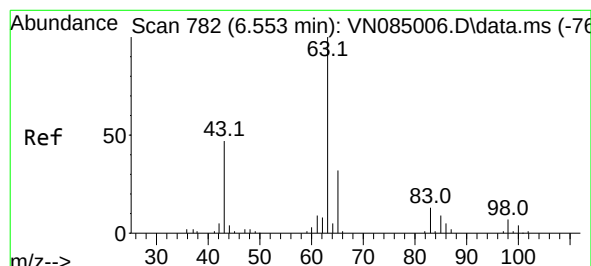
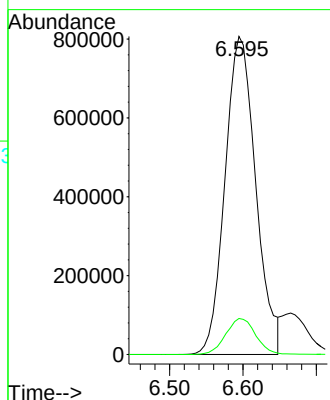
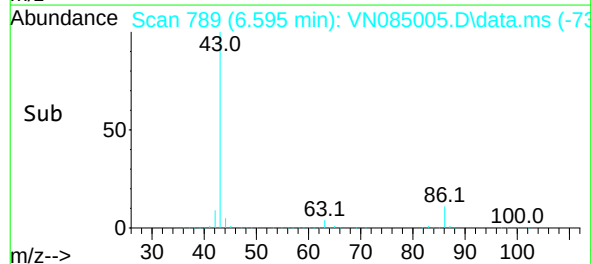
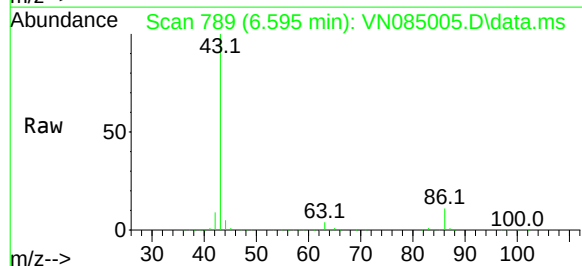
86 11.3 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 101.270 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.012 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

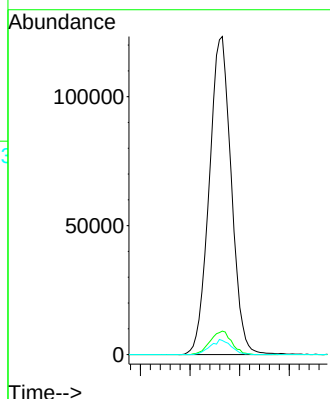
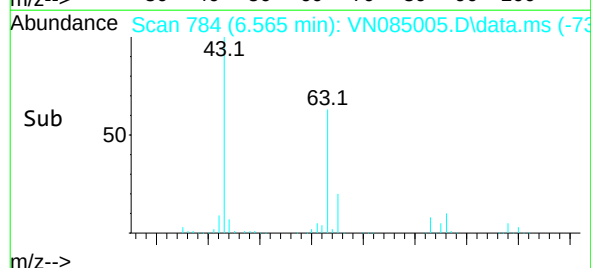
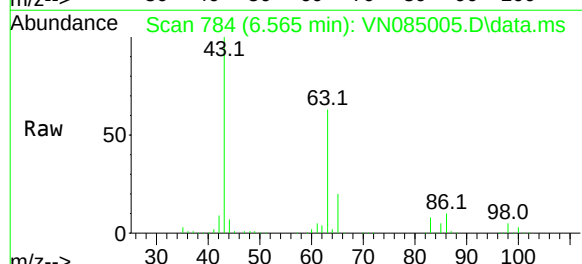
Tgt Ion: 63 Resp: 380941

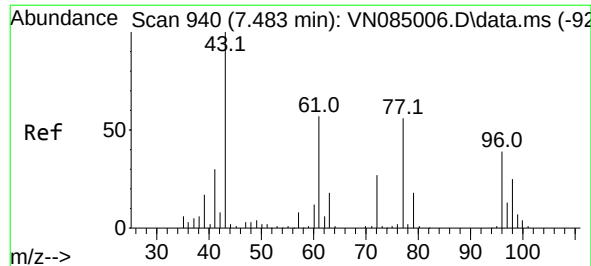
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 4.4 2.2 6.6





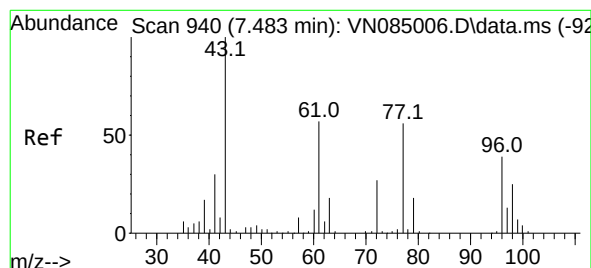
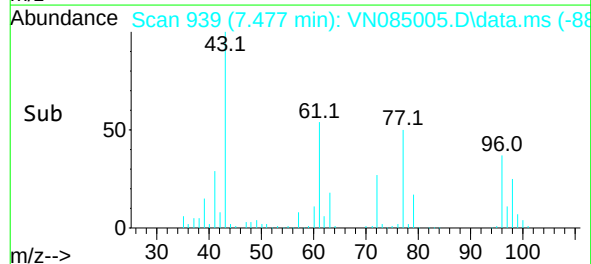
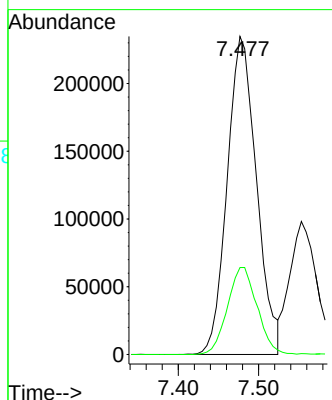
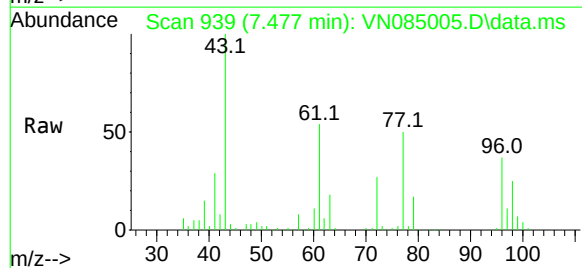
#25
2-Butanone
Concen: 503.469 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 596036
Ion Ratio Lower Upper
43 100
72 27.3 21.4 32.0

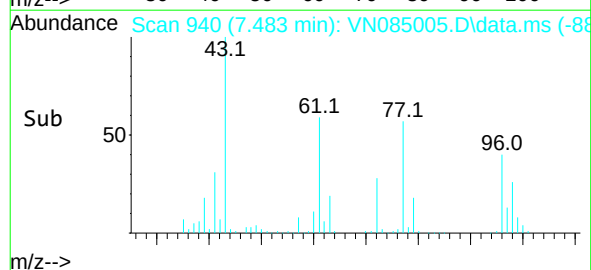
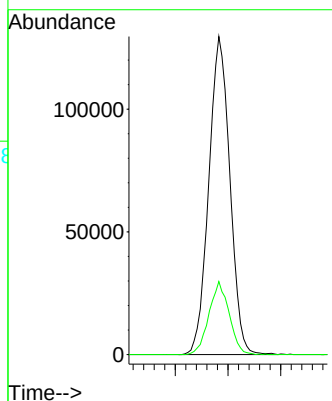
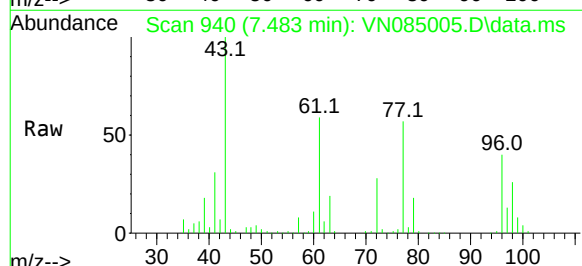
Manual Integrations
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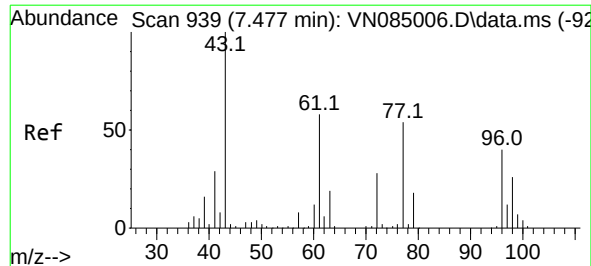
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#26
2,2-Dichloropropane
Concen: 102.775 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 360997
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.7





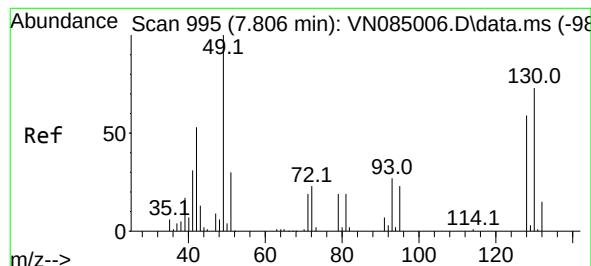
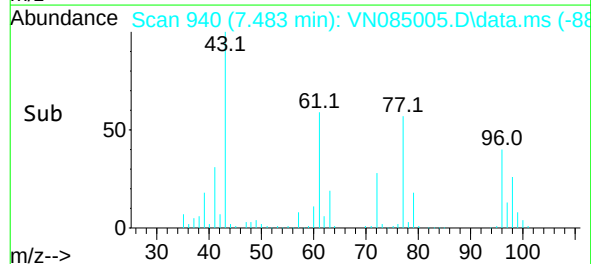
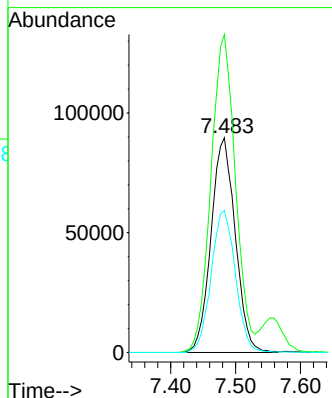
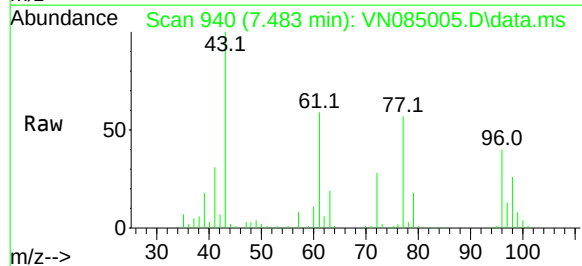
#27
cis-1,2-Dichloroethene
Concen: 99.132 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 232992
Ion Ratio Lower Upper
96 100
61 149.6 0.0 291.6
98 66.3 0.0 129.8

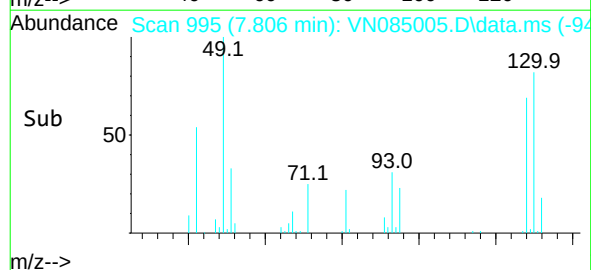
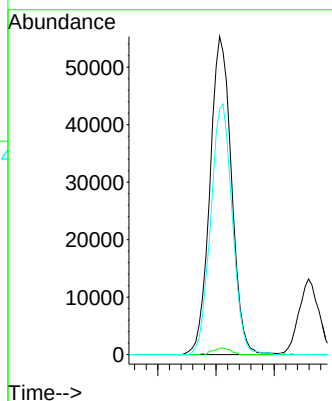
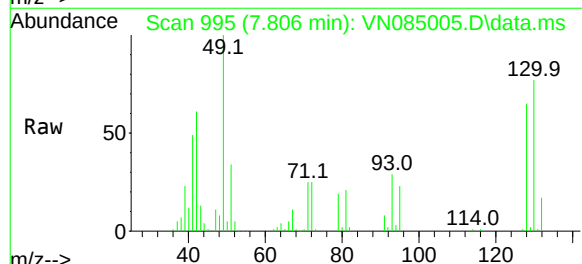
Manual Integrations
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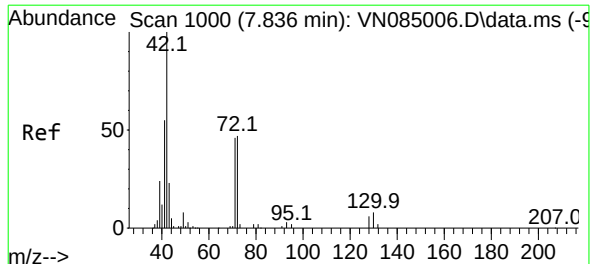
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#28
Bromochloromethane
Concen: 100.575 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 142811
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.0
130 78.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 507.558 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 373666

Ion Ratio Lower Upper

42 100

72 46.1 37.0 55.4

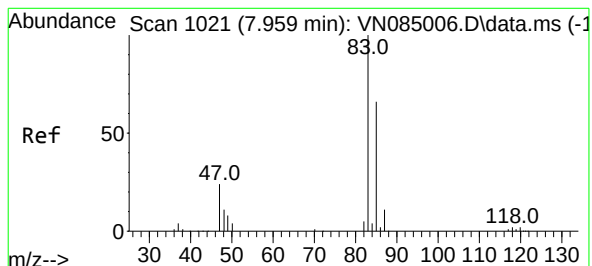
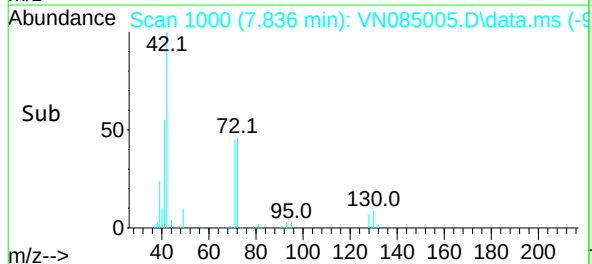
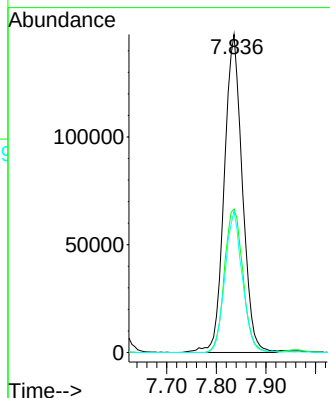
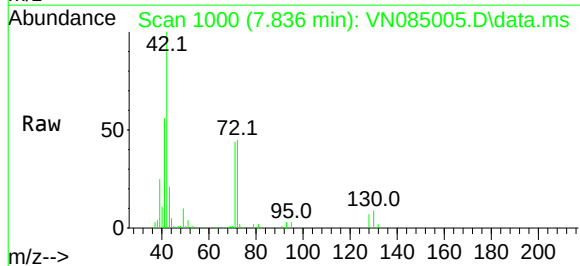
71 42.7 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 97.513 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085005.D

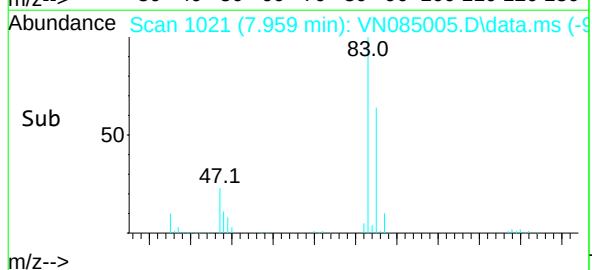
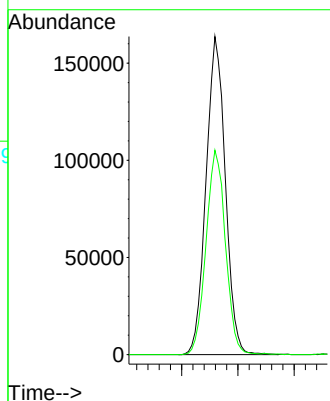
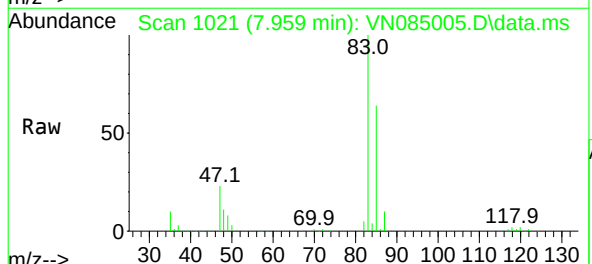
Acq: 22 Nov 2024 11:22

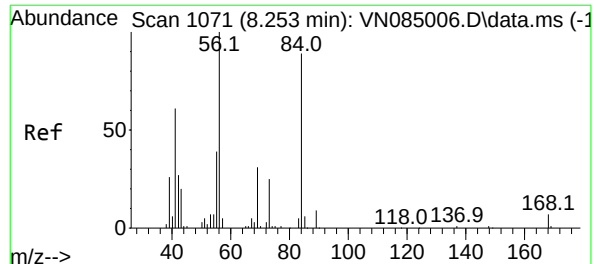
Tgt Ion: 83 Resp: 390189

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8





#31

Cyclohexane

Concen: 96.305 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 318957

Ion Ratio Lower Upper

56 100

69 34.1 24.6 36.8

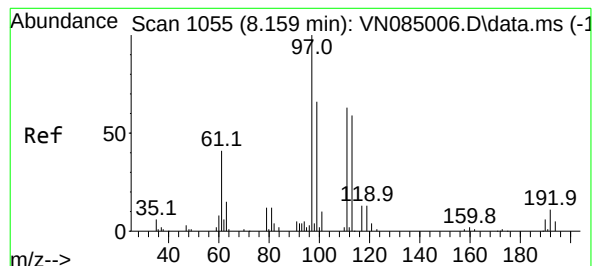
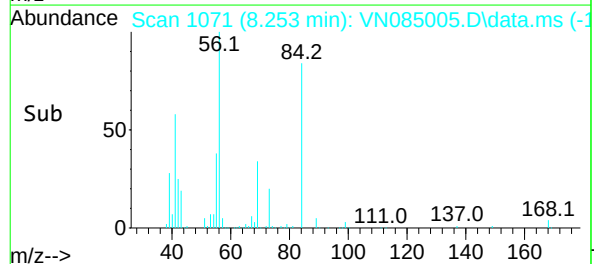
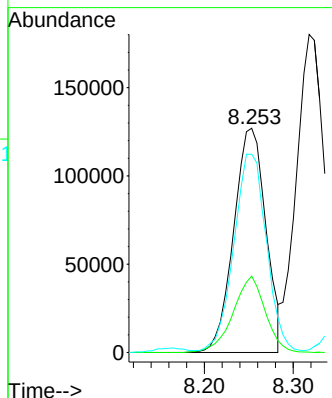
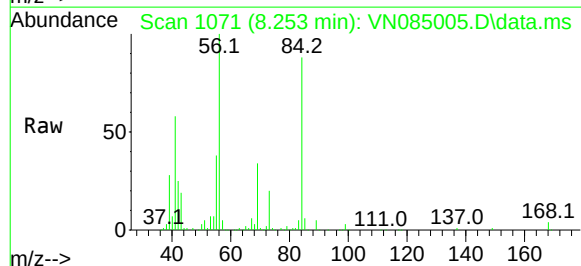
84 86.8 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 101.081 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

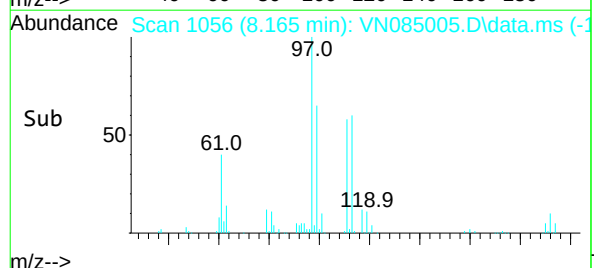
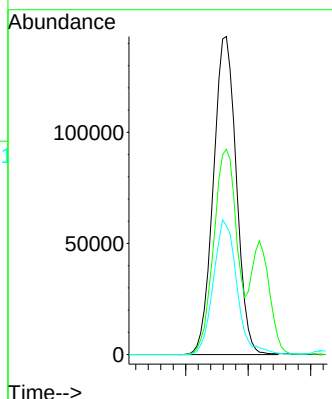
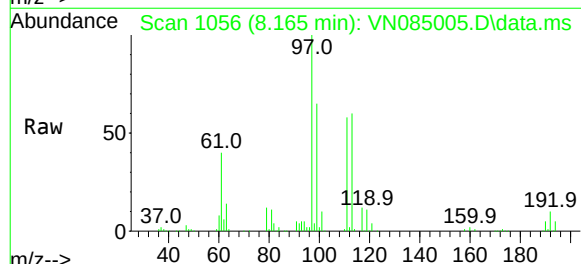
Tgt Ion: 97 Resp: 365495

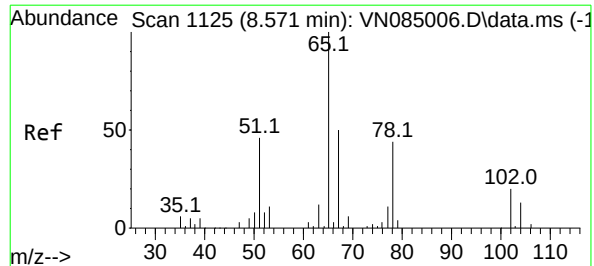
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

61 43.4 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 103.553 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 257466

Ion Ratio Lower Upper

65 100

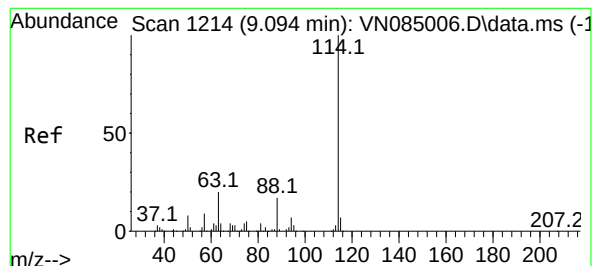
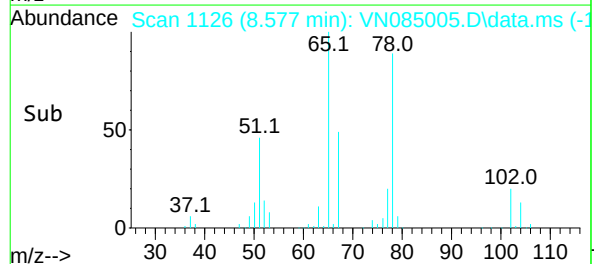
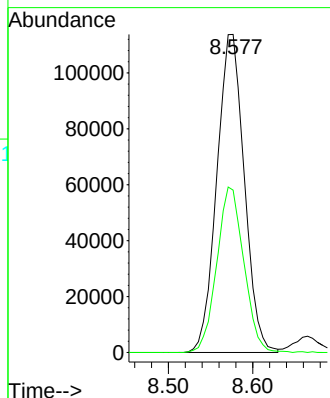
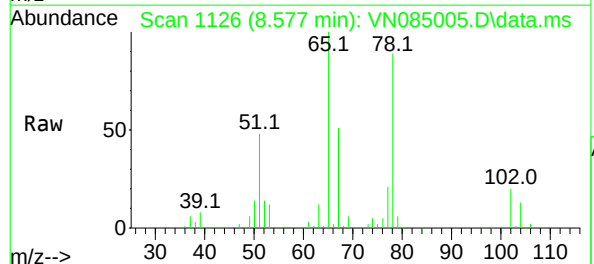
67 51.1 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

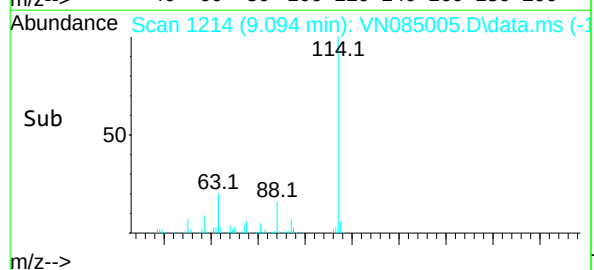
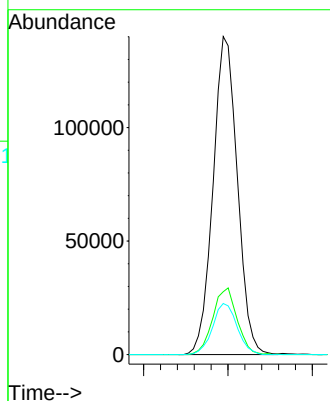
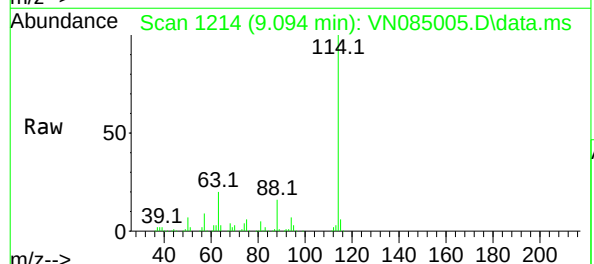
Tgt Ion:114 Resp: 280535

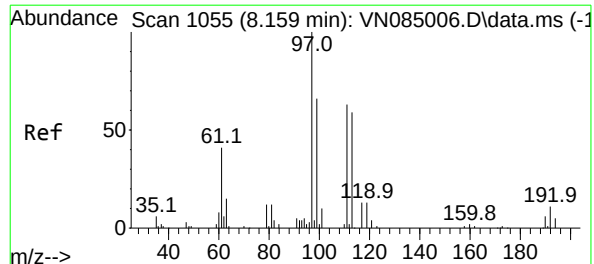
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 107.183 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 202772

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

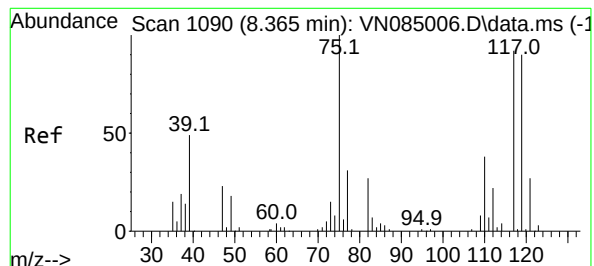
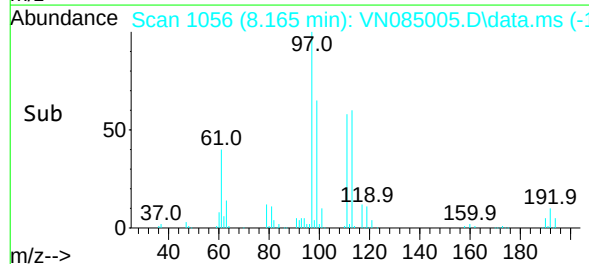
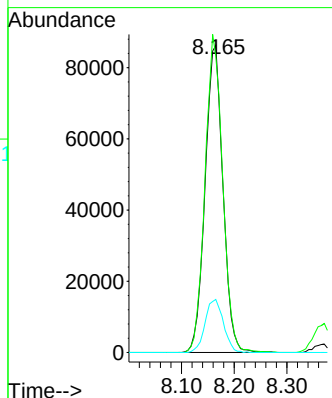
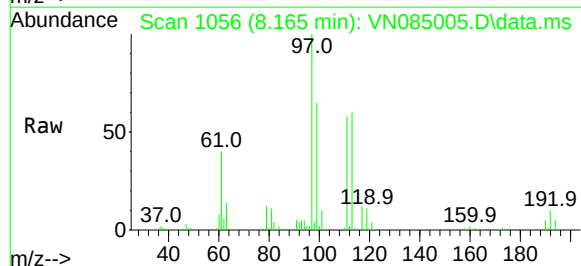
192 17.7 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 107.966 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

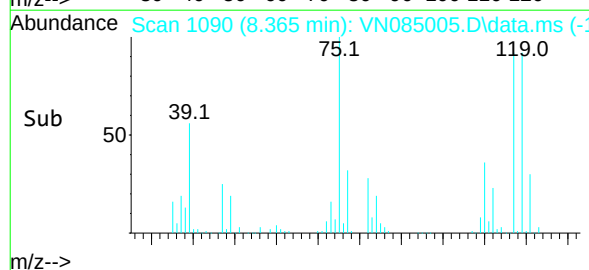
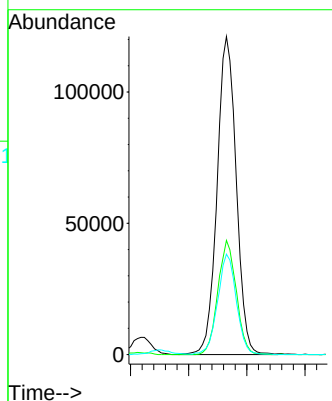
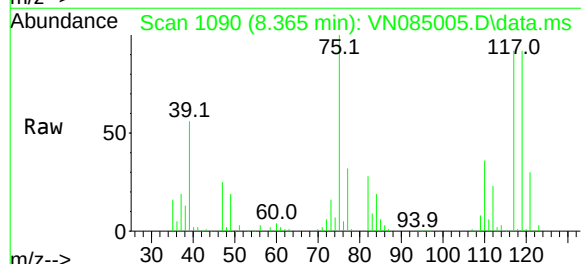
Tgt Ion: 75 Resp: 276659

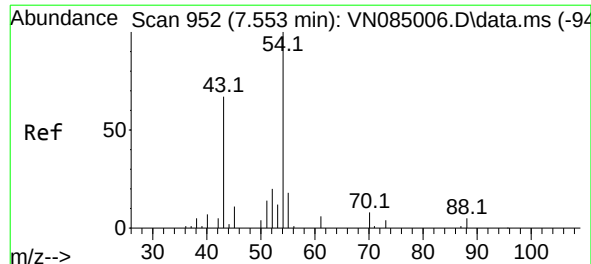
Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.6

77 31.0 24.2 36.4





#37

Ethyl Acetate

Concen: 101.478 ug/l

RT: 7.553 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 236399

Ion Ratio Lower Upper

43 100

61 14.8 11.7 17.5

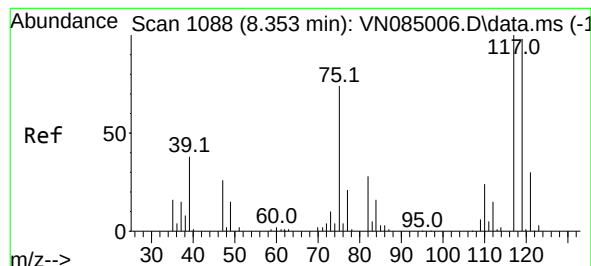
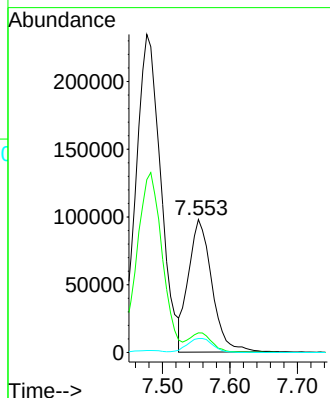
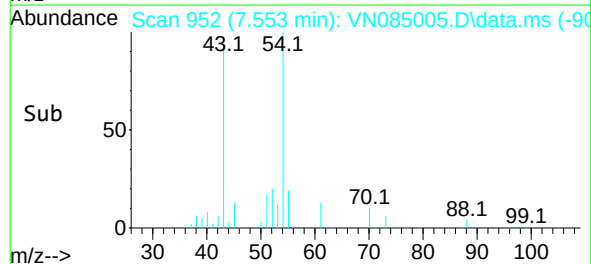
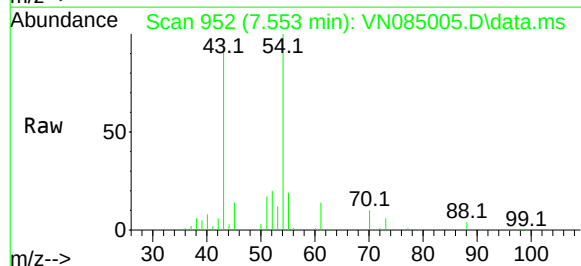
70 11.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 108.554 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

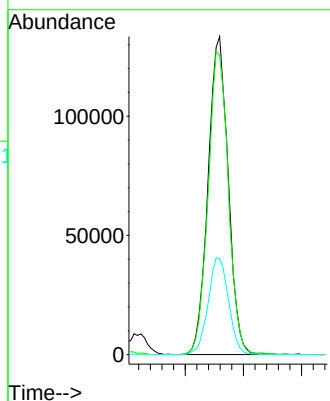
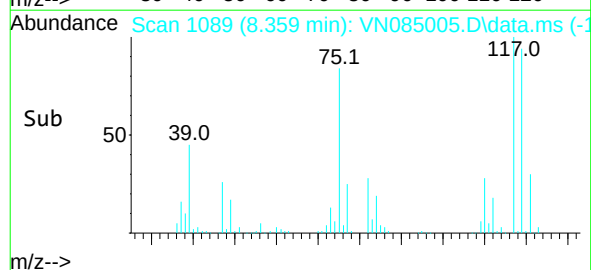
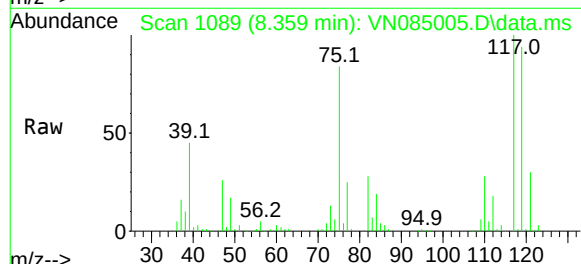
Tgt Ion:117 Resp: 321086

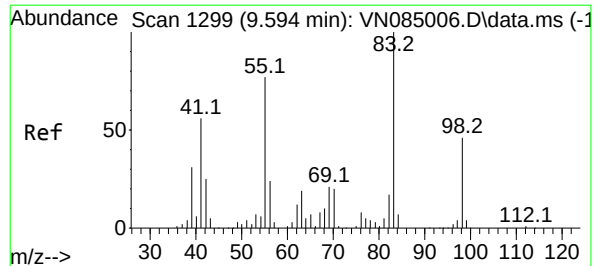
Ion Ratio Lower Upper

117 100

119 94.1 78.6 117.8

121 30.1 24.2 36.2





#39

Methylcyclohexane

Concen: 120.983 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 322151

Ion Ratio Lower Upper

83 100

55 73.8 61.8 92.6

98 47.8 37.0 55.6

Instrument :

MSVOA_N

ClientSampleId :

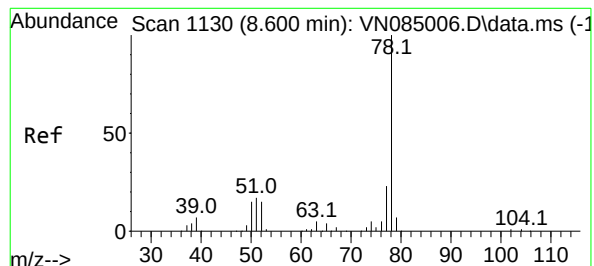
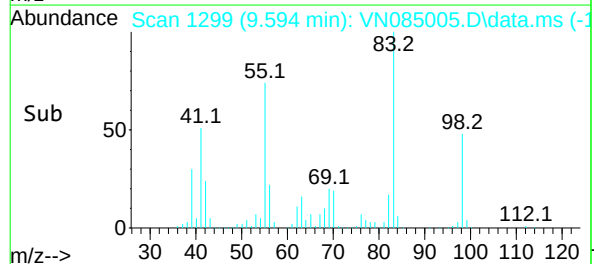
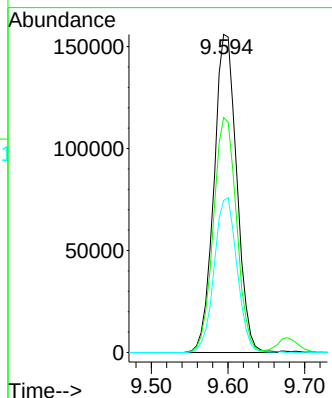
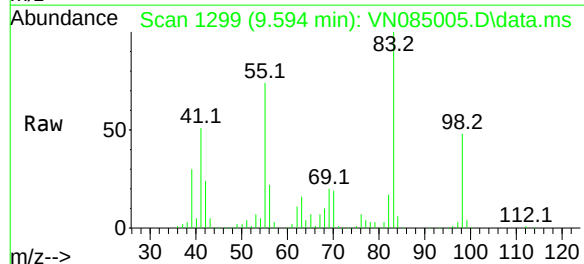
VSTDIC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 105.783 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085005.D

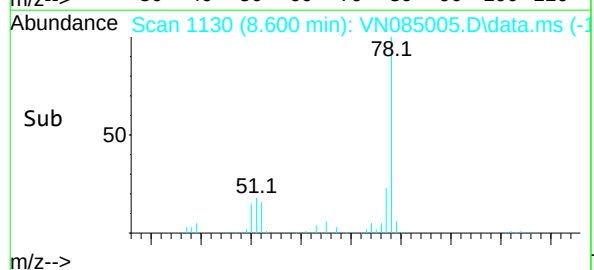
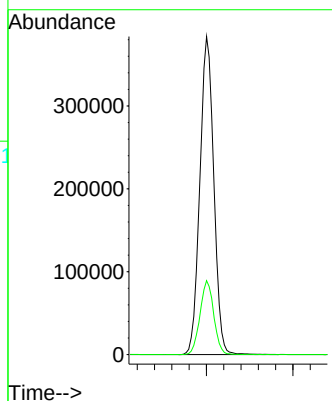
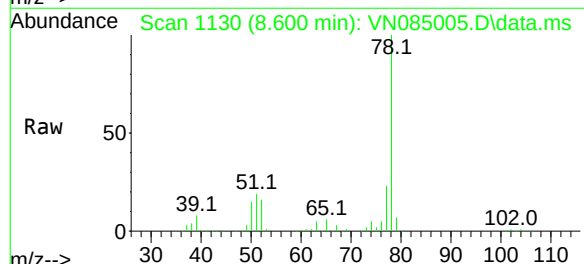
Acq: 22 Nov 2024 11:22

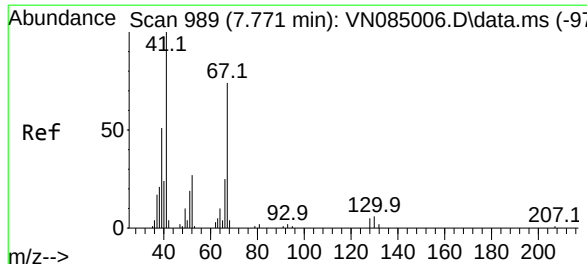
Tgt Ion: 78 Resp: 857333

Ion Ratio Lower Upper

78 100

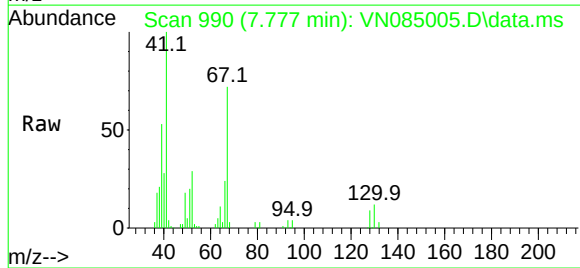
77 23.2 18.5 27.7





#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

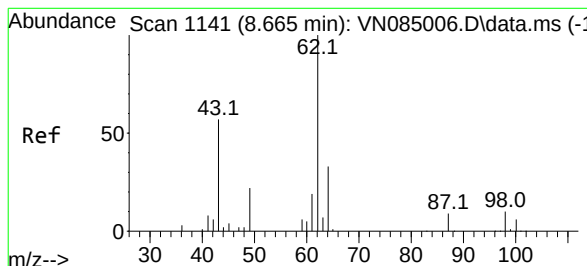
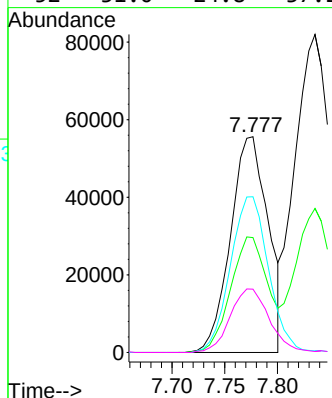
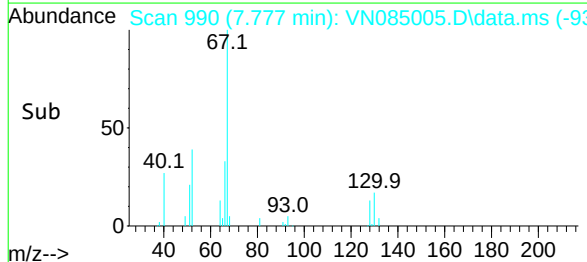
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 138044
Ion Ratio Lower Upper
41 100
39 52.8 42.6 63.8
67 73.5 59.9 89.9
52 31.0 24.8 37.2

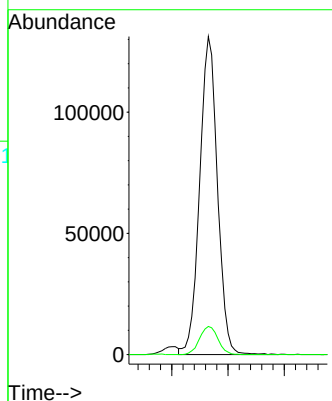
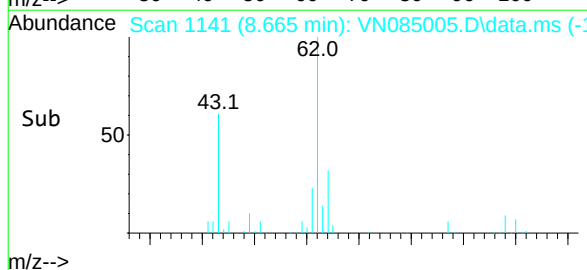
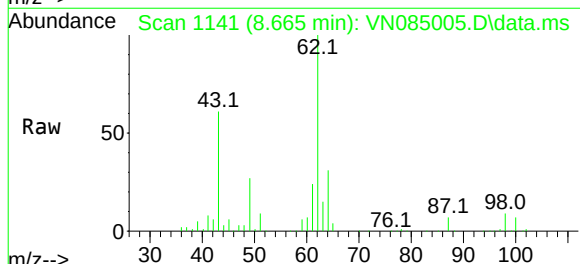
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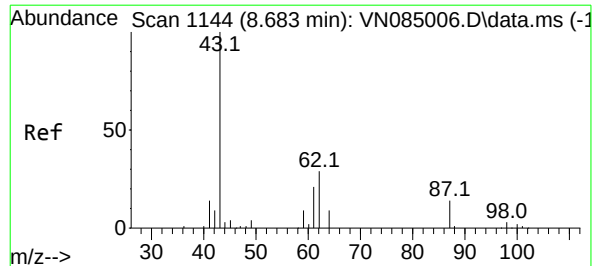
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.2





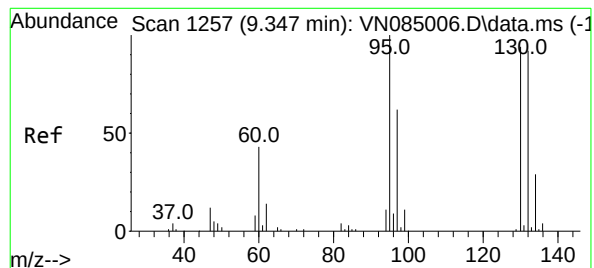
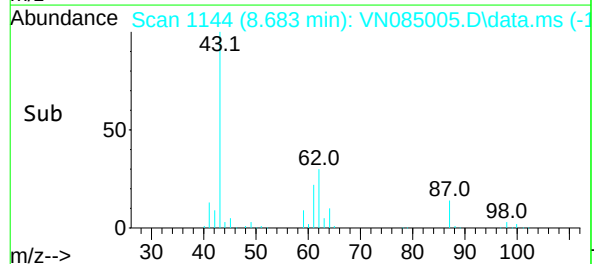
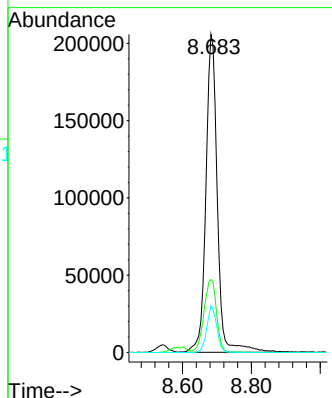
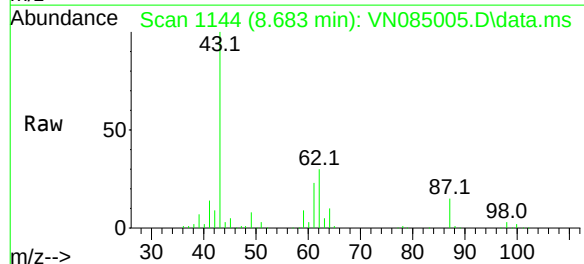
#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 473683
Ion Ratio Lower Upper
43 100
61 24.9 20.6 30.8
87 12.7 11.0 16.4

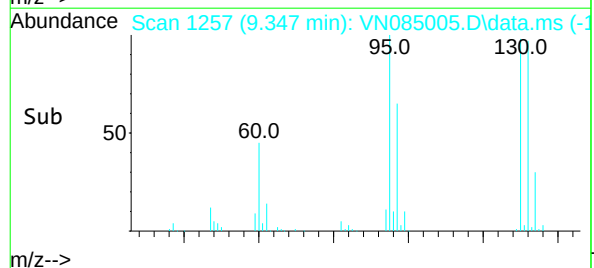
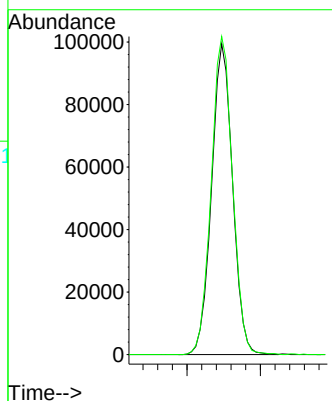
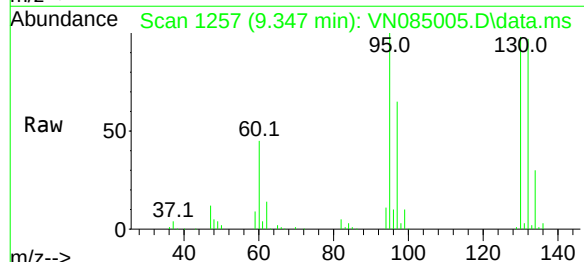
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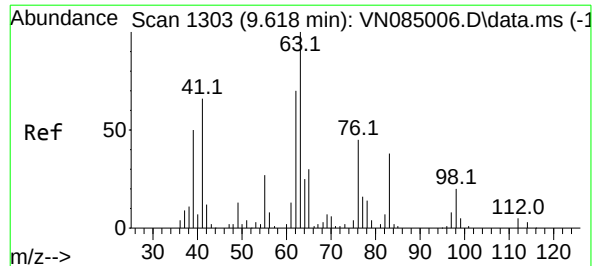
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 197483
Ion Ratio Lower Upper
130 100
95 102.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 103.586 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 206776

Ion Ratio Lower Upper

63 100

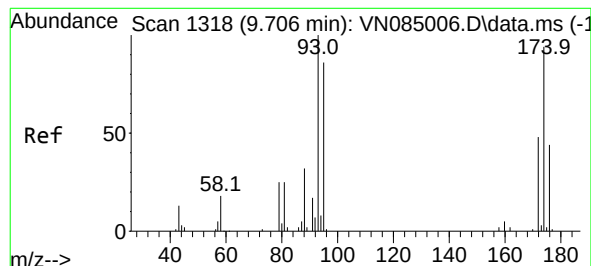
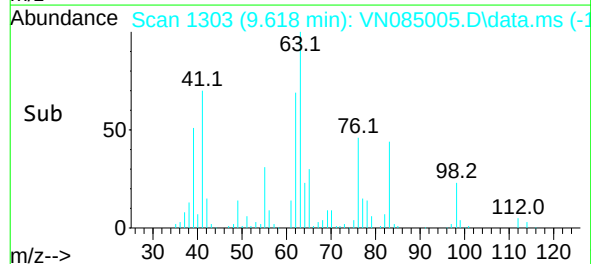
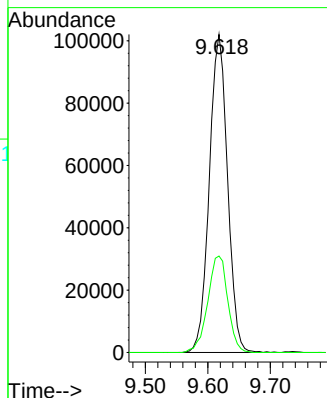
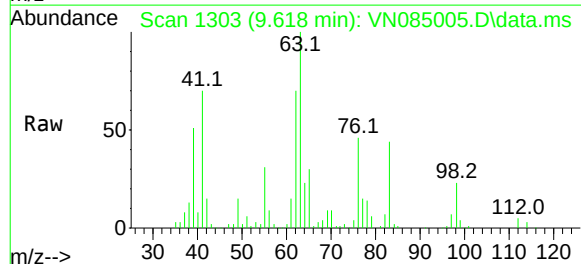
65 30.3 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 103.900 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

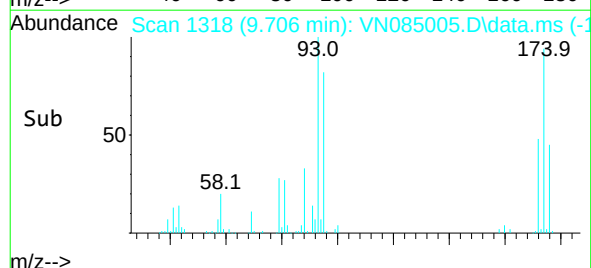
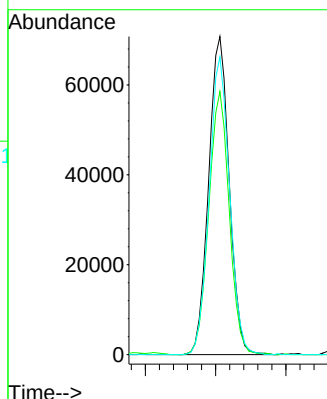
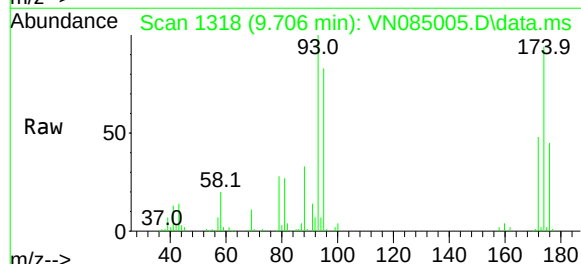
Tgt Ion: 93 Resp: 144116

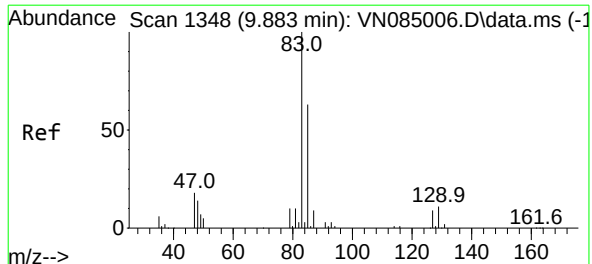
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

174 92.8 74.9 112.3





#47

Bromodichloromethane

Concen: 105.641 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 310562

Ion Ratio Lower Upper

83 100

85 64.6 50.5 75.7

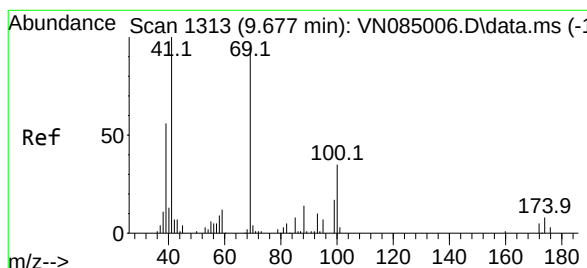
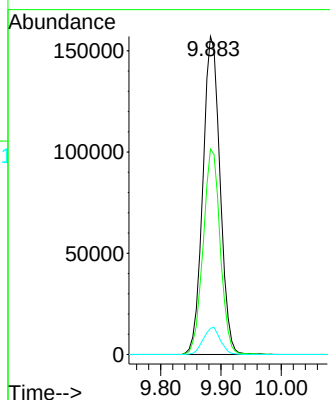
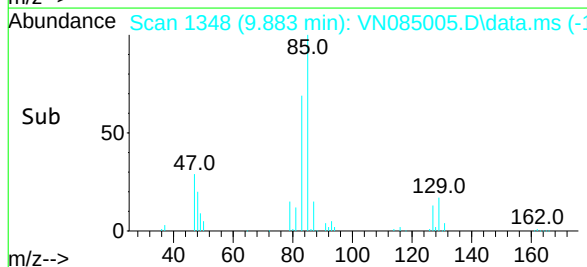
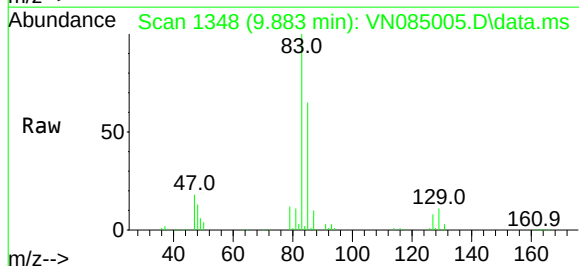
127 8.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 109.847 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

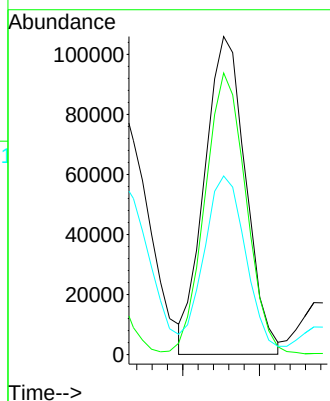
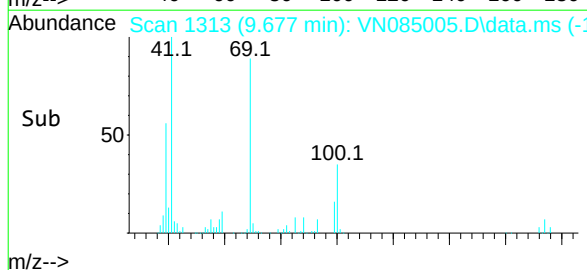
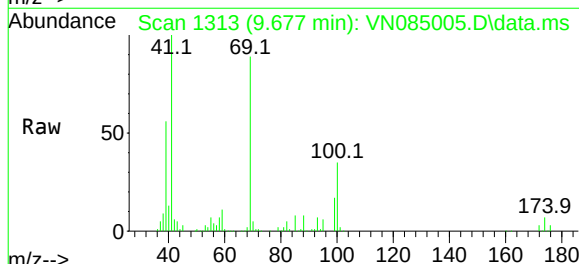
Tgt Ion: 41 Resp: 197798

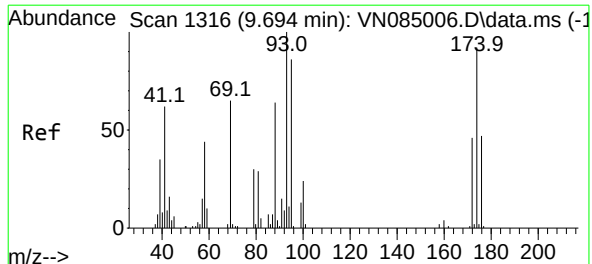
Ion Ratio Lower Upper

41 100

69 88.0 73.2 109.8

39 58.1 46.2 69.4





#49

1,4-Dioxane

Concen: 1959.471 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085005.D

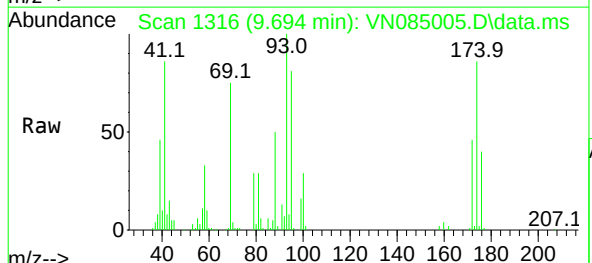
Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100



Tgt Ion: 88 Resp: 61188

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1

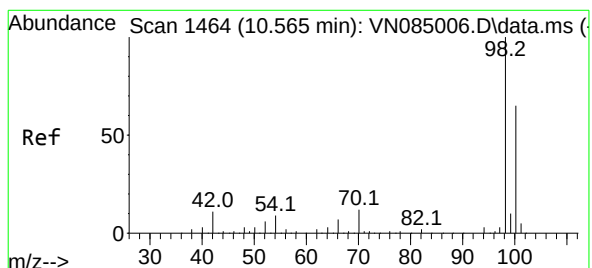
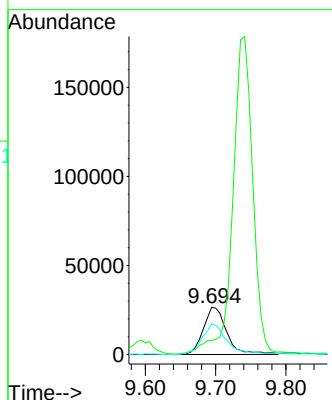
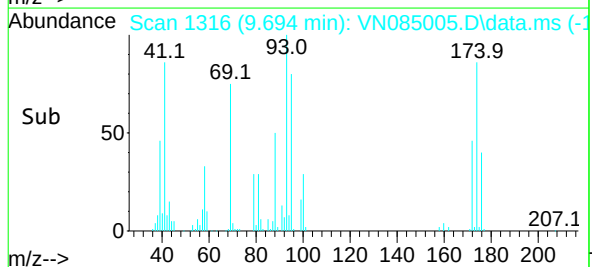
58 69.8 56.5 84.7

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

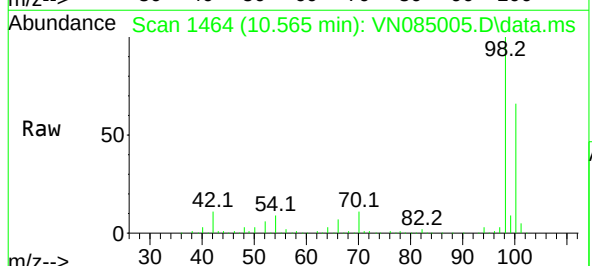
Concen: 109.694 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

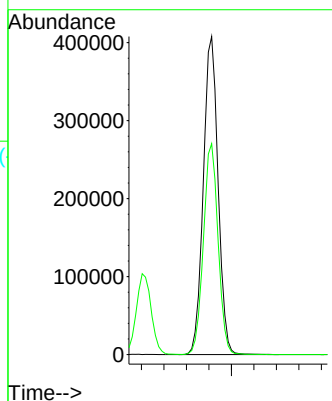
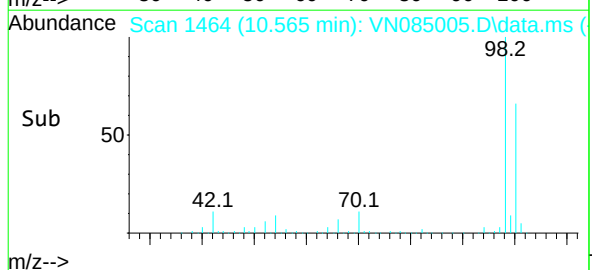


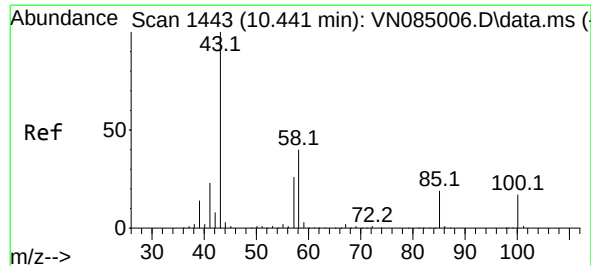
Tgt Ion: 98 Resp: 743711

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7





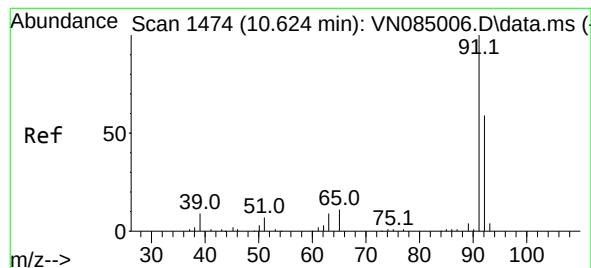
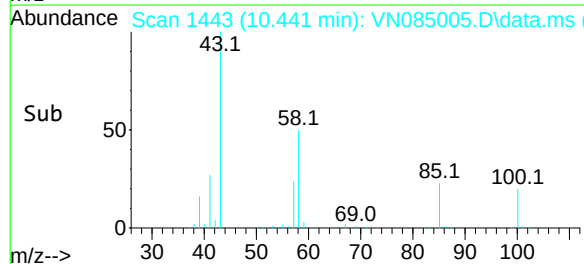
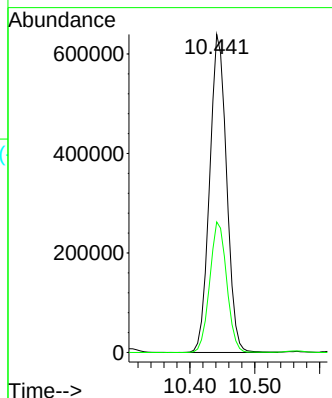
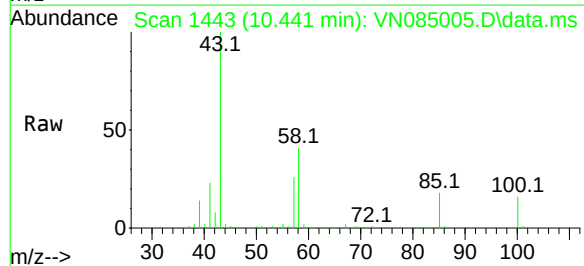
#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1162080
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1

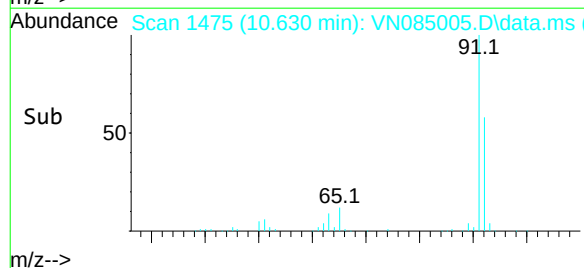
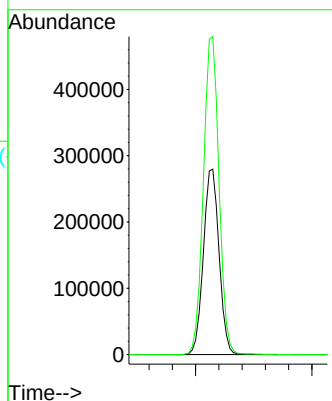
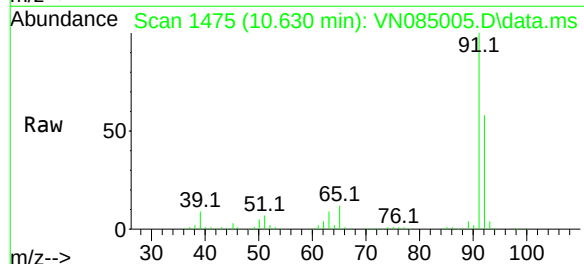
Manual Integrations
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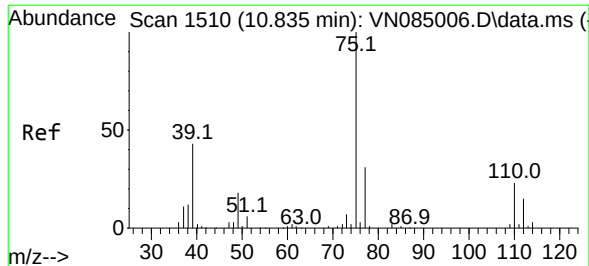
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980
Ion Ratio Lower Upper
92 100
91 170.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 109.180 ug/l

RT: 10.830 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 321796

Ion Ratio Lower Upper

75 100

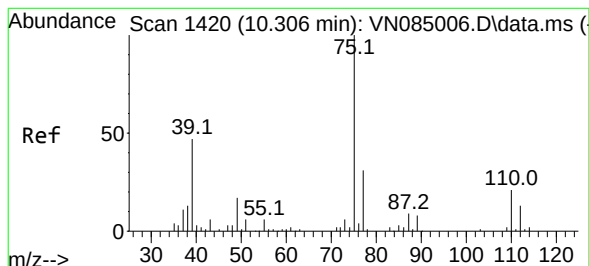
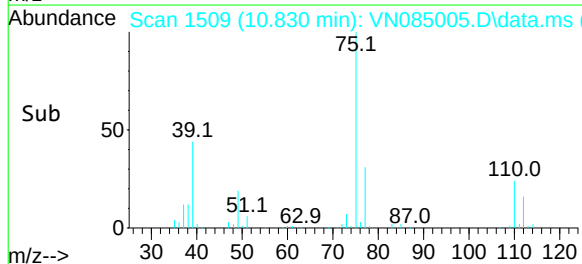
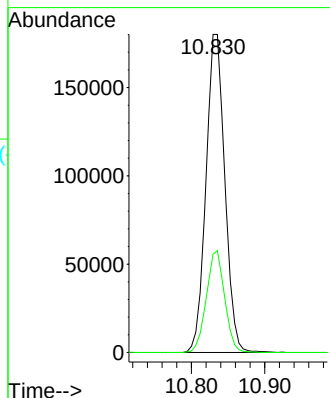
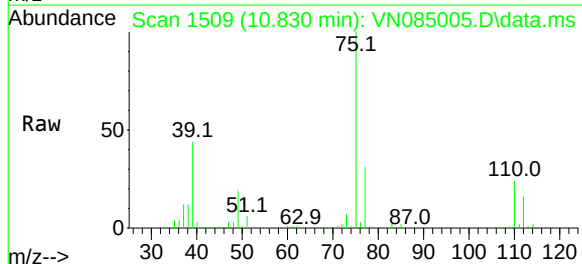
77 30.9 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 110.678 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

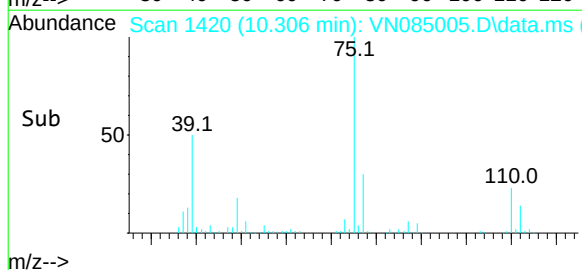
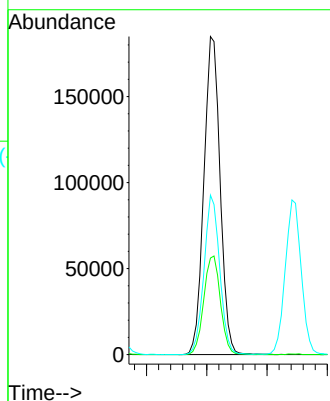
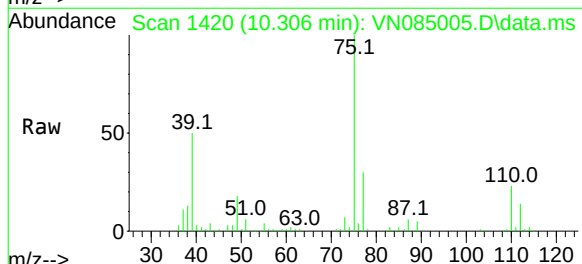
Tgt Ion: 75 Resp: 346064

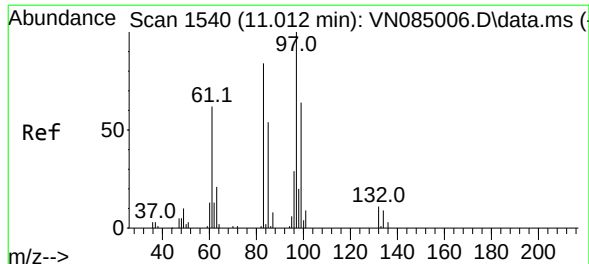
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 50.1 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 105.602 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 188724

Ion Ratio Lower Upper

97 100

83 84.6 67.4 101.2

85 55.6 43.1 64.7

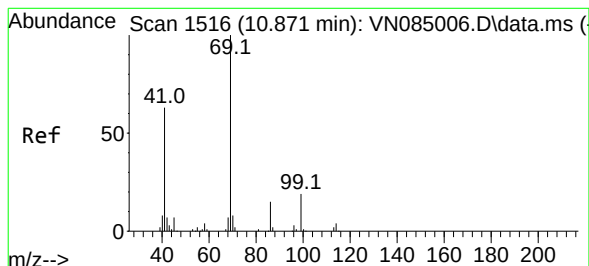
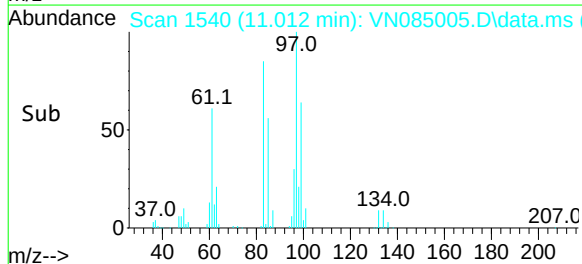
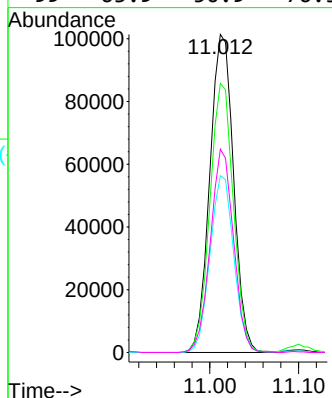
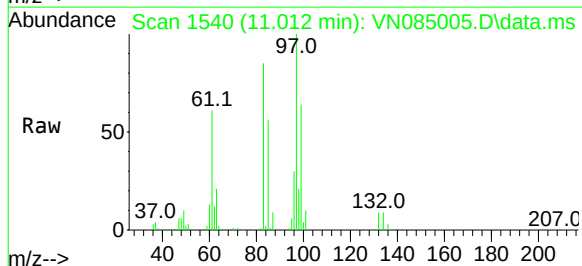
99 63.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 117.883 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

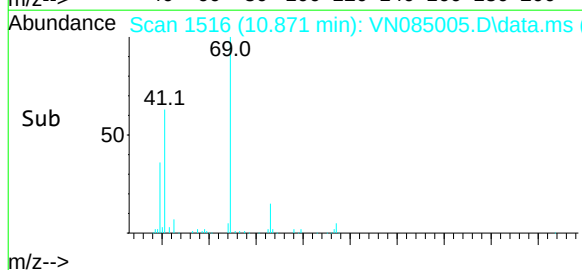
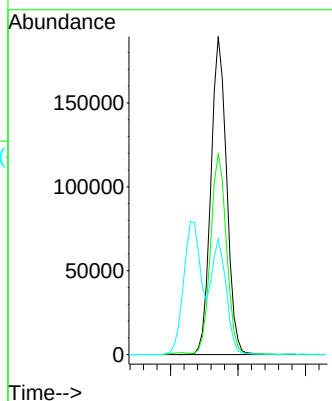
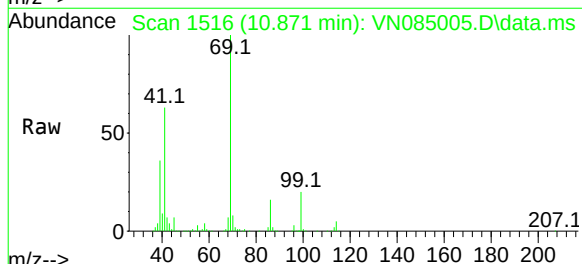
Tgt Ion: 69 Resp: 307844

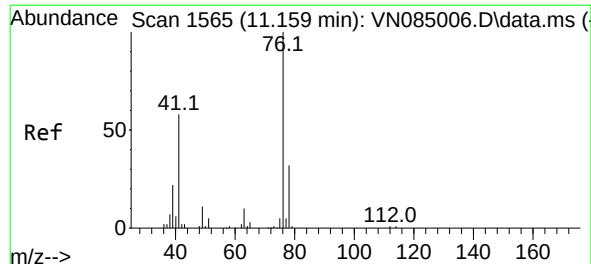
Ion Ratio Lower Upper

69 100

41 63.9 50.0 75.0

39 34.3 27.0 40.6





#57

1,3-Dichloropropane

Concen: 104.887 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 329902

Ion Ratio Lower Upper

76 100

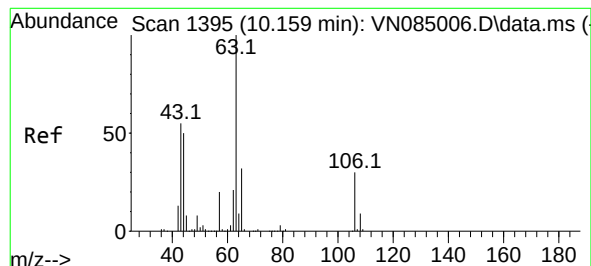
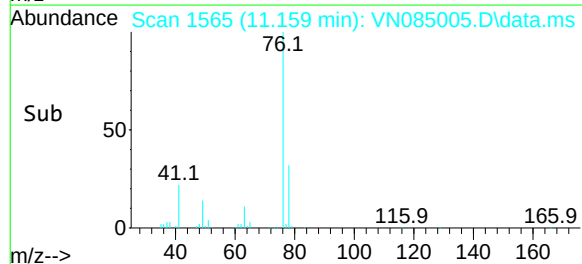
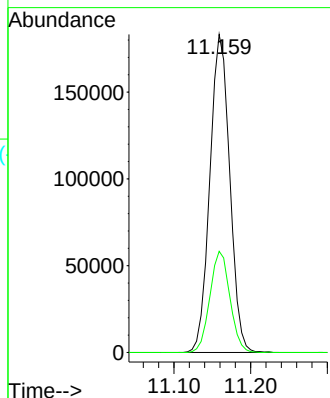
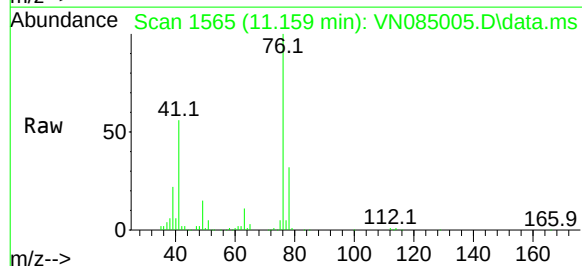
78 32.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 602.530 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085005.D

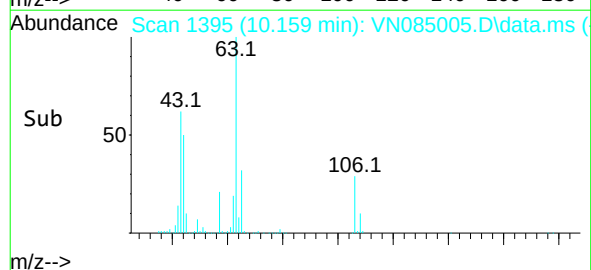
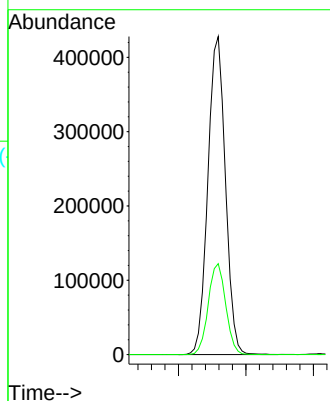
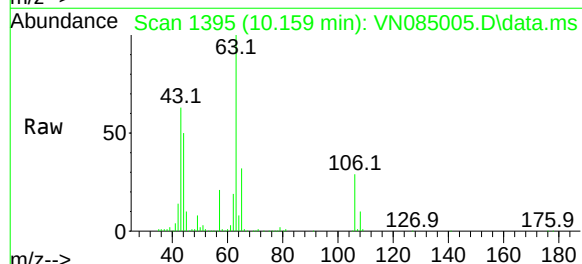
Acq: 22 Nov 2024 11:22

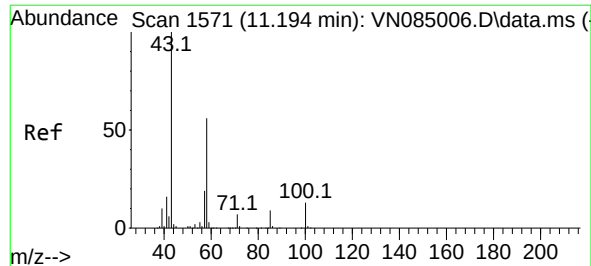
Tgt Ion: 63 Resp: 771827

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 535.314 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 884879

Ion Ratio Lower Upper

43 100

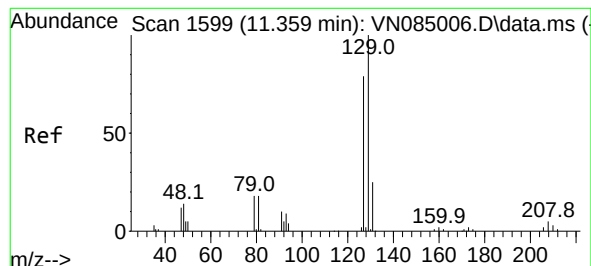
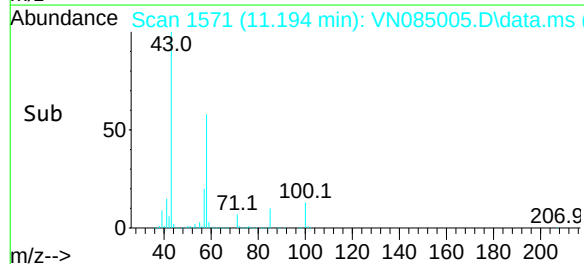
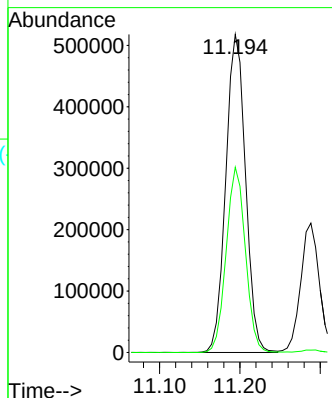
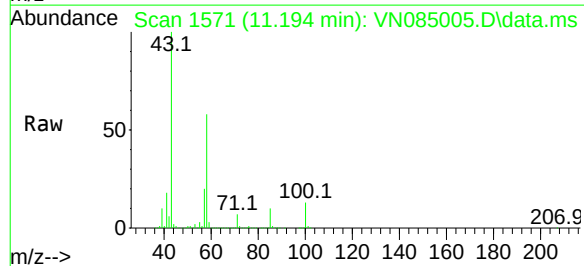
58 56.7 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 105.249 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085005.D

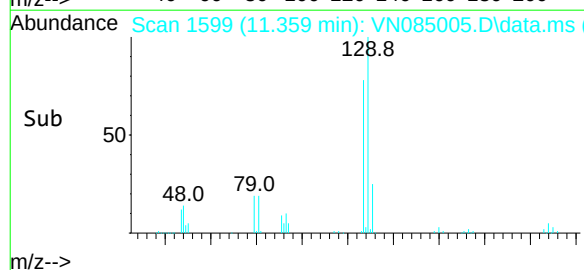
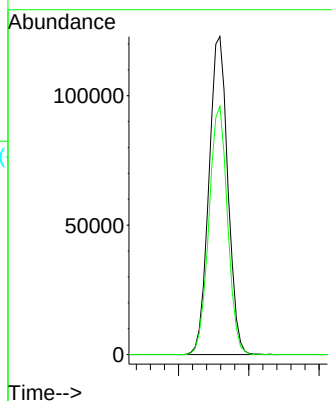
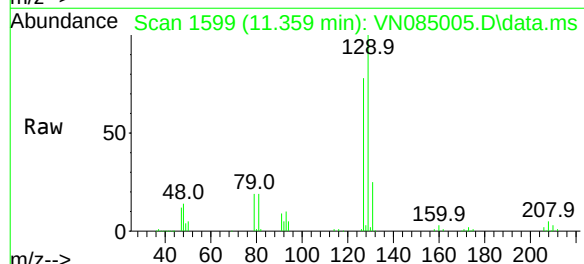
Acq: 22 Nov 2024 11:22

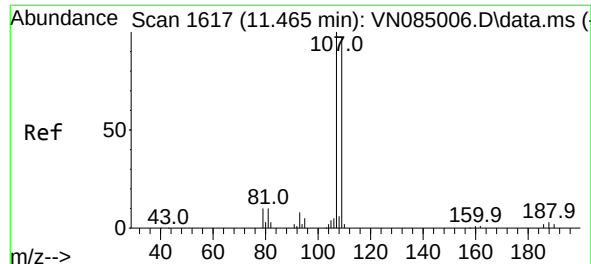
Tgt Ion:129 Resp: 229875

Ion Ratio Lower Upper

129 100

127 76.6 39.2 117.6





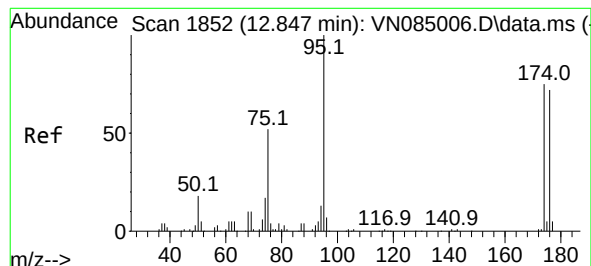
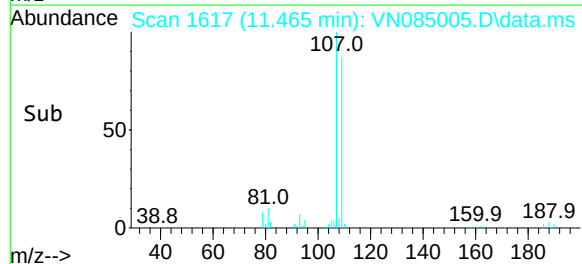
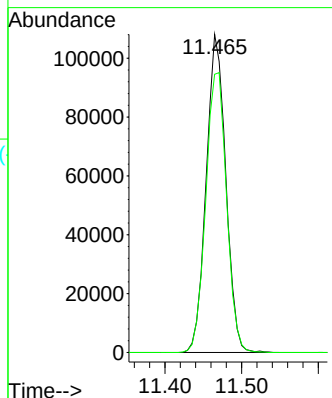
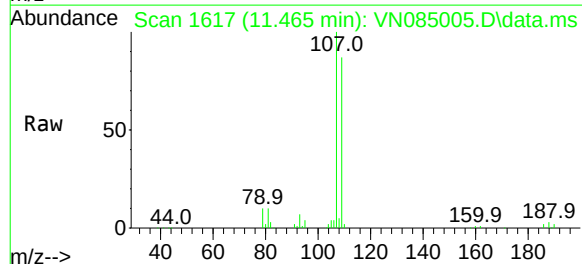
#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 191654
Ion Ratio Lower Upper
107 100
109 93.6 76.1 114.1

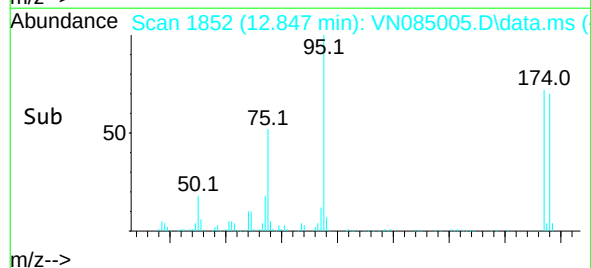
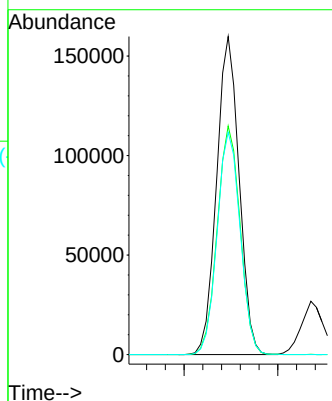
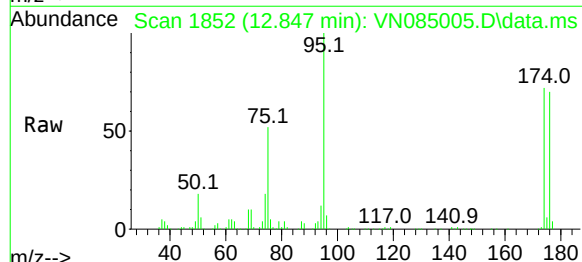
Manual Integrations
APPROVED

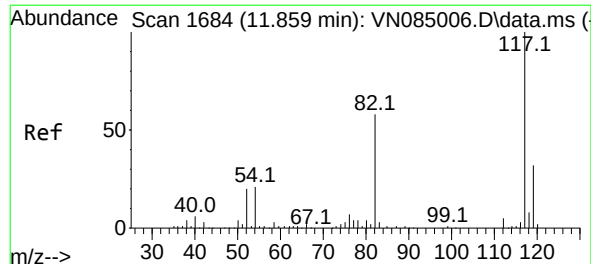
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822
Ion Ratio Lower Upper
95 100
174 72.9 0.0 146.6
176 71.2 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 240979

Ion Ratio Lower Upper

117 100

82 57.3 46.0 69.0

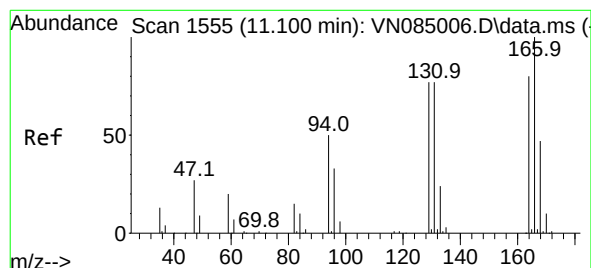
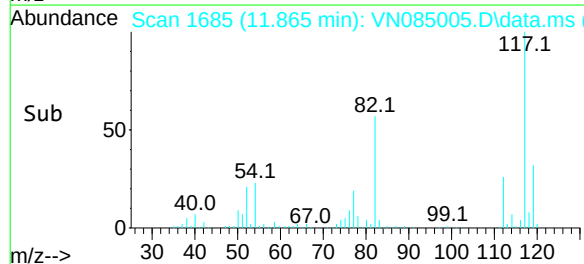
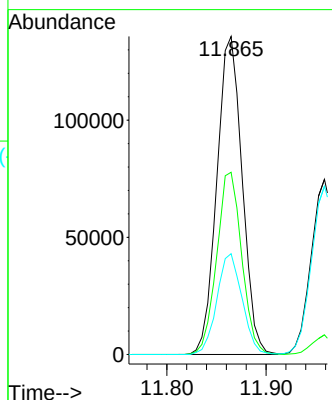
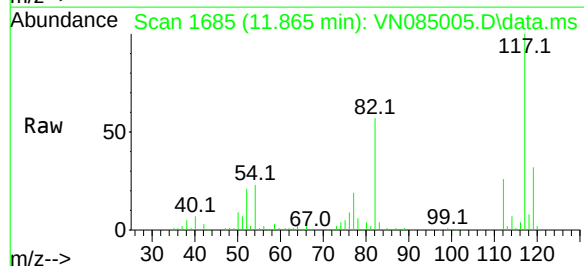
119 31.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 104.032 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926

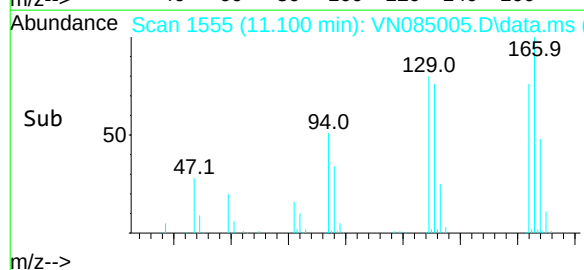
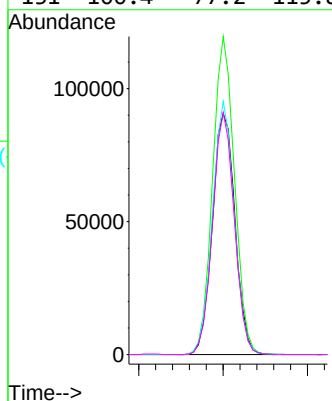
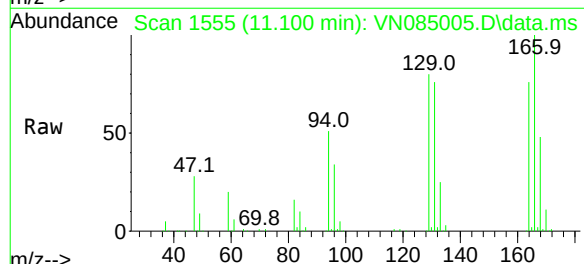
Ion Ratio Lower Upper

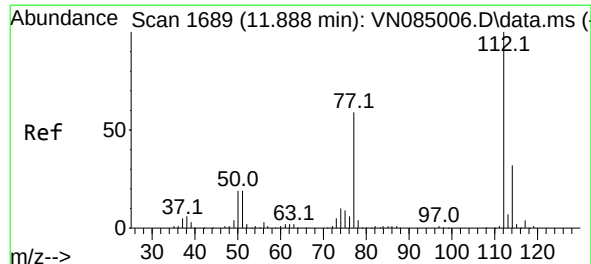
164 100

166 131.9 100.6 151.0

129 105.1 77.7 116.5

131 100.4 77.2 115.8





#65

Chlorobenzene

Concen: 99.452 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 543518

Ion Ratio Lower Upper

112 100

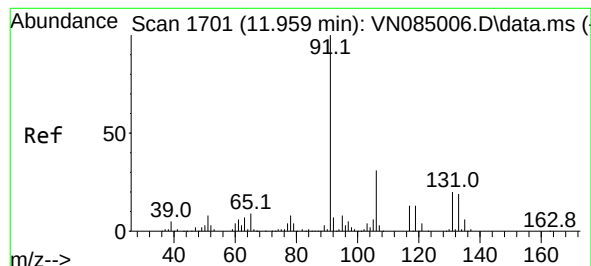
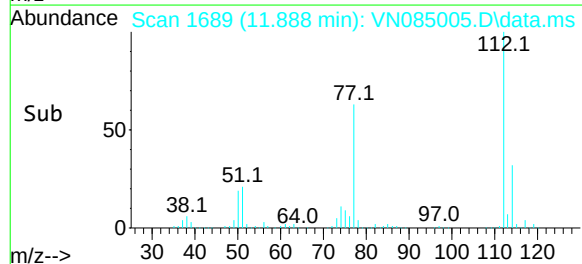
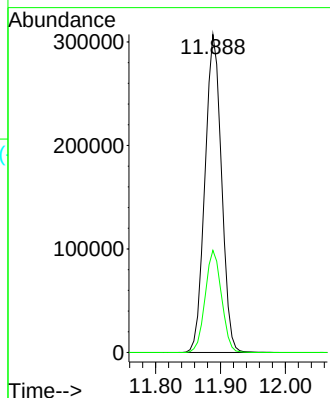
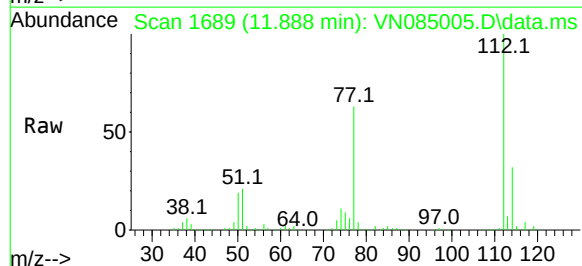
114 32.1 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 104.459 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

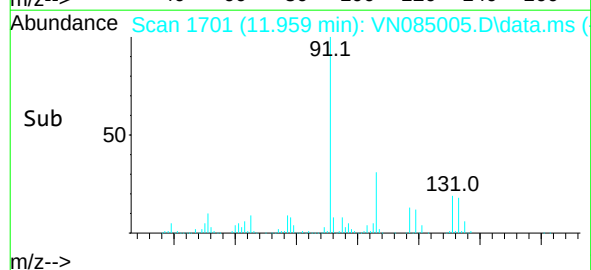
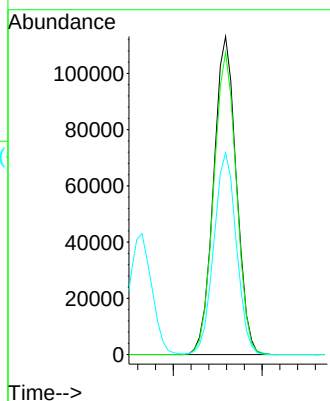
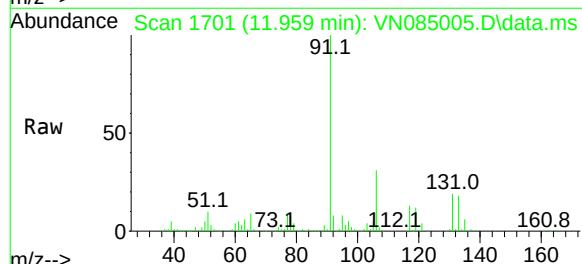
Tgt Ion:131 Resp: 201000

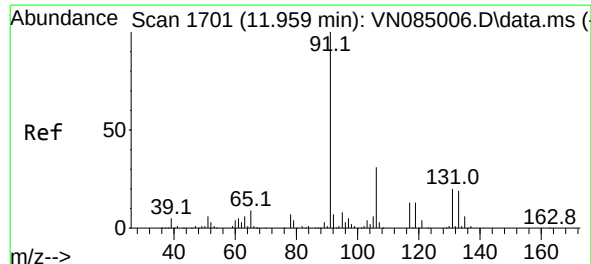
Ion Ratio Lower Upper

131 100

133 95.1 47.8 143.4

119 63.0 32.1 96.3





#67

Ethyl Benzene

Concen: 112.113 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 994049

Ion Ratio Lower Upper

91 100

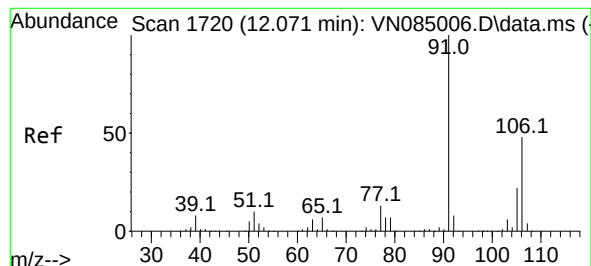
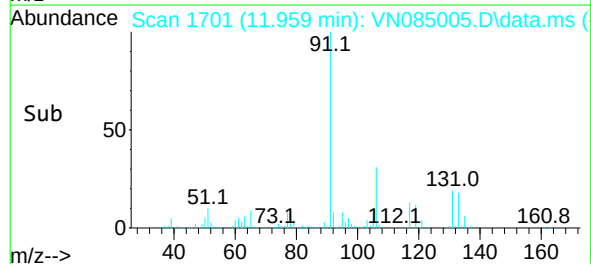
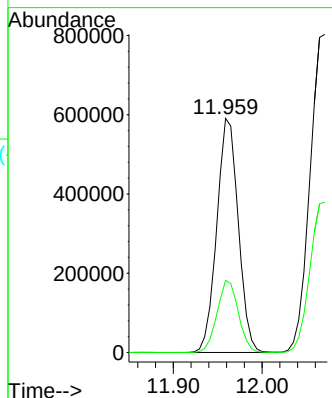
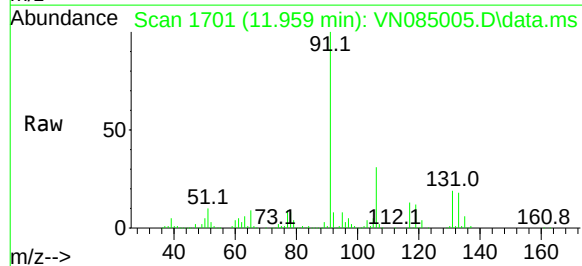
106 30.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 222.116 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085005.D

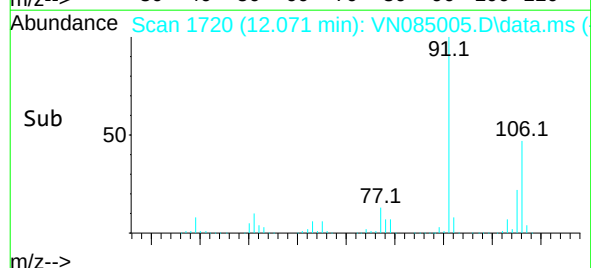
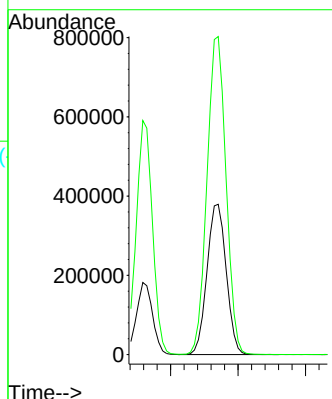
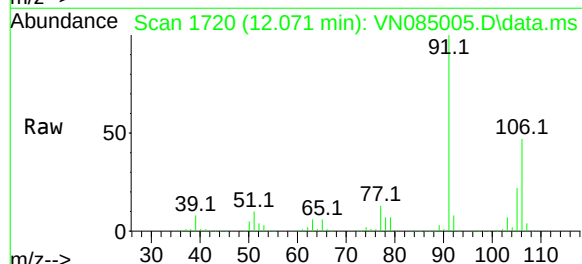
Acq: 22 Nov 2024 11:22

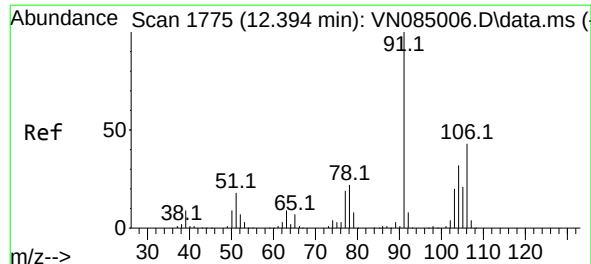
Tgt Ion:106 Resp: 749782

Ion Ratio Lower Upper

106 100

91 209.5 168.0 252.0





#69

o-Xylene

Concen: 110.070 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 353441

Ion Ratio Lower Upper

106 100

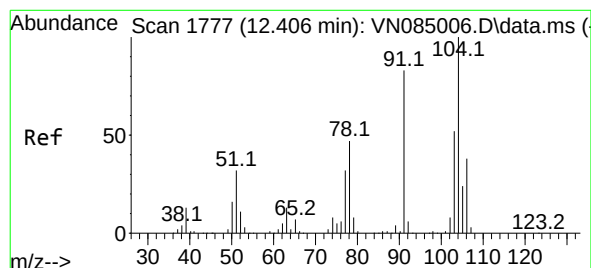
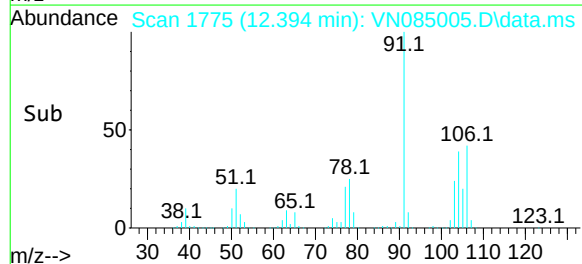
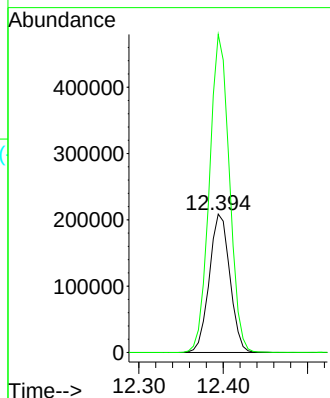
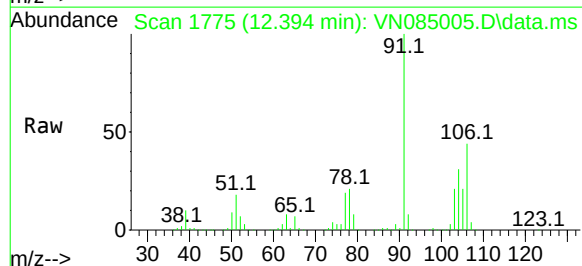
91 223.7 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 112.600 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

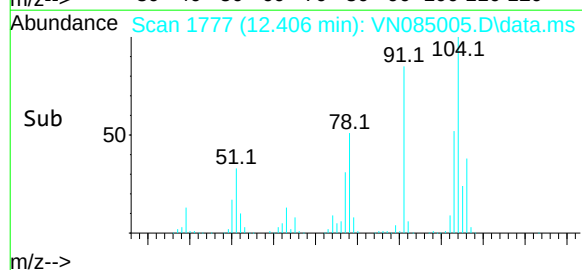
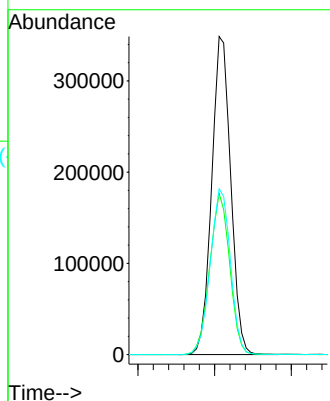
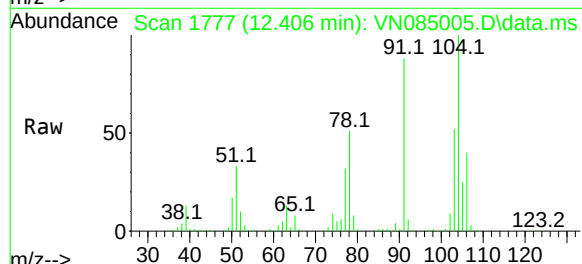
Tgt Ion:104 Resp: 601271

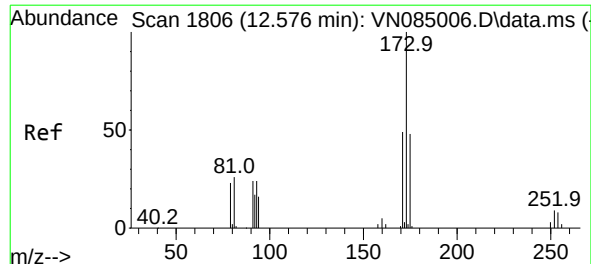
Ion Ratio Lower Upper

104 100

78 53.0 42.3 63.5

103 55.2 44.2 66.2





#71

Bromoform

Concen: 104.234 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

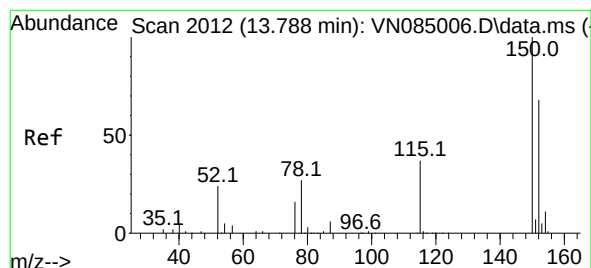
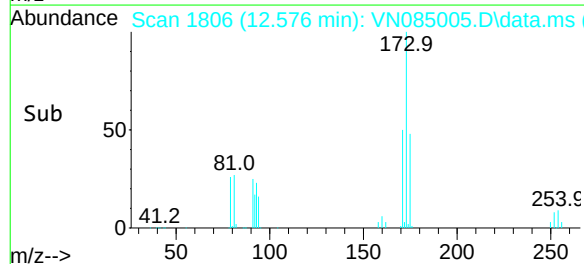
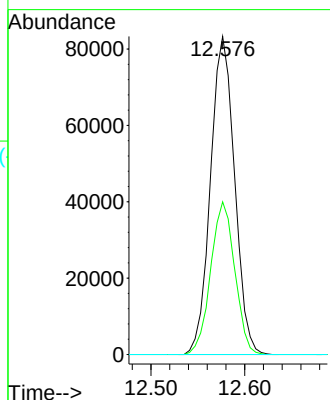
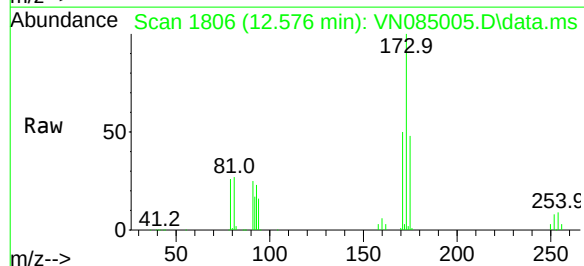
ClientSampleId :

VSTDICC100

Tgt Ion:	173	Resp:	148879
Ion Ratio	Lower	Upper	
173	100		
175	47.9	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

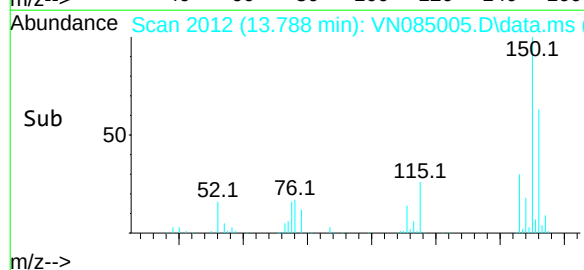
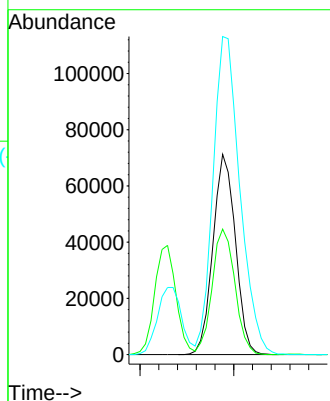
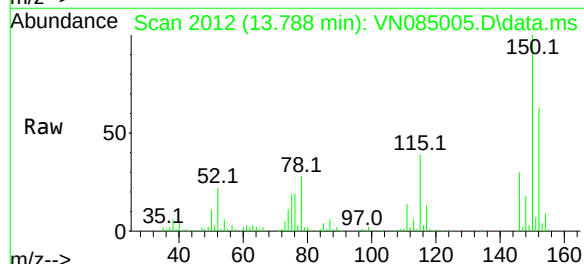
RT: 13.788 min Scan# 2012

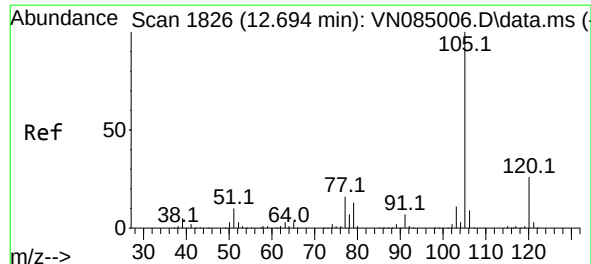
Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion:	152	Resp:	118591
Ion Ratio	Lower	Upper	
152	100		
115	63.4	31.7	95.1
150	189.7	0.0	351.4





#73

Isopropylbenzene

Concen: 110.216 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 922085

Ion Ratio Lower Upper

105 100

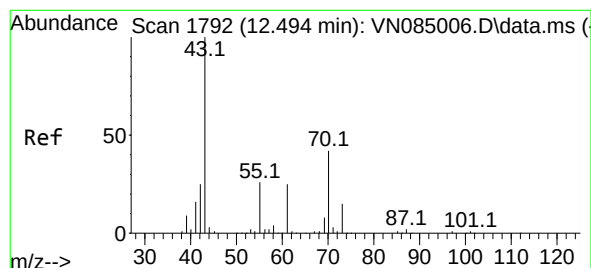
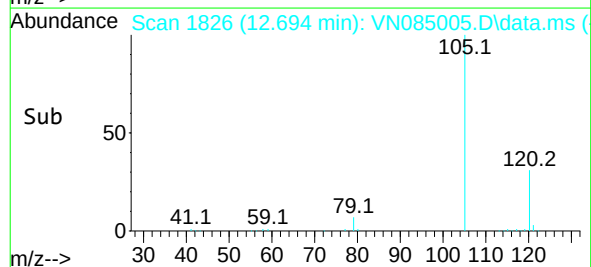
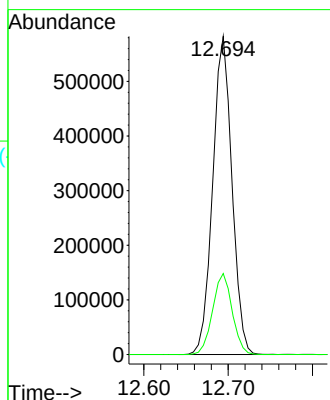
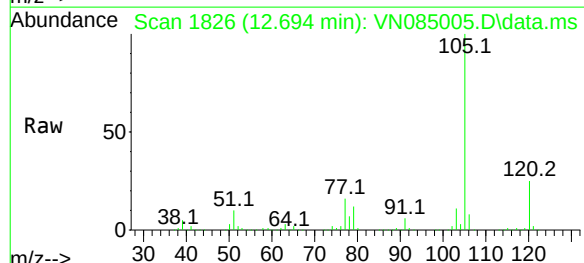
120 25.8 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 106.820 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

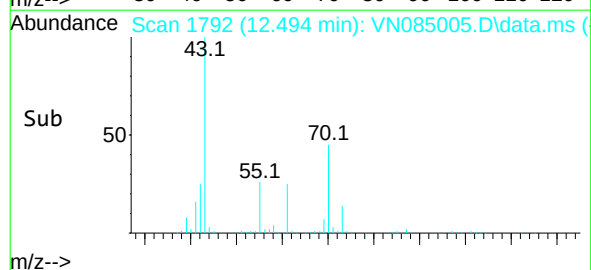
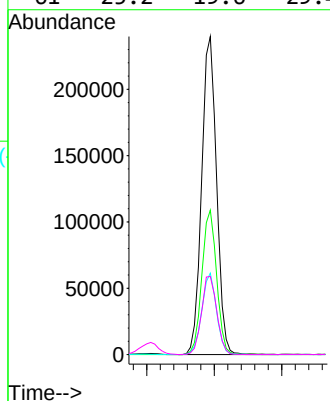
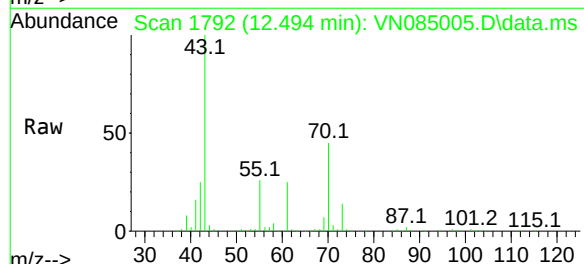
Ion Ratio Lower Upper

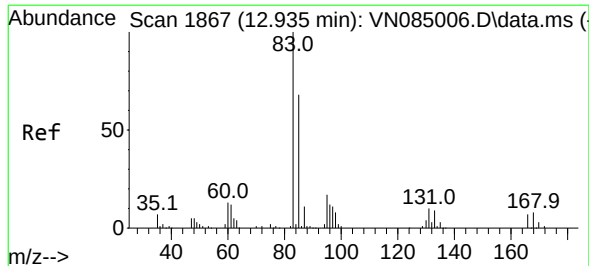
43 100

70 44.7 34.6 51.8

55 25.2 20.5 30.7

61 25.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 89.359 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

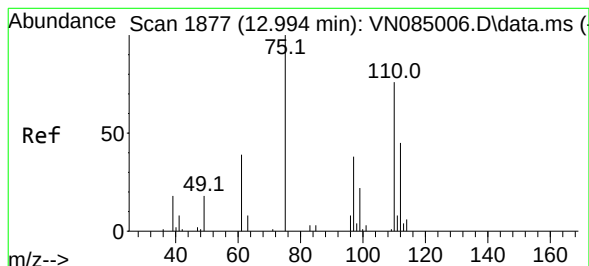
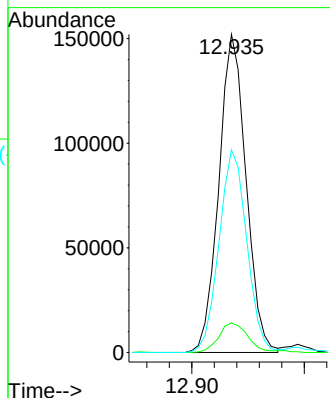
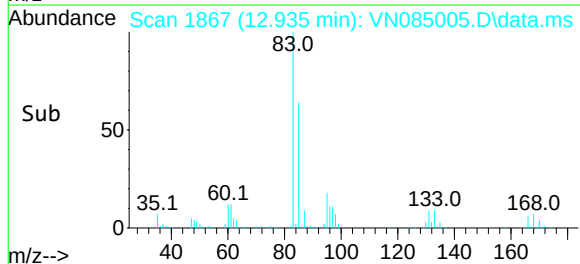
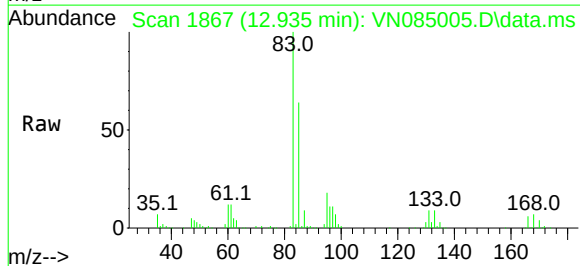
Tgt Ion:	83	Resp:	255286
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 107.901 ug/l m

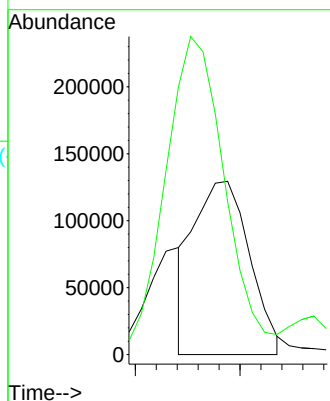
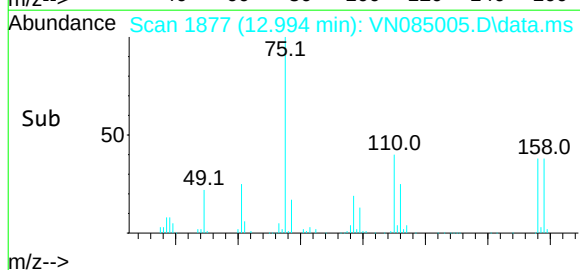
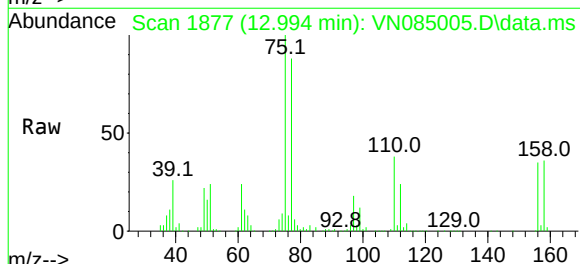
RT: 12.994 min Scan# 1877

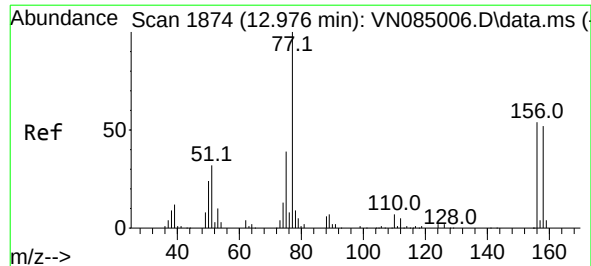
Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion:	75	Resp:	239373
Ion	Ratio	Lower	Upper
75	100		
77	197.4	109.1	327.4





#77

Bromobenzene

Concen: 95.881 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 215866

Ion Ratio Lower Upper

156 100

77 218.8 107.2 321.6

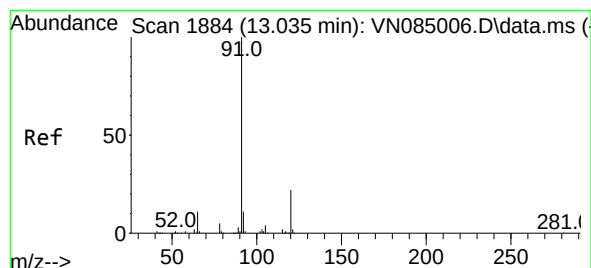
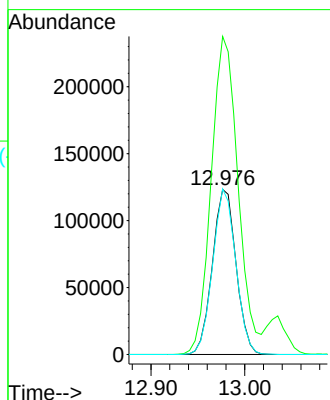
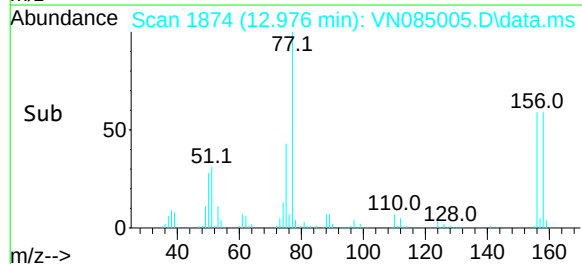
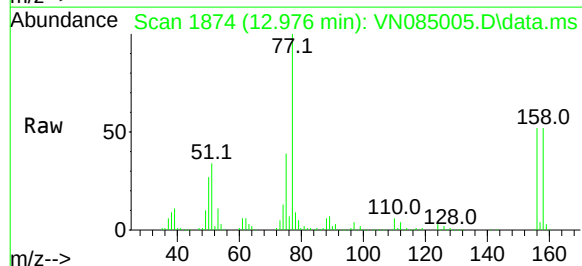
158 98.1 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 111.753 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085005.D

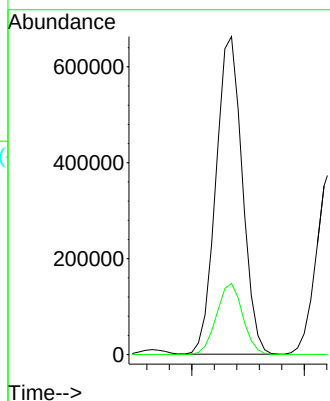
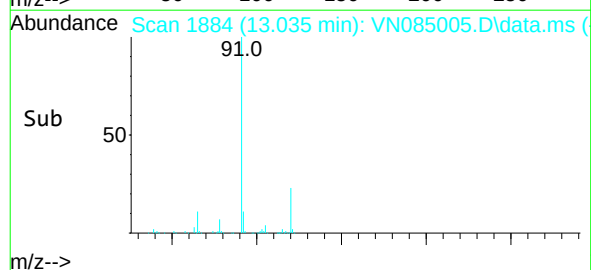
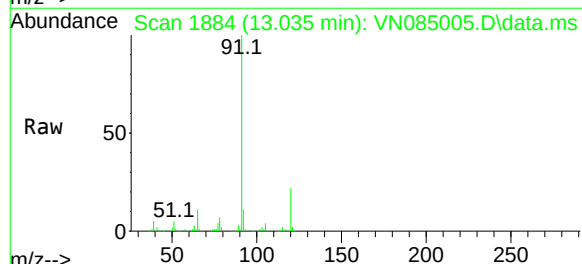
Acq: 22 Nov 2024 11:22

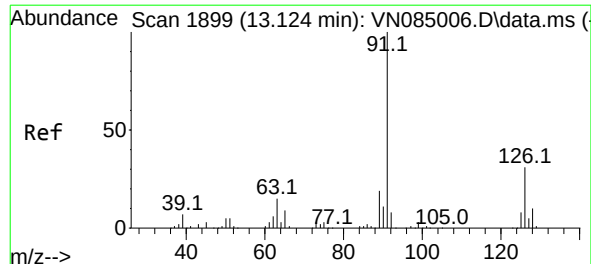
Tgt Ion: 91 Resp: 1078373

Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9





#79

2-Chlorotoluene

Concen: 102.230 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 658525

Ion Ratio Lower Upper

91 100

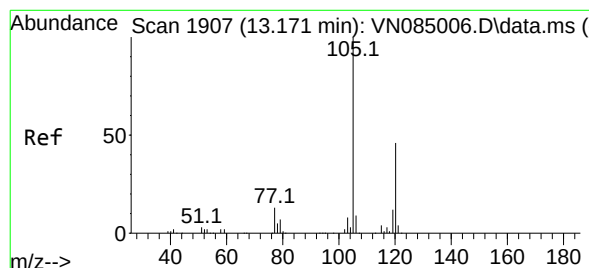
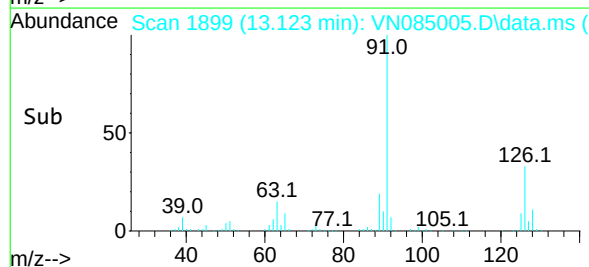
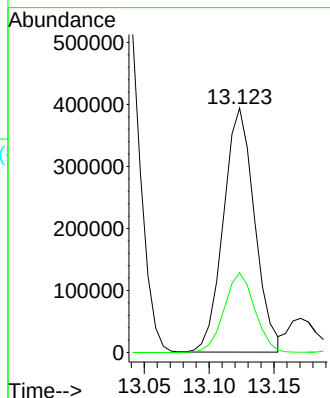
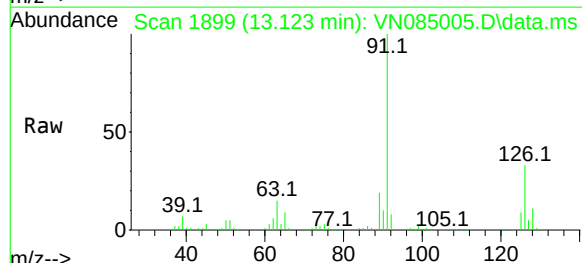
126 32.1 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 110.573 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085005.D

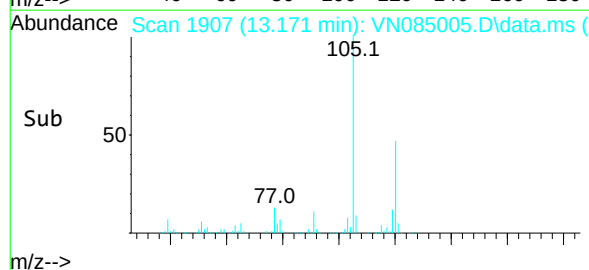
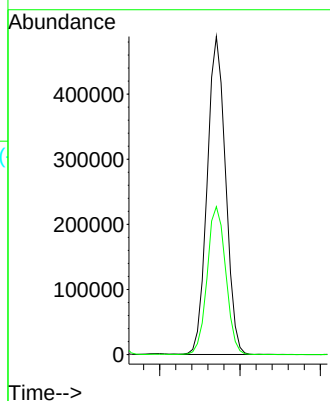
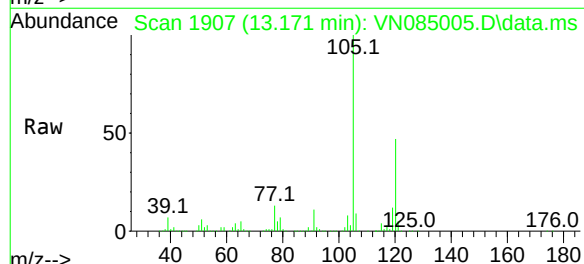
Acq: 22 Nov 2024 11:22

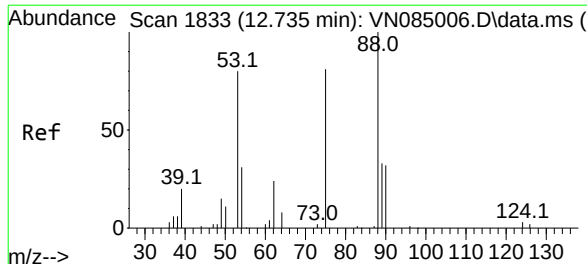
Tgt Ion:105 Resp: 776252

Ion Ratio Lower Upper

105 100

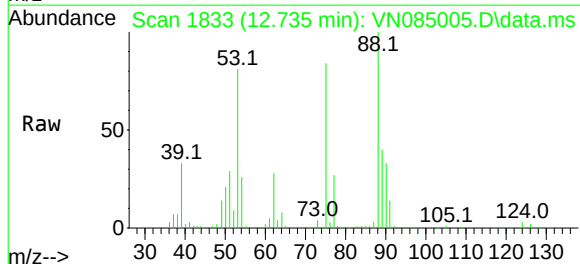
120 47.0 23.6 71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

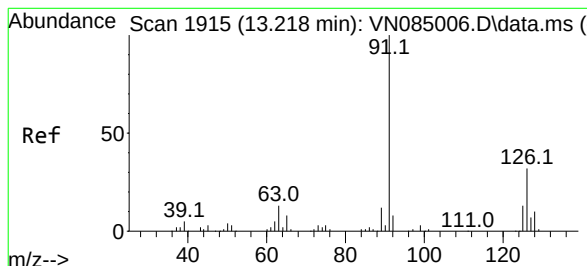
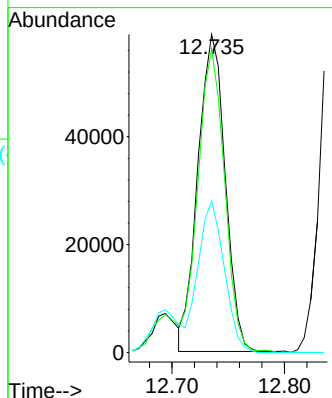
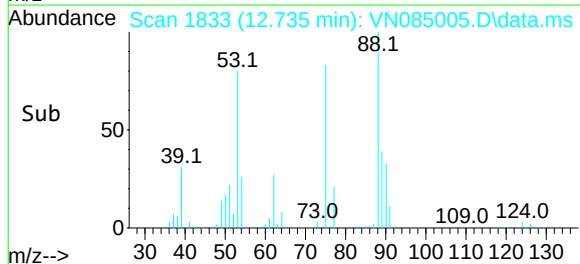
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 99218
Ion Ratio Lower Upper
75 100
53 93.8 78.2 117.4
89 45.5 37.9 56.9

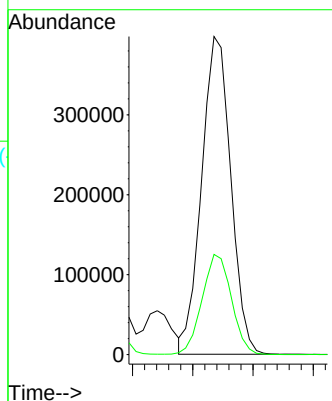
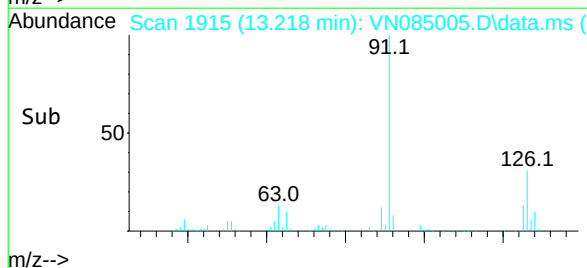
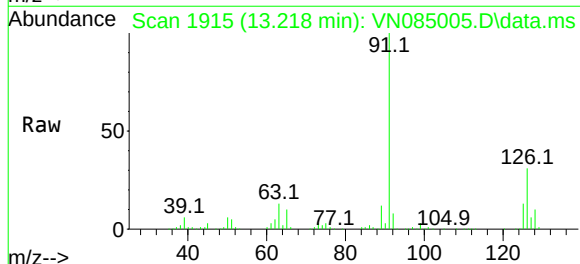
Manual Integrations
APPROVED

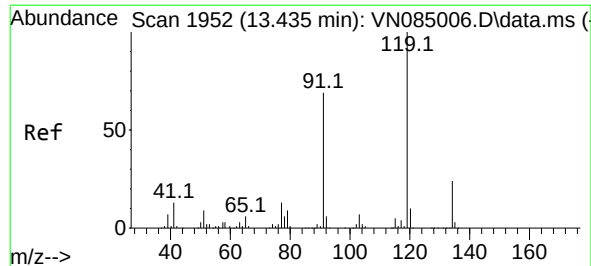
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311
Ion Ratio Lower Upper
91 100
126 31.8 16.1 48.3





#83

tert-Butylbenzene

Concen: 107.009 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 646369

Ion Ratio Lower Upper

119 100

91 70.8 35.1 105.5

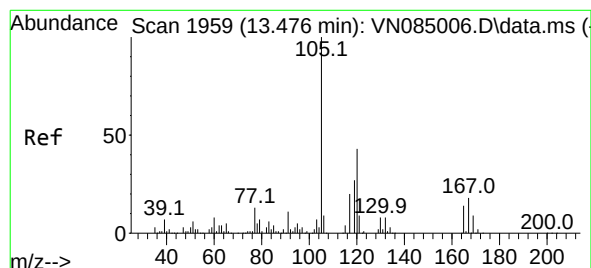
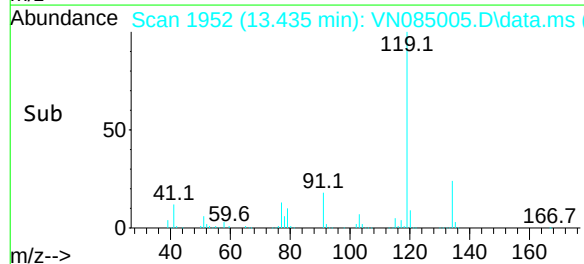
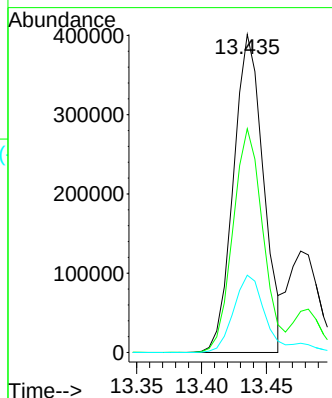
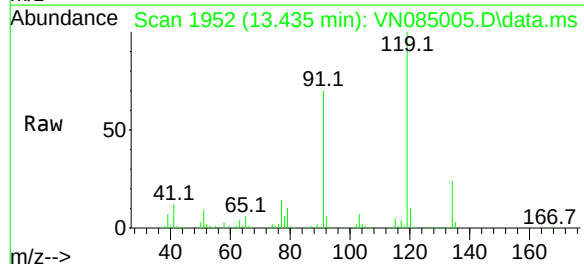
134 27.1 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 109.040 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085005.D

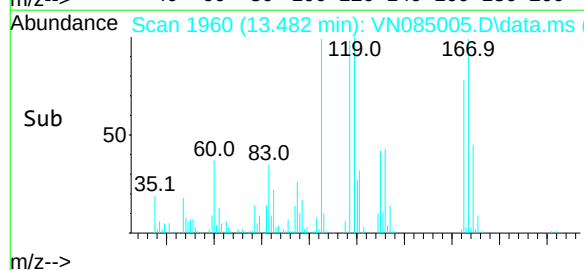
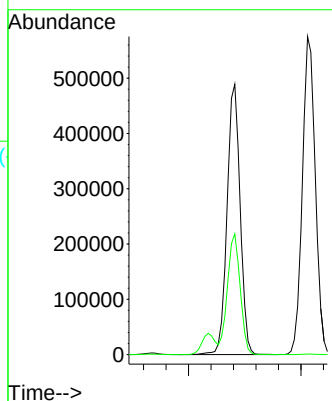
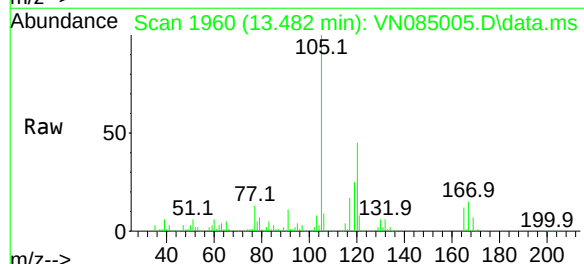
Acq: 22 Nov 2024 11:22

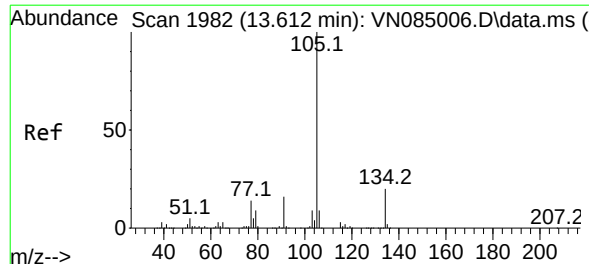
Tgt Ion:105 Resp: 787962

Ion Ratio Lower Upper

105 100

120 43.7 21.8 65.4





#85

sec-Butylbenzene

Concen: 112.777 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 920223

Ion Ratio Lower Upper

105 100

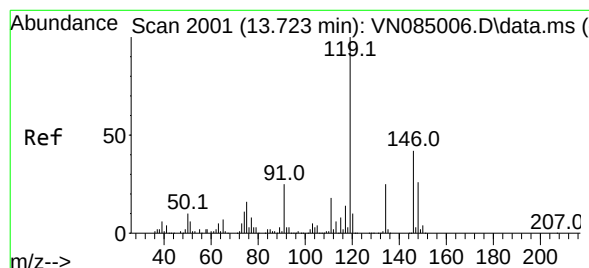
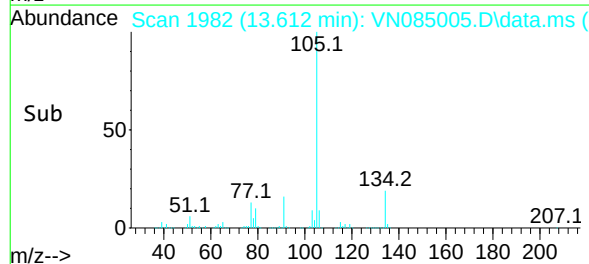
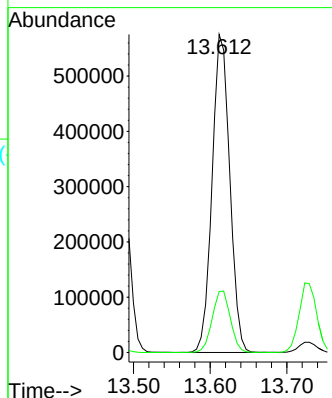
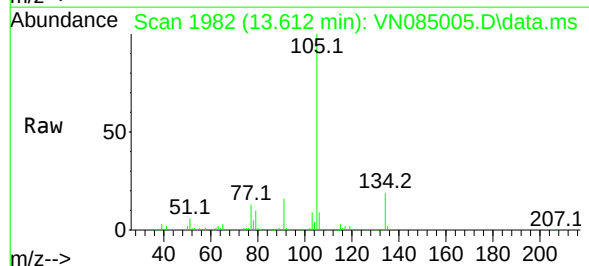
134 19.9 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 115.104 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

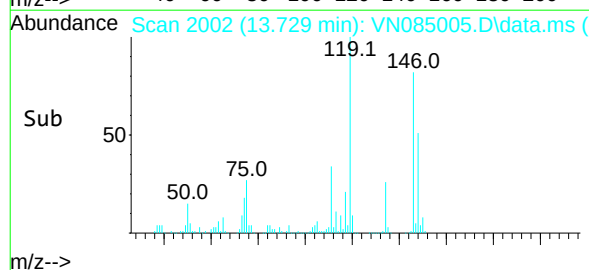
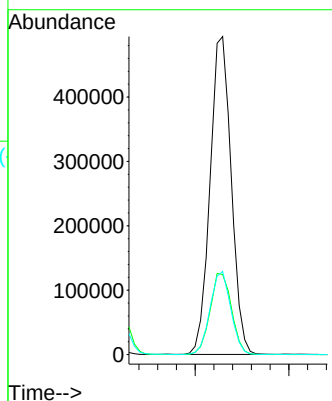
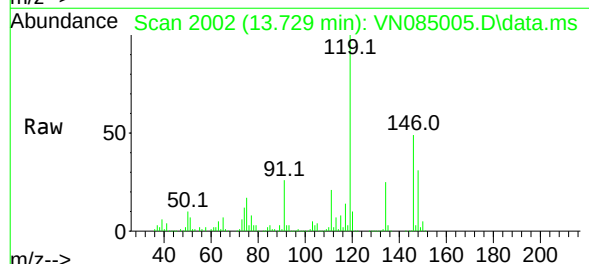
Tgt Ion:119 Resp: 775322

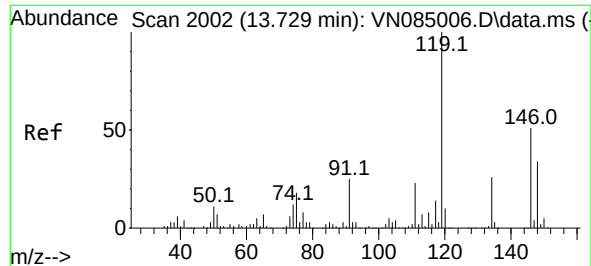
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 91.842 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 407844

Ion Ratio Lower Upper

146 100

111 42.7 21.6 65.0

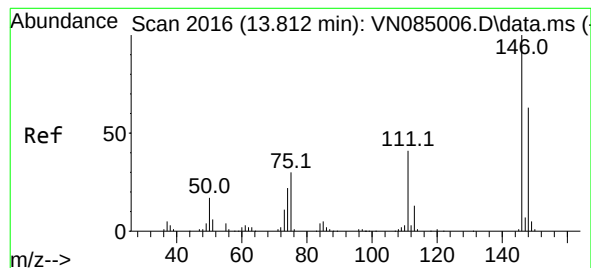
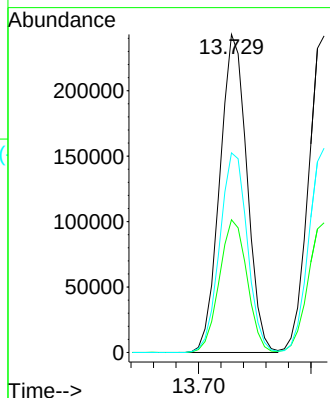
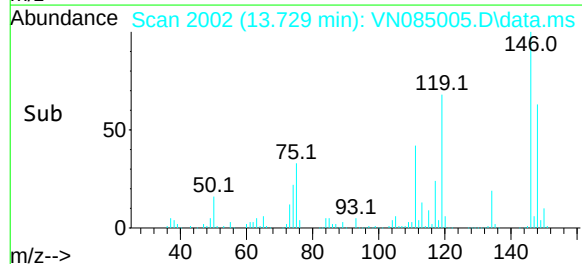
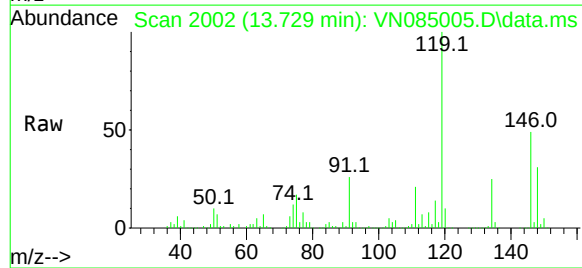
148 63.7 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 90.361 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

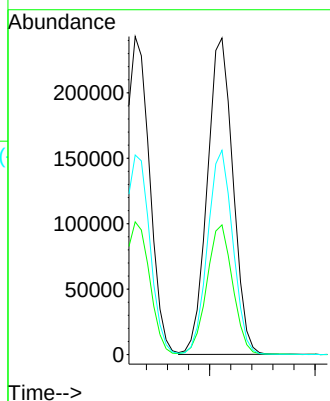
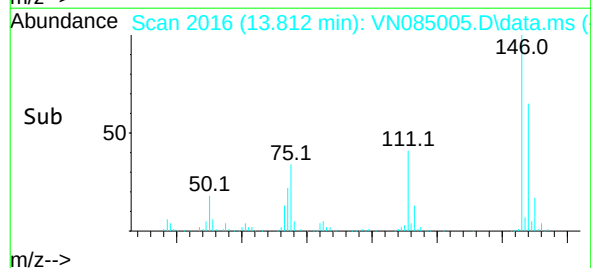
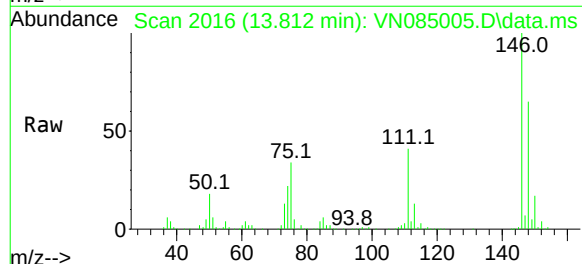
Tgt Ion:146 Resp: 409489

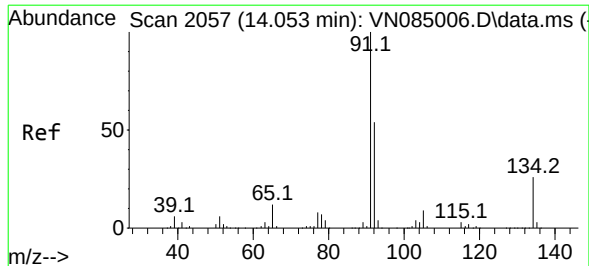
Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.8

148 63.6 31.3 93.9





#89

n-Butylbenzene

Concen: 109.120 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

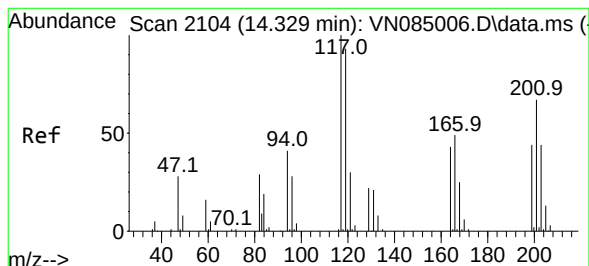
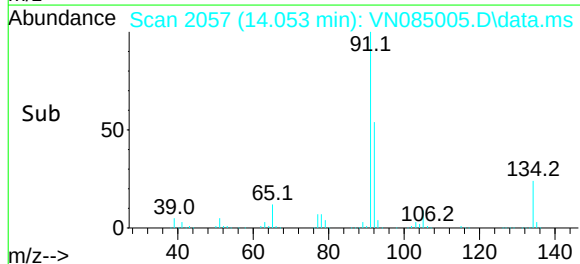
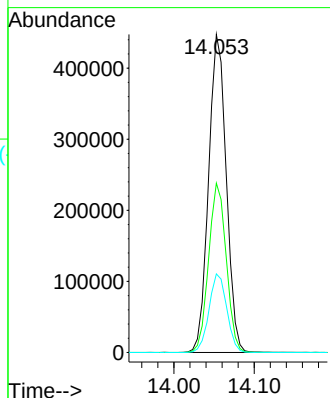
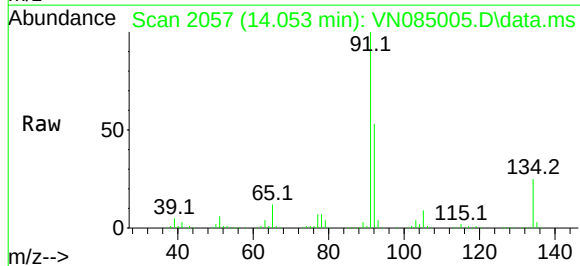
VSTDICC100

Tgt Ion:	91	Resp:	683538
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 100.783 ug/l

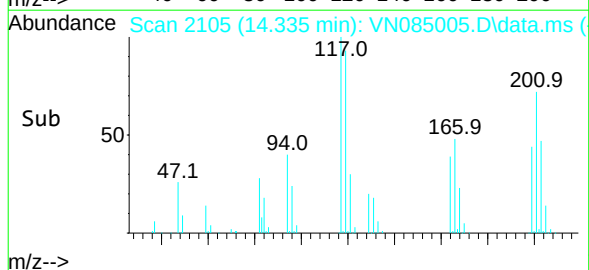
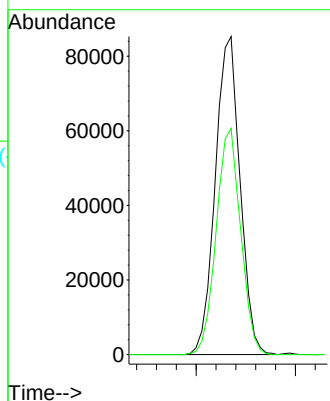
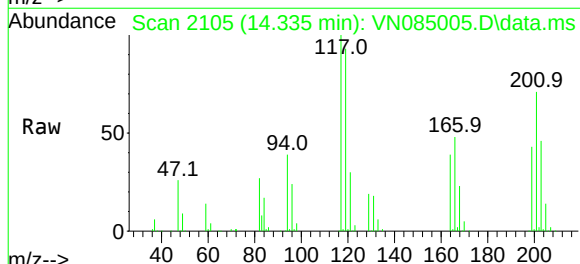
RT: 14.335 min Scan# 2105

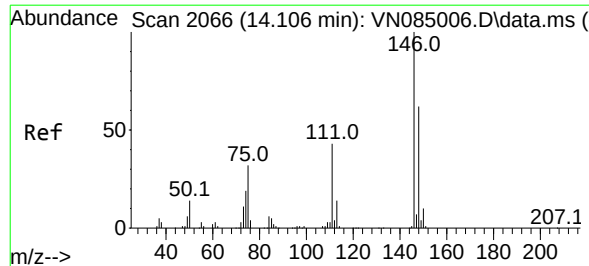
Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion:	117	Resp:	147973
Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 92.796 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 394872

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

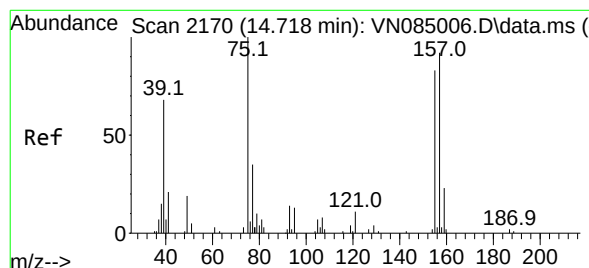
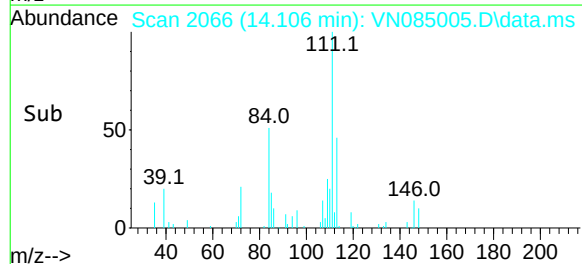
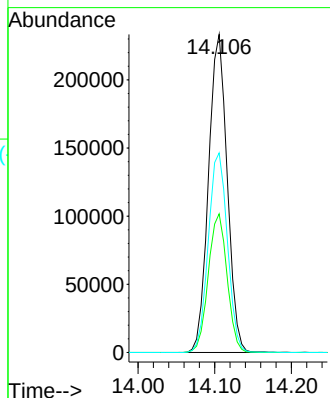
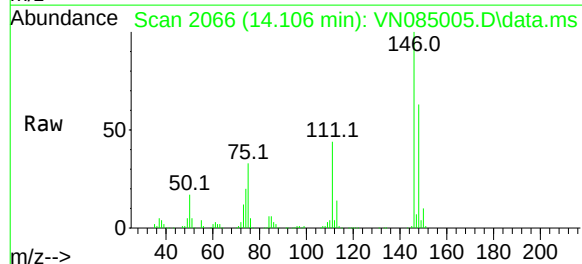
148 64.3 31.1 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 92.071 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

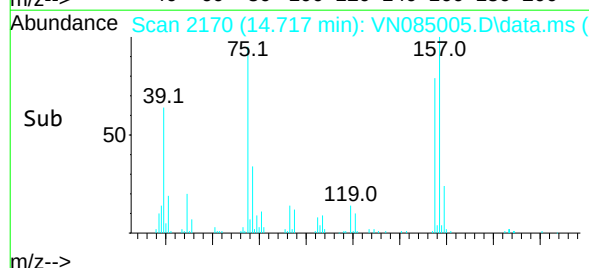
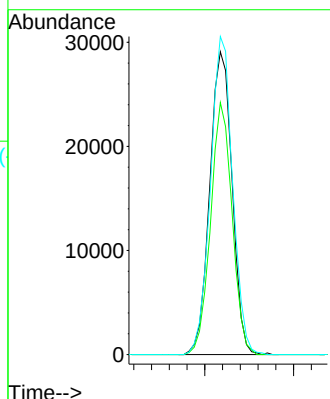
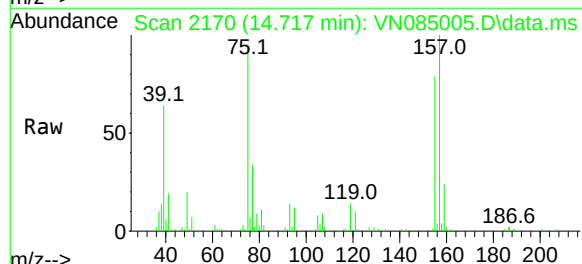
Tgt Ion: 75 Resp: 50863

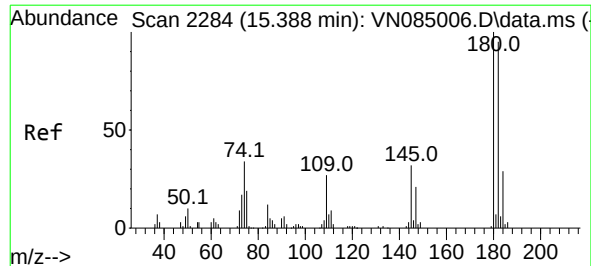
Ion Ratio Lower Upper

75 100

155 79.9 38.9 116.7

157 104.3 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 95.107 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 219866

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.8

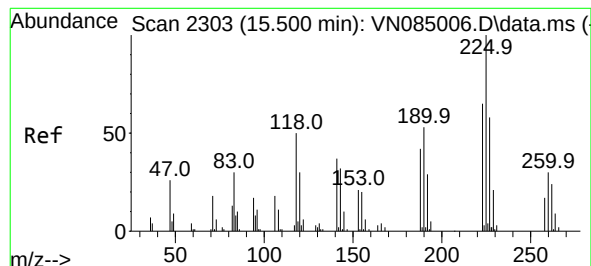
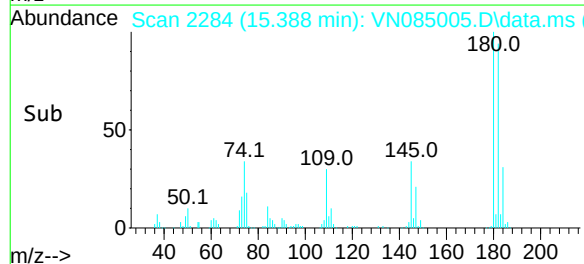
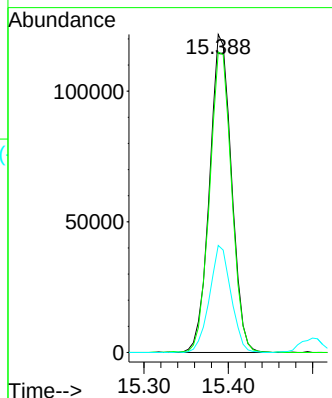
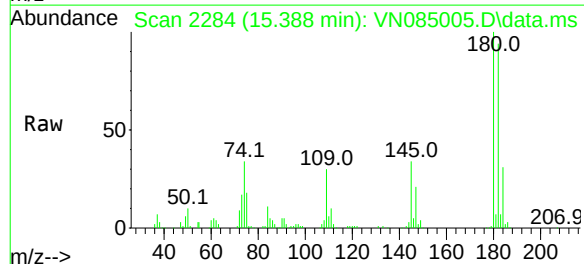
145 33.0 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 92.405 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

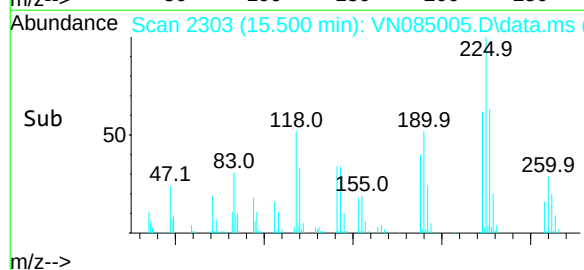
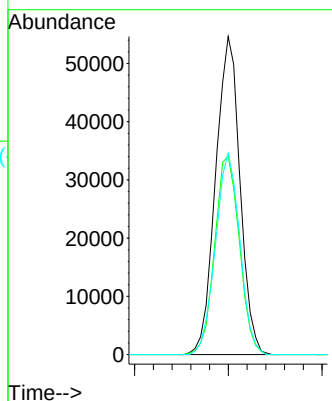
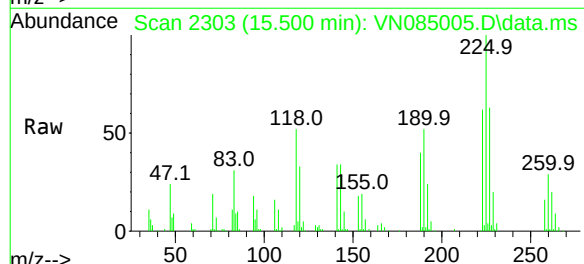
Tgt Ion:225 Resp: 98588

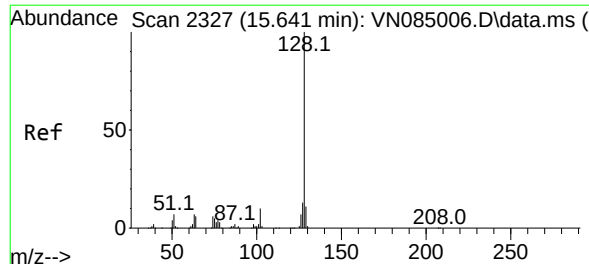
Ion Ratio Lower Upper

225 100

223 63.1 30.9 92.8

227 63.2 31.5 94.5





#95

Naphthalene

Concen: 104.183 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:128 Resp: 685964

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

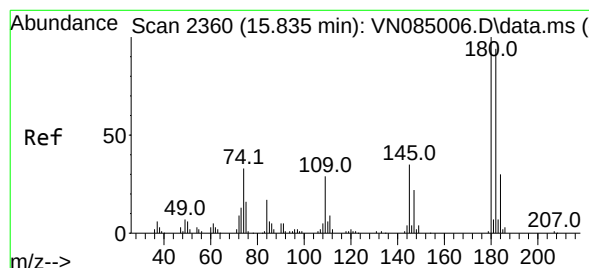
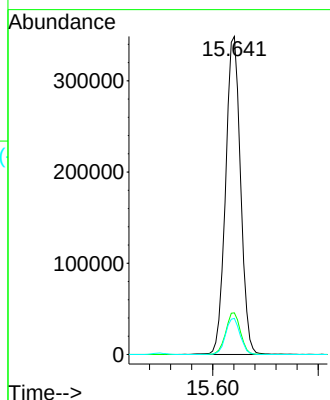
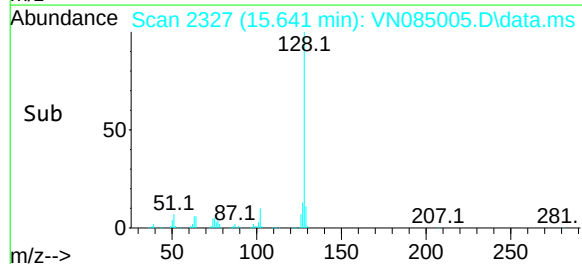
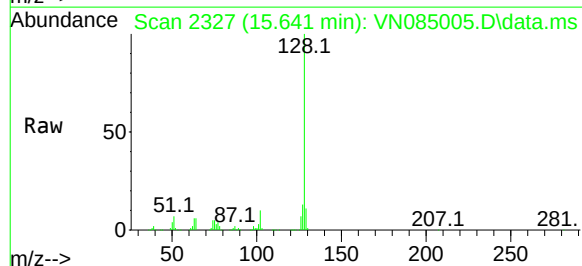
129 11.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 99.092 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

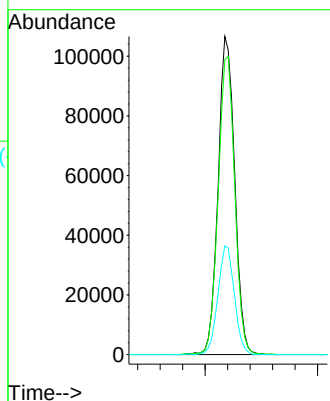
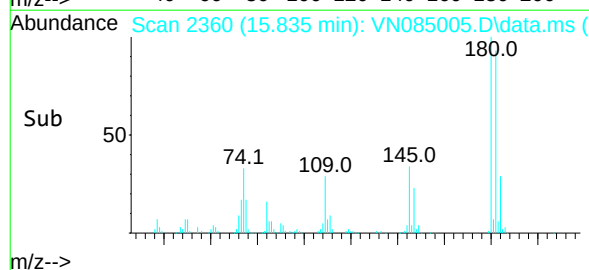
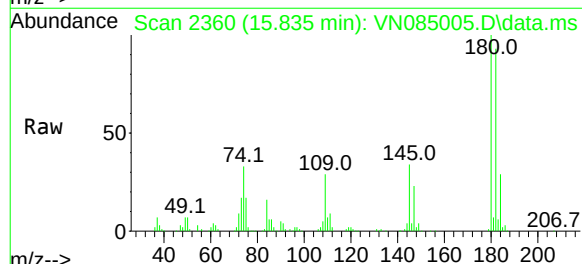
Tgt Ion:180 Resp: 218578

Ion Ratio Lower Upper

180 100

182 93.8 46.4 139.2

145 33.9 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l	100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l	100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l	100
44) Trichloroethene	9.347	130	88746	48.692	ug/l	100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l	100
46) Dibromomethane	9.706	93	66370	49.447	ug/l	100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l	100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l	100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l	100
52) Toluene	10.624	92	240730	51.850	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l	100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l	100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l	100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l	100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l	100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l	100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l	100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l	100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l	100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l	100
69) o-Xylene	12.394	106	164137	53.059	ug/l	100
70) Styrene	12.406	104	277349	53.912	ug/l	100
71) Bromoform	12.576	173	71858	52.221	ug/l #	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l	100
74) N-ethyl acetate	12.494	43	177685	53.396	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l	
77) Bromobenzene	12.976	156	105184	48.402	ug/l	100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l	100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l	100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l	100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l	100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l	100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l	100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l	100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l	100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l	100
95) Naphthalene	15.641	128	324523	51.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

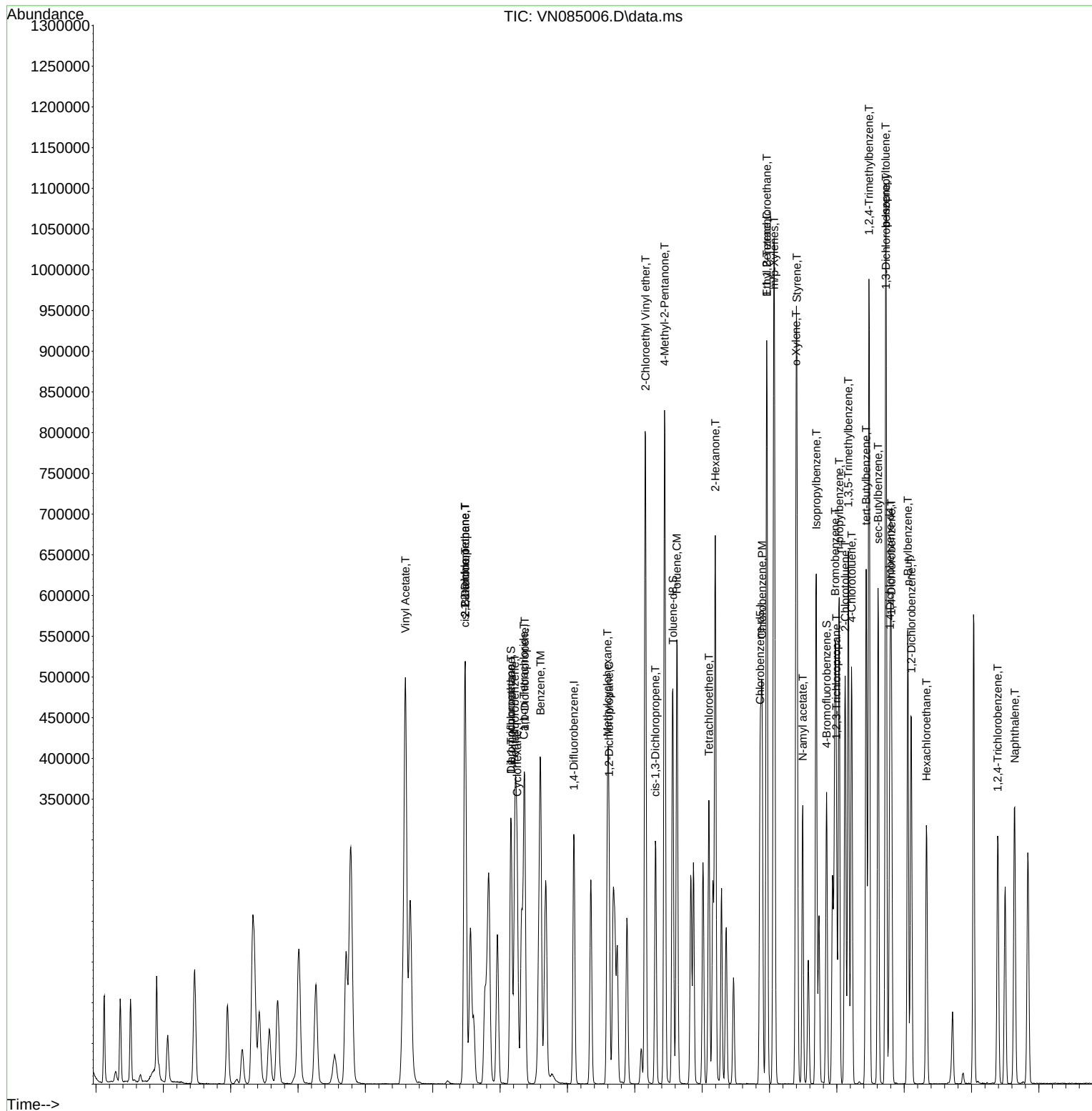
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

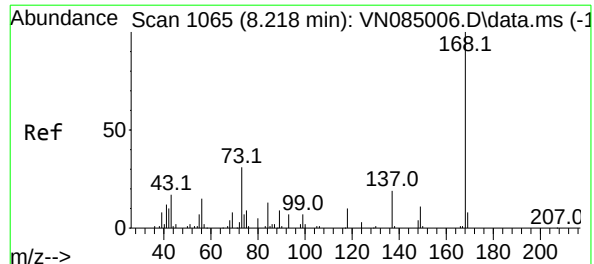
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





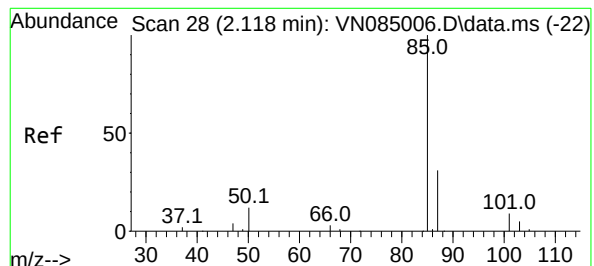
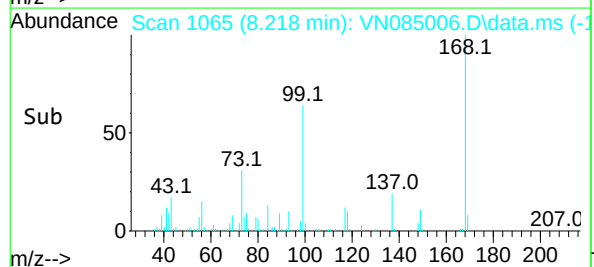
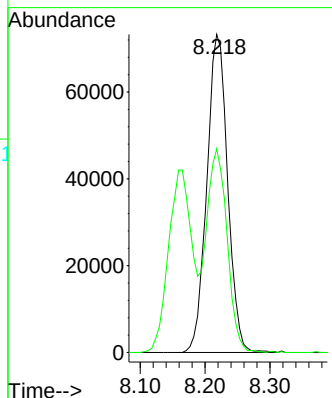
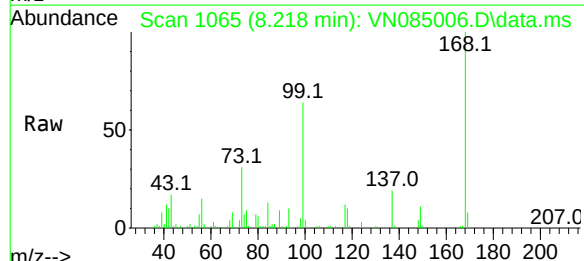
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 163353
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8

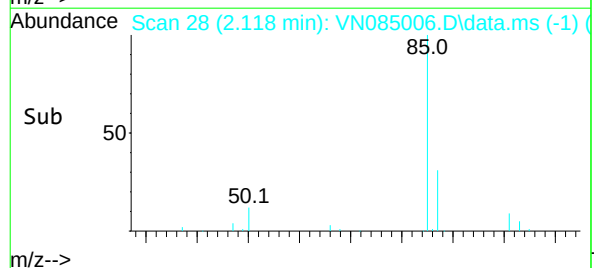
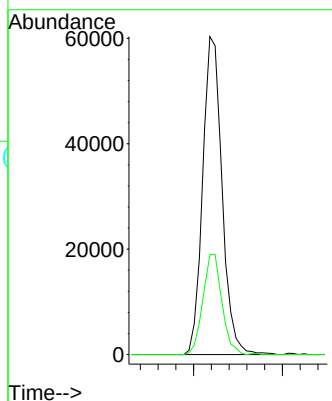
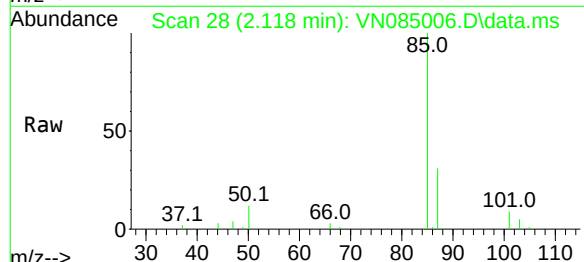
Manual Integrations
APPROVED

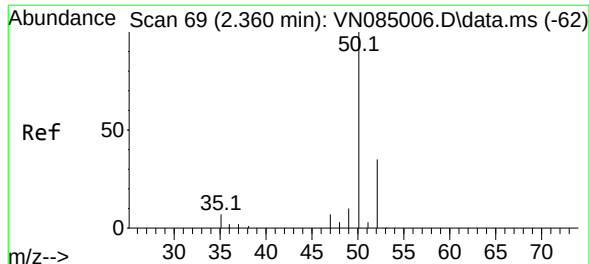
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.1





#3

Chloromethane

Concen: 45.027 ug/l

RT: 2.360 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 96463

Ion Ratio Lower Upper

50 100

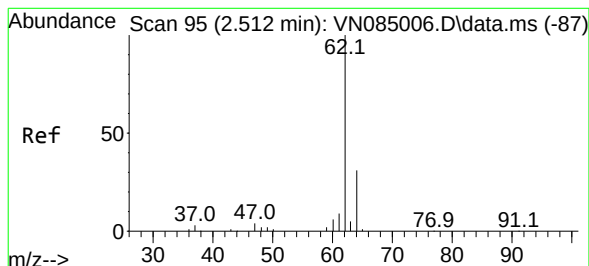
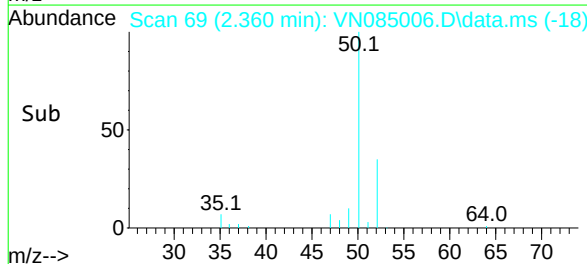
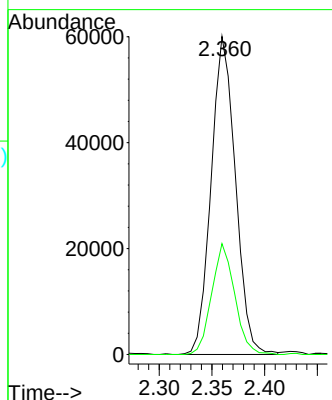
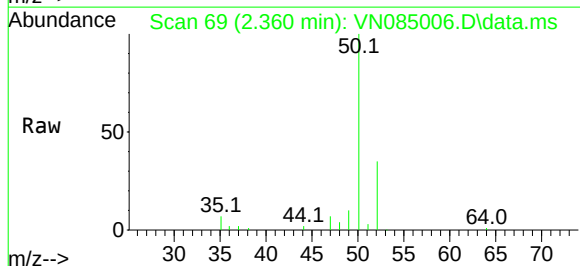
52 34.8 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 48.804 ug/l

RT: 2.512 min Scan# 95

Delta R.T. 0.000 min

Lab File: VN085006.D

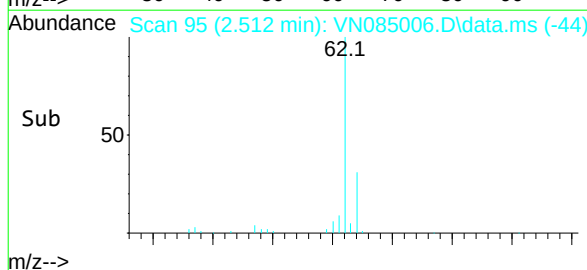
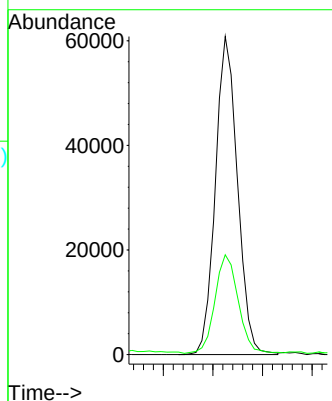
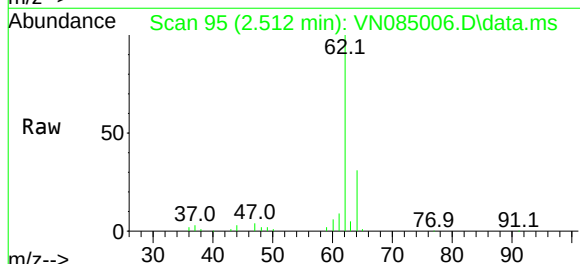
Acq: 22 Nov 2024 11:46

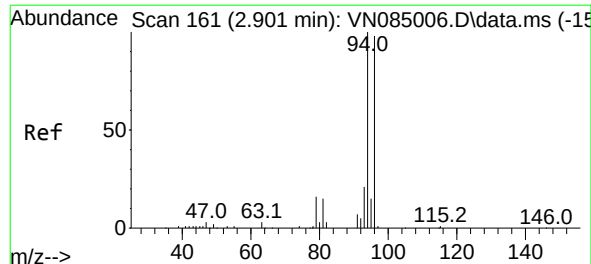
Tgt Ion: 62 Resp: 93960

Ion Ratio Lower Upper

62 100

64 30.7 24.6 36.8





#5

Bromomethane

Concen: 47.102 ug/l

RT: 2.901 min Scan# 161

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 50828

Ion Ratio Lower Upper

94 100

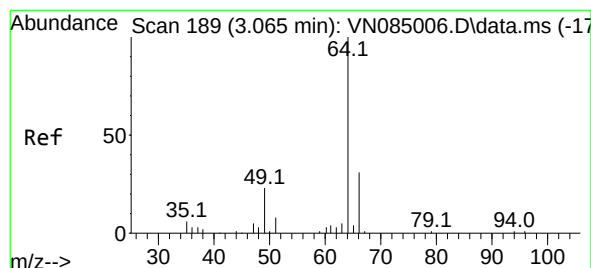
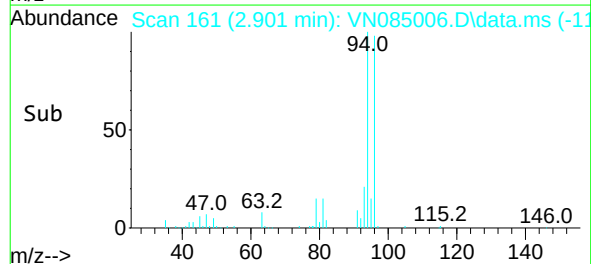
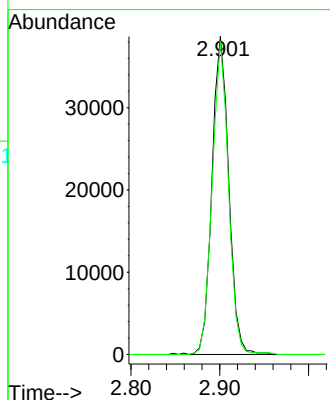
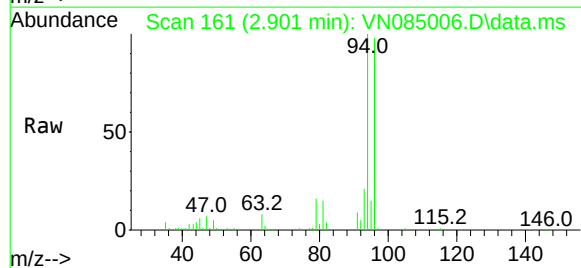
96 98.4 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 47.657 ug/l

RT: 3.065 min Scan# 189

Delta R.T. 0.000 min

Lab File: VN085006.D

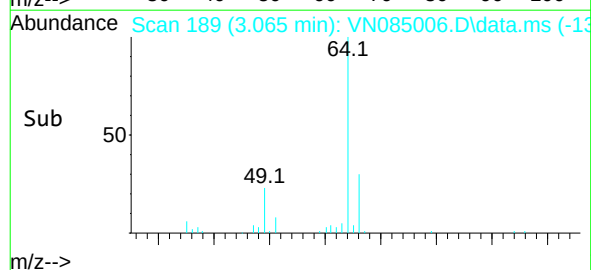
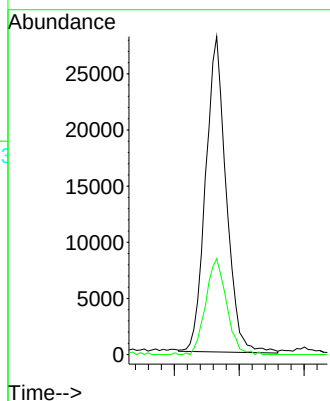
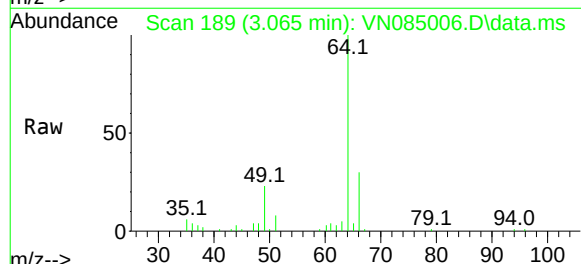
Acq: 22 Nov 2024 11:46

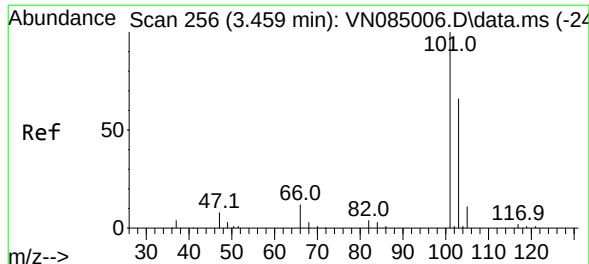
Tgt Ion: 64 Resp: 61844

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6





#7

Trichlorofluoromethane

Concen: 48.134 ug/l

RT: 3.459 min Scan# 256

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 101 Resp: 157642

Ion Ratio Lower Upper

101 100

103 65.7 52.6 78.8

Instrument :

MSVOA_N

ClientSampleId :

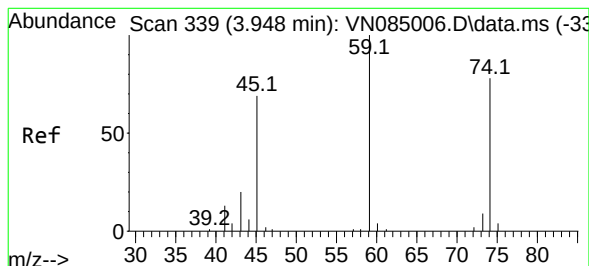
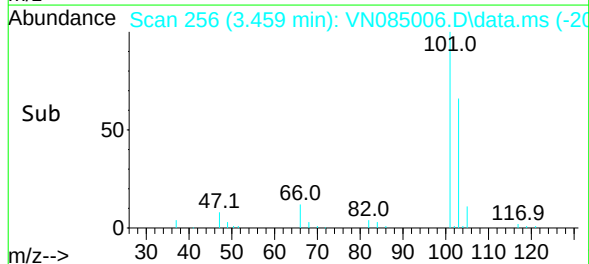
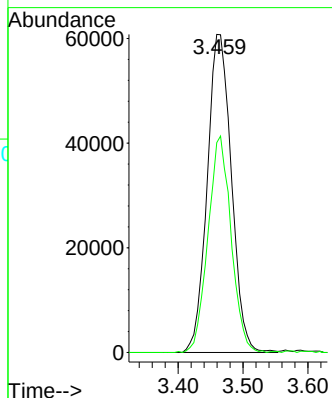
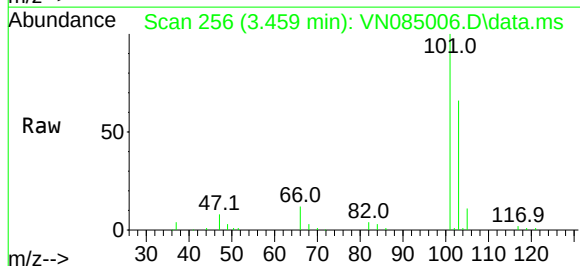
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#8

Diethyl Ether

Concen: 51.145 ug/l

RT: 3.948 min Scan# 339

Delta R.T. 0.000 min

Lab File: VN085006.D

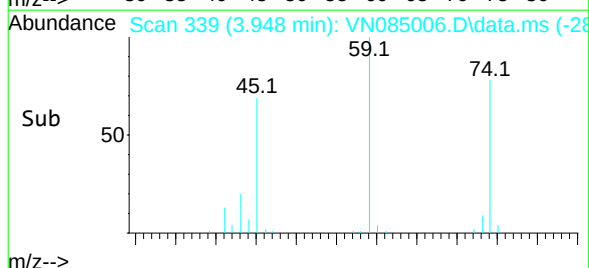
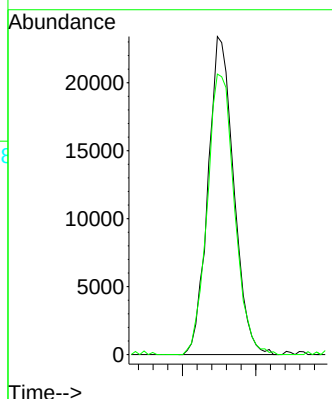
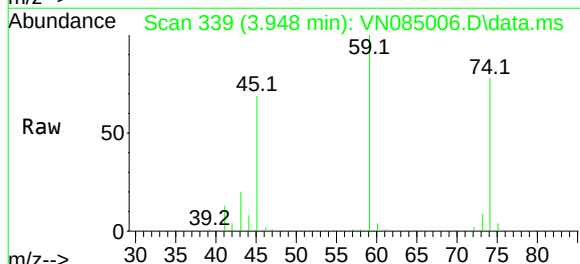
Acq: 22 Nov 2024 11:46

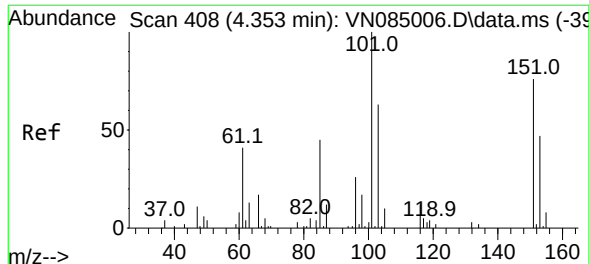
Tgt Ion: 74 Resp: 57011

Ion Ratio Lower Upper

74 100

45 93.4 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.495 ug/l

RT: 4.353 min Scan# 408

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

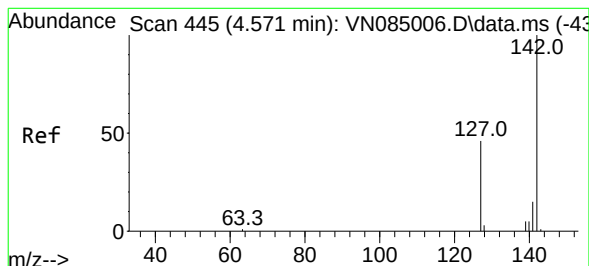
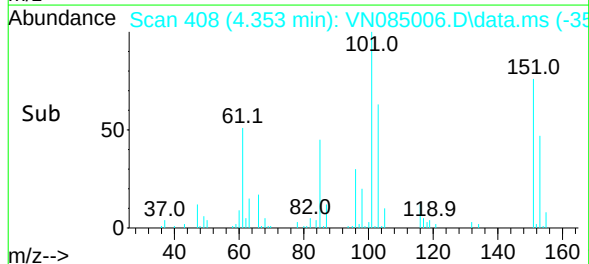
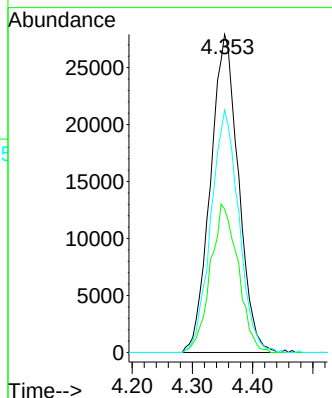
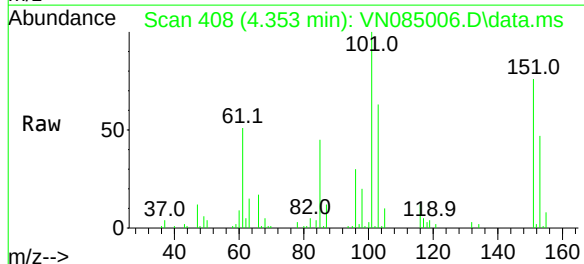
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	90080
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	76.0	60.8	91.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10

Methyl Iodide

Concen: 49.653 ug/l

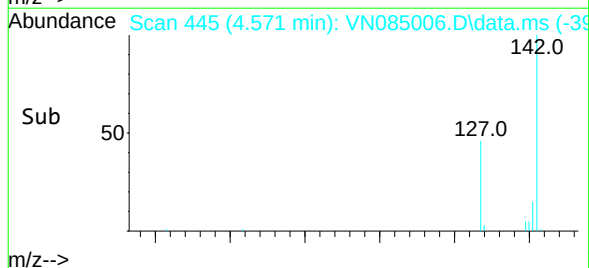
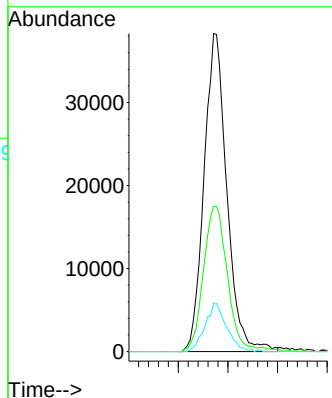
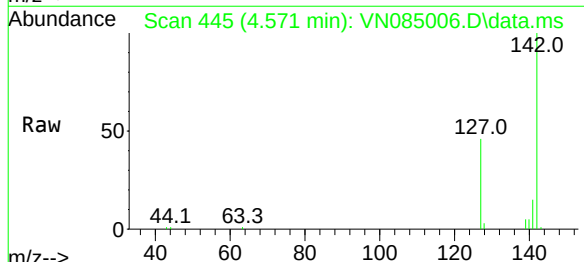
RT: 4.571 min Scan# 445

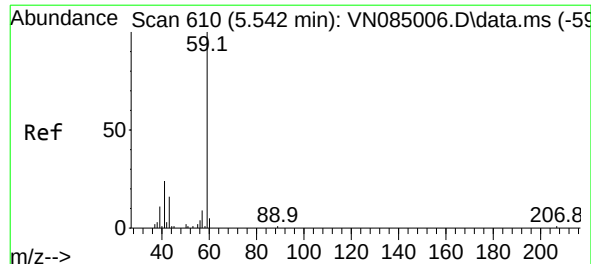
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	142	Resp:	122086
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.6	54.8
141	15.3	12.2	18.4





#11

Tert butyl alcohol

Concen: 237.049 ug/l

RT: 5.542 min Scan# 610

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 59 Resp: 73708

Ion Ratio Lower Upper

59 100

57 9.2 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

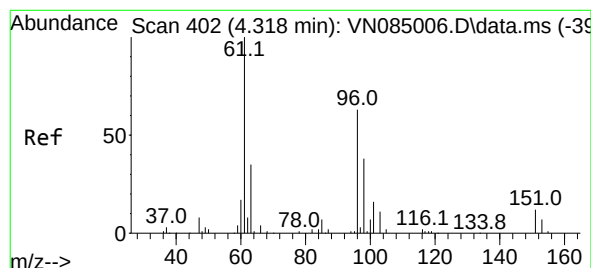
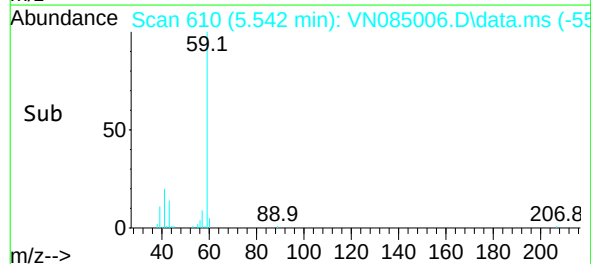
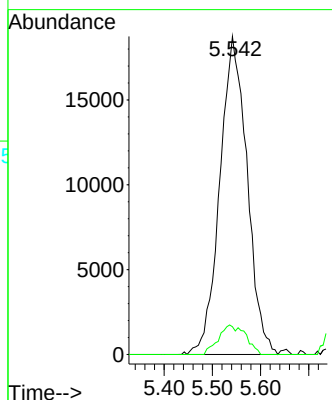
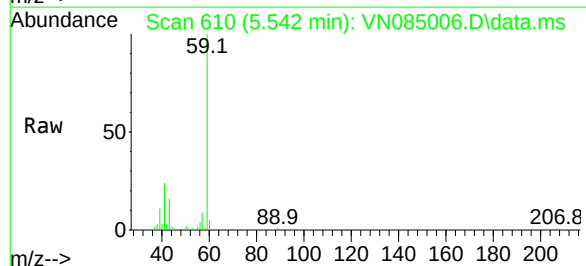
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 49.324 ug/l

RT: 4.318 min Scan# 402

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

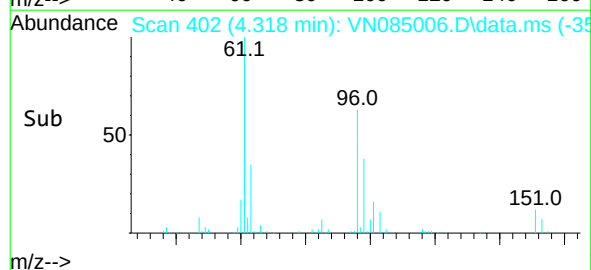
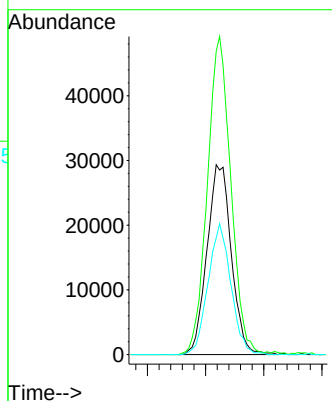
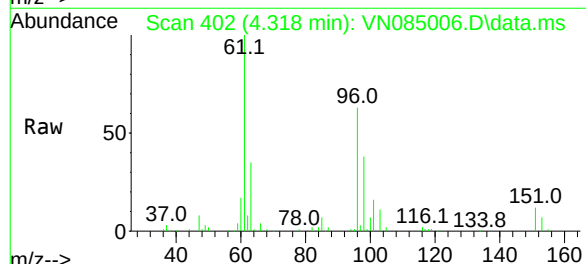
Tgt Ion: 96 Resp: 85520

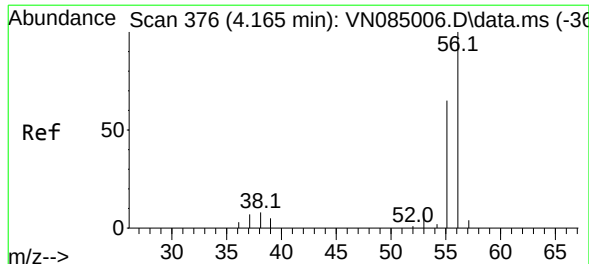
Ion Ratio Lower Upper

96 100

61 159.8 127.8 191.8

98 61.5 49.2 73.8





#13

Acrolein

Concen: 275.201 ug/l

RT: 4.165 min Scan# 376

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 57099

Ion Ratio Lower Upper

56 100

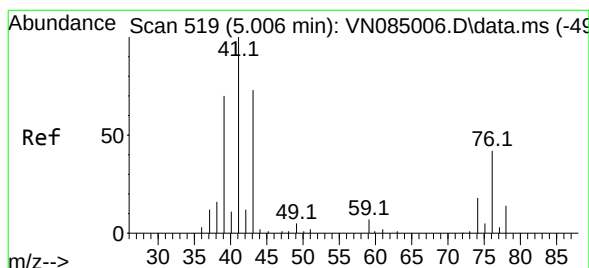
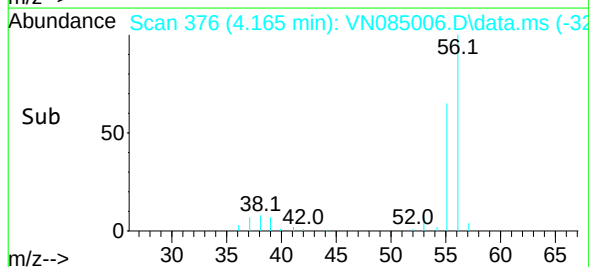
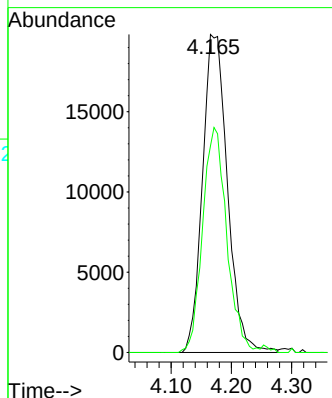
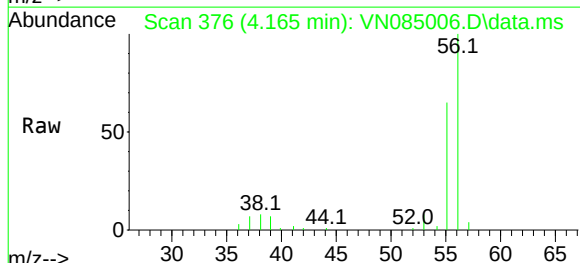
55 68.1 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 49.531 ug/l

RT: 5.006 min Scan# 519

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

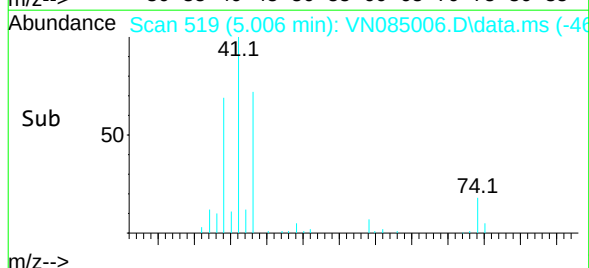
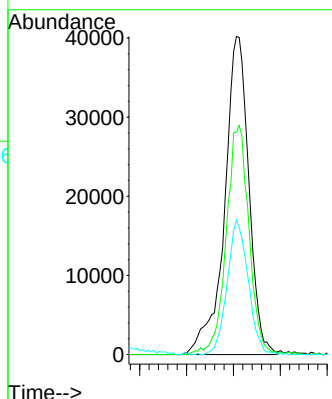
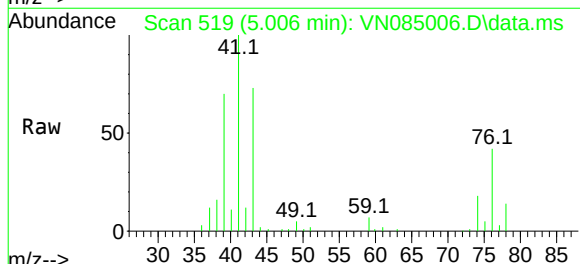
Tgt Ion: 41 Resp: 144773

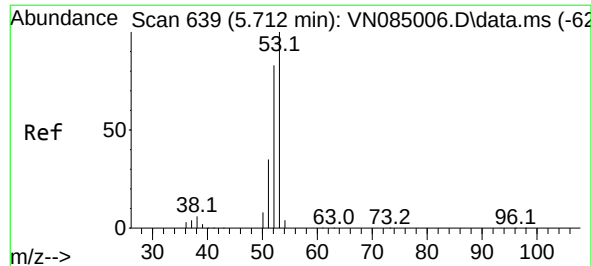
Ion Ratio Lower Upper

41 100

39 67.3 53.8 80.8

76 36.6 29.3 43.9





#15

Acrylonitrile

Concen: 243.910 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 214719

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

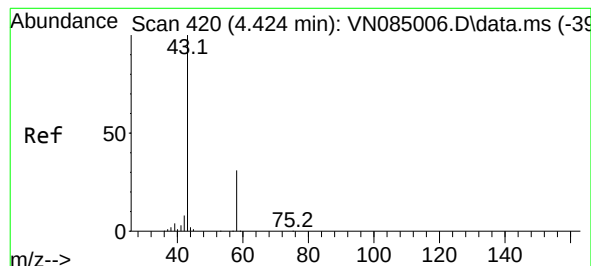
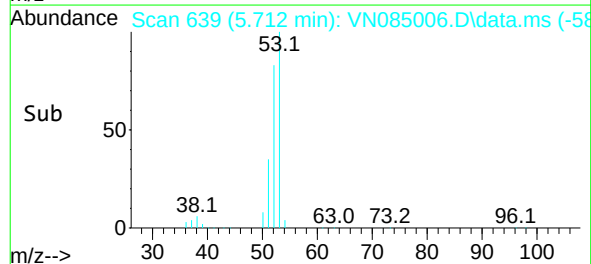
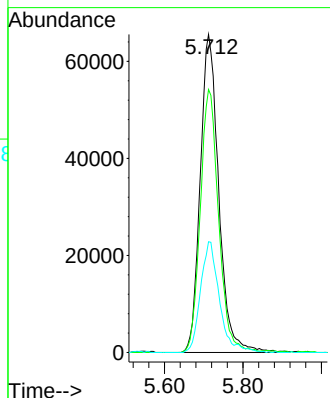
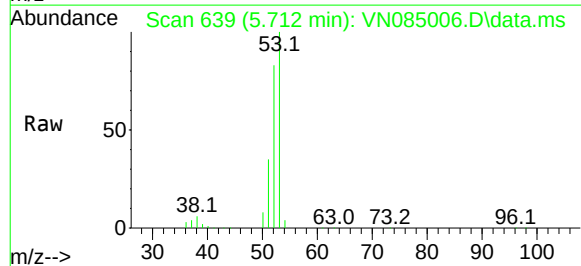
51 35.5 28.4 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 244.384 ug/l

RT: 4.424 min Scan# 420

Delta R.T. 0.000 min

Lab File: VN085006.D

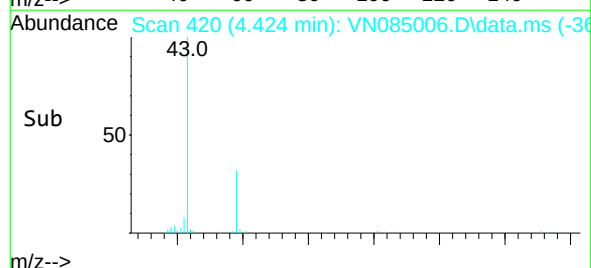
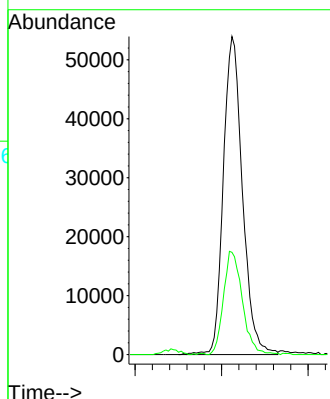
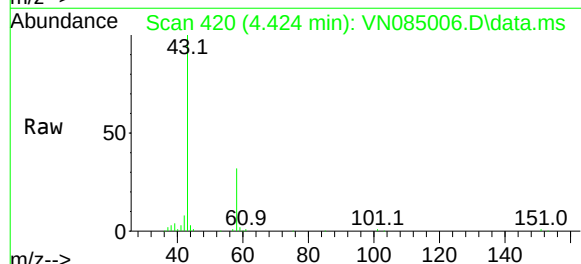
Acq: 22 Nov 2024 11:46

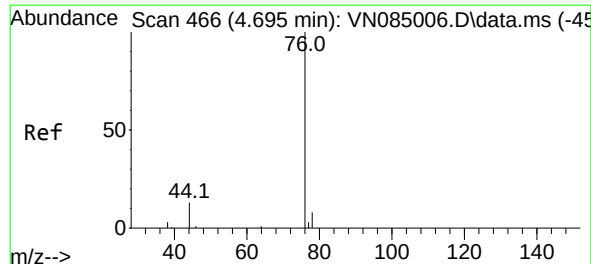
Tgt Ion: 43 Resp: 165611

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.2





#17

Carbon Disulfide

Concen: 46.996 ug/l

RT: 4.695 min Scan# 466

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 240507

Ion Ratio Lower Upper

76 100

78 8.1 6.5 9.7

Instrument :

MSVOA_N

ClientSampleId :

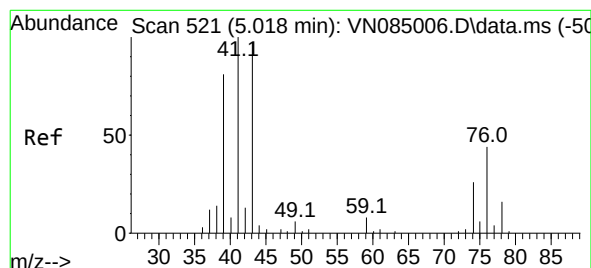
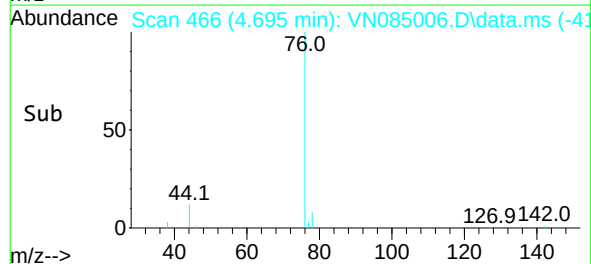
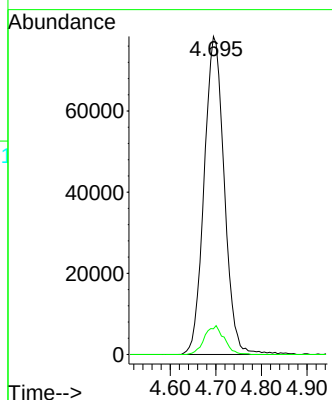
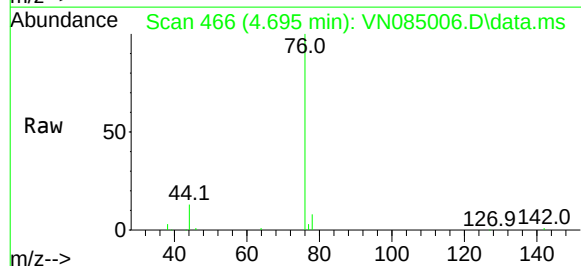
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 49.436 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085006.D

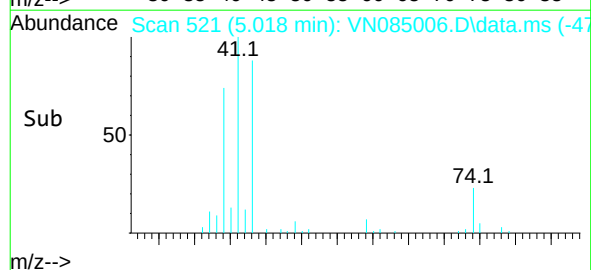
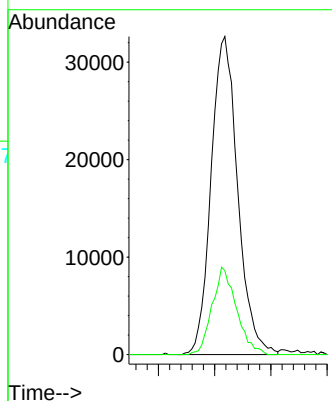
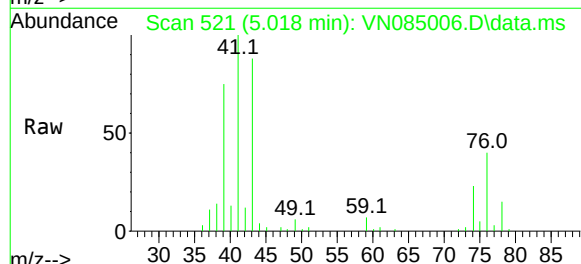
Acq: 22 Nov 2024 11:46

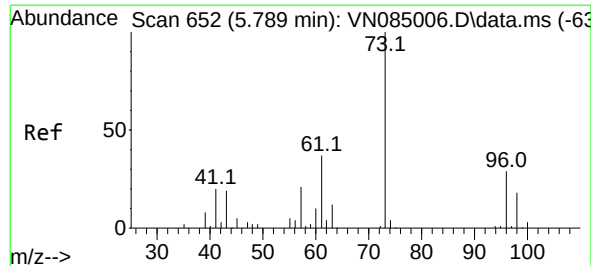
Tgt Ion: 43 Resp: 107105

Ion Ratio Lower Upper

43 100

74 25.1 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 50.982 ug/l

RT: 5.789 min Scan# 65

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 288810

Ion Ratio Lower Upper

73 100

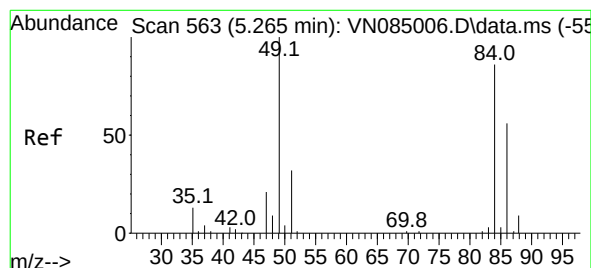
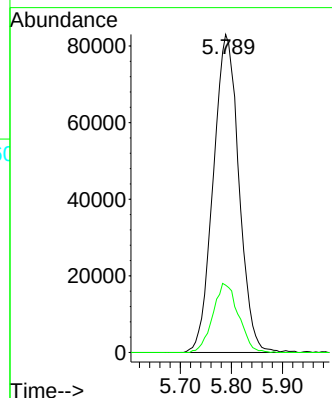
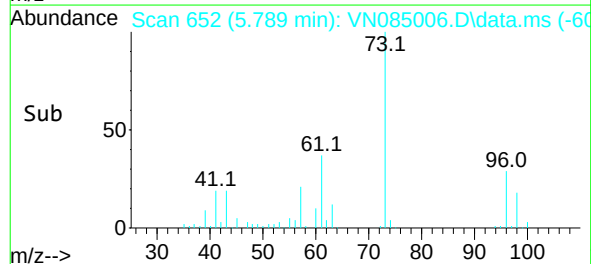
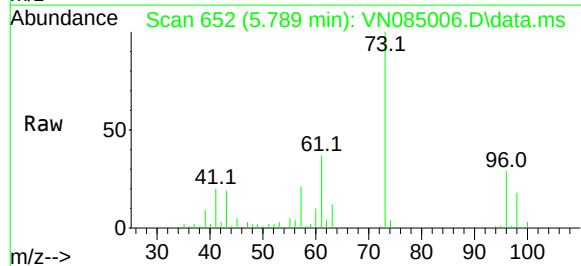
57 21.2 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 46.464 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

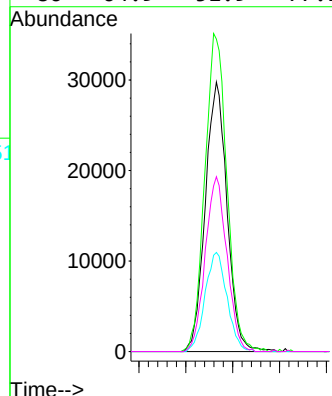
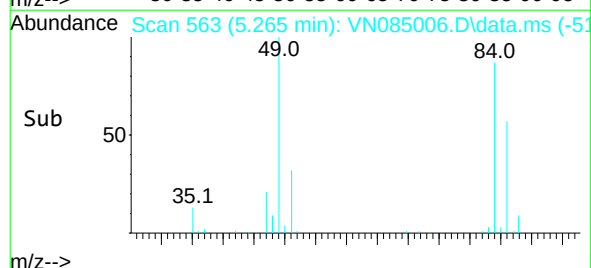
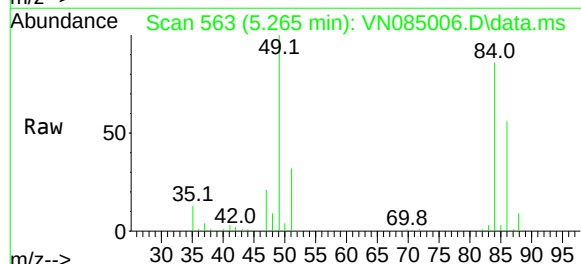
Ion Ratio Lower Upper

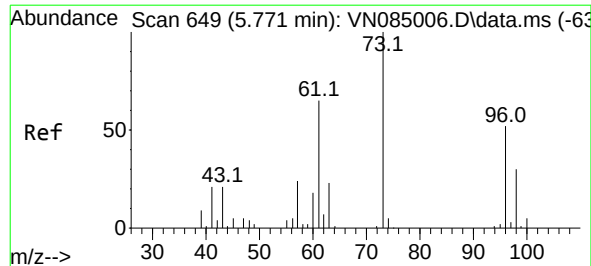
84 100

49 115.9 92.7 139.1

51 36.8 29.4 44.2

86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 49.992 ug/l

RT: 5.771 min Scan# 649

Delta R.T. 0.000 min

Lab File: VN085006.D

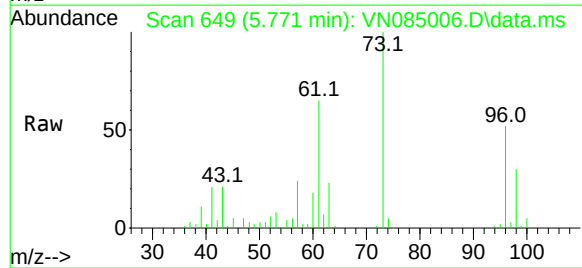
Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

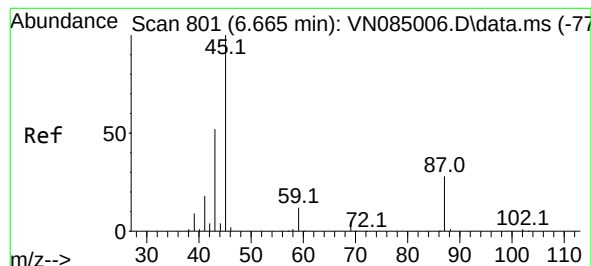
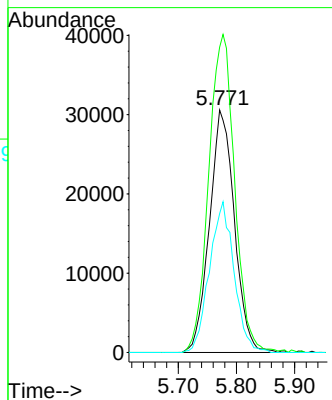
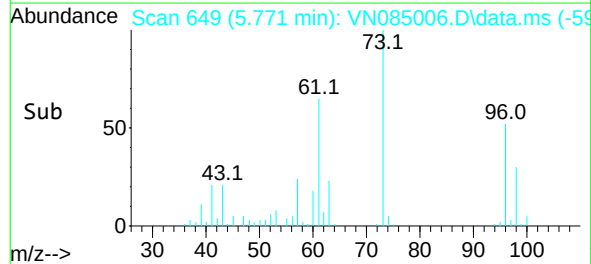
VSTDICCC050



Tgt Ion:	96	Resp:	91214
Ion	Ratio	Lower	Upper
96	100		
61	125.9	100.7	151.1
98	57.2	45.8	68.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

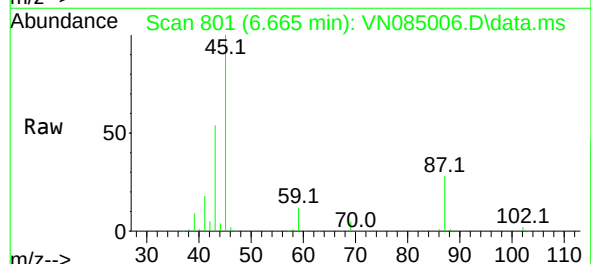
Concen: 49.447 ug/l

RT: 6.665 min Scan# 801

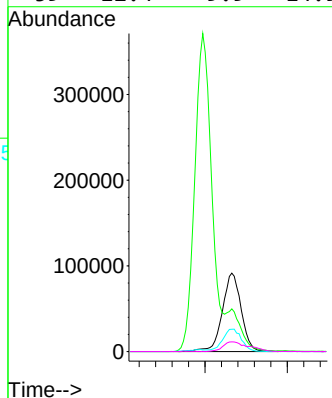
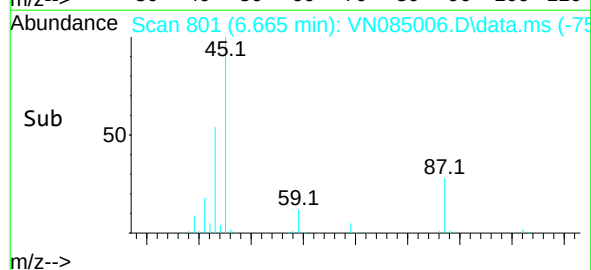
Delta R.T. 0.000 min

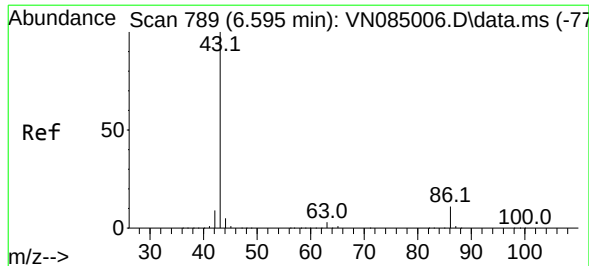
Lab File: VN085006.D

Acq: 22 Nov 2024 11:46



Tgt Ion:	45	Resp:	290883
Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.7	64.1
87	28.3	22.6	34.0
59	12.4	9.9	14.9





#23

Vinyl Acetate

Concen: 260.842 ug/l

RT: 6.595 min Scan# 789

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1058594

Ion Ratio Lower Upper

43 100

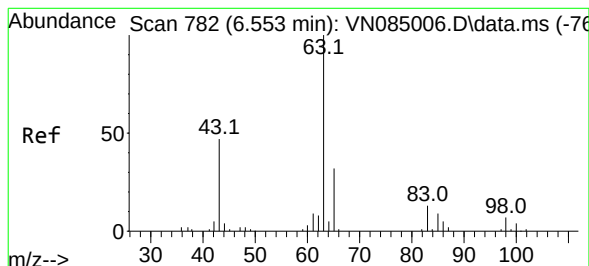
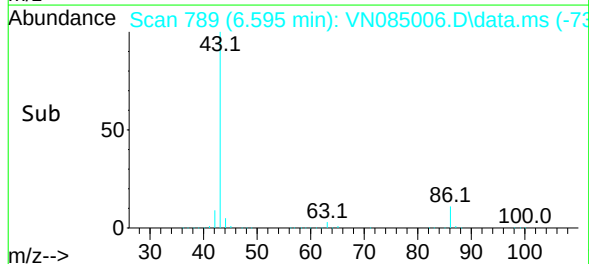
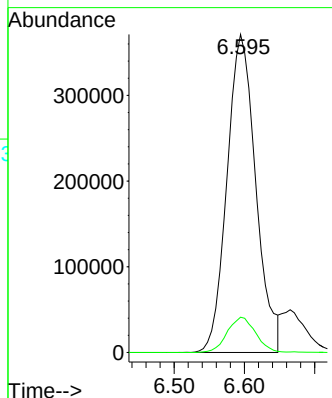
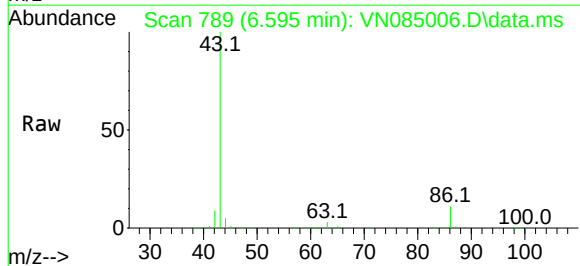
86 11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 48.684 ug/l

RT: 6.553 min Scan# 782

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

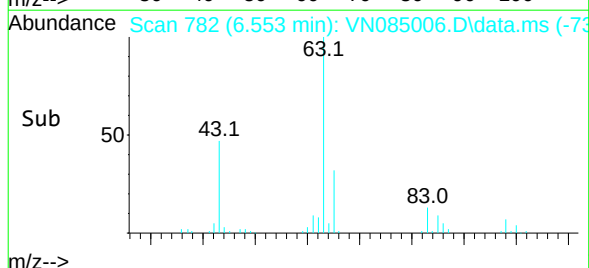
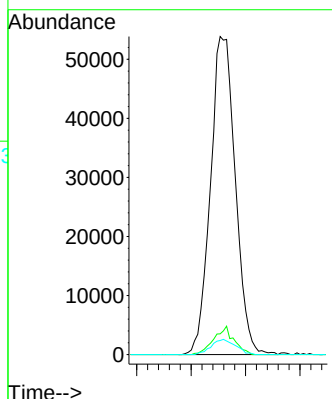
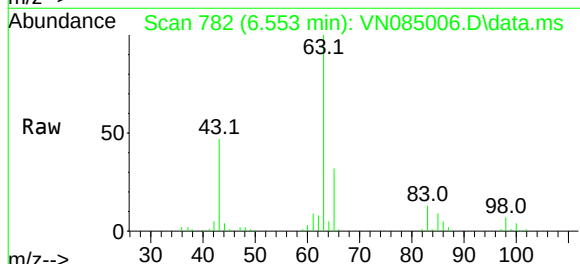
Tgt Ion: 63 Resp: 171385

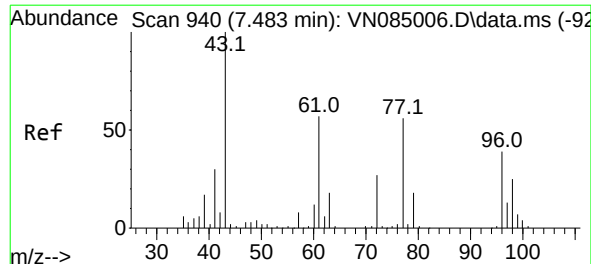
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 244.184 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 270539

Ion Ratio Lower Upper

43 100

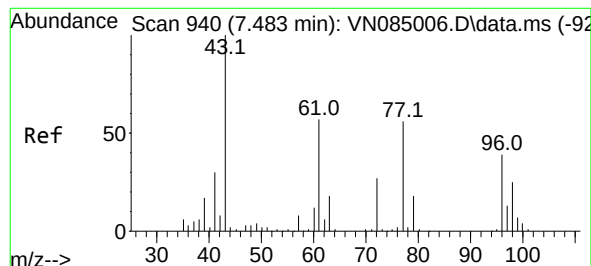
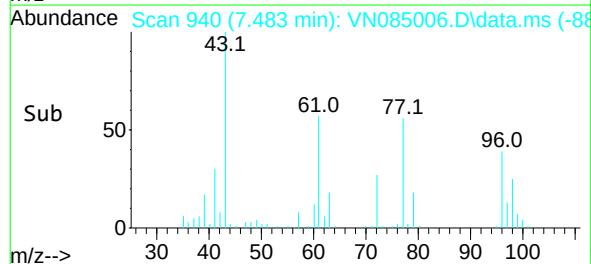
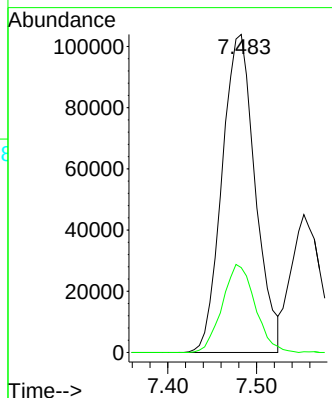
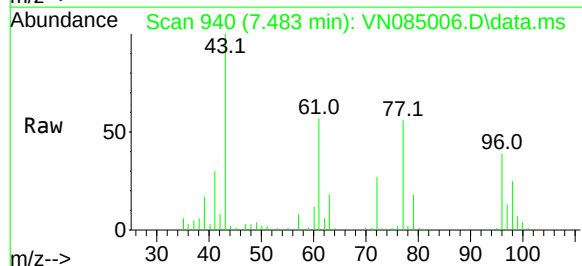
72 26.7 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#26

2,2-Dichloropropane

Concen: 49.367 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085006.D

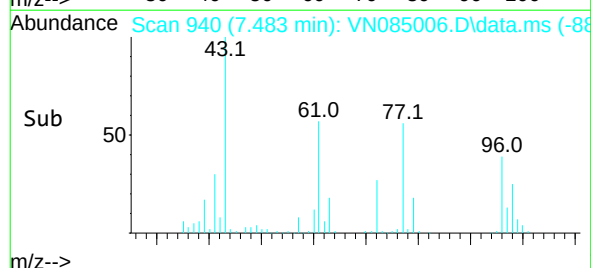
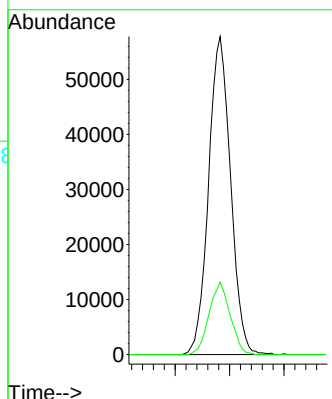
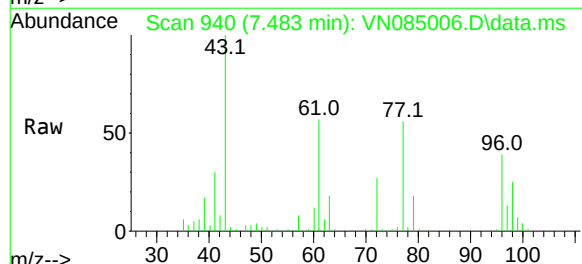
Acq: 22 Nov 2024 11:46

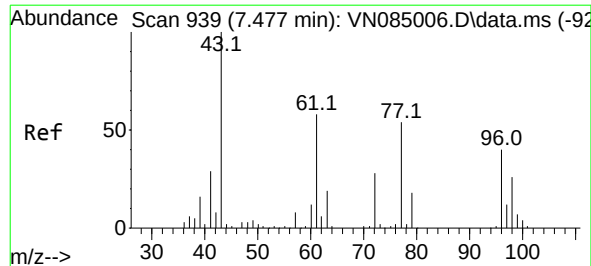
Tgt Ion: 77 Resp: 162280

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 48.796 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 107332

Ion Ratio Lower Upper

96 100

61 145.8 0.0 291.6

98 64.9 0.0 129.8

Instrument :

MSVOA_N

ClientSampleId :

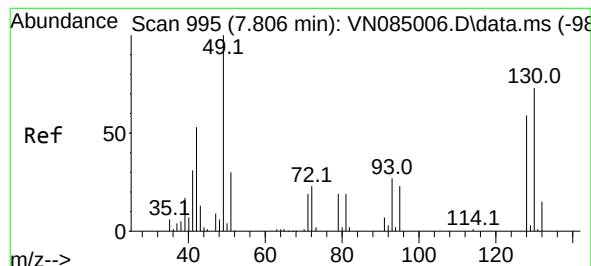
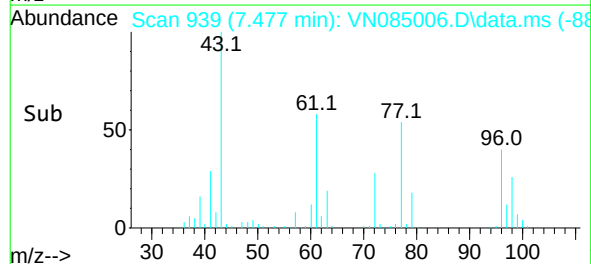
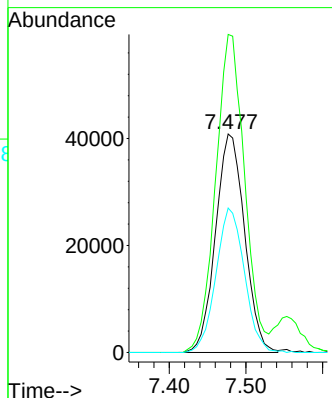
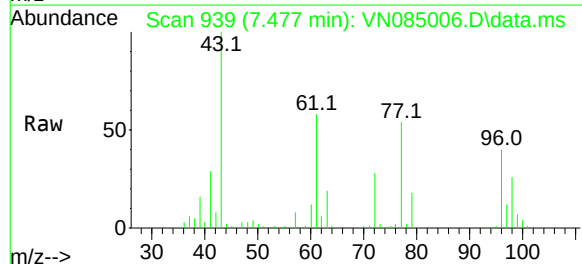
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#28

Bromochloromethane

Concen: 48.597 ug/l

RT: 7.806 min Scan# 995

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

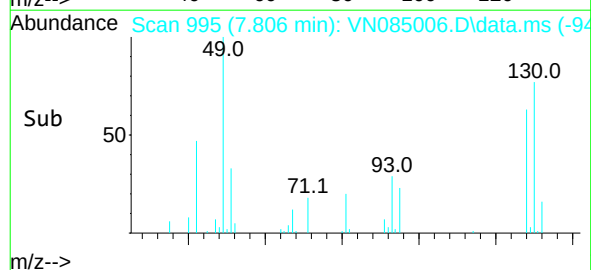
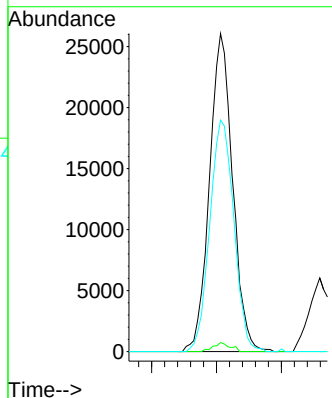
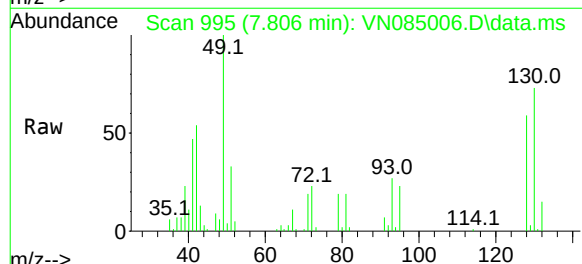
Tgt Ion: 49 Resp: 64580

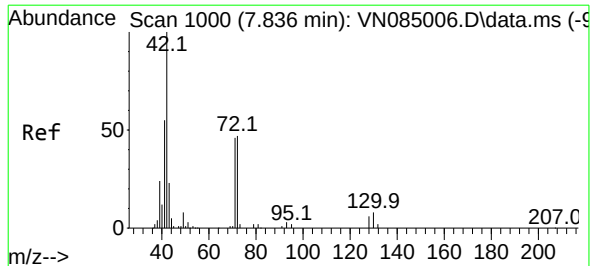
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 75.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 254.088 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 175063

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.4

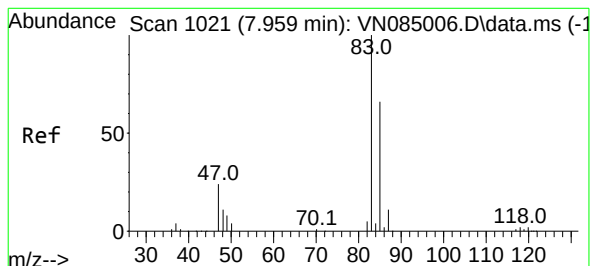
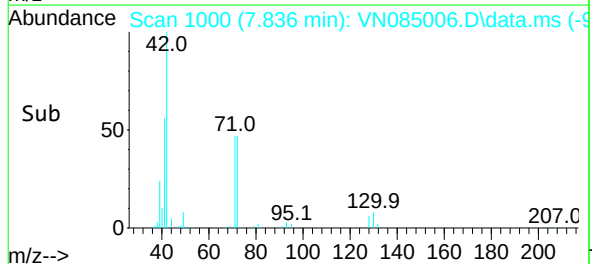
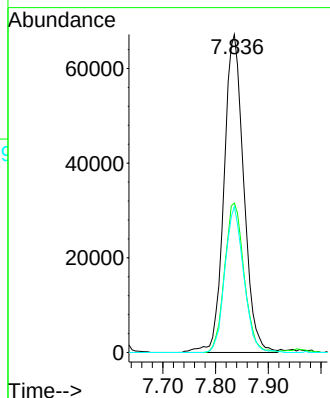
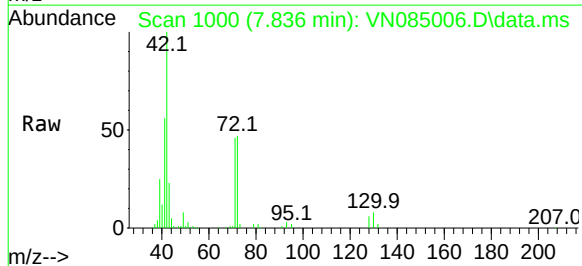
71 43.7 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 47.921 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085006.D

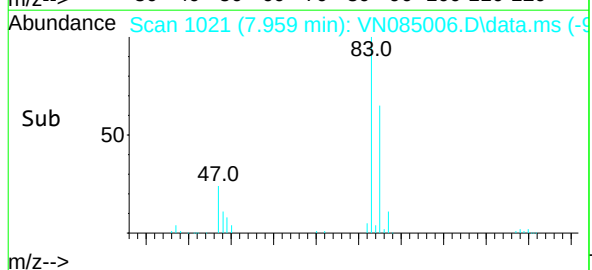
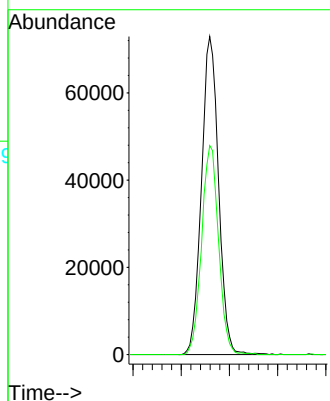
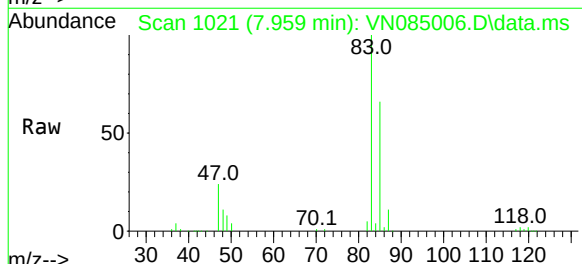
Acq: 22 Nov 2024 11:46

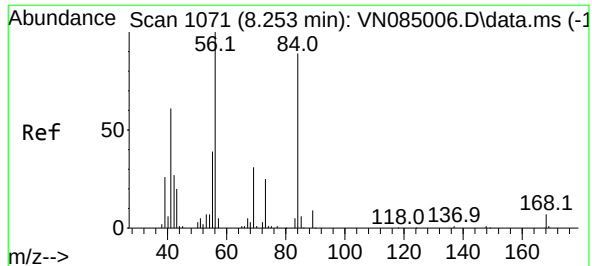
Tgt Ion: 83 Resp: 179452

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8





#31

Cyclohexane

Concen: 46.504 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 56 Resp: 144139

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 89.3 71.4 107.2

Instrument :

MSVOA_N

ClientSampleId :

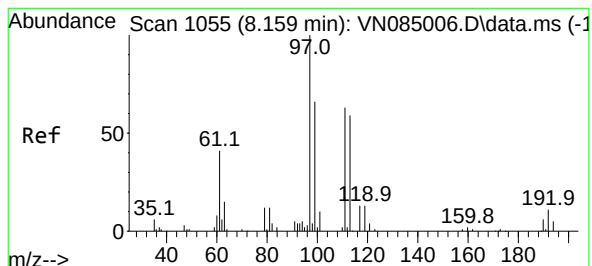
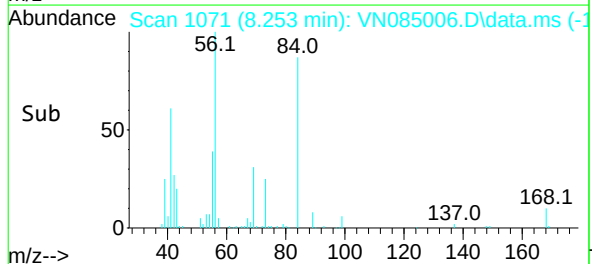
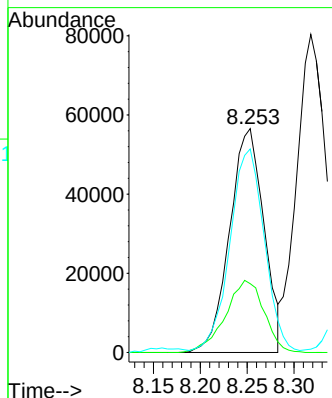
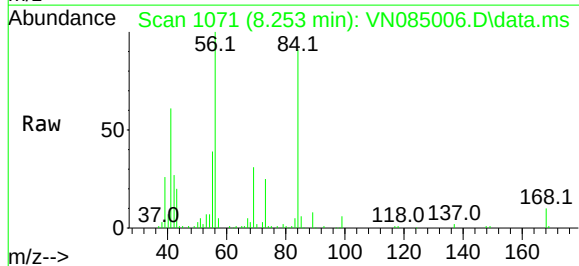
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 48.900 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

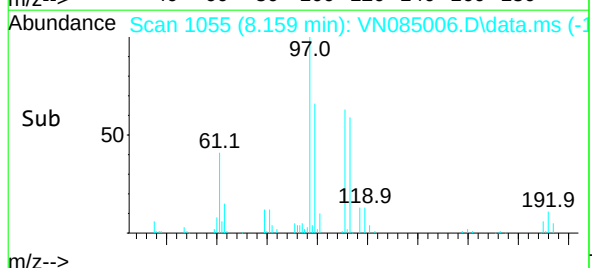
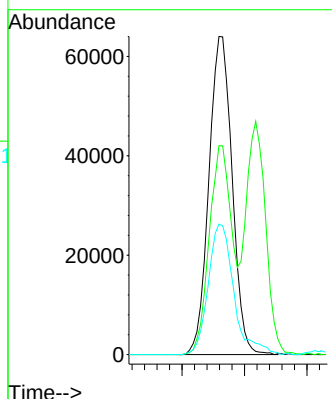
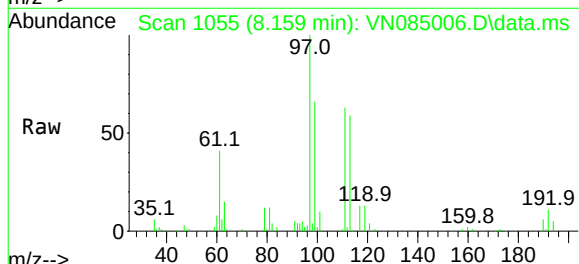
Tgt Ion: 97 Resp: 165474

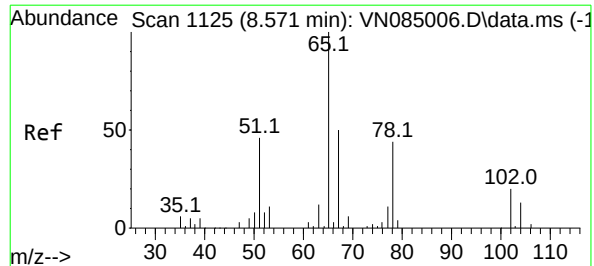
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 45.2 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085006.D

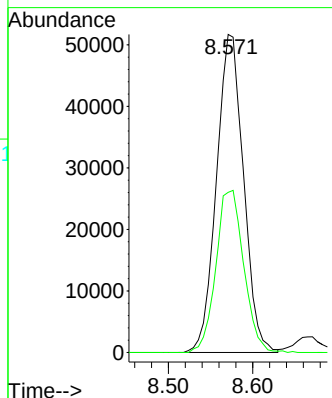
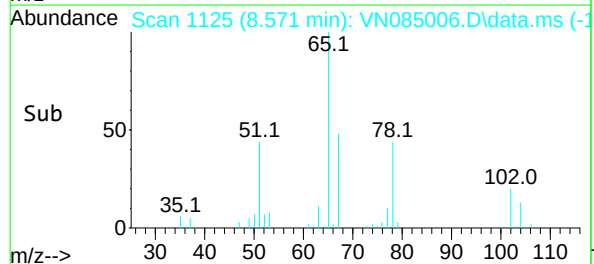
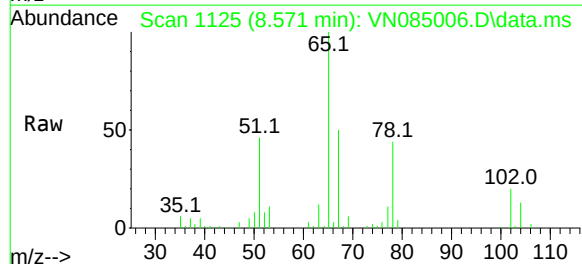
Acq: 22 Nov 2024 11:46

Tgt Ion: 65 Resp: 115244

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



Instrument :

MSVOA_N

ClientSampleId :

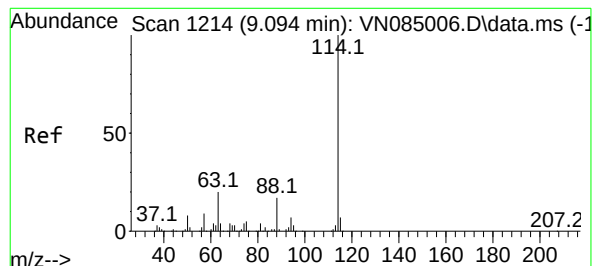
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

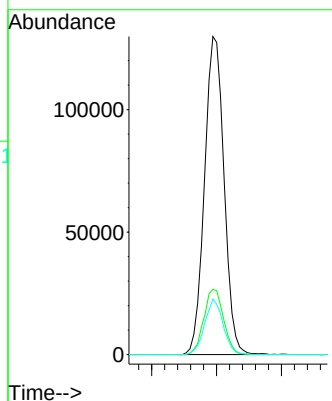
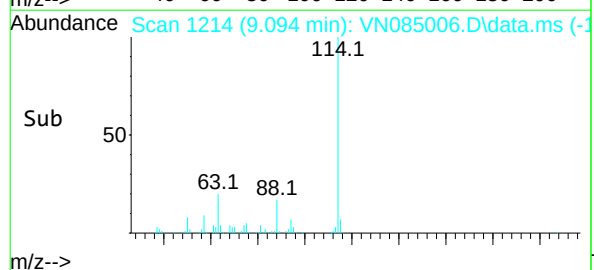
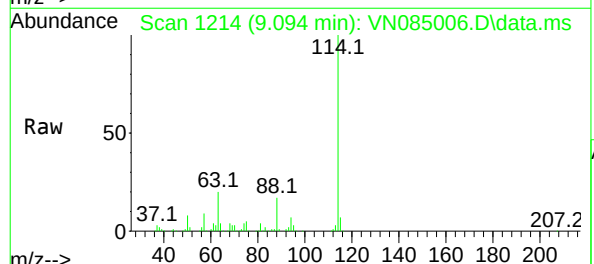
Tgt Ion:114 Resp: 271467

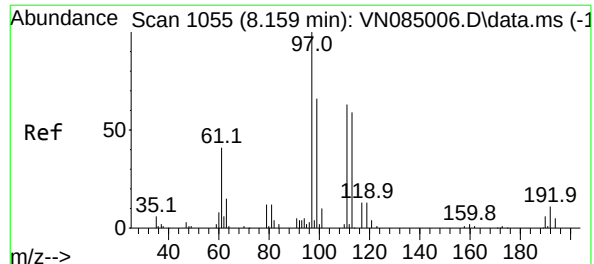
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 17.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.417 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 92297

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

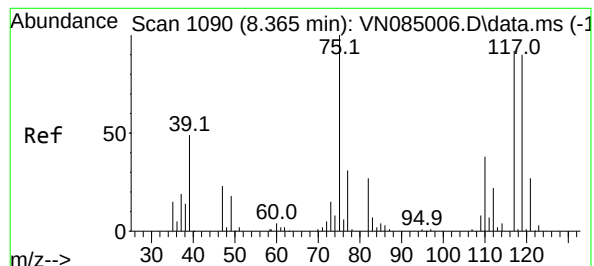
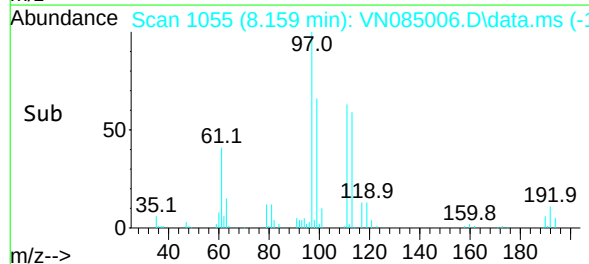
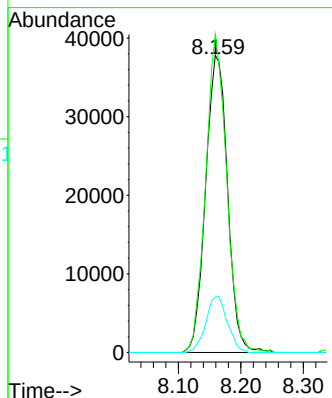
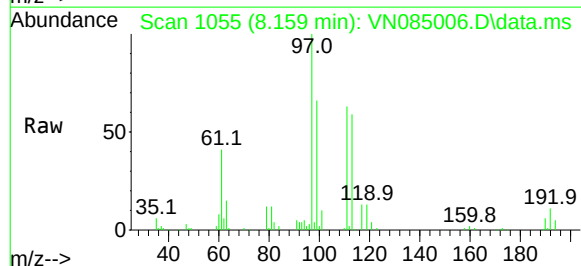
192 18.5 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 49.822 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

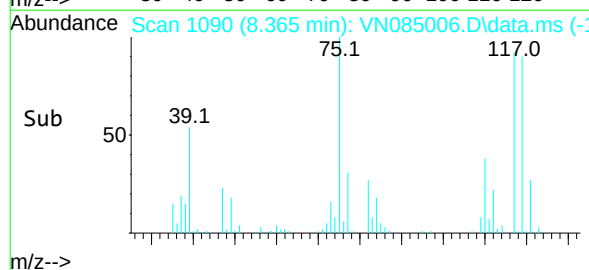
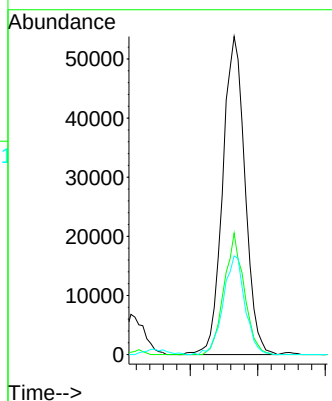
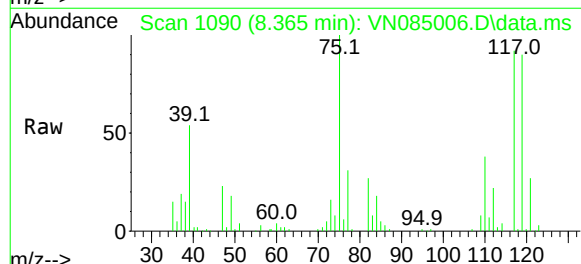
Tgt Ion: 75 Resp: 123540

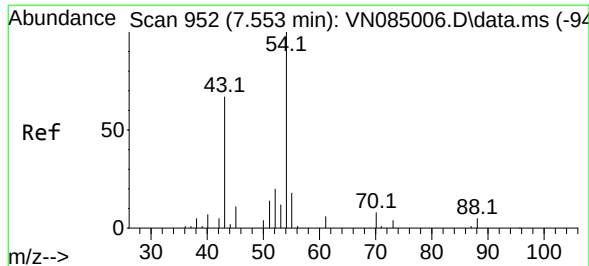
Ion Ratio Lower Upper

75 100

110 34.4 17.2 51.6

77 30.3 24.2 36.4





#37

Ethyl Acetate

Concen: 48.484 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

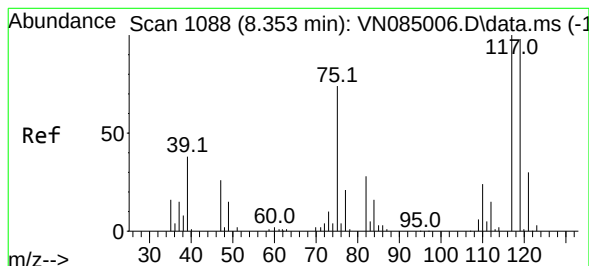
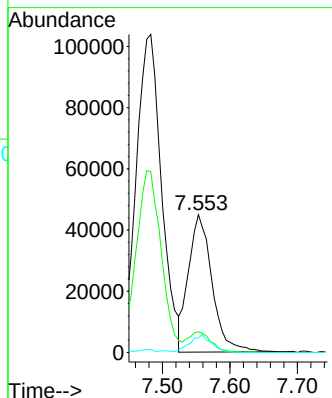
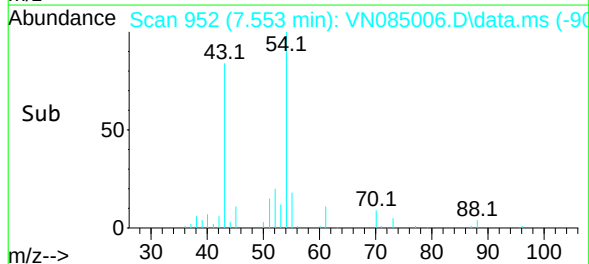
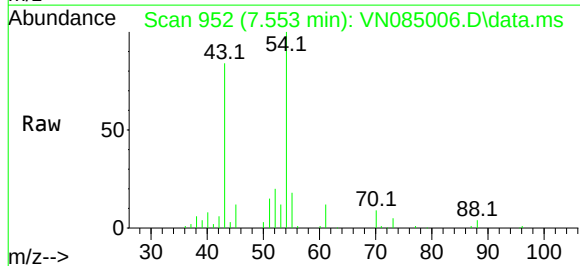
ClientSampleId :

VSTDICCC050

Tgt Ion:	43	Resp:	109296
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.7	17.5
70	11.6	9.3	13.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 50.624 ug/l

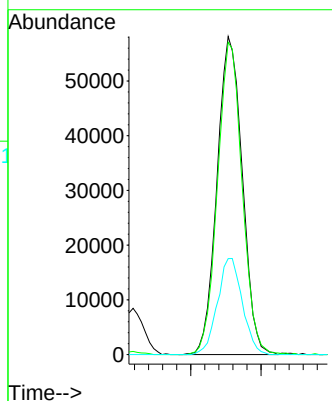
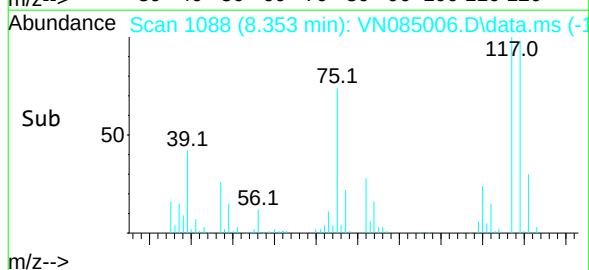
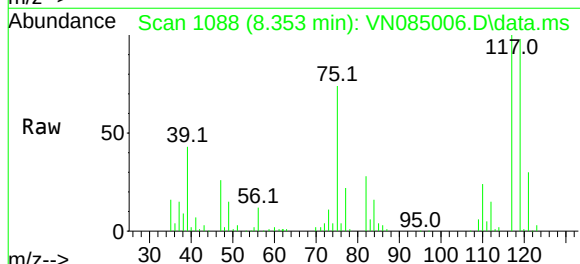
RT: 8.353 min Scan# 1088

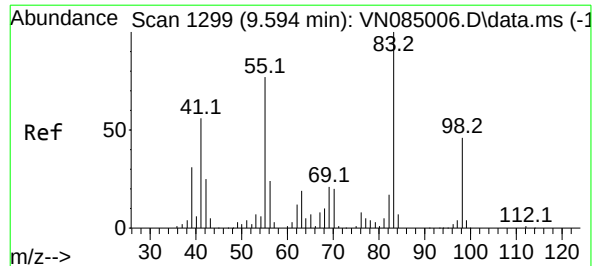
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	117	Resp:	144897
Ion	Ratio	Lower	Upper
117	100		
119	98.2	78.6	117.8
121	30.2	24.2	36.2





#39

Methylcyclohexane

Concen: 53.395 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 83 Resp: 137583

Ion Ratio Lower Upper

83 100

55 77.2 61.8 92.6

98 46.3 37.0 55.6

Instrument :

MSVOA_N

ClientSampleId :

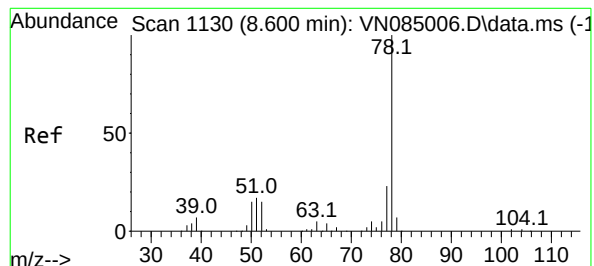
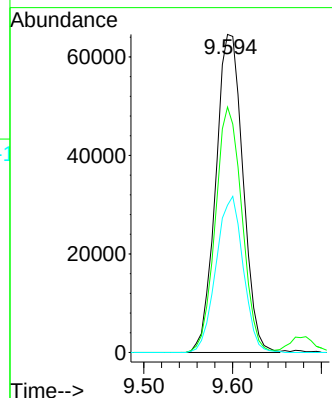
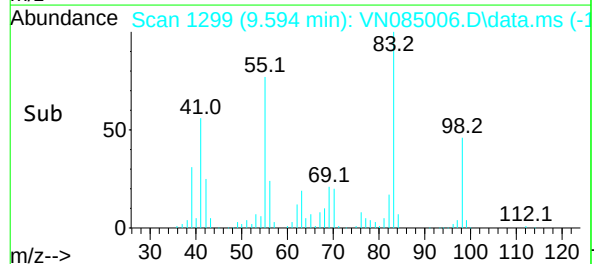
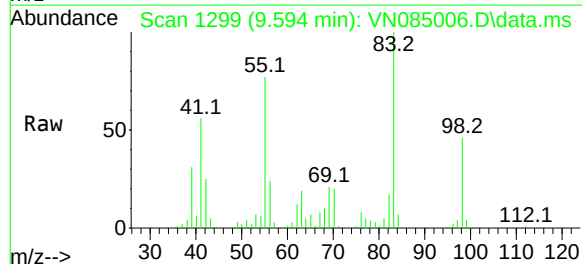
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 49.297 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085006.D

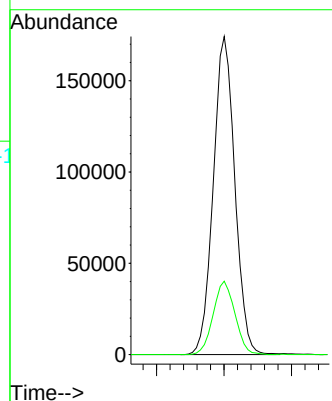
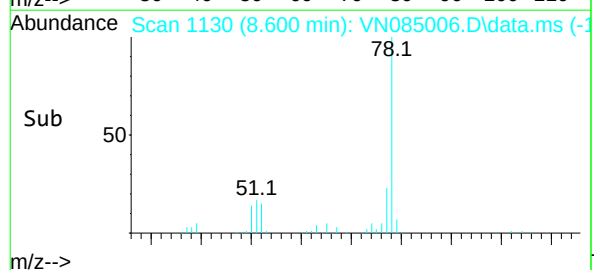
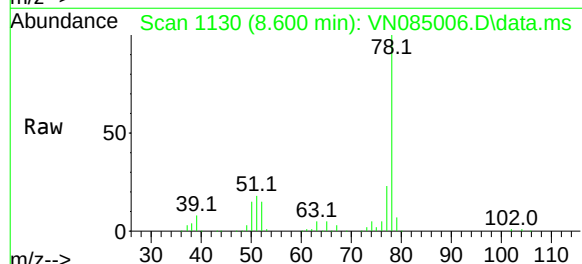
Acq: 22 Nov 2024 11:46

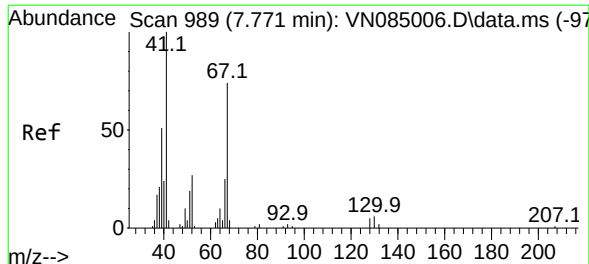
Tgt Ion: 78 Resp: 386616

Ion Ratio Lower Upper

78 100

77 23.1 18.5 27.7





#41

Methacrylonitrile

Concen: 50.102 ug/l

RT: 7.771 min Scan# 989

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 62534

Ion Ratio Lower Upper

41 100

39 53.2 42.6 63.8

67 74.9 59.9 89.9

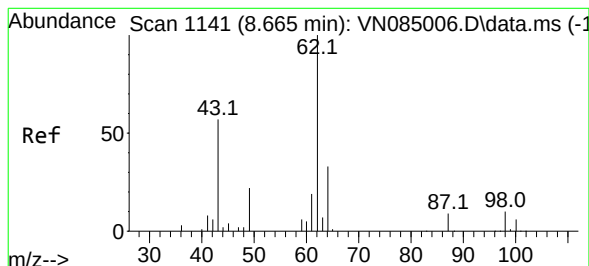
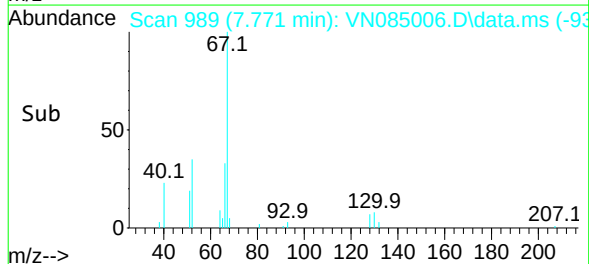
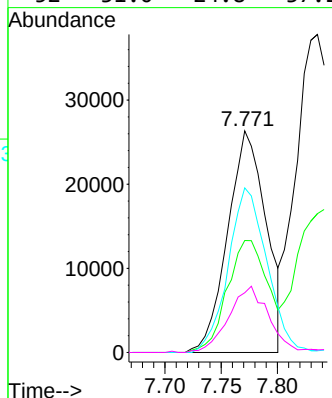
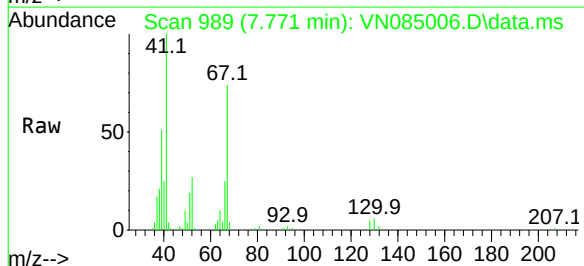
52 31.0 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 48.616 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN085006.D

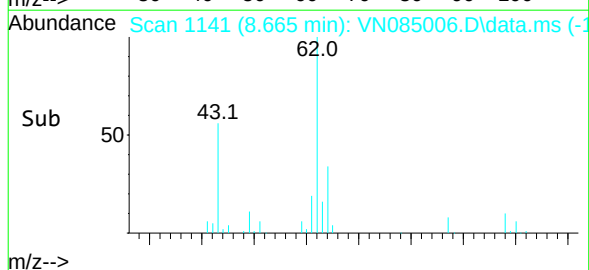
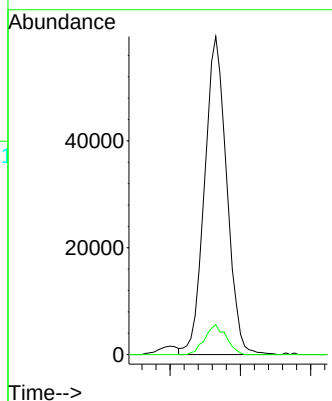
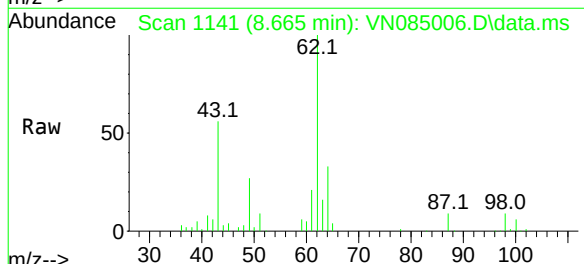
Acq: 22 Nov 2024 11:46

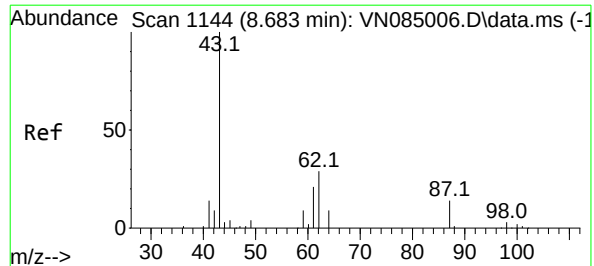
Tgt Ion: 62 Resp: 130440

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 43.670 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 204483

Ion Ratio Lower Upper

43 100

61 25.7 20.6 30.8

87 13.7 11.0 16.4

Instrument :

MSVOA_N

ClientSampleId :

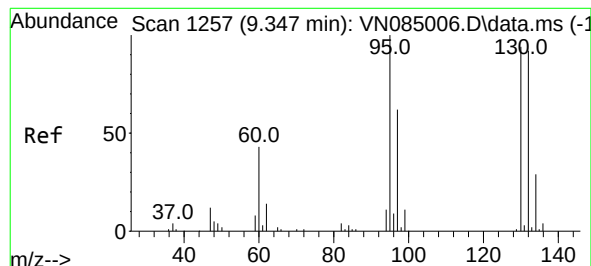
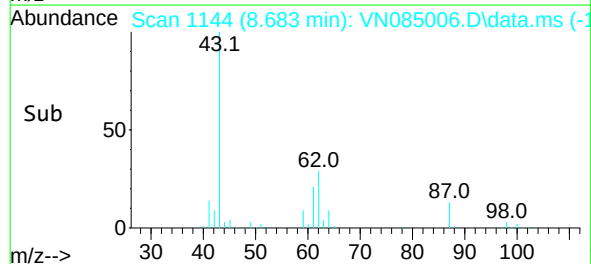
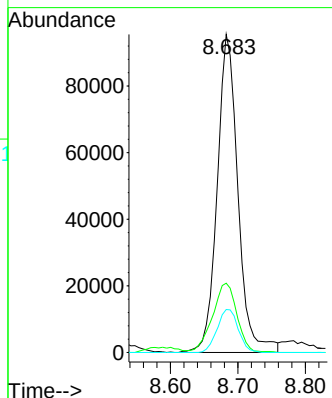
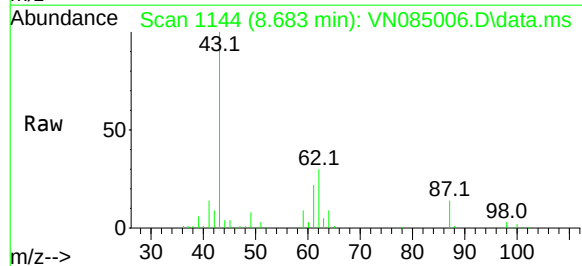
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 48.692 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN085006.D

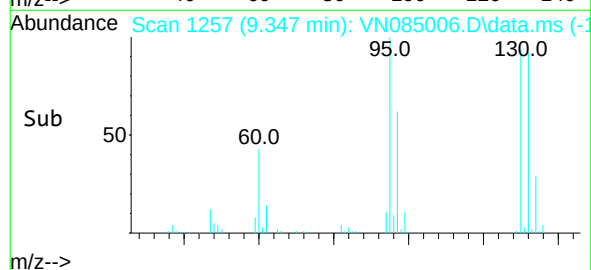
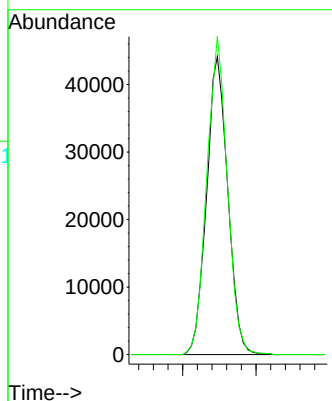
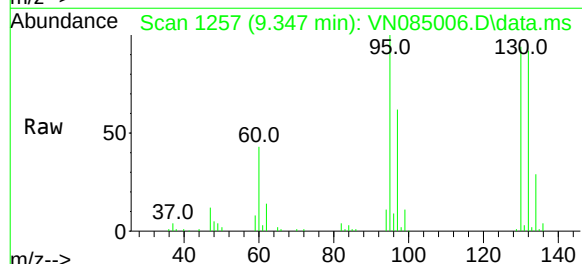
Acq: 22 Nov 2024 11:46

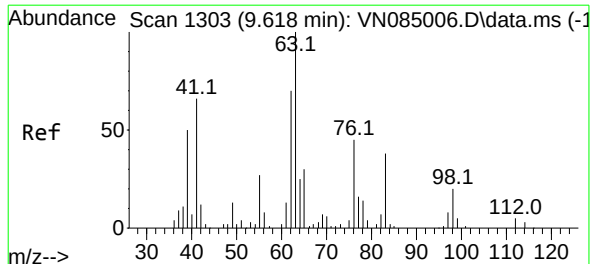
Tgt Ion:130 Resp: 88746

Ion Ratio Lower Upper

130 100

95 106.7 0.0 213.4





#45

1,2-Dichloropropane

Concen: 49.013 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 94677

Ion Ratio Lower Upper

63 100

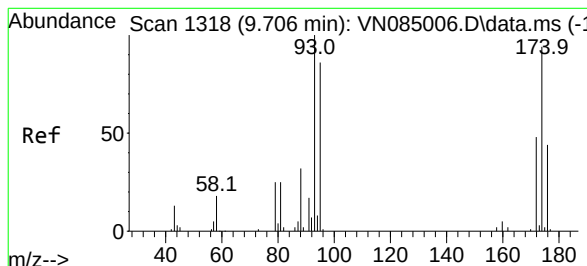
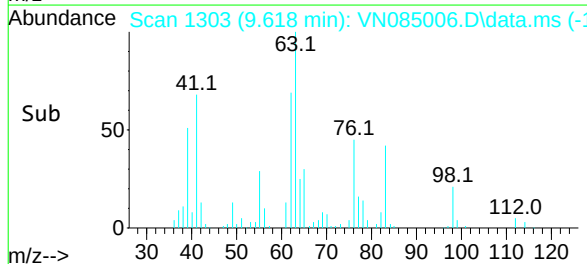
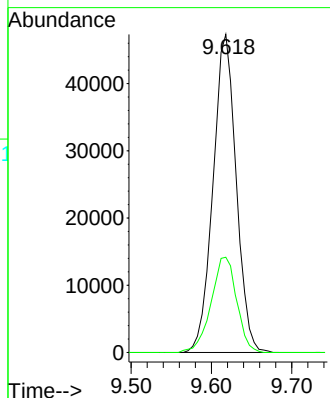
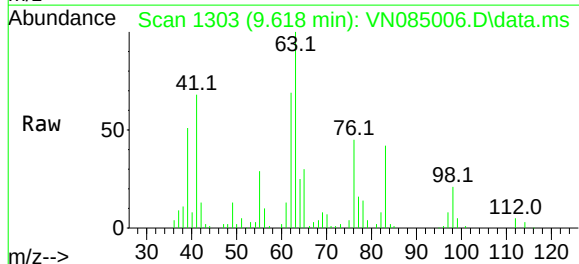
65 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 49.447 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

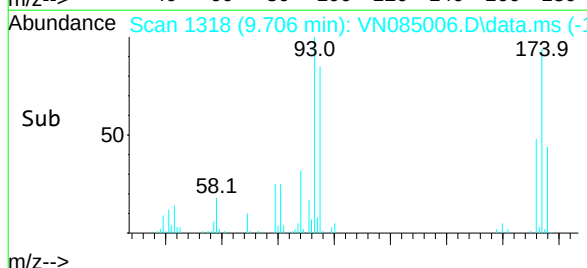
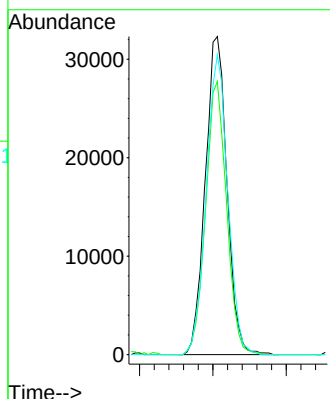
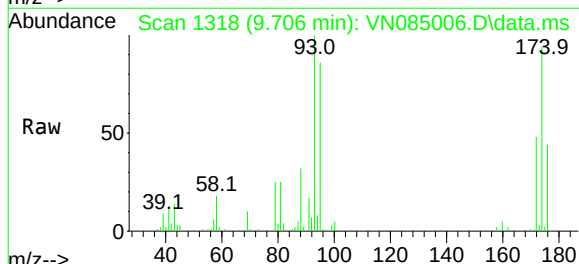
Tgt Ion: 93 Resp: 66370

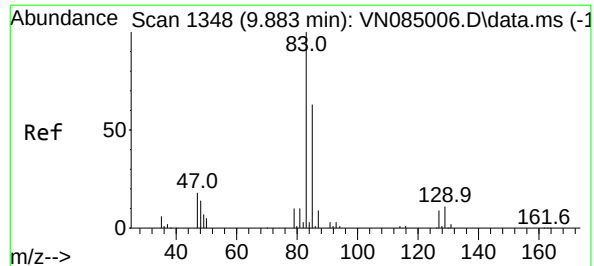
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 93.6 74.9 112.3





#47

Bromodichloromethane

Concen: 49.849 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 141808

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

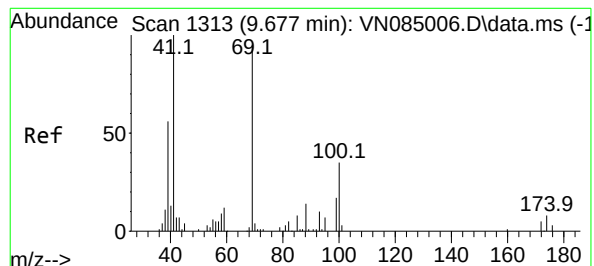
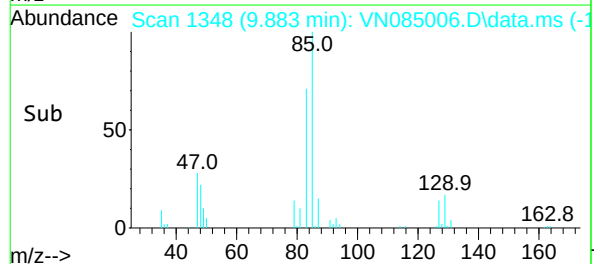
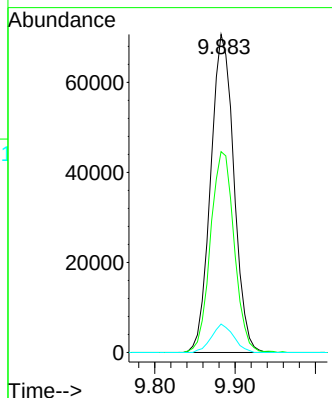
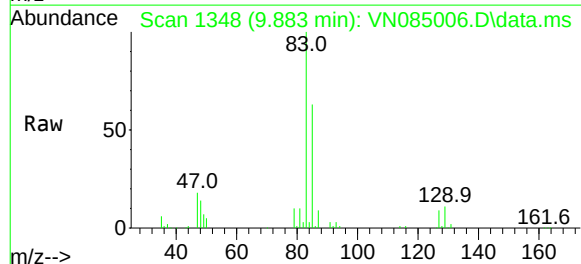
127 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 51.193 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

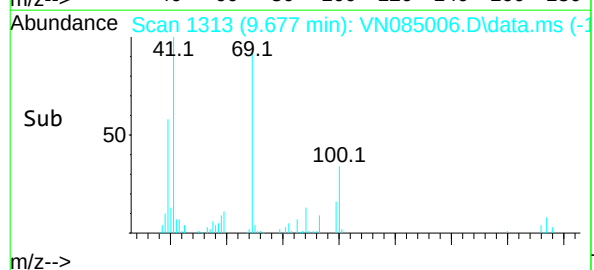
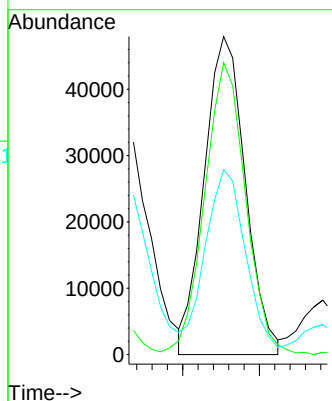
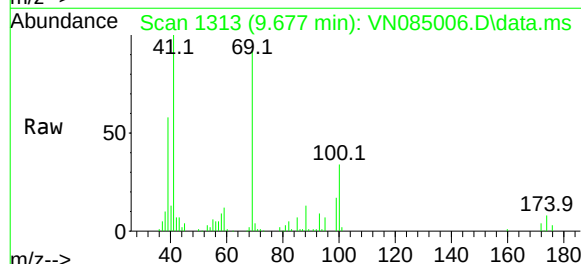
Tgt Ion: 41 Resp: 89202

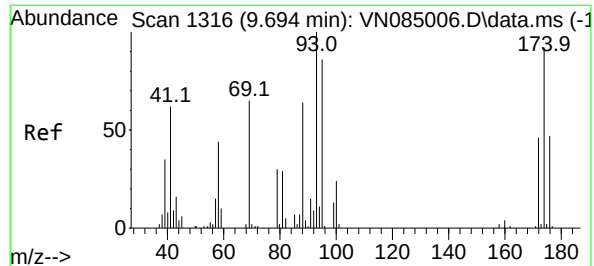
Ion Ratio Lower Upper

41 100

69 91.5 73.2 109.8

39 57.8 46.2 69.4





#49

1,4-Dioxane

Concen: 1044.331 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 31557

Ion Ratio Lower Upper

88 100

43 20.9 16.7 25.1

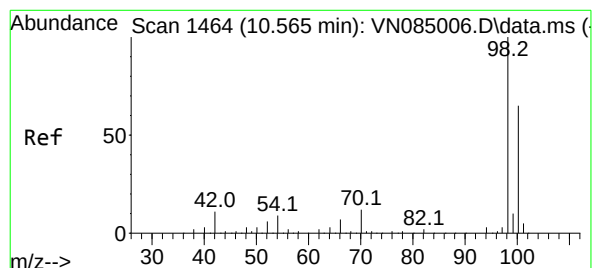
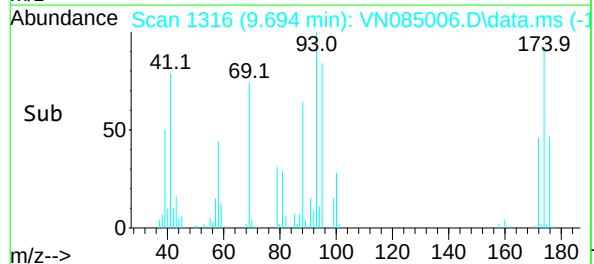
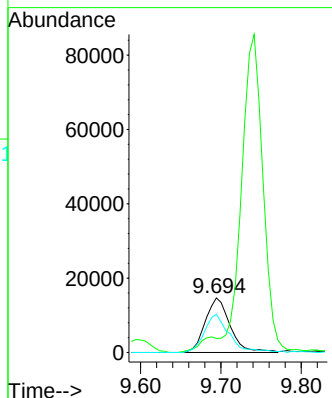
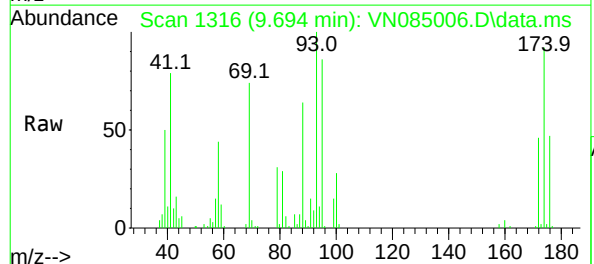
58 70.6 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 51.662 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085006.D

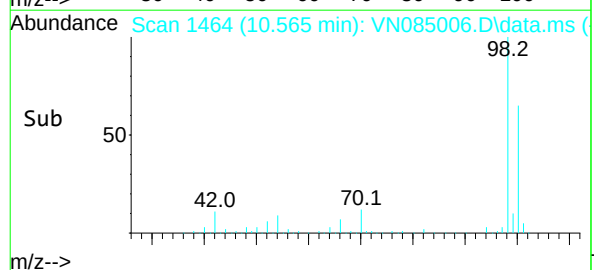
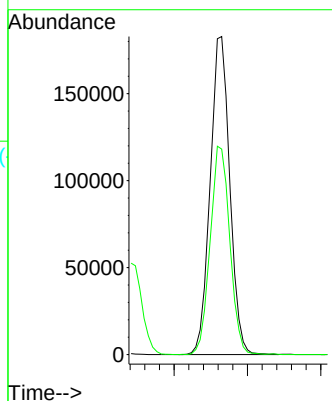
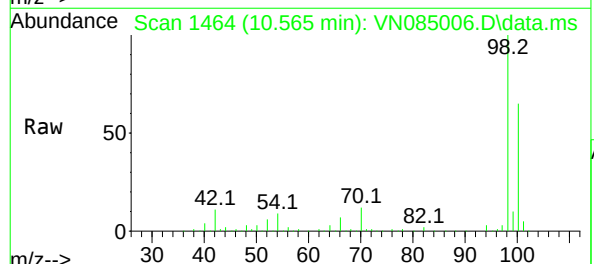
Acq: 22 Nov 2024 11:46

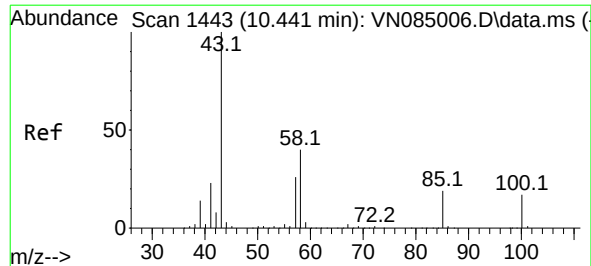
Tgt Ion: 98 Resp: 338938

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7





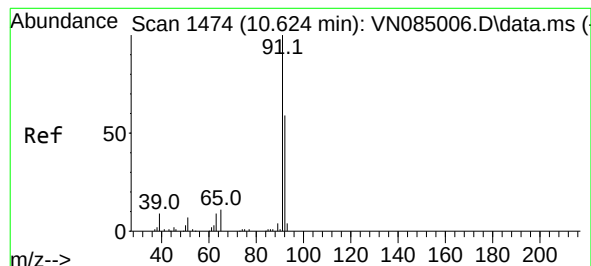
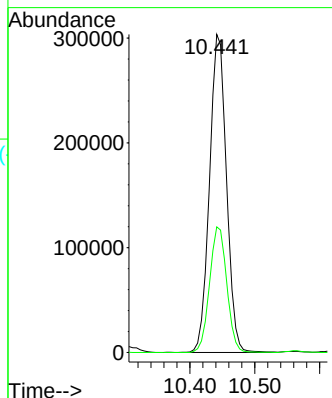
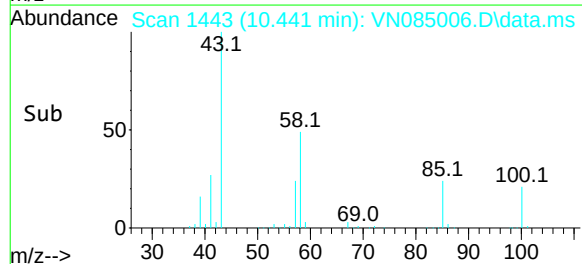
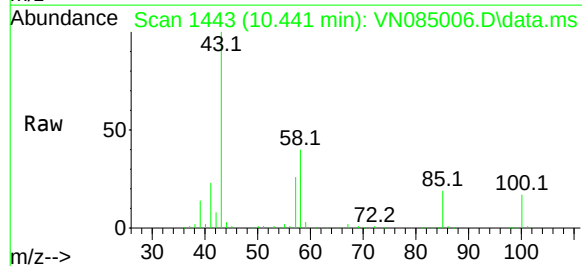
#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 551484
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1

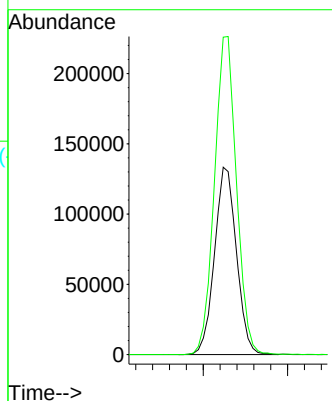
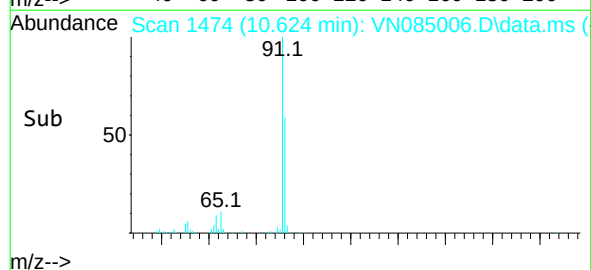
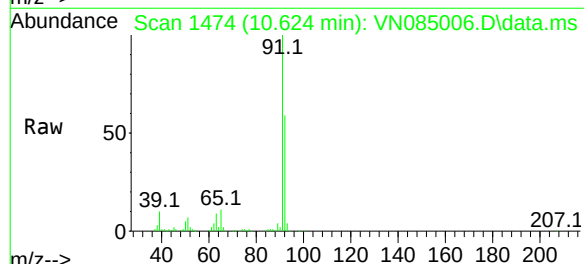
Manual Integrations
APPROVED

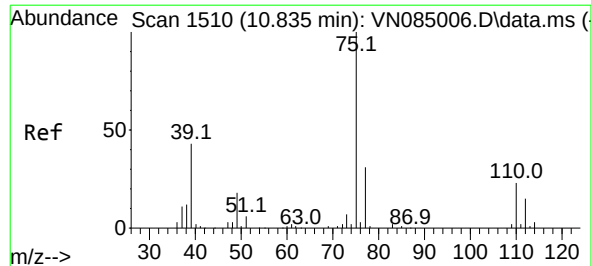
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730
Ion Ratio Lower Upper
92 100
91 170.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.241 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 148995

Ion Ratio Lower Upper

75 100

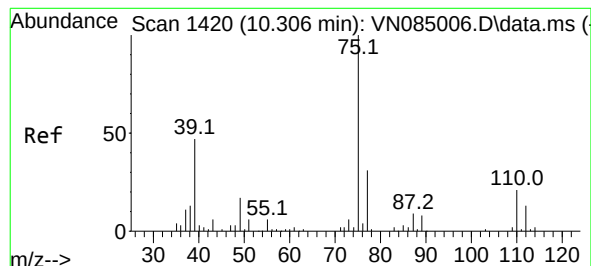
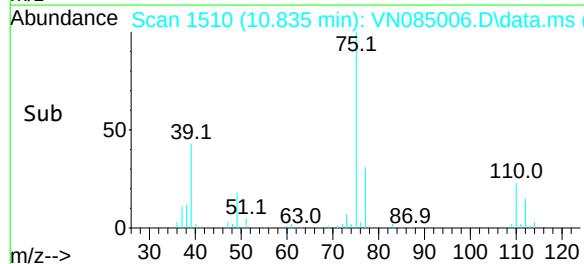
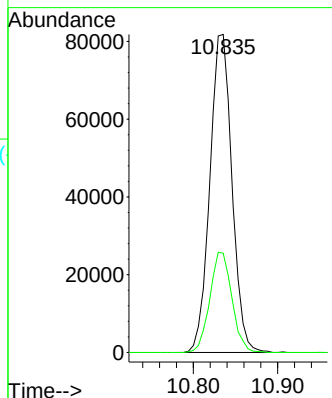
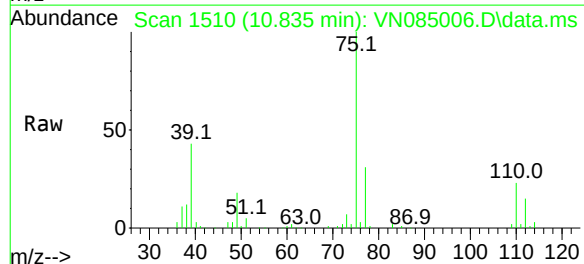
77 31.2 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 51.671 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

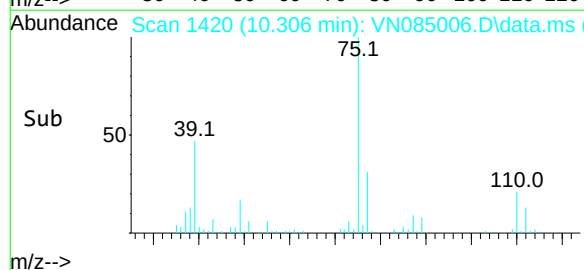
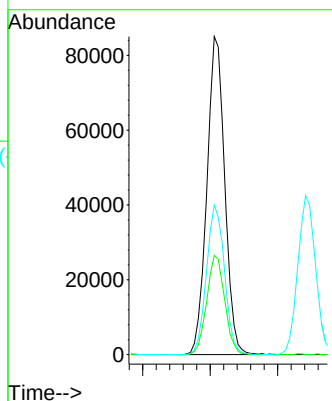
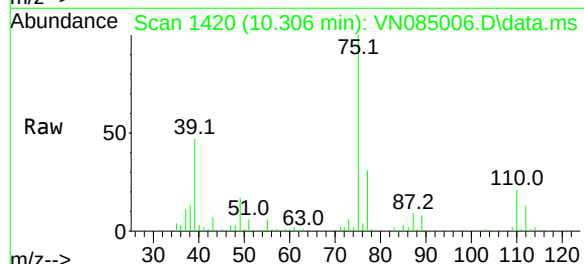
Tgt Ion: 75 Resp: 156342

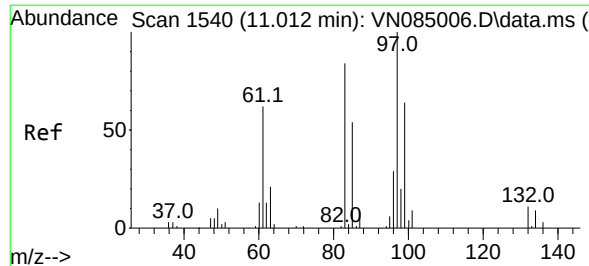
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 47.0 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 50.501 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 87334

Ion Ratio Lower Upper

97 100

83 84.3 67.4 101.2

85 53.9 43.1 64.7

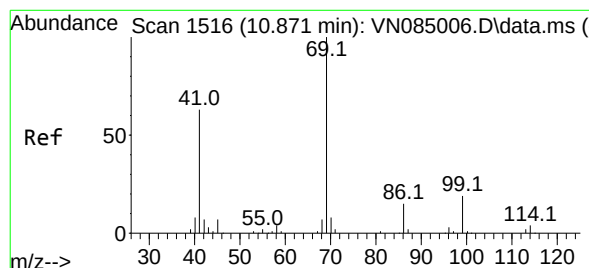
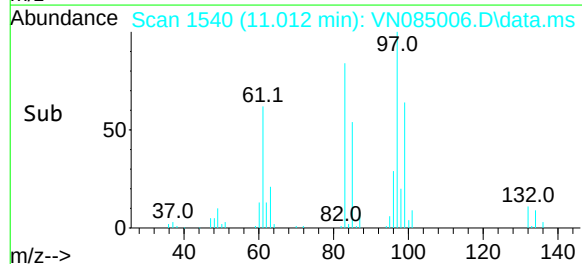
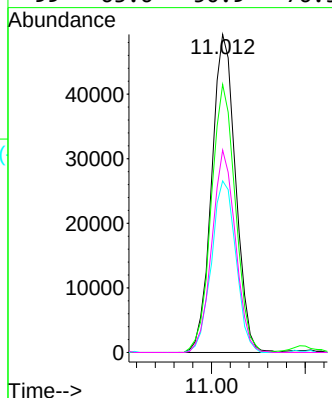
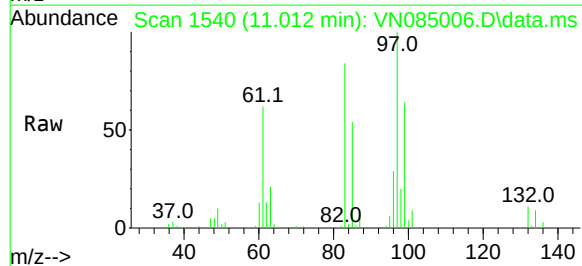
99 63.6 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 55.617 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

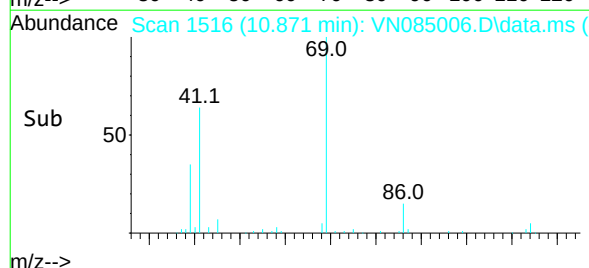
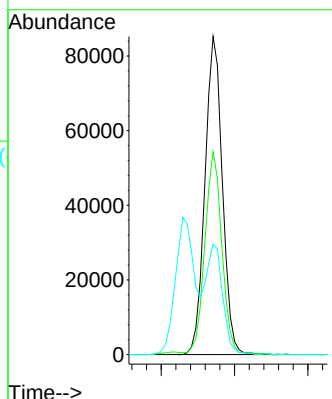
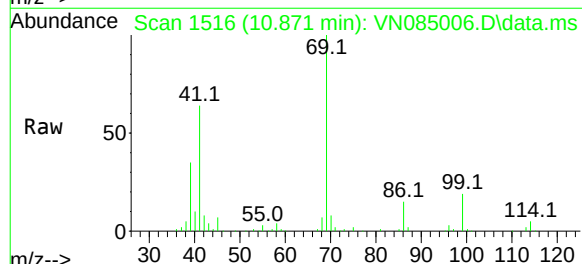
Tgt Ion: 69 Resp: 140546

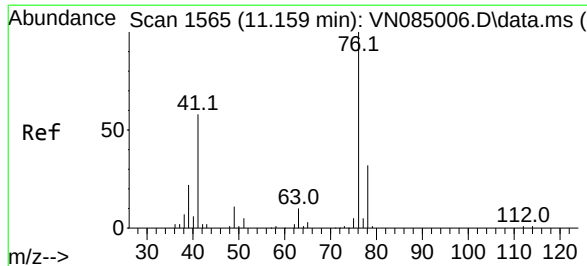
Ion Ratio Lower Upper

69 100

41 62.5 50.0 75.0

39 33.8 27.0 40.6





#57

1,3-Dichloropropane

Concen: 49.800 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085006.D

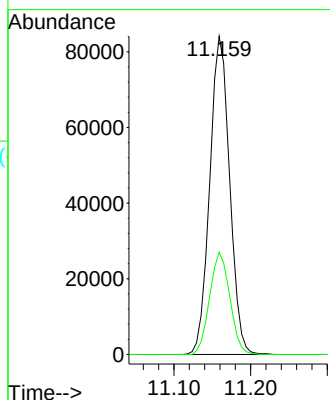
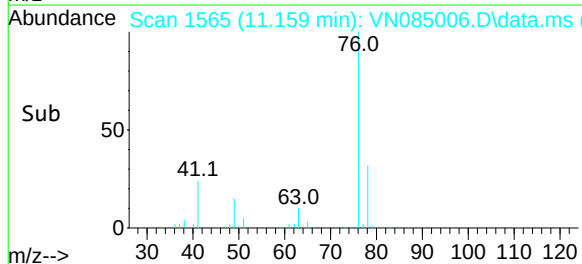
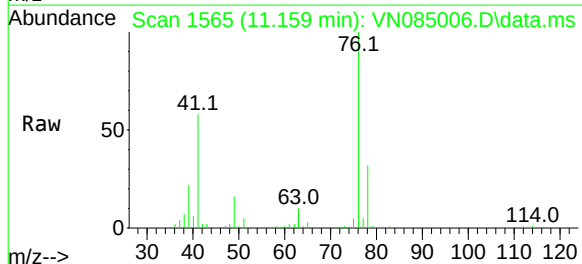
Acq: 22 Nov 2024 11:46

Tgt Ion: 76 Resp: 151573

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



Instrument :

MSVOA_N

ClientSampleId :

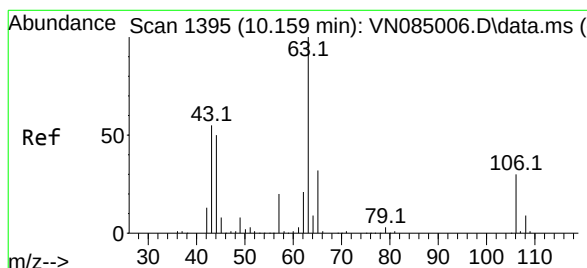
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 297.030 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085006.D

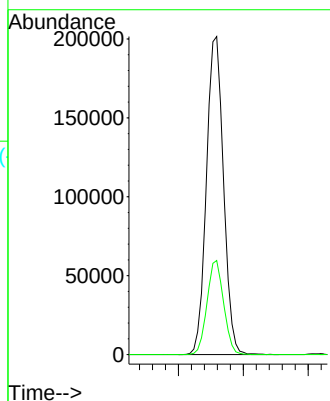
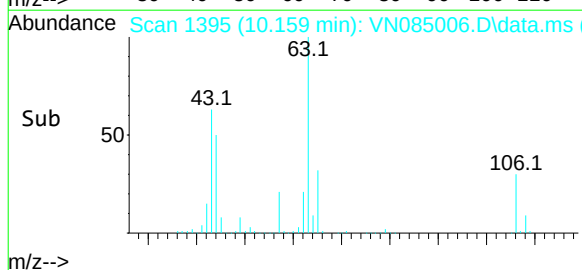
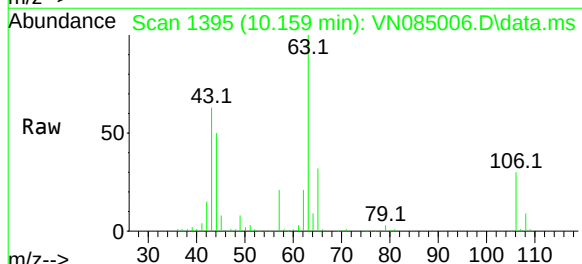
Acq: 22 Nov 2024 11:46

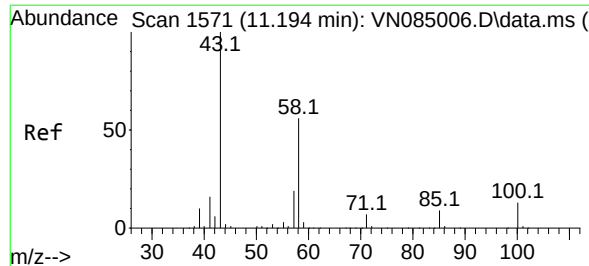
Tgt Ion: 63 Resp: 368190

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 265.165 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN085006.D

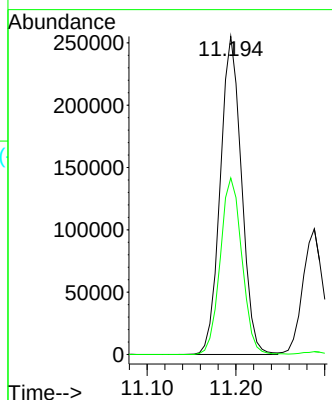
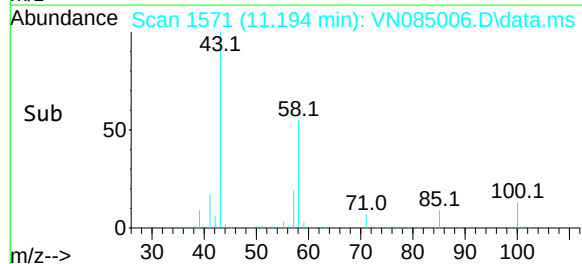
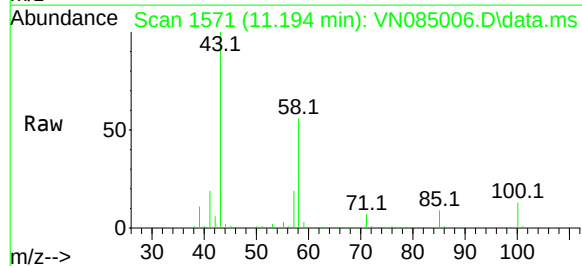
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 424152

Ion Ratio Lower Upper

43 100

58 56.7 28.3 85.0



Instrument :

MSVOA_N

ClientSampleId :

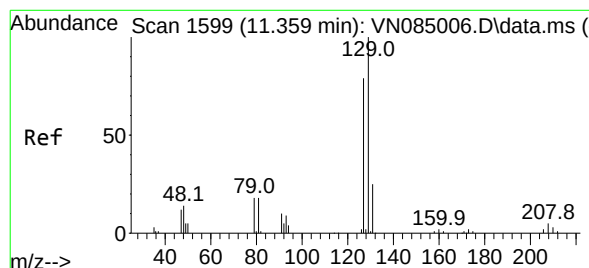
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 49.538 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. 0.000 min

Lab File: VN085006.D

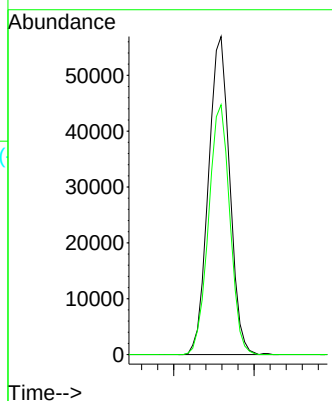
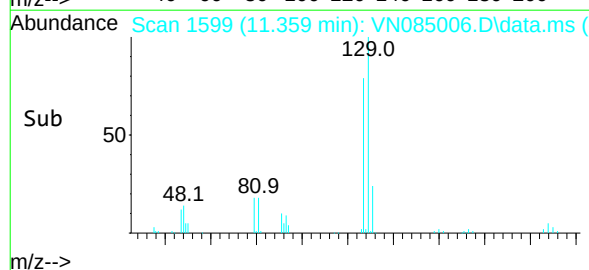
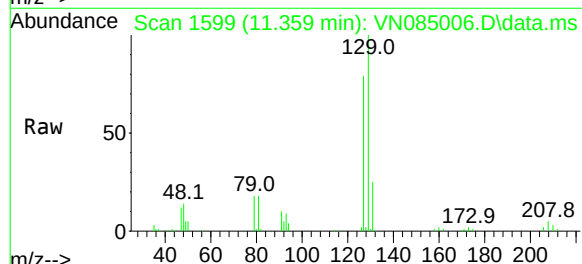
Acq: 22 Nov 2024 11:46

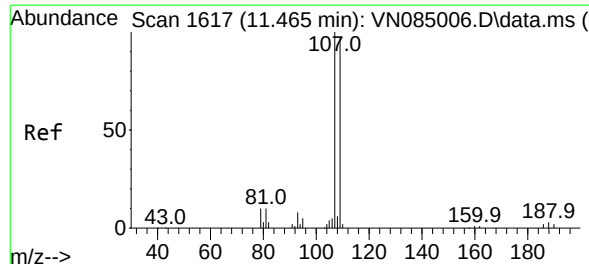
Tgt Ion:129 Resp: 104699

Ion Ratio Lower Upper

129 100

127 78.4 39.2 117.6





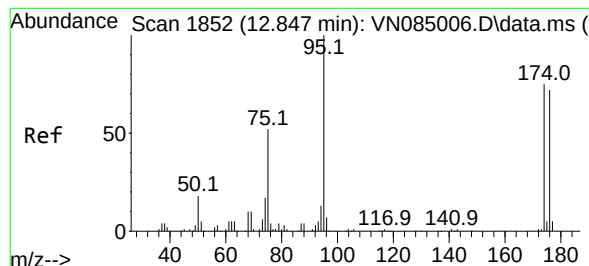
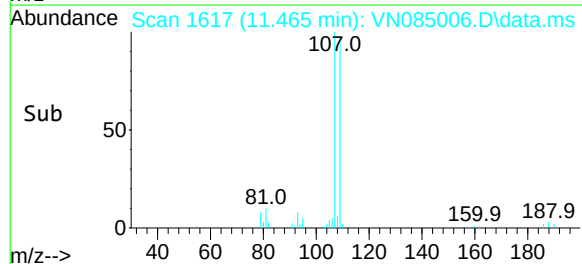
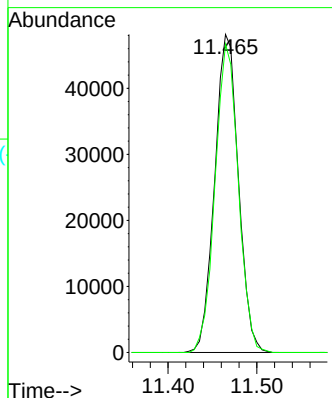
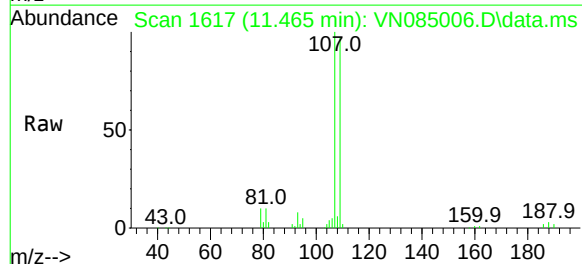
#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 89471
Ion Ratio Lower Upper
107 100
109 95.1 76.1 114.1

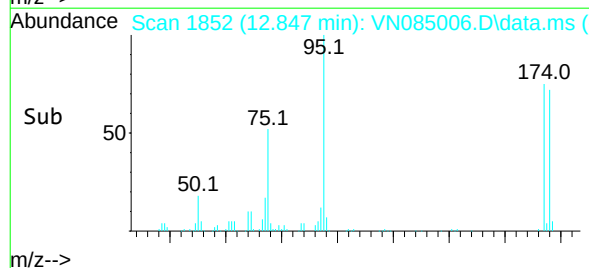
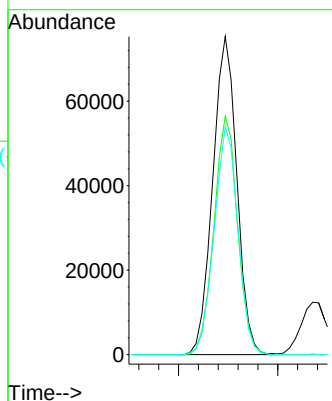
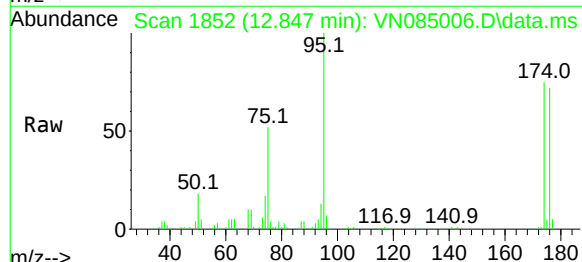
Manual Integrations
APPROVED

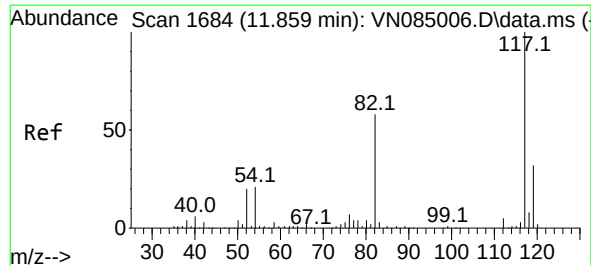
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840
Ion Ratio Lower Upper
95 100
174 73.3 0.0 146.6
176 70.9 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1684

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 232158

Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

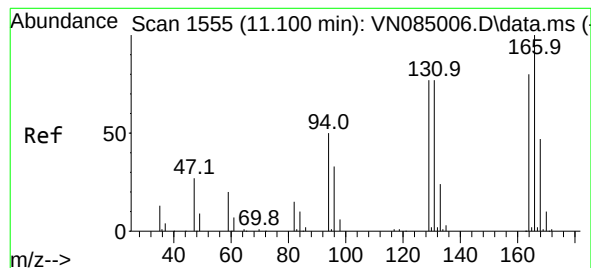
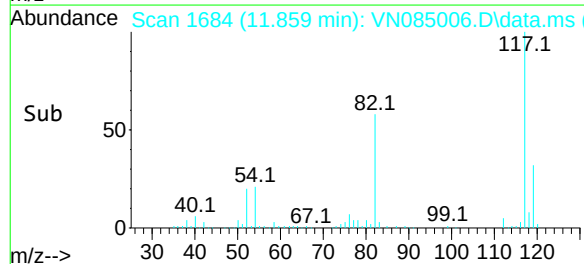
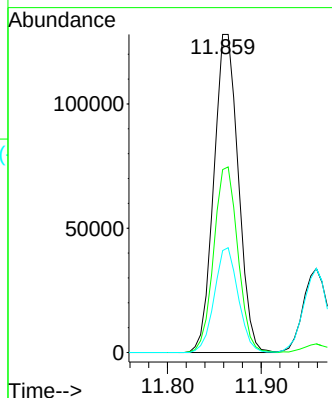
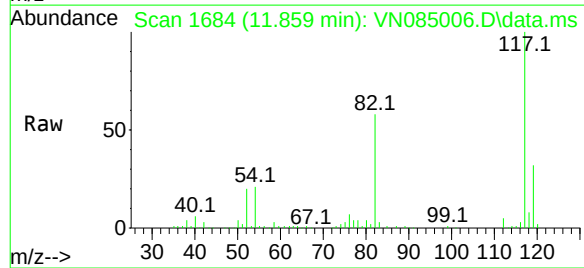
119 32.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 48.747 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

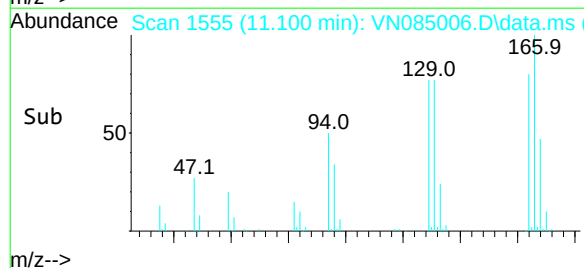
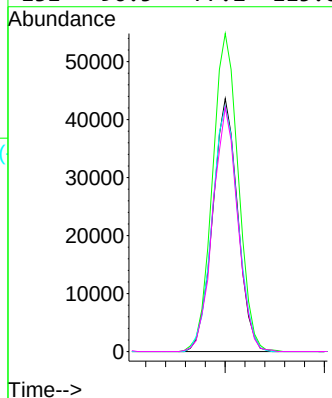
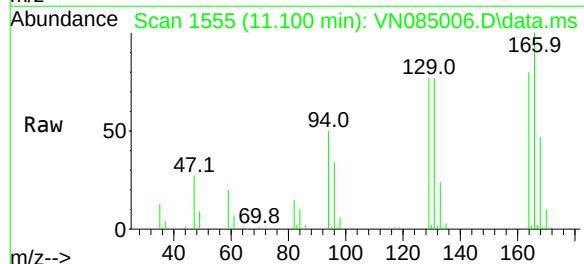
Ion Ratio Lower Upper

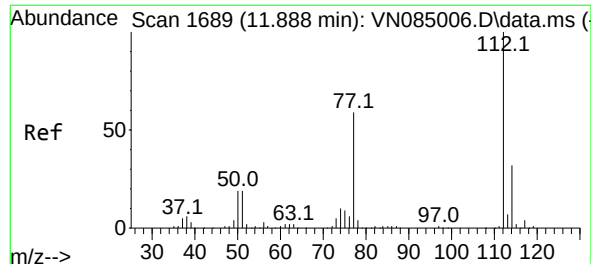
164 100

166 125.8 100.6 151.0

129 97.1 77.7 116.5

131 96.5 77.2 115.8





#65

Chlorobenzene

Concen: 48.041 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 252937

Ion Ratio Lower Upper

112 100

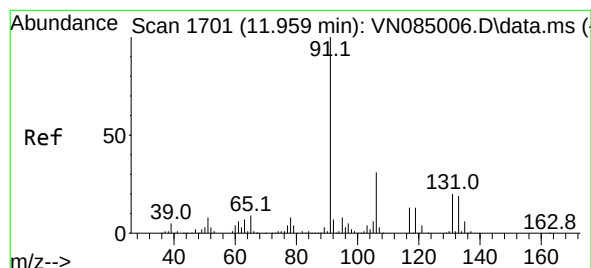
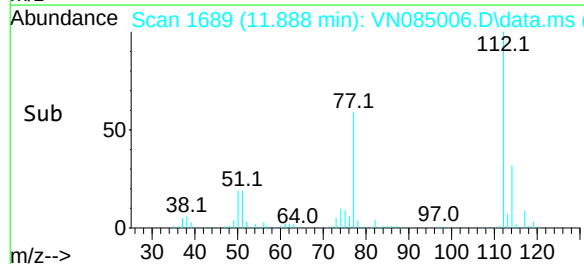
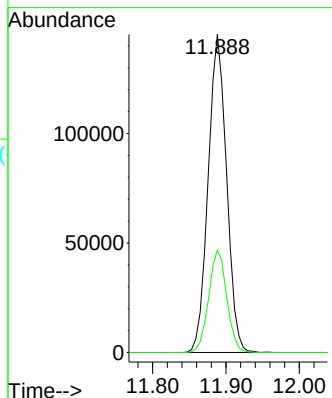
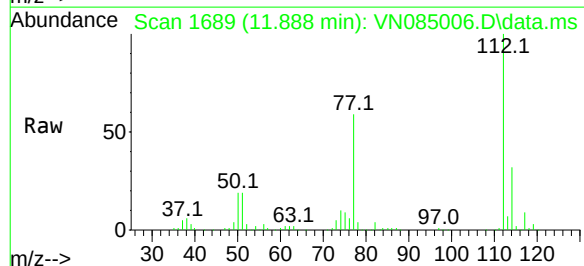
114 32.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 49.785 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

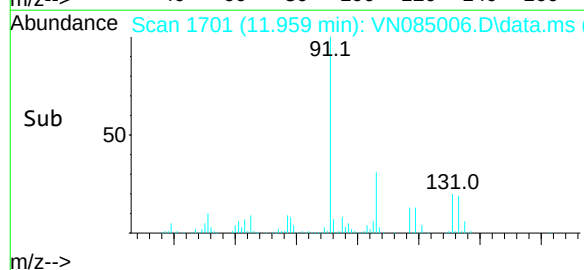
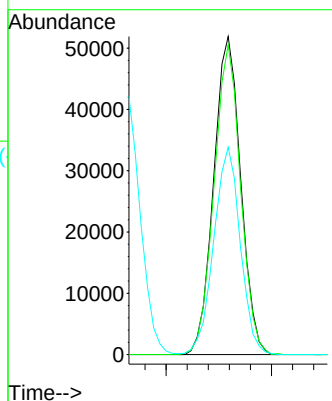
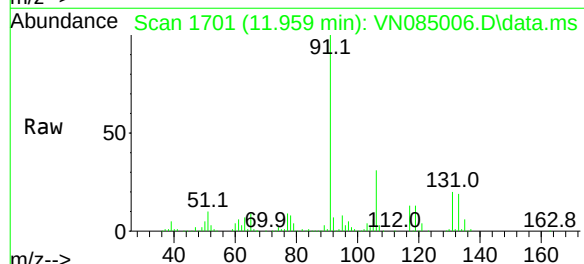
Tgt Ion:131 Resp: 92289

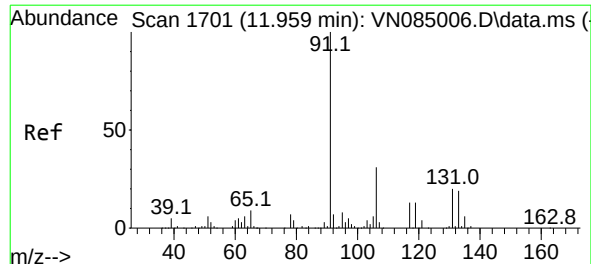
Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.4

119 64.2 32.1 96.3





#67

Ethyl Benzene

Concen: 52.856 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 451491

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1

Instrument :

MSVOA_N

ClientSampleId :

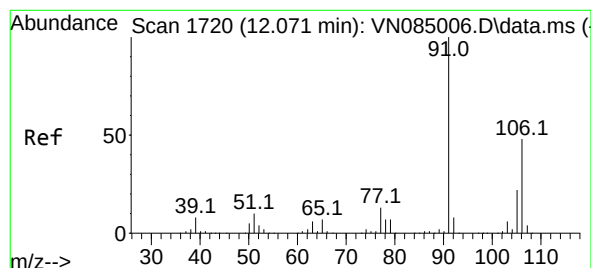
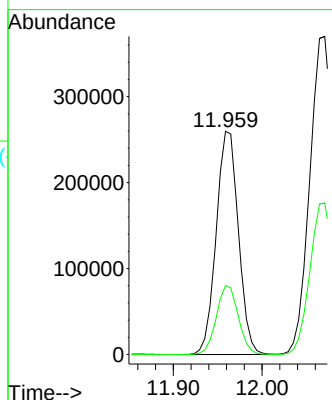
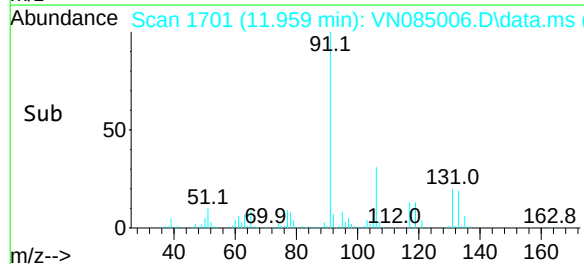
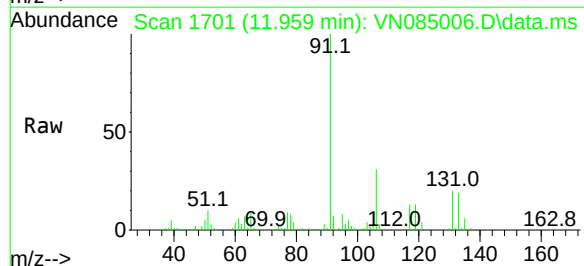
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 105.174 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085006.D

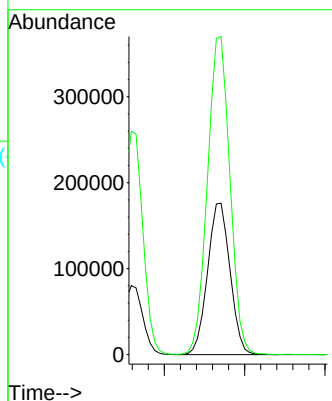
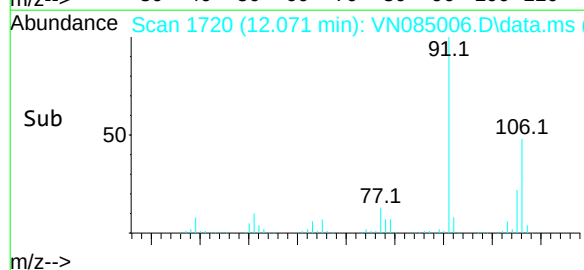
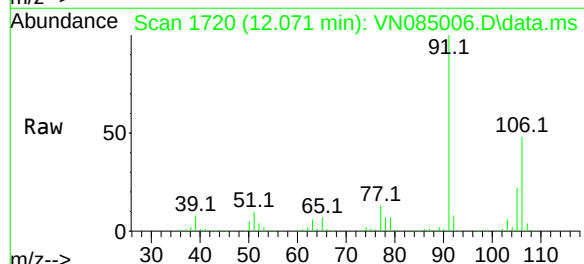
Acq: 22 Nov 2024 11:46

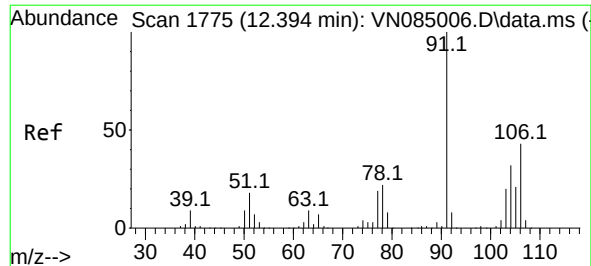
Tgt Ion:106 Resp: 342033

Ion Ratio Lower Upper

106 100

91 210.0 168.0 252.0





#69

o-Xylene

Concen: 53.059 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 164137

Ion Ratio Lower Upper

106 100

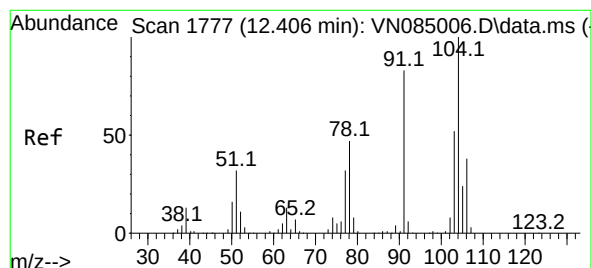
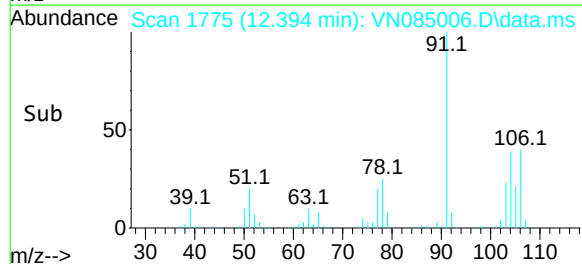
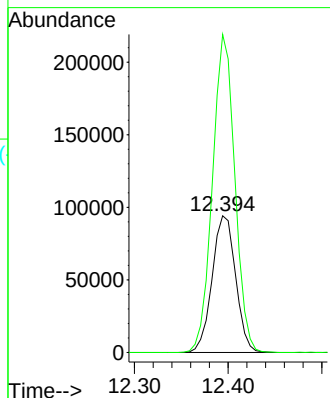
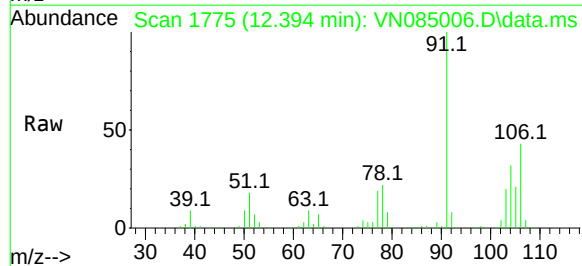
91 221.3 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 53.912 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

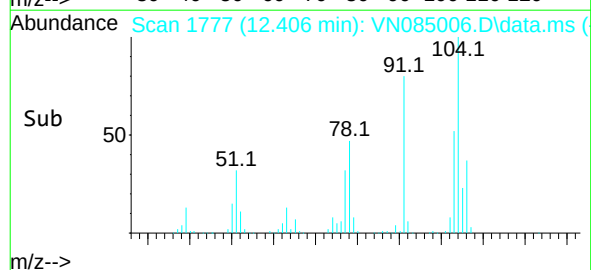
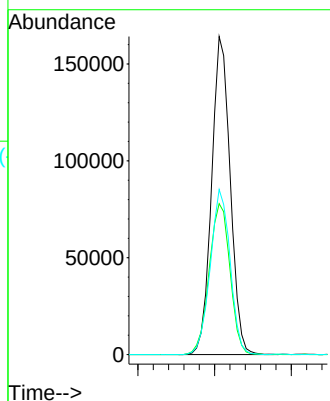
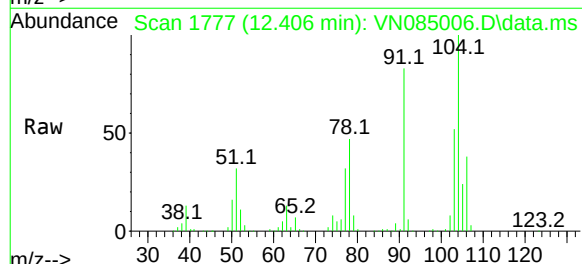
Tgt Ion:104 Resp: 277349

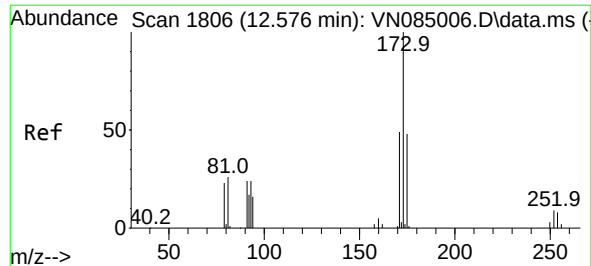
Ion Ratio Lower Upper

104 100

78 52.9 42.3 63.5

103 55.2 44.2 66.2





#71

Bromoform

Concen: 52.221 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

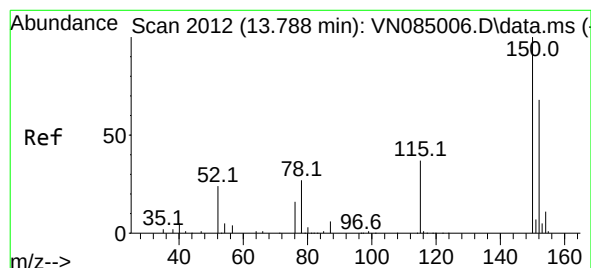
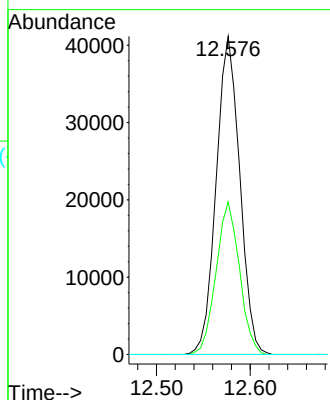
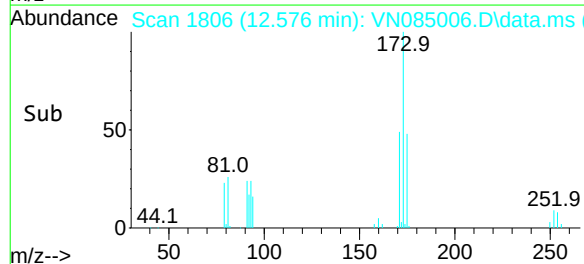
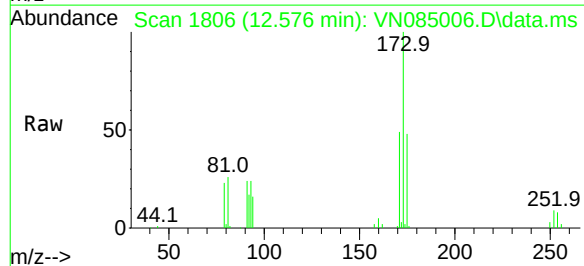
ClientSampleId :

VSTDICCC050

Tgt Ion:	173	Resp:	71858
Ion Ratio	Lower	Upper	
173	100		
175	47.5	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

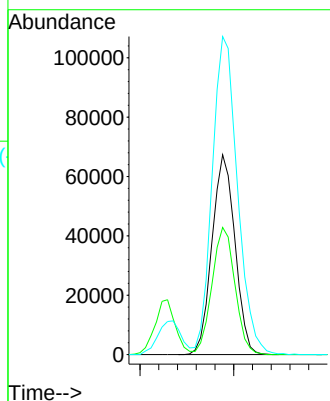
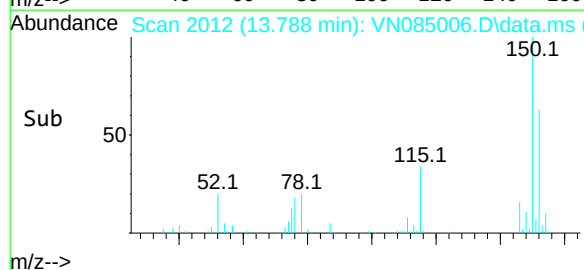
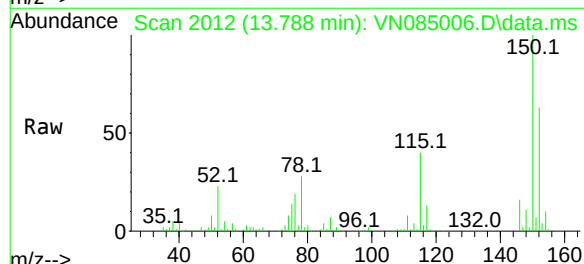
RT: 13.788 min Scan# 2012

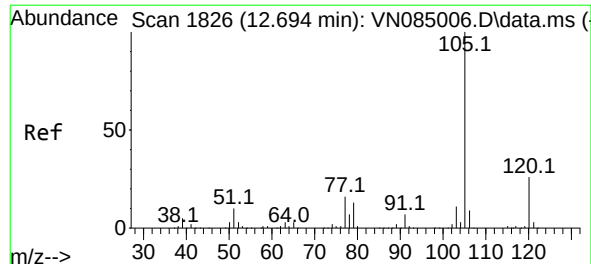
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	152	Resp:	114469
Ion Ratio	Lower	Upper	
152	100		
115	63.4	31.7	95.1
150	175.7	0.0	351.4





#73

Isopropylbenzene

Concen: 51.479 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 415716

Ion Ratio Lower Upper

105 100

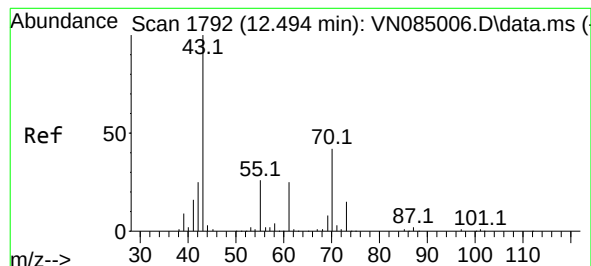
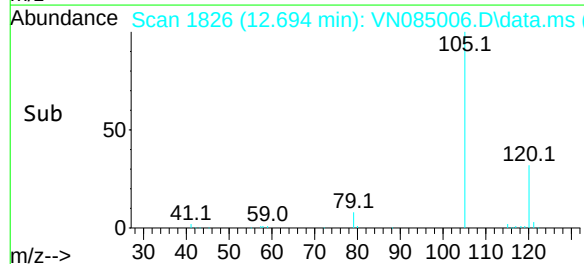
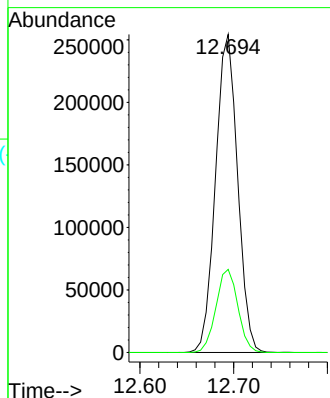
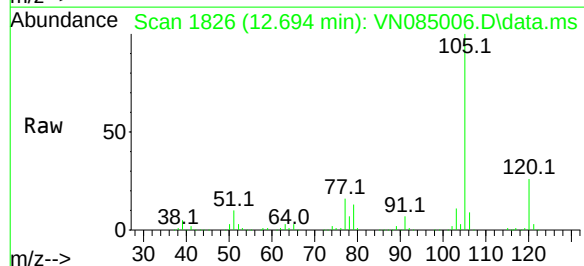
120 26.0 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 53.396 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

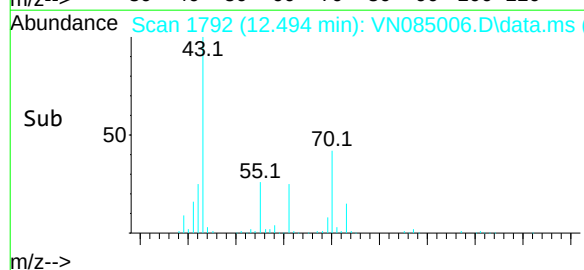
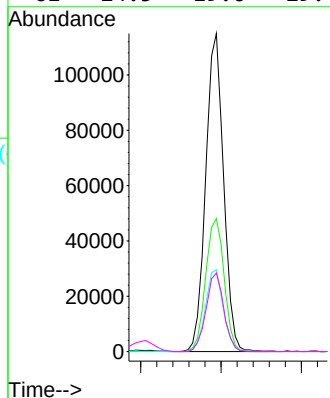
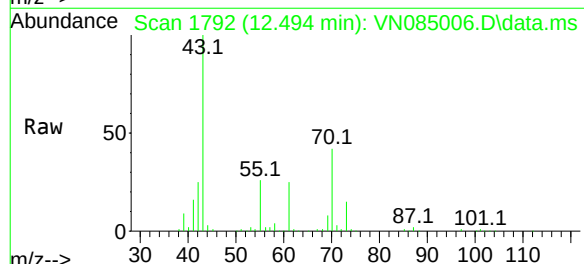
Ion Ratio Lower Upper

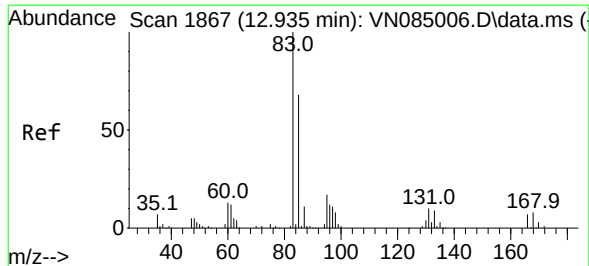
43 100

70 43.2 34.6 51.8

55 25.6 20.5 30.7

61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.771 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

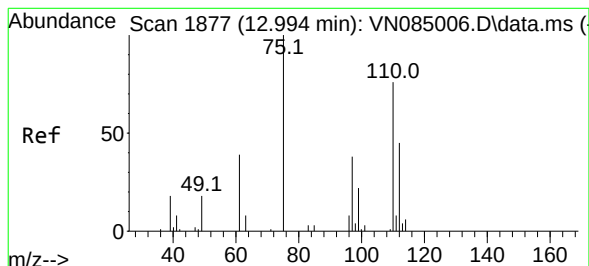
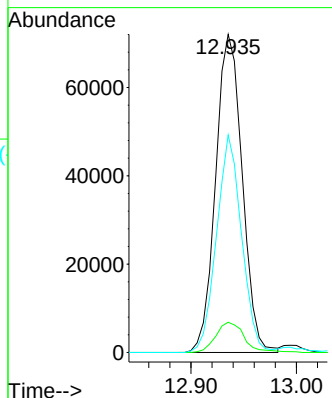
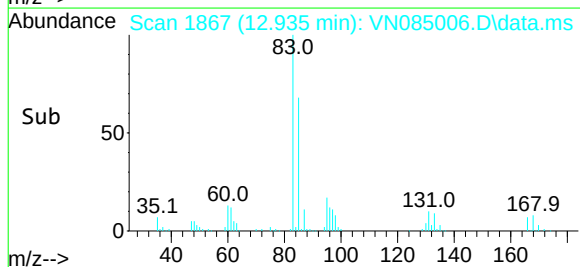
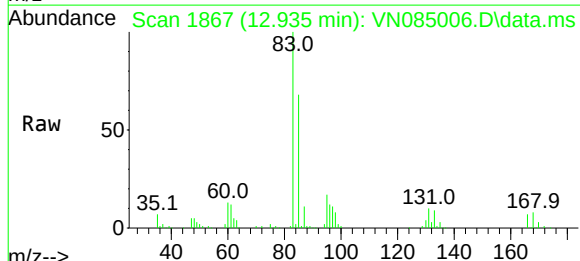
Tgt Ion:	83	Resp:	126215
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.4
85	64.2	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 48.246 ug/l m

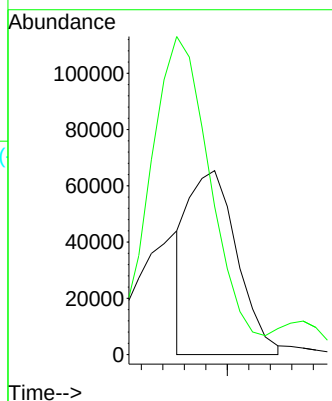
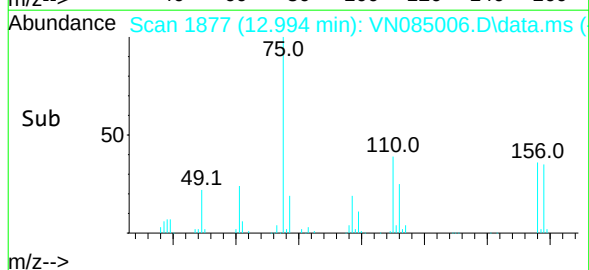
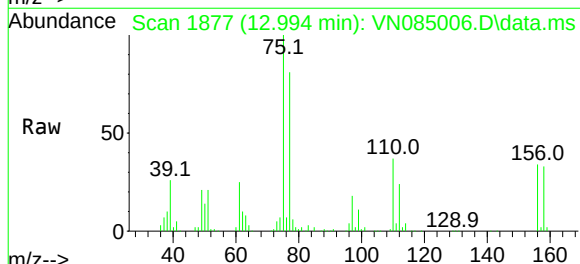
RT: 12.994 min Scan# 1877

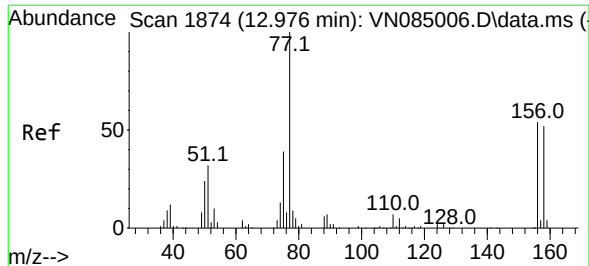
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	75	Resp:	103311
Ion	Ratio	Lower	Upper
75	100		
77	218.3	109.1	327.4





#77

Bromobenzene

Concen: 48.402 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 156 Resp: 105184

Ion Ratio Lower Upper

156 100

77 214.4 107.2 321.6

158 97.1 48.5 145.6

Instrument :

MSVOA_N

ClientSampleId :

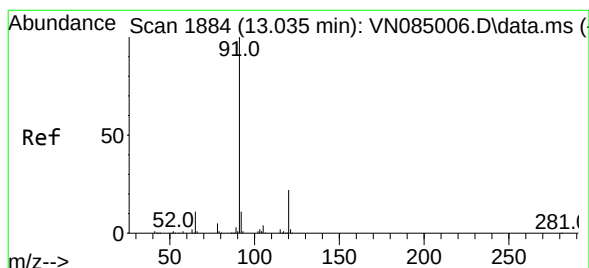
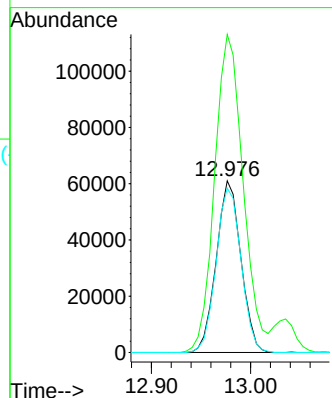
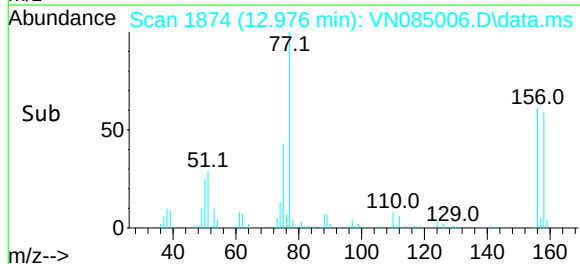
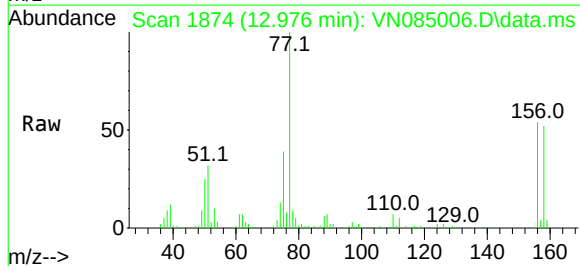
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 52.059 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN085006.D

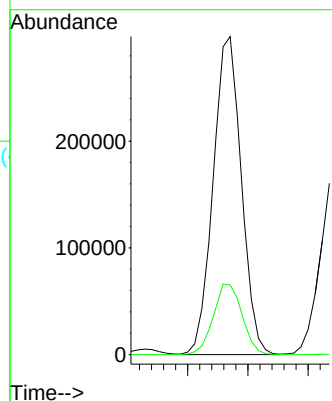
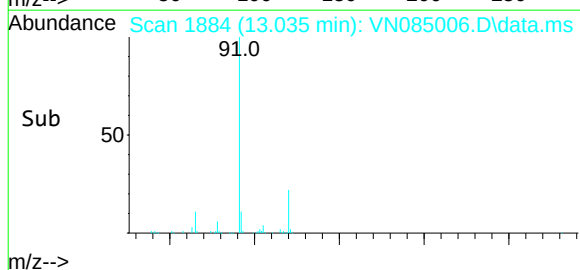
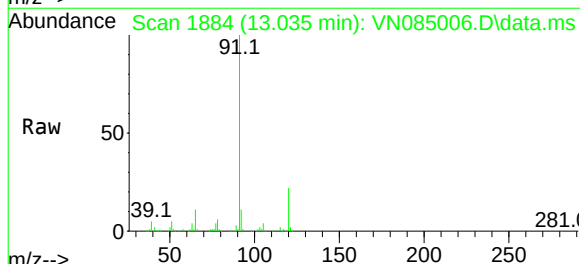
Acq: 22 Nov 2024 11:46

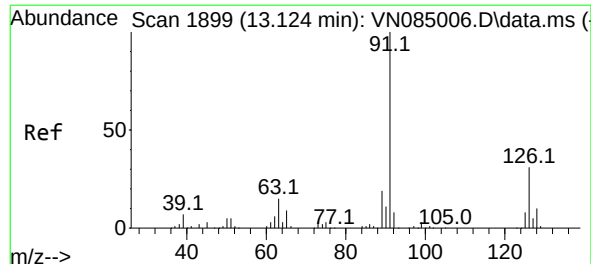
Tgt Ion: 91 Resp: 484892

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 49.174 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 305747

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3

Instrument :

MSVOA_N

ClientSampleId :

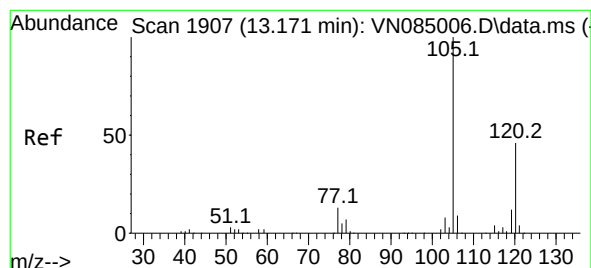
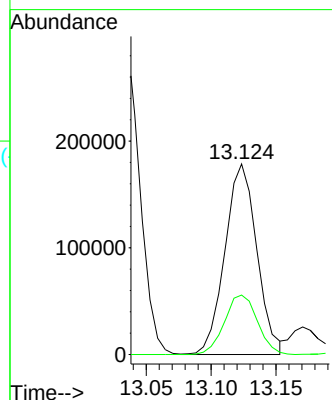
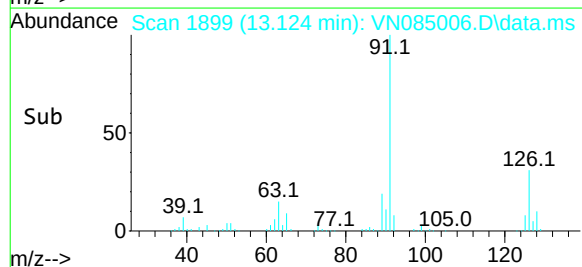
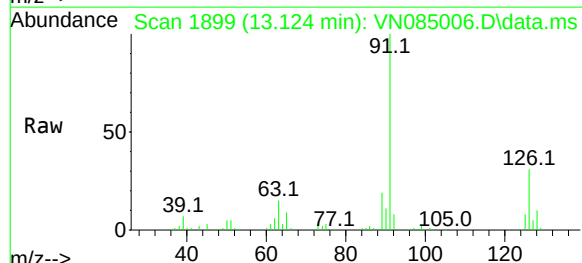
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 53.145 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085006.D

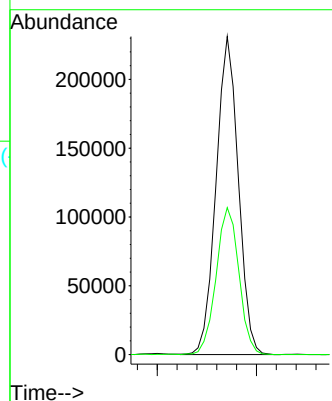
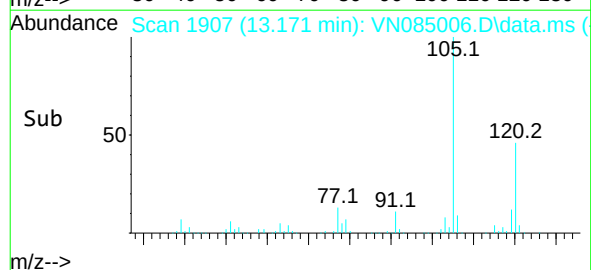
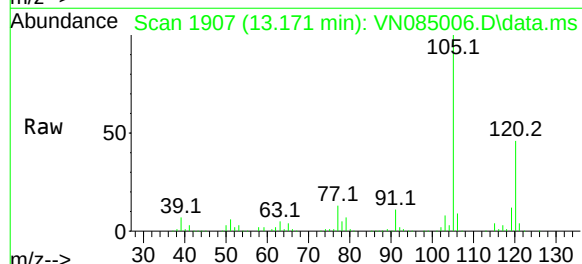
Acq: 22 Nov 2024 11:46

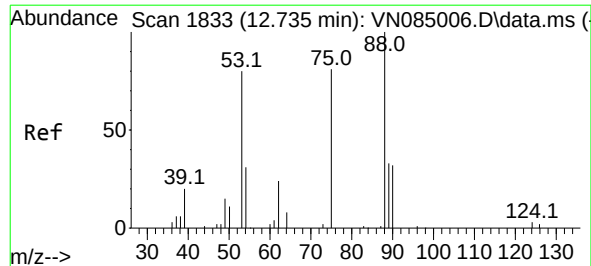
Tgt Ion:105 Resp: 360125

Ion Ratio Lower Upper

105 100

120 47.3 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.990 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

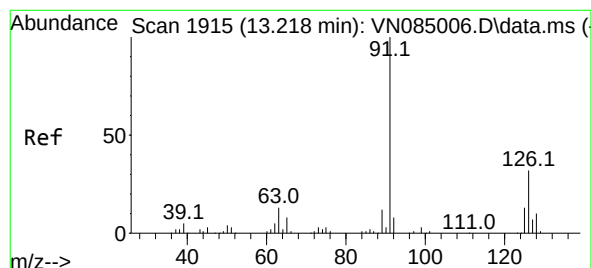
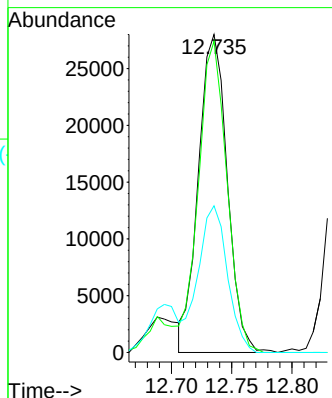
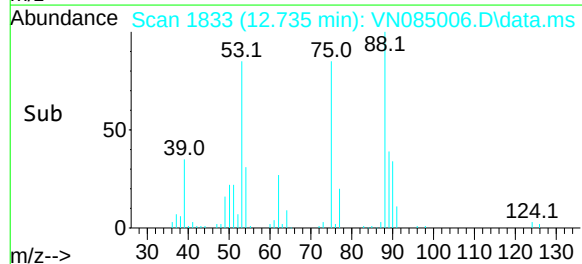
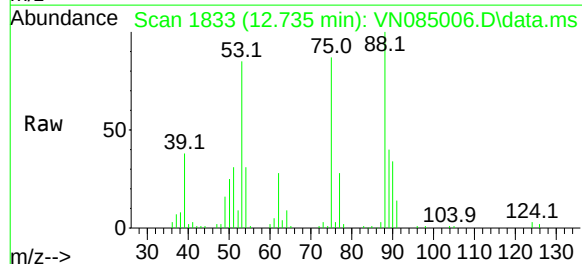
Tgt Ion:	75	Resp:	46724
Ion	Ratio	Lower	Upper
75	100		
53	97.8	78.2	117.4
89	47.4	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 49.063 ug/l

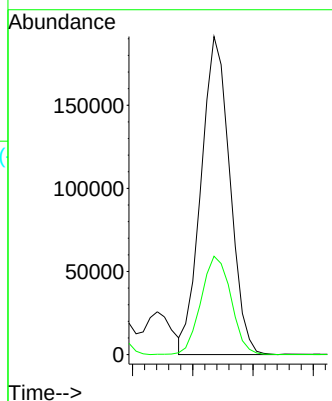
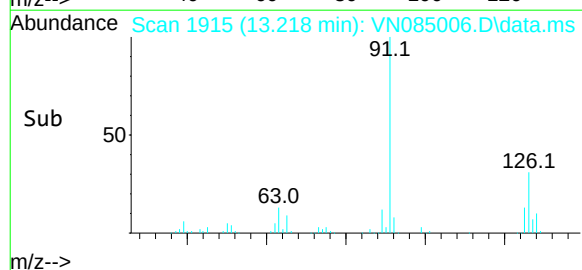
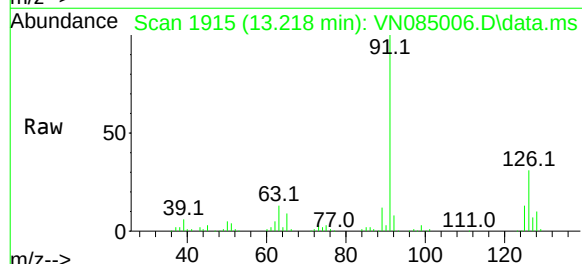
RT: 13.218 min Scan# 1915

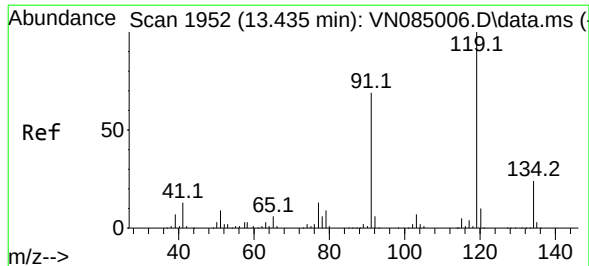
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	91	Resp:	317569
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.1	48.3





#83

tert-Butylbenzene

Concen: 51.657 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 301180

Ion Ratio Lower Upper

119 100

91 70.3 35.1 105.5

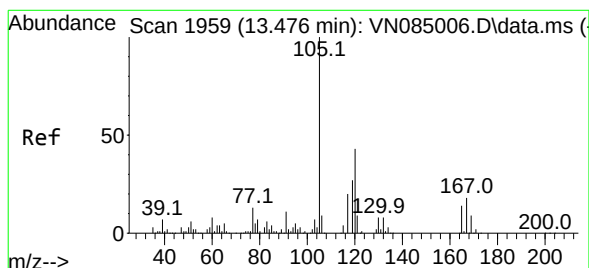
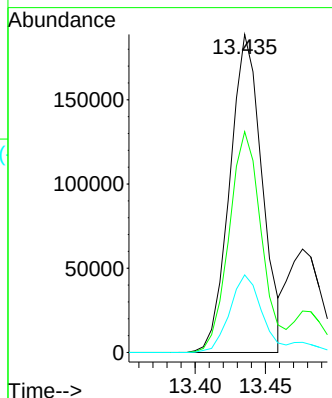
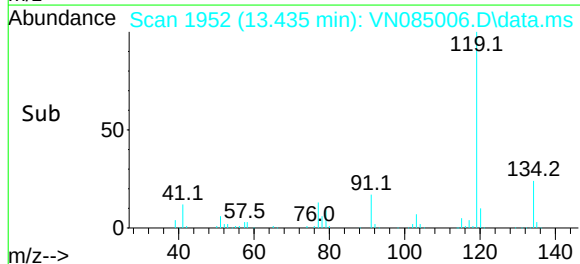
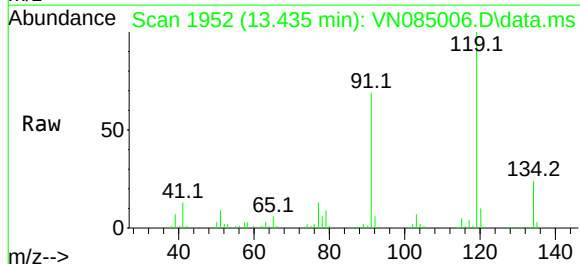
134 24.2 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 53.195 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085006.D

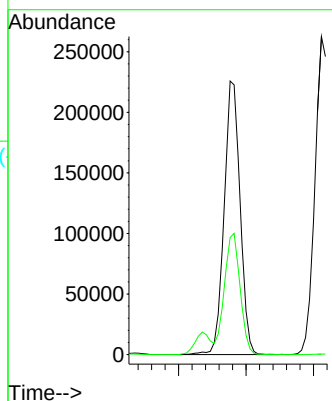
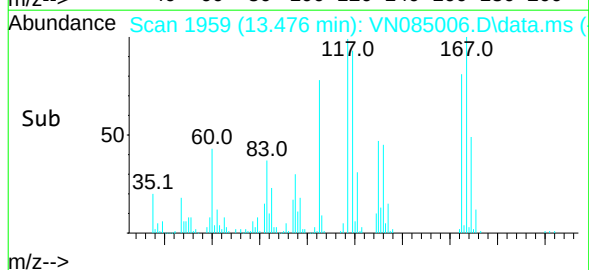
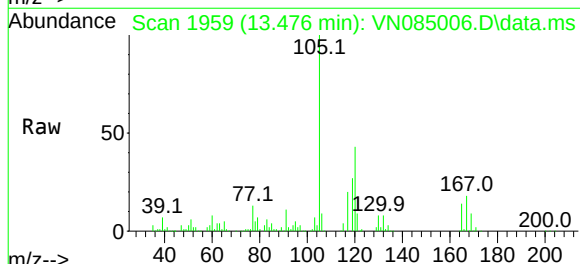
Acq: 22 Nov 2024 11:46

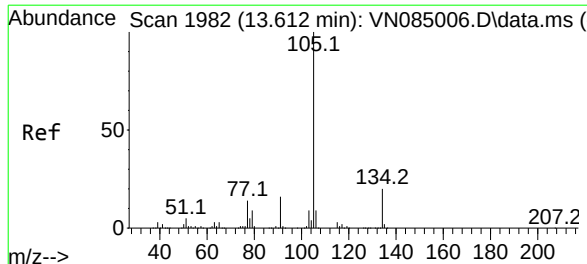
Tgt Ion:105 Resp: 371046

Ion Ratio Lower Upper

105 100

120 43.6 21.8 65.4





#85

sec-Butylbenzene

Concen: 53.296 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 419761

Ion Ratio Lower Upper

105 100

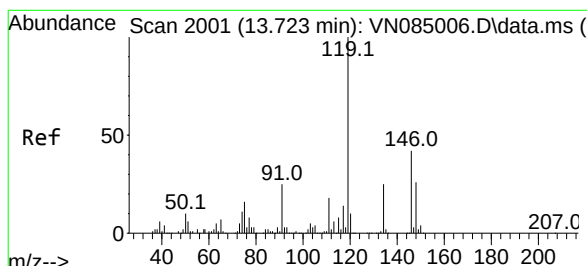
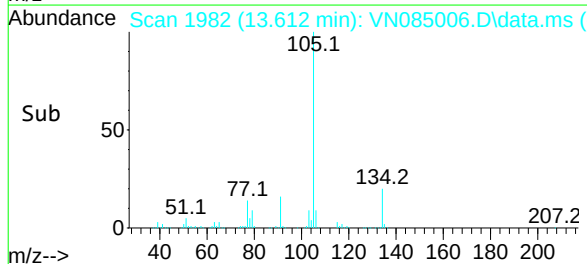
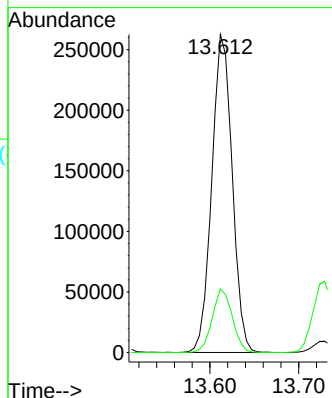
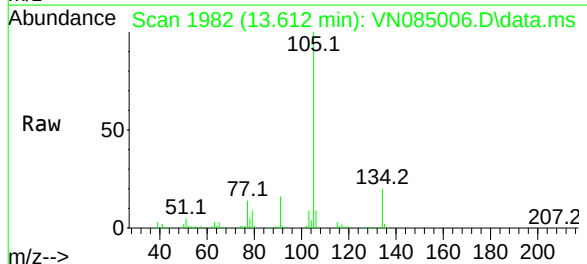
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 54.443 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

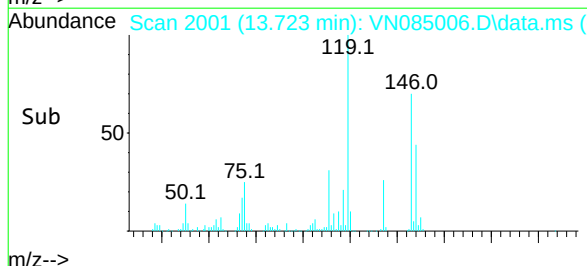
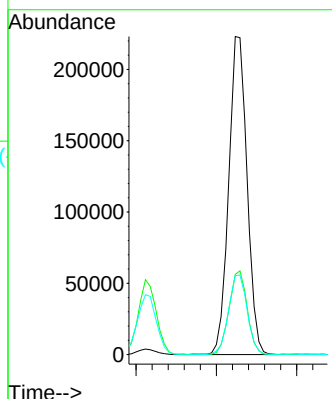
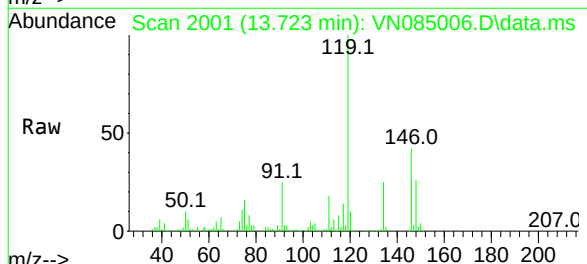
Tgt Ion:119 Resp: 353974

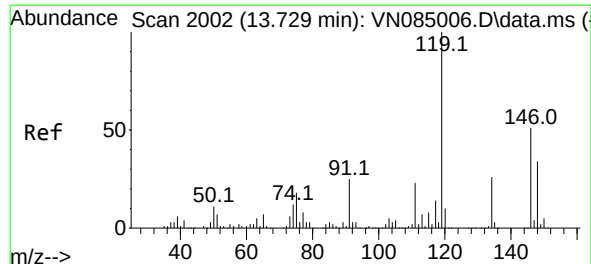
Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 45.855 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 196552

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

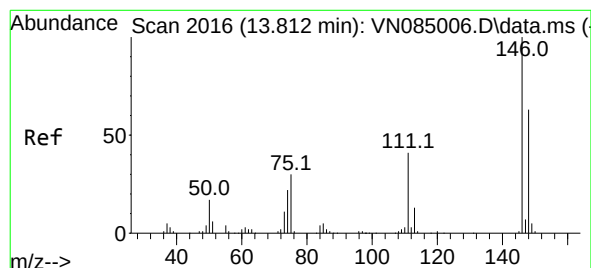
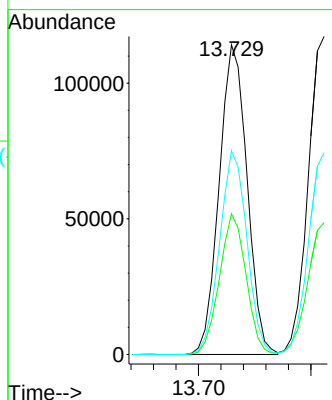
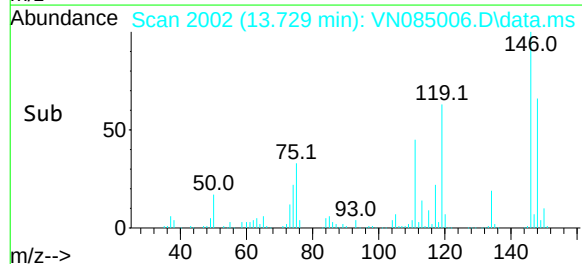
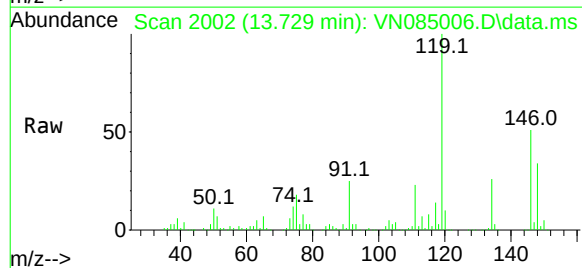
148 64.4 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 46.058 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

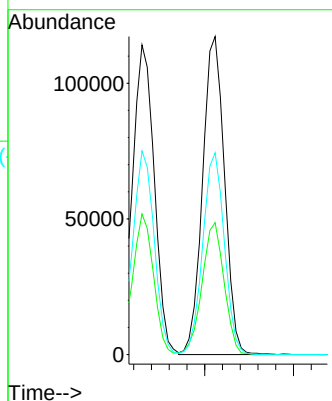
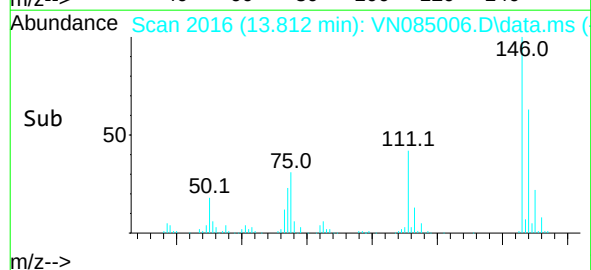
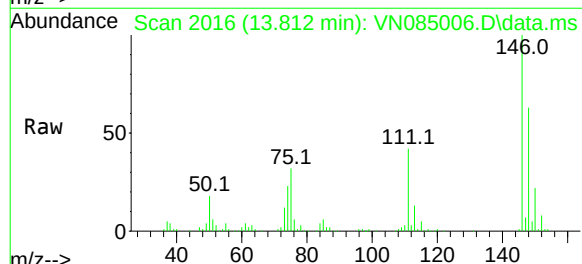
Tgt Ion:146 Resp: 201469

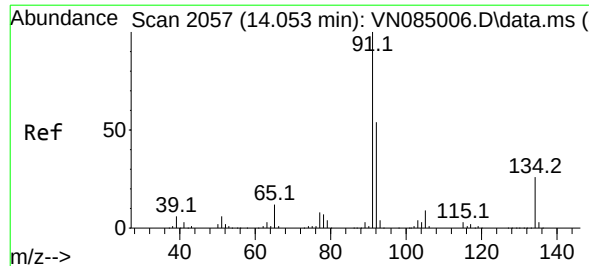
Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.8

148 62.6 31.3 93.9





#89

n-Butylbenzene

Concen: 50.564 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

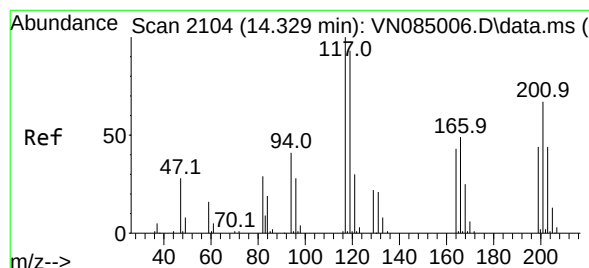
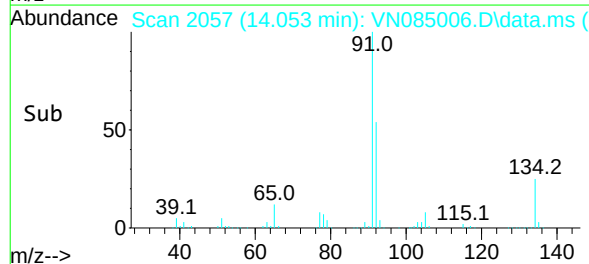
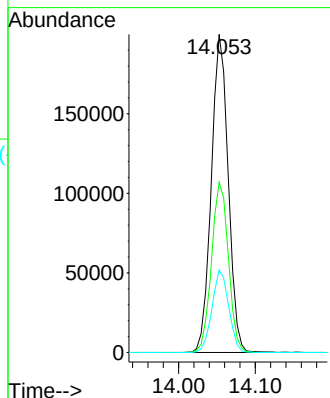
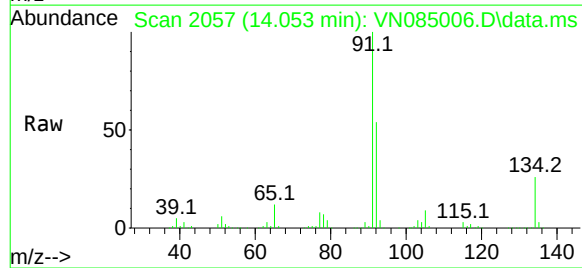
ClientSampleId :

VSTDICCC050

Tgt Ion:	91	Resp:	305730
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.6	12.8	38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 49.001 ug/l

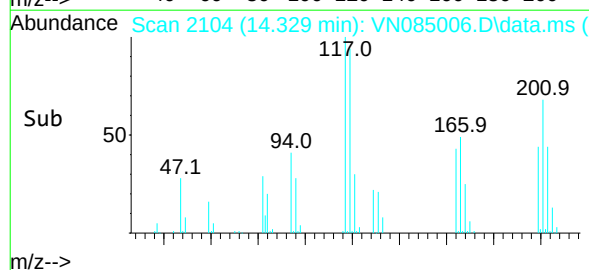
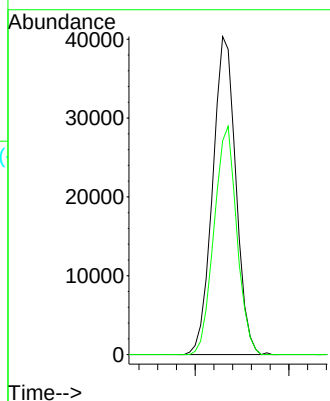
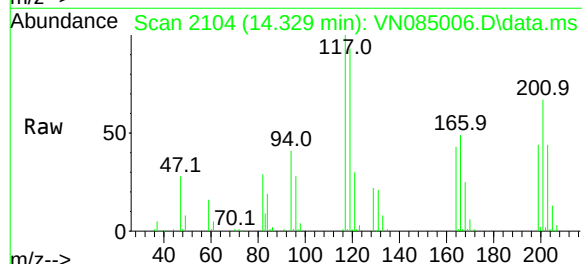
RT: 14.329 min Scan# 2104

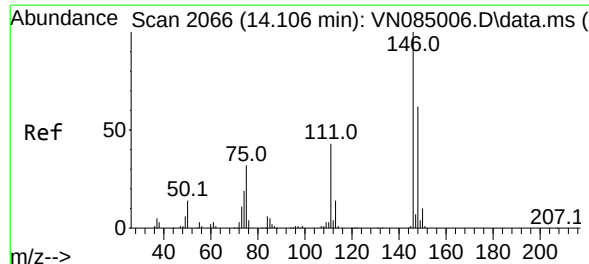
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	117	Resp:	69444
Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 47.019 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

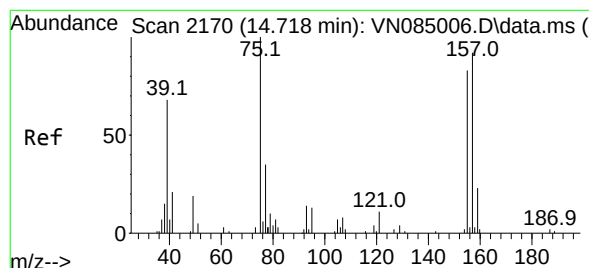
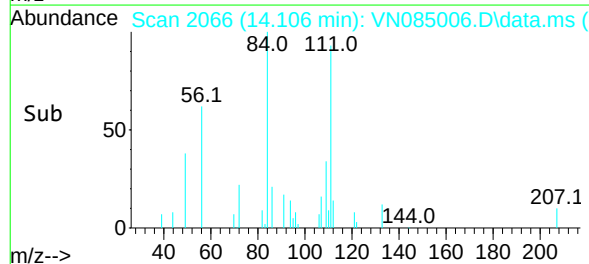
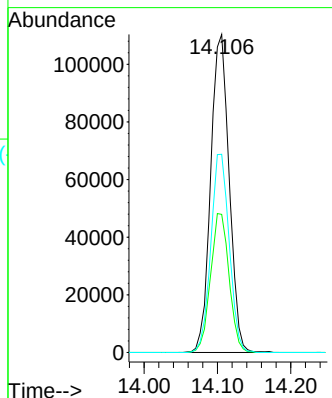
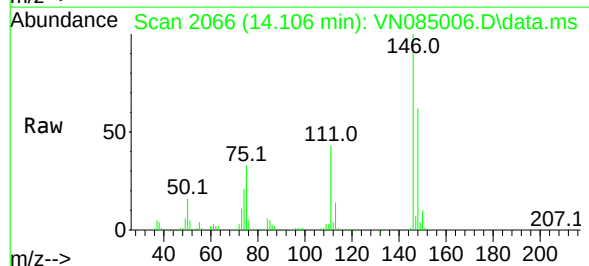
ClientSampleId :

VSTDICCC050

Tgt Ion:	146	Resp:	193123
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	62.1	31.1	93.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.995 ug/l

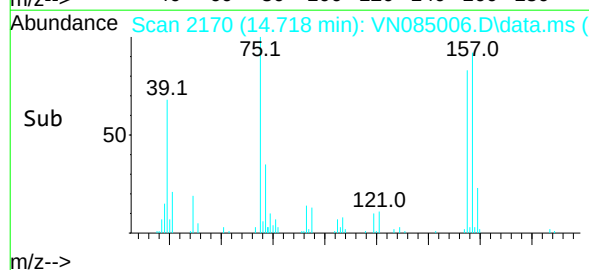
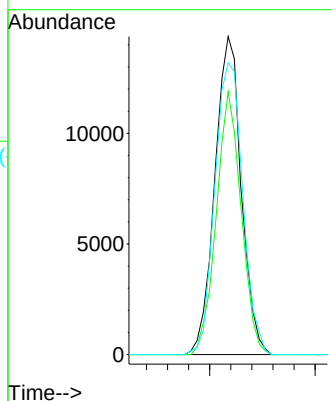
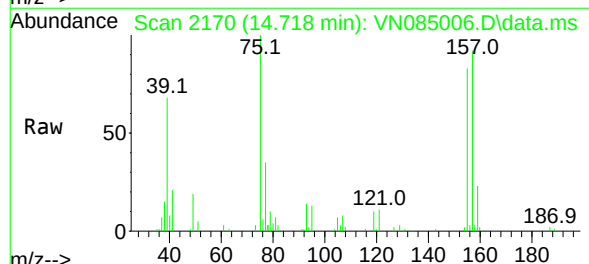
RT: 14.718 min Scan# 2170

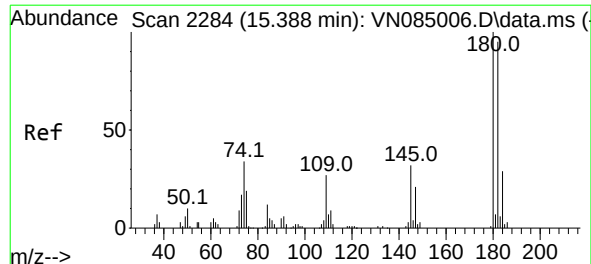
Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	75	Resp:	25059
Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	96.6	48.3	144.9





#93

1,2,4-Trichlorobenzene

Concen: 46.278 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 103265

Ion Ratio Lower Upper

180 100

182 93.9 46.9 140.8

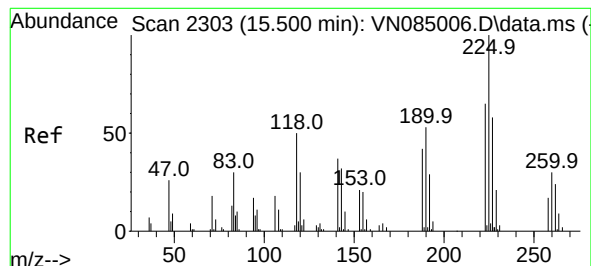
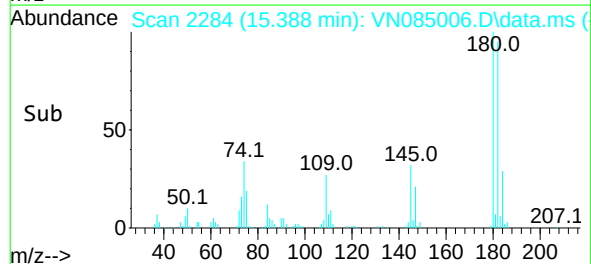
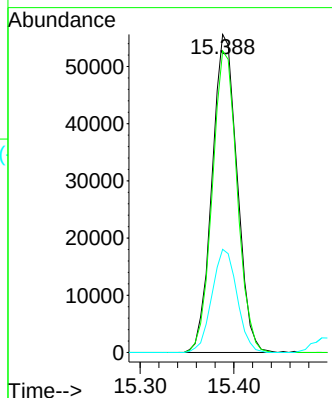
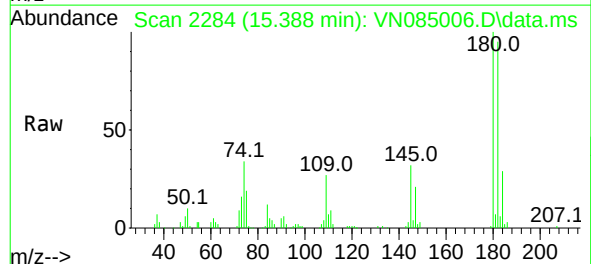
145 32.5 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 44.848 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

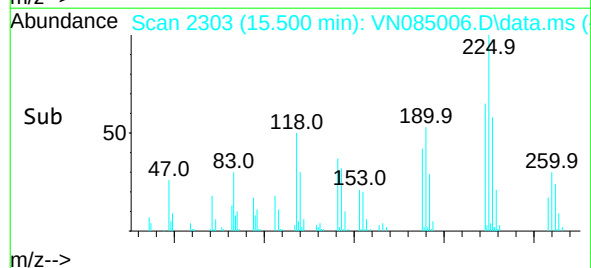
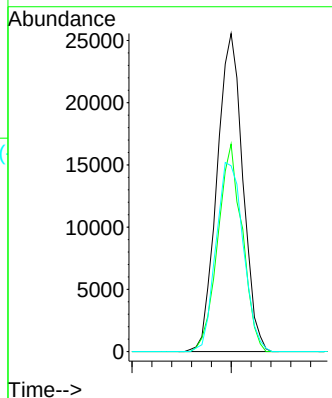
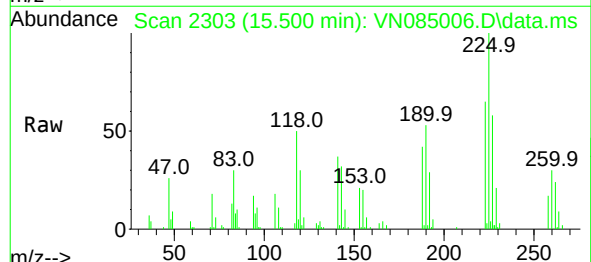
Tgt Ion:225 Resp: 46186

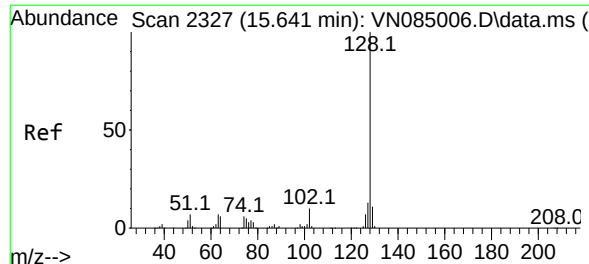
Ion Ratio Lower Upper

225 100

223 61.9 30.9 92.8

227 63.0 31.5 94.5





#95

Naphthalene

Concen: 51.063 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

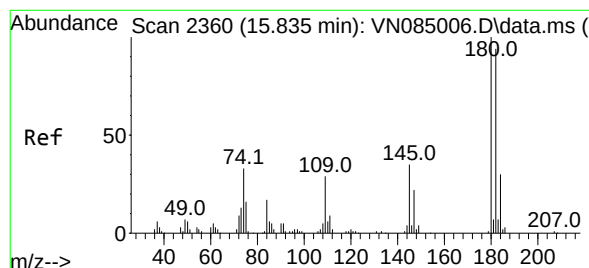
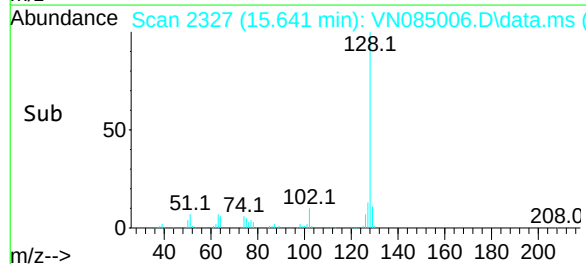
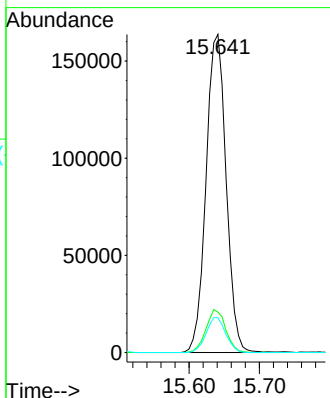
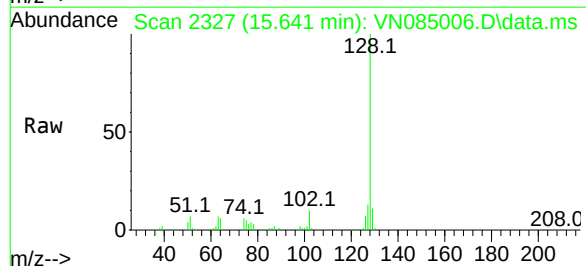
VSTDICCC050

Tgt Ion:	128	Resp:	324523
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 48.269 ug/l

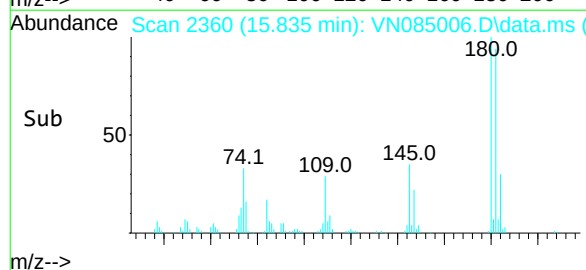
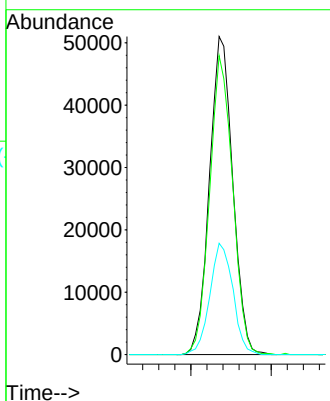
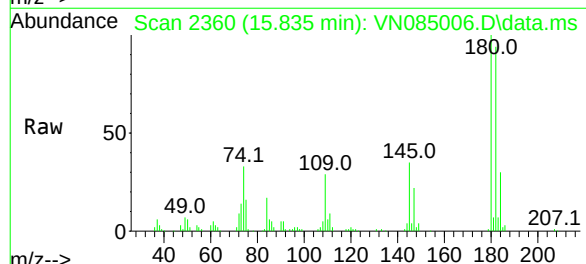
RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:	180	Resp:	102772
Ion	Ratio	Lower	Upper
180	100		
182	92.8	46.4	139.2
145	34.7	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	36.960%#
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	36.940%#
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	38.140%#
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	37.600%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l	99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l	99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l	98
44) Trichloroethene	9.347	130	38334	20.127	ug/l	96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l	96
46) Dibromomethane	9.706	93	28140	20.062	ug/l	98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l	97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l	98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l	99
52) Toluene	10.629	92	100021	20.615	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l	96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l	98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l	100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l	99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l	97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l	99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l	93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l	98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l	98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l	99
69) o-Xylene	12.394	106	66013	20.565	ug/l	97
70) Styrene	12.406	104	113503	21.263	ug/l	99
71) Bromoform	12.576	173	28783	20.159	ug/l #	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l	100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	43650m	19.951	ug/l	
77) Bromobenzene	12.976	156	43298	19.500	ug/l	99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l	99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l	99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l	99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l	99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l	100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l	99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l	100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l	98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l	95
95) Naphthalene	15.641	128	132816	20.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

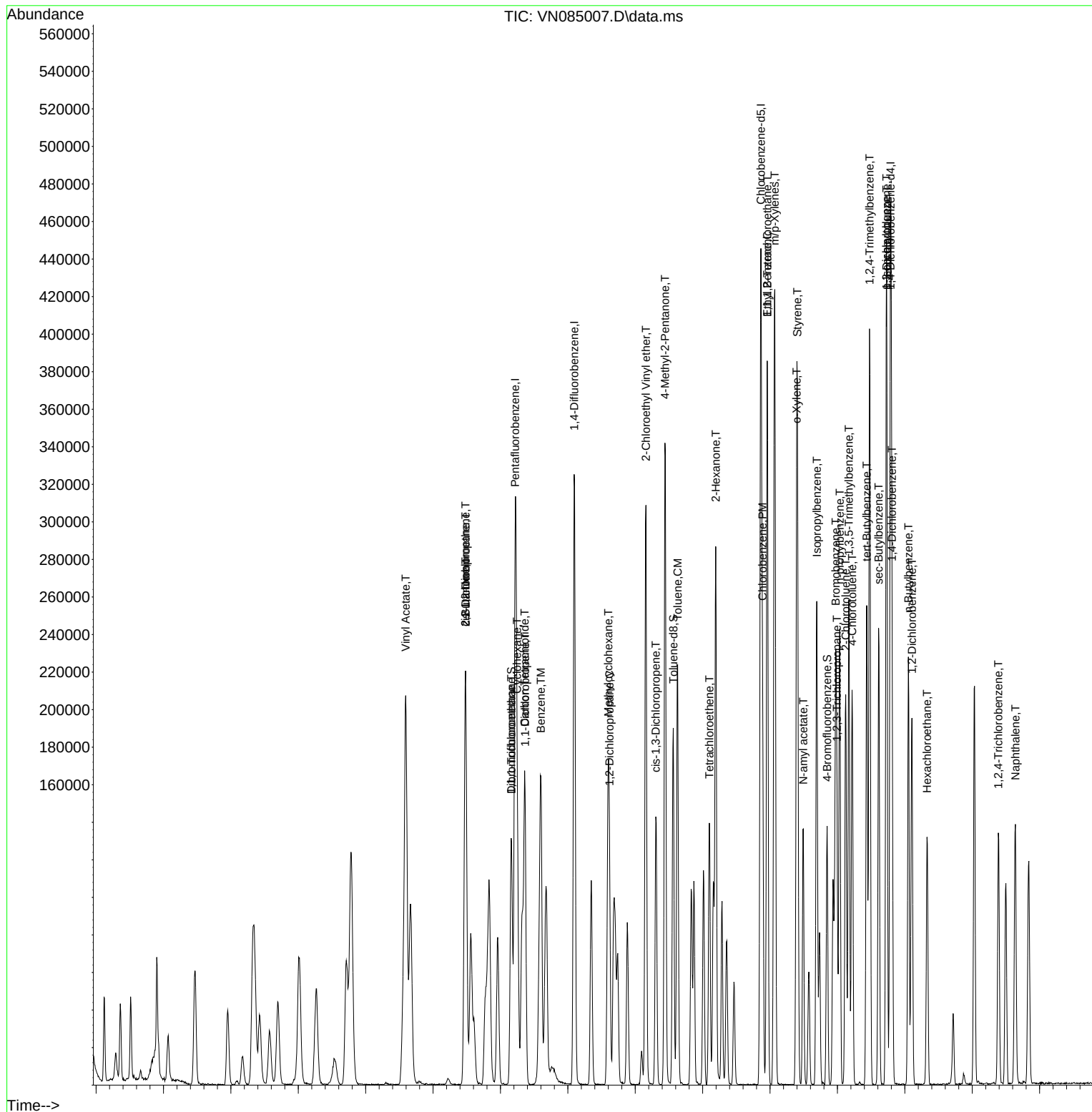
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Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

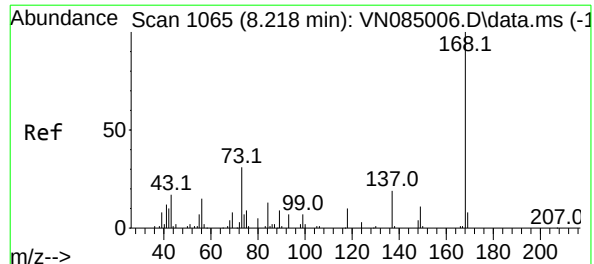
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





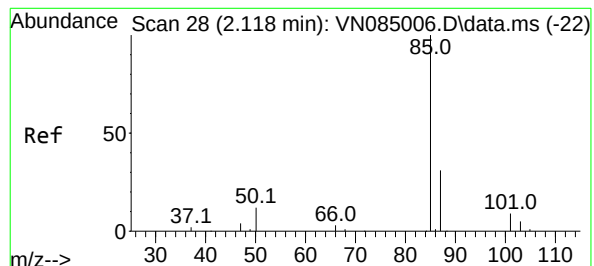
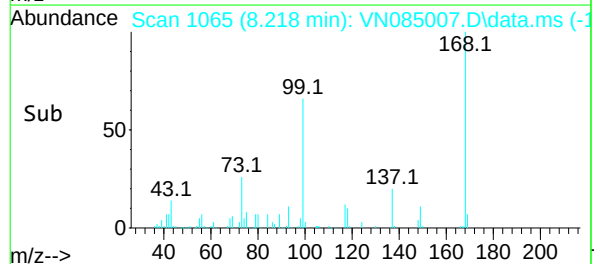
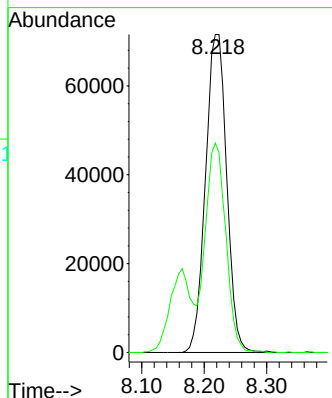
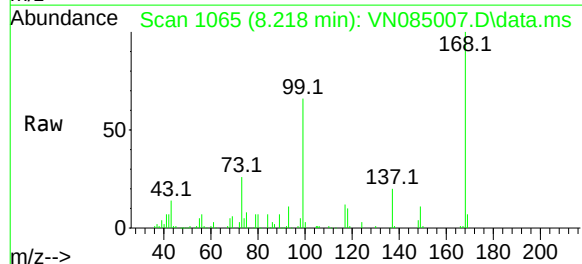
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 168 Resp: 168636
Ion Ratio Lower Upper
168 100
99 65.9 51.2 76.8

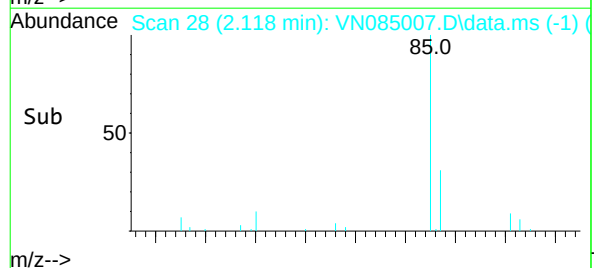
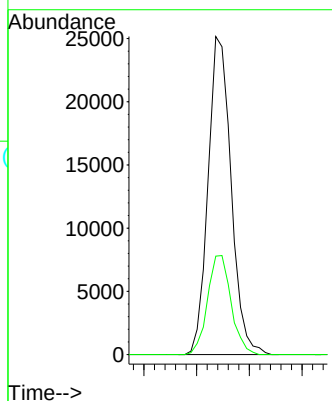
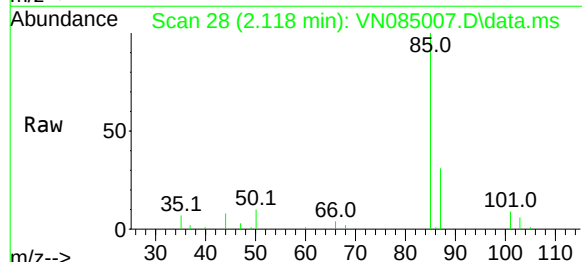
Manual Integrations
APPROVED

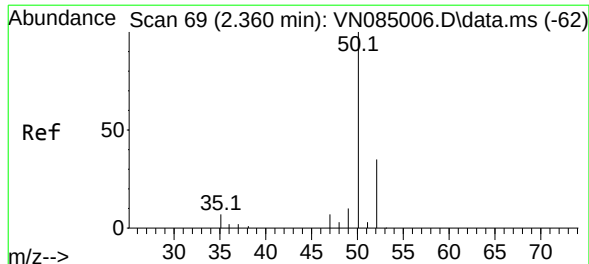
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

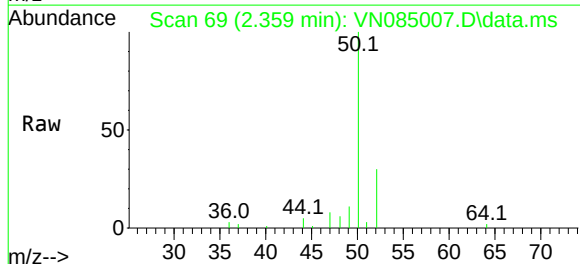
Tgt Ion: 85 Resp: 38229
Ion Ratio Lower Upper
85 100
87 30.9 15.7 47.1





#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

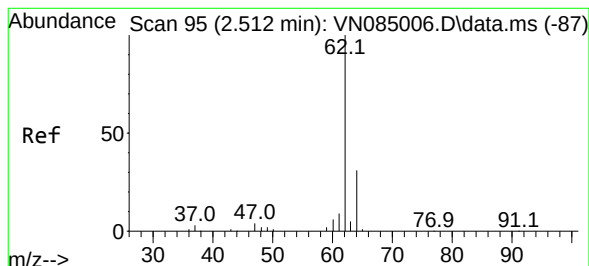
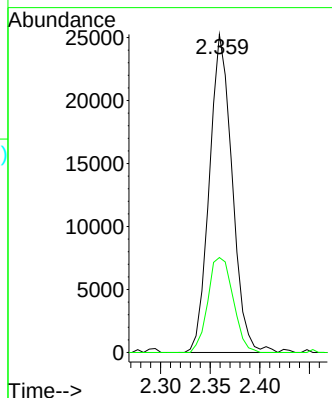
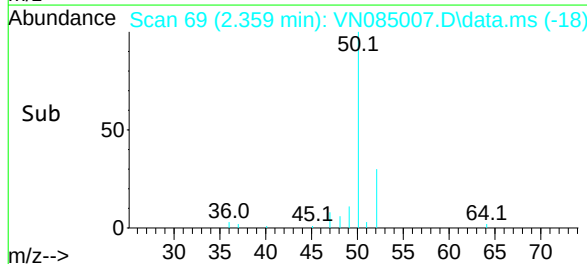
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 50 Resp: 40404
Ion Ratio Lower Upper
50 100
52 29.9 27.8 41.8

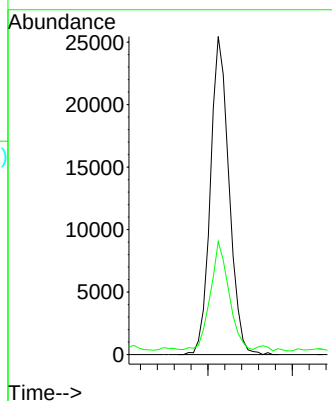
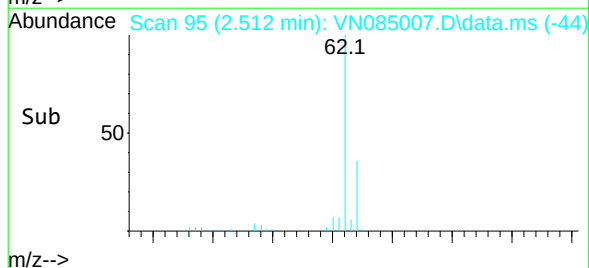
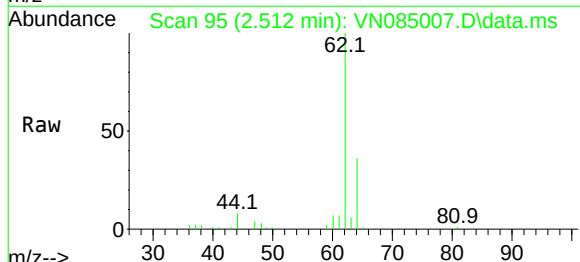
Manual Integrations
APPROVED

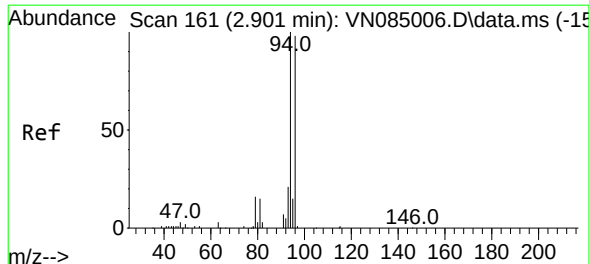
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070
Ion Ratio Lower Upper
62 100
64 33.9 24.6 36.8





#5

Bromomethane

Concen: 19.817 ug/l

RT: 2.900 min Scan# 161

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 94 Resp: 22076

Ion Ratio Lower Upper

94 100

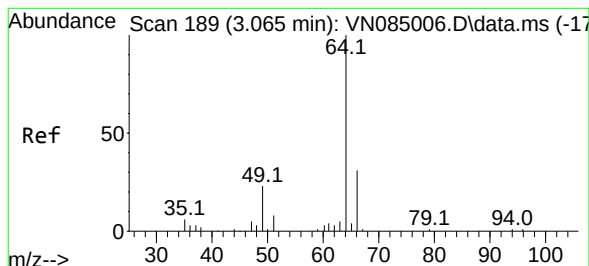
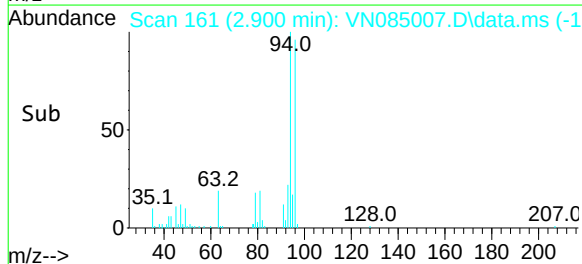
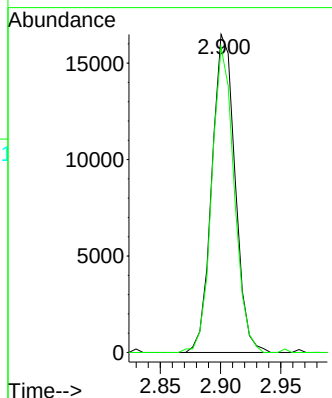
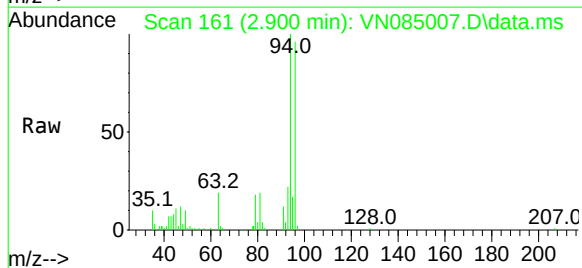
96 96.0 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 19.141 ug/l

RT: 3.071 min Scan# 190

Delta R.T. 0.006 min

Lab File: VN085007.D

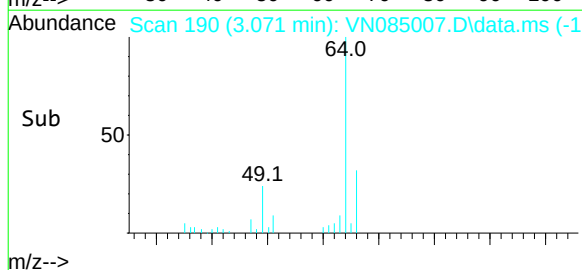
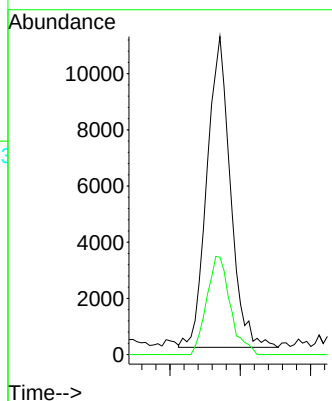
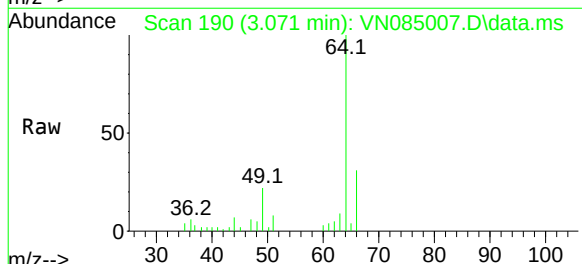
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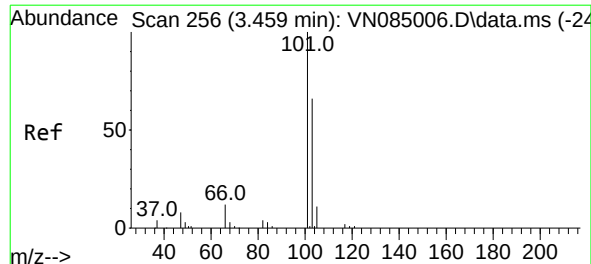
Tgt Ion: 64 Resp: 25643

Ion Ratio Lower Upper

64 100

66 31.3 24.4 36.6





#7

Trichlorofluoromethane

Concen: 20.049 ug/l

RT: 3.471 min Scan# 25

Delta R.T. 0.012 min

Lab File: VN085007.D

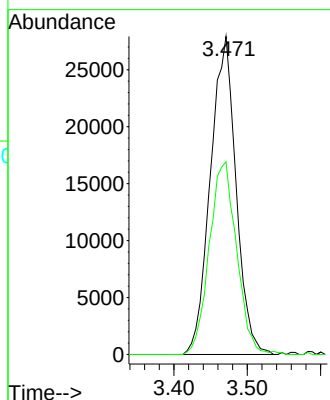
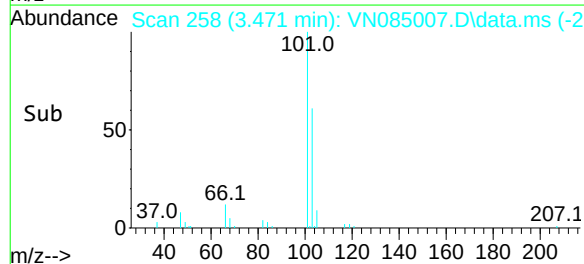
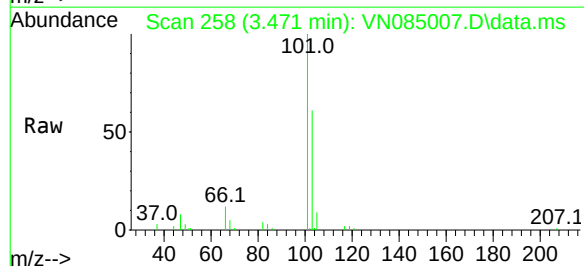
Acq: 22 Nov 2024 12:10

Tgt Ion: 101 Resp: 67785

Ion Ratio Lower Upper

101 100

103 60.6 52.6 78.8



Instrument :

MSVOA_N

ClientSampleId :

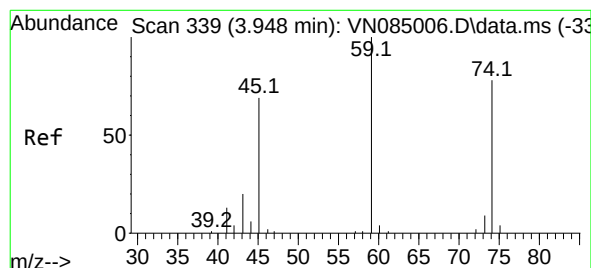
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#8

Diethyl Ether

Concen: 20.434 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.006 min

Lab File: VN085007.D

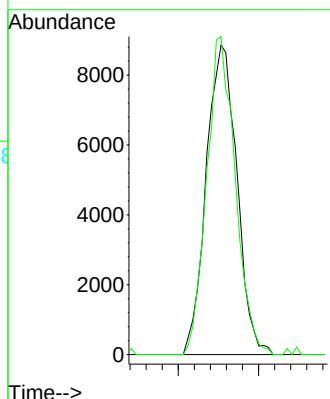
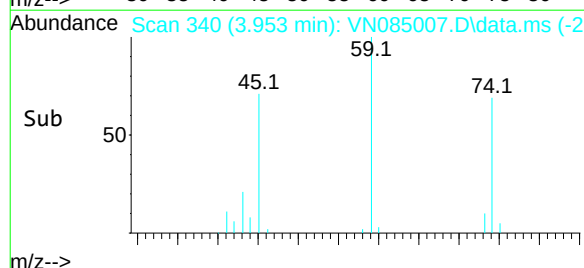
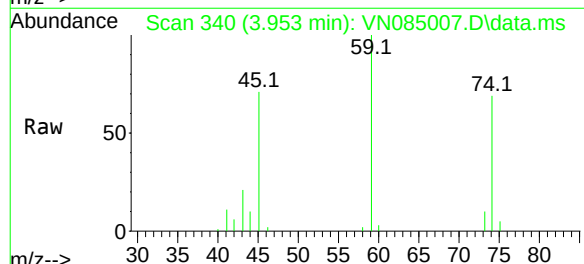
Acq: 22 Nov 2024 12:10

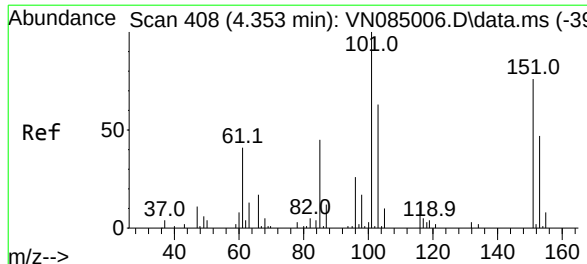
Tgt Ion: 74 Resp: 23514

Ion Ratio Lower Upper

74 100

45 95.8 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.031 ug/l

RT: 4.359 min Scan# 408

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

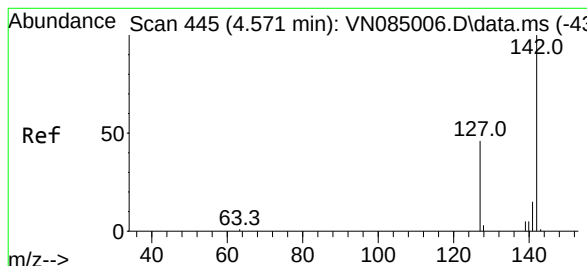
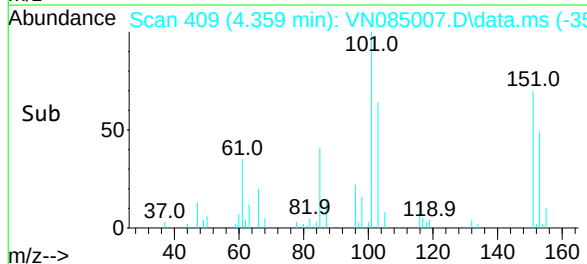
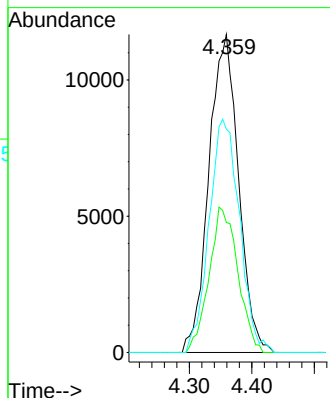
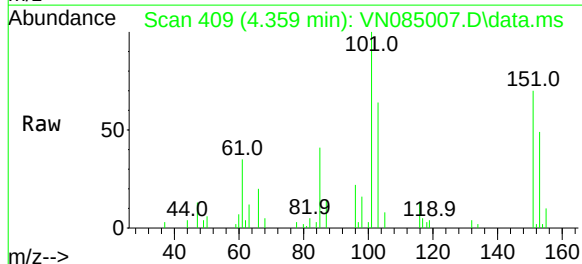
VSTDIC020

Tgt Ion:	101	Resp:	38412
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.9	55.3
151	75.5	60.8	91.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10

Methyl Iodide

Concen: 20.683 ug/l

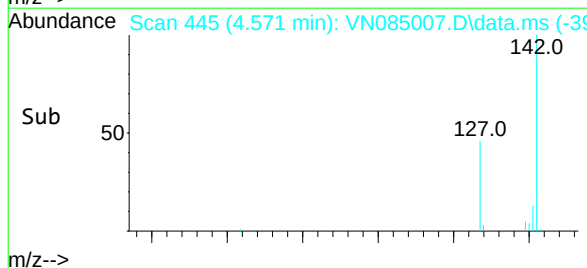
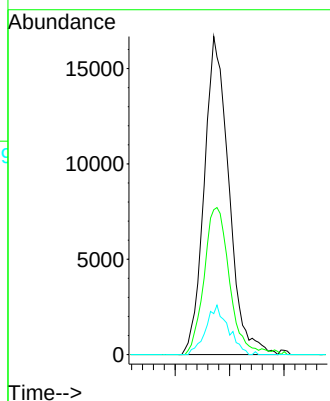
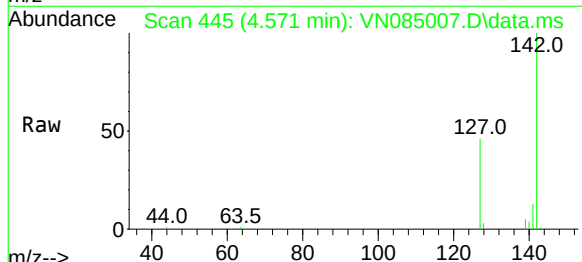
RT: 4.571 min Scan# 445

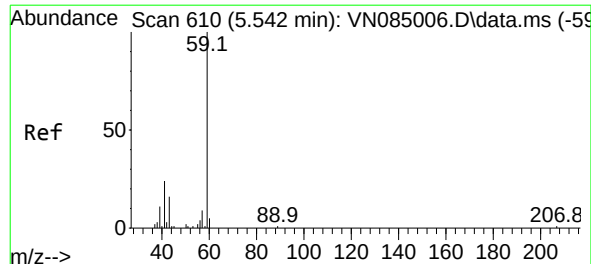
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	142	Resp:	52498
Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	12.9	12.2	18.4





#11

Tert butyl alcohol

Concen: 95.749 ug/l

RT: 5.536 min Scan# 609

Delta R.T. -0.006 min

Lab File: VN085007.D

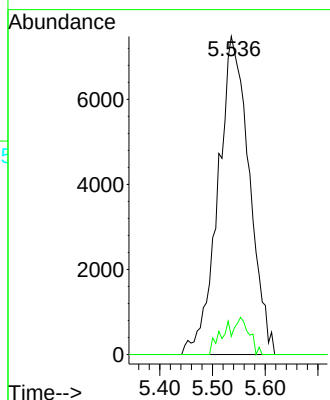
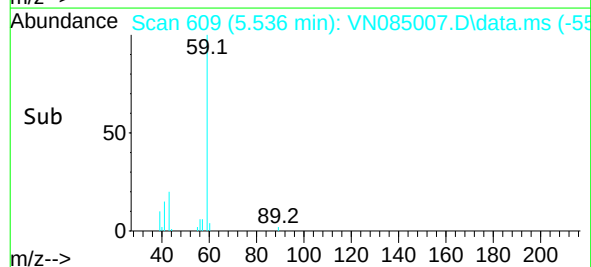
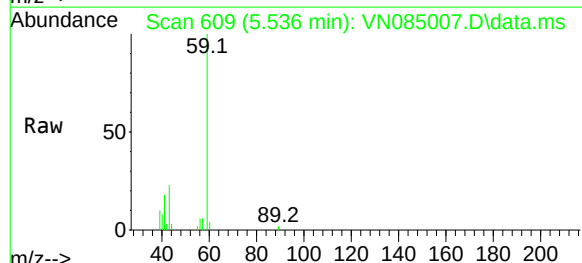
Acq: 22 Nov 2024 12:10

Tgt Ion: 59 Resp: 30735

Ion Ratio Lower Upper

59 100

57 3.7 7.4 11.0



Instrument :

MSVOA_N

ClientSampleId :

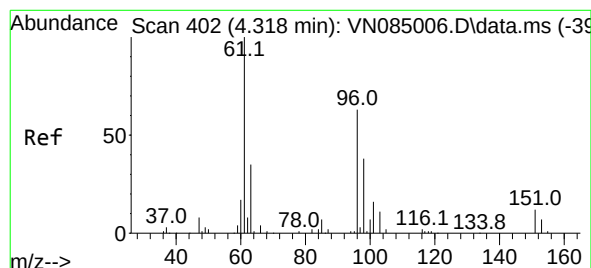
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 20.128 ug/l

RT: 4.330 min Scan# 404

Delta R.T. 0.012 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

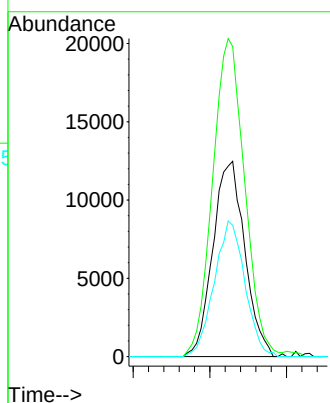
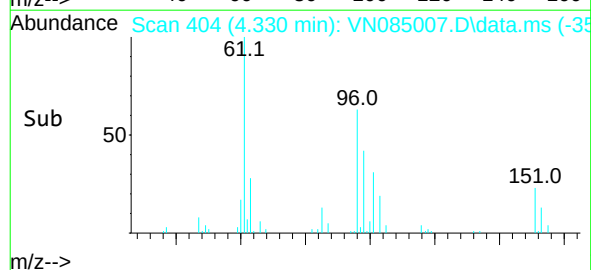
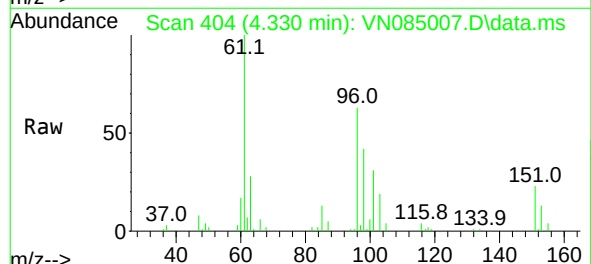
Tgt Ion: 96 Resp: 36027

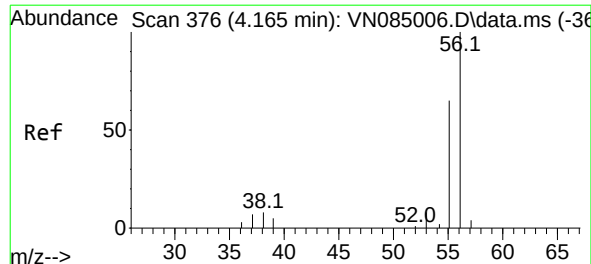
Ion Ratio Lower Upper

96 100

61 158.7 127.8 191.8

98 67.1 49.2 73.8





#13

Acrolein

Concen: 95.606 ug/l

RT: 4.177 min Scan# 376

Delta R.T. 0.012 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 20478

Ion Ratio Lower Upper

56 100

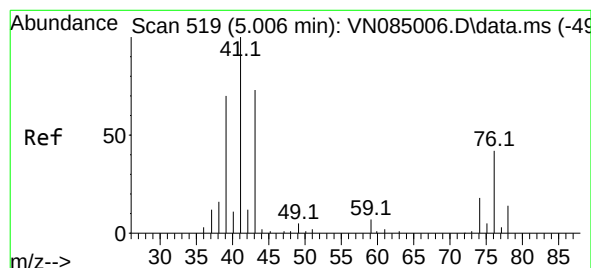
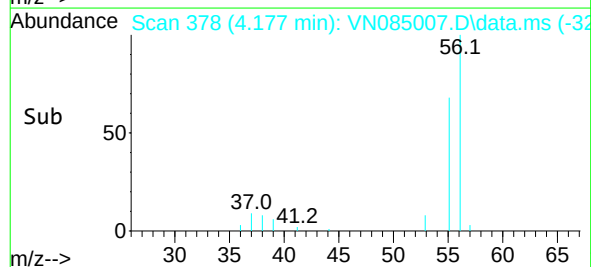
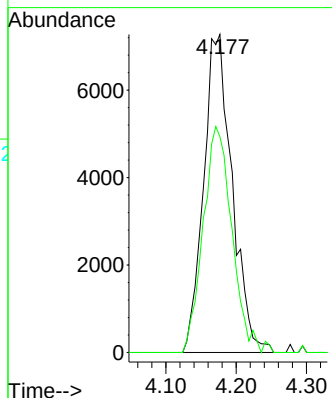
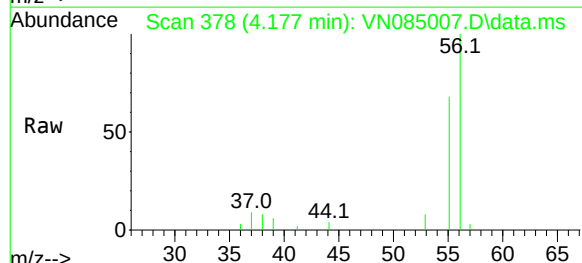
55 71.2 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 19.590 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

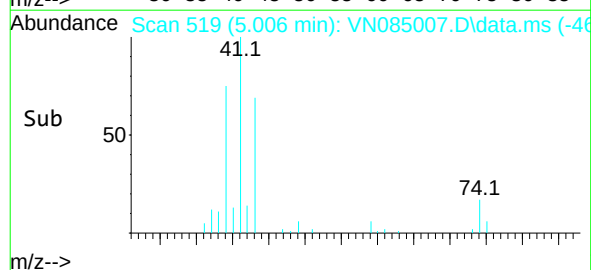
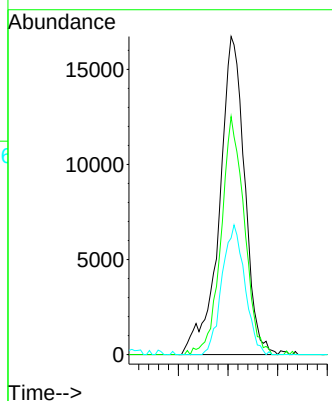
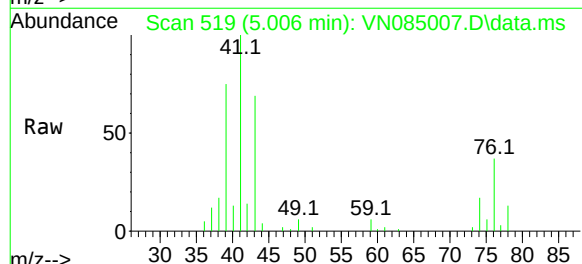
Tgt Ion: 41 Resp: 59110

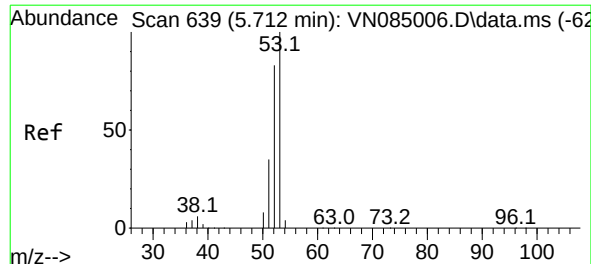
Ion Ratio Lower Upper

41 100

39 68.7 53.8 80.8

76 36.9 29.3 43.9





#15

Acrylonitrile

Concen: 98.100 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

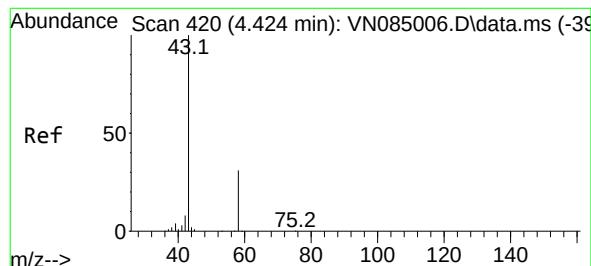
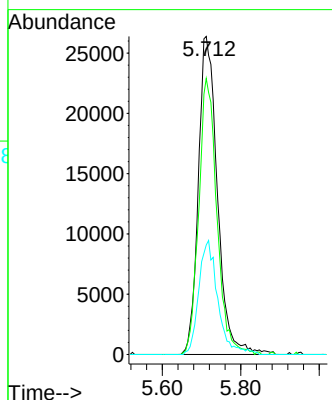
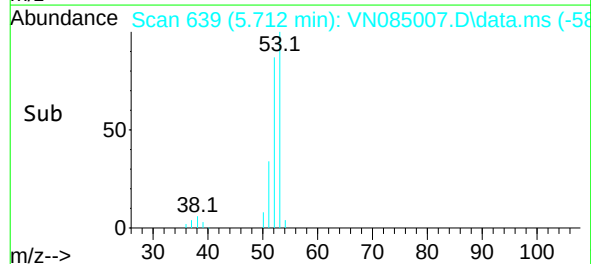
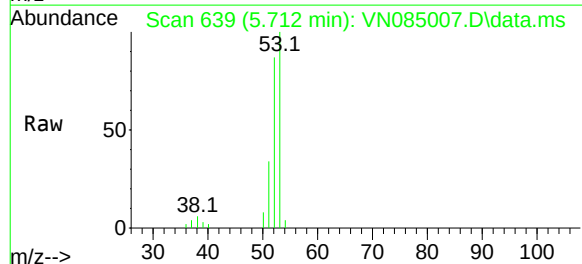
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	89152
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	35.8	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 99.393 ug/l

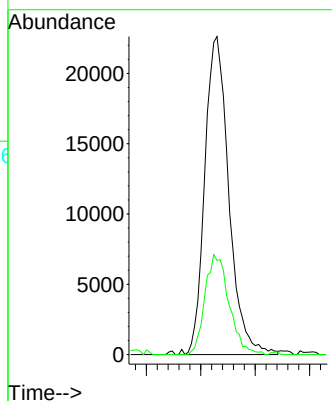
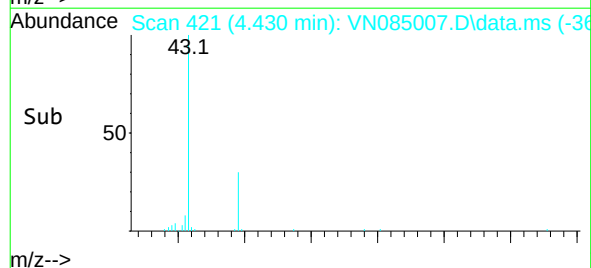
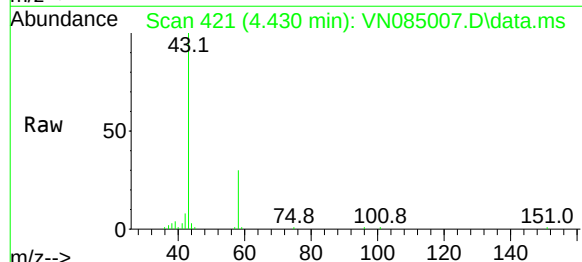
RT: 4.430 min Scan# 421

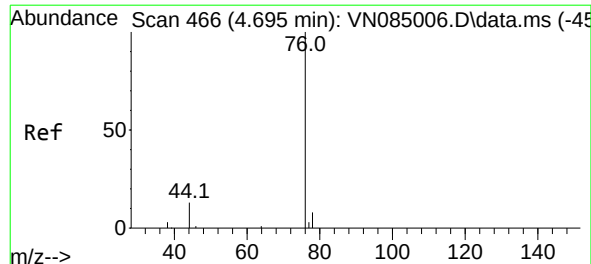
Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	43	Resp:	69534
Ion	Ratio	Lower	Upper
43	100		
58	29.6	25.4	38.2





#17

Carbon Disulfide

Concen: 19.602 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 103559

Ion Ratio Lower Upper

76 100

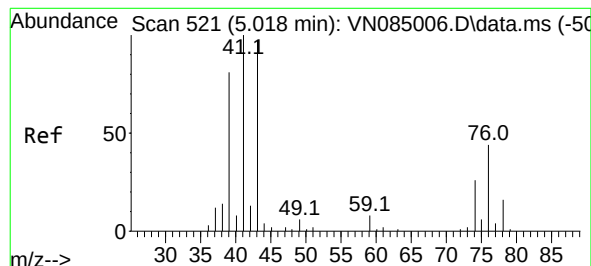
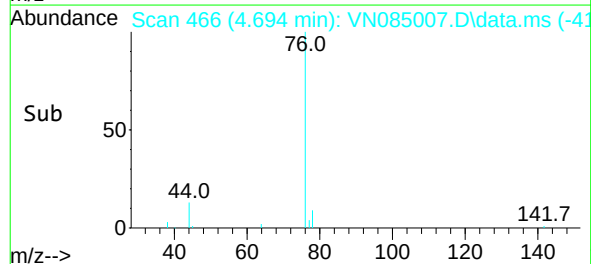
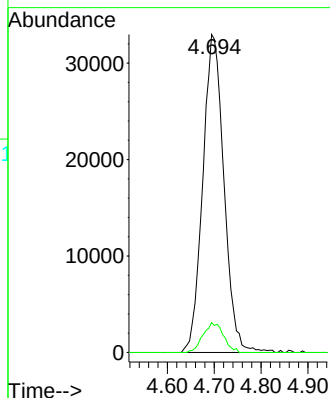
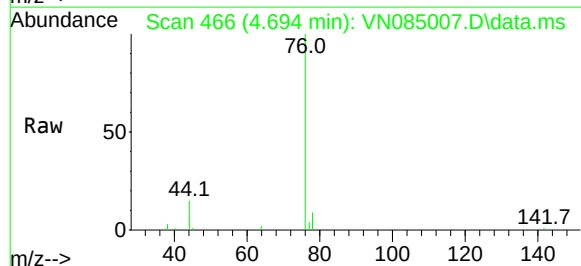
78 9.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 20.318 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085007.D

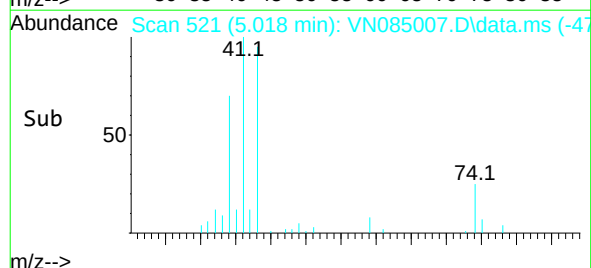
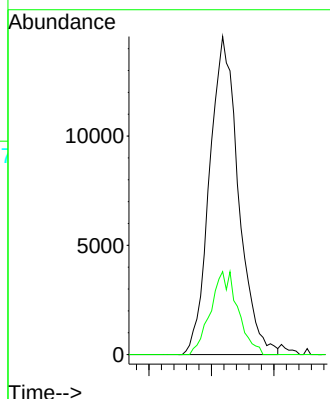
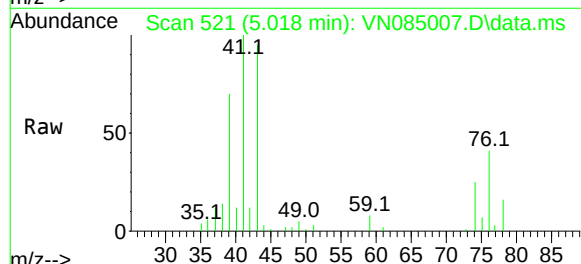
Acq: 22 Nov 2024 12:10

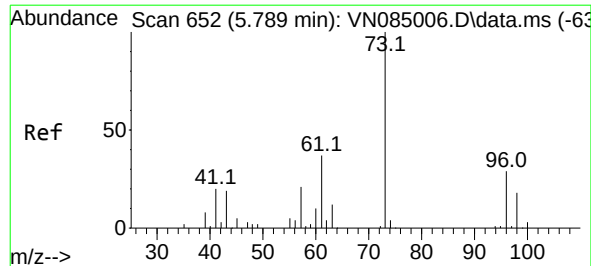
Tgt Ion: 43 Resp: 46954

Ion Ratio Lower Upper

43 100

74 24.7 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 20.350 ug/l

RT: 5.788 min Scan# 65

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 119013

Ion Ratio Lower Upper

73 100

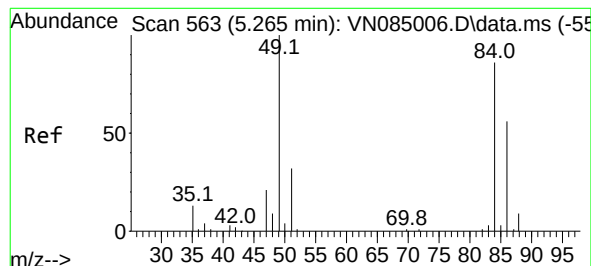
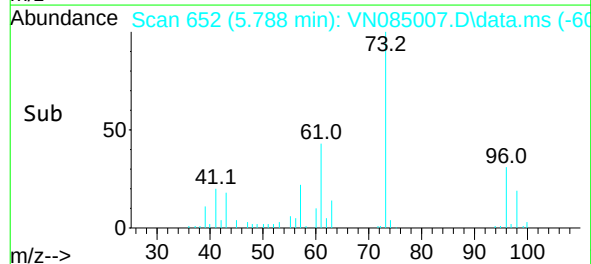
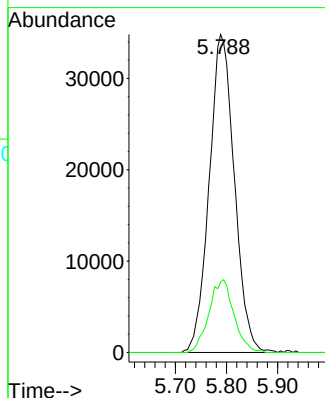
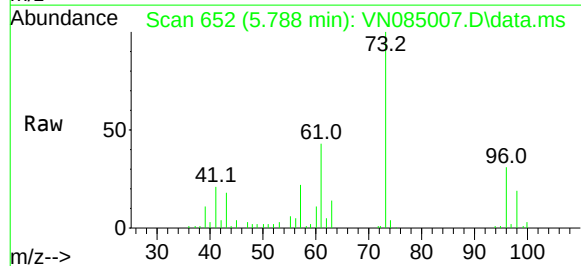
57 22.2 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 19.553 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

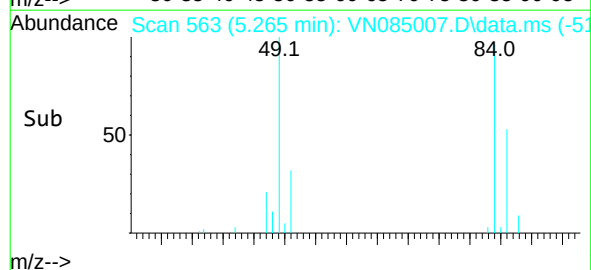
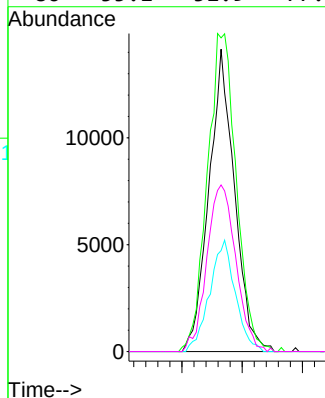
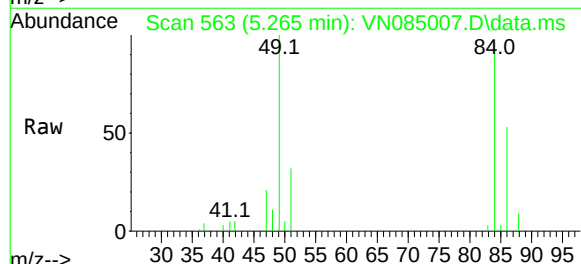
Ion Ratio Lower Upper

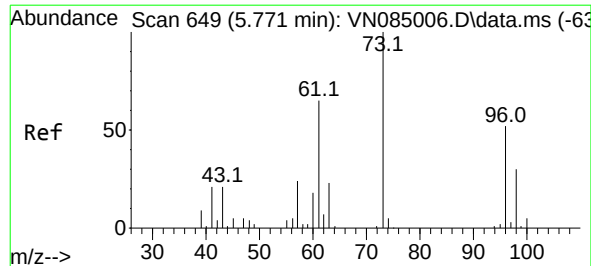
84 100

49 103.7 92.7 139.1

51 33.4 29.4 44.2

86 55.1 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.221 ug/l

RT: 5.777 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 38088

Ion Ratio Lower Upper

96 100

61 124.5 100.7 151.1

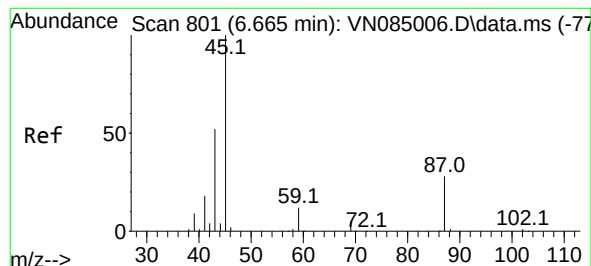
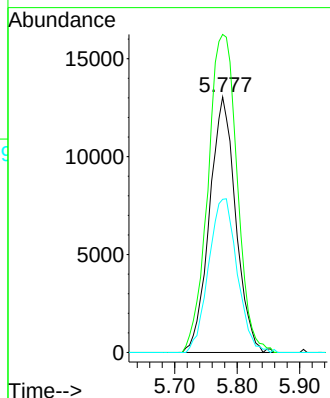
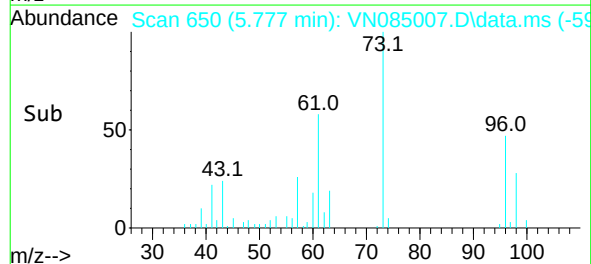
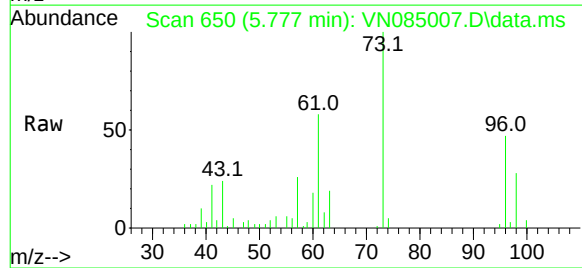
98 60.0 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 20.162 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443

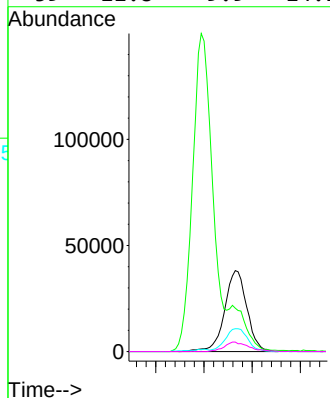
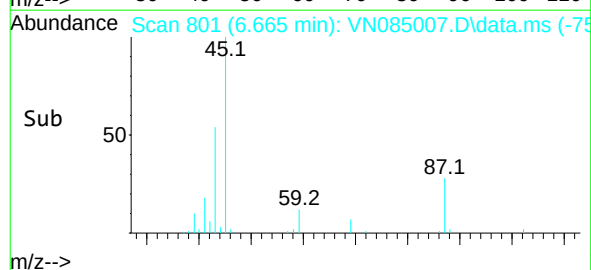
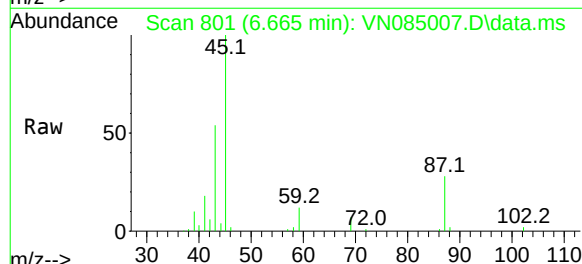
Ion Ratio Lower Upper

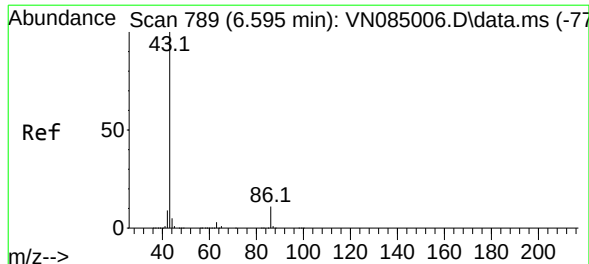
45 100

43 52.2 42.7 64.1

87 28.2 22.6 34.0

59 11.8 9.9 14.9





#23

Vinyl Acetate

Concen: 102.948 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 431313

Ion Ratio Lower Upper

43 100

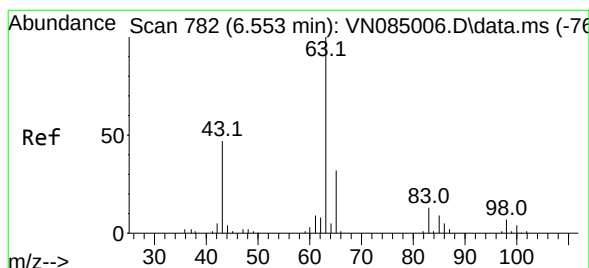
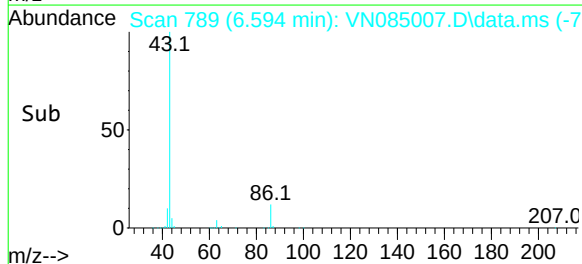
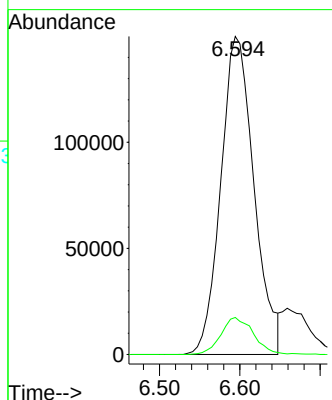
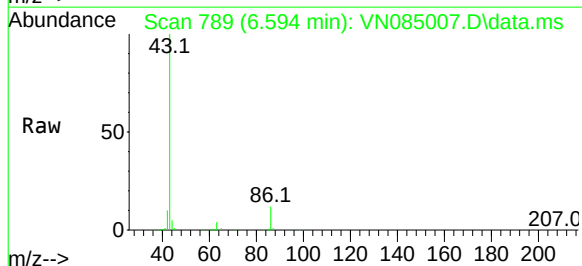
86 11.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 20.116 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

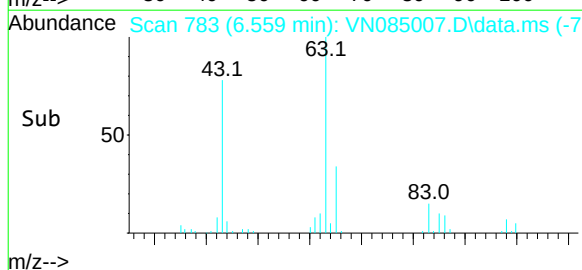
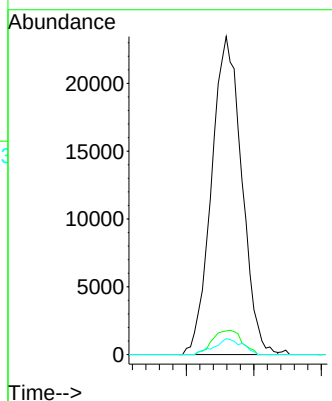
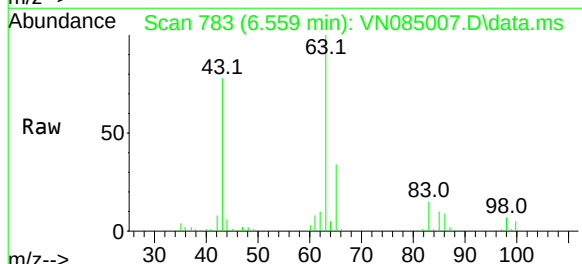
Tgt Ion: 63 Resp: 73105

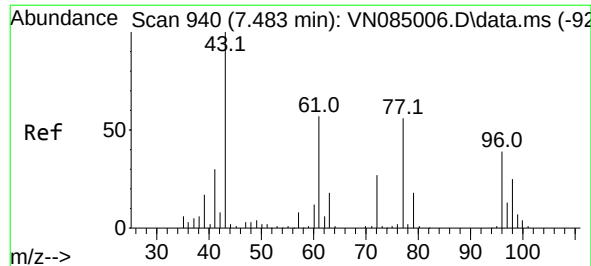
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 5.0 2.2 6.6





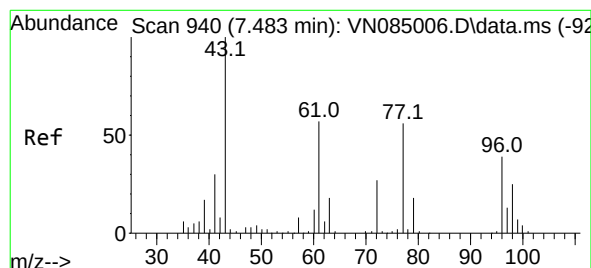
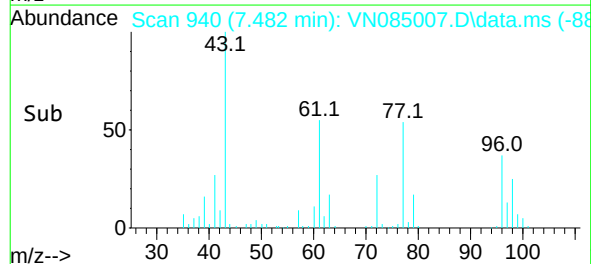
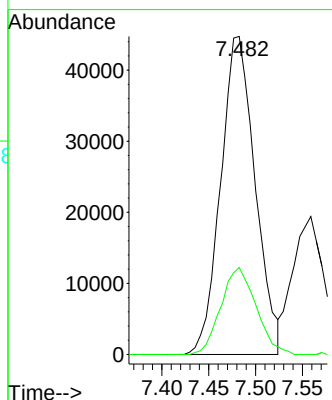
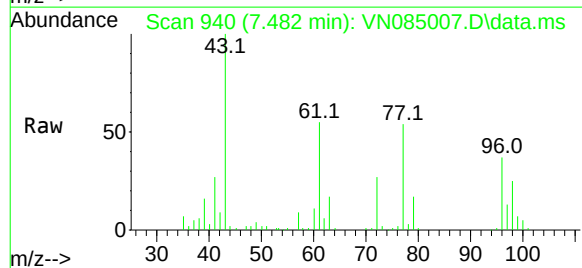
#25
2-Butanone
Concen: 100.226 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 114635
Ion Ratio Lower Upper
43 100
72 27.4 21.4 32.0

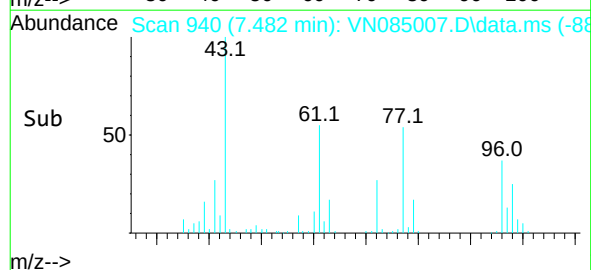
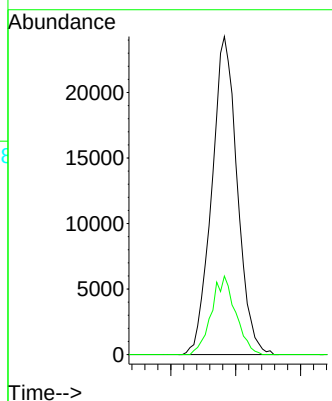
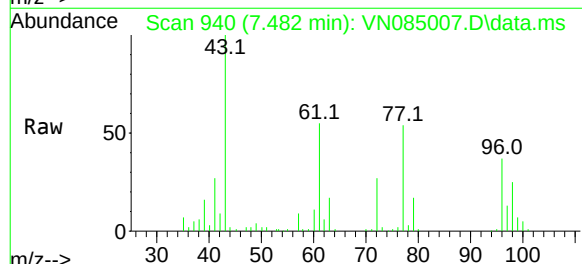
Manual Integrations
APPROVED

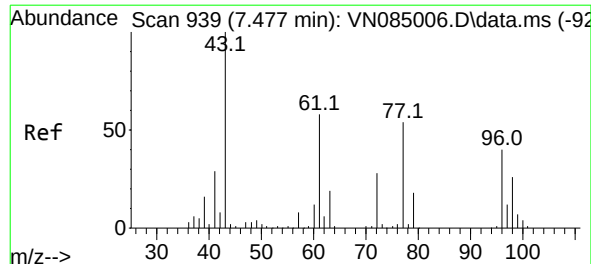
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#26
2,2-Dichloropropane
Concen: 19.517 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 77 Resp: 66230
Ion Ratio Lower Upper
77 100
97 23.4 10.9 32.7





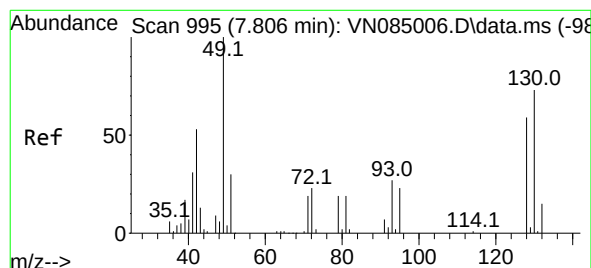
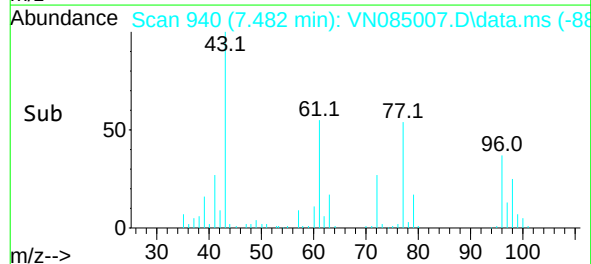
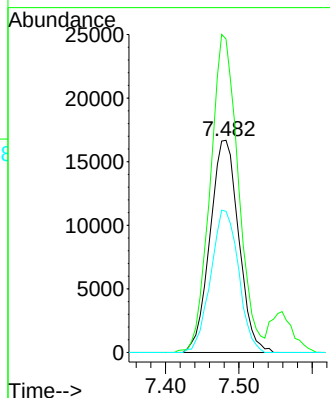
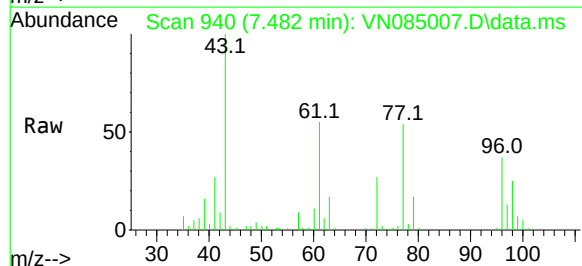
#27
cis-1,2-Dichloroethene
Concen: 19.953 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 45307
Ion Ratio Lower Upper
96 100
61 147.1 0.0 291.6
98 65.1 0.0 129.8

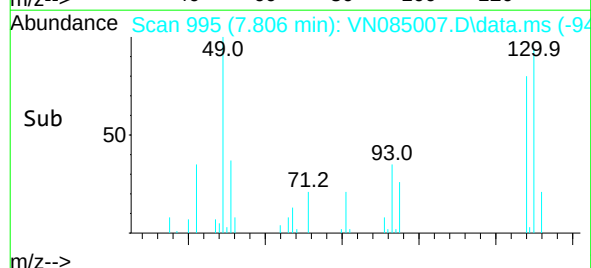
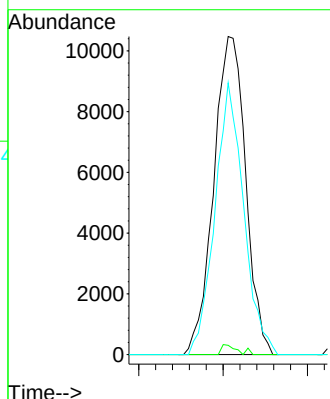
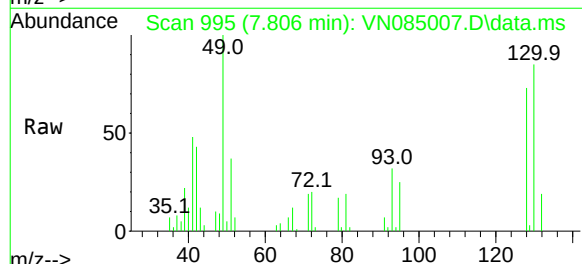
Manual Integrations
APPROVED

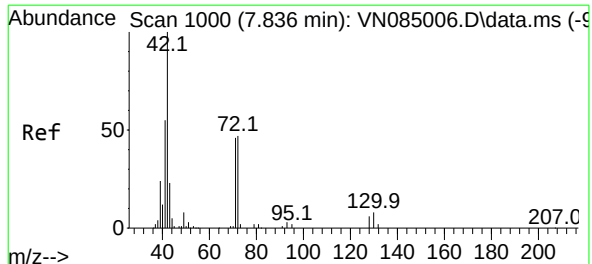
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#28
Bromochloromethane
Concen: 20.092 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.0
130 77.0 60.6 90.8





#29

Tetrahydrofuran

Concen: 100.618 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 71566

Ion Ratio Lower Upper

42 100

72 47.8 37.0 55.4

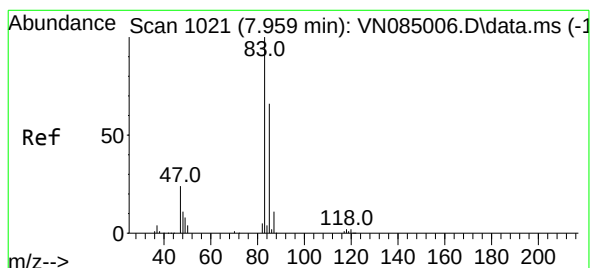
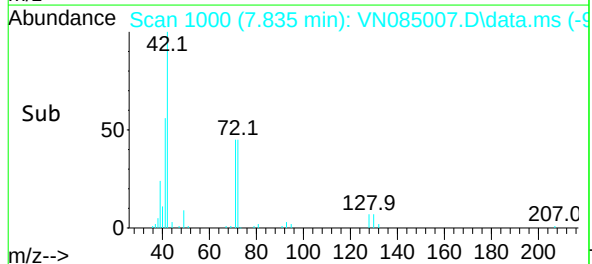
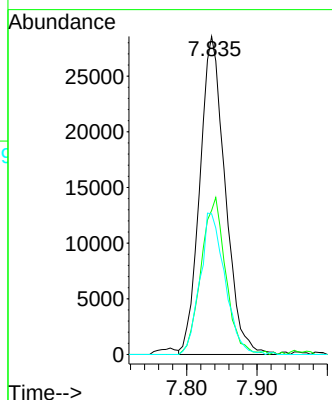
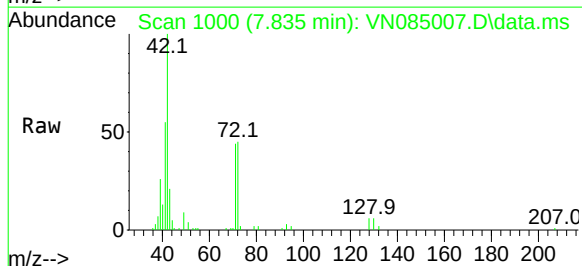
71 43.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 19.270 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.006 min

Lab File: VN085007.D

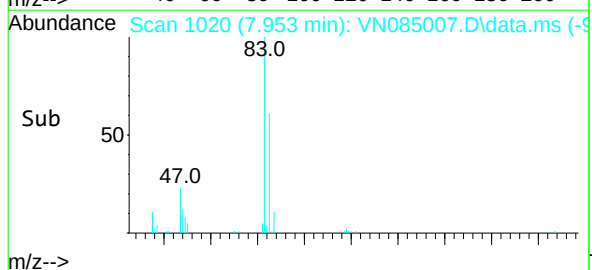
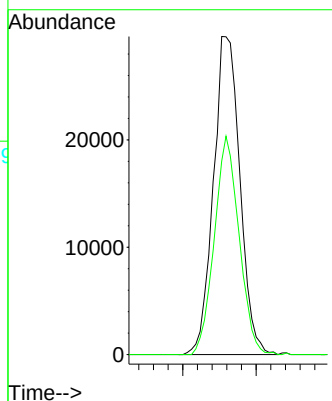
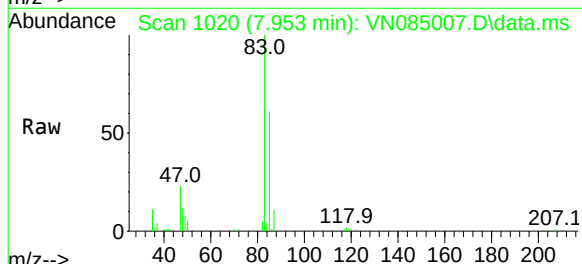
Acq: 22 Nov 2024 12:10

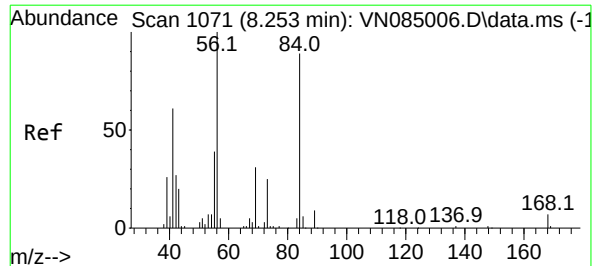
Tgt Ion: 83 Resp: 74495

Ion Ratio Lower Upper

83 100

85 60.8 52.6 78.8





#31

Cyclohexane

Concen: 19.852 ug/l

RT: 8.247 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 63521

Ion Ratio Lower Upper

56 100

69 36.7 24.6 36.8

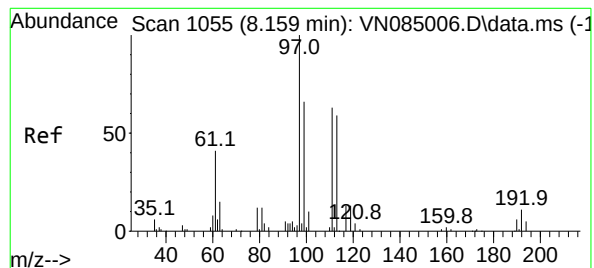
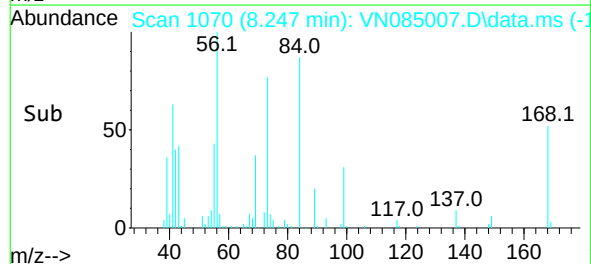
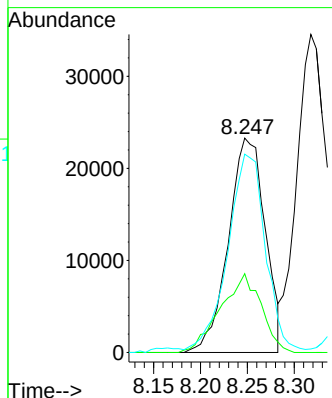
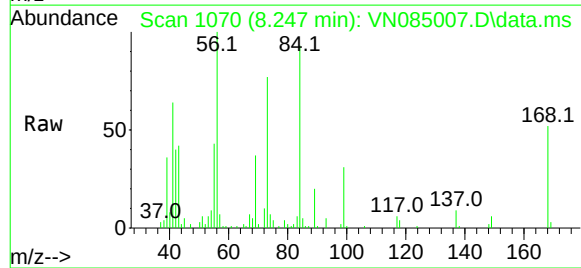
84 90.7 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 19.725 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

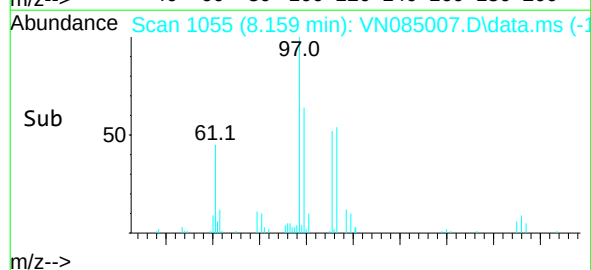
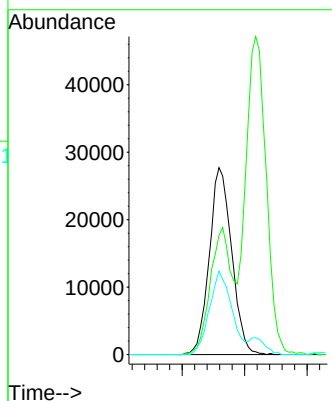
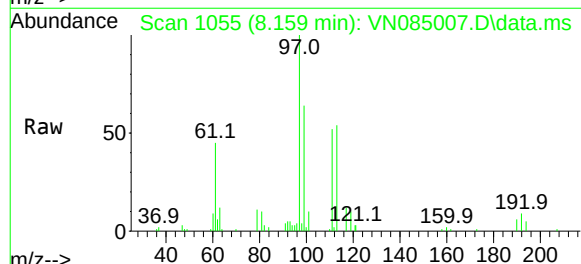
Tgt Ion: 97 Resp: 68908

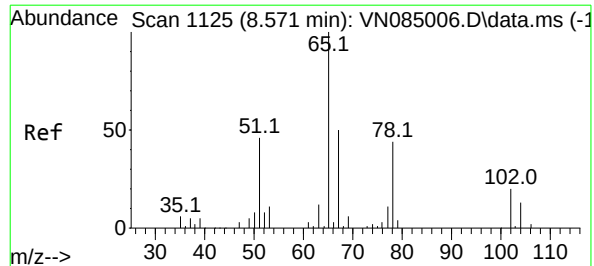
Ion Ratio Lower Upper

97 100

99 67.5 51.0 76.4

61 44.3 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 18.483 ug/l

RT: 8.577 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 44399

Ion Ratio Lower Upper

65 100

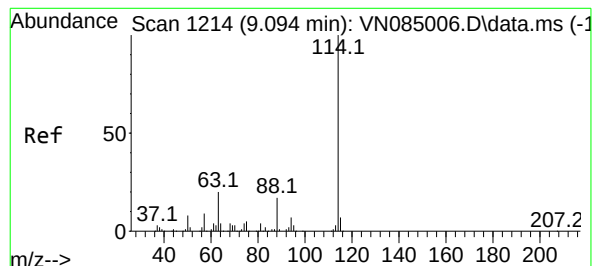
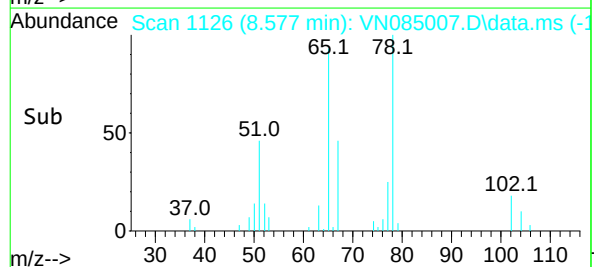
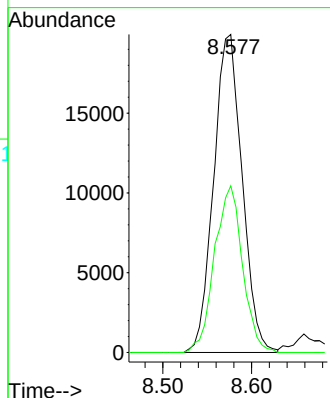
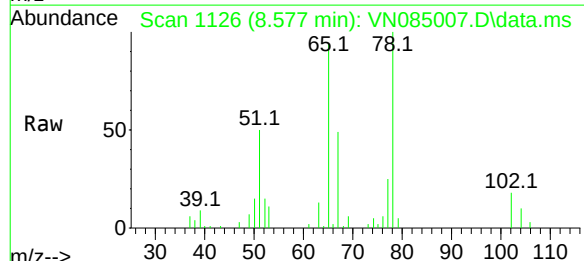
67 51.5 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

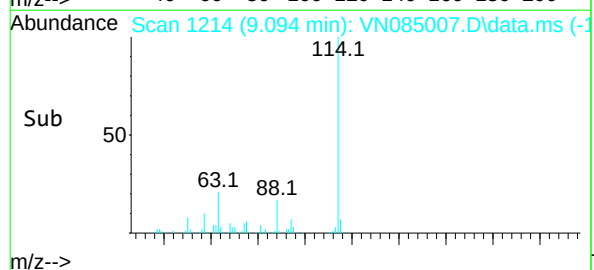
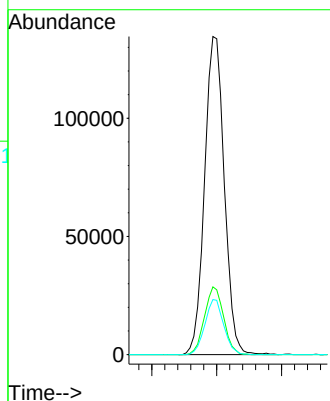
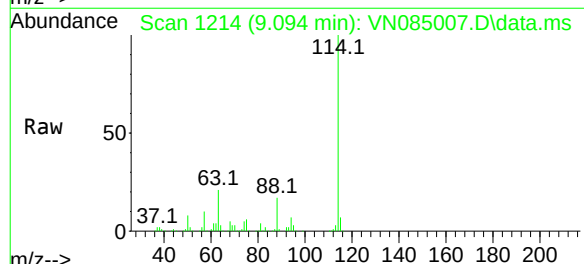
Tgt Ion:114 Resp: 283685

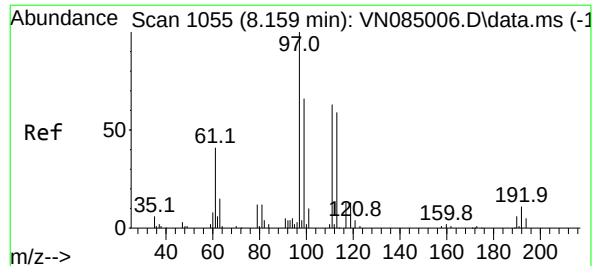
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

88 17.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 18.466 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

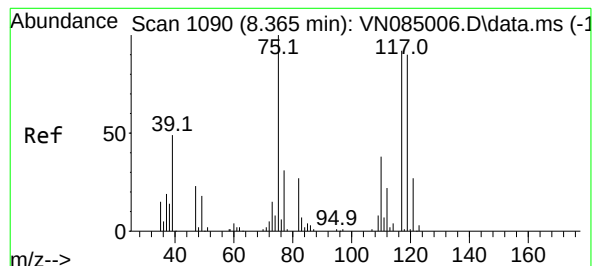
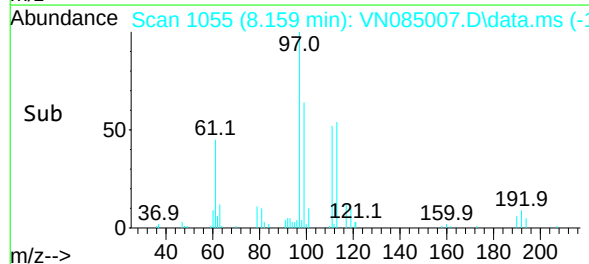
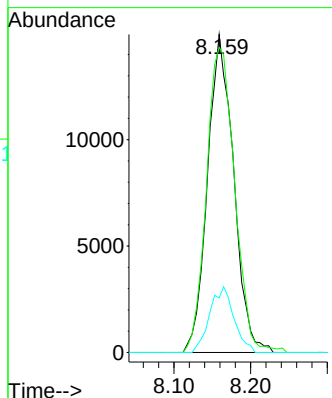
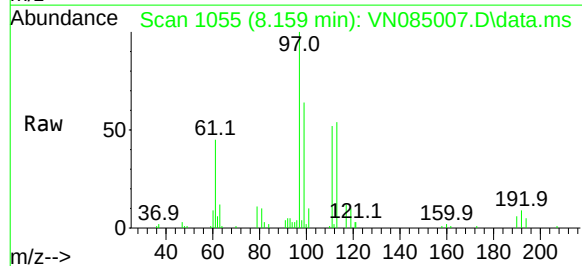
ClientSampleId :

VSTDICC020

Tgt Ion:	113	Resp:	35327
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	19.2	14.8	22.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 19.888 ug/l

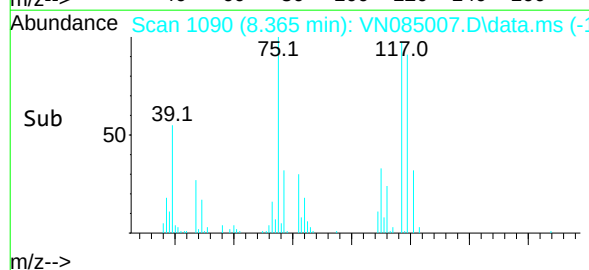
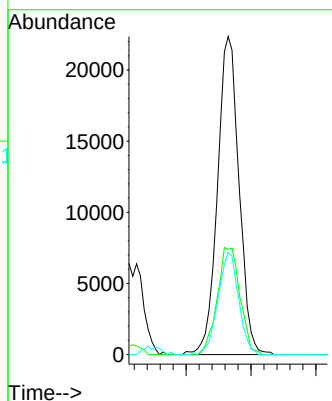
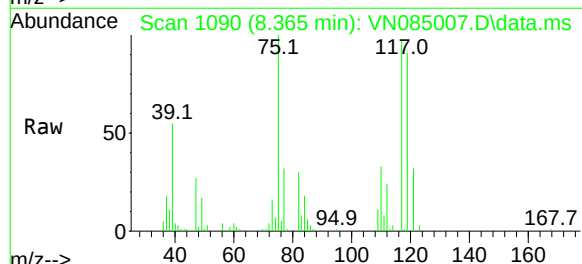
RT: 8.365 min Scan# 1090

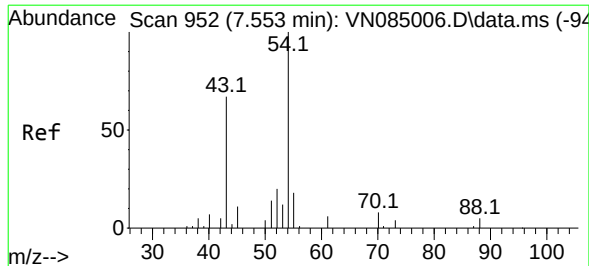
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	75	Resp:	51535
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.2	51.6
77	30.9	24.2	36.4





#37

Ethyl Acetate

Concen: 20.561 ug/l

RT: 7.559 min Scan# 95

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

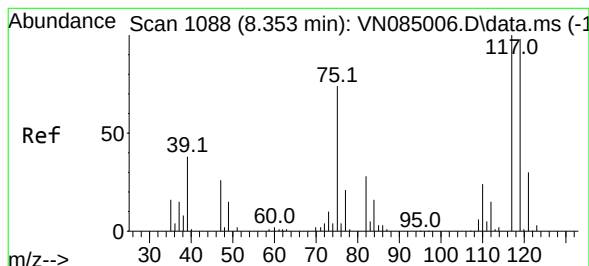
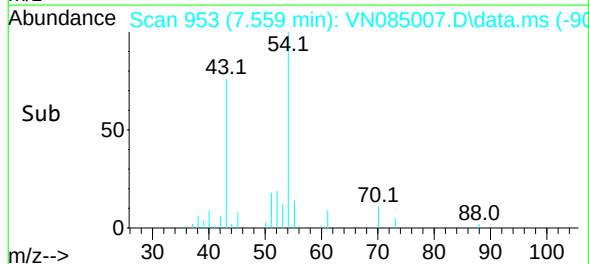
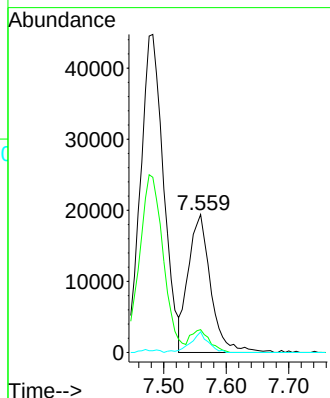
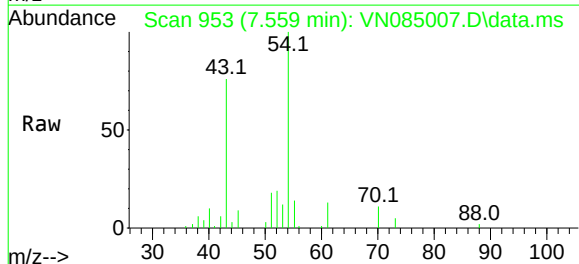
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	48436
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.7	9.3	13.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 20.593 ug/l

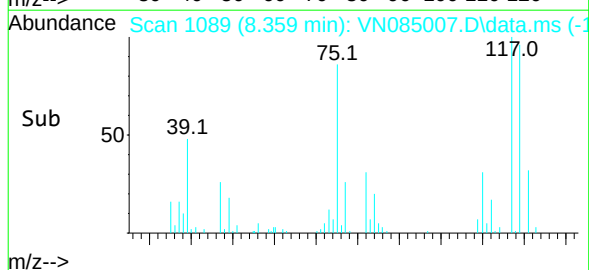
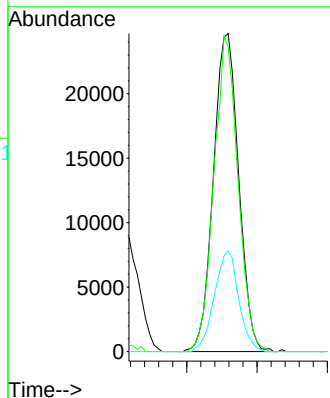
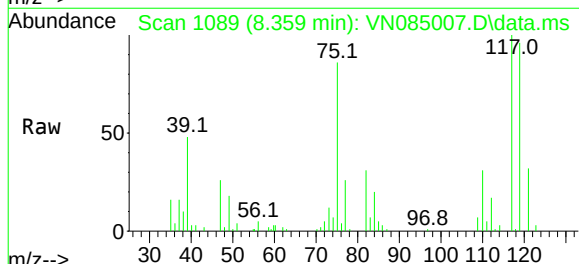
RT: 8.359 min Scan# 1089

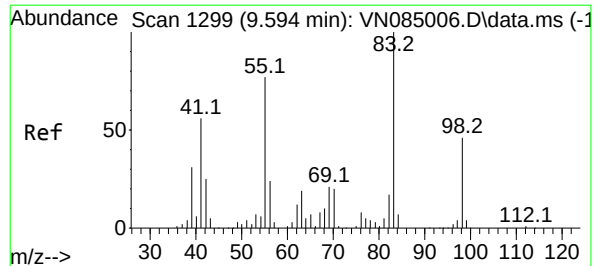
Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	117	Resp:	61594
Ion	Ratio	Lower	Upper
117	100		
119	95.7	78.6	117.8
121	31.7	24.2	36.2





#39

Methylcyclohexane

Concen: 20.464 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 83 Resp: 55102

Ion Ratio Lower Upper

83 100

55 76.9 61.8 92.6

98 49.4 37.0 55.6

Instrument :

MSVOA_N

ClientSampleId :

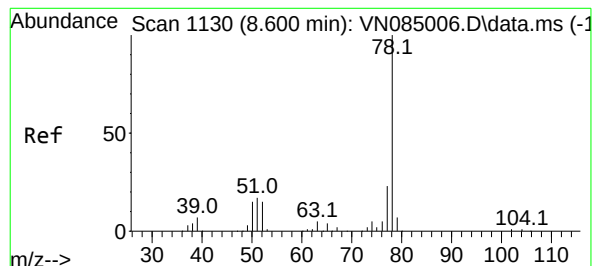
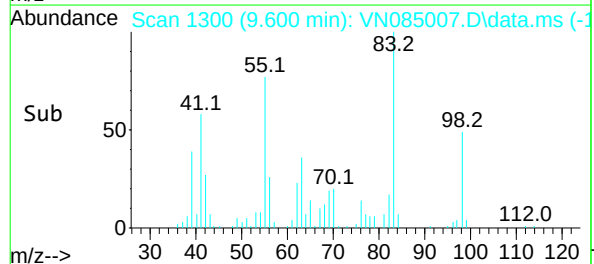
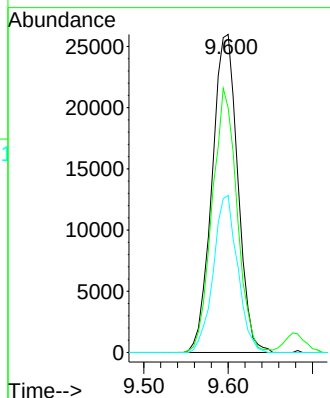
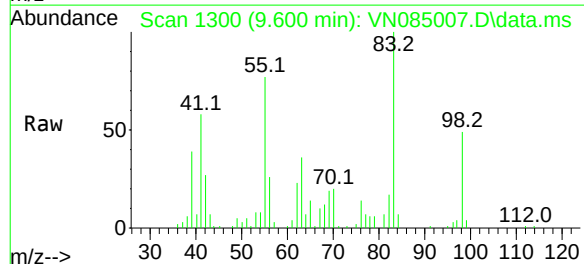
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 19.977 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085007.D

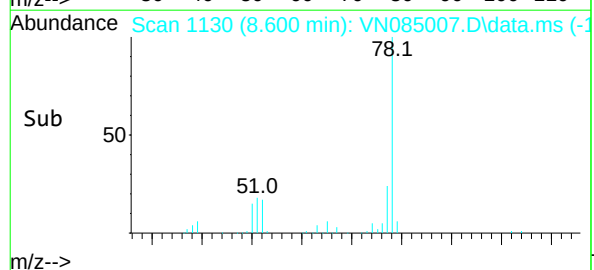
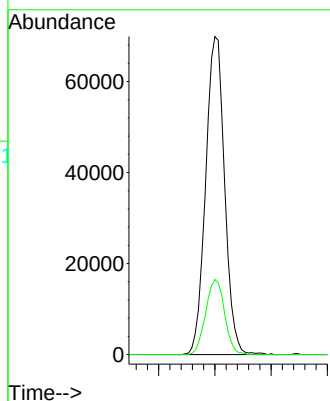
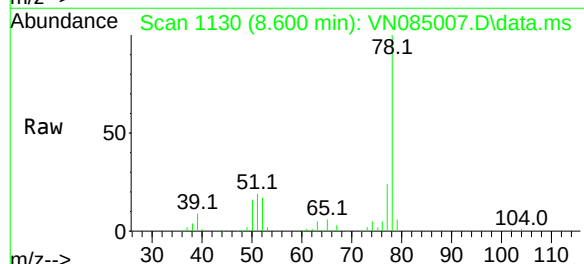
Acq: 22 Nov 2024 12:10

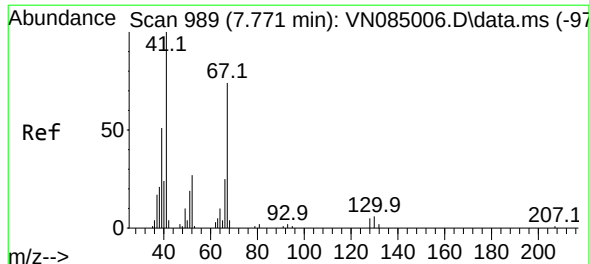
Tgt Ion: 78 Resp: 163727

Ion Ratio Lower Upper

78 100

77 23.6 18.5 27.7





#41

Methacrylonitrile

Concen: 19.942 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 26011

Ion Ratio Lower Upper

41 100

39 53.0 42.6 63.8

67 75.9 59.9 89.9

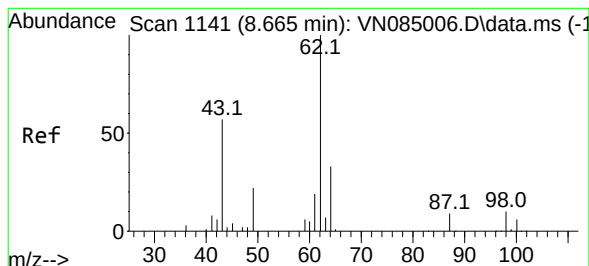
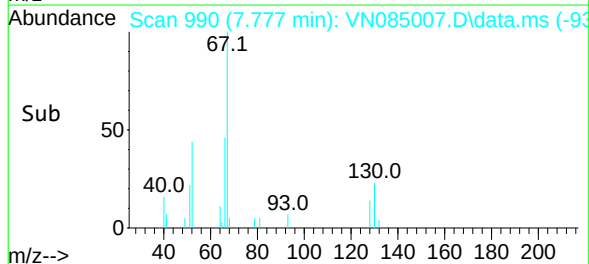
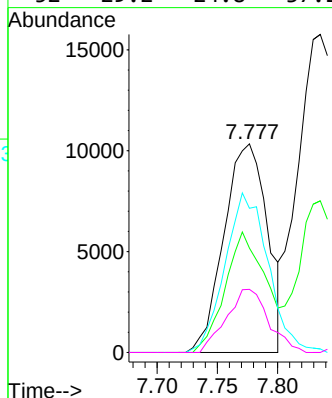
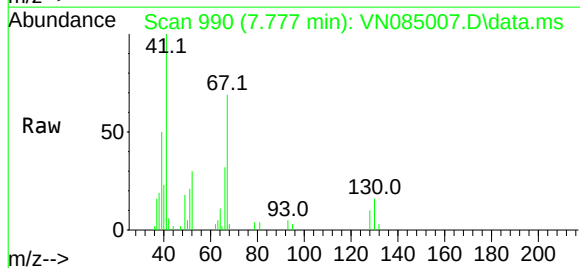
52 29.2 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 20.106 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085007.D

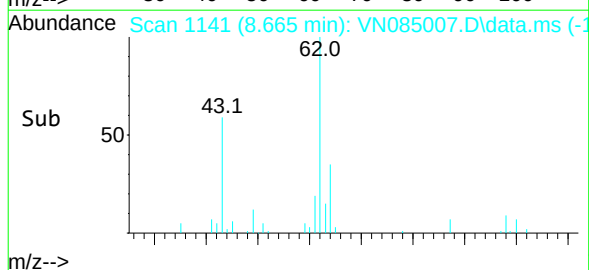
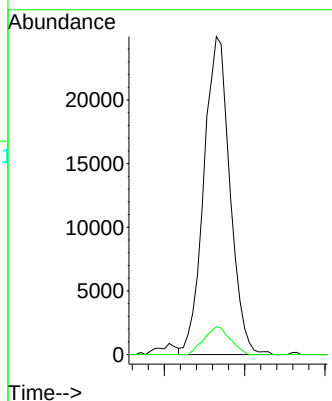
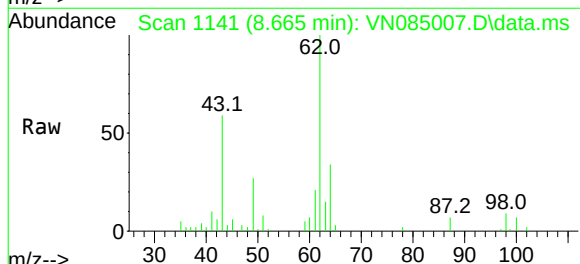
Acq: 22 Nov 2024 12:10

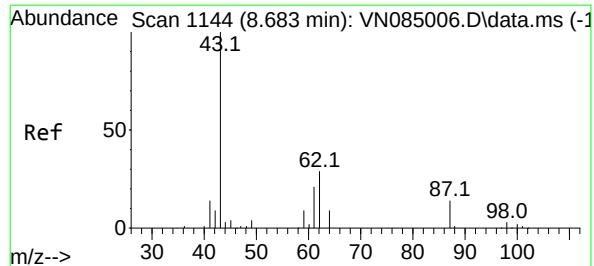
Tgt Ion: 62 Resp: 56374

Ion Ratio Lower Upper

62 100

98 8.7 0.0 18.2





#43

Isopropyl Acetate

Concen: 18.116 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

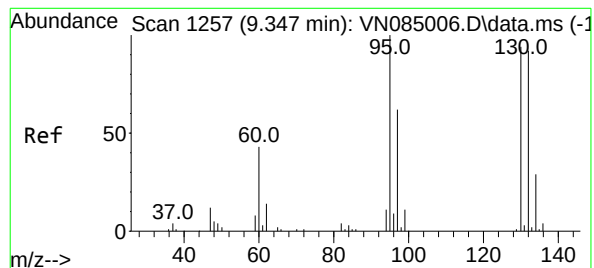
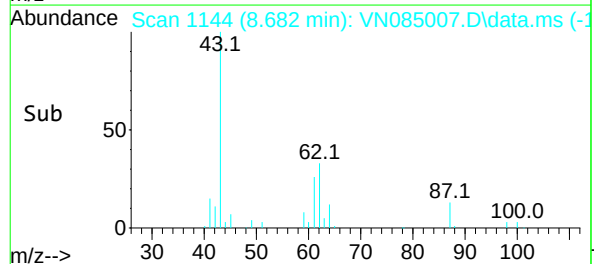
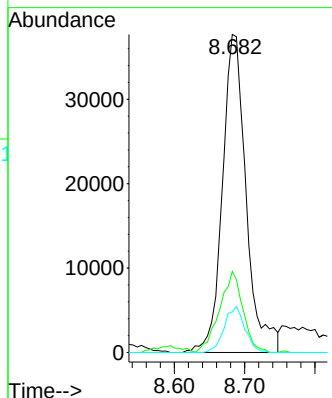
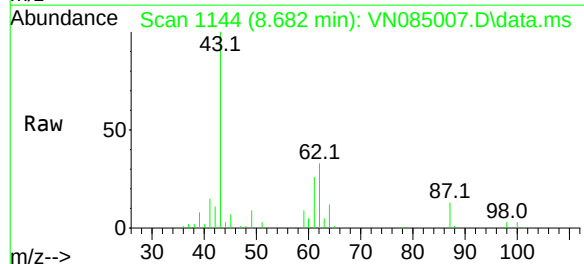
ClientSampleId :

VSTDICC020

Tgt Ion:	43	Resp:	88647
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.6	30.8
87	12.6	11.0	16.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 20.127 ug/l

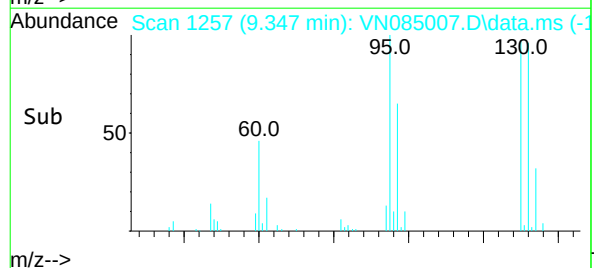
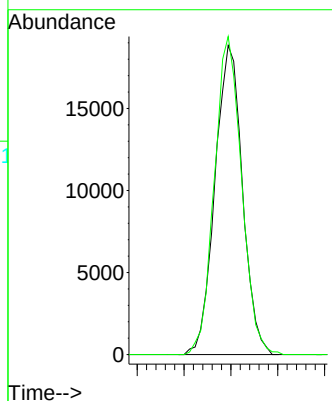
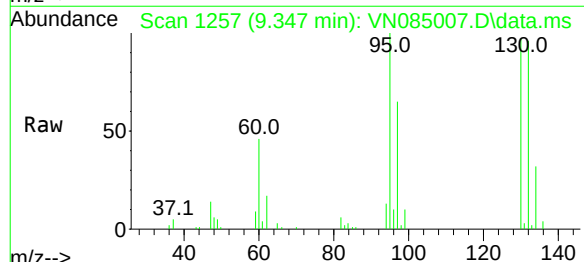
RT: 9.347 min Scan# 1257

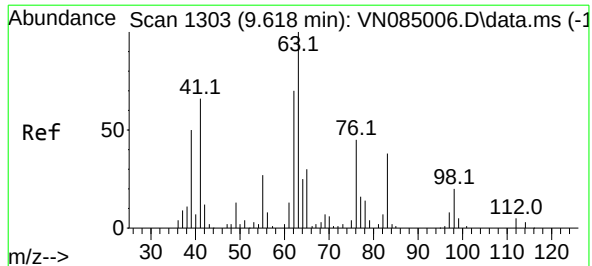
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	130	Resp:	38334
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	213.4





#45

1,2-Dichloropropane

Concen: 19.742 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 39852

Ion Ratio Lower Upper

63 100

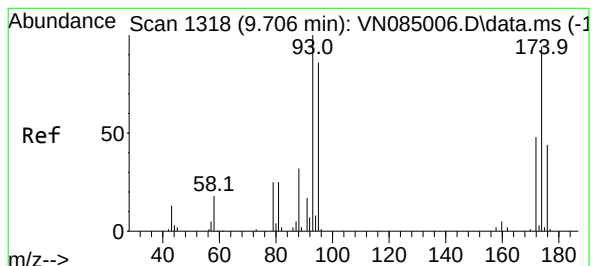
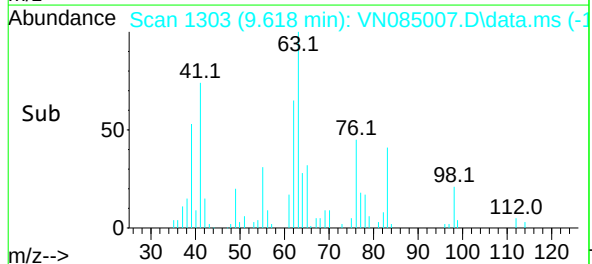
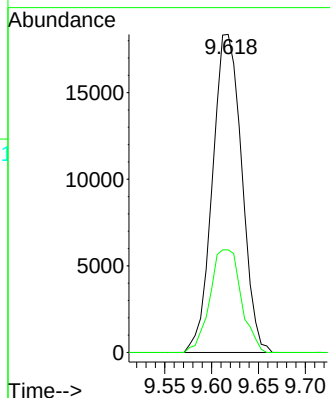
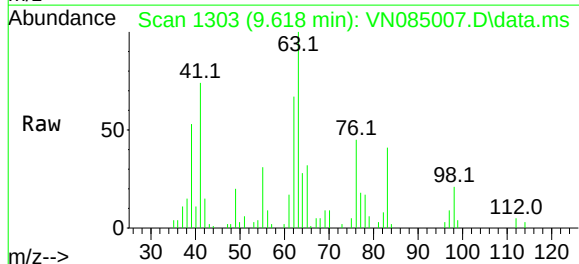
65 32.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 20.062 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

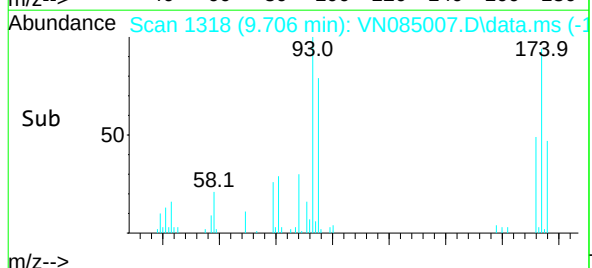
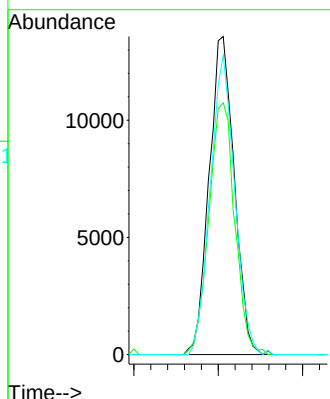
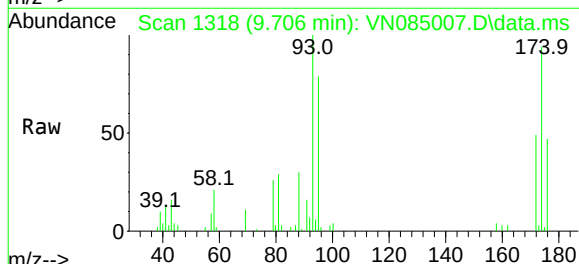
Tgt Ion: 93 Resp: 28140

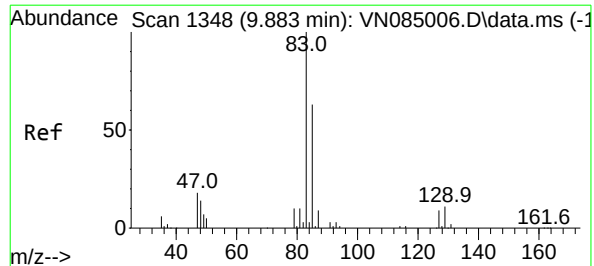
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 91.4 74.9 112.3





#47

Bromodichloromethane

Concen: 19.849 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

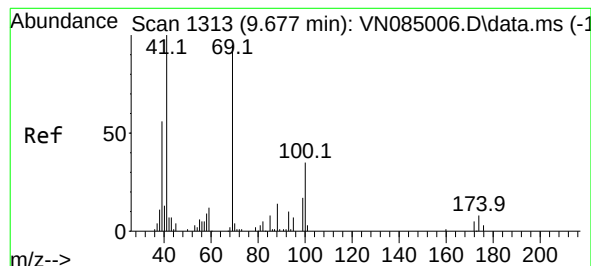
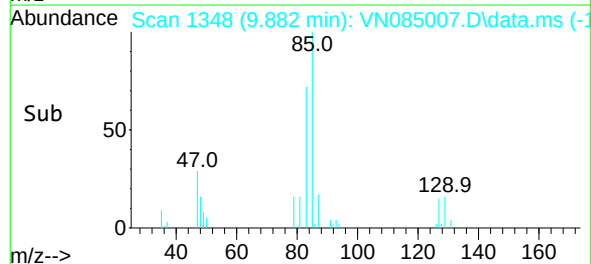
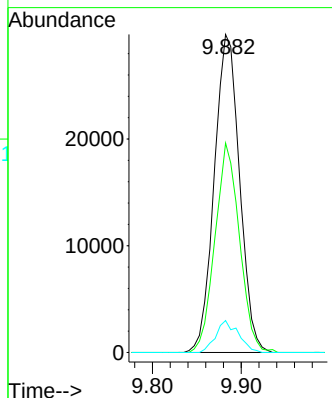
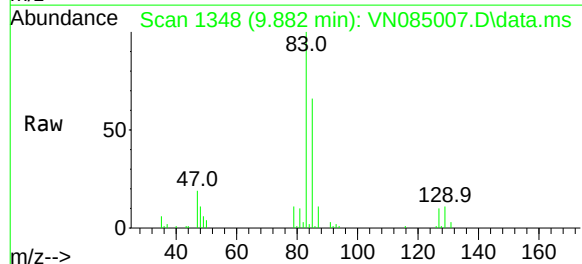
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	59008
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.5	75.7
127	10.0	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 20.148 ug/l

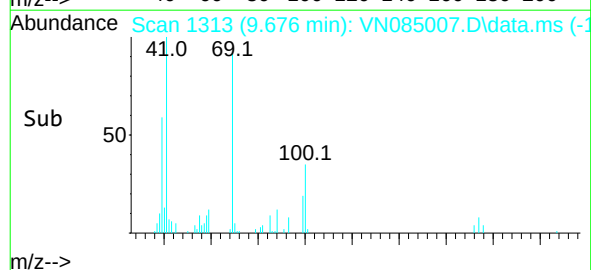
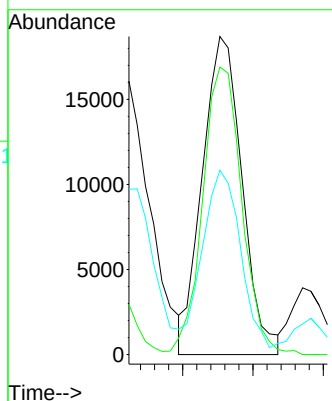
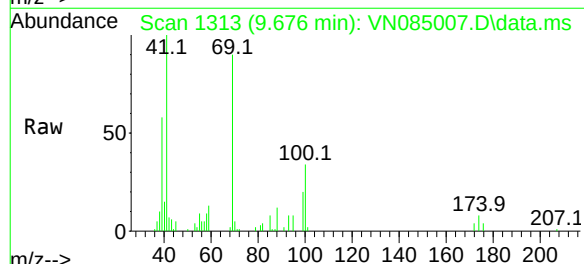
RT: 9.676 min Scan# 1313

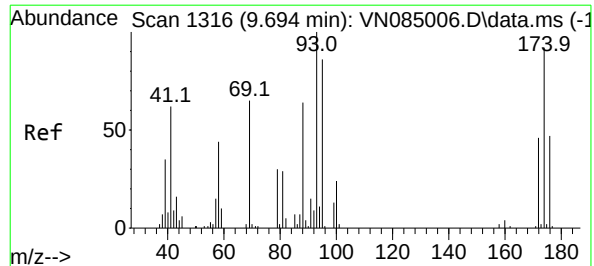
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	41	Resp:	36687
Ion	Ratio	Lower	Upper
41	100		
69	89.2	73.2	109.8
39	56.9	46.2	69.4





#49

1,4-Dioxane

Concen: 410.958 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 12977

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1

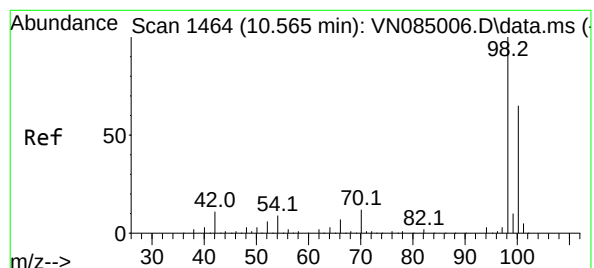
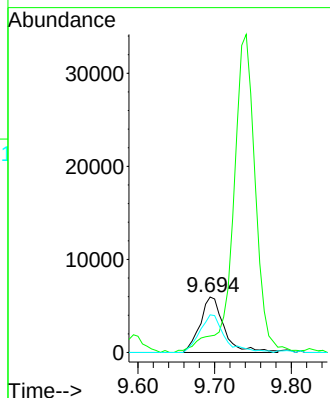
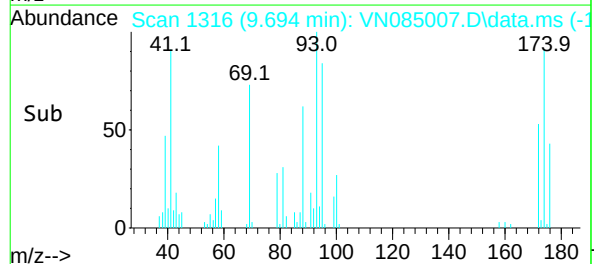
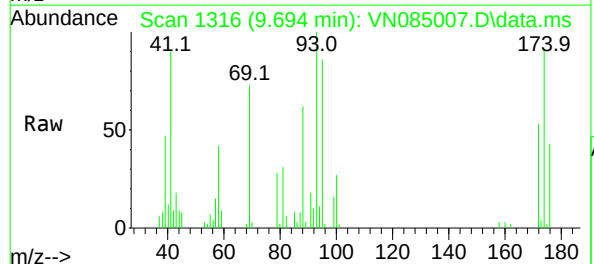
58 70.3 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 19.066 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085007.D

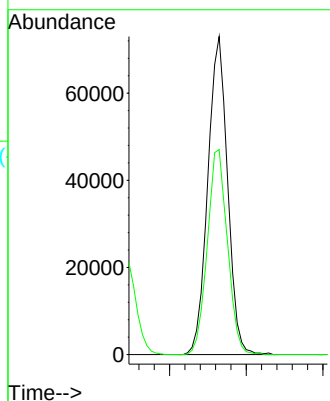
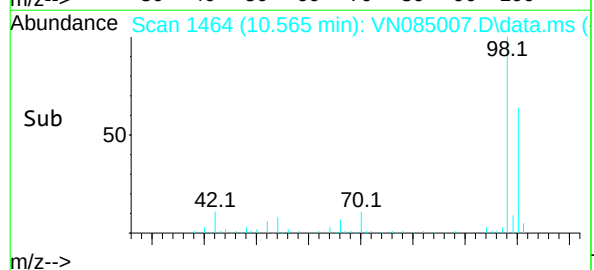
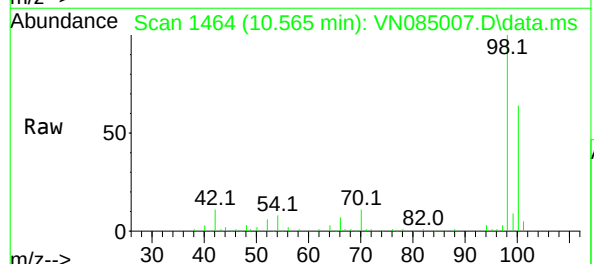
Acq: 22 Nov 2024 12:10

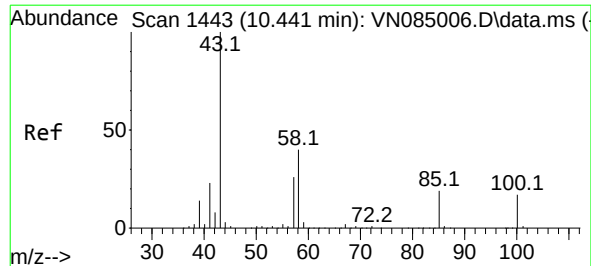
Tgt Ion: 98 Resp: 130719

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7





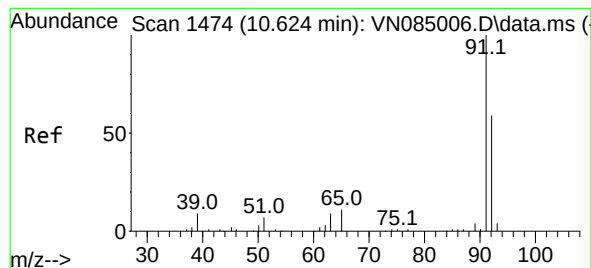
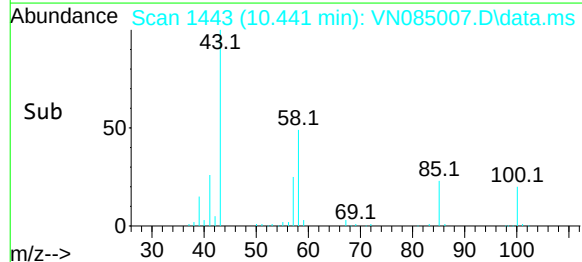
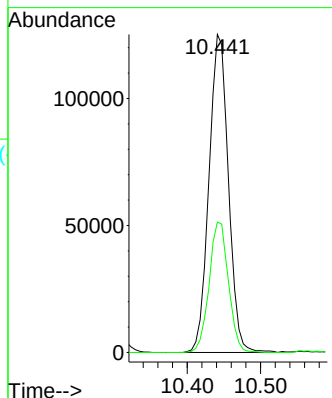
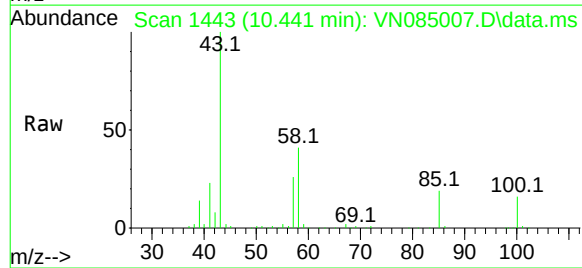
#51
4-Methyl-2-Pentanone
Concen: 103.015 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 230239
Ion Ratio Lower Upper
43 100
58 40.7 32.1 48.1

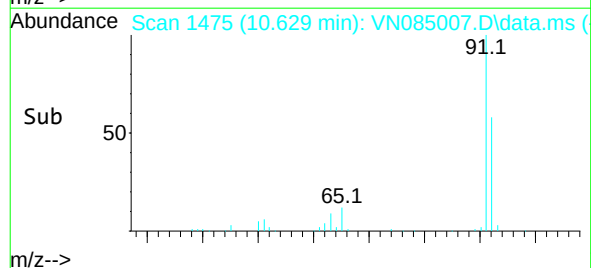
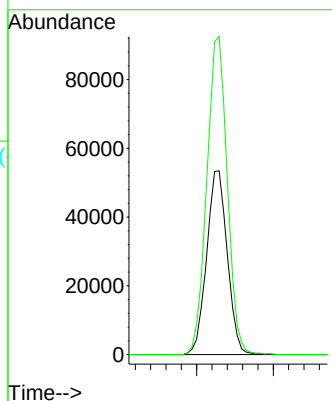
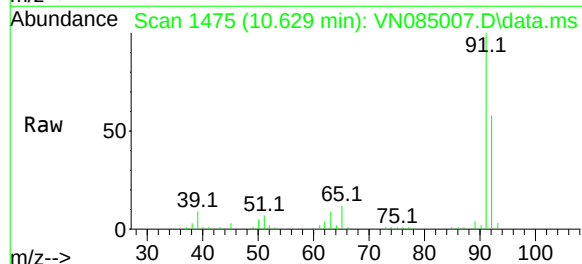
Manual Integrations
APPROVED

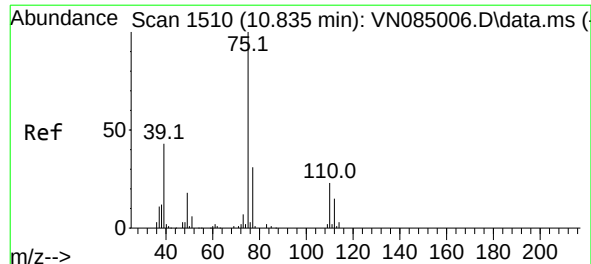
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 20.615 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 92 Resp: 100021
Ion Ratio Lower Upper
92 100
91 171.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.539 ug/l

RT: 10.829 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 61215

Ion Ratio Lower Upper

75 100

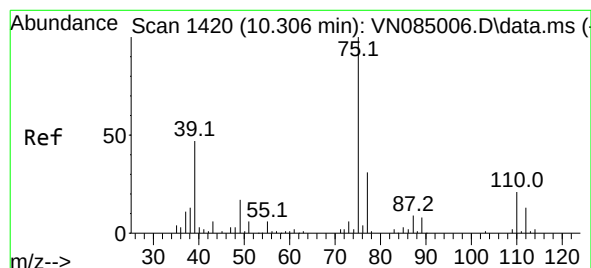
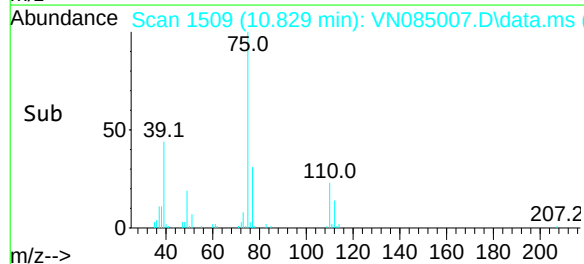
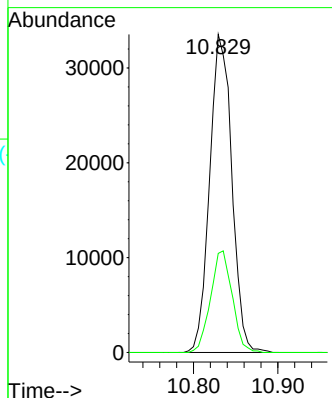
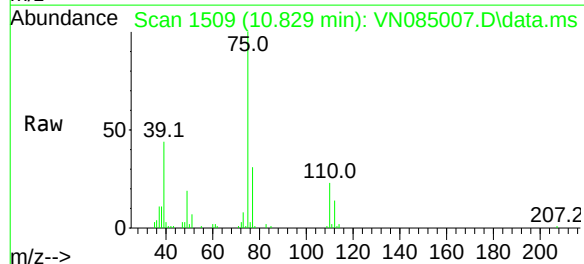
77 31.2 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 20.501 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

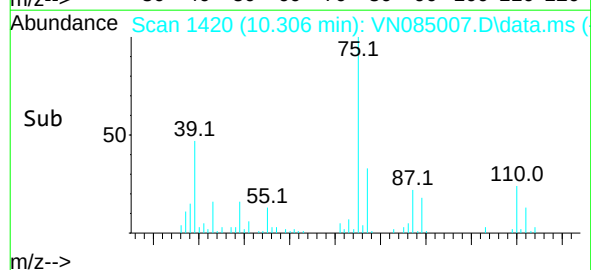
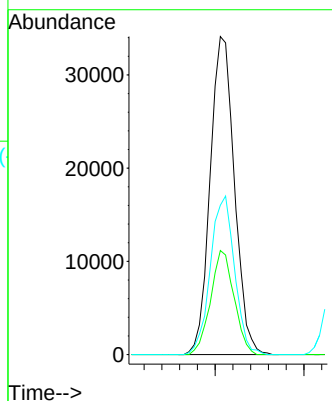
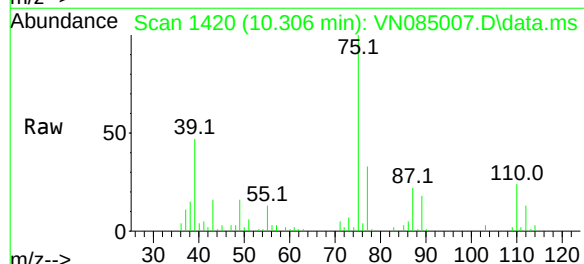
Tgt Ion: 75 Resp: 64823

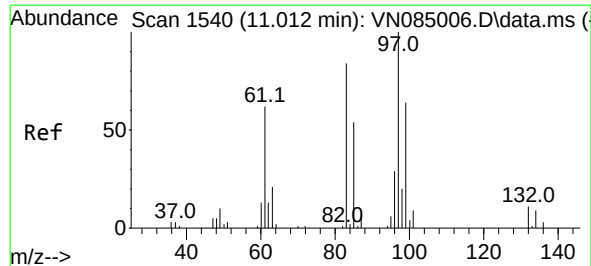
Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

39 47.0 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 20.326 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 36732

Ion Ratio Lower Upper

97 100

83 82.4 67.4 101.2

85 54.3 43.1 64.7

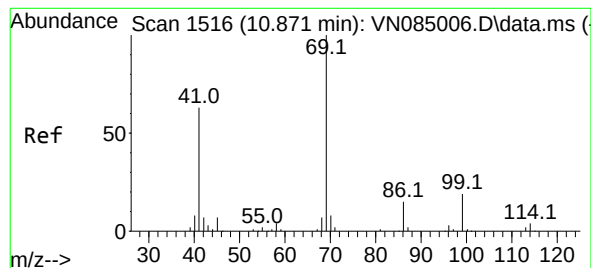
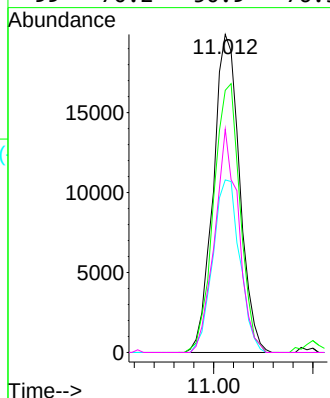
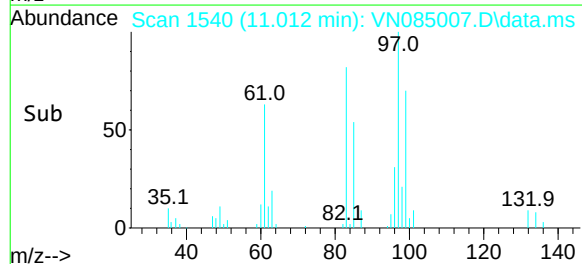
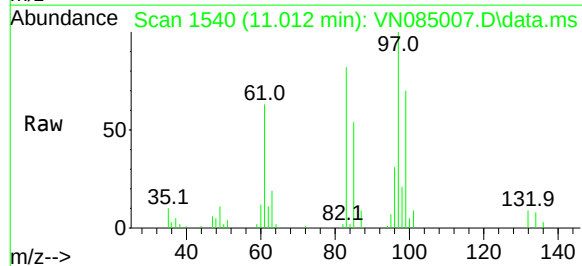
99 70.2 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 21.089 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

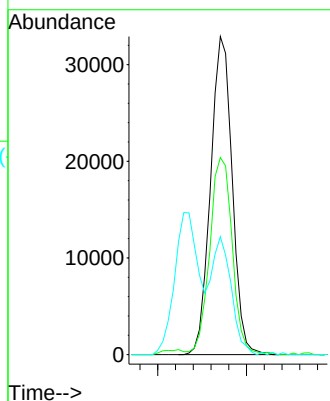
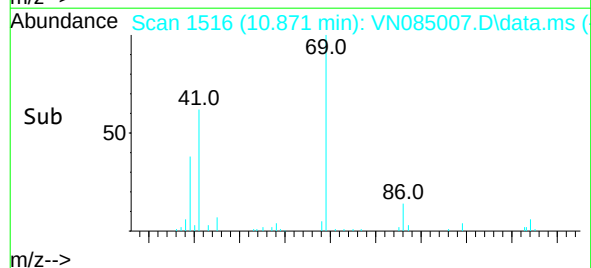
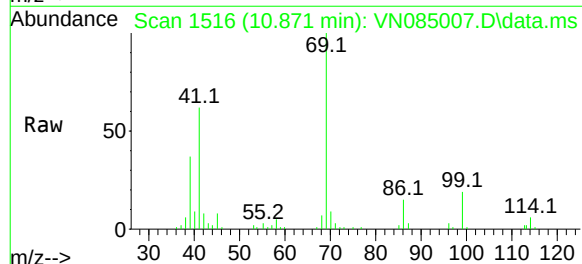
Tgt Ion: 69 Resp: 55691

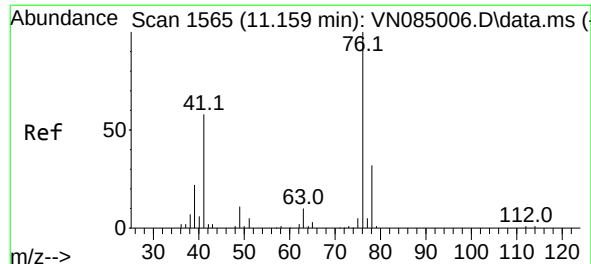
Ion Ratio Lower Upper

69 100

41 64.8 50.0 75.0

39 34.2 27.0 40.6





#57

1,3-Dichloropropane

Concen: 19.906 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085007.D

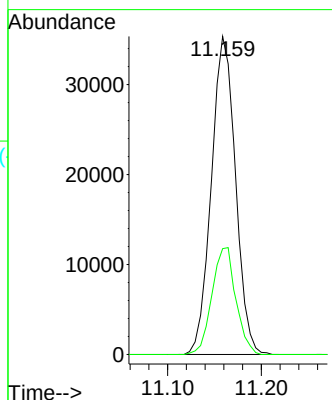
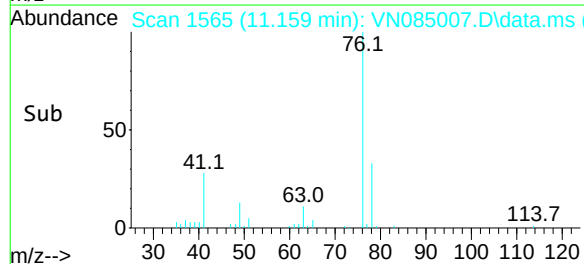
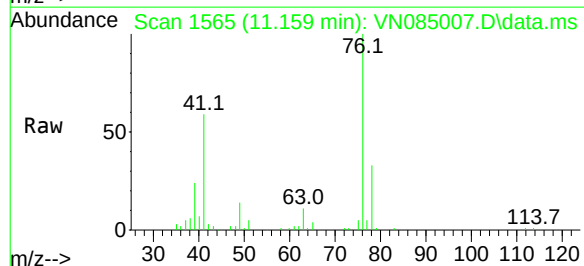
Acq: 22 Nov 2024 12:10

Tgt Ion: 76 Resp: 63314

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



Instrument :

MSVOA_N

ClientSampleId :

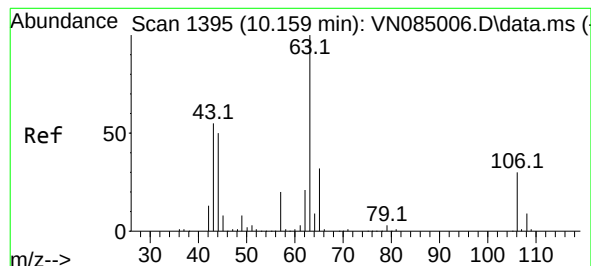
VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 106.227 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085007.D

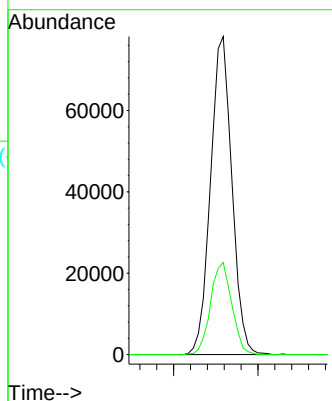
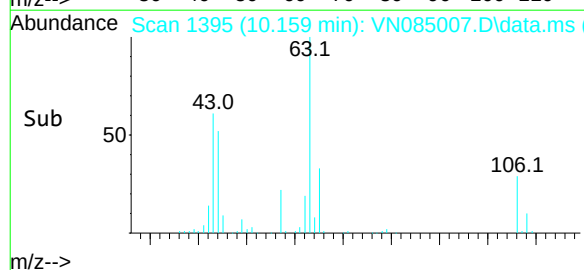
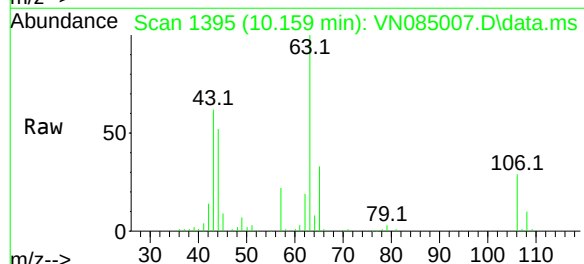
Acq: 22 Nov 2024 12:10

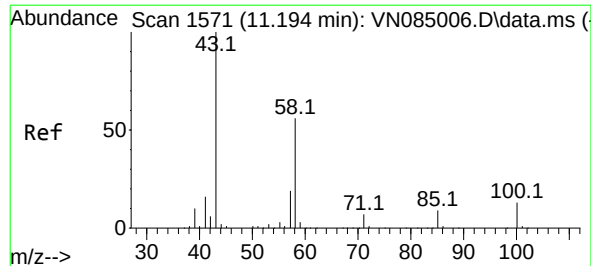
Tgt Ion: 63 Resp: 137602

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6





#59

2-Hexanone

Concen: 107.514 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085007.D

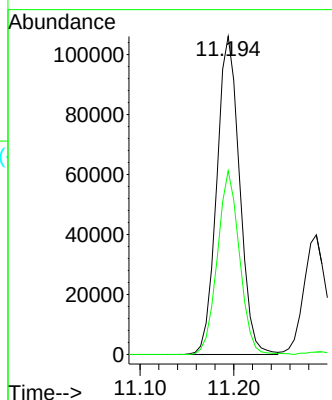
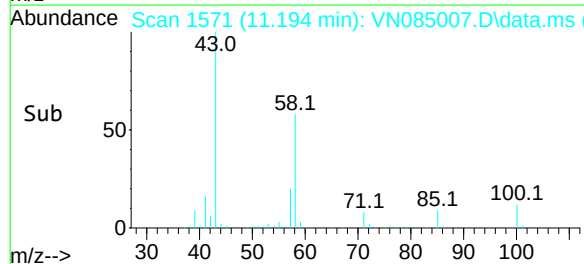
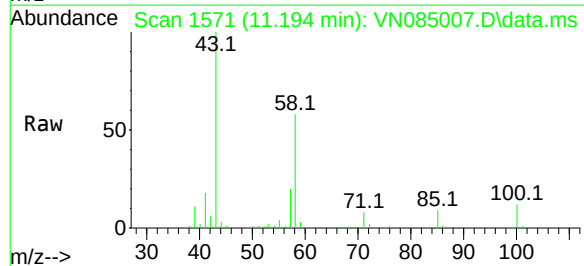
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 179717

Ion Ratio Lower Upper

43 100

58 55.7 28.3 85.0



Instrument :

MSVOA_N

ClientSampleId :

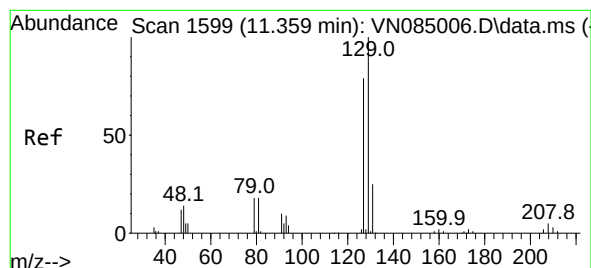
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 20.126 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN085007.D

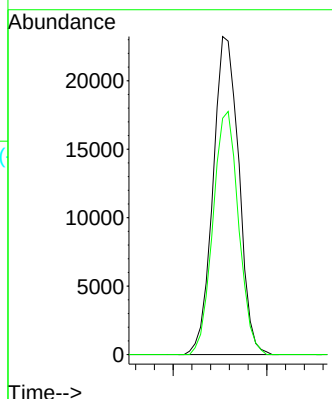
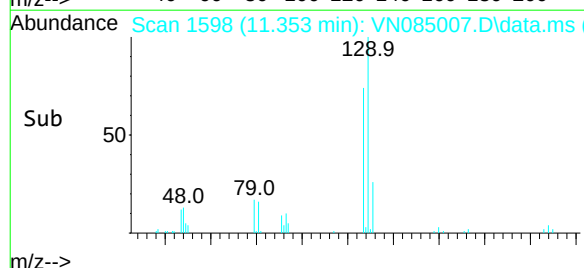
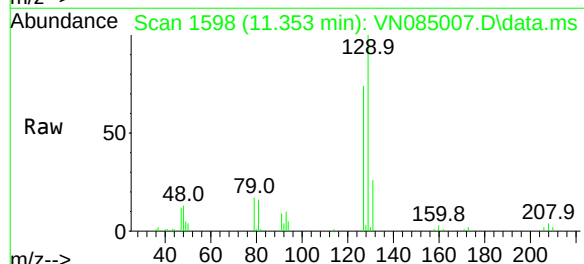
Acq: 22 Nov 2024 12:10

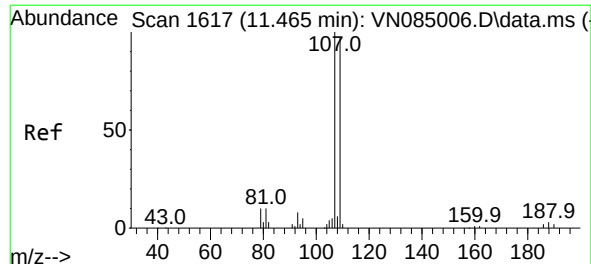
Tgt Ion:129 Resp: 44450

Ion Ratio Lower Upper

129 100

127 75.9 39.2 117.6





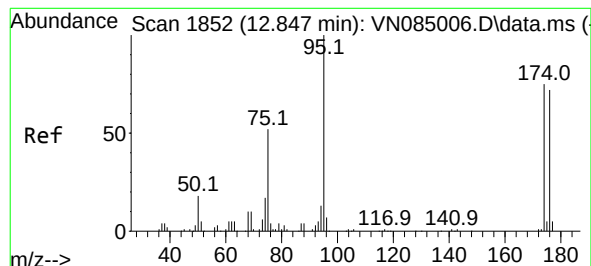
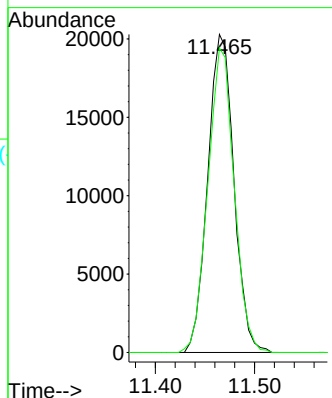
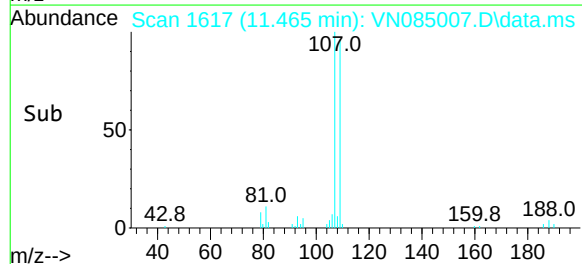
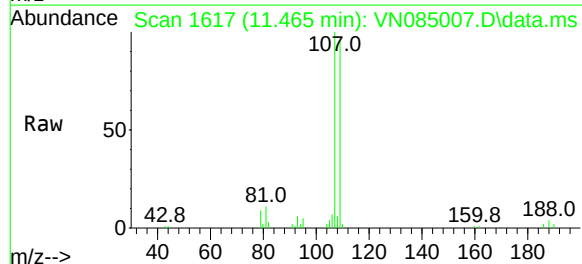
#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 107 Resp: 37228
Ion Ratio Lower Upper
107 100
109 96.2 76.1 114.1

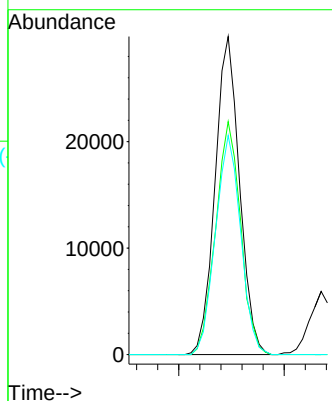
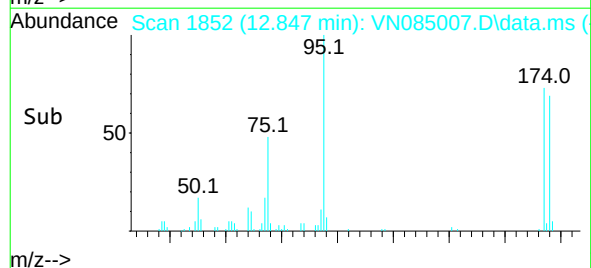
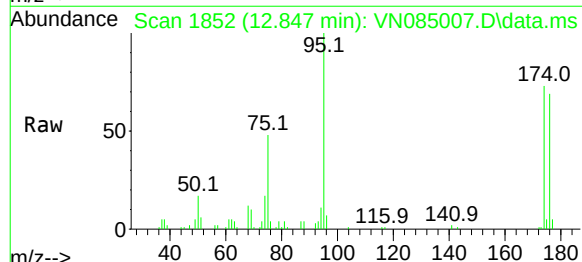
Manual Integrations
APPROVED

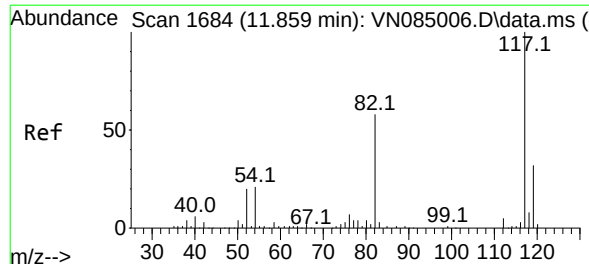
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193
Ion Ratio Lower Upper
95 100
174 74.7 0.0 146.6
176 70.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:117 Resp: 240895

Ion Ratio Lower Upper

117 100

82 56.9 46.0 69.0

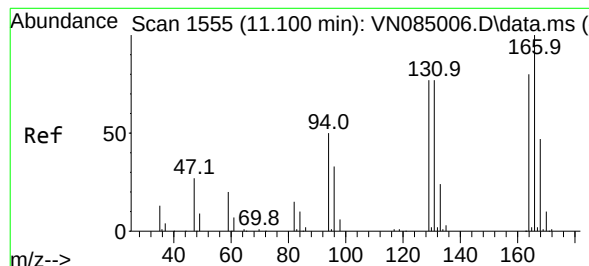
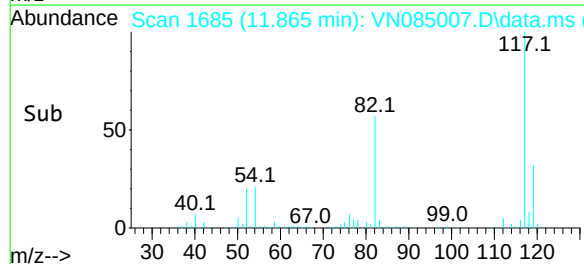
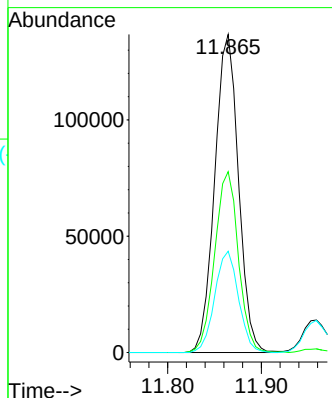
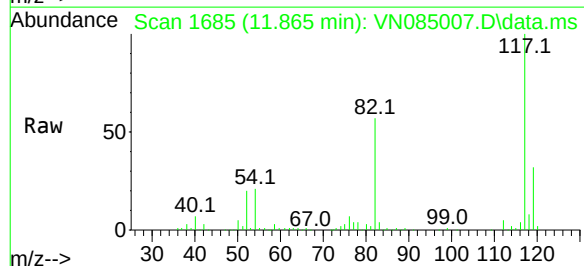
119 31.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 20.155 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

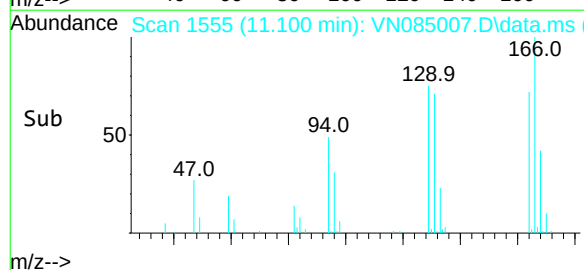
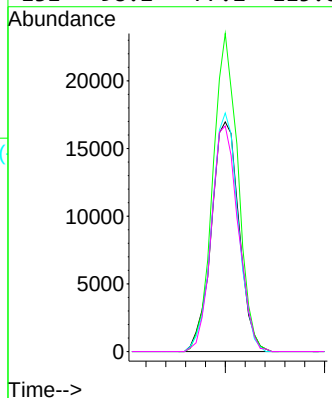
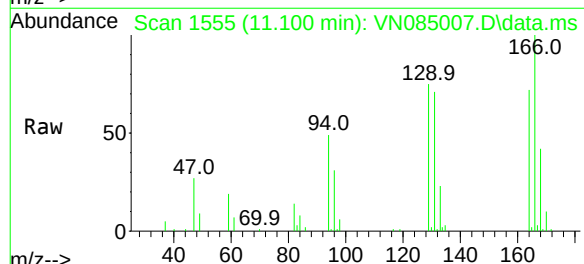
Ion Ratio Lower Upper

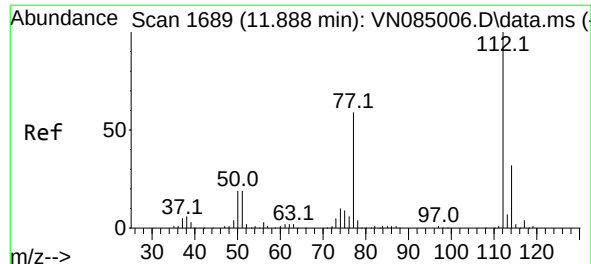
164 100

166 138.5 100.6 151.0

129 103.9 77.7 116.5

131 98.2 77.2 115.8





#65

Chlorobenzene

Concen: 19.815 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 108255

Ion Ratio Lower Upper

112 100

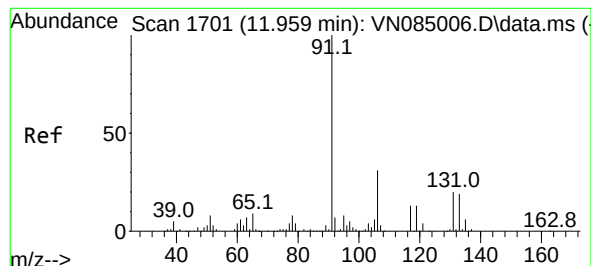
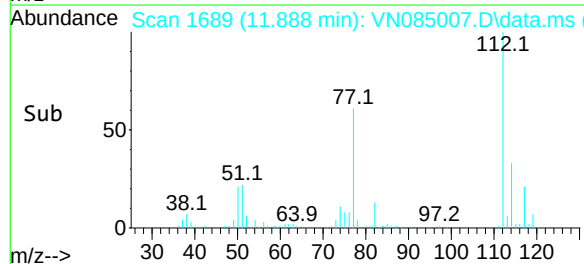
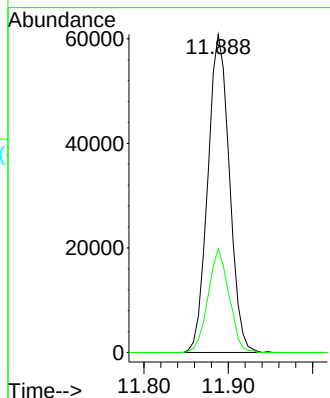
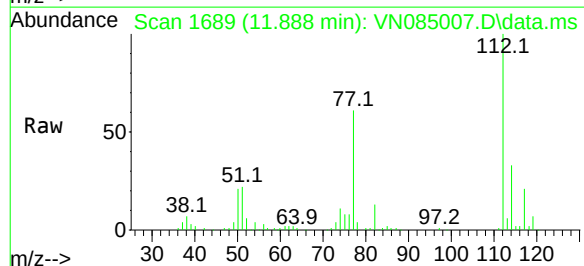
114 32.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 19.446 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

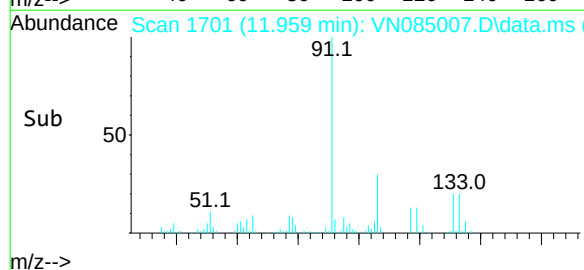
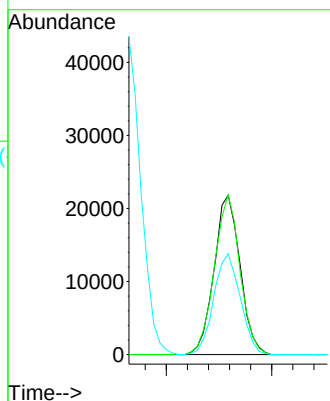
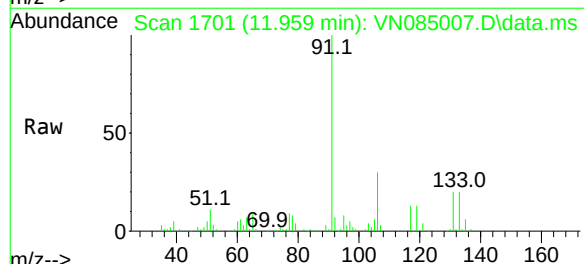
Tgt Ion:131 Resp: 37404

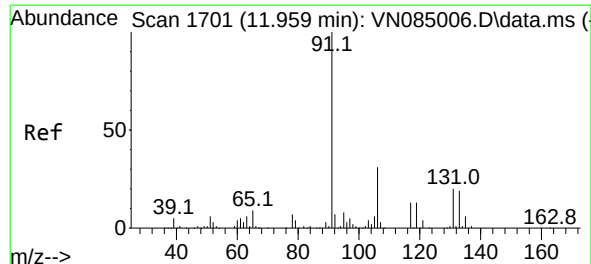
Ion Ratio Lower Upper

131 100

133 98.4 47.8 143.4

119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 20.440 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 181169

Ion Ratio Lower Upper

91 100

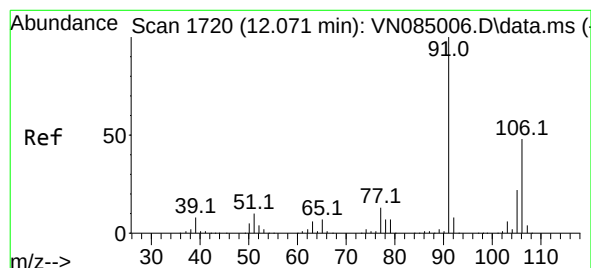
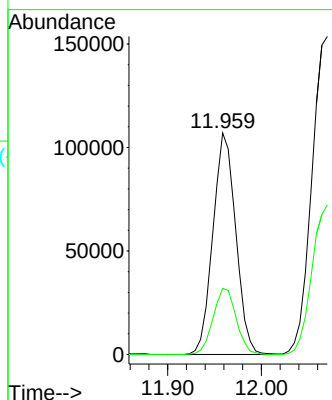
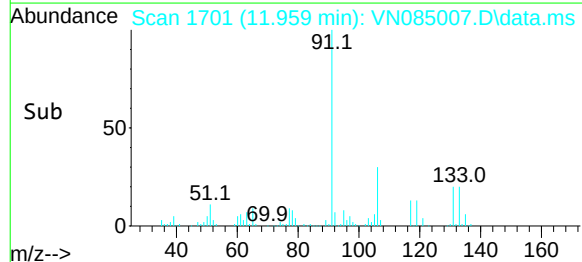
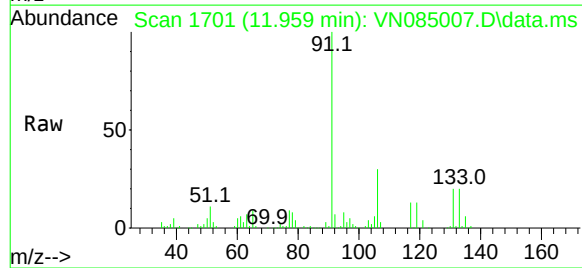
106 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 41.824 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085007.D

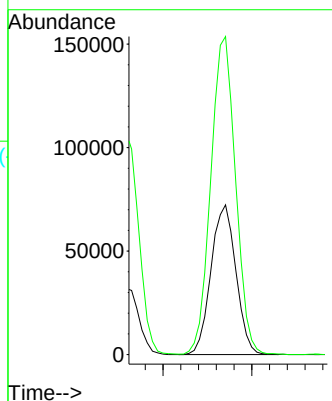
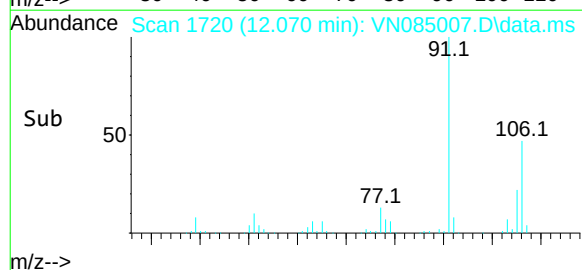
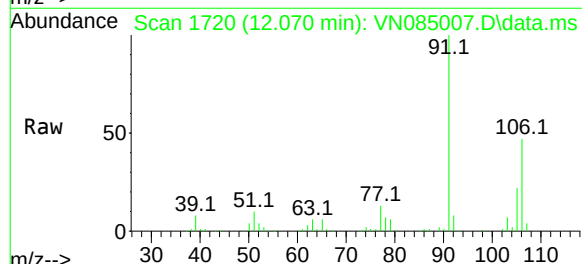
Acq: 22 Nov 2024 12:10

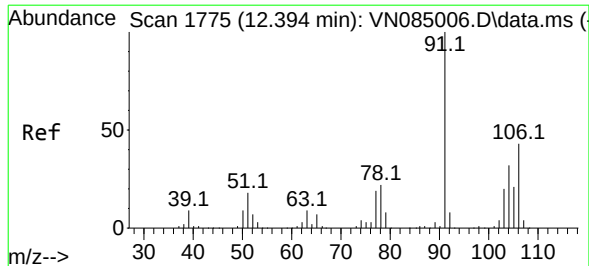
Tgt Ion:106 Resp: 141133

Ion Ratio Lower Upper

106 100

91 211.1 168.0 252.0





#69

o-Xylene

Concen: 20.565 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 66013

Ion Ratio Lower Upper

106 100

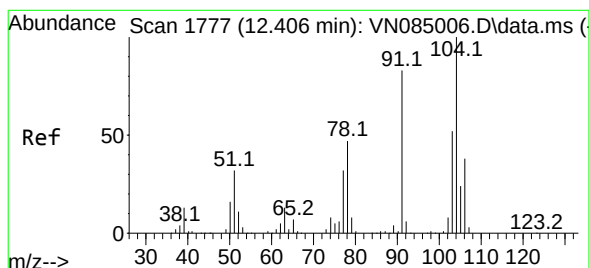
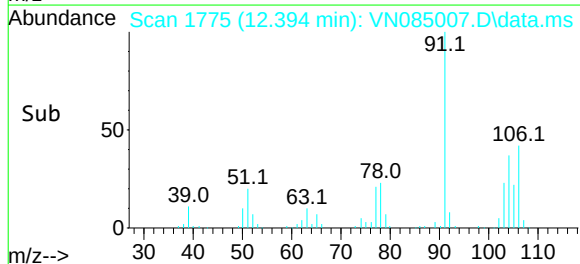
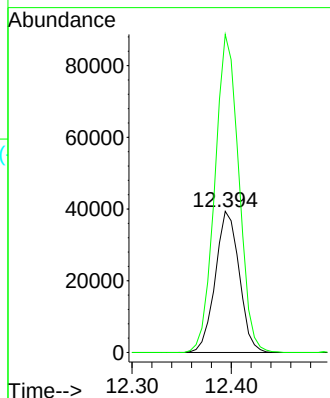
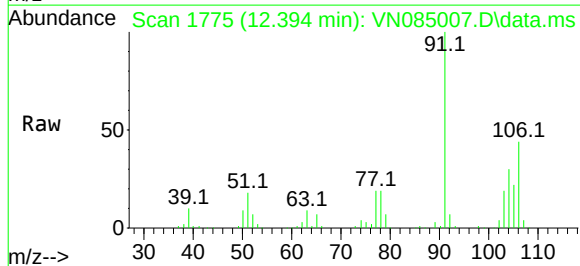
91 225.4 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 21.263 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

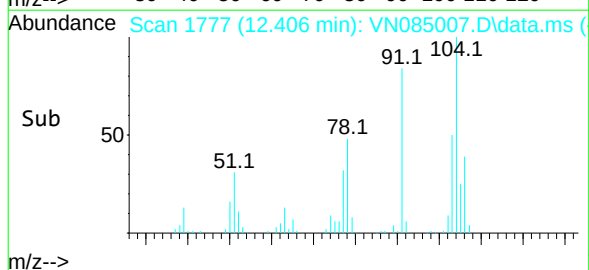
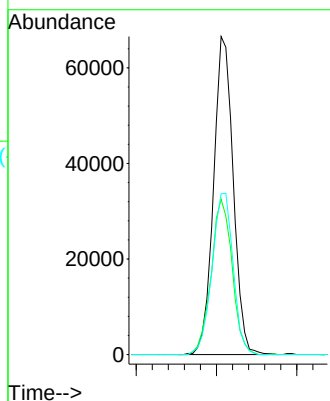
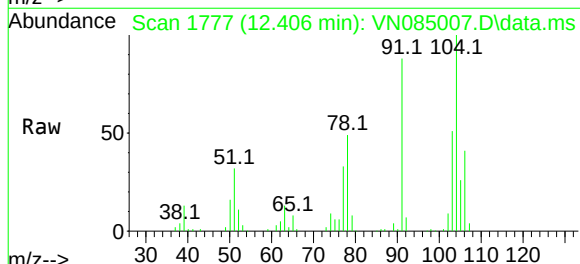
Tgt Ion:104 Resp: 113503

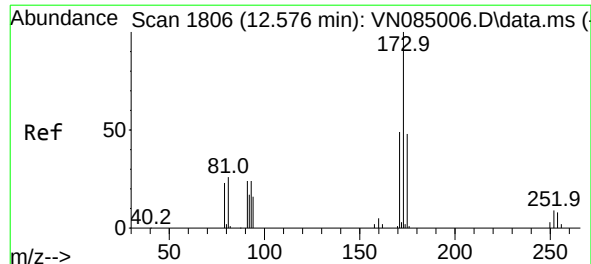
Ion Ratio Lower Upper

104 100

78 51.9 42.3 63.5

103 54.2 44.2 66.2





#71

Bromoform

Concen: 20.159 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

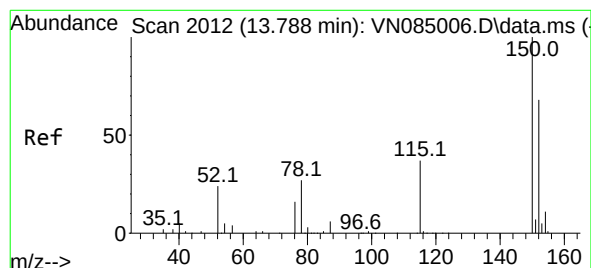
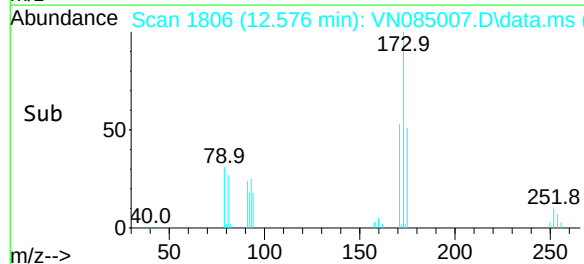
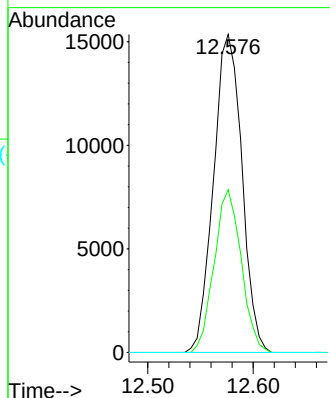
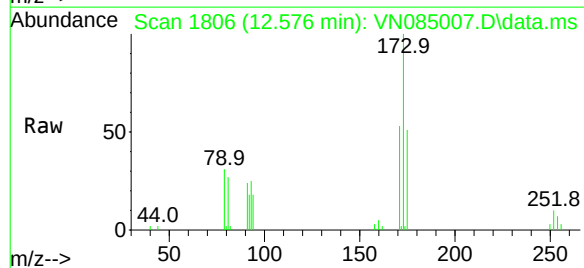
VSTDICC020

Tgt Ion:	173	Resp:	28783
Ion Ratio	Lower	Upper	
173	100		
175	48.7	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

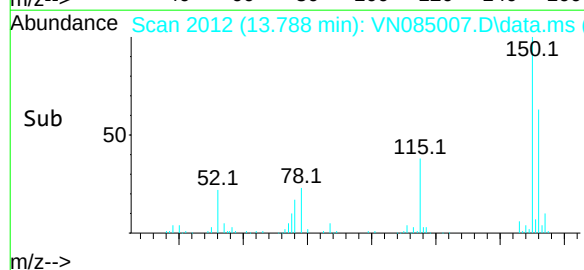
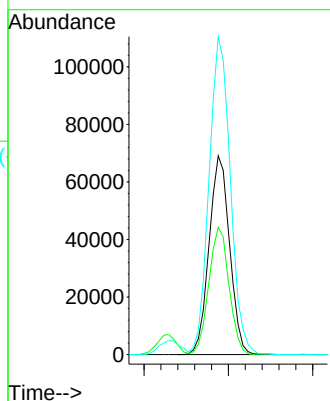
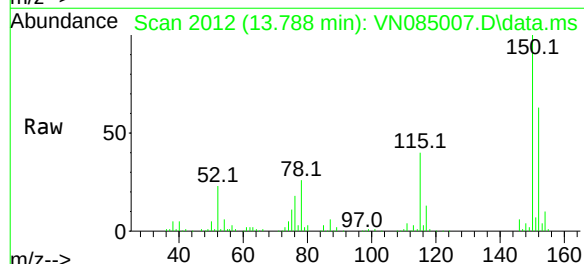
RT: 13.788 min Scan# 2012

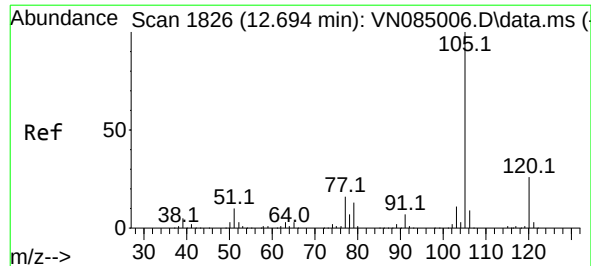
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	152	Resp:	116956
Ion Ratio	Lower	Upper	
152	100		
115	63.0	31.7	95.1
150	165.7	0.0	351.4





#73

Isopropylbenzene

Concen: 20.438 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 105 Resp: 168631

Ion Ratio Lower Upper

105 100

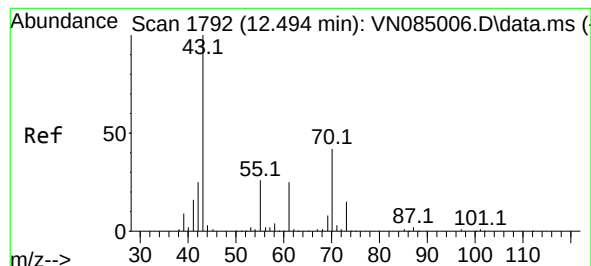
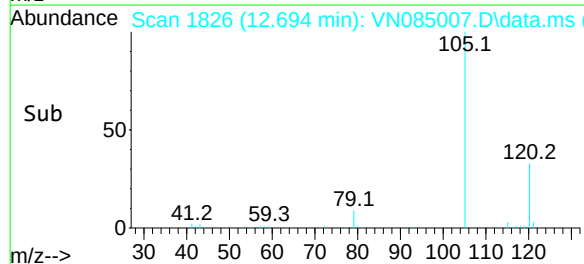
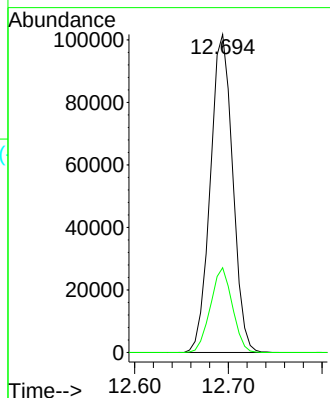
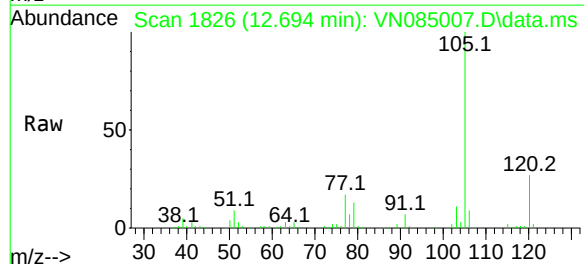
120 26.1 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 21.238 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

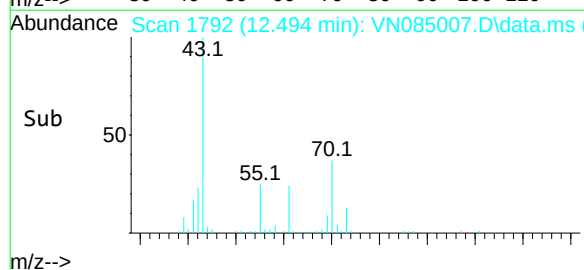
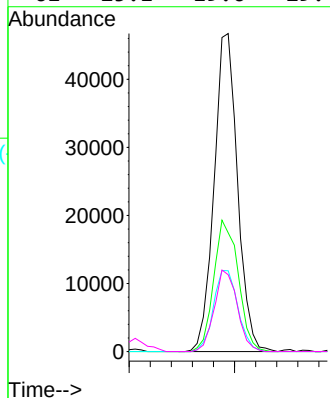
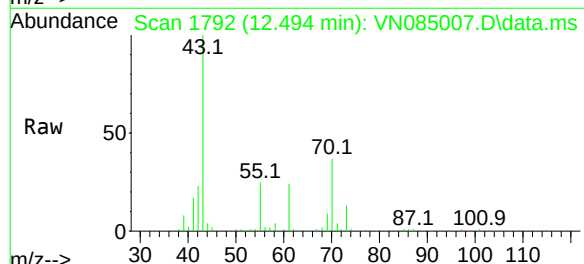
Ion Ratio Lower Upper

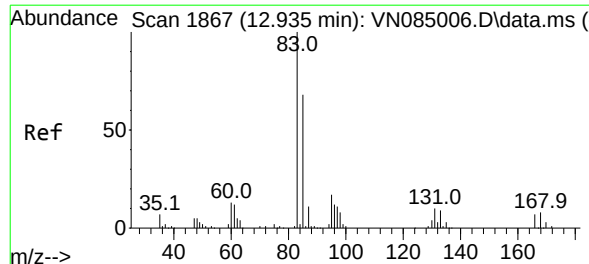
43 100

70 43.1 34.6 51.8

55 26.6 20.5 30.7

61 25.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.127 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

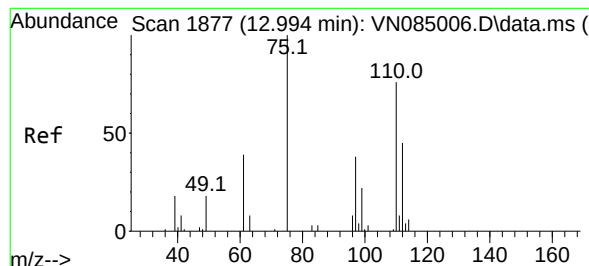
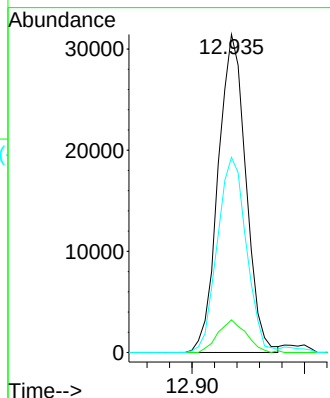
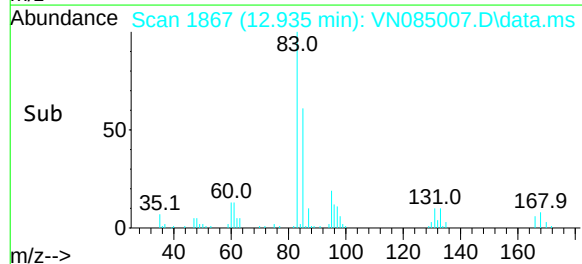
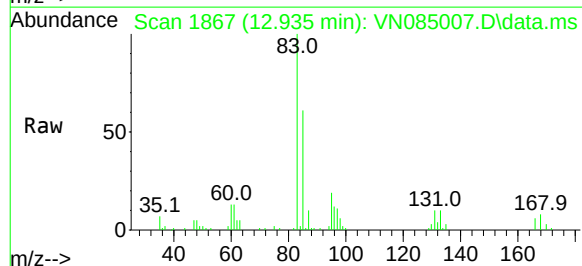
Tgt Ion:	83	Resp:	53889
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	64.1	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 19.951 ug/l m

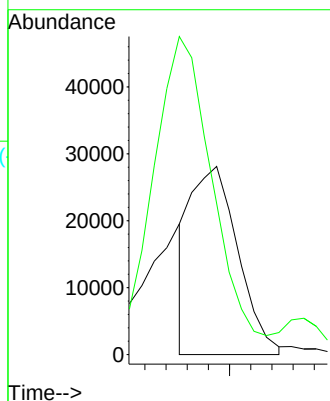
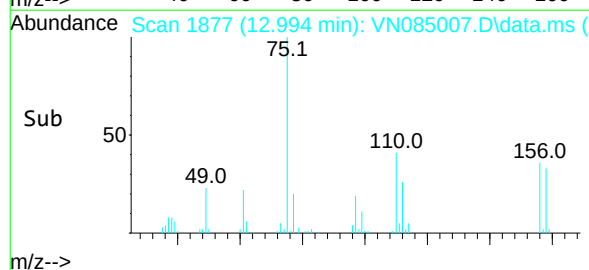
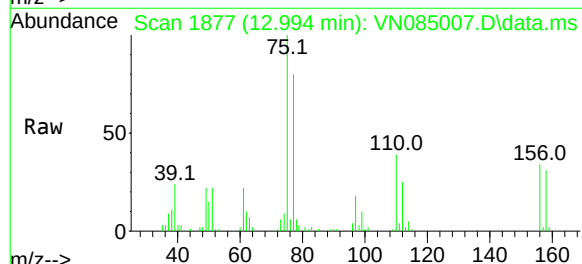
RT: 12.994 min Scan# 1877

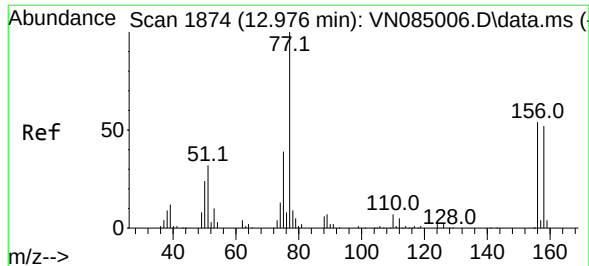
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	75	Resp:	43650
Ion	Ratio	Lower	Upper
75	100		
77	215.1	109.1	327.4





#77

Bromobenzene

Concen: 19.500 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085007.D

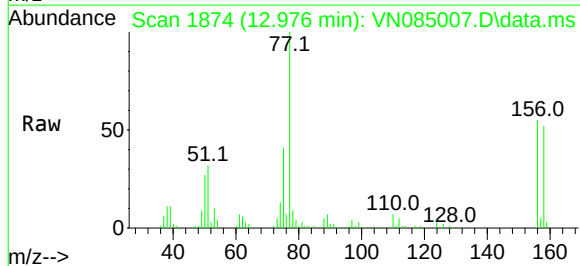
Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

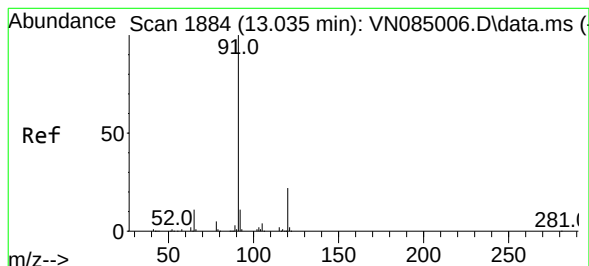
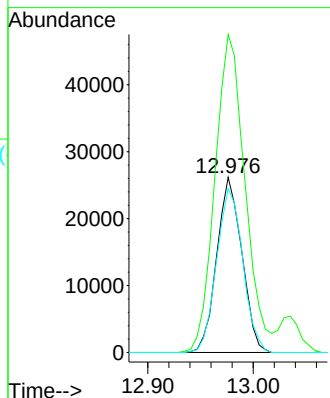
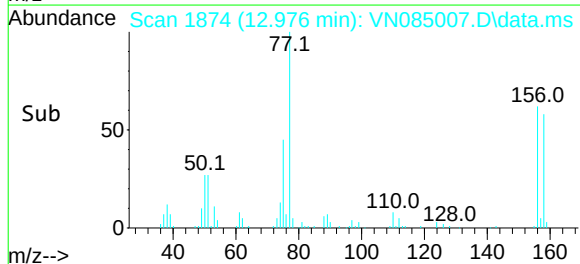
VSTDIC020



Tgt Ion:	156	Resp:	43298
Ion	Ratio	Lower	Upper
156	100		
77	216.9	107.2	321.6
158	97.6	48.5	145.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 20.653 ug/l

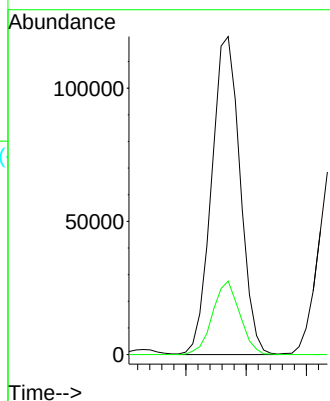
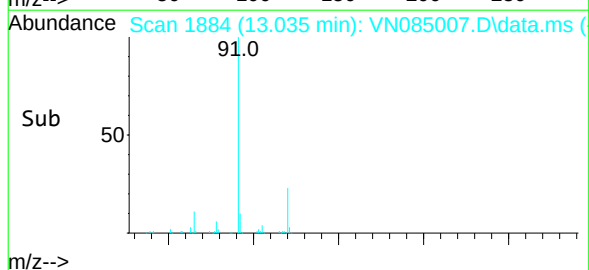
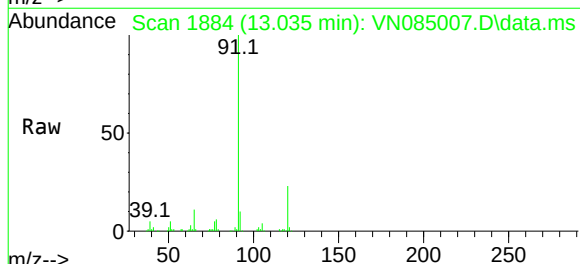
RT: 13.035 min Scan# 1884

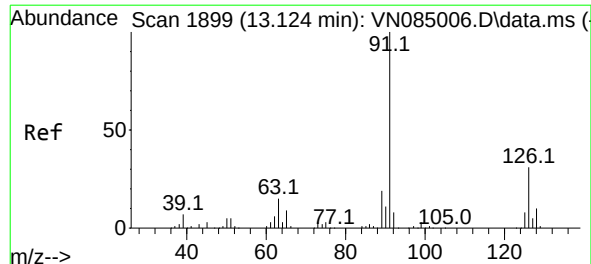
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	91	Resp:	196551
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.261 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 128714

Ion Ratio Lower Upper

91 100

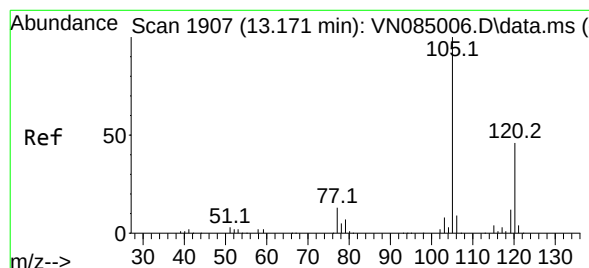
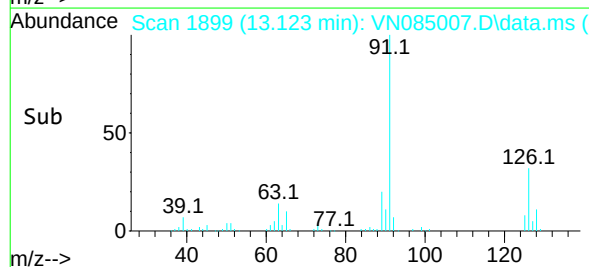
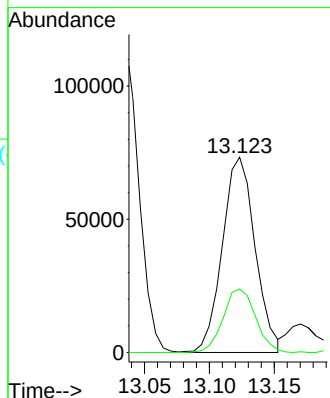
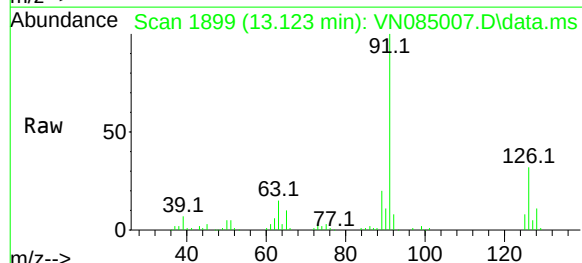
126 32.2 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.048 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085007.D

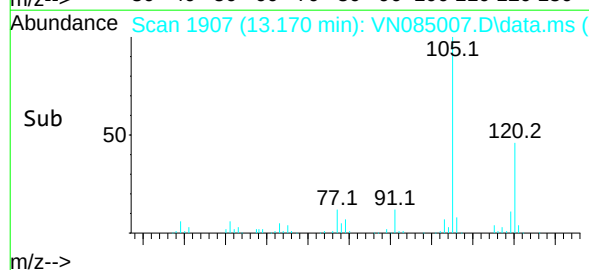
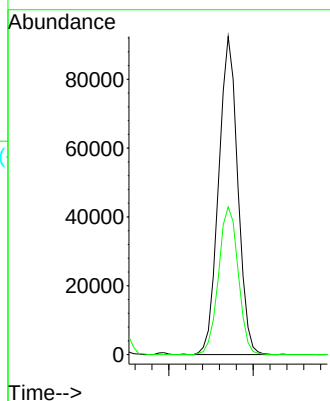
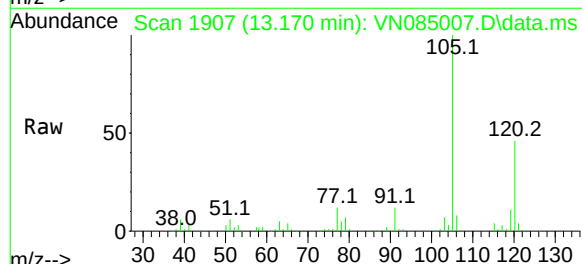
Acq: 22 Nov 2024 12:10

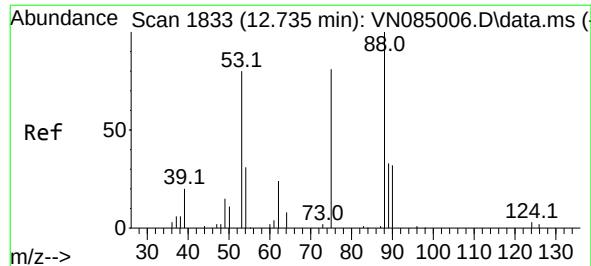
Tgt Ion:105 Resp: 145726

Ion Ratio Lower Upper

105 100

120 47.6 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.144 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085007.D

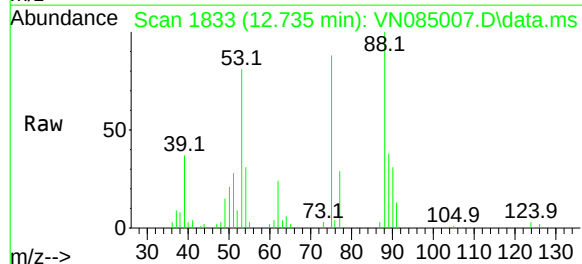
Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

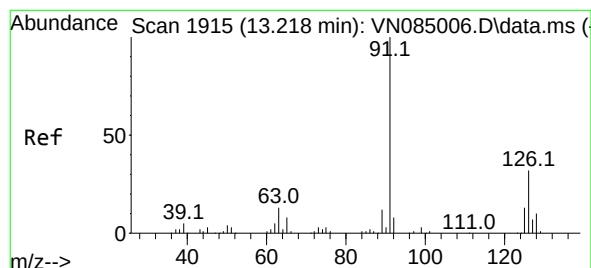
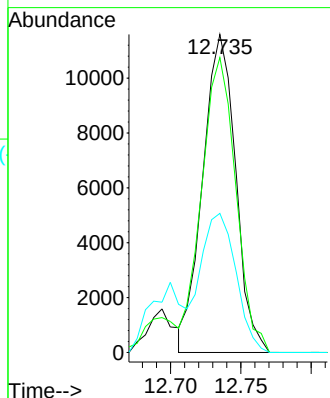
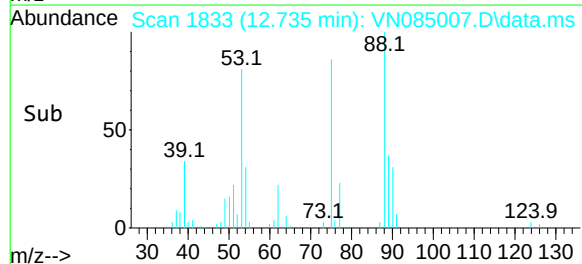
VSTDICC020



Tgt Ion:	75	Resp:	18860
Ion	Ratio	Lower	Upper
75	100		
53	96.4	78.2	117.4
89	46.7	37.9	56.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 20.131 ug/l

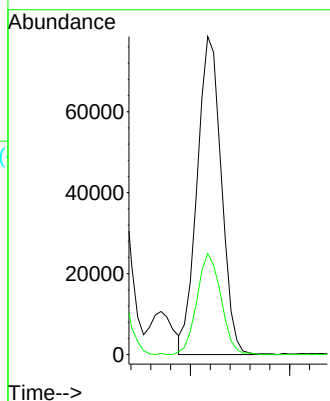
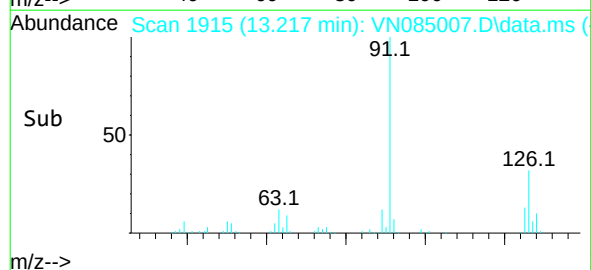
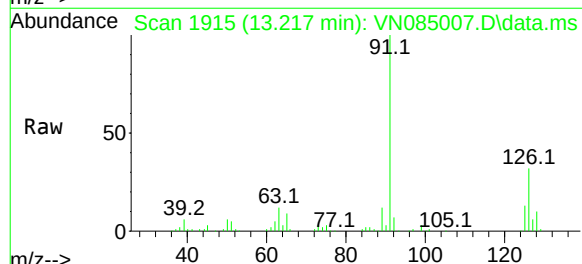
RT: 13.217 min Scan# 1915

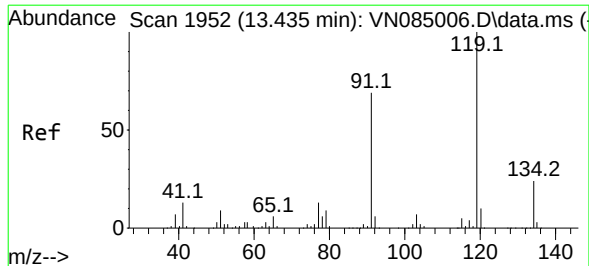
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	91	Resp:	133131
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3





#83

tert-Butylbenzene

Concen: 20.344 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:119 Resp: 121188

Ion Ratio Lower Upper

119 100

91 71.2 35.1 105.5

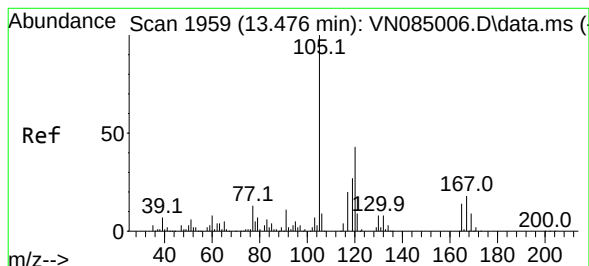
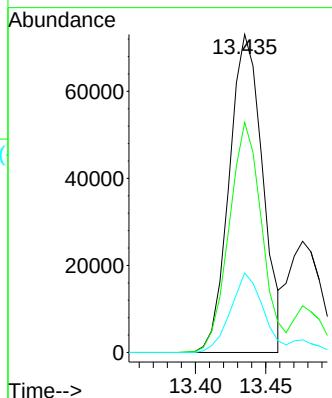
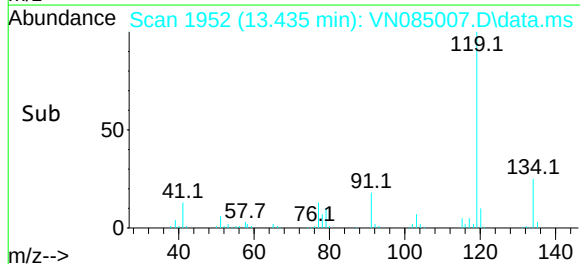
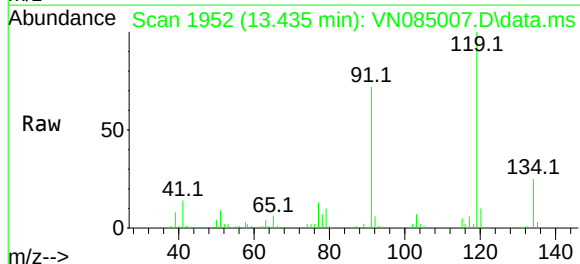
134 24.3 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.974 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN085007.D

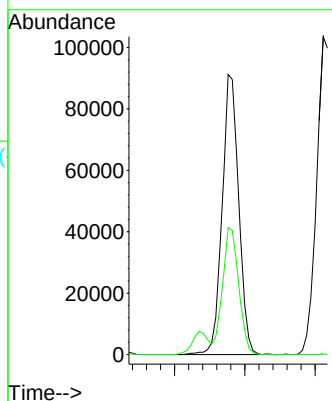
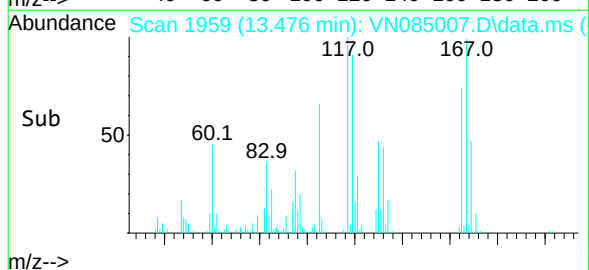
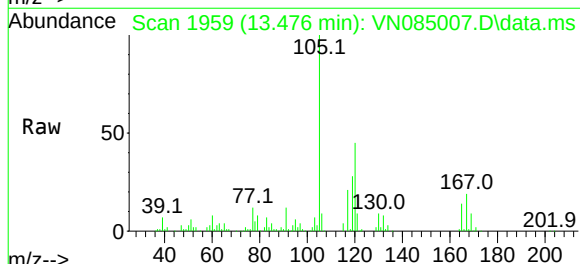
Acq: 22 Nov 2024 12:10

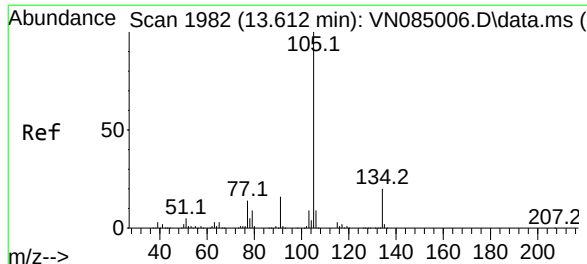
Tgt Ion:105 Resp: 149479

Ion Ratio Lower Upper

105 100

120 44.4 21.8 65.4





#85

sec-Butylbenzene

Concen: 20.885 ug/l

RT: 13.611 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 168068

Ion Ratio Lower Upper

105 100

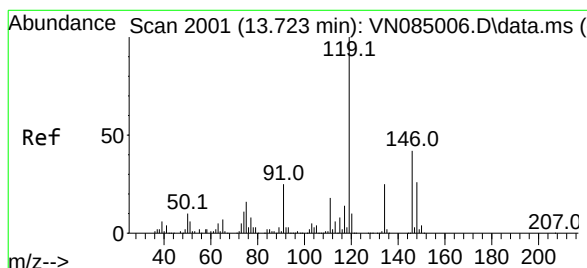
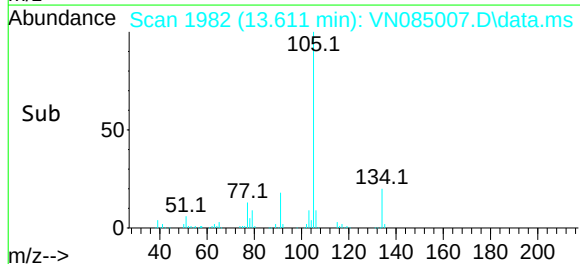
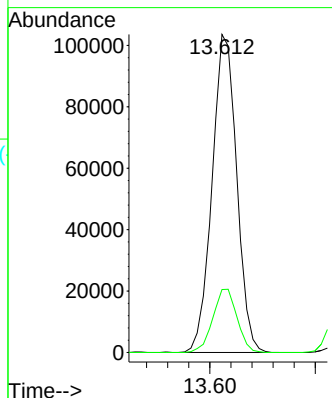
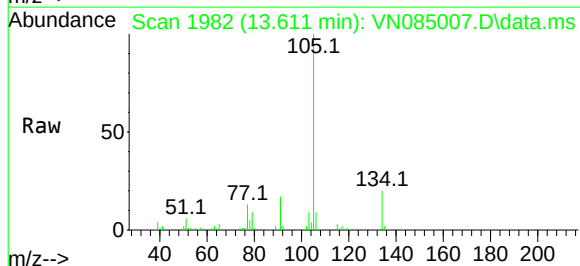
134 19.6 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 21.653 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

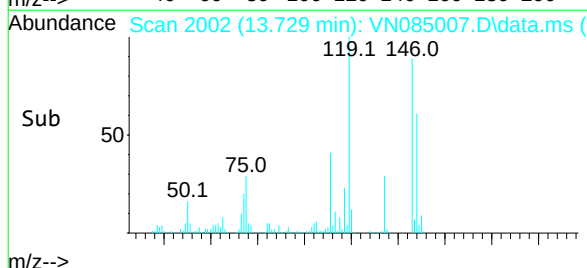
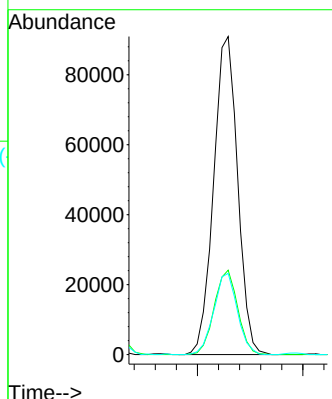
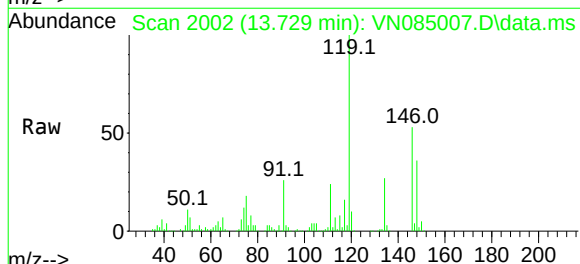
Tgt Ion:119 Resp: 143841

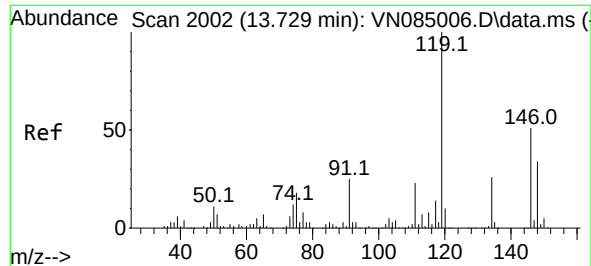
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 25.0 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 19.066 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

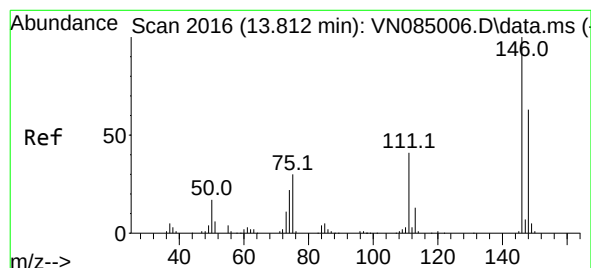
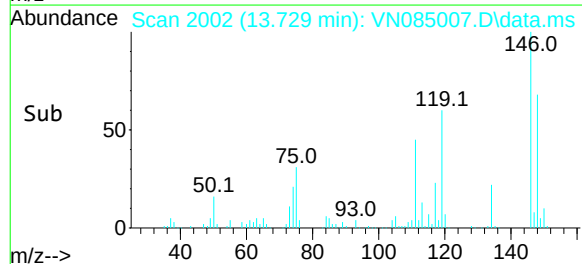
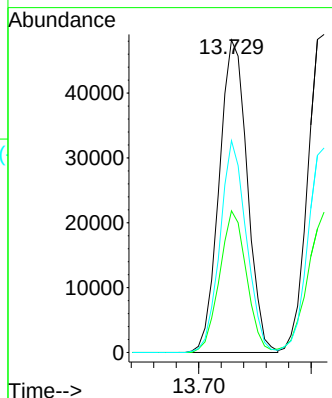
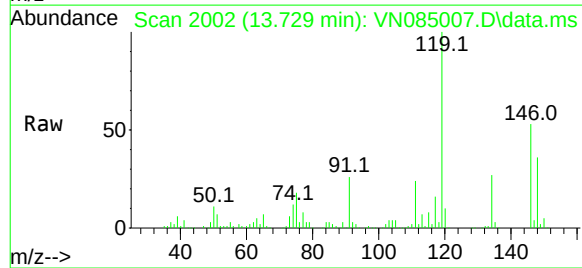
ClientSampleId :

VSTDICC020

Tgt Ion:	146	Resp:	83500
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.6	65.0
148	63.9	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 19.041 ug/l

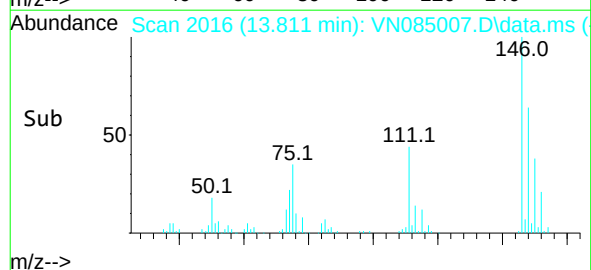
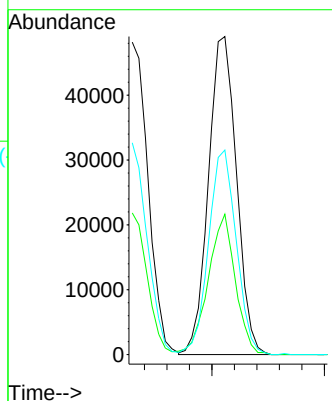
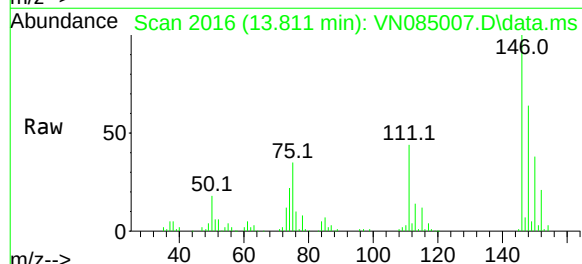
RT: 13.811 min Scan# 2016

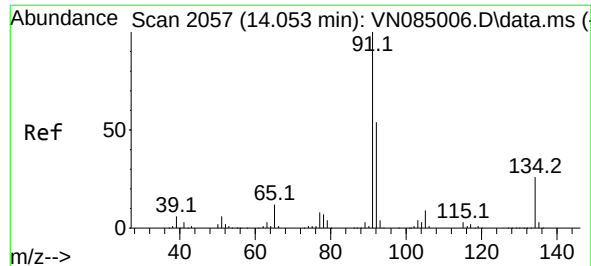
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	146	Resp:	85098
Ion Ratio	Lower	Upper	
146	100		
111	42.7	20.9	62.8
148	63.5	31.3	93.9





#89

n-Butylbenzene

Concen: 19.790 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

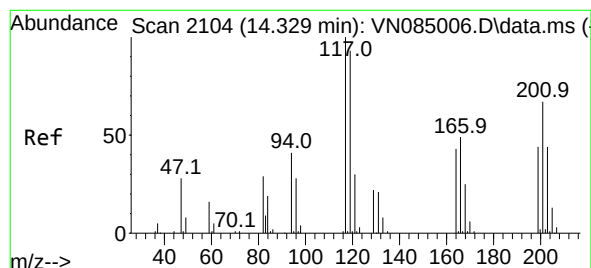
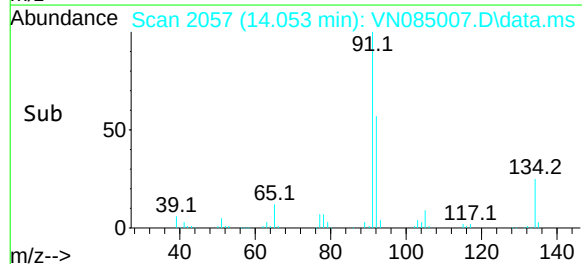
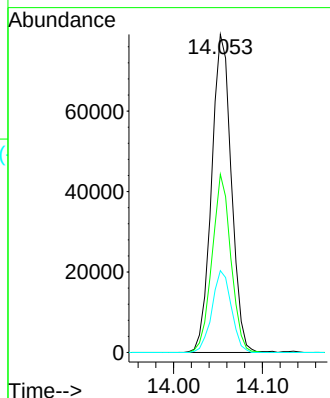
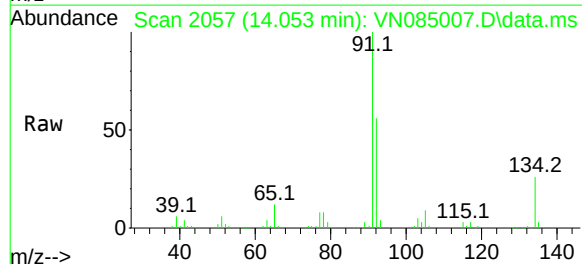
VSTDICC020

Tgt Ion:	91	Resp:	122257
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	25.1	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 19.267 ug/l

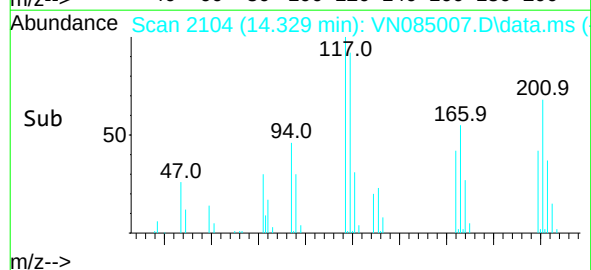
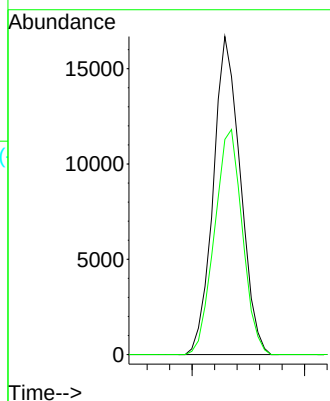
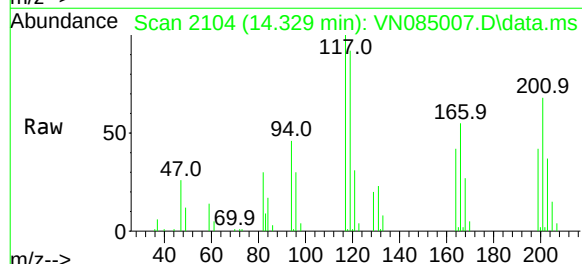
RT: 14.329 min Scan# 2104

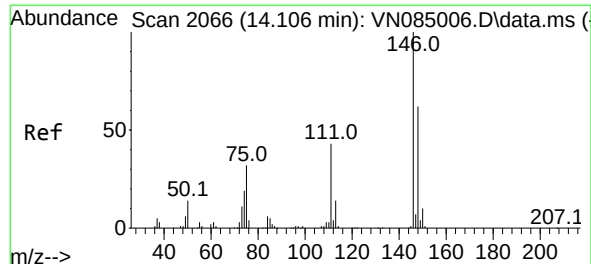
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	117	Resp:	27899
Ion	Ratio	Lower	Upper
117	100		
201	72.9	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 19.579 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 82164

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.8

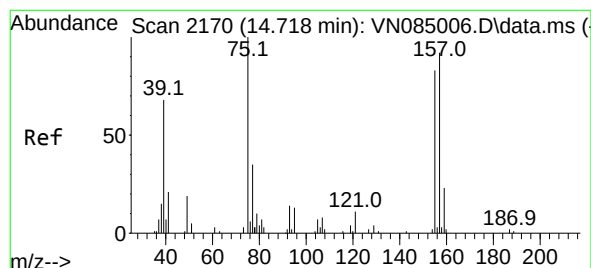
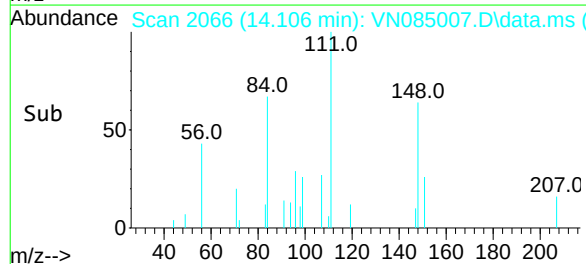
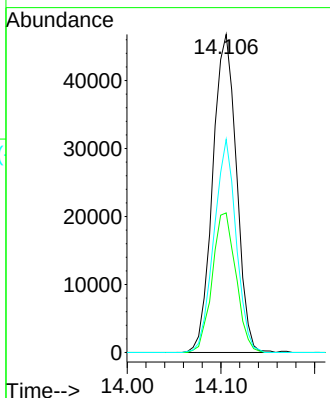
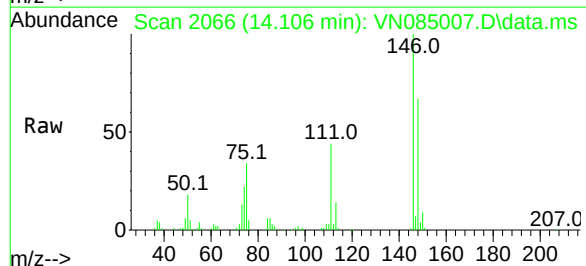
148 62.9 31.1 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.517 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

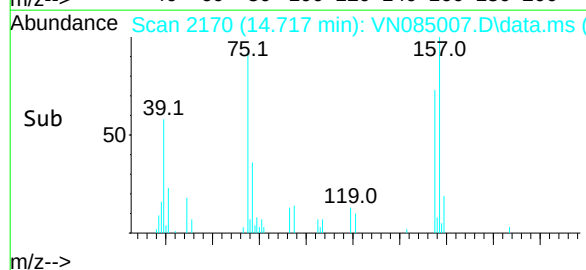
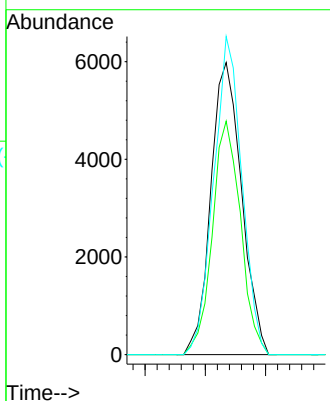
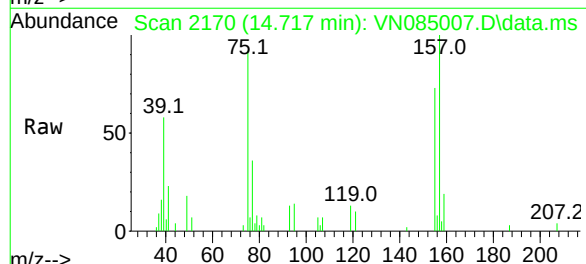
Tgt Ion: 75 Resp: 10633

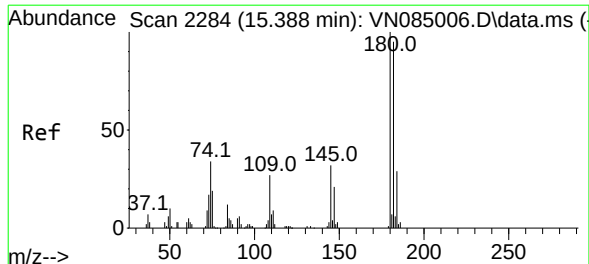
Ion Ratio Lower Upper

75 100

155 73.2 38.9 116.7

157 99.9 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 19.467 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

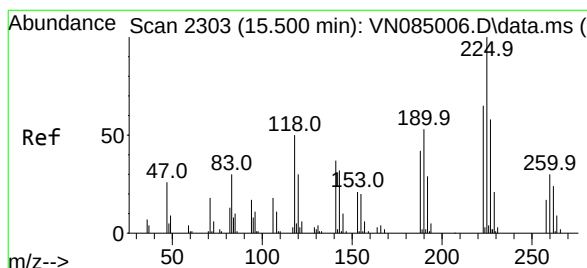
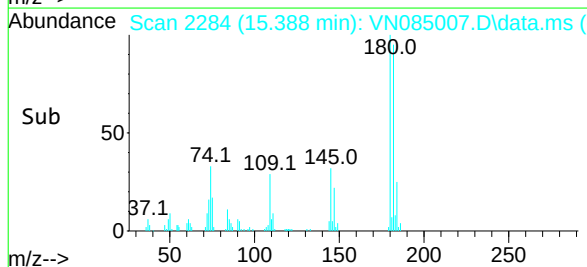
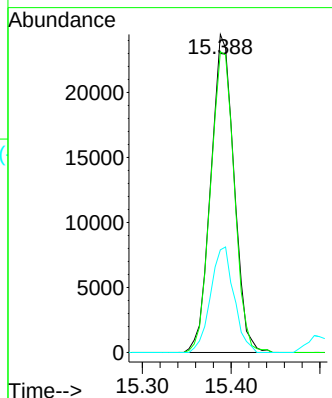
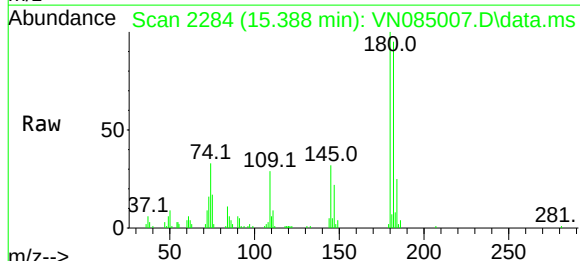
ClientSampleId :

VSTDIC020

Tgt Ion:	180	Resp:	44383
Ion Ratio	Lower	Upper	
180	100		
182	96.5	46.9	140.8
145	33.4	16.3	48.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 19.618 ug/l

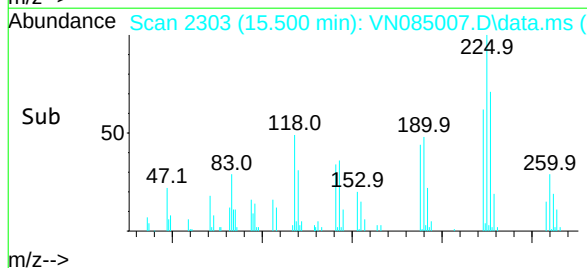
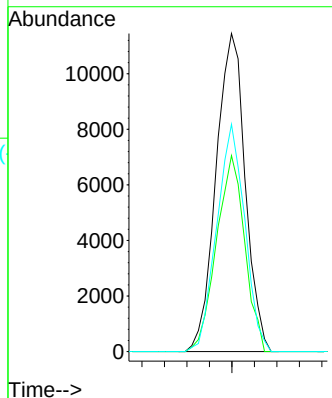
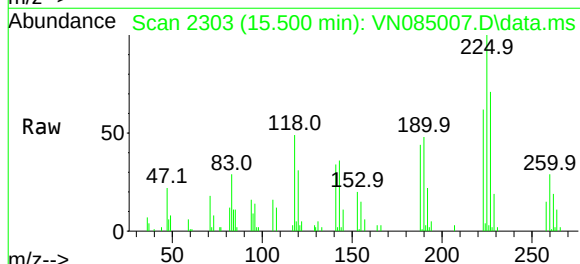
RT: 15.500 min Scan# 2303

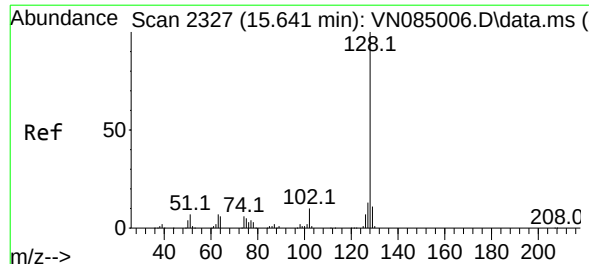
Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:	225	Resp:	20642
Ion Ratio	Lower	Upper	
225	100		
223	59.6	30.9	92.8
227	68.7	31.5	94.5





#95

Naphthalene

Concen: 20.454 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:128 Resp: 132816

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

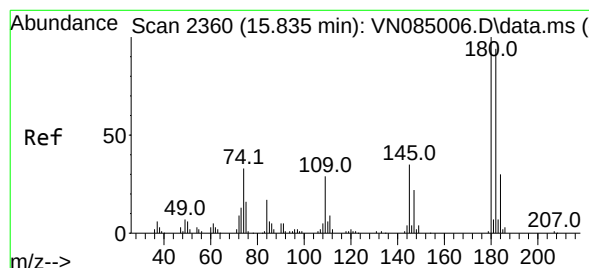
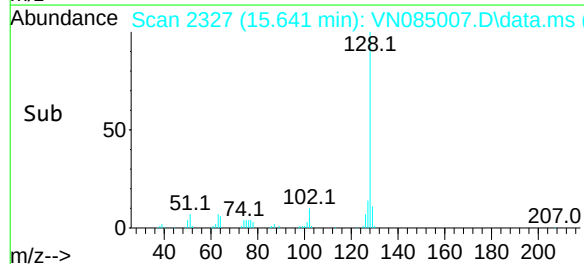
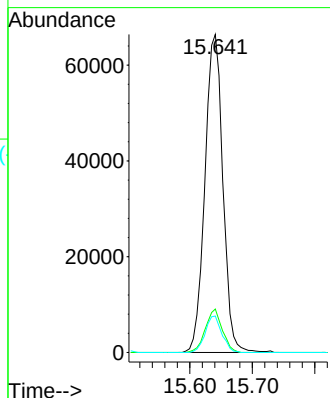
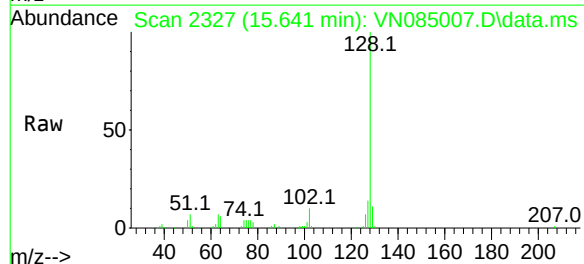
129 10.6 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 20.293 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

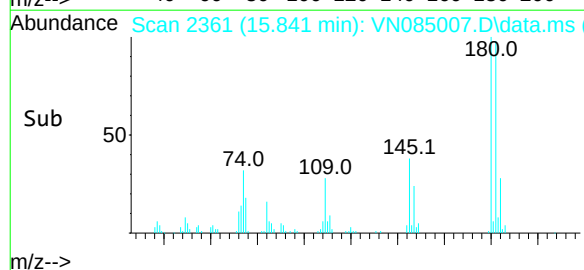
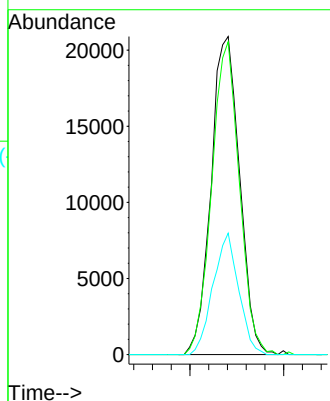
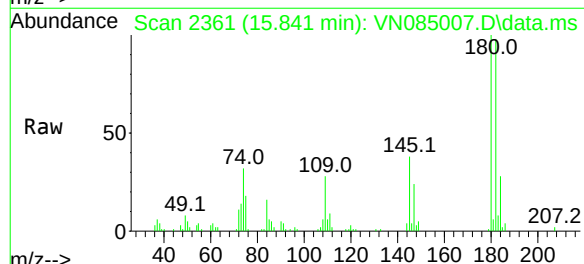
Tgt Ion:180 Resp: 44145

Ion Ratio Lower Upper

180 100

182 95.1 46.4 139.2

145 34.3 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 23 01:56:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	20.640%#
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	19.600%#
50) Toluene-d8	10.559	98	64656	9.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	19.220%#
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	19.380%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l	98
3) Chloromethane	2.359	50	19463	9.194	ug/l	93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l	99
5) Bromomethane	2.901	94	10681	10.017	ug/l	99
6) Chloroethane	3.077	64	12602	9.828	ug/l #	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l	98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l	98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l	95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l #	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l	93
13) Acrolein	4.183	56	10601	51.710	ug/l	99
14) Allyl chloride	5.006	41	28006	9.697	ug/l	97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l	98
16) Acetone	4.430	43	32743	48.900	ug/l	99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l #	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l	96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l	92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l	99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l	100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l #	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l	95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l	99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l	95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l	99
30) Chloroform	7.959	83	34651	9.365	ug/l	98
31) Cyclohexane	8.253	56	29526	9.641	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l	98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l	99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l #	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l	97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l	96
40) Benzene	8.600	78	75597	9.404	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l	99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l	100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l	95
44) Trichloroethene	9.347	130	17835	9.547	ug/l	90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l	98
46) Dibromomethane	9.706	93	12540	9.114	ug/l	96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l	95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l	95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l	100
52) Toluene	10.630	92	44072	9.261	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l	98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l	99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l	97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l	98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l	97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l	95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l	94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l	98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l	95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l	98
69) o-Xylene	12.394	106	30067	9.618	ug/l	95
70) Styrene	12.412	104	50150	9.647	ug/l	99
71) Bromoform	12.576	173	12832	9.228	ug/l #	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l	98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16940m	8.206	ug/l	
77) Bromobenzene	12.976	156	19904	9.500	ug/l	99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l	98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l	99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l	100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l	99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l	99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l	99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l	100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l	97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l	98
95) Naphthalene	15.641	128	54191	8.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

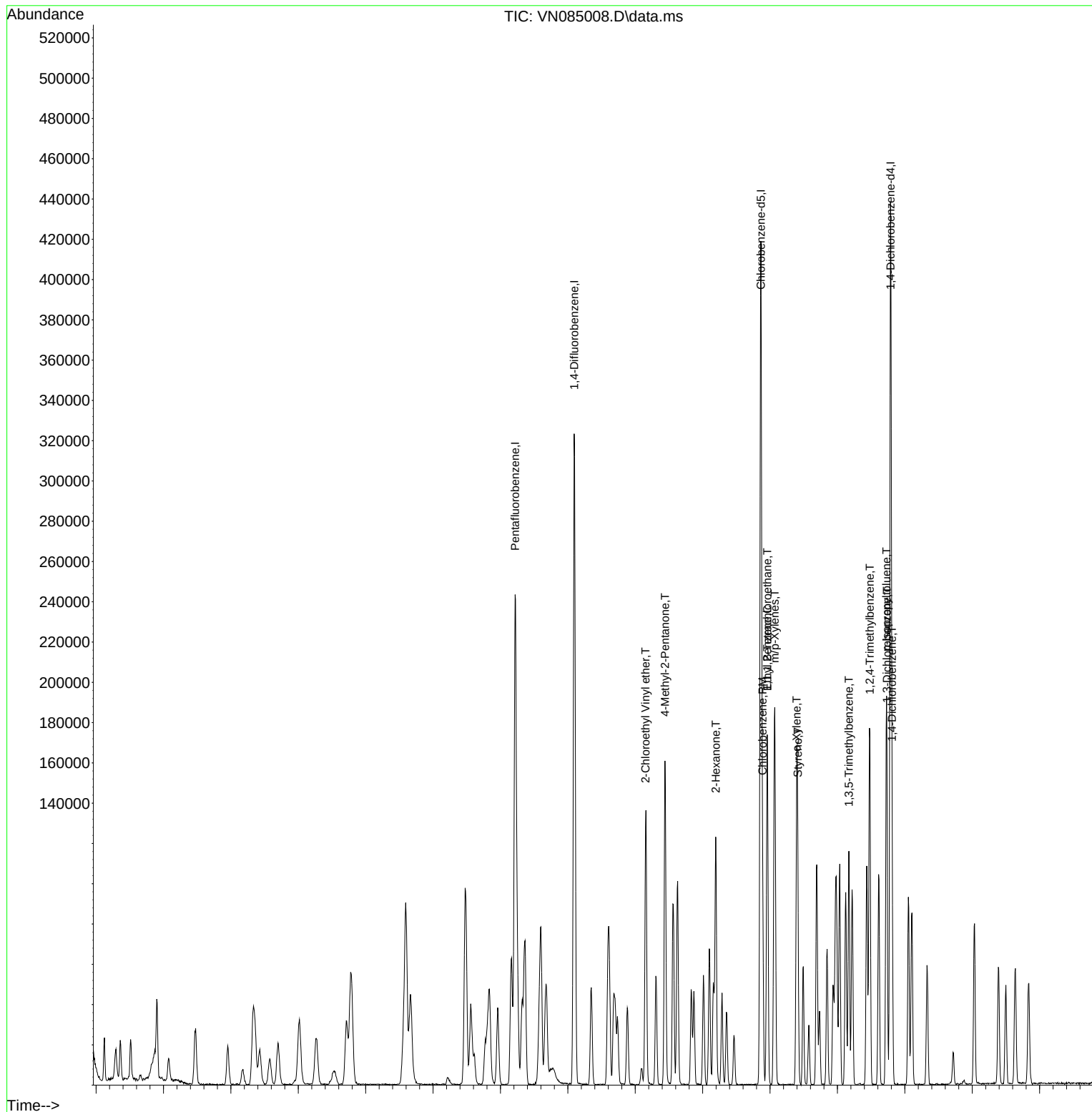
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Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

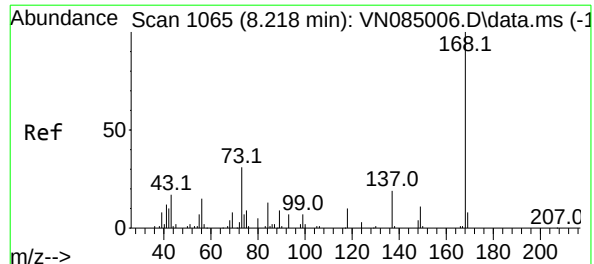
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

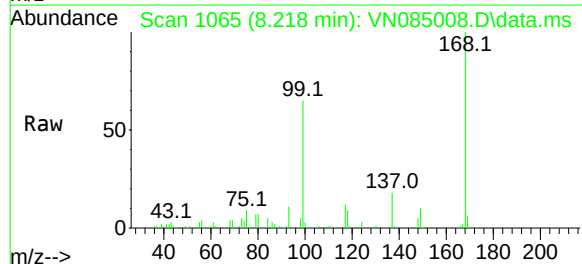
Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

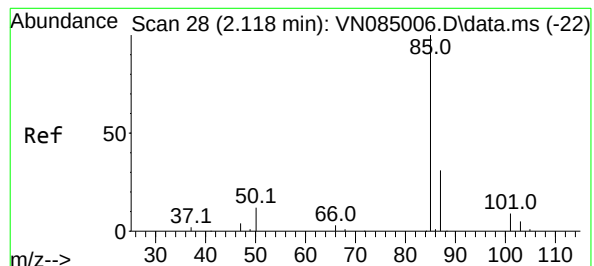
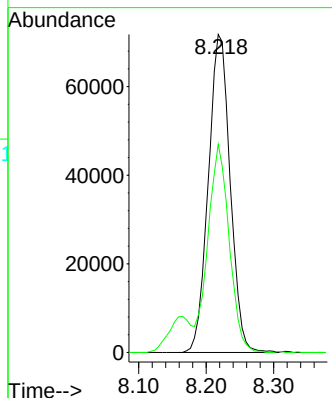
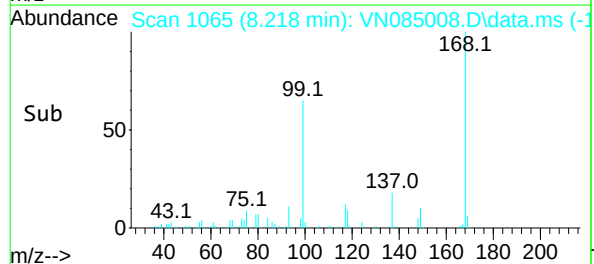
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 168 Resp: 161407
Ion Ratio Lower Upper
168 100
99 65.2 51.2 76.8

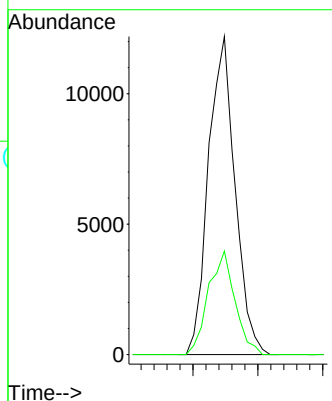
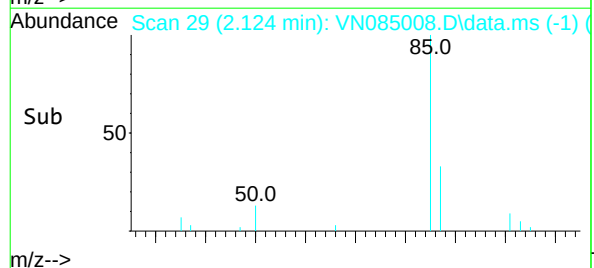
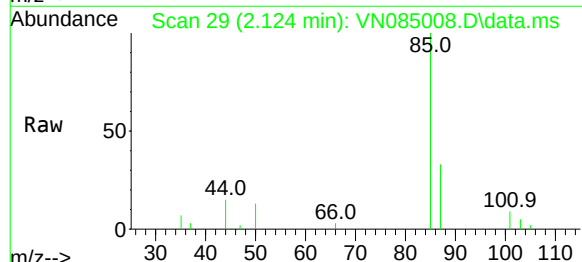
Manual Integrations
APPROVED

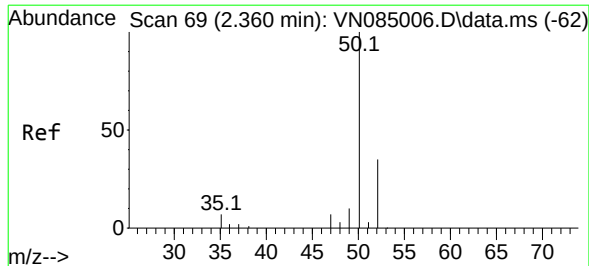
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

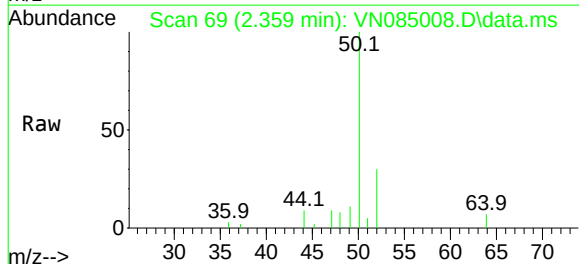
Tgt Ion: 85 Resp: 17355
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1





#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

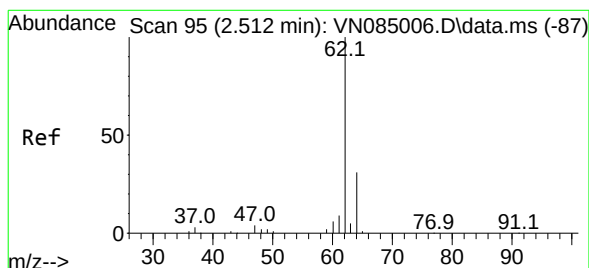
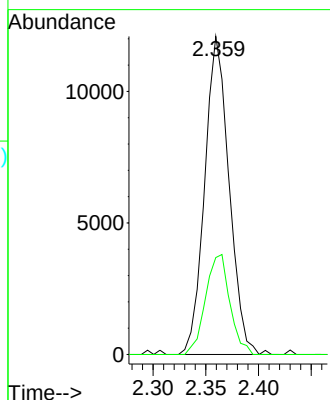
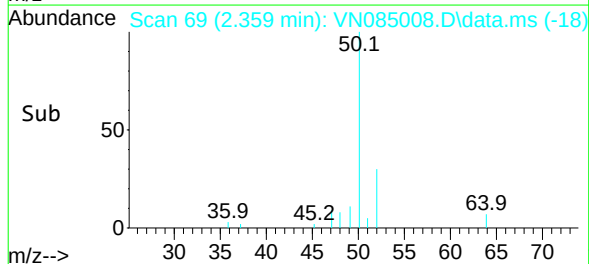
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 50 Resp: 19463
Ion Ratio Lower Upper
50 100
52 30.5 27.8 41.8

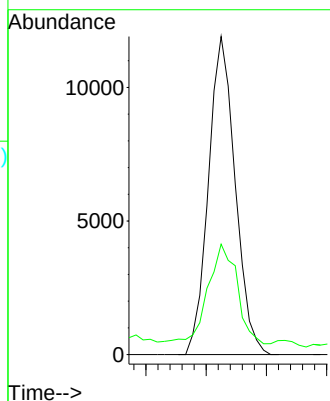
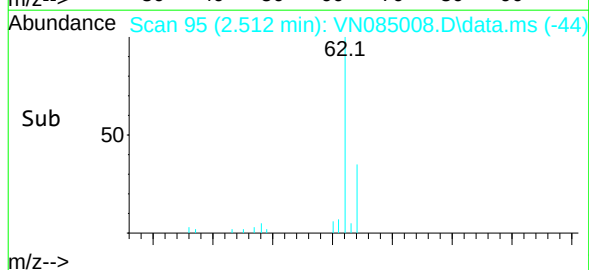
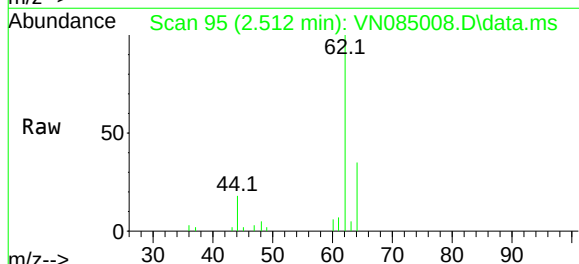
Manual Integrations
APPROVED

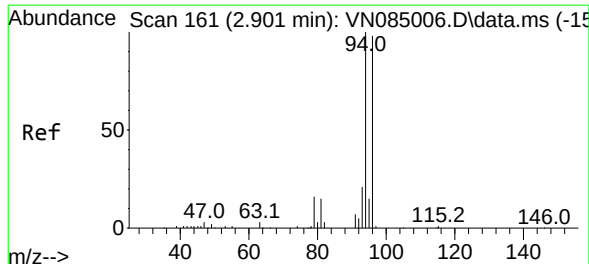
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378
Ion Ratio Lower Upper
62 100
64 30.3 24.6 36.8





#5

Bromomethane

Concen: 10.017 ug/l

RT: 2.901 min Scan# 161

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 94 Resp: 10681

Ion Ratio Lower Upper

94 100

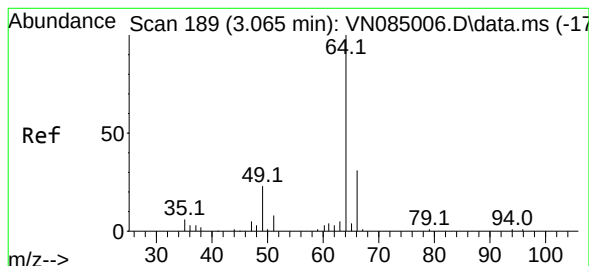
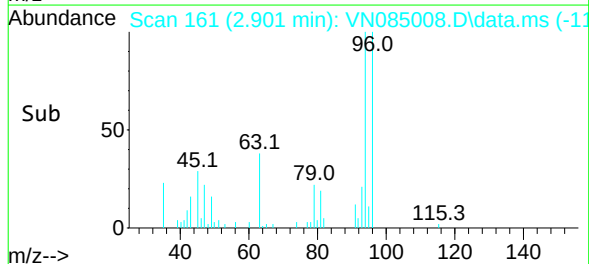
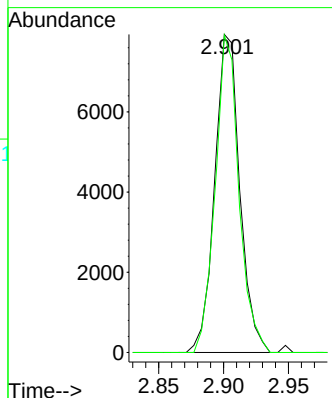
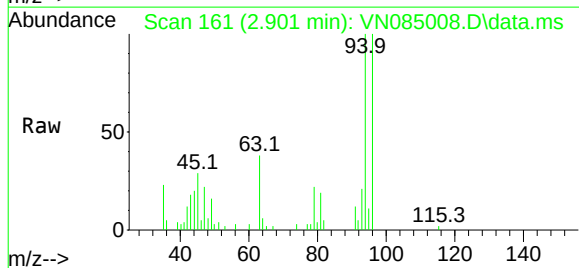
96 99.7 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 9.828 ug/l

RT: 3.077 min Scan# 191

Delta R.T. 0.012 min

Lab File: VN085008.D

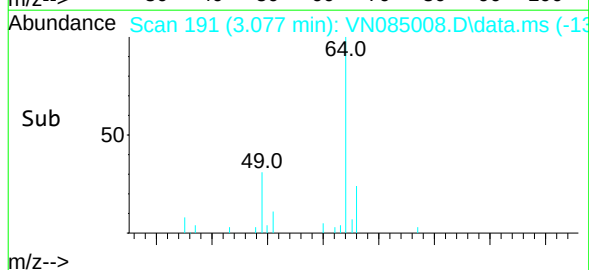
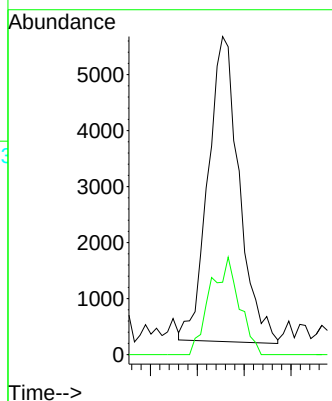
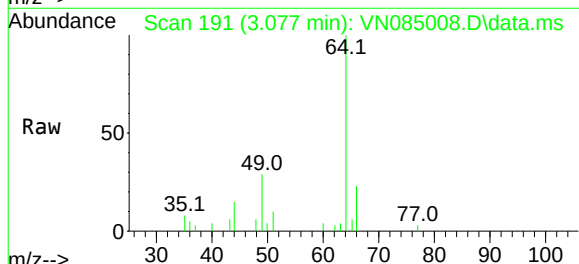
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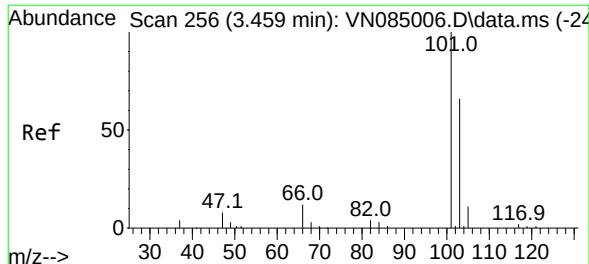
Tgt Ion: 64 Resp: 12602

Ion Ratio Lower Upper

64 100

66 23.8 24.4 36.6#





#7

Trichlorofluoromethane

Concen: 9.445 ug/l

RT: 3.477 min Scan# 25

Delta R.T. 0.018 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:101 Resp: 30566

Ion Ratio Lower Upper

101 100

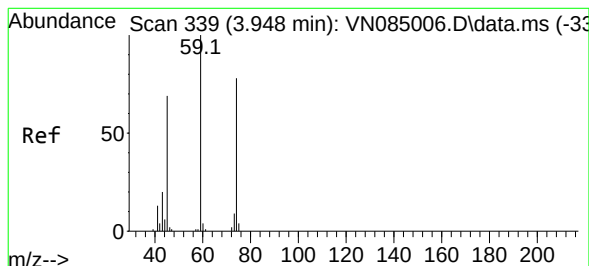
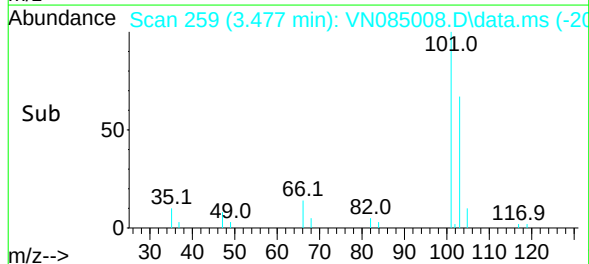
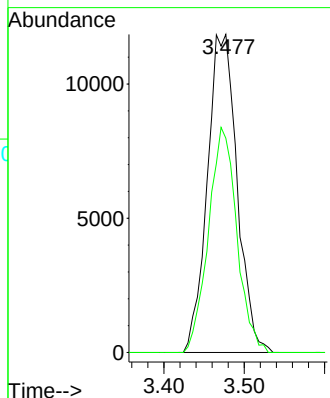
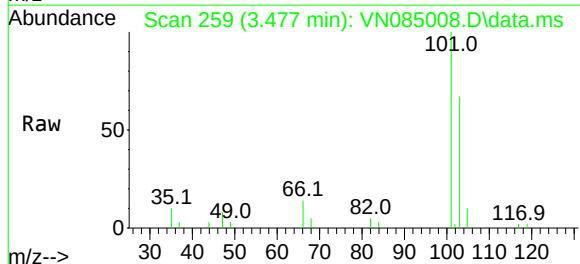
103 67.4 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#8

Diethyl Ether

Concen: 9.437 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.006 min

Lab File: VN085008.D

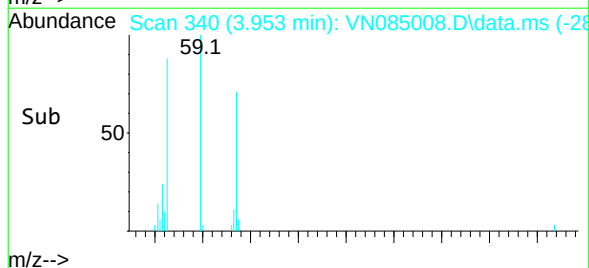
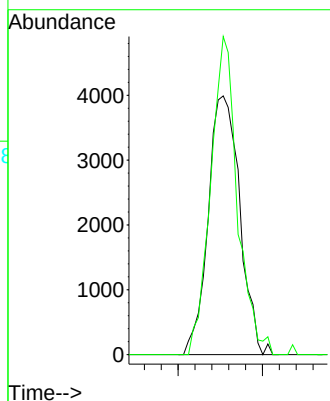
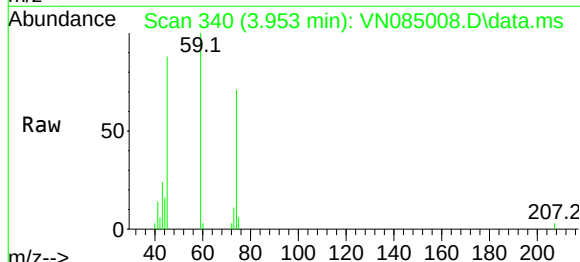
Acq: 22 Nov 2024 12:34

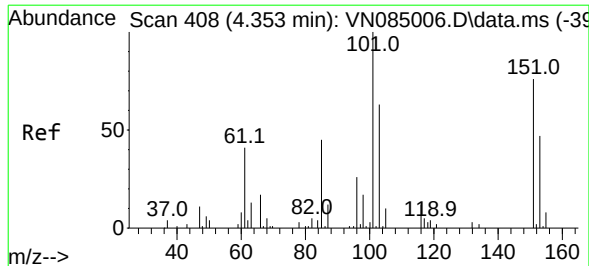
Tgt Ion: 74 Resp: 10394

Ion Ratio Lower Upper

74 100

45 104.3 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.693 ug/l

RT: 4.353 min Scan# 408

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

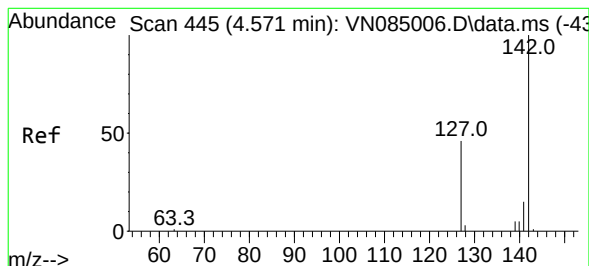
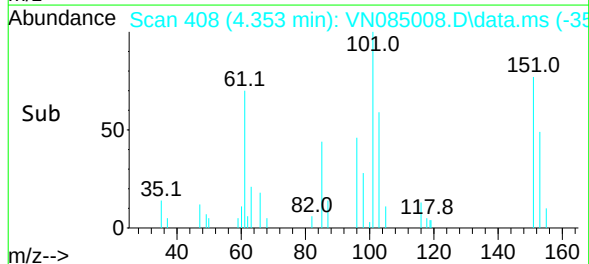
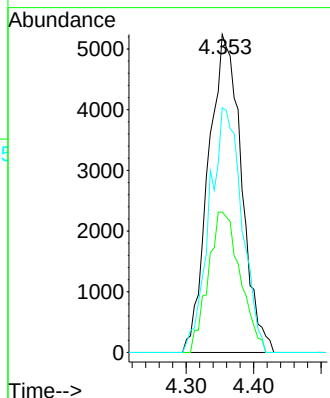
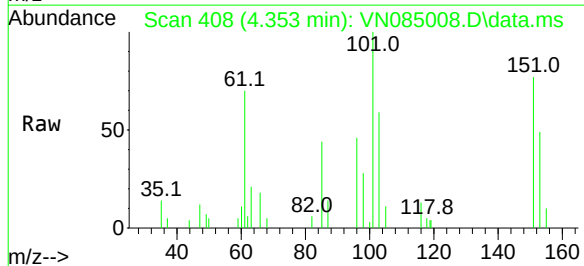
ClientSampleId :

VSTDIC010

Tgt	Ion	101	Resp:	17791
Ion	Ratio	Lower	Upper	
101	100			
85	42.9	36.9	55.3	
151	75.7	60.8	91.2	

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10

Methyl Iodide

Concen: 9.353 ug/l

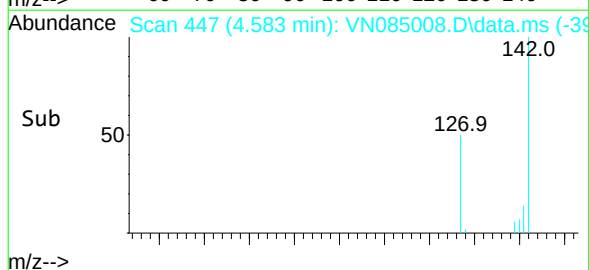
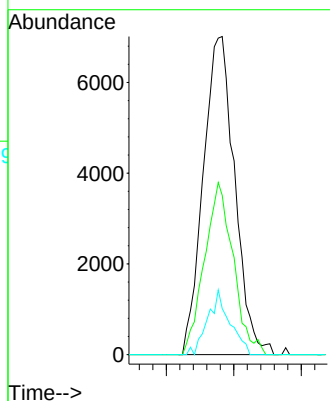
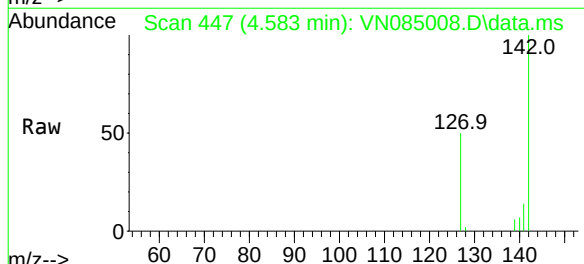
RT: 4.583 min Scan# 447

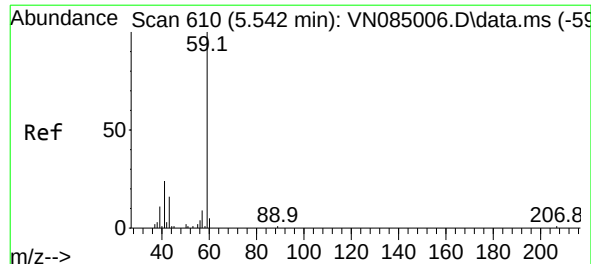
Delta R.T. 0.012 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt	Ion	142	Resp:	22722
Ion	Ratio	Lower	Upper	
142	100			
127	50.1	36.6	54.8	
141	14.5	12.2	18.4	





#11

Tert butyl alcohol

Concen: 50.421 ug/l

RT: 5.542 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion: 59 Resp: 15491

Ion Ratio Lower Upper

59 100

57 2.2 7.4 11.0#

Instrument :

MSVOA_N

ClientSampleId :

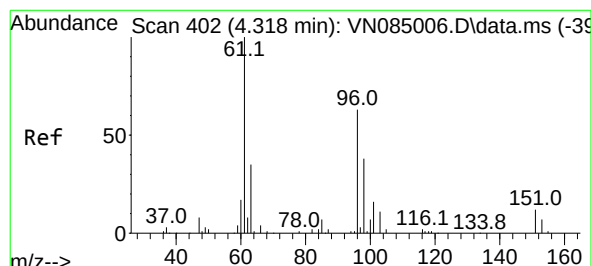
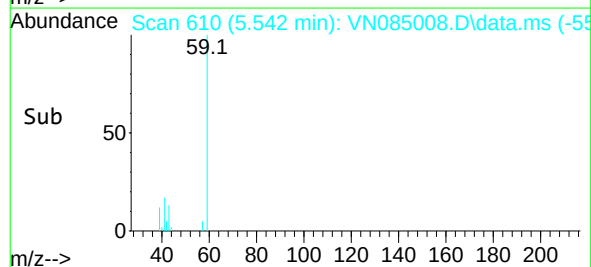
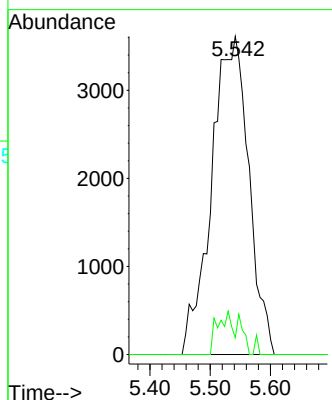
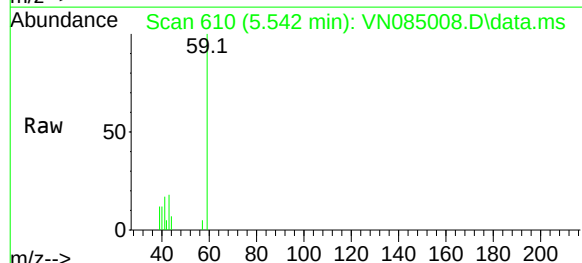
VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 9.532 ug/l

RT: 4.324 min Scan# 403

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

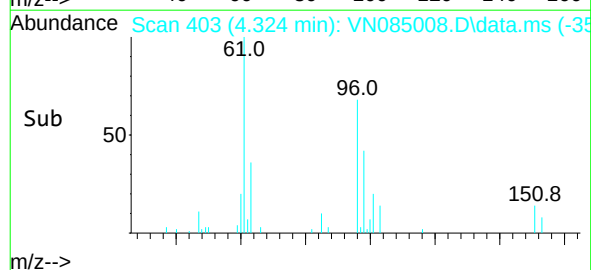
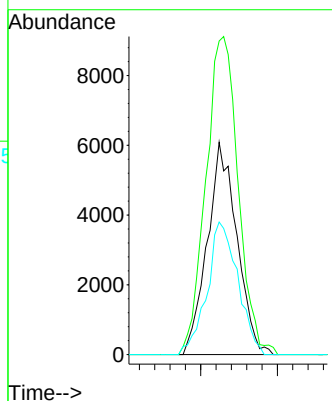
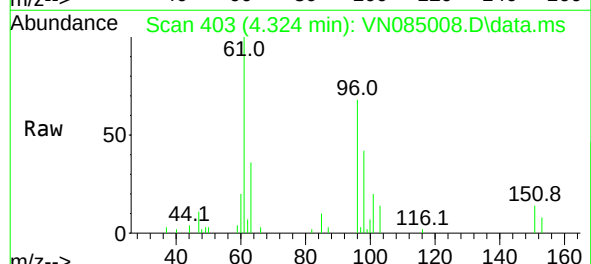
Tgt Ion: 96 Resp: 16330

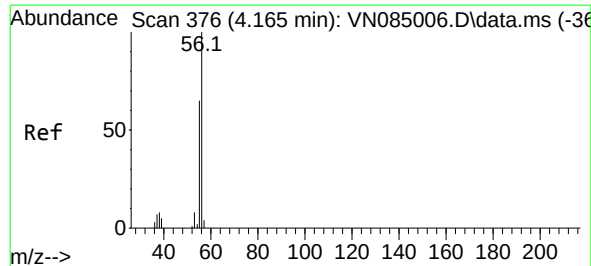
Ion Ratio Lower Upper

96 100

61 147.7 127.8 191.8

98 62.4 49.2 73.8





#13

Acrolein

Concen: 51.710 ug/l

RT: 4.183 min Scan# 376

Delta R.T. 0.018 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 10601

Ion Ratio Lower Upper

56 100

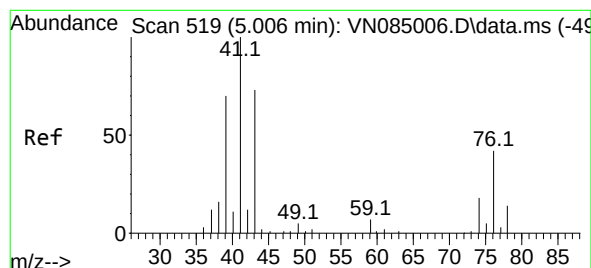
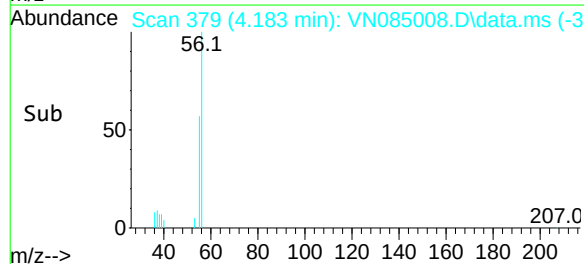
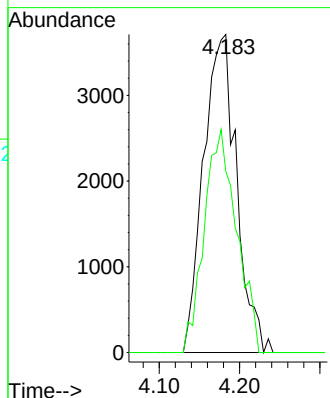
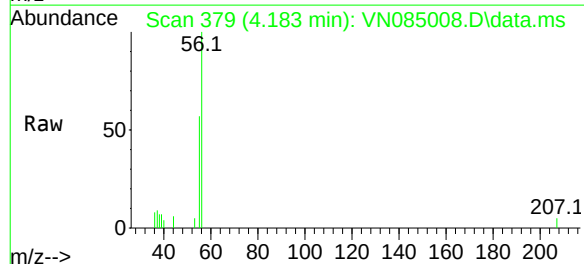
55 68.7 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 9.697 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

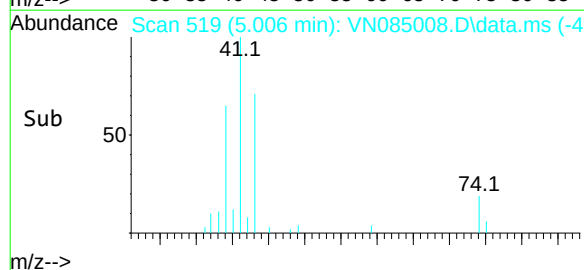
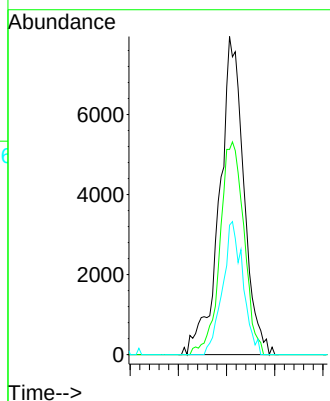
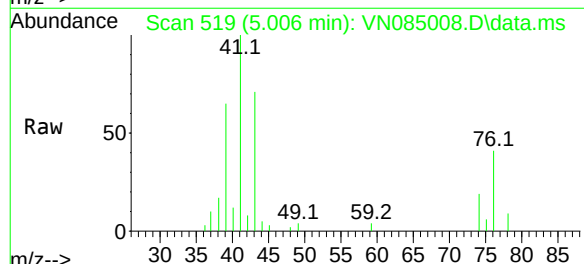
Tgt Ion: 41 Resp: 28006

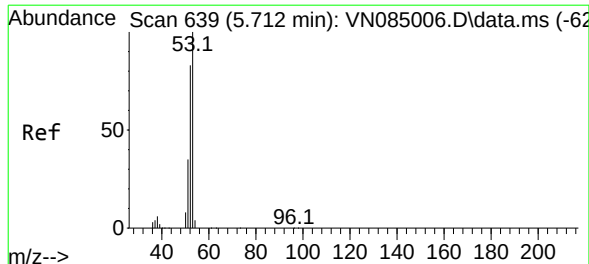
Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.8

76 34.7 29.3 43.9





#15

Acrylonitrile

Concen: 46.525 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	53	Resp:	40469
Ion	Ratio	Lower	Upper
53	100		
52	84.5	65.5	98.3
51	35.0	28.4	42.6

Instrument :

MSVOA_N

ClientSampleId :

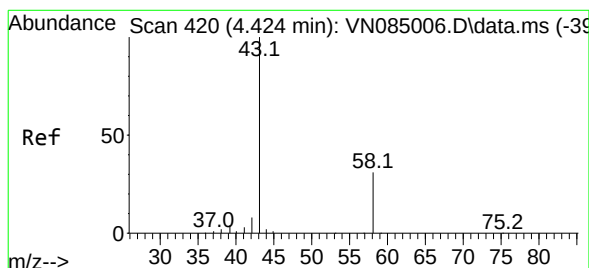
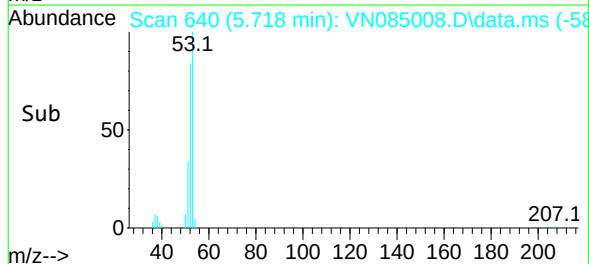
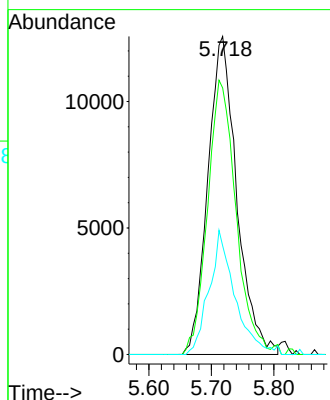
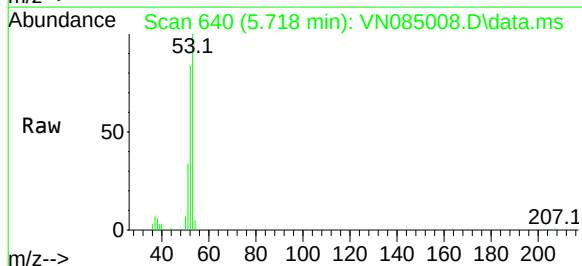
VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 48.900 ug/l

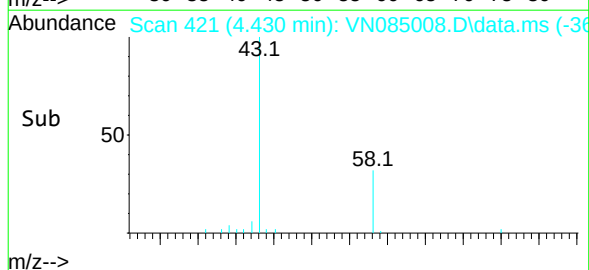
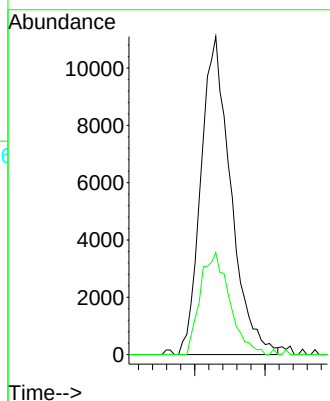
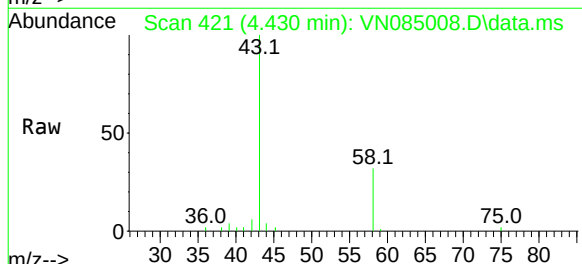
RT: 4.430 min Scan# 421

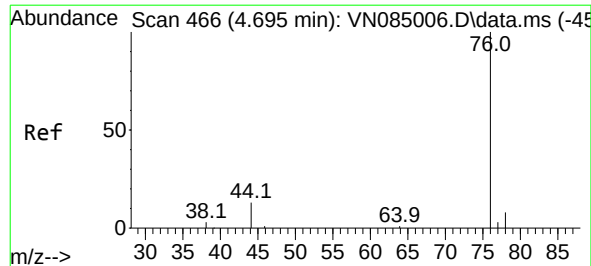
Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	43	Resp:	32743
Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.4	38.2





#17

Carbon Disulfide

Concen: 9.331 ug/l

RT: 4.700 min Scan# 46

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 47181

Ion Ratio Lower Upper

76 100

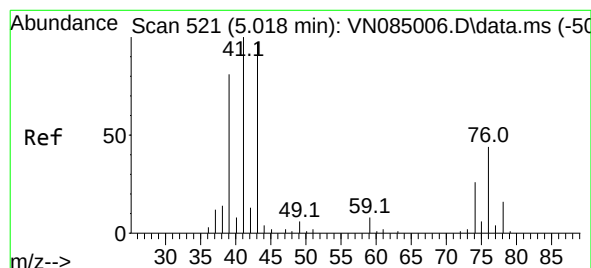
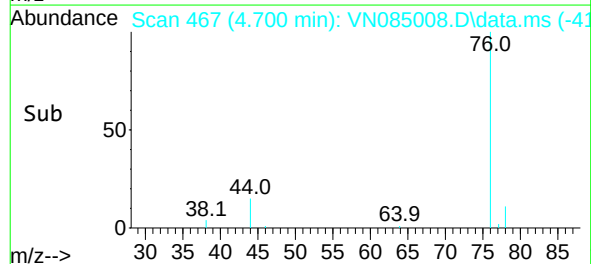
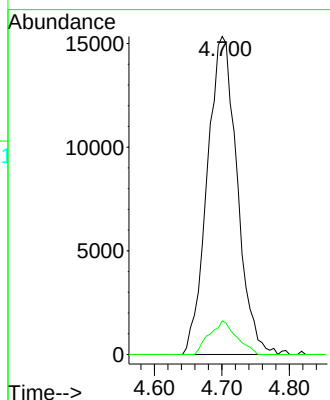
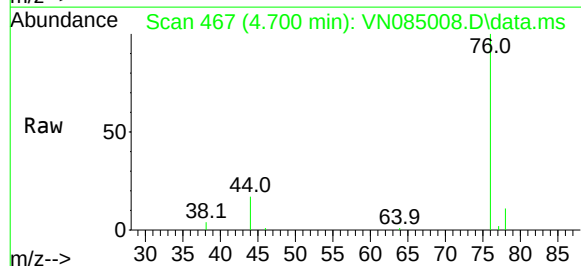
78 10.6 6.5 9.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 9.856 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085008.D

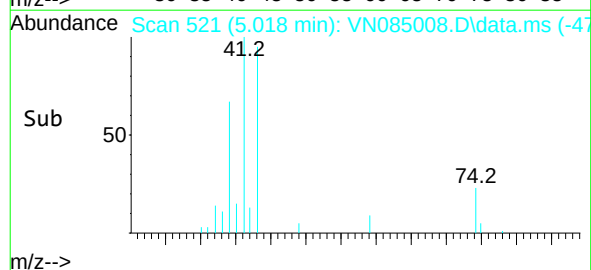
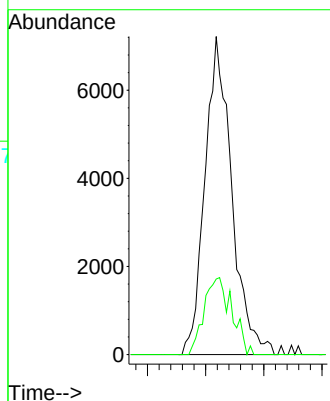
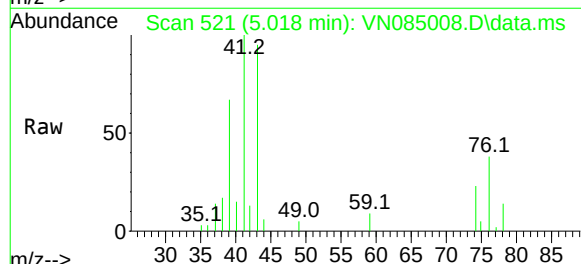
Acq: 22 Nov 2024 12:34

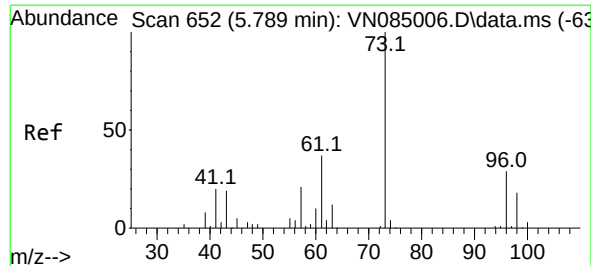
Tgt Ion: 43 Resp: 23065

Ion Ratio Lower Upper

43 100

74 25.0 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 9.589 ug/l

RT: 5.795 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 53672

Ion Ratio Lower Upper

73 100

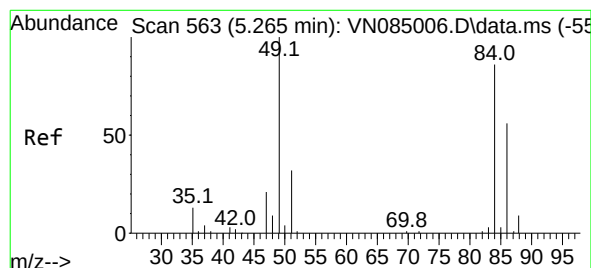
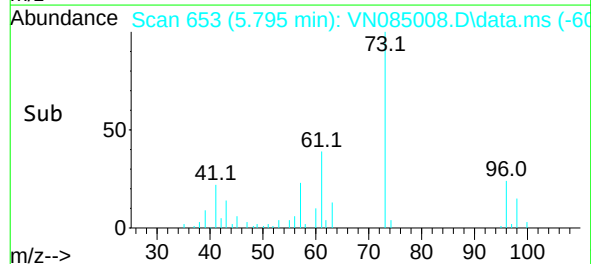
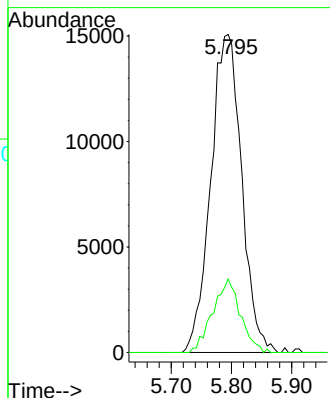
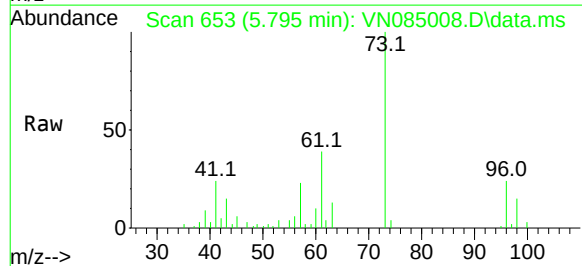
57 23.1 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 9.632 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680

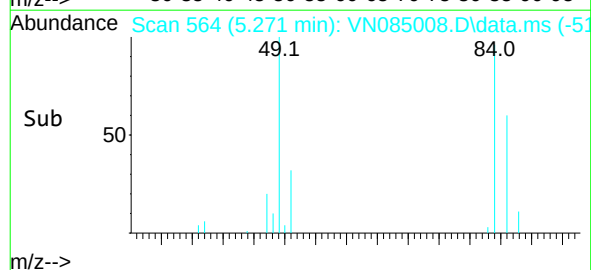
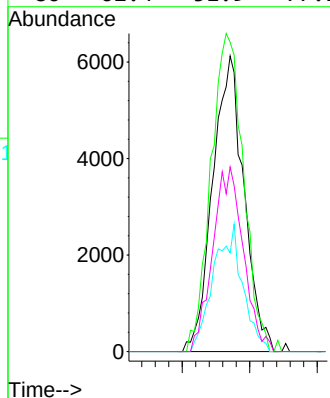
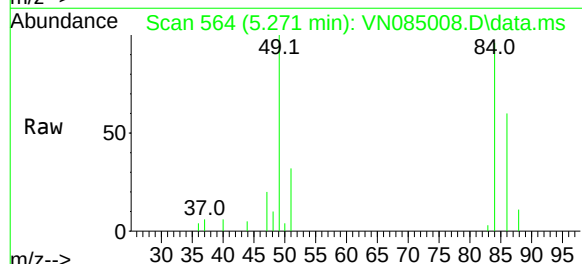
Ion Ratio Lower Upper

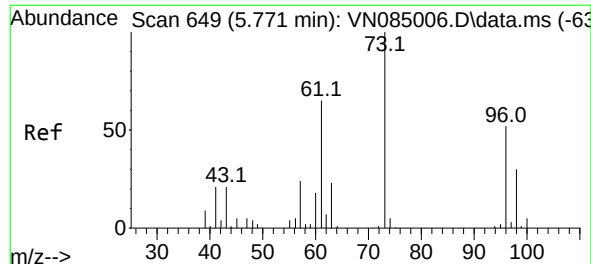
84 100

49 104.6 92.7 139.1

51 33.3 29.4 44.2

86 62.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 9.296 ug/l

RT: 5.777 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 96 Resp: 16759

Ion Ratio Lower Upper

96 100

61 118.2 100.7 151.1

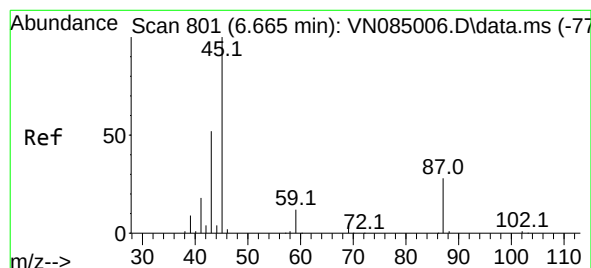
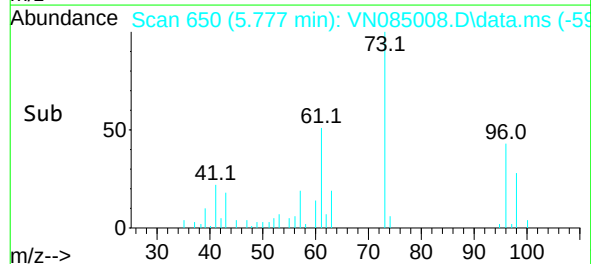
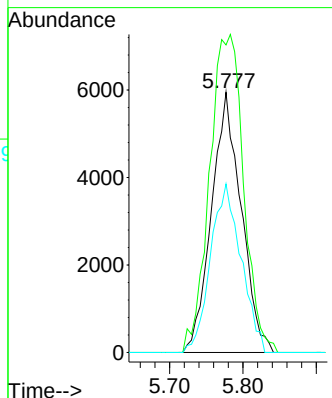
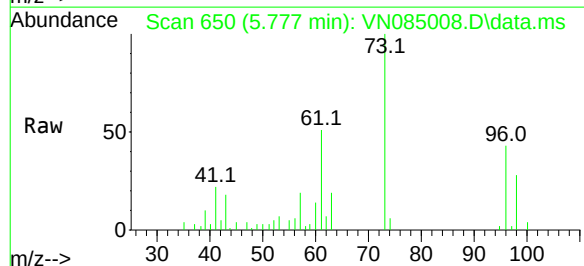
98 64.8 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 9.716 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475

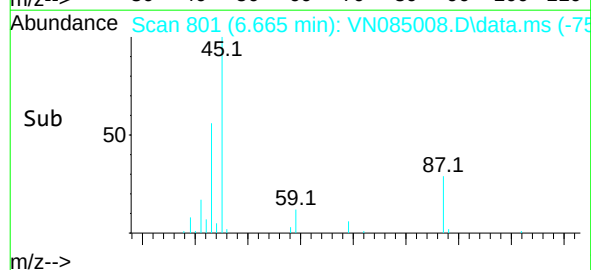
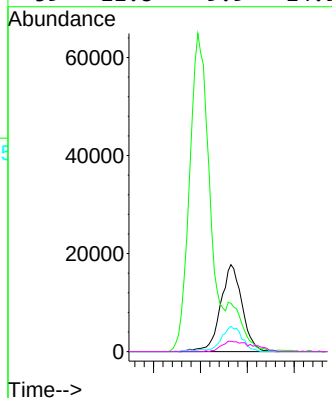
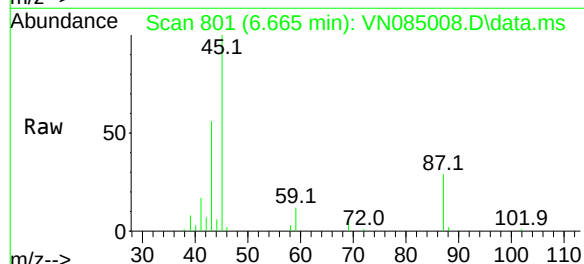
Ion Ratio Lower Upper

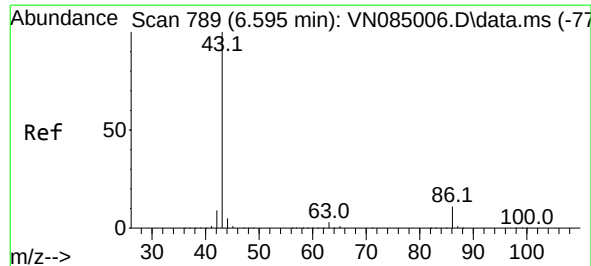
45 100

43 53.8 42.7 64.1

87 29.0 22.6 34.0

59 11.8 9.9 14.9





#23

Vinyl Acetate

Concen: 47.962 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 192330

Ion Ratio Lower Upper

43 100

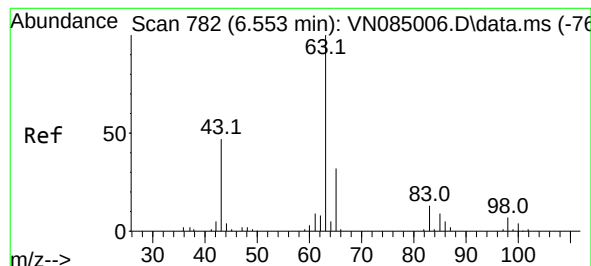
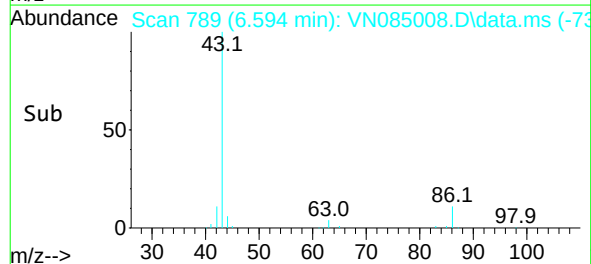
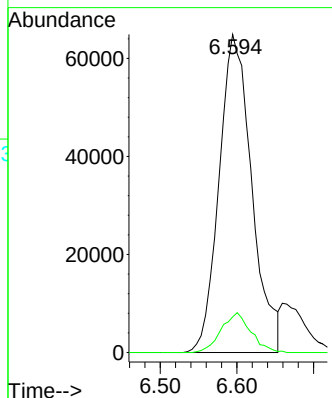
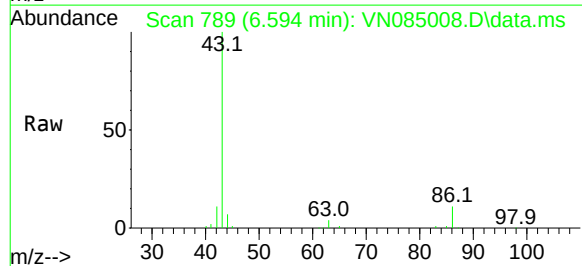
86 11.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 9.588 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

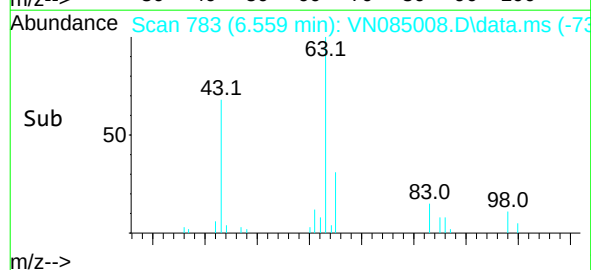
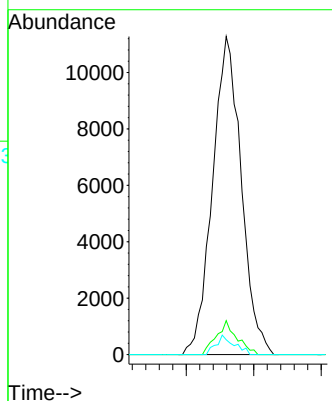
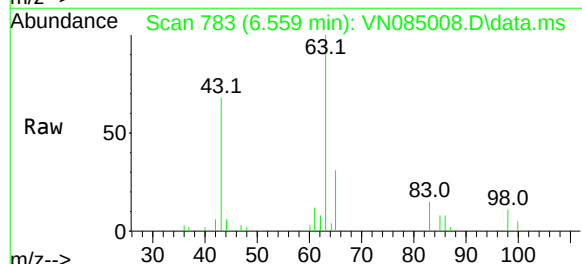
Tgt Ion: 63 Resp: 33350

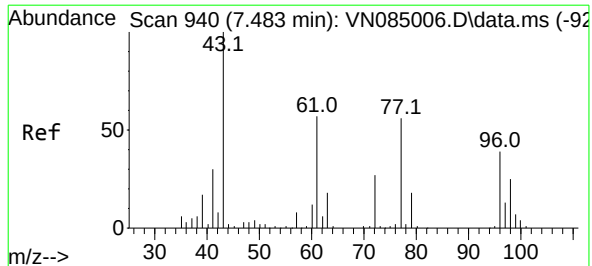
Ion Ratio Lower Upper

63 100

98 10.7 3.3 9.8#

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 46.790 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 51223

Ion Ratio Lower Upper

43 100

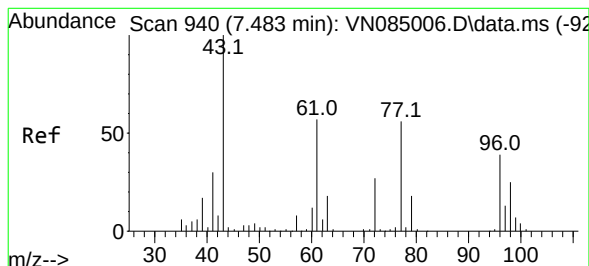
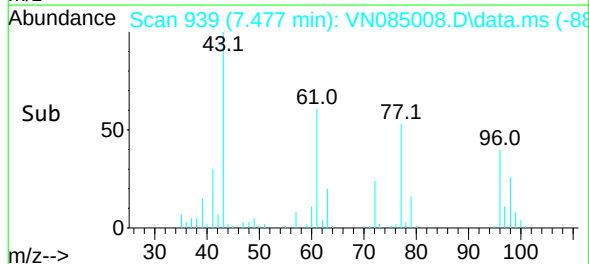
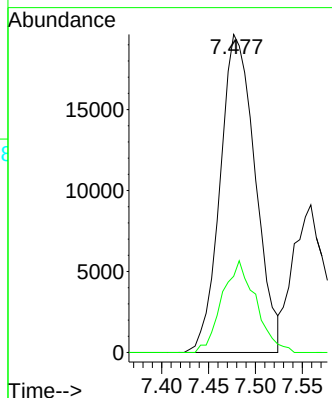
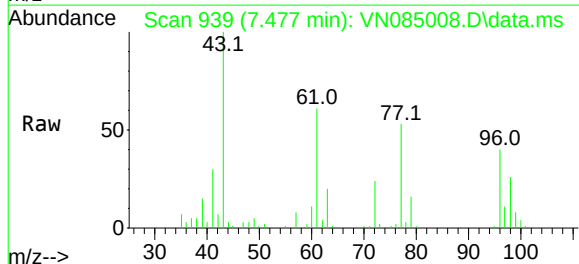
72 24.0 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#26

2,2-Dichloropropane

Concen: 9.388 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN085008.D

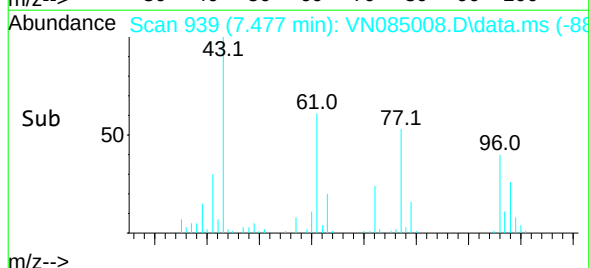
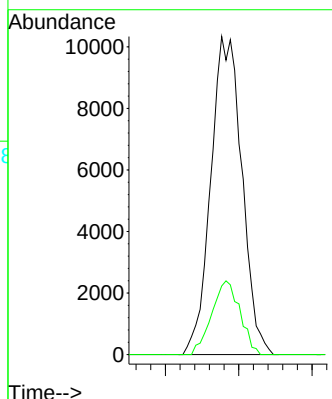
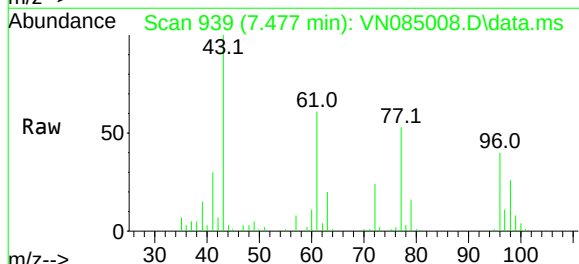
Acq: 22 Nov 2024 12:34

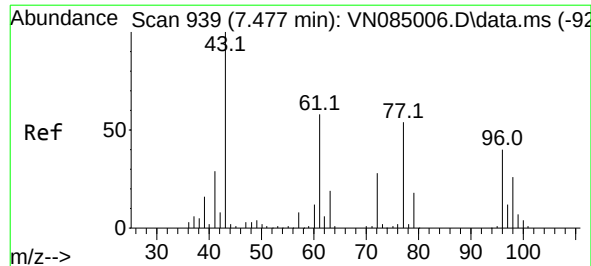
Tgt Ion: 77 Resp: 30494

Ion Ratio Lower Upper

77 100

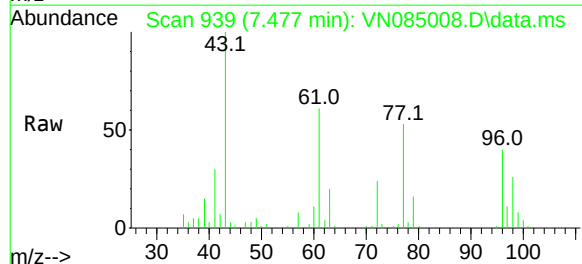
97 21.0 10.9 32.7





#27
cis-1,2-Dichloroethene
Concen: 9.418 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

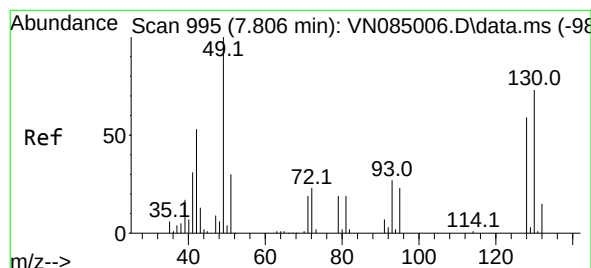
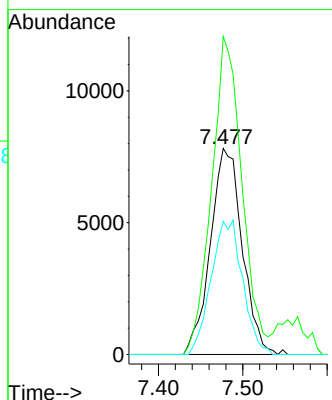
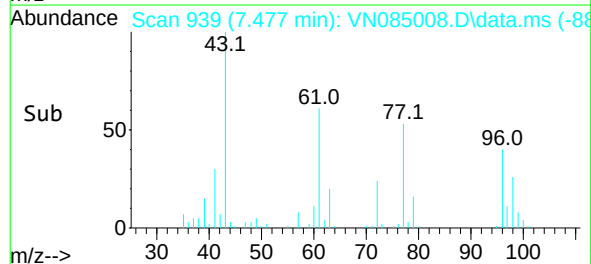
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 96 Resp: 20469
Ion Ratio Lower Upper
96 100
61 147.4 0.0 291.6
98 64.5 0.0 129.8

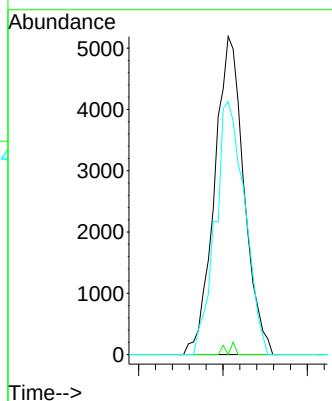
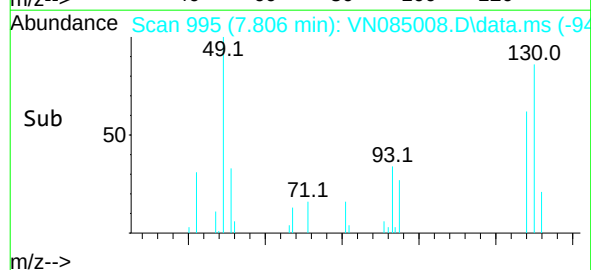
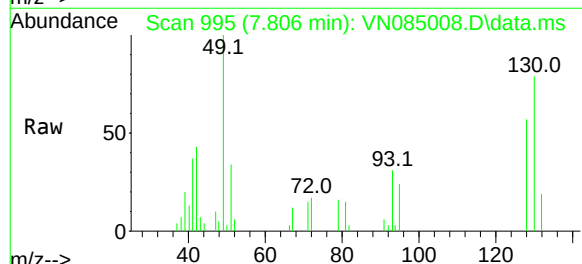
Manual Integrations
APPROVED

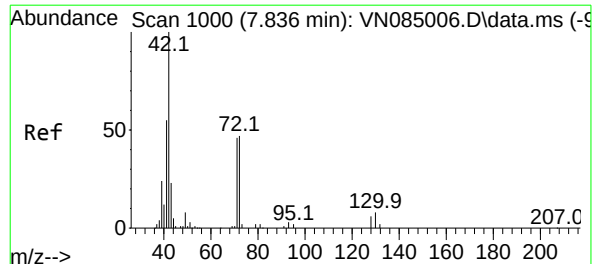
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#28
Bromochloromethane
Concen: 9.591 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594
Ion Ratio Lower Upper
49 100
129 0.4 0.0 4.0
130 79.8 60.6 90.8





#29

Tetrahydrofuran

Concen: 47.294 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 42 Resp: 32197

Ion Ratio Lower Upper

42 100

72 47.9 37.0 55.4

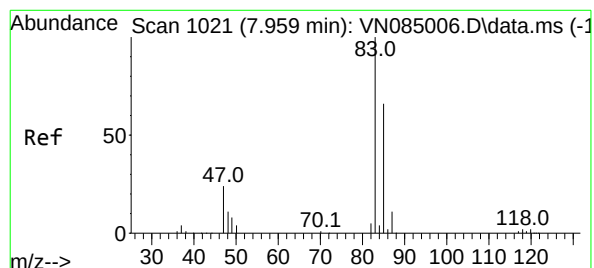
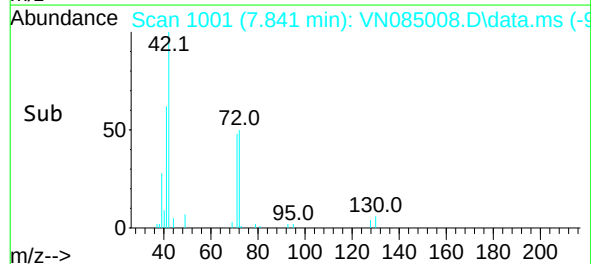
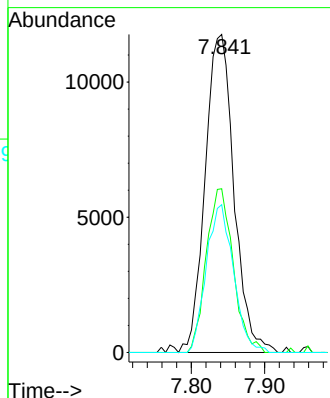
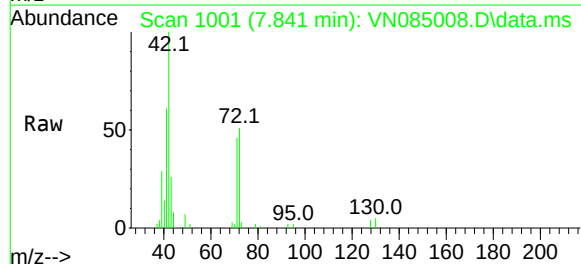
71 43.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 9.365 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085008.D

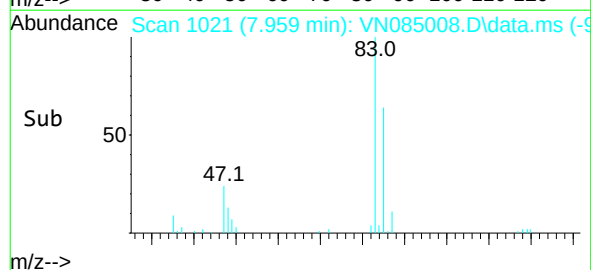
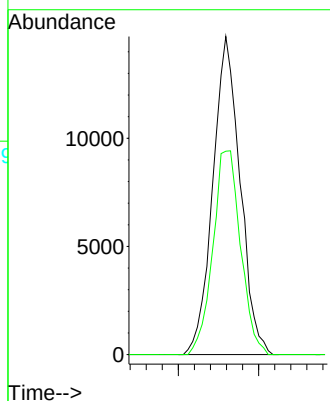
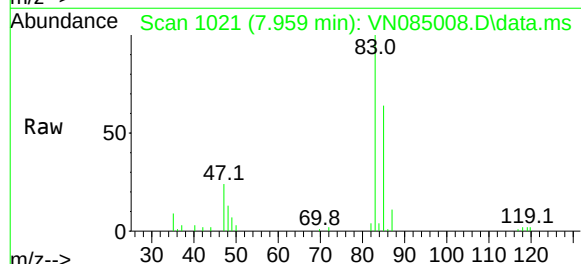
Acq: 22 Nov 2024 12:34

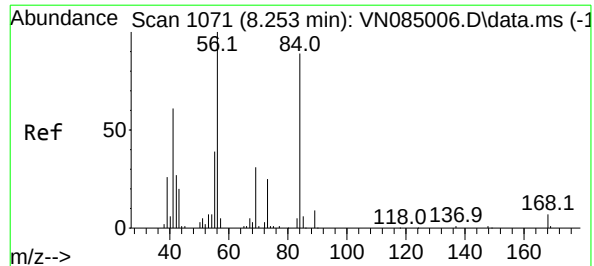
Tgt Ion: 83 Resp: 34651

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8





#31

Cyclohexane

Concen: 9.641 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 29526

Ion Ratio Lower Upper

56 100

69 35.7 24.6 36.8

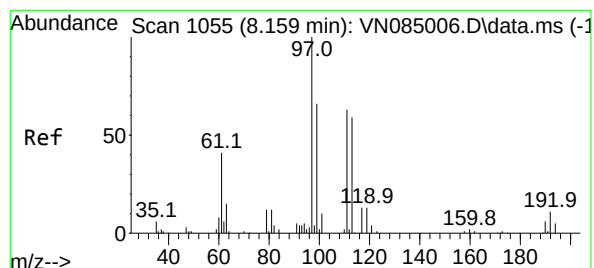
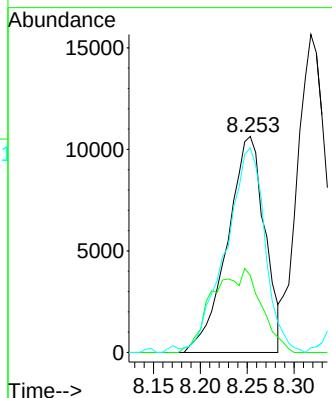
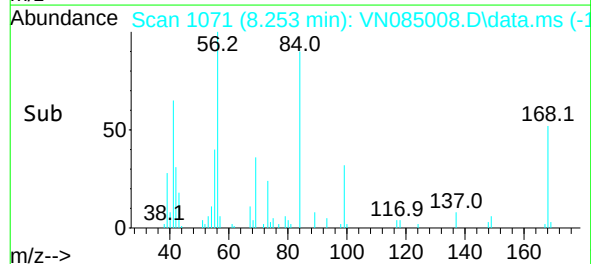
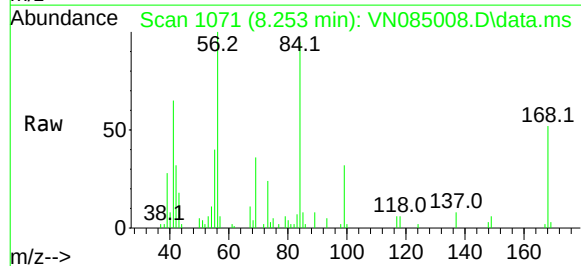
84 92.9 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 9.587 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

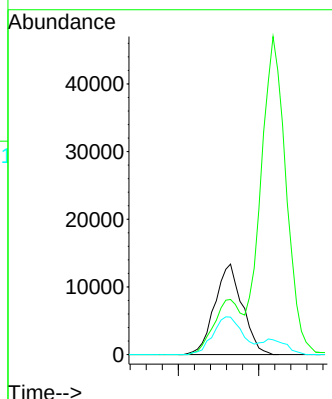
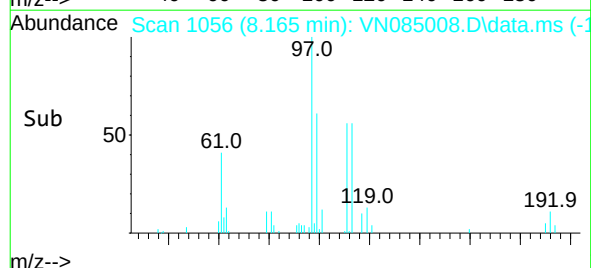
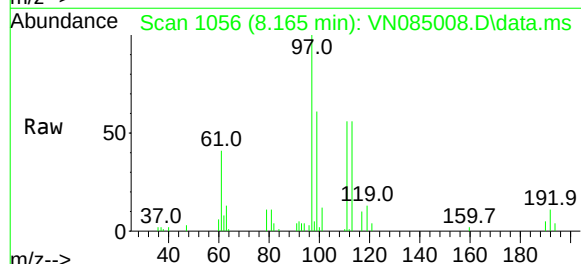
Tgt Ion: 97 Resp: 32054

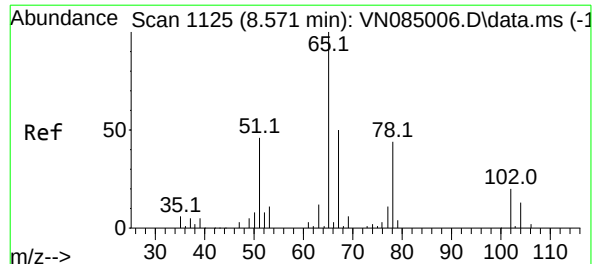
Ion Ratio Lower Upper

97 100

99 61.9 51.0 76.4

61 44.6 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 10.323 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 23734

Ion Ratio Lower Upper

65 100

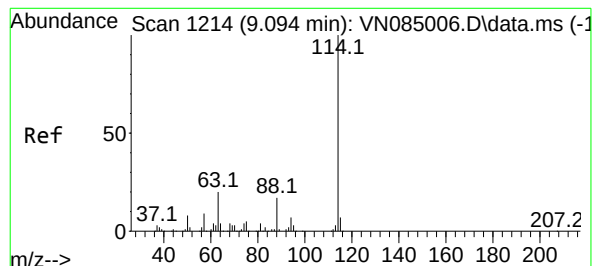
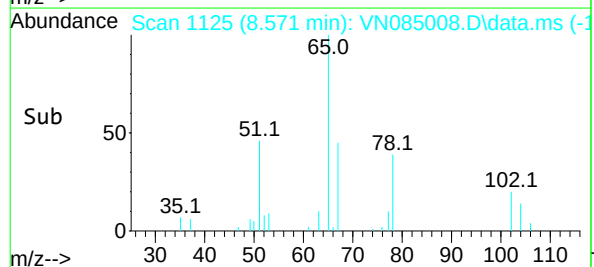
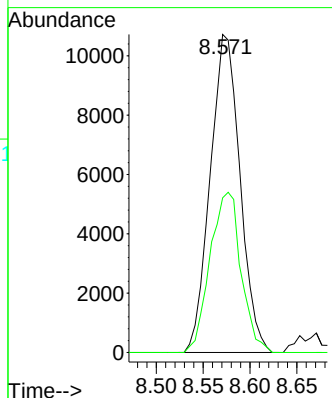
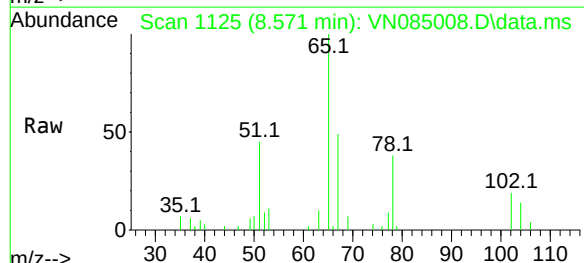
67 52.4 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

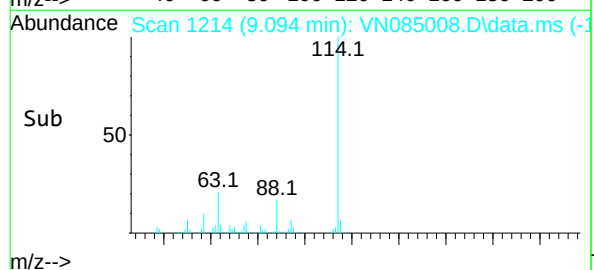
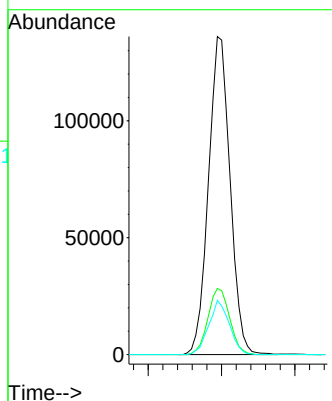
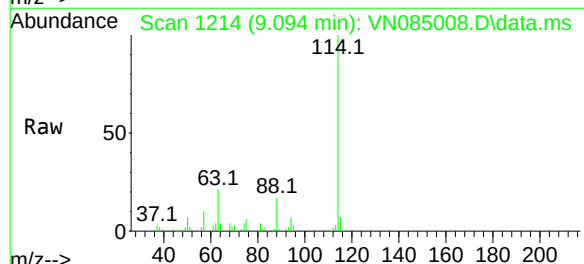
Tgt Ion:114 Resp: 278264

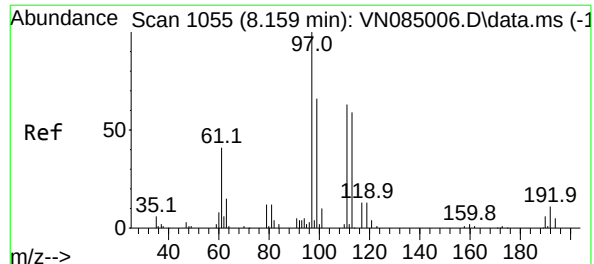
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 9.801 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 18392

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

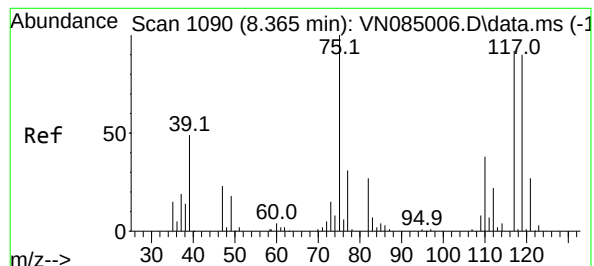
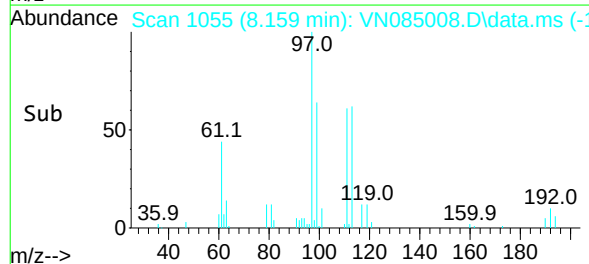
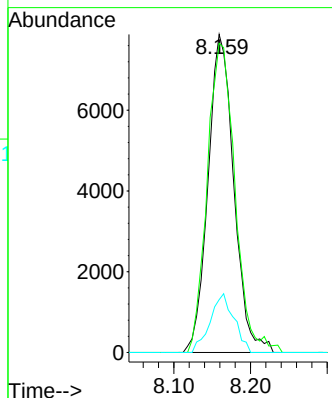
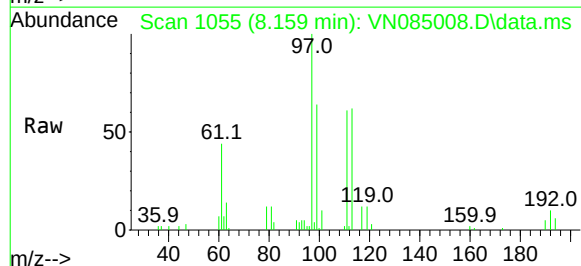
192 17.1 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 9.130 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

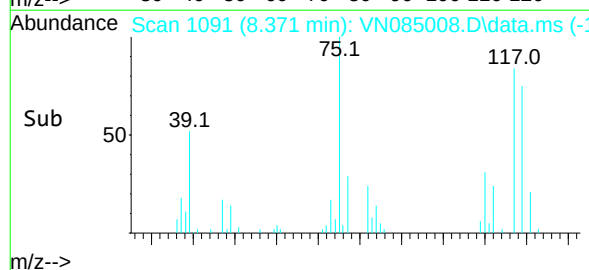
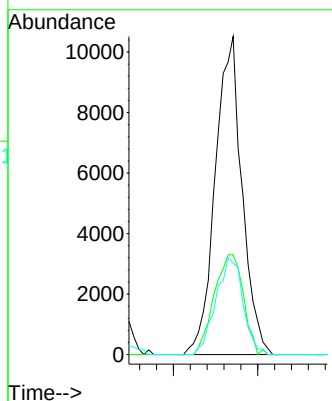
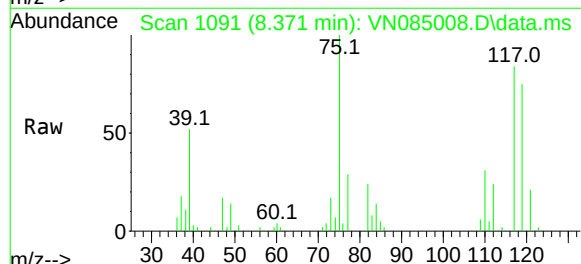
Tgt Ion: 75 Resp: 23205

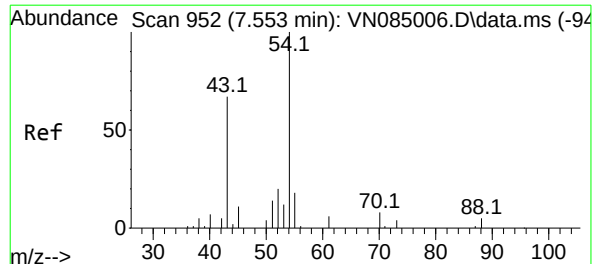
Ion Ratio Lower Upper

75 100

110 34.2 17.2 51.6

77 30.9 24.2 36.4





#37

Ethyl Acetate

Concen: 9.732 ug/l

RT: 7.559 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

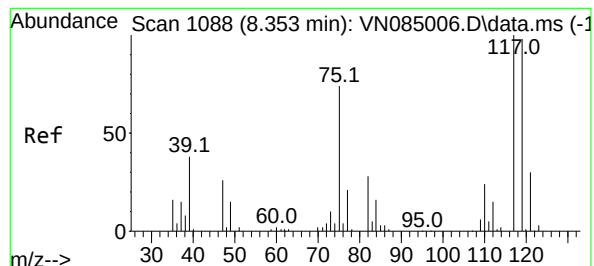
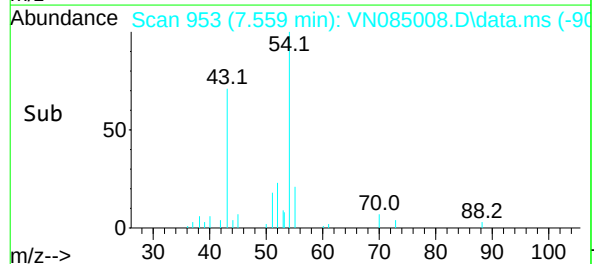
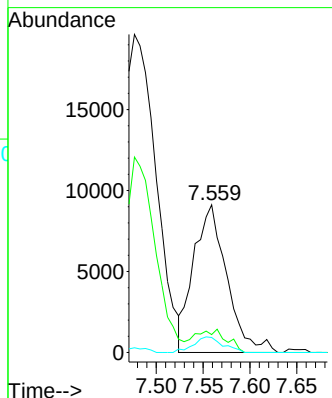
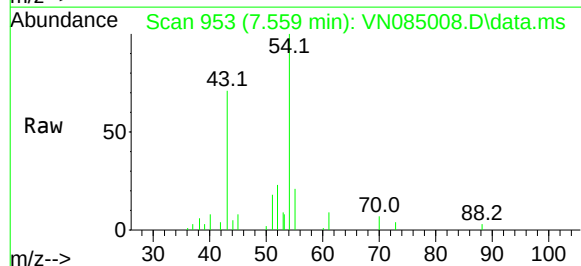
VSTDIC010

Tgt Ion:	43	Resp:	22487
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	9.2	9.3	13.9#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 9.186 ug/l

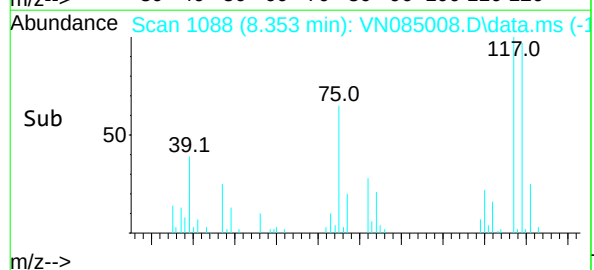
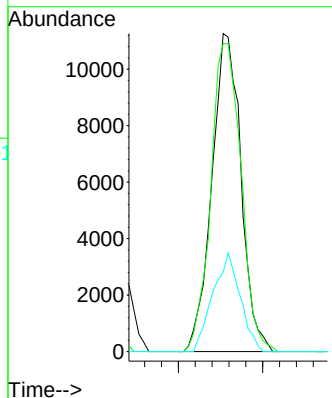
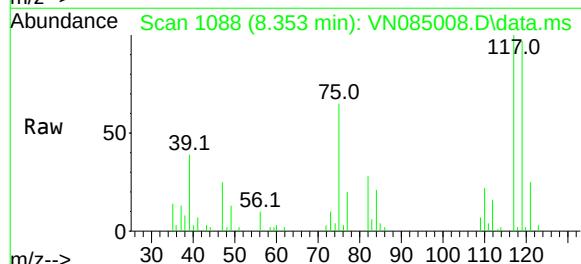
RT: 8.353 min Scan# 1088

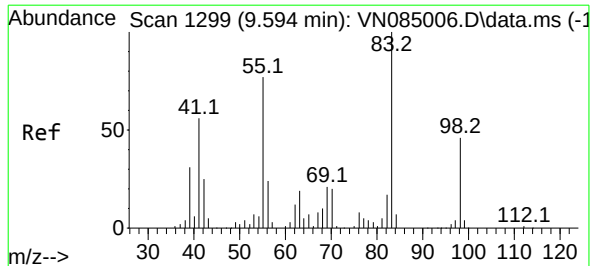
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	117	Resp:	26952
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.6	117.8
121	25.0	24.2	36.2





#39

Methylcyclohexane

Concen: 9.058 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 83 Resp: 23924

Ion Ratio Lower Upper

83 100

55 80.4 61.8 92.6

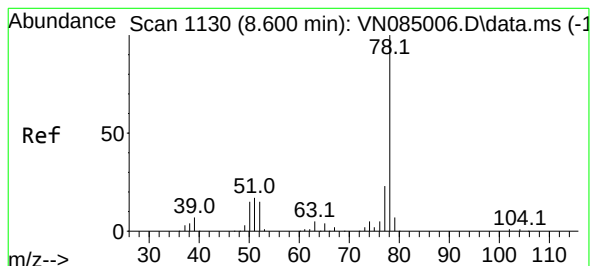
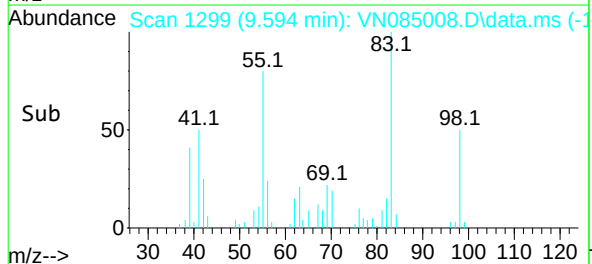
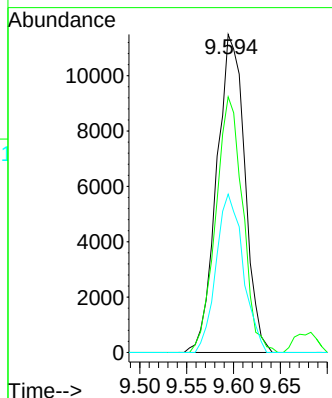
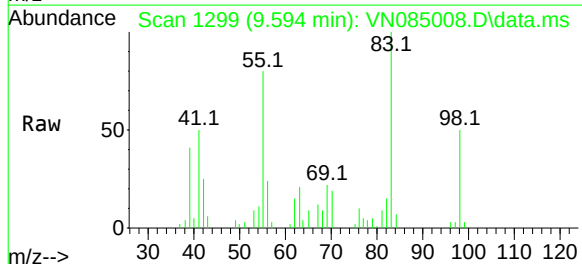
98 49.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 9.404 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085008.D

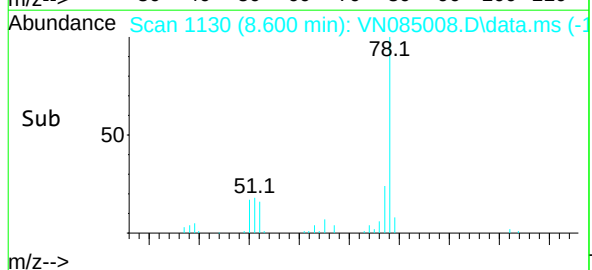
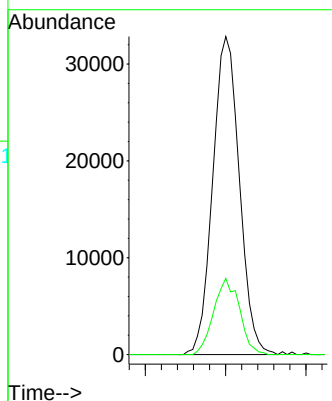
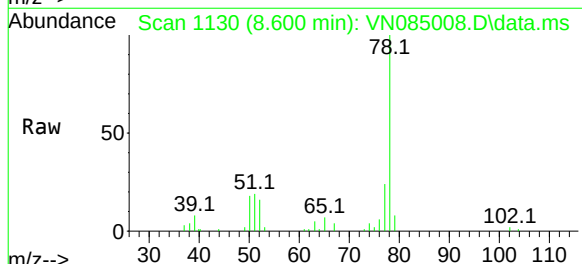
Acq: 22 Nov 2024 12:34

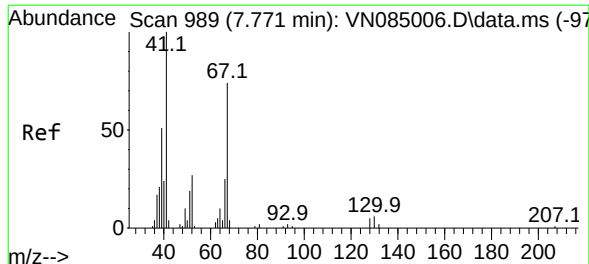
Tgt Ion: 78 Resp: 75597

Ion Ratio Lower Upper

78 100

77 24.0 18.5 27.7





#41

Methacrylonitrile

Concen: 9.705 ug/l

RT: 7.771 min Scan# 98

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

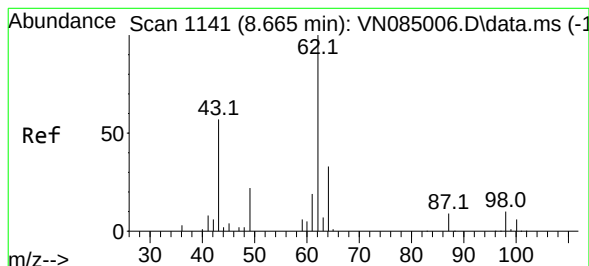
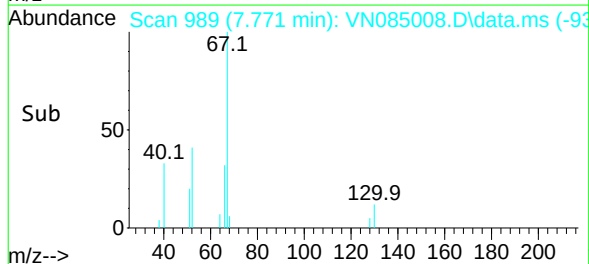
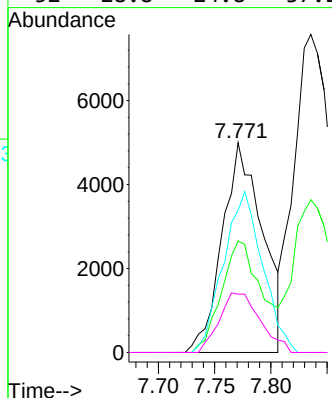
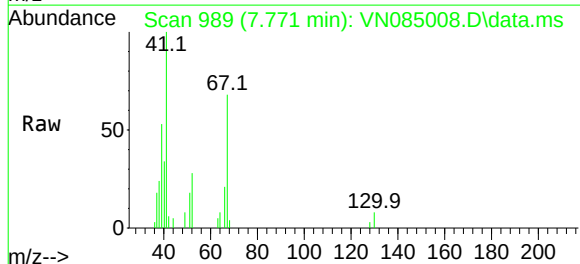
ClientSampleId :

VSTDIC010

Tgt Ion:	41	Resp:	12417
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2

**Manual Integrations
APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 9.152 ug/l

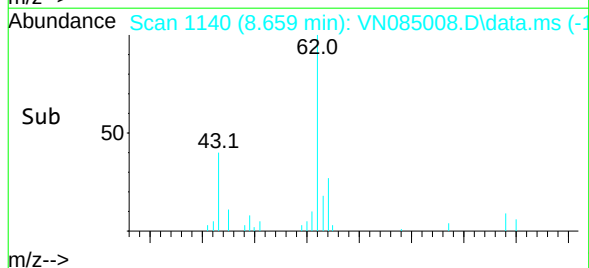
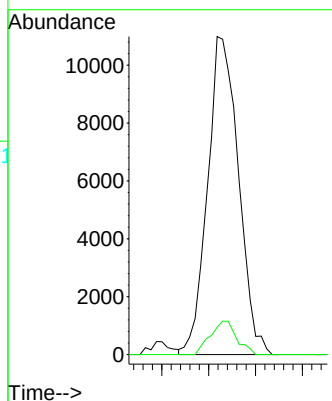
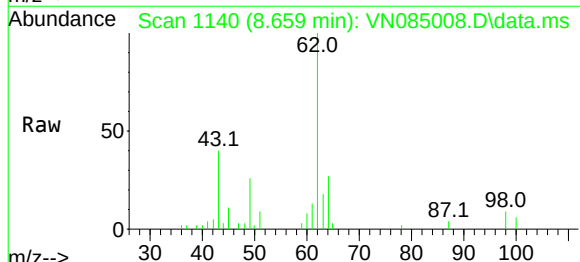
RT: 8.659 min Scan# 1140

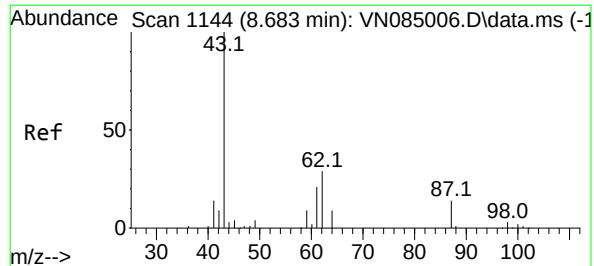
Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	62	Resp:	25169
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 9.108 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

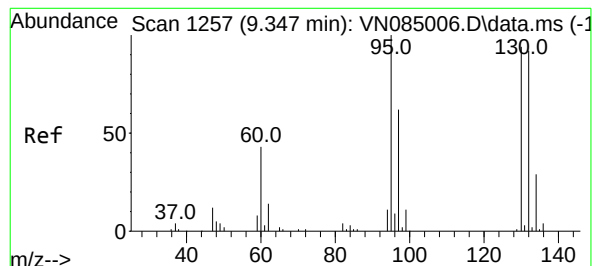
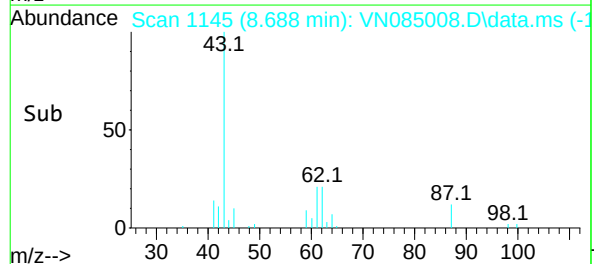
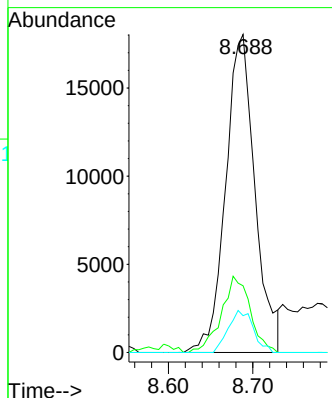
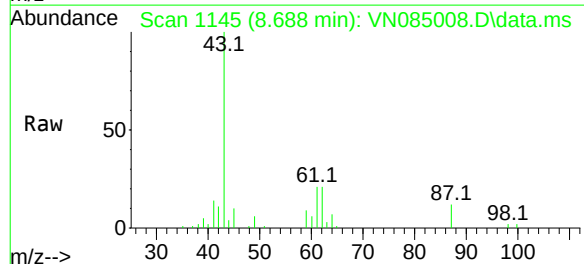
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	43717
Ion	Ratio	Lower	Upper
43	100		
61	23.5	20.6	30.8
87	11.2	11.0	16.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 9.547 ug/l

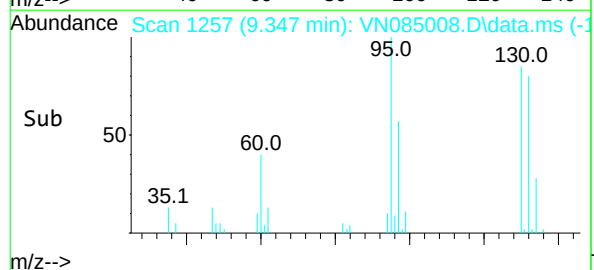
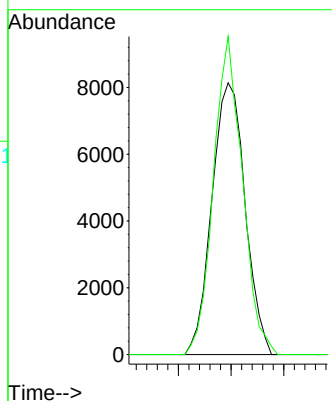
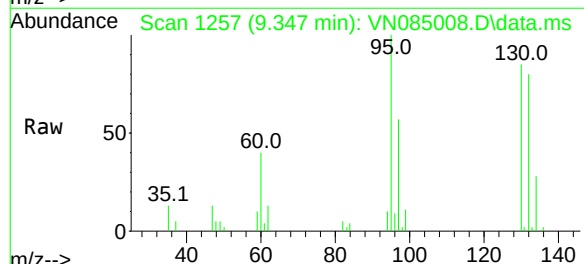
RT: 9.347 min Scan# 1257

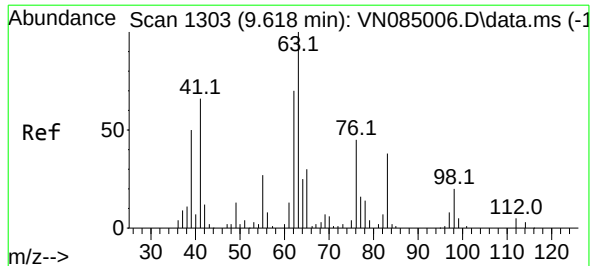
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	130	Resp:	17835
Ion	Ratio	Lower	Upper
130	100		
95	117.0	0.0	213.4





#45

1,2-Dichloropropane

Concen: 9.546 ug/l

RT: 9.618 min Scan# 13

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 18902

Ion Ratio Lower Upper

63 100

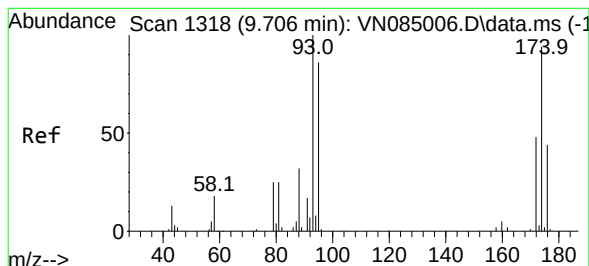
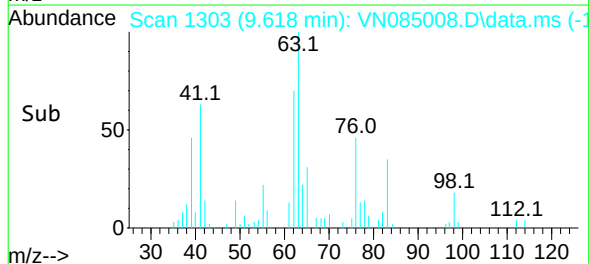
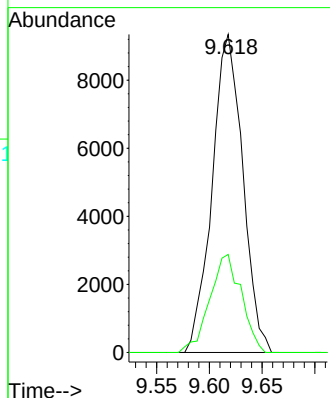
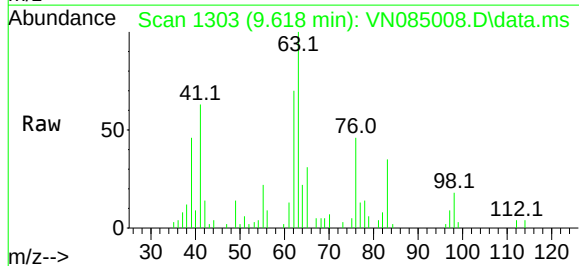
65 30.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 9.114 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

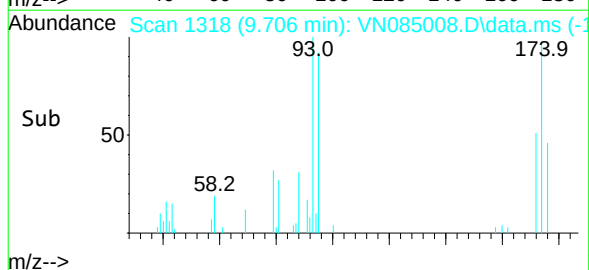
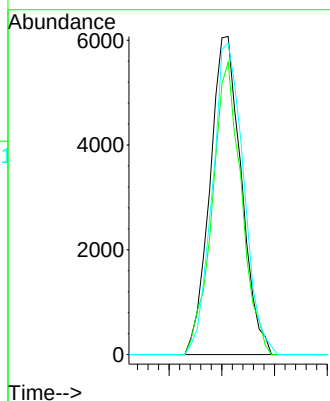
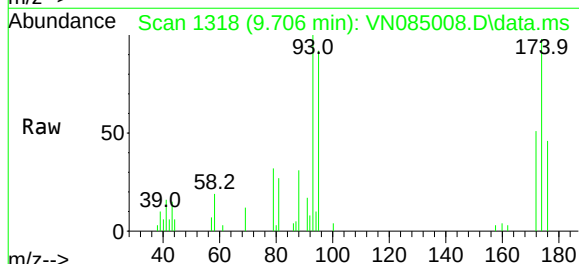
Tgt Ion: 93 Resp: 12540

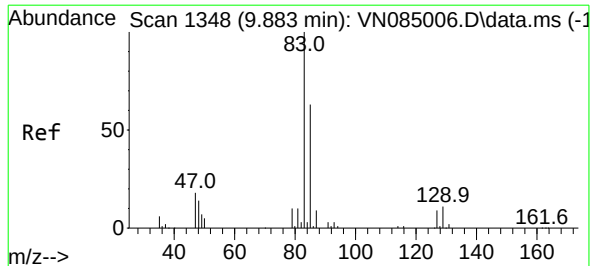
Ion Ratio Lower Upper

93 100

95 85.5 66.2 99.4

174 97.5 74.9 112.3





#47

Bromodichloromethane

Concen: 9.306 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 27136

Ion Ratio Lower Upper

83 100

85 58.8 50.5 75.7

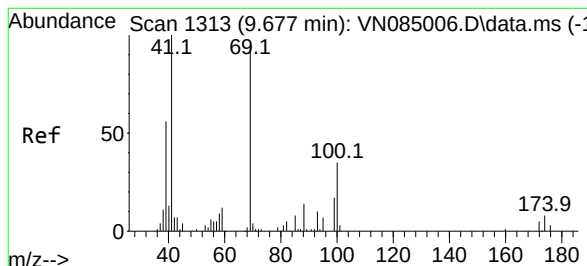
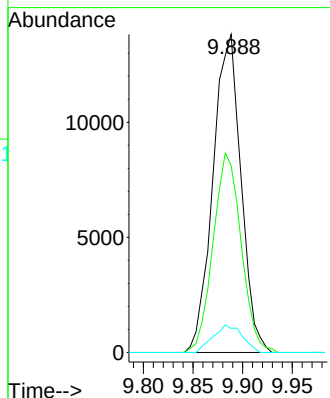
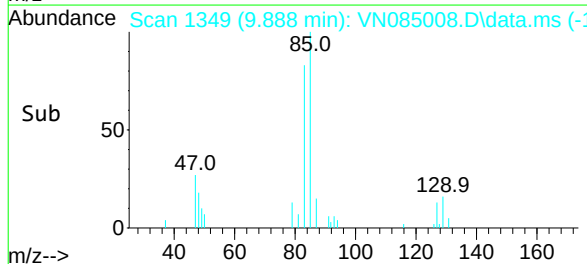
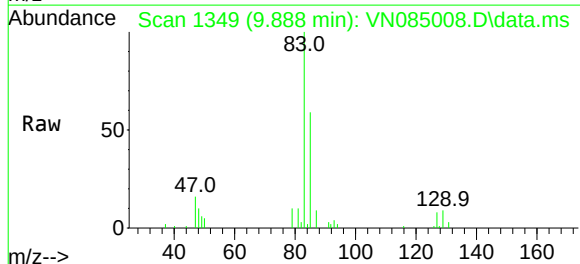
127 7.6 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 9.402 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

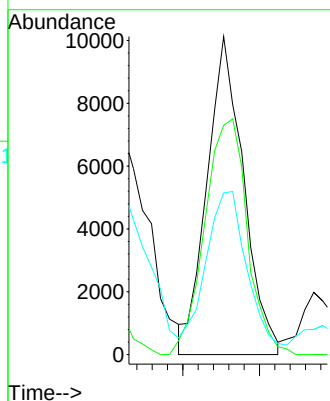
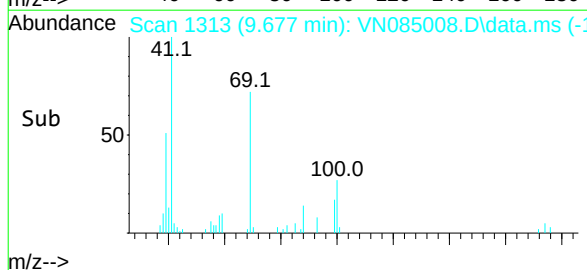
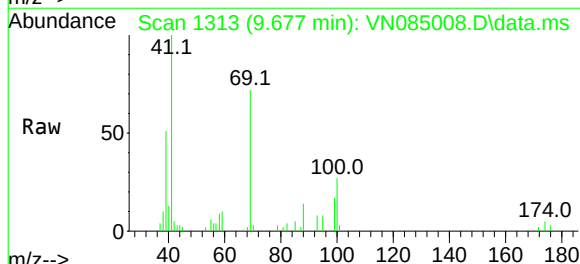
Tgt Ion: 41 Resp: 16793

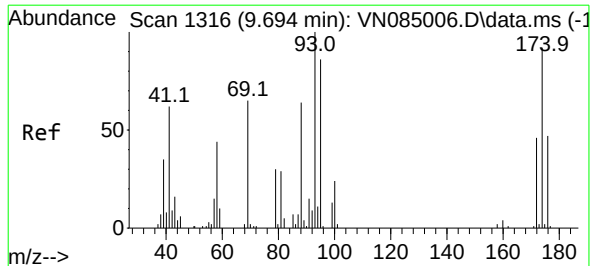
Ion Ratio Lower Upper

41 100

69 85.7 73.2 109.8

39 59.4 46.2 69.4





#49

1,4-Dioxane

Concen: 205.527 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085008.D

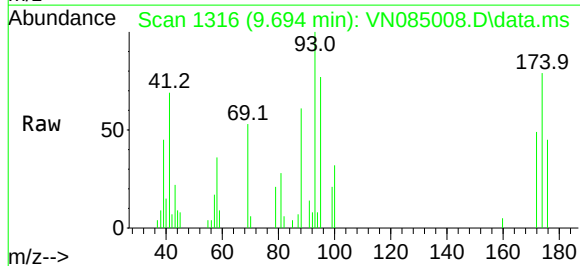
Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

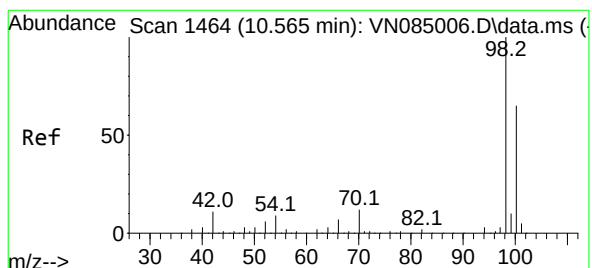
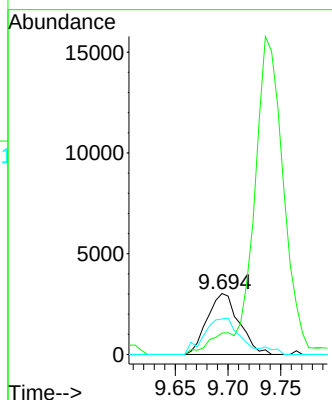
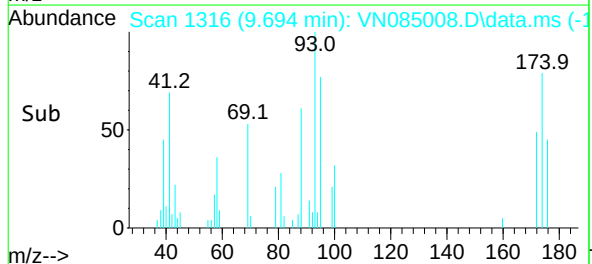
VSTDIC010



Tgt Ion: 88 Resp: 6366
Ion Ratio Lower Upper
88 100
43 0.0 16.7 25.1#
58 70.8 56.5 84.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

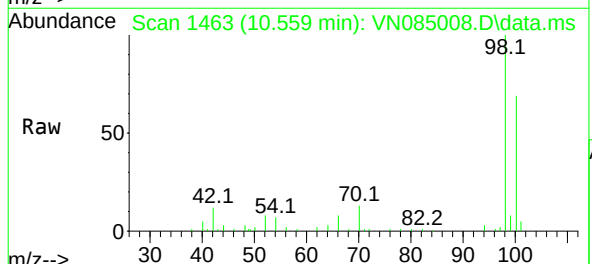
Concen: 9.614 ug/l

RT: 10.559 min Scan# 1463

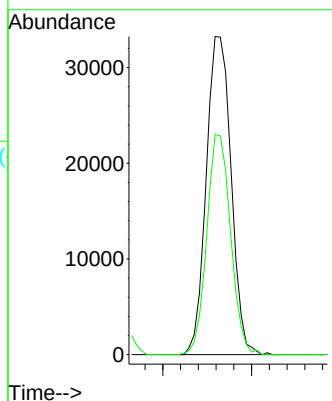
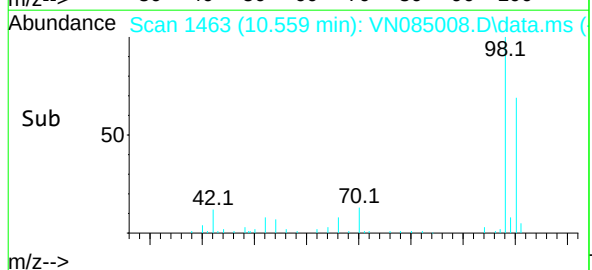
Delta R.T. -0.006 min

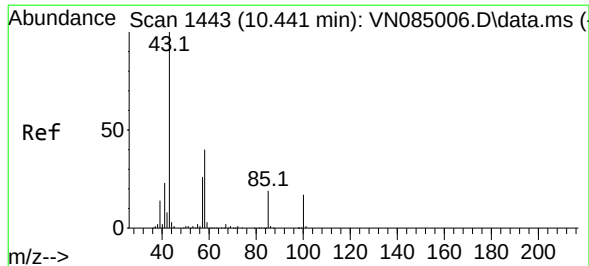
Lab File: VN085008.D

Acq: 22 Nov 2024 12:34



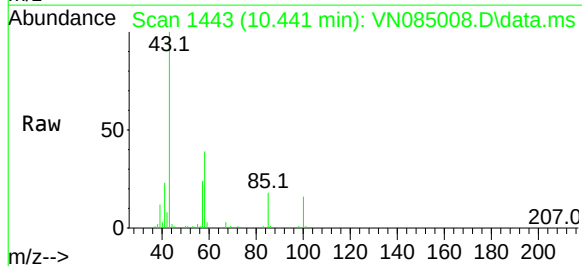
Tgt Ion: 98 Resp: 64656
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7





#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

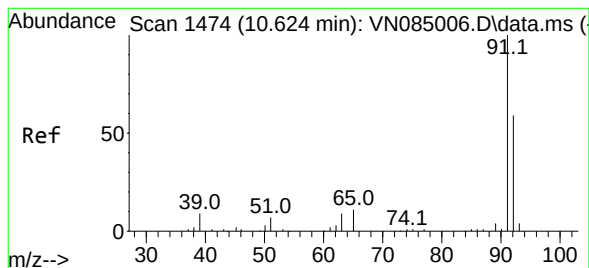
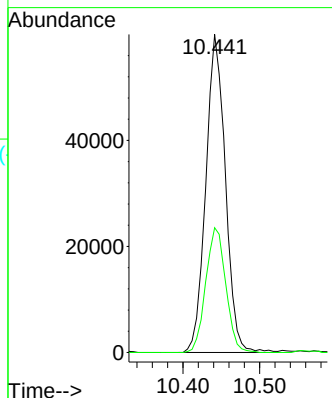
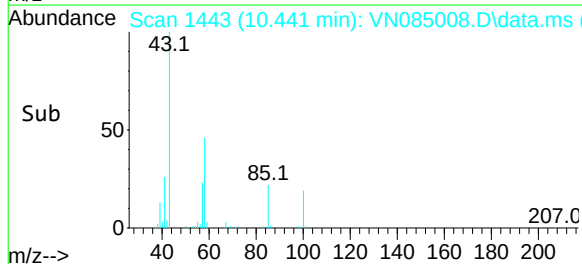
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 106422
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1

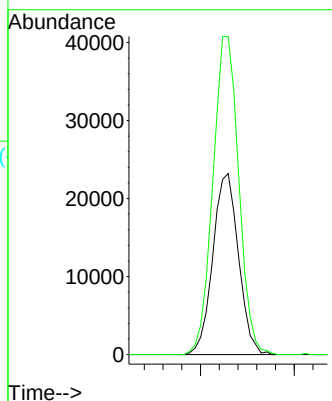
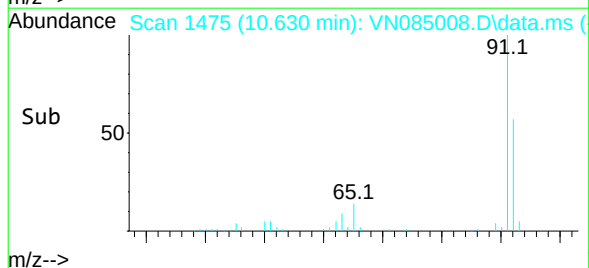
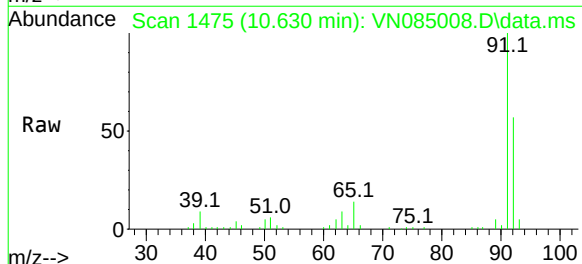
Manual Integrations
APPROVED

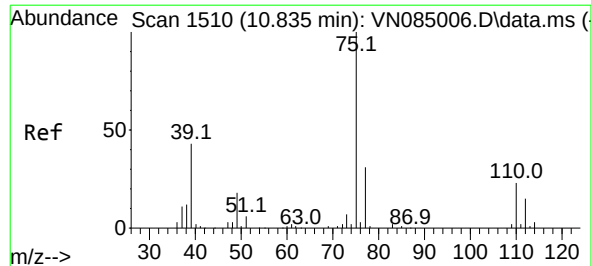
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072
Ion Ratio Lower Upper
92 100
91 177.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 9.249 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 27040

Ion Ratio Lower Upper

75 100

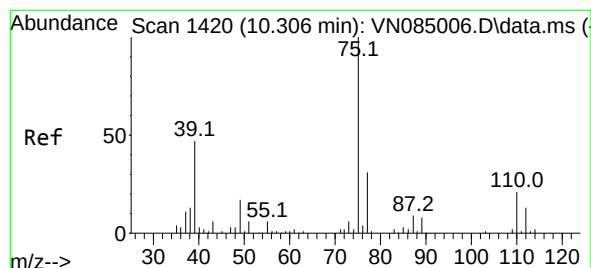
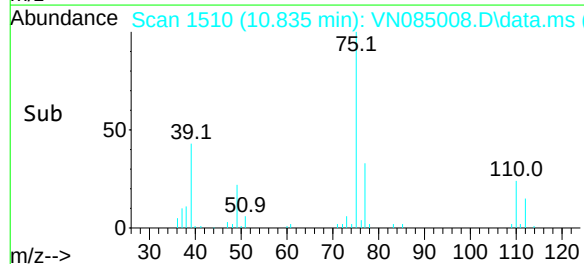
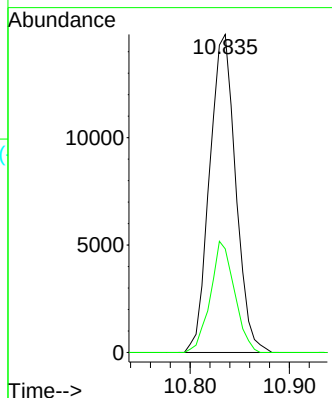
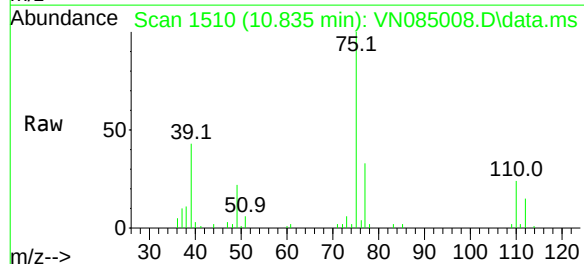
77 32.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 9.087 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

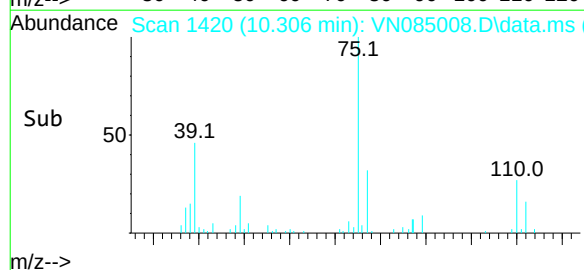
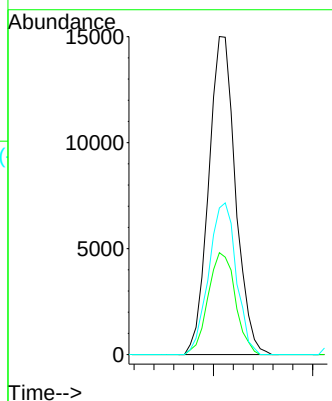
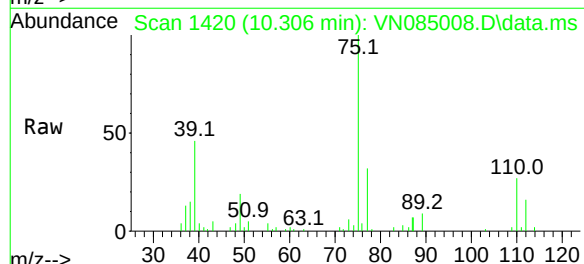
Tgt Ion: 75 Resp: 28183

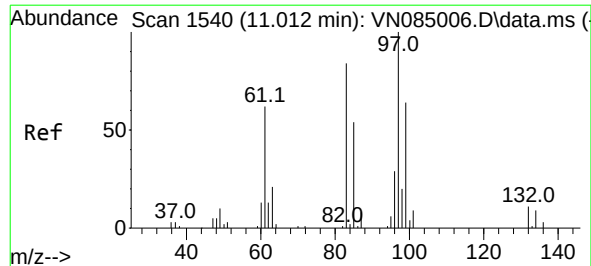
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 46.1 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 9.871 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 17498

Ion Ratio Lower Upper

97 100

83 86.4 67.4 101.2

85 51.5 43.1 64.7

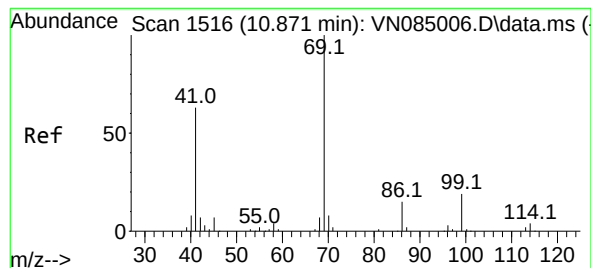
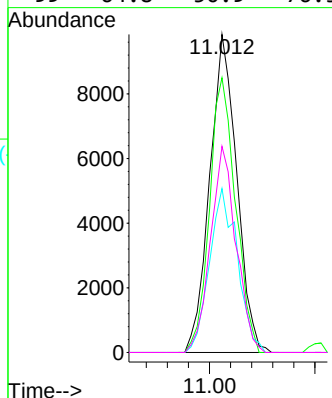
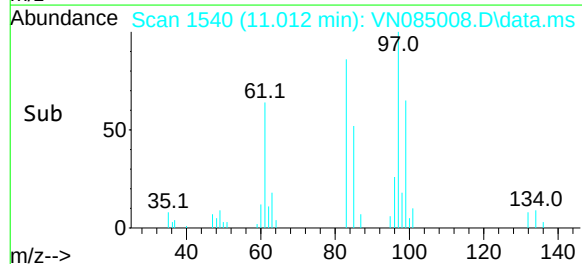
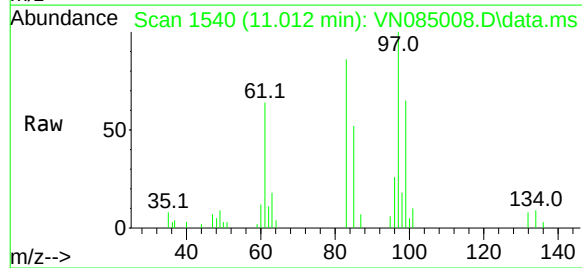
99 64.8 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 9.385 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

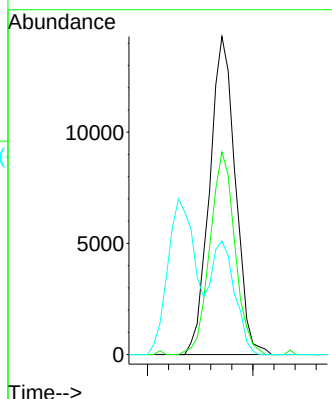
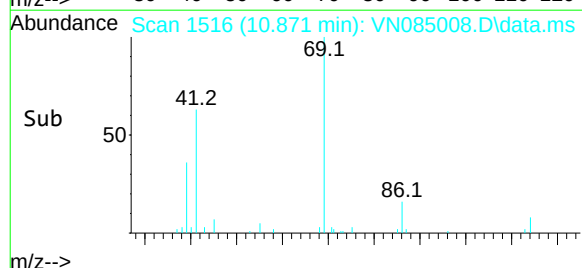
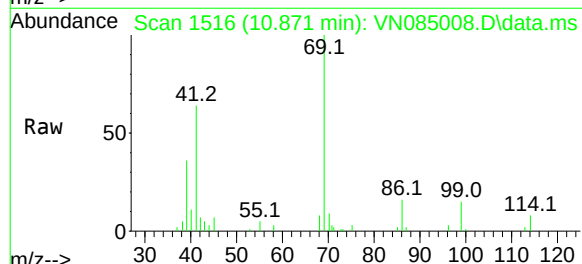
Tgt Ion: 69 Resp: 24309

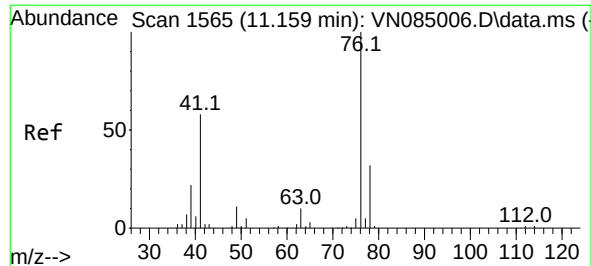
Ion Ratio Lower Upper

69 100

41 61.7 50.0 75.0

39 33.1 27.0 40.6





#57

1,3-Dichloropropane

Concen: 9.378 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 29257

Ion Ratio Lower Upper

76 100

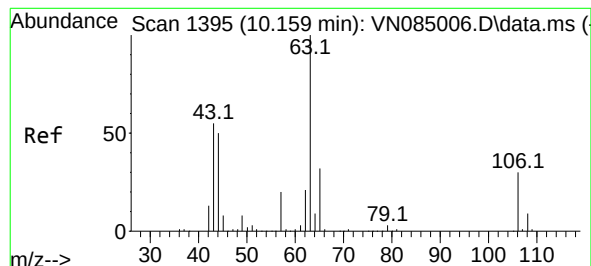
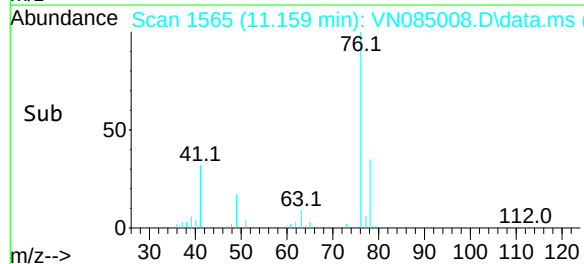
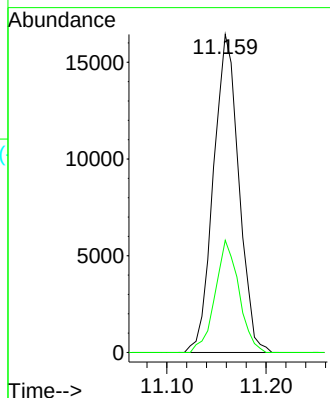
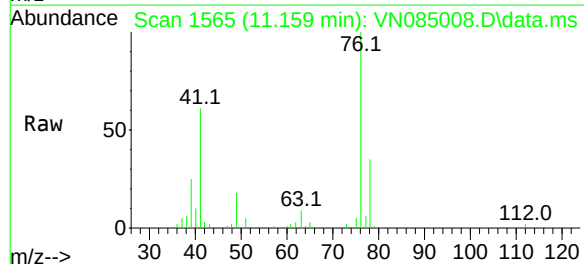
78 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 48.207 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085008.D

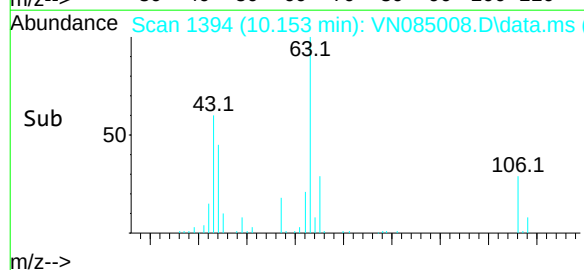
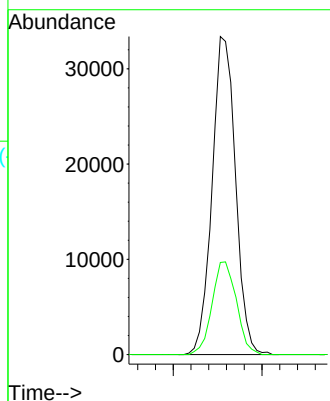
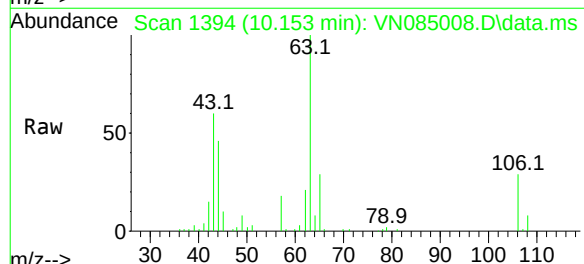
Acq: 22 Nov 2024 12:34

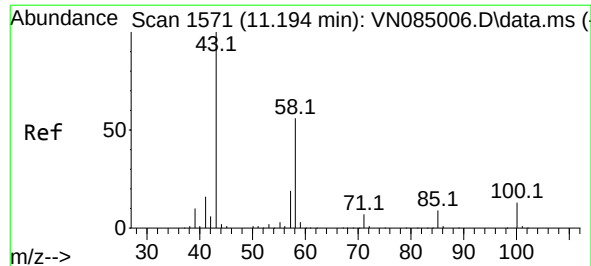
Tgt Ion: 63 Resp: 61252

Ion Ratio Lower Upper

63 100

106 30.3 23.0 34.6





#59

2-Hexanone

Concen: 47.542 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085008.D

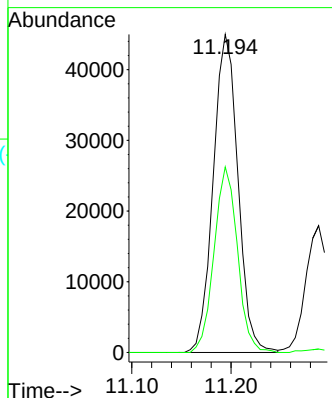
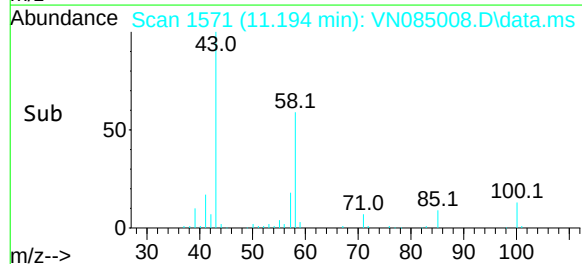
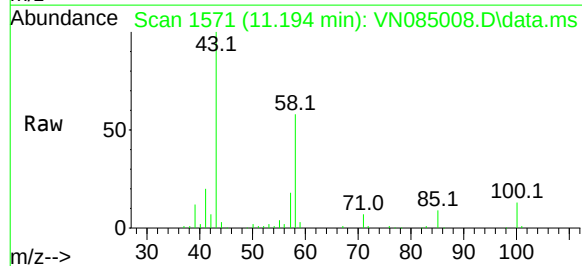
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 77951

Ion Ratio Lower Upper

43 100

58 55.0 28.3 85.0



Instrument :

MSVOA_N

ClientSampleId :

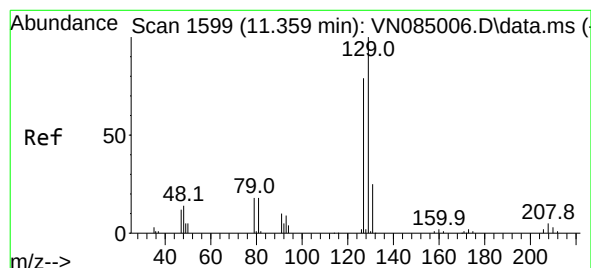
VSTDIC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 8.991 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN085008.D

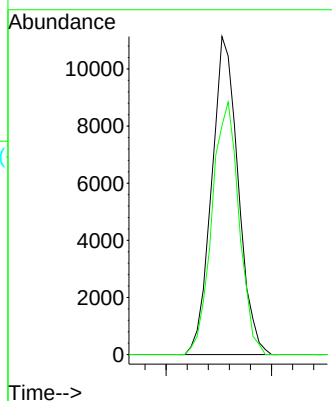
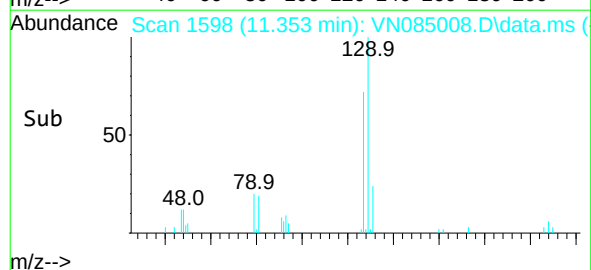
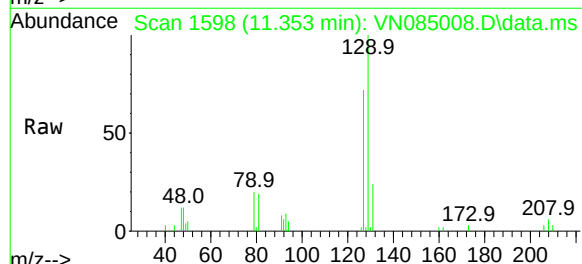
Acq: 22 Nov 2024 12:34

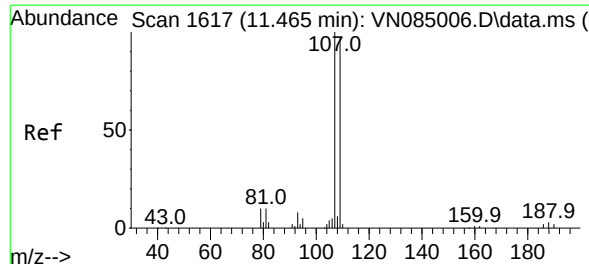
Tgt Ion:129 Resp: 19478

Ion Ratio Lower Upper

129 100

127 80.8 39.2 117.6





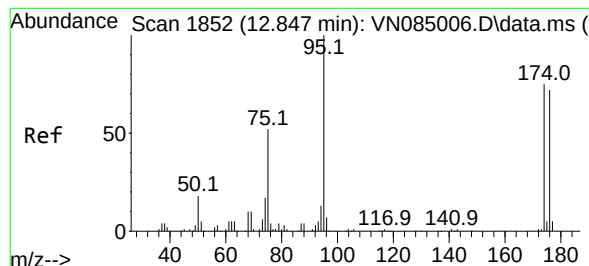
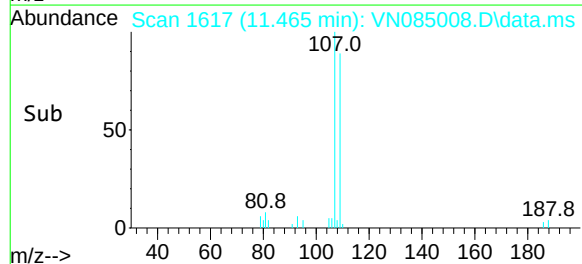
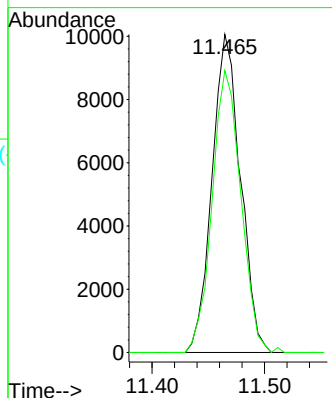
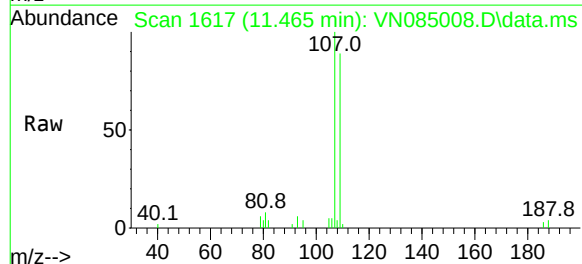
#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 107 Resp: 17673
Ion Ratio Lower Upper
107 100
109 89.8 76.1 114.1

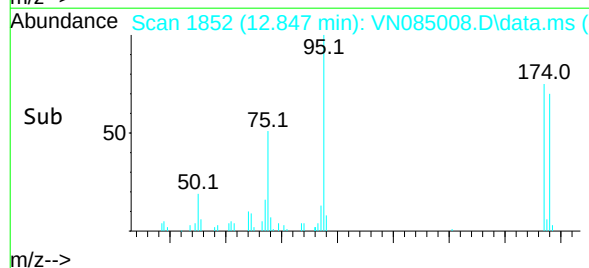
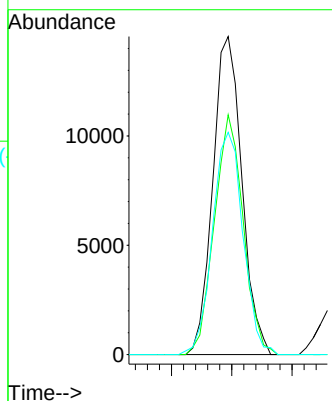
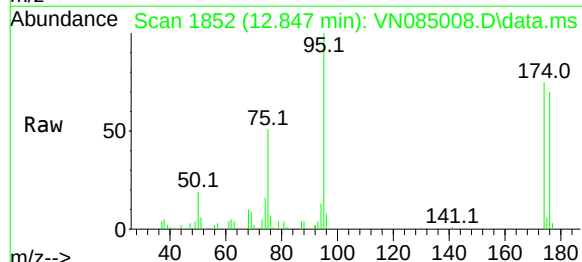
Manual Integrations
APPROVED

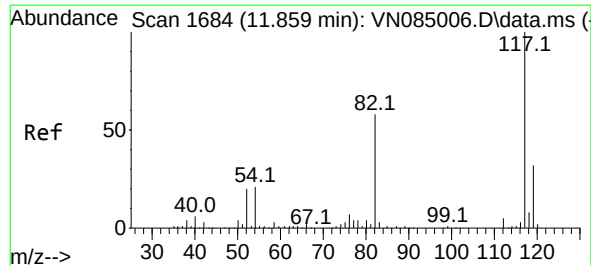
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371
Ion Ratio Lower Upper
95 100
174 74.7 0.0 146.6
176 73.3 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:117 Resp: 234609

Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

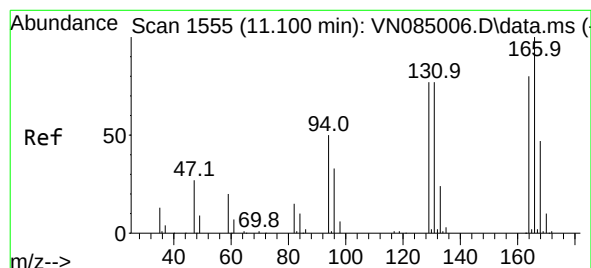
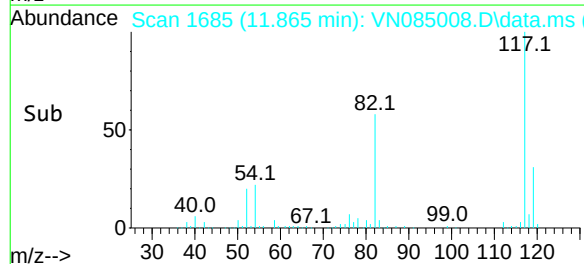
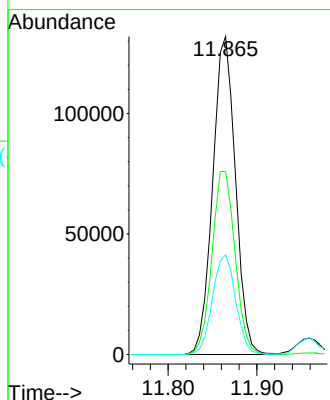
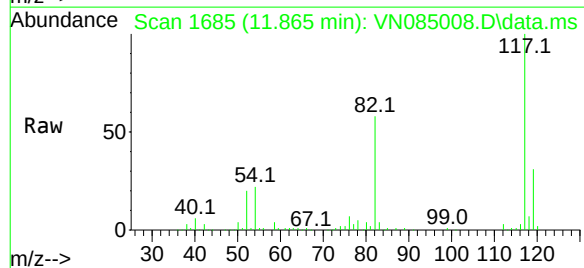
119 31.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 9.547 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

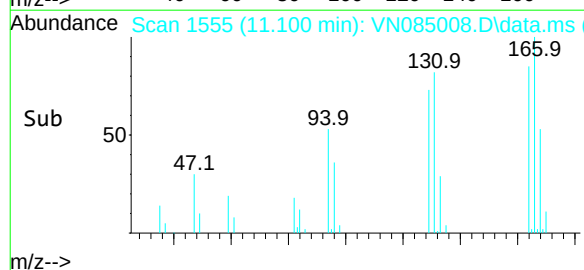
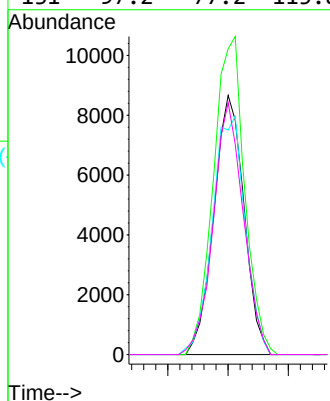
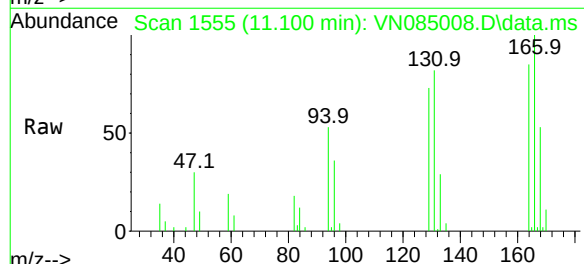
Ion Ratio Lower Upper

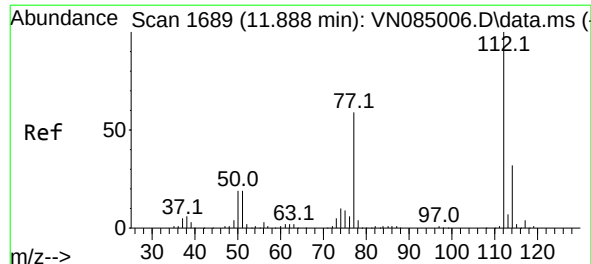
164 100

166 118.1 100.6 151.0

129 86.6 77.7 116.5

131 97.2 77.2 115.8





#65

Chlorobenzene

Concen: 9.605 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:112 Resp: 51106

Ion Ratio Lower Upper

112 100

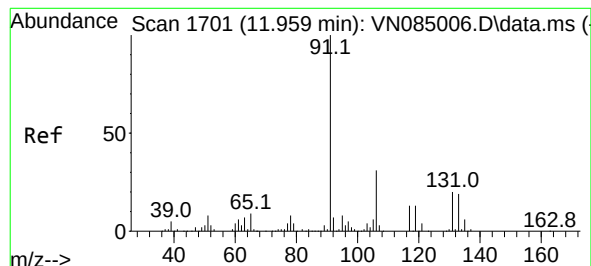
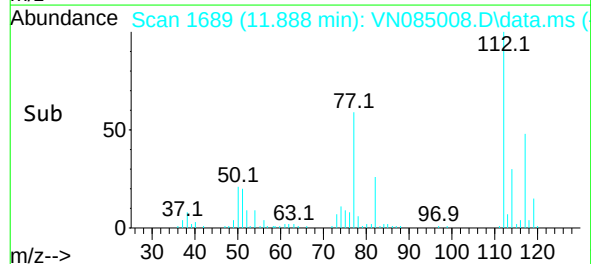
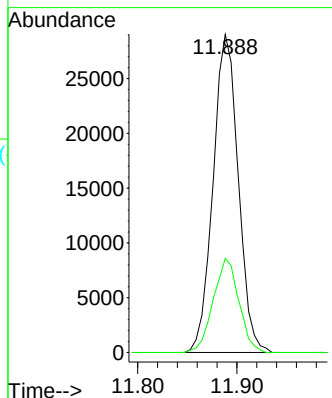
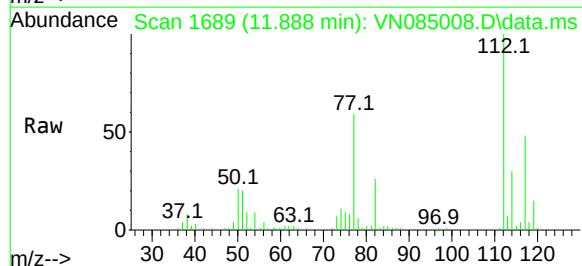
114 29.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 9.590 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

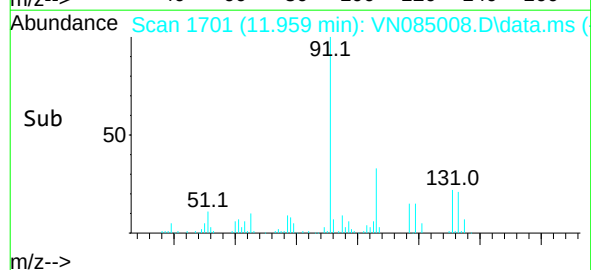
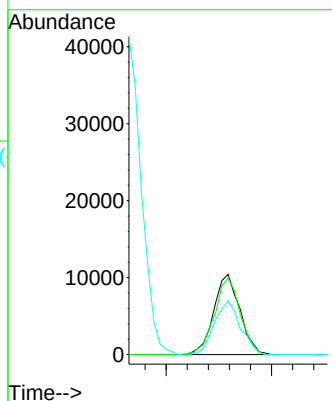
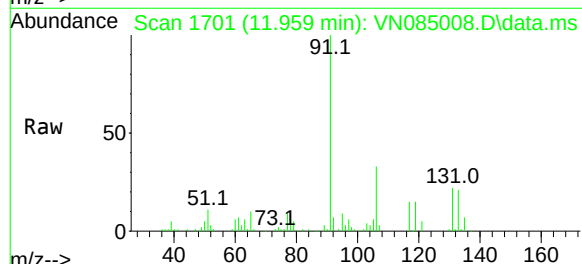
Tgt Ion:131 Resp: 17966

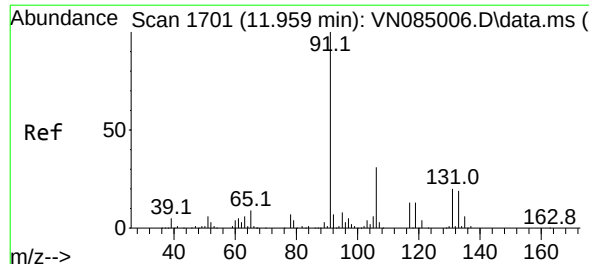
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.4

119 66.8 32.1 96.3





#67

Ethyl Benzene

Concen: 9.229 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 79668

Ion Ratio Lower Upper

91 100

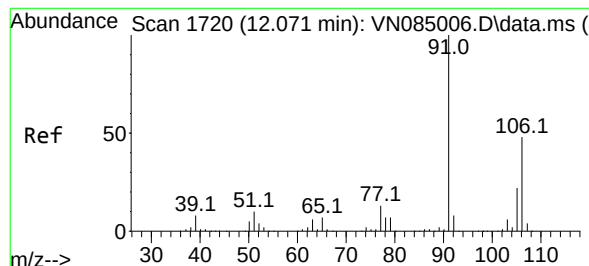
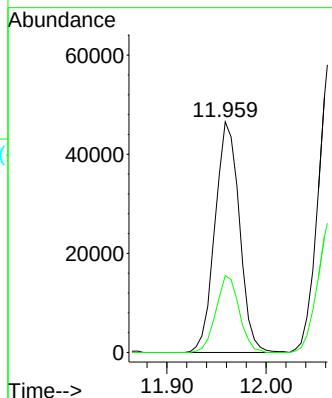
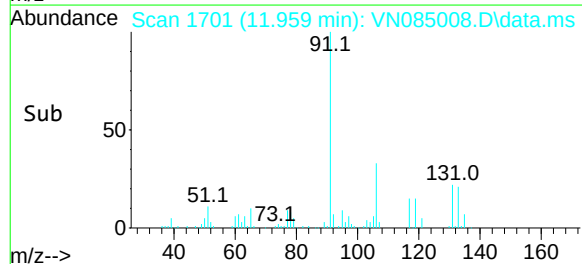
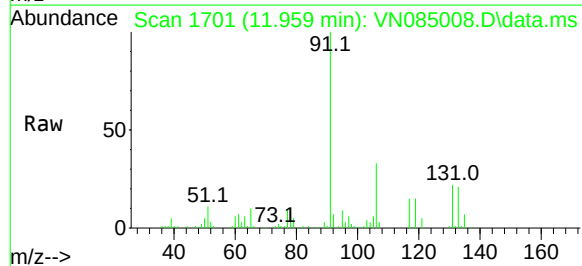
106 33.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 18.925 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085008.D

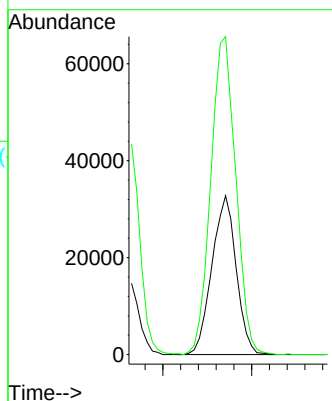
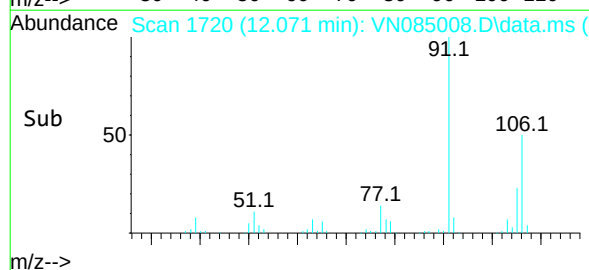
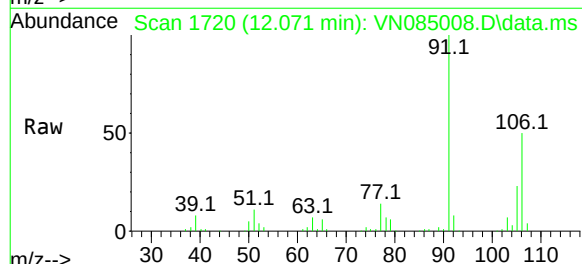
Acq: 22 Nov 2024 12:34

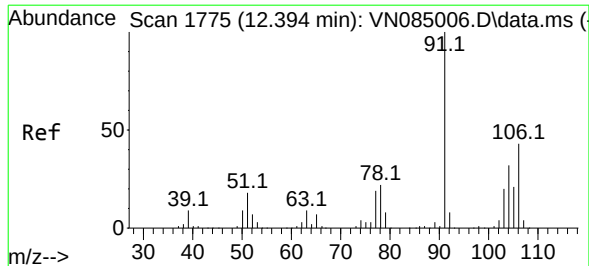
Tgt Ion:106 Resp: 62195

Ion Ratio Lower Upper

106 100

91 206.1 168.0 252.0





#69

o-Xylene

Concen: 9.618 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:106 Resp: 30067

Ion Ratio Lower Upper

106 100

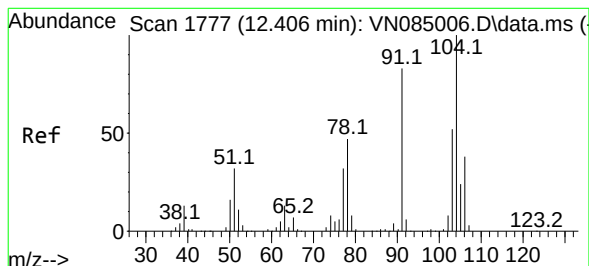
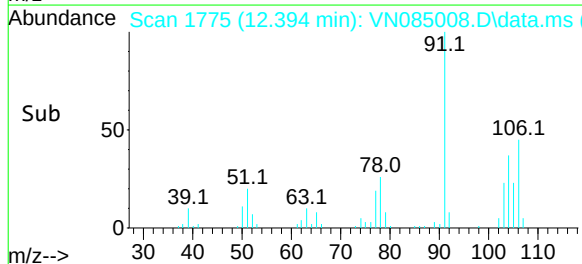
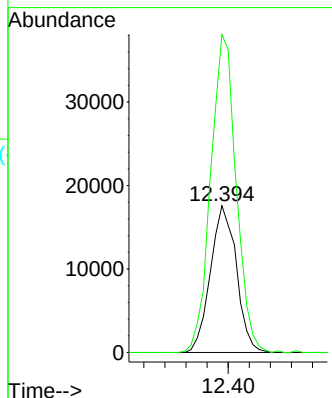
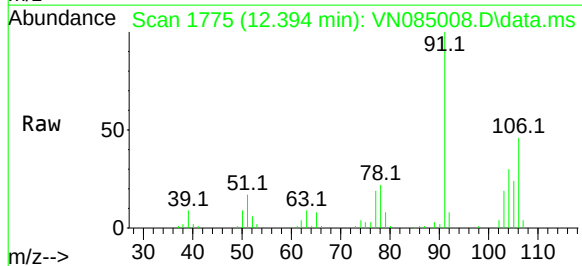
91 212.5 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 9.647 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

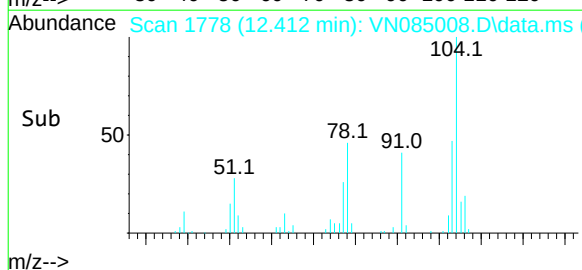
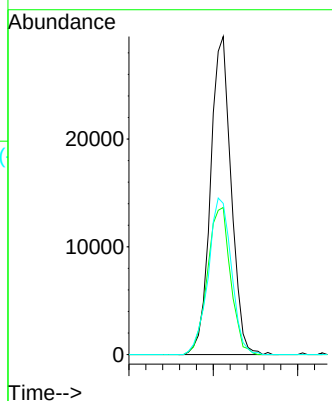
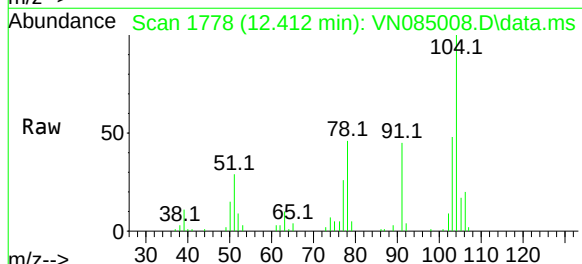
Tgt Ion:104 Resp: 50150

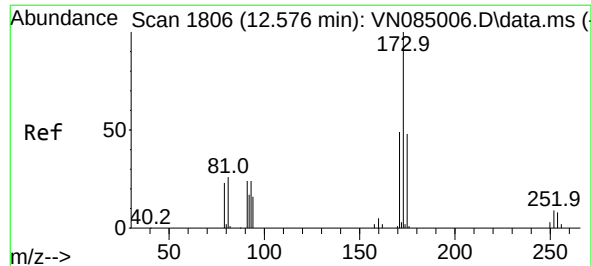
Ion Ratio Lower Upper

104 100

78 51.8 42.3 63.5

103 55.3 44.2 66.2





#71

Bromoform

Concen: 9.228 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

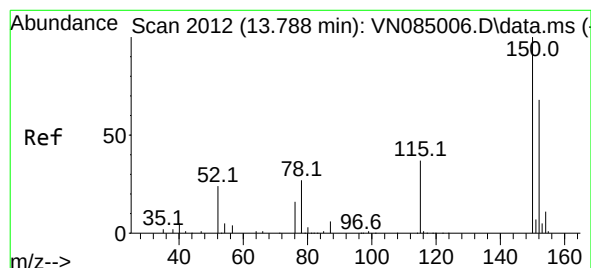
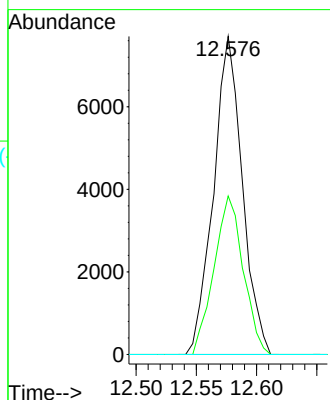
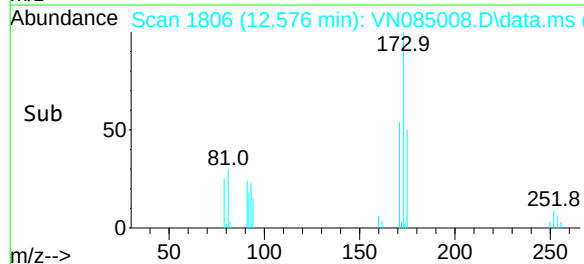
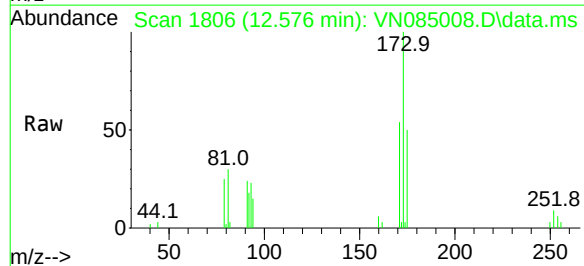
ClientSampleId :

VSTDICC010

Tgt Ion:	173	Resp:	12832
Ion	Ratio	Lower	Upper
173	100		
175	50.4	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

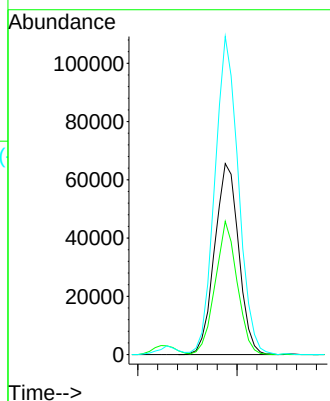
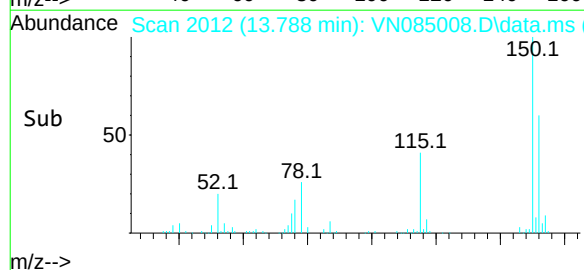
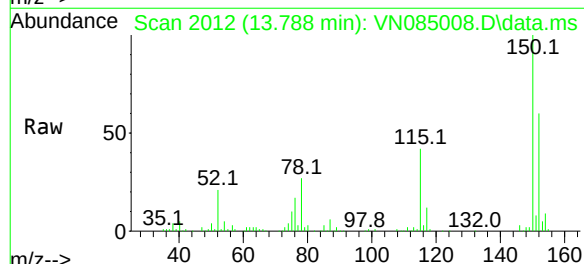
RT: 13.788 min Scan# 2012

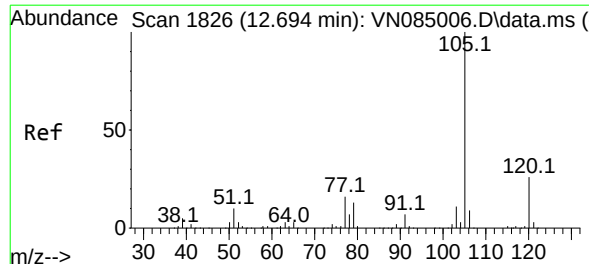
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	152	Resp:	110358
Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.7	95.1
150	163.9	0.0	351.4





#73

Isopropylbenzene

Concen: 9.644 ug/l

RT: 12.694 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:105 Resp: 75080

Ion Ratio Lower Upper

105 100

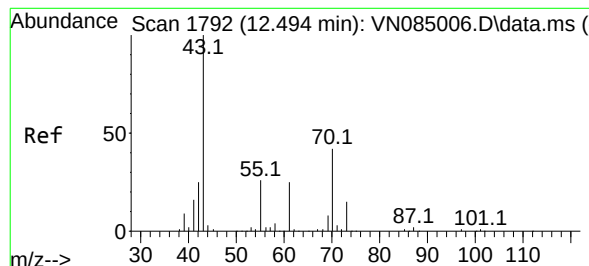
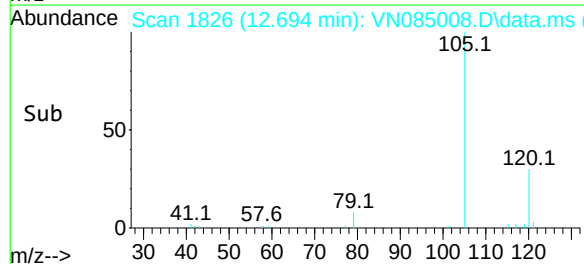
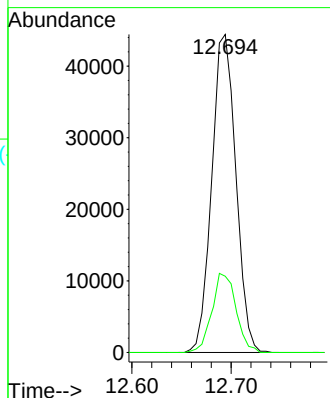
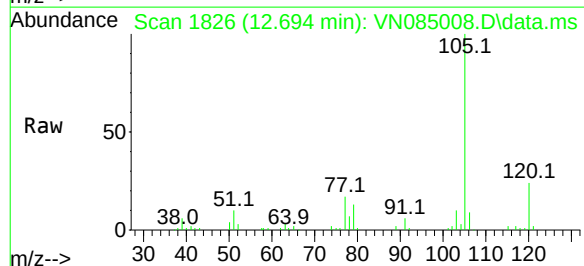
120 24.9 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 9.292 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

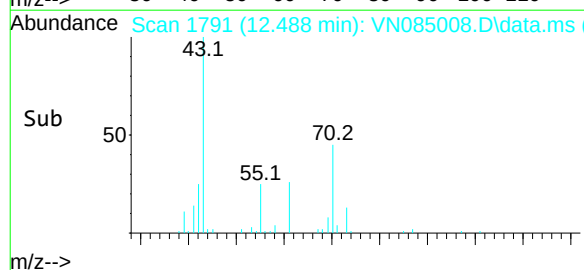
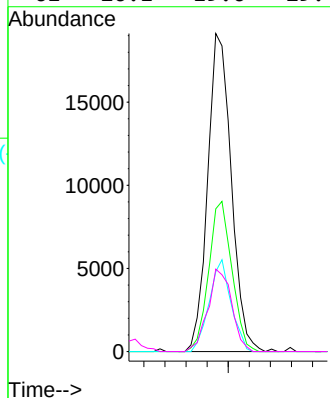
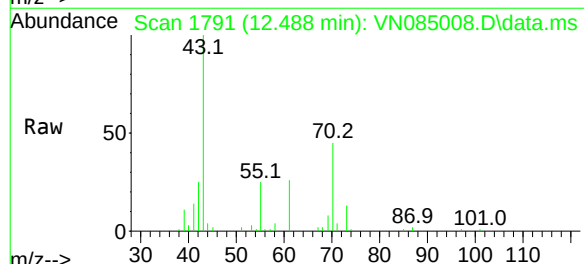
Ion Ratio Lower Upper

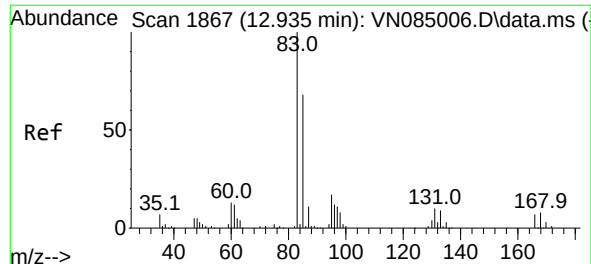
43 100

70 46.4 34.6 51.8

55 26.6 20.5 30.7

61 26.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.532 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

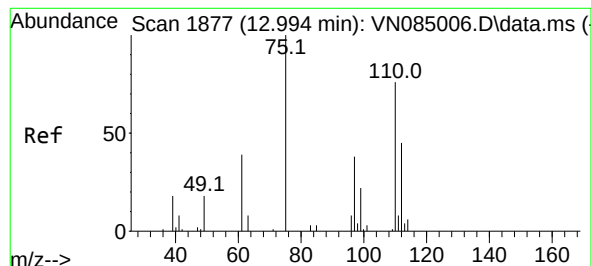
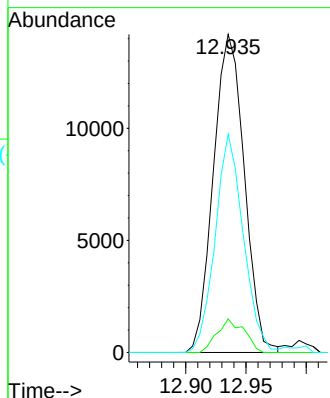
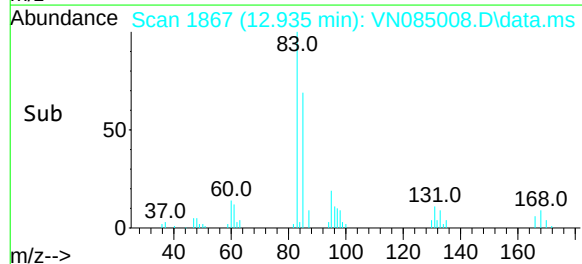
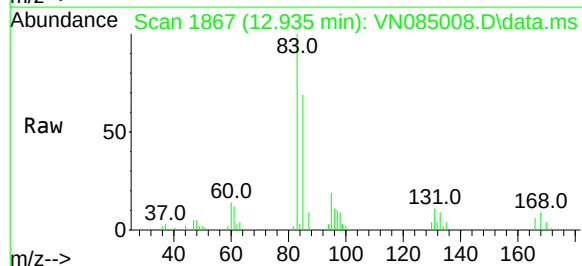
VSTDIC010

Tgt Ion:	83	Resp:	25341
Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.4
85	62.6	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 8.206 ug/l m

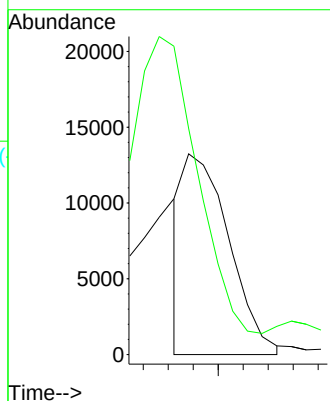
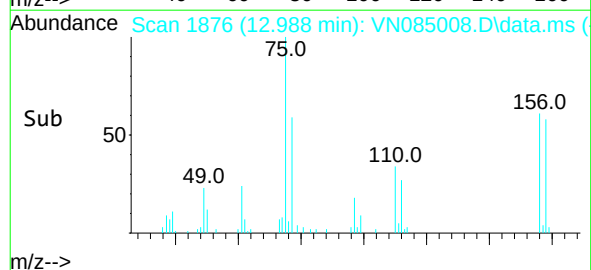
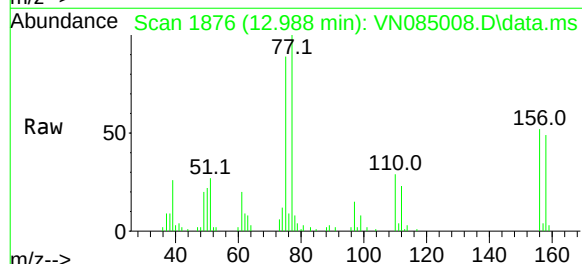
RT: 12.988 min Scan# 1876

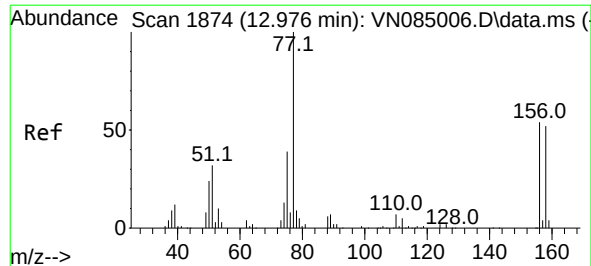
Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	75	Resp:	16940
Ion	Ratio	Lower	Upper
75	100		
77	251.7	109.1	327.4





#77

Bromobenzene

Concen: 9.500 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

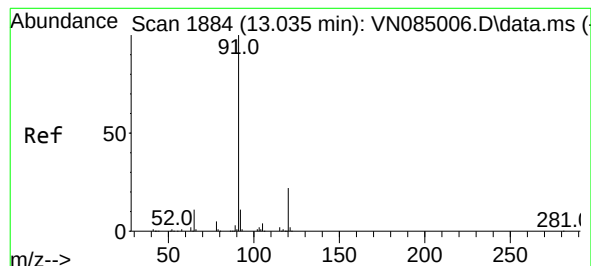
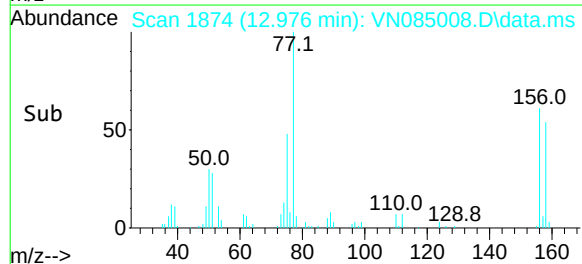
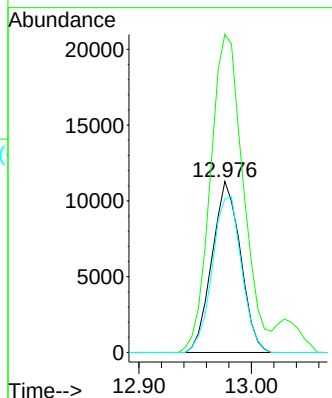
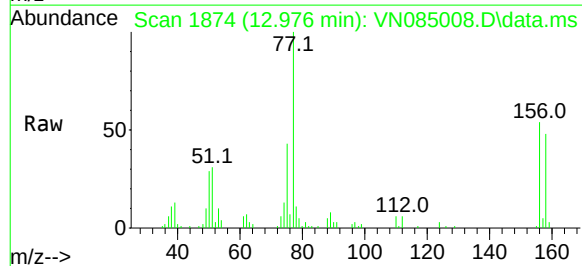
VSTDIC010

Tgt Ion:	156	Resp:	19904
Ion Ratio	Lower	Upper	
156	100		
77	214.3	107.2	321.6
158	93.5	48.5	145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 9.537 ug/l

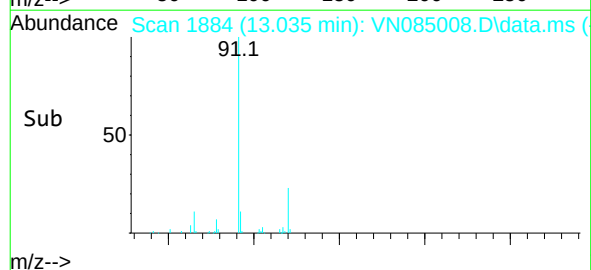
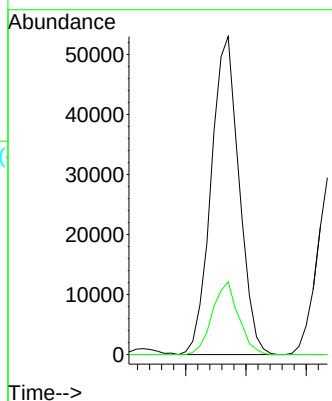
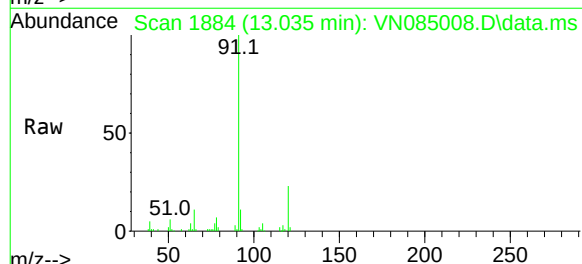
RT: 13.035 min Scan# 1884

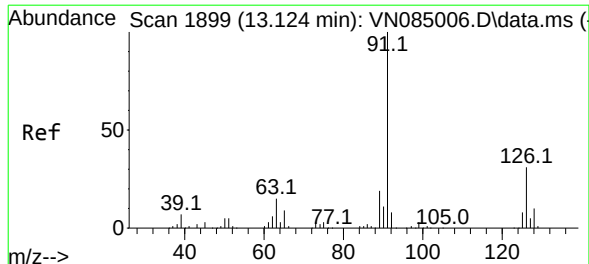
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	91	Resp:	85642
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 9.715 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 91 Resp: 58233

Ion Ratio Lower Upper

91 100

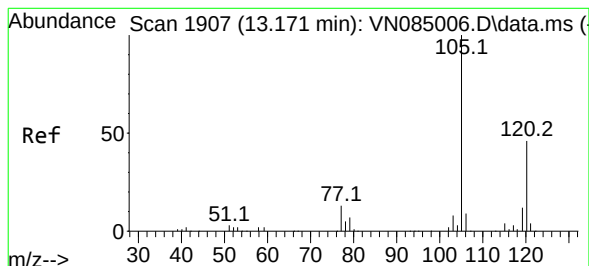
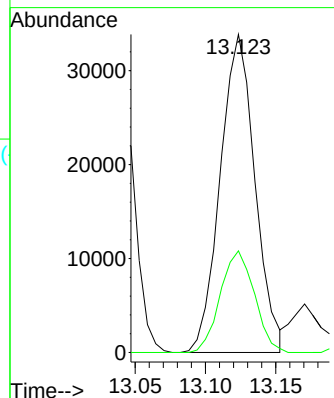
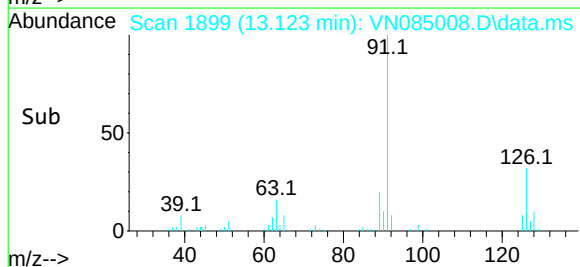
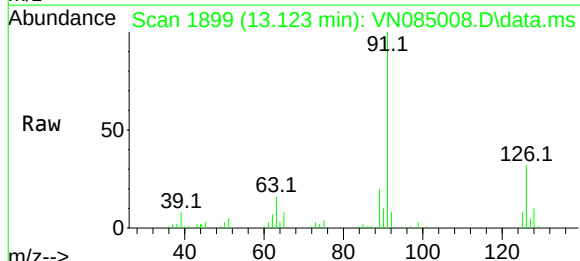
126 31.2 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 9.676 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085008.D

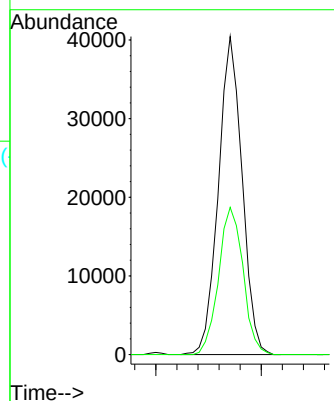
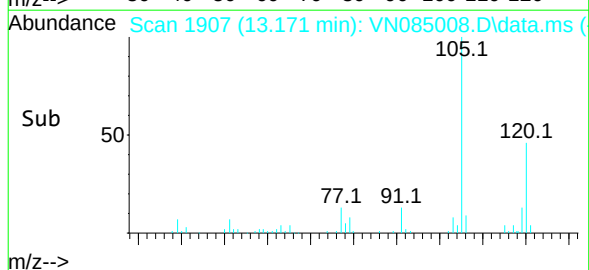
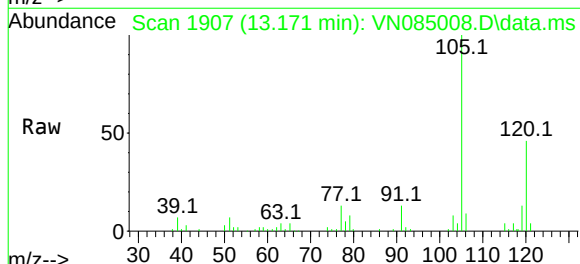
Acq: 22 Nov 2024 12:34

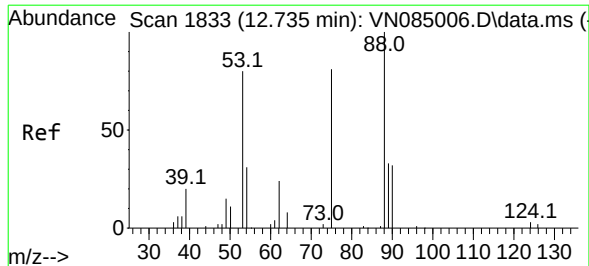
Tgt Ion:105 Resp: 63212

Ion Ratio Lower Upper

105 100

120 47.8 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 9.738 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

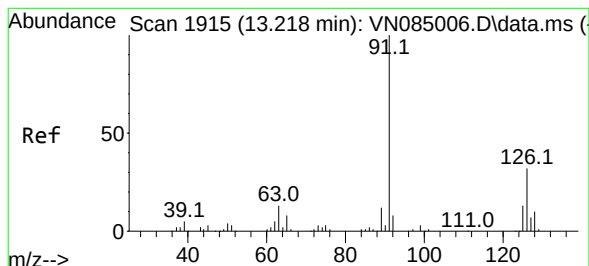
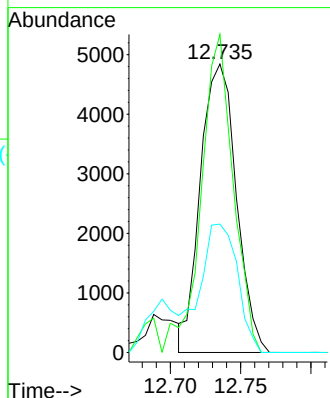
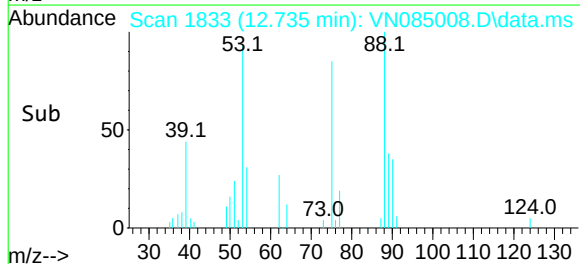
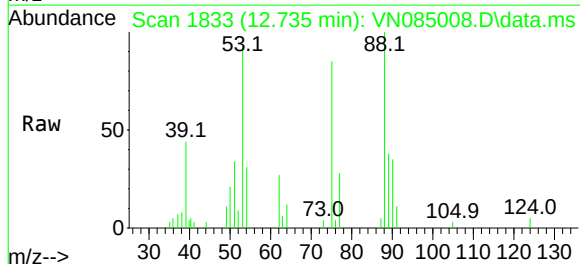
Tgt Ion:	75	Resp:	8603
Ion	Ratio	Lower	Upper
75	100		
53	97.9	78.2	117.4
89	46.5	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 9.640 ug/l

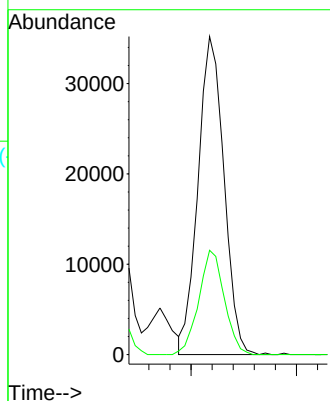
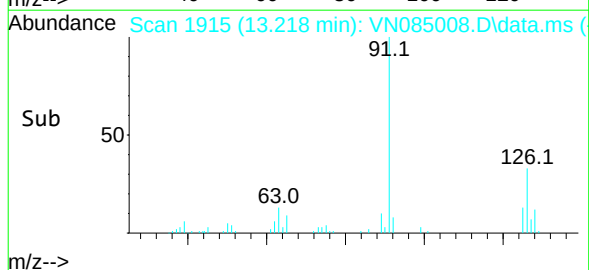
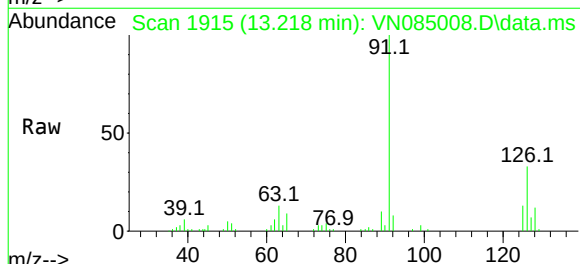
RT: 13.218 min Scan# 1915

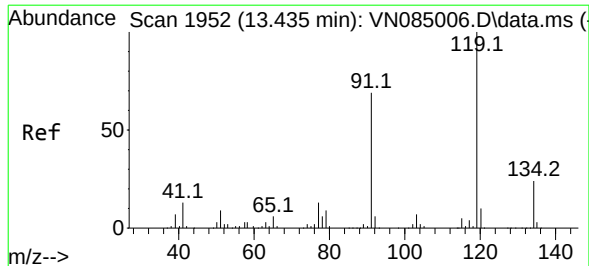
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	91	Resp:	60156
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.1	48.3





#83

tert-Butylbenzene

Concen: 9.566 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

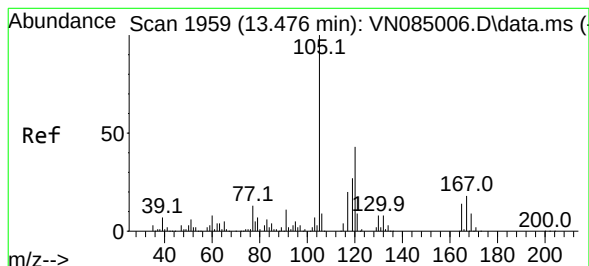
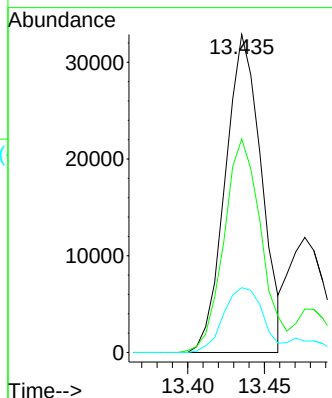
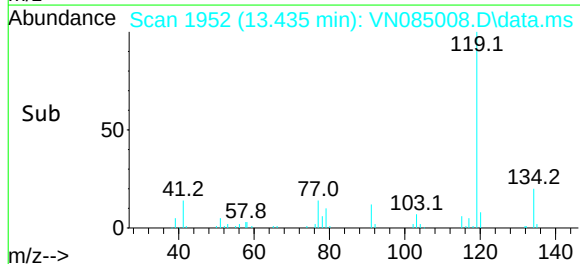
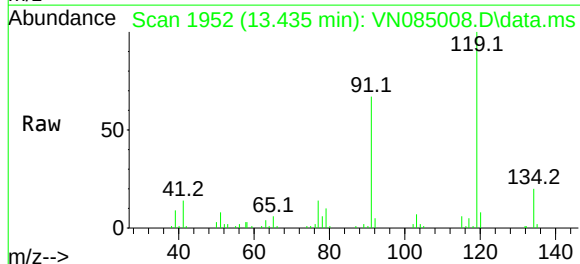
ClientSampleId :

VSTDICC010

Tgt Ion:	119	Resp:	53773
Ion	Ratio	Lower	Upper
119	100		
91	69.7	35.1	105.5
134	22.7	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 9.607 ug/l

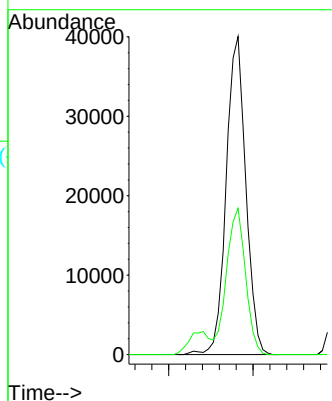
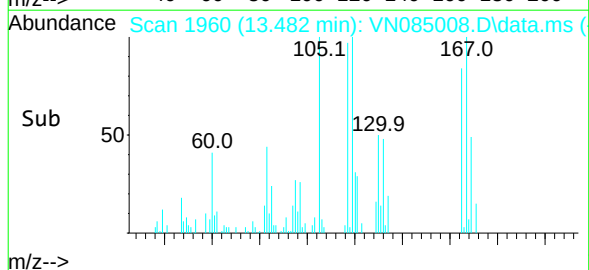
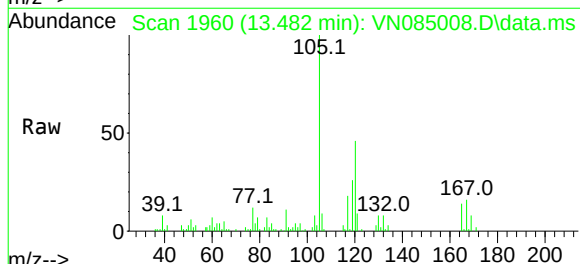
RT: 13.482 min Scan# 1960

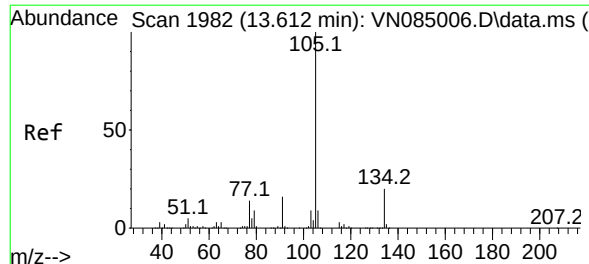
Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	105	Resp:	64606
Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.4





#85

sec-Butylbenzene

Concen: 9.535 ug/l

RT: 13.618 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion:105 Resp: 72405

Ion Ratio Lower Upper

105 100

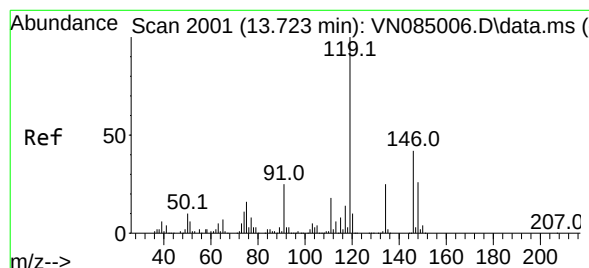
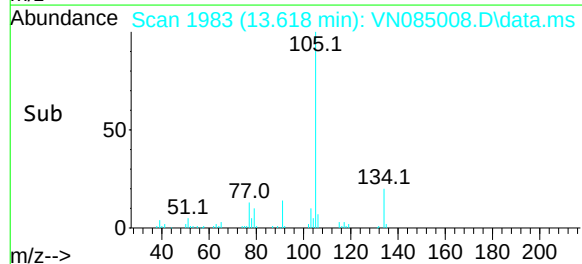
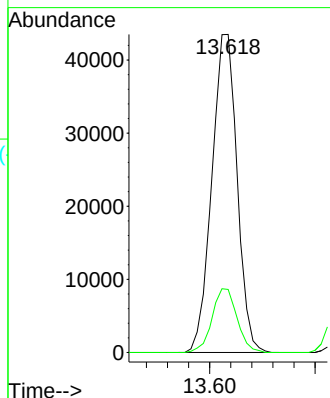
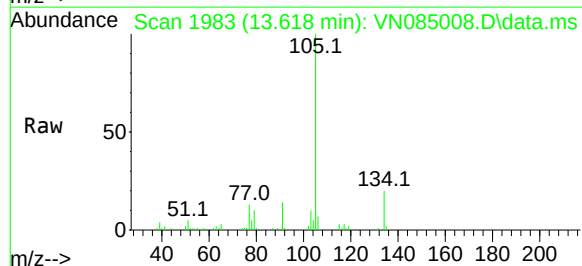
134 19.8 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 9.647 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

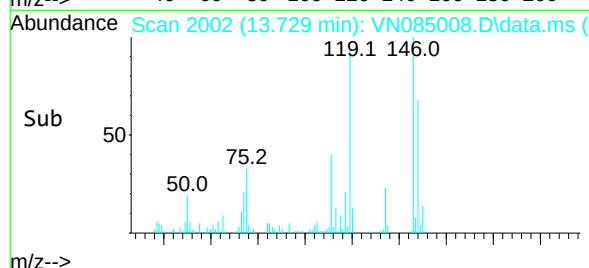
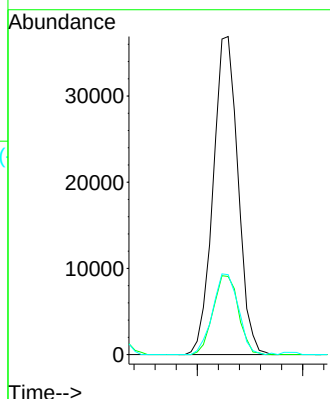
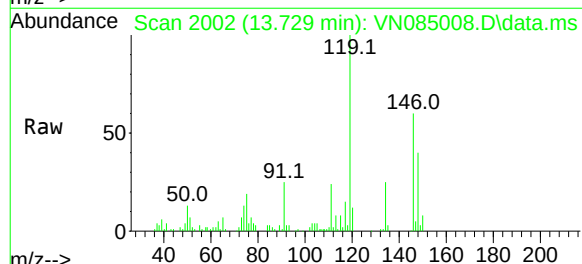
Tgt Ion:119 Resp: 60467

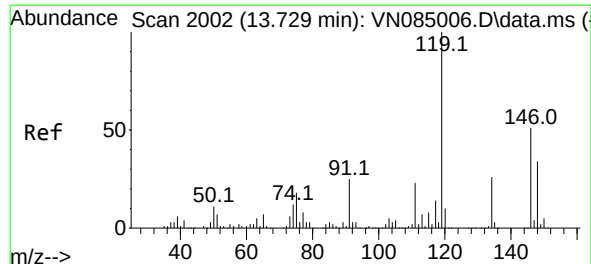
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 26.2 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 9.317 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

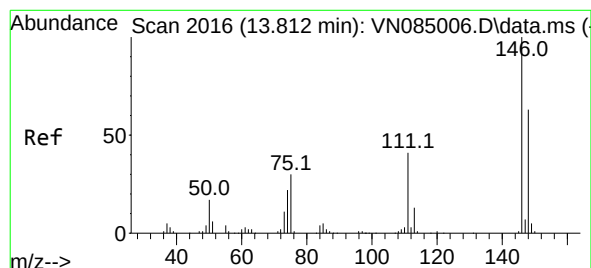
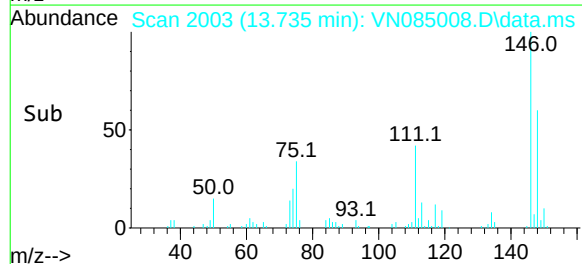
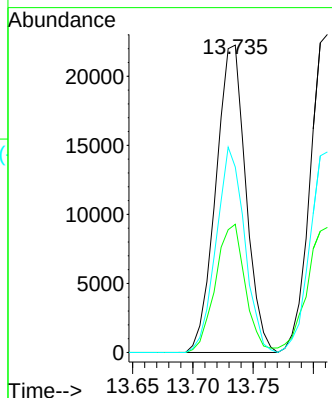
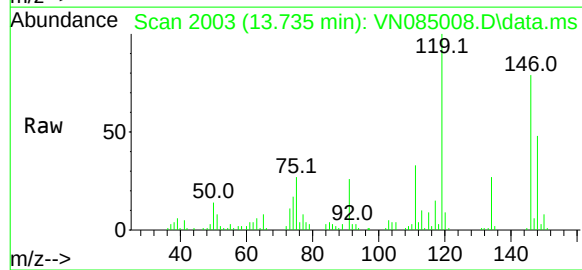
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	38501
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.6	65.0
148	63.3	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 9.360 ug/l

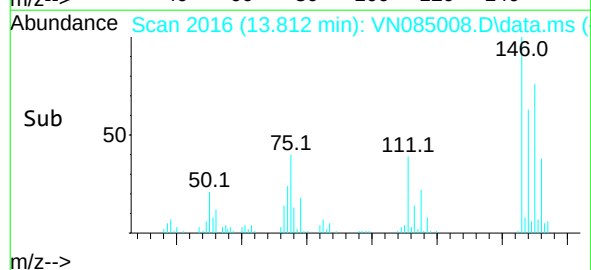
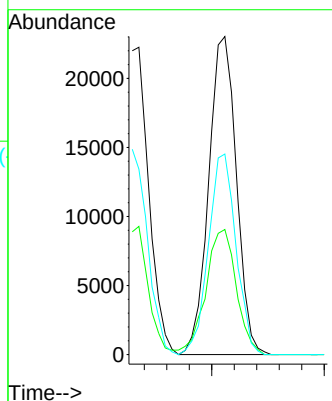
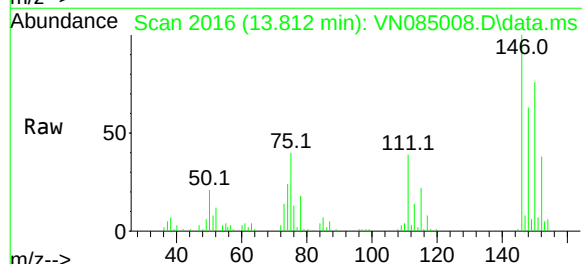
RT: 13.812 min Scan# 2016

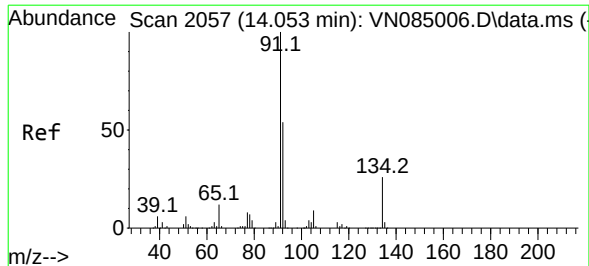
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	146	Resp:	39471
Ion Ratio	Lower	Upper	
146	100		
111	43.5	20.9	62.8
148	62.7	31.3	93.9





#89

n-Butylbenzene

Concen: 8.994 ug/l

RT: 14.059 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

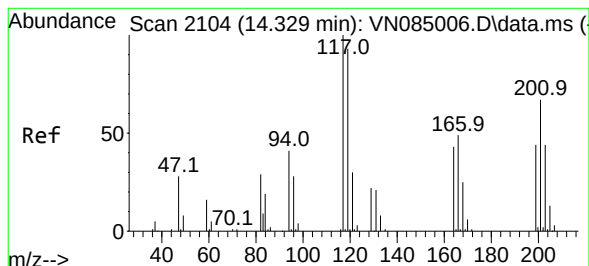
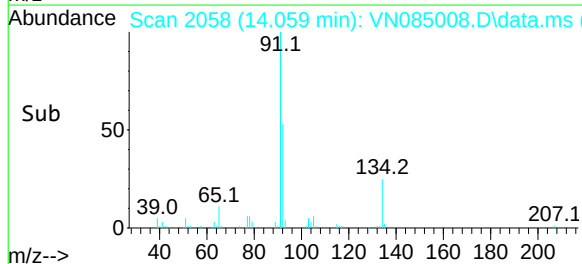
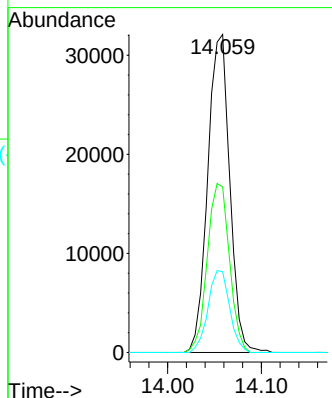
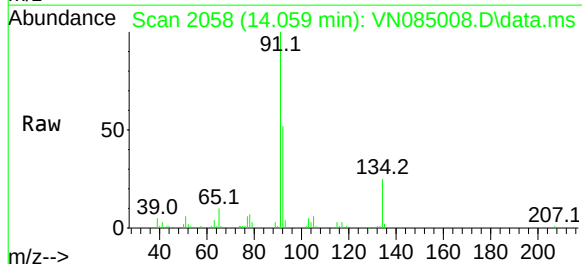
ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	52436
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.3
134	25.3	12.8	38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 9.179 ug/l

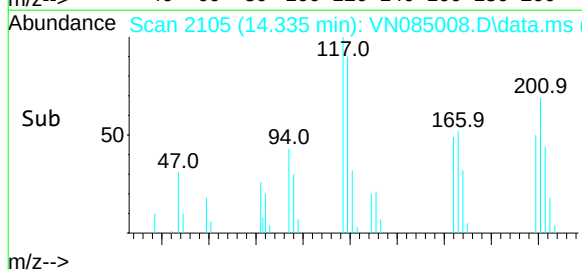
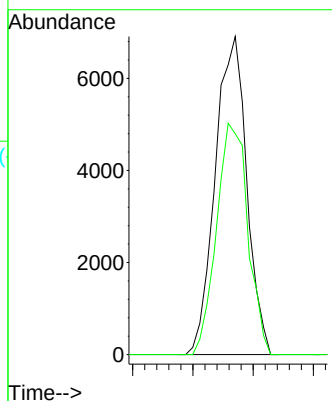
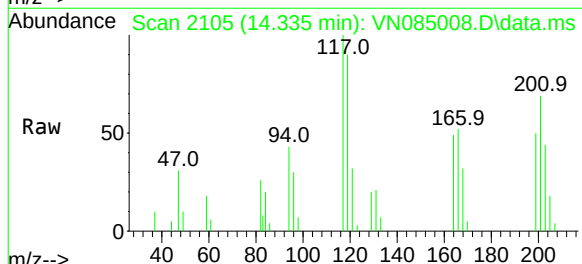
RT: 14.335 min Scan# 2105

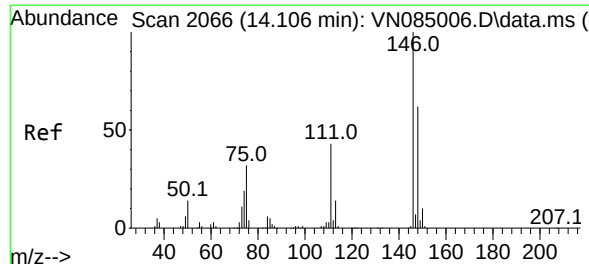
Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	117	Resp:	12541
Ion	Ratio	Lower	Upper
117	100		
201	72.3	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 9.390 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

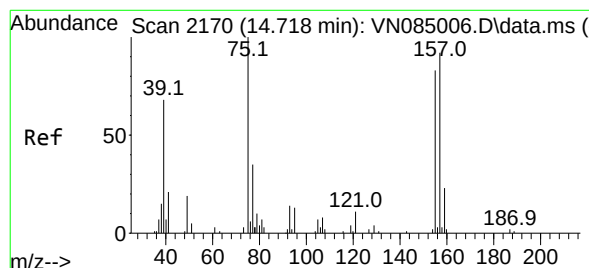
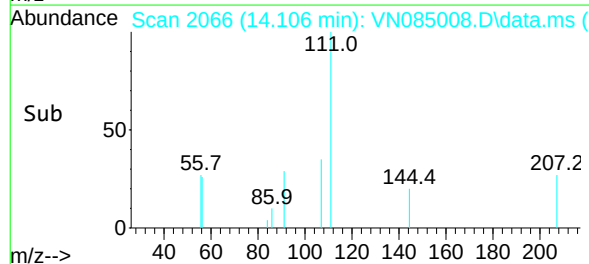
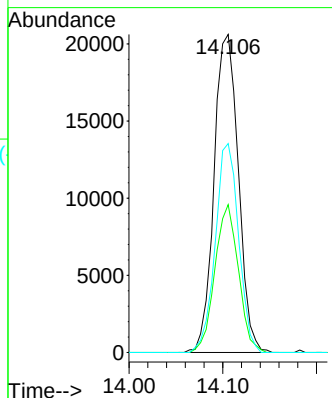
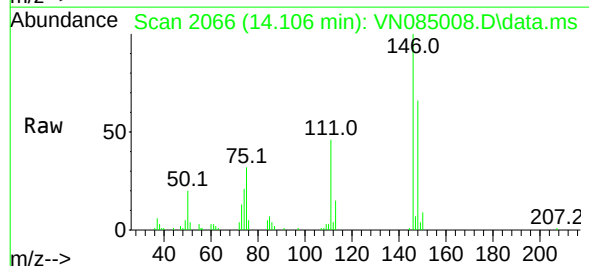
ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	37183
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.9	65.8
148	63.1	31.1	93.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.565 ug/l

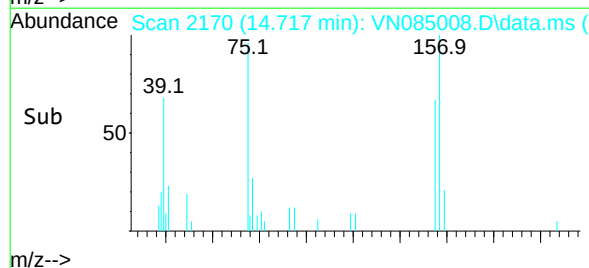
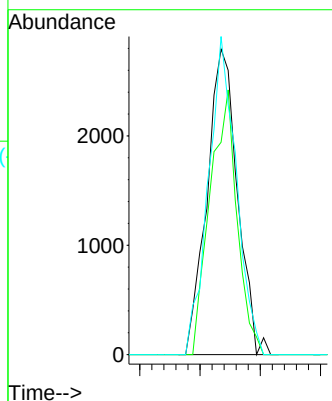
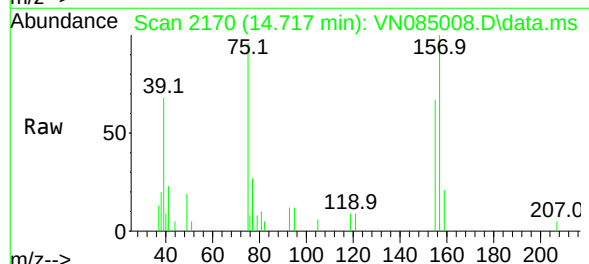
RT: 14.717 min Scan# 2170

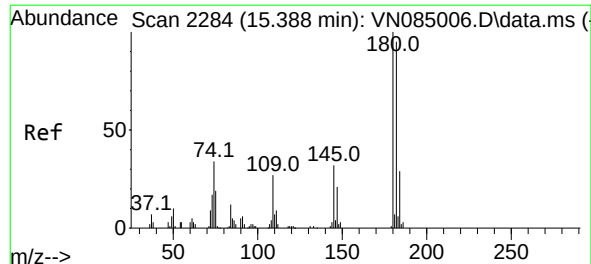
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	75	Resp:	4917
Ion	Ratio	Lower	Upper
75	100		
155	76.6	38.9	116.7
157	95.3	48.3	144.9





#93

1,2,4-Trichlorobenzene

Concen: 9.429 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

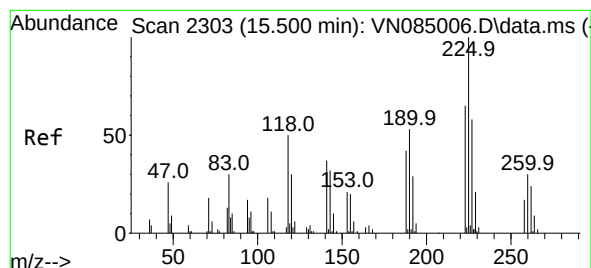
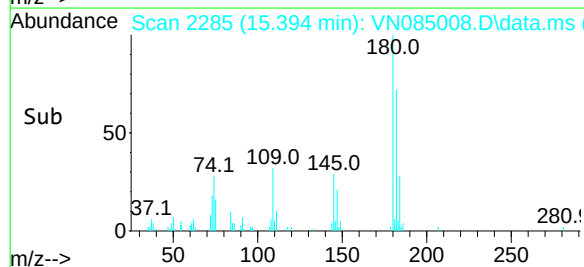
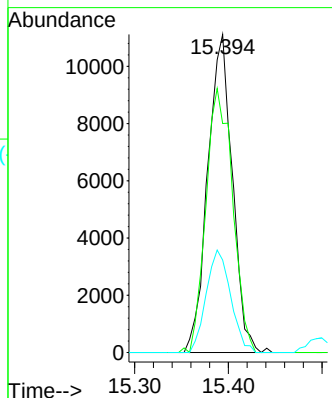
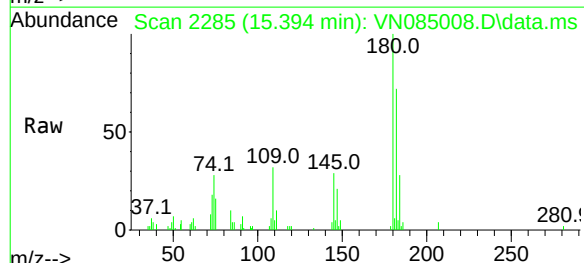
VSTDIC010

Tgt Ion:	180	Resp:	20285
Ion Ratio	Lower	Upper	
180	100		
182	90.0	46.9	140.8
145	32.0	16.3	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 9.080 ug/l

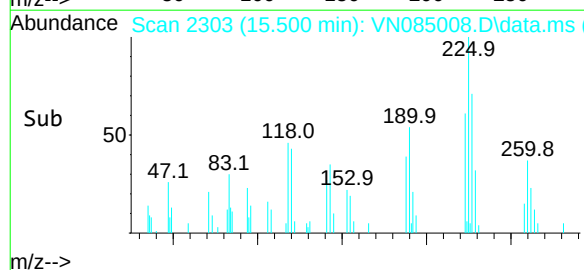
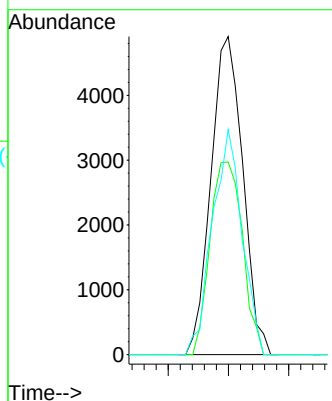
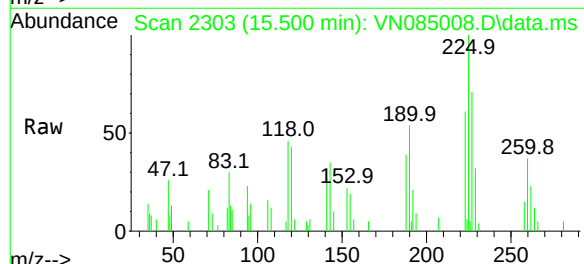
RT: 15.500 min Scan# 2303

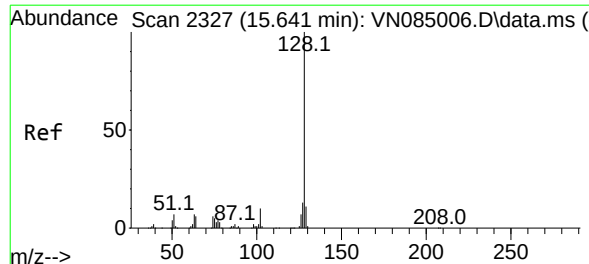
Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	225	Resp:	9015
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.9	92.8
227	66.2	31.5	94.5





#95

Naphthalene

Concen: 8.844 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

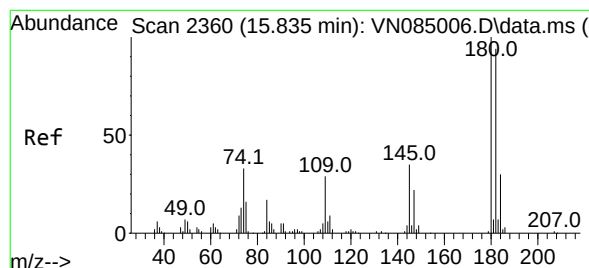
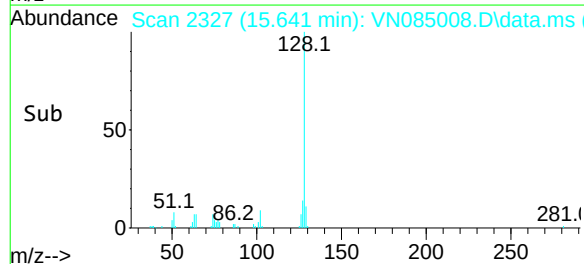
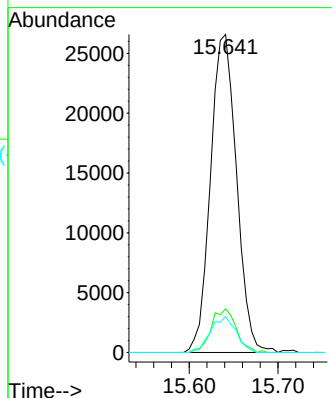
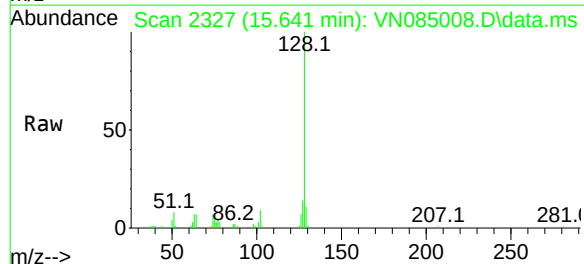
ClientSampleId :

VSTDIC010

Tgt Ion:	128	Resp:	54191
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 9.132 ug/l

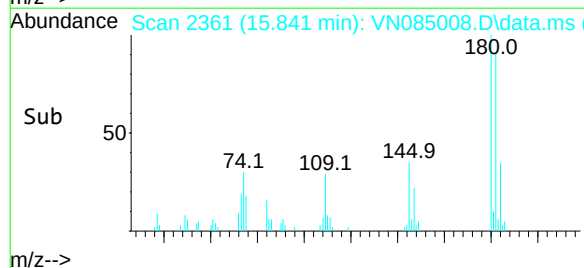
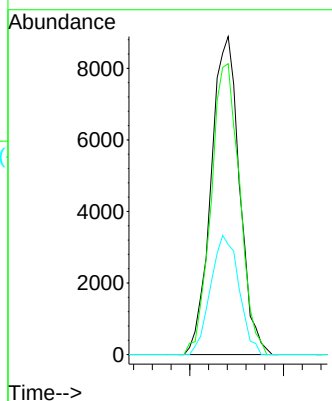
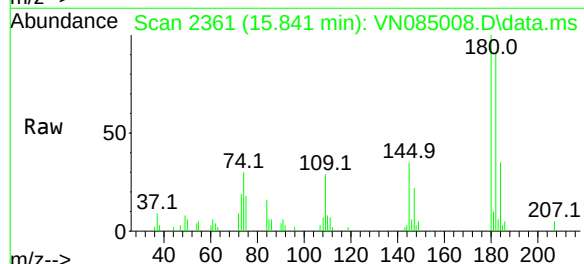
RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:	180	Resp:	18745
Ion Ratio	Lower	Upper	
180	100		
182	91.9	46.4	139.2
145	37.3	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.180%#
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.160%#
50) Toluene-d8	10.559	98	32318	4.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.560%#
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	10.040%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l	91
3) Chloromethane	2.359	50	10967	5.059	ug/l	97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l	92
5) Bromomethane	2.900	94	6052	5.543	ug/l	98
6) Chloroethane	3.059	64	6721	5.119	ug/l	93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l	98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l	98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l	96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l #	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l #	92
13) Acrolein	4.177	56	4745	22.602	ug/l	95
14) Allyl chloride	5.006	41	14439	4.882	ug/l	97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l	96
16) Acetone	4.430	43	16131	23.525	ug/l	93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l #	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l	95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l #	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l	99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l	97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l	96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l	97
25) 2-Butanone	7.482	43	27100	24.174	ug/l	98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l	96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l #	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l	99
30) Chloroform	7.959	83	18837	4.971	ug/l	91
31) Cyclohexane	8.247	56	18036	5.751	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l	97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l	98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l #	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l	96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l	95
40) Benzene	8.600	78	40657	5.026	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 23 01:56:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417	ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356	ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947	ug/l	95
44) Trichloroethene	9.347	130	9711	5.165	ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948	ug/l	99
46) Dibromomethane	9.706	93	6962	5.028	ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962	ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918	ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010	ug/l	100
52) Toluene	10.629	92	24051	5.022	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559	ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779	ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928	ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605	ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254	ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237	ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974	ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128	ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556	ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261	ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916	ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514	ug/l	99
69) o-Xylene	12.400	106	14935	4.754	ug/l	98
70) Styrene	12.412	104	24480	4.686	ug/l	99
71) Bromoform	12.576	173	7040	5.038	ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910	ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	8907m	4.393	ug/l	
77) Bromobenzene	12.976	156	10485	5.095	ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931	ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502	ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986	ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743	ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718	ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322	ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732	ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992	ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272	ug/l	96
95) Naphthalene	15.641	128	29077	4.832	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

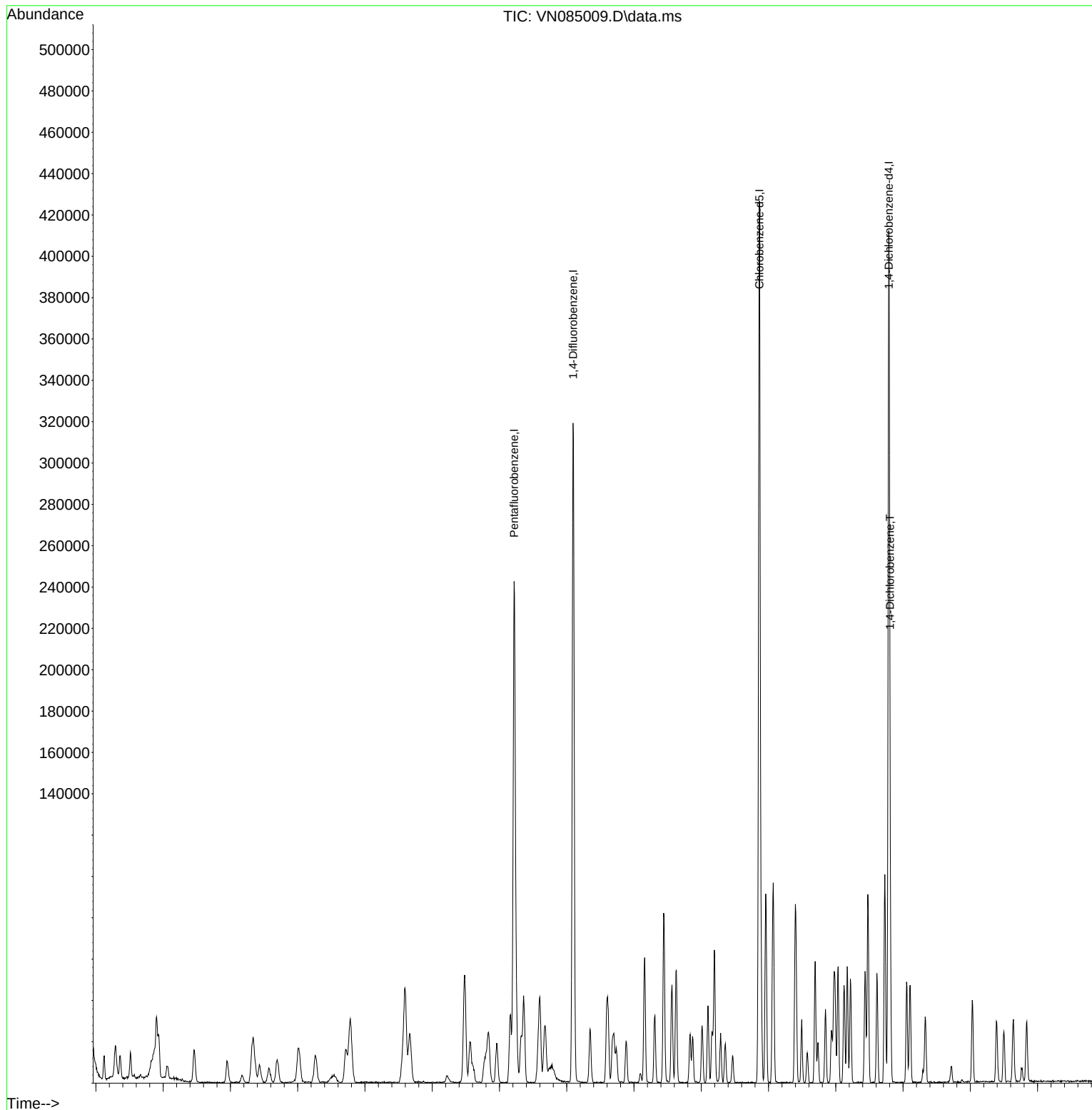
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Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

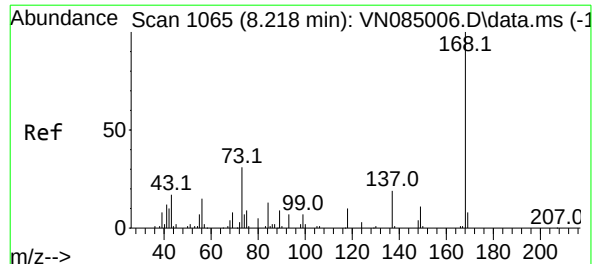
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





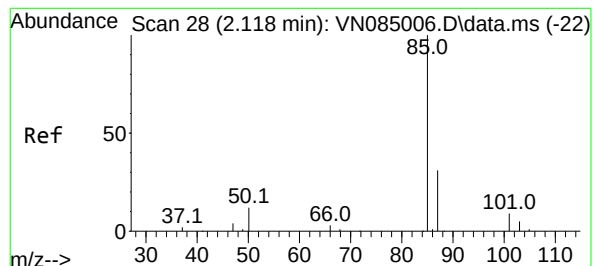
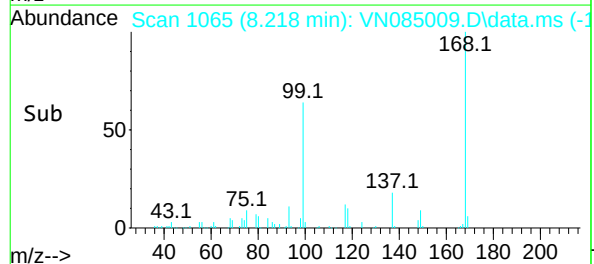
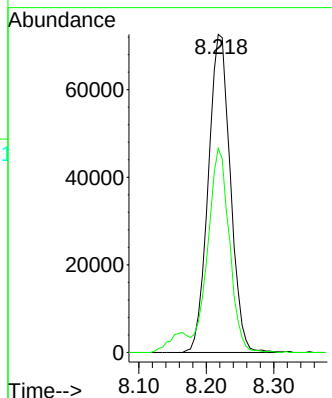
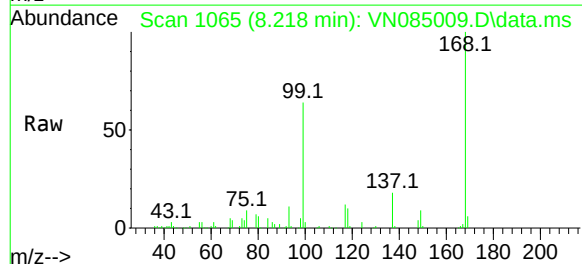
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:168 Resp: 165285
Ion Ratio Lower Upper
168 100
99 64.2 51.2 76.8

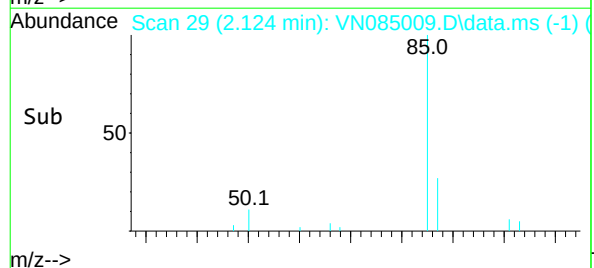
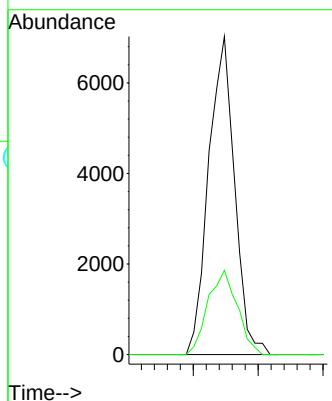
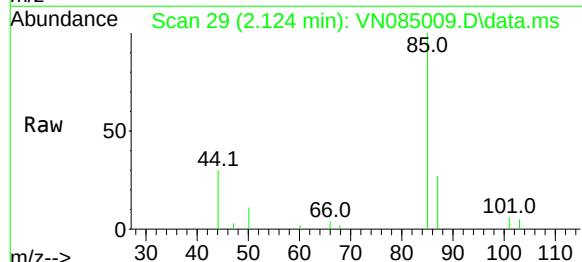
Manual Integrations
APPROVED

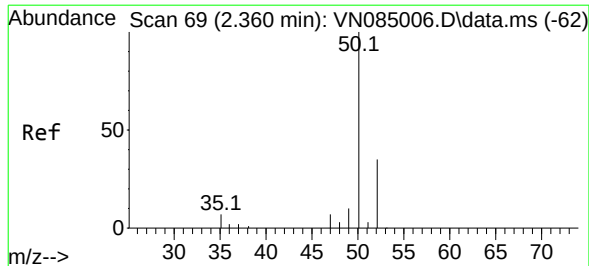
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 5.221 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

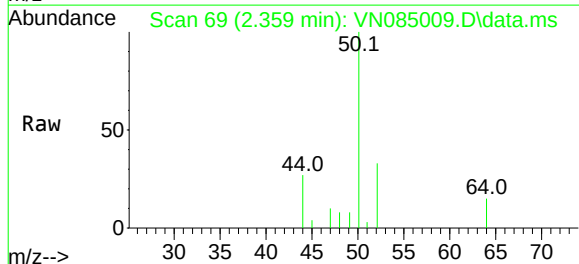
Tgt Ion: 85 Resp: 9758
Ion Ratio Lower Upper
85 100
87 26.5 15.7 47.1





#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

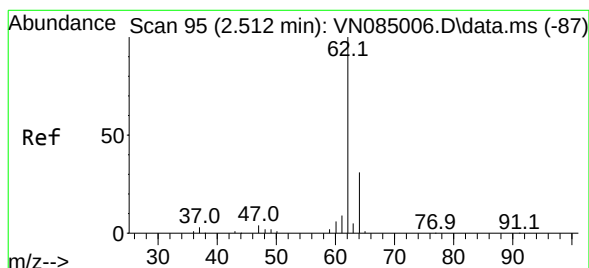
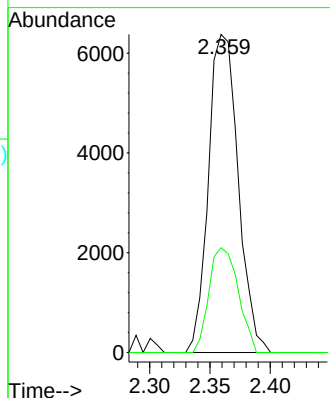
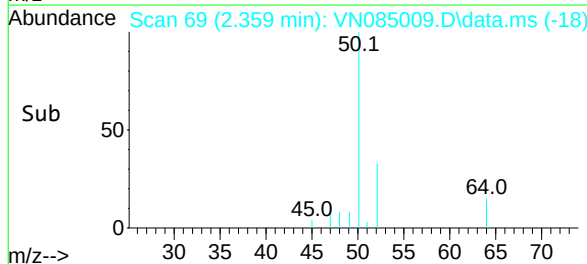
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 10967
Ion Ratio Lower Upper
50 100
52 33.0 27.8 41.8

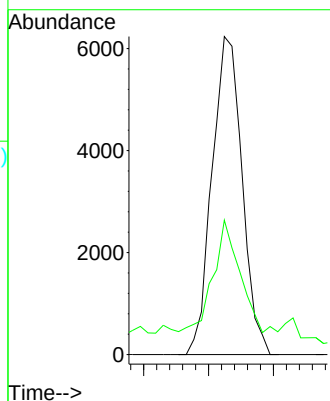
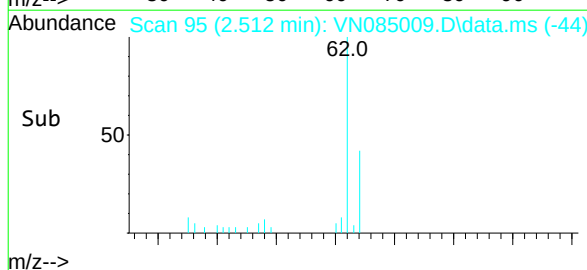
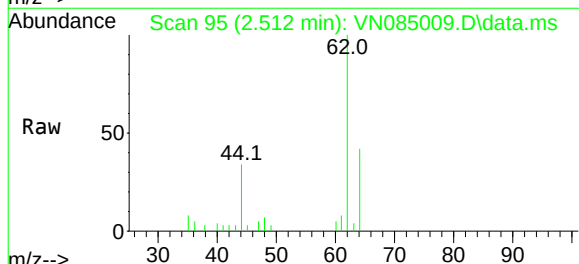
Manual Integrations
APPROVED

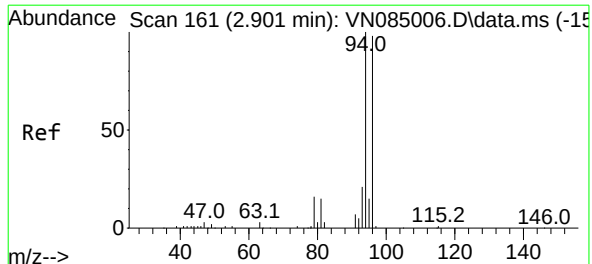
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043
Ion Ratio Lower Upper
62 100
64 35.1 24.6 36.8





#5

Bromomethane

Concen: 5.543 ug/l

RT: 2.900 min Scan# 161

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 94 Resp: 6052

Ion Ratio Lower Upper

94 100

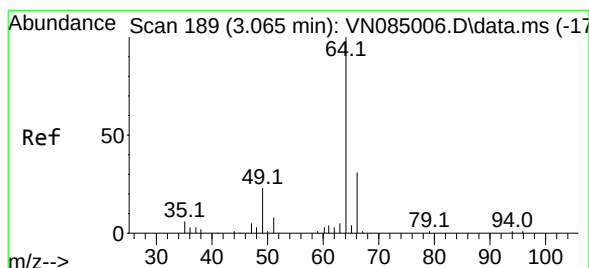
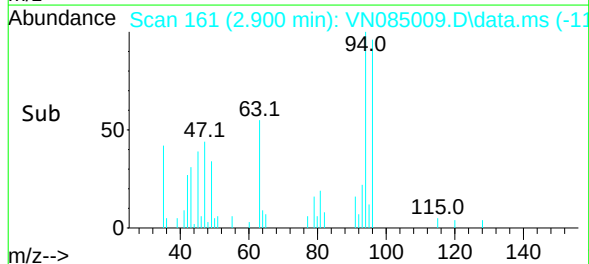
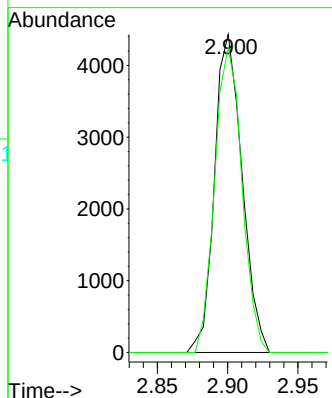
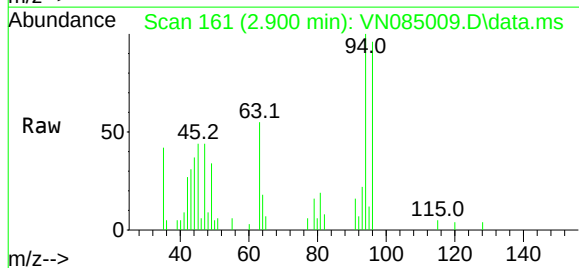
96 95.9 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 5.119 ug/l

RT: 3.059 min Scan# 188

Delta R.T. -0.006 min

Lab File: VN085009.D

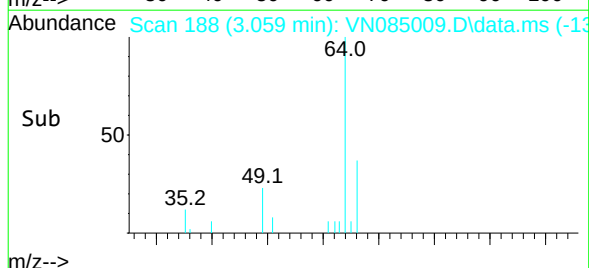
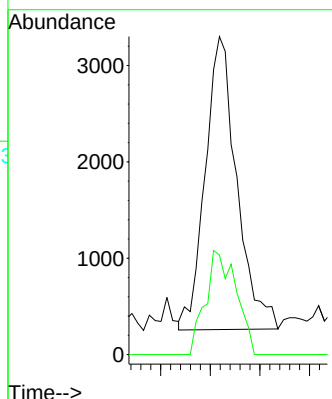
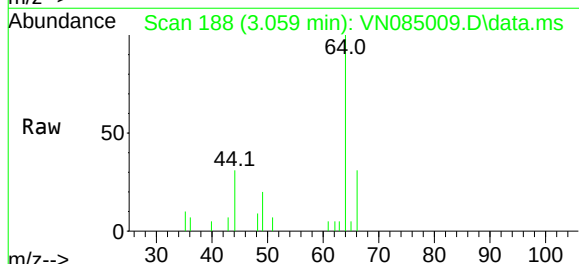
Acq: 22 Nov 2024 12:57

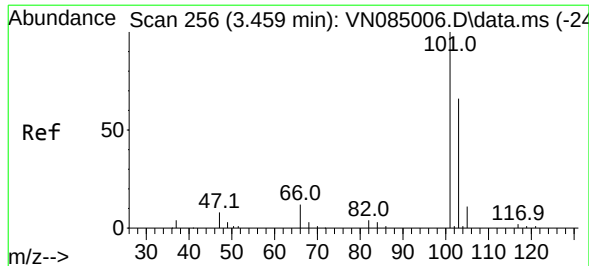
Tgt Ion: 64 Resp: 6721

Ion Ratio Lower Upper

64 100

66 34.1 24.4 36.6





#7

Trichlorofluoromethane

Concen: 5.192 ug/l

RT: 3.465 min Scan# 256

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:101 Resp: 17204

Ion Ratio Lower Upper

101 100

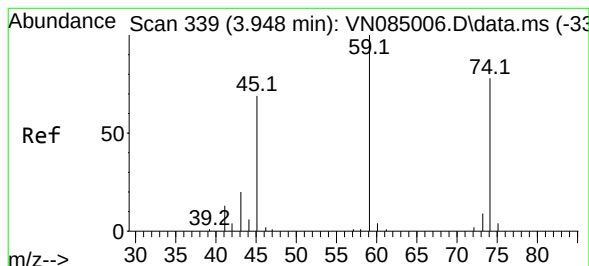
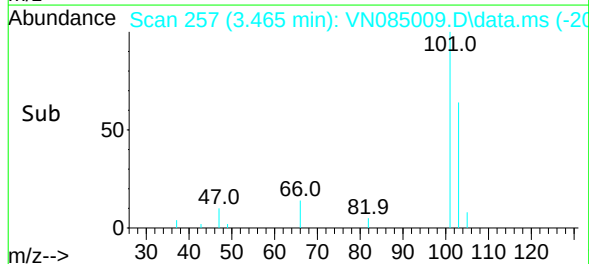
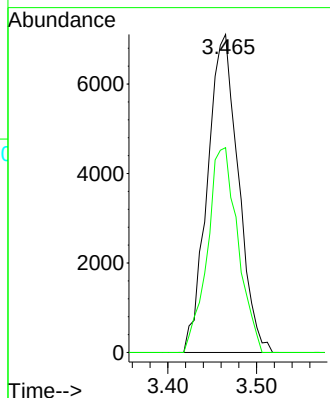
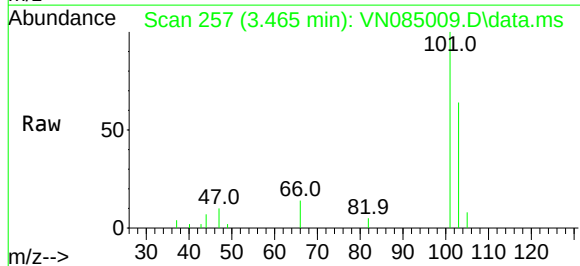
103 64.4 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#8

Diethyl Ether

Concen: 5.050 ug/l

RT: 3.947 min Scan# 339

Delta R.T. -0.000 min

Lab File: VN085009.D

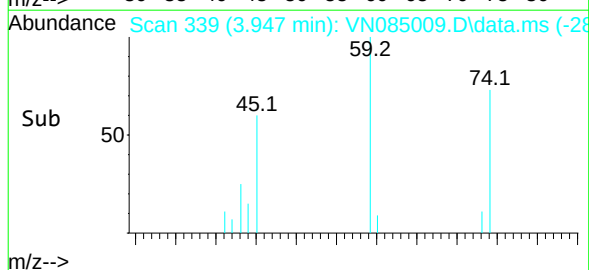
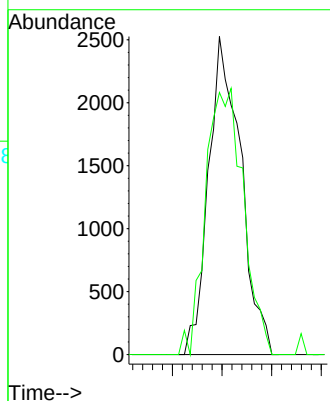
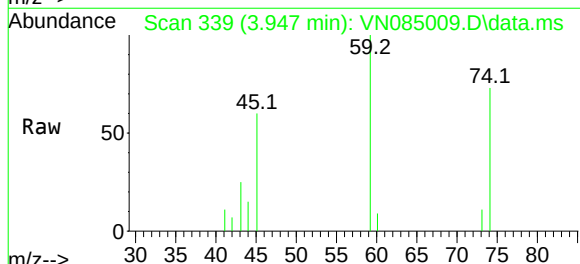
Acq: 22 Nov 2024 12:57

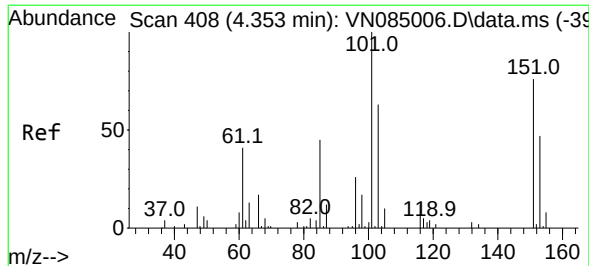
Tgt Ion: 74 Resp: 5696

Ion Ratio Lower Upper

74 100

45 97.8 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.064 ug/l

RT: 4.353 min Scan# 408

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

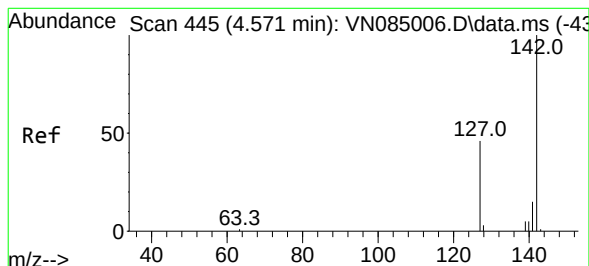
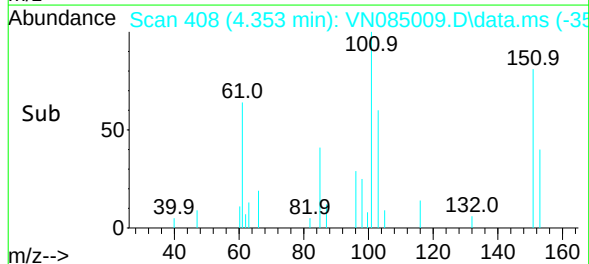
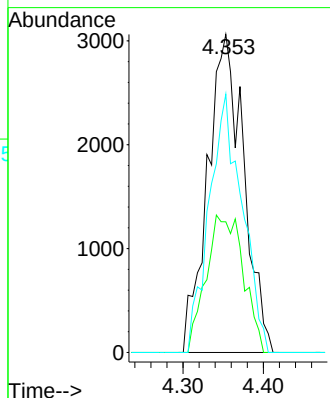
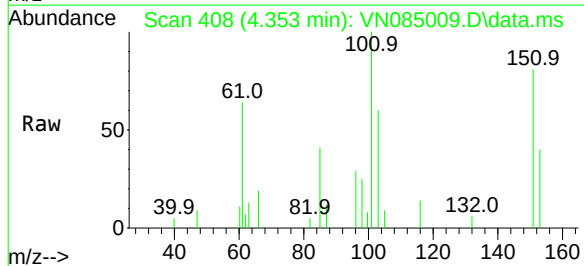
VSTDIC005

Tgt	Ion:101	Resp:	9518
Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.9	55.3
151	74.5	60.8	91.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10

Methyl Iodide

Concen: 5.077 ug/l

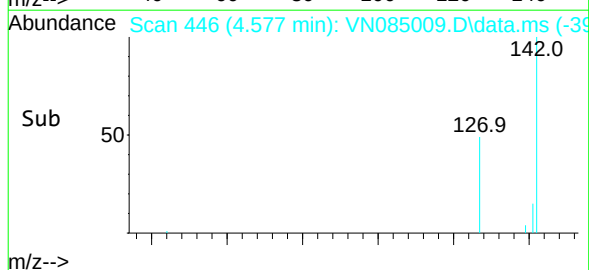
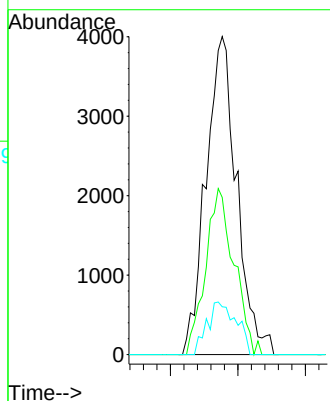
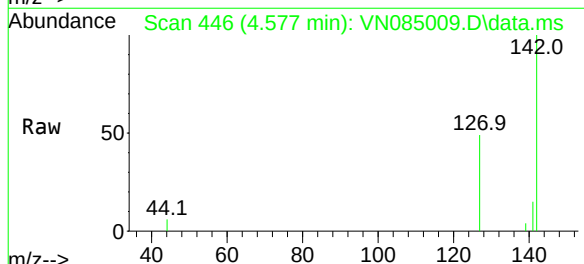
RT: 4.577 min Scan# 446

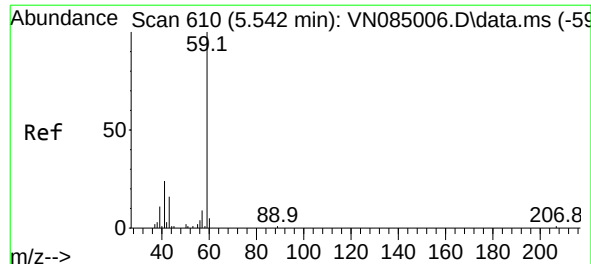
Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt	Ion:142	Resp:	12631
Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	54.8
141	15.0	12.2	18.4





#11

Tert butyl alcohol

Concen: 30.780 ug/l

RT: 5.541 min Scan# 610

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 9684

Ion Ratio Lower Upper

59 100

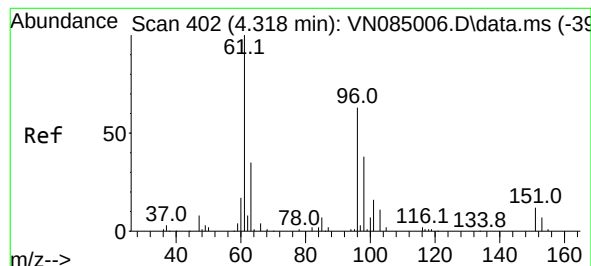
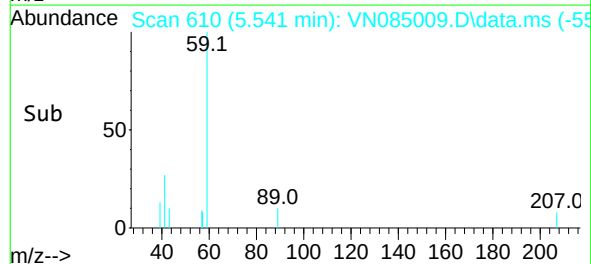
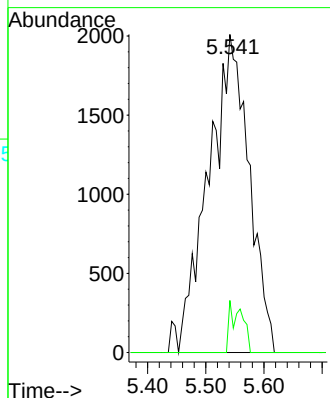
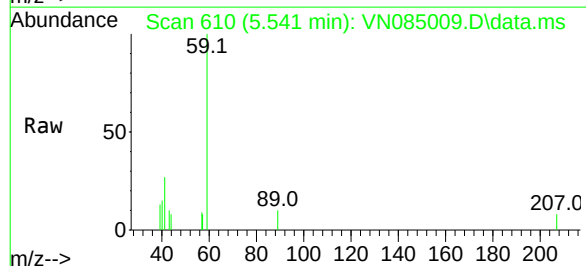
57 5.0 7.4 11.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 5.117 ug/l

RT: 4.318 min Scan# 402

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

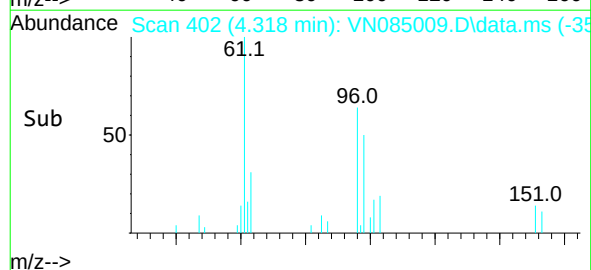
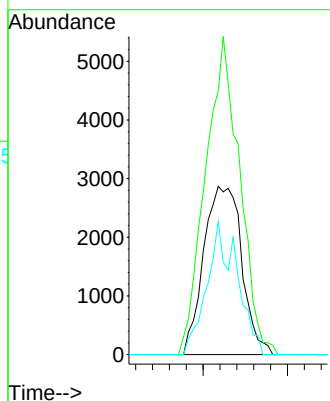
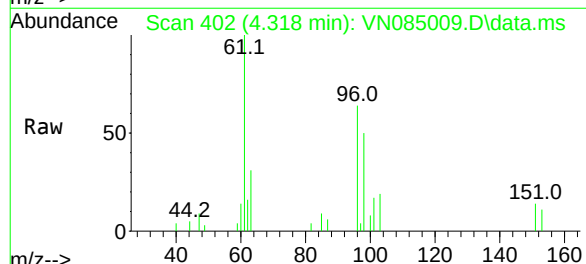
Tgt Ion: 96 Resp: 8977

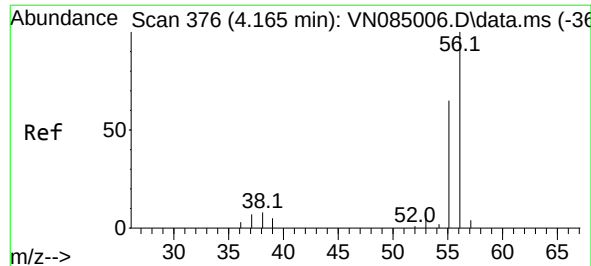
Ion Ratio Lower Upper

96 100

61 156.7 127.8 191.8

98 79.1 49.2 73.8#





#13

Acrolein

Concen: 22.602 ug/l

RT: 4.177 min Scan# 376

Delta R.T. 0.011 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 4745

Ion Ratio Lower Upper

56 100

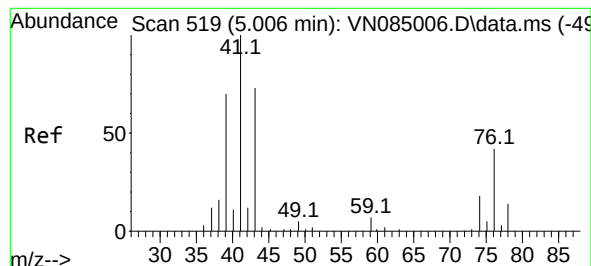
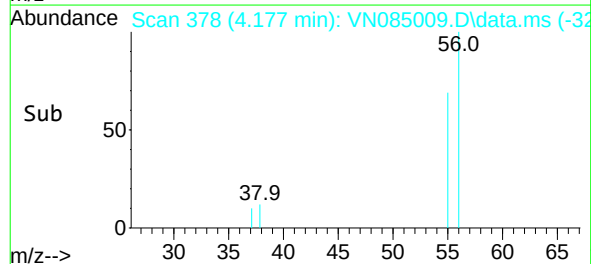
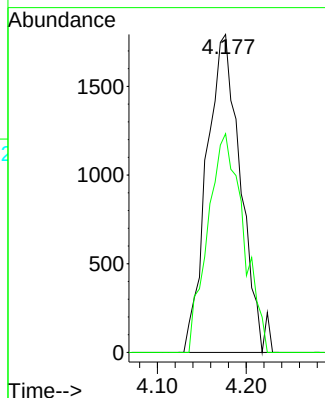
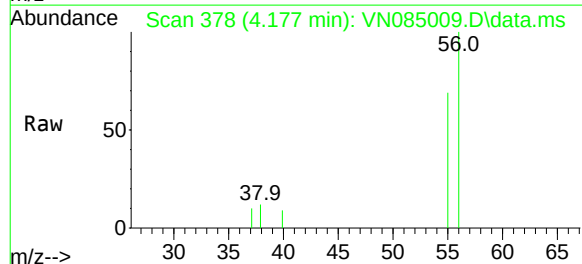
55 72.5 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 4.882 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

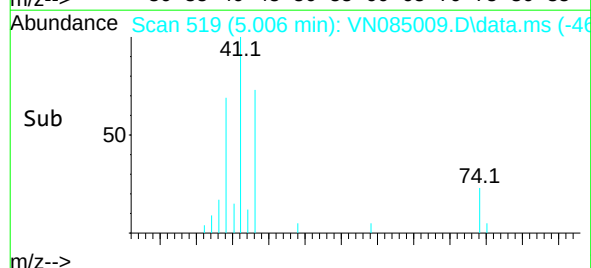
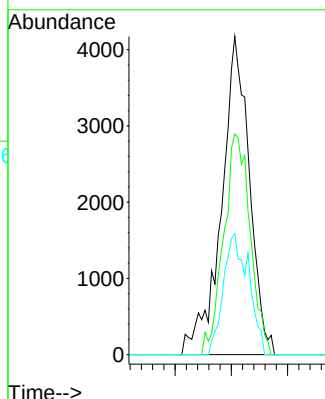
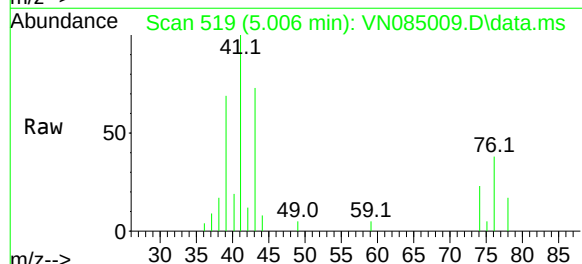
Tgt Ion: 41 Resp: 14439

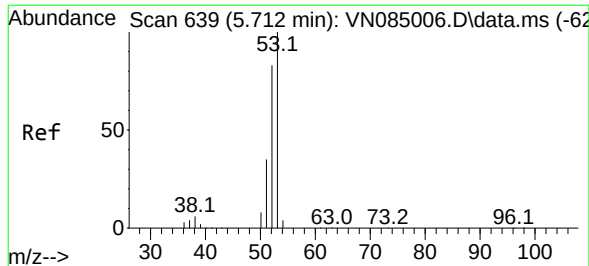
Ion Ratio Lower Upper

41 100

39 65.5 53.8 80.8

76 34.3 29.3 43.9





#15

Acrylonitrile

Concen: 25.403 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

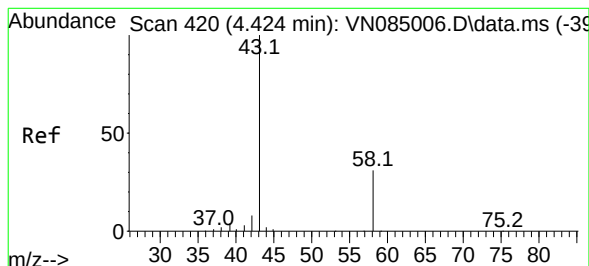
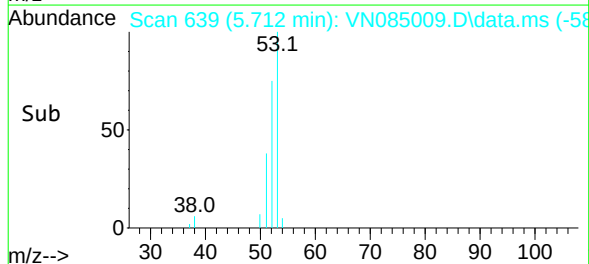
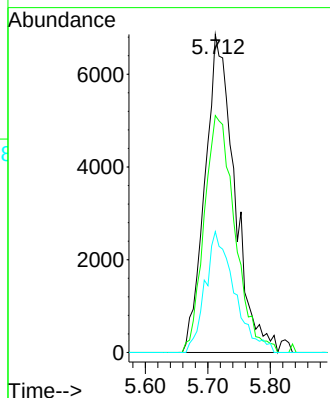
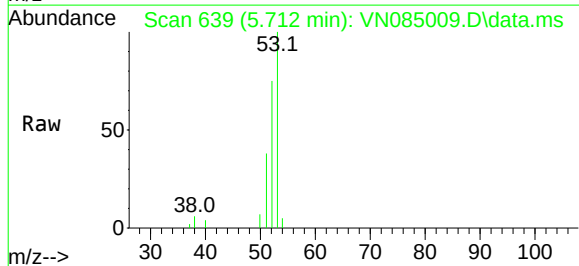
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	22627
Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 23.525 ug/l

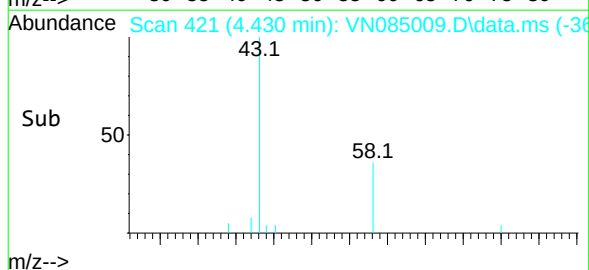
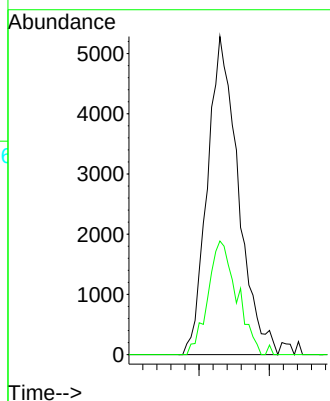
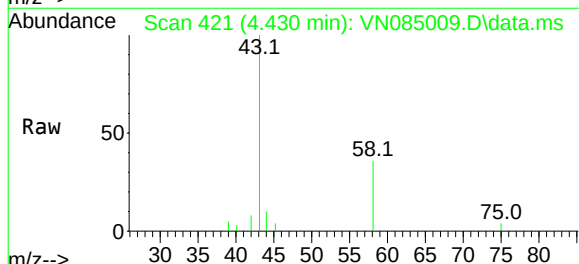
RT: 4.430 min Scan# 421

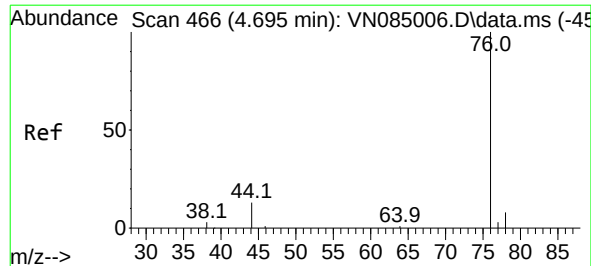
Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	43	Resp:	16131
Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2





#17

Carbon Disulfide

Concen: 5.074 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 26272

Ion Ratio Lower Upper

76 100

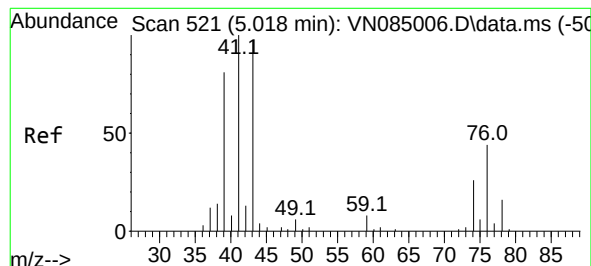
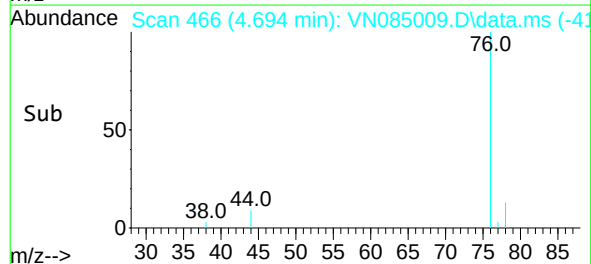
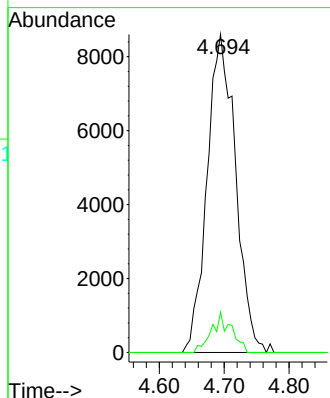
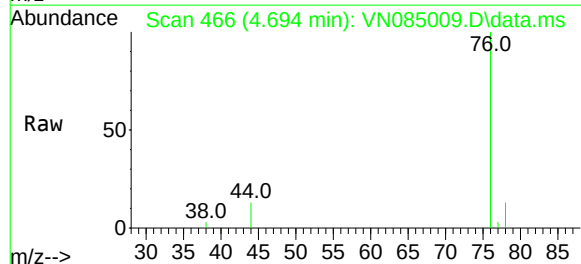
78 12.7 6.5 9.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 5.429 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085009.D

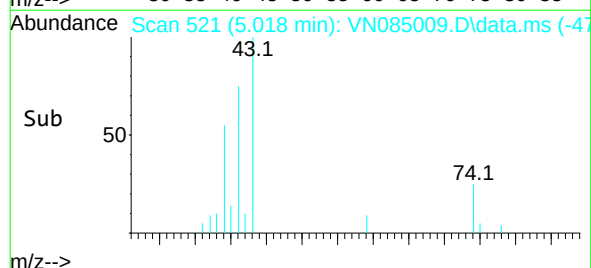
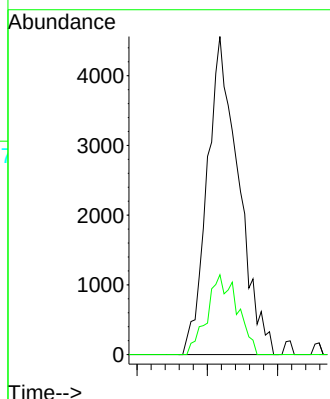
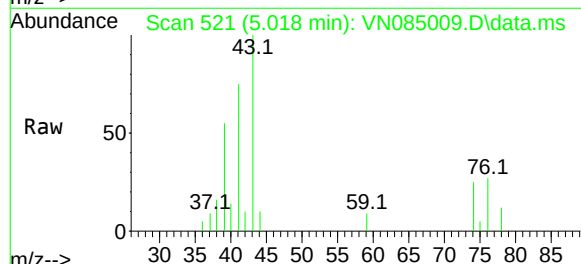
Acq: 22 Nov 2024 12:57

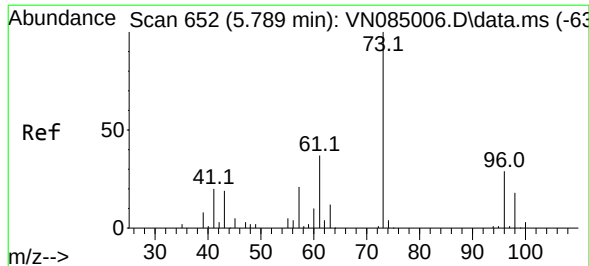
Tgt Ion: 43 Resp: 14139

Ion Ratio Lower Upper

43 100

74 24.2 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 4.829 ug/l

RT: 5.800 min Scan# 65

Delta R.T. 0.011 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 27679

Ion Ratio Lower Upper

73 100

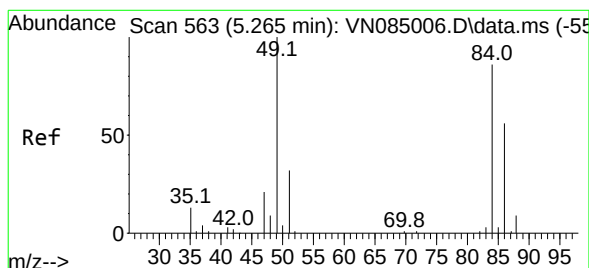
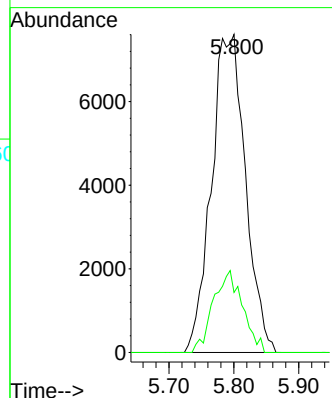
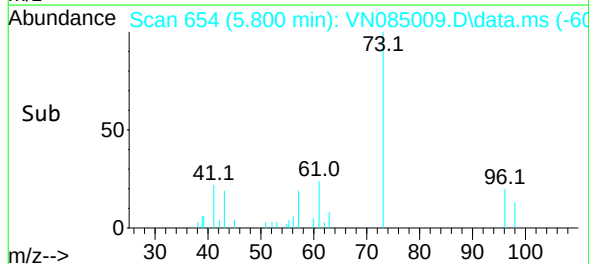
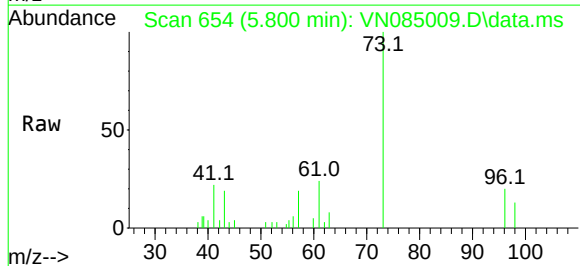
57 18.9 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 4.975 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410

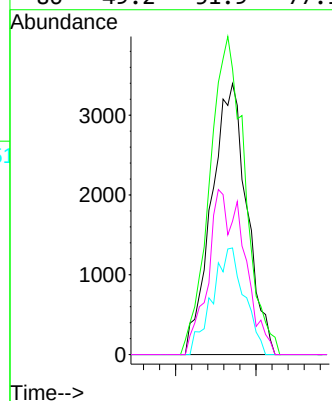
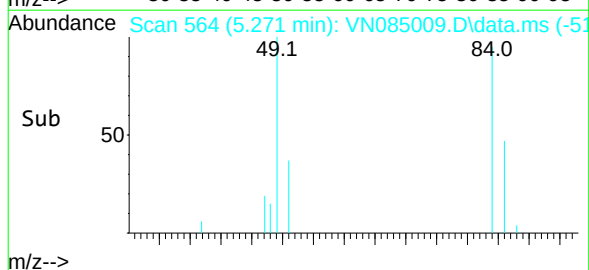
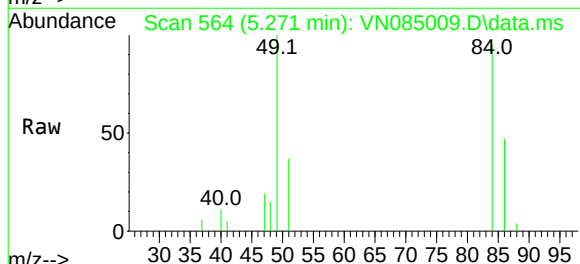
Ion Ratio Lower Upper

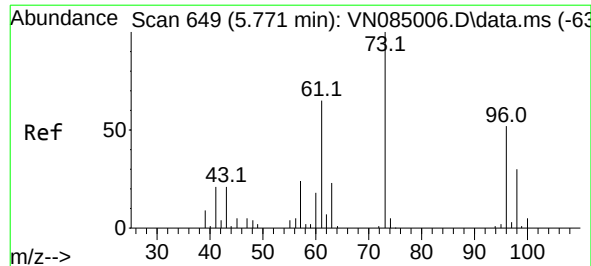
84 100

49 105.4 92.7 139.1

51 39.4 29.4 44.2

86 49.2 51.9 77.9#





#21

trans-1,2-Dichloroethene

Concen: 5.085 ug/l

RT: 5.765 min Scan# 64

Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 9388

Ion Ratio Lower Upper

96 100

61 127.5 100.7 151.1

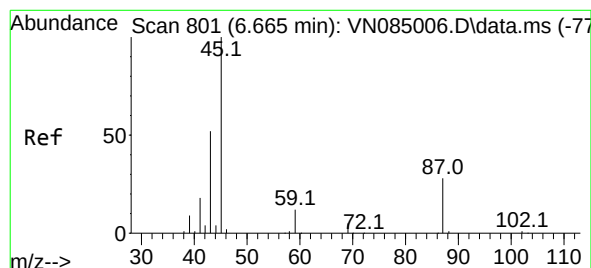
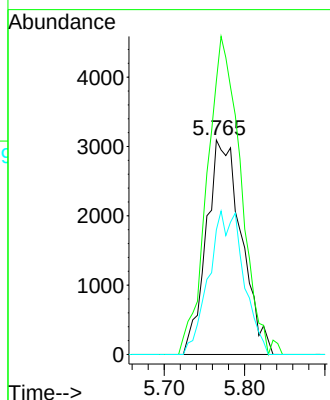
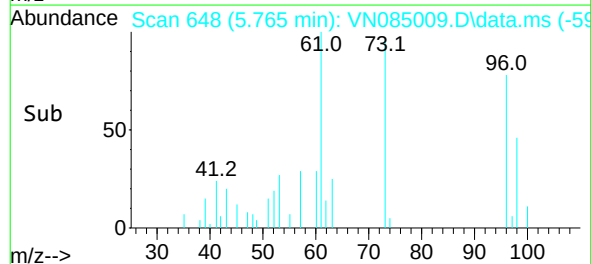
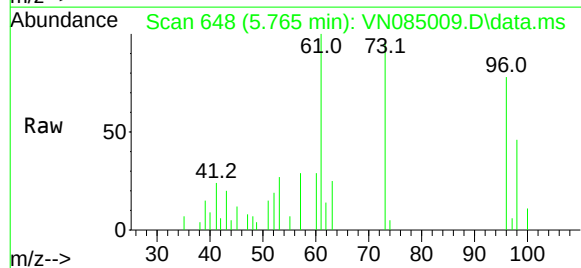
98 58.1 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 5.043 ug/l

RT: 6.659 min Scan# 800

Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018

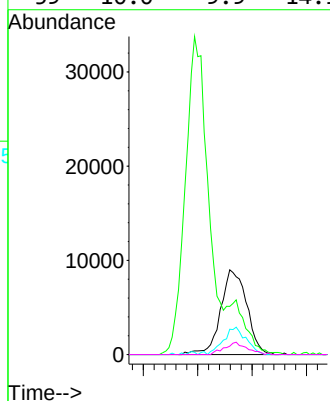
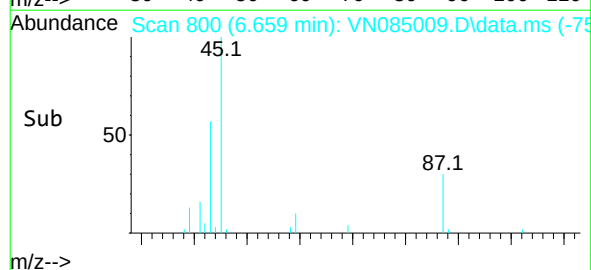
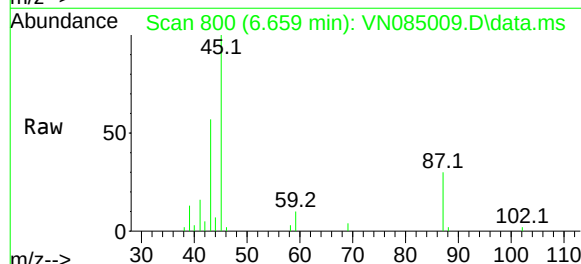
Ion Ratio Lower Upper

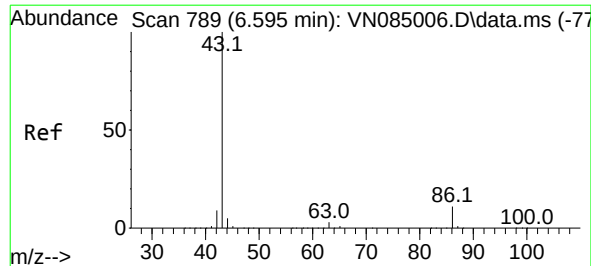
45 100

43 54.4 42.7 64.1

87 29.9 22.6 34.0

59 10.0 9.9 14.9





#23

Vinyl Acetate

Concen: 23.745 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 97507

Ion Ratio Lower Upper

43 100

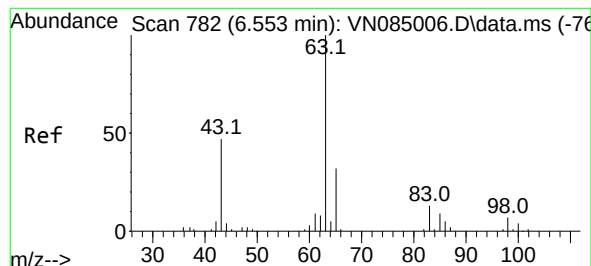
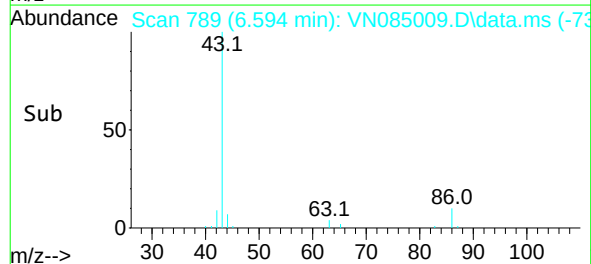
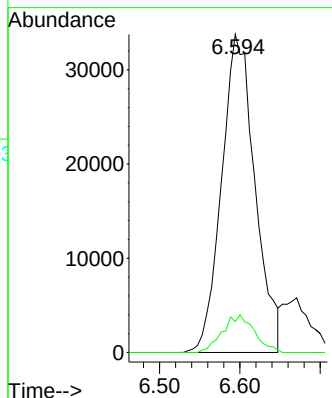
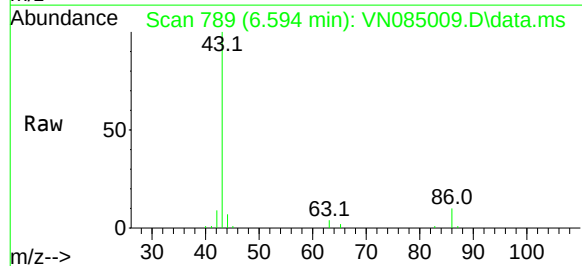
86 9.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 5.066 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

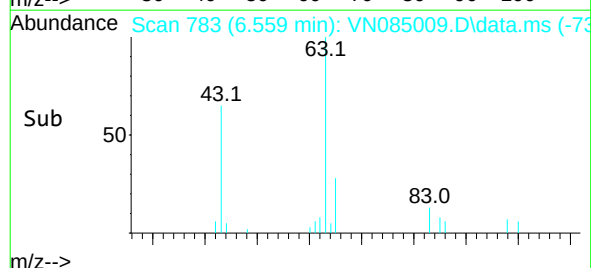
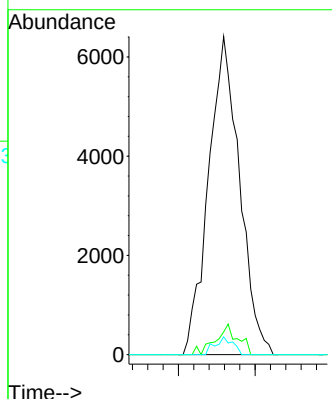
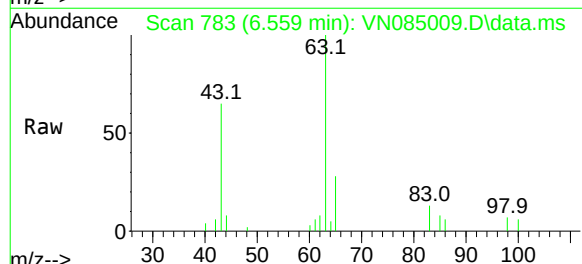
Tgt Ion: 63 Resp: 18044

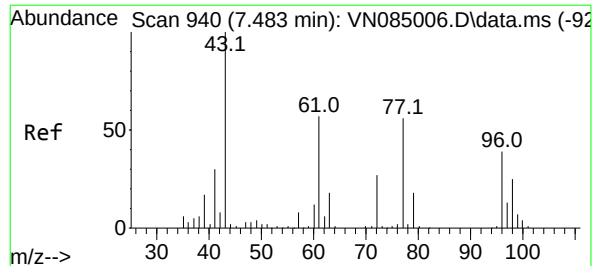
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

100 5.6 2.2 6.6





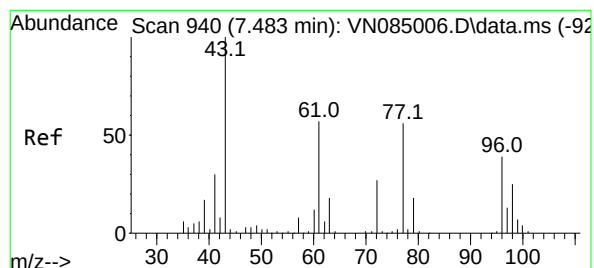
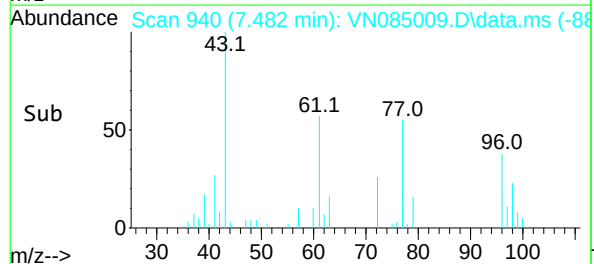
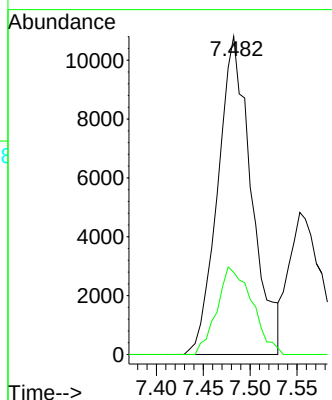
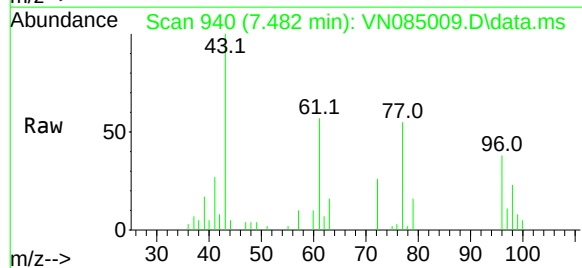
#25
2-Butanone
Concen: 24.174 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 27100
Ion Ratio Lower Upper
43 100
72 25.9 21.4 32.0

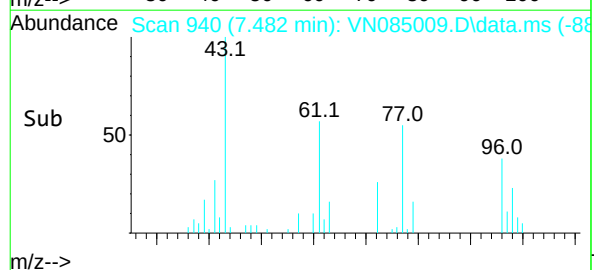
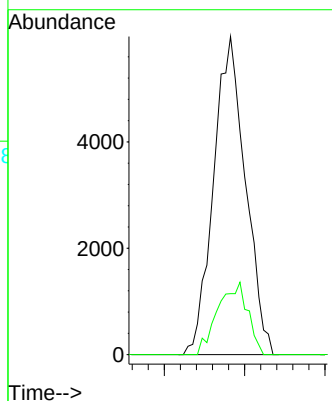
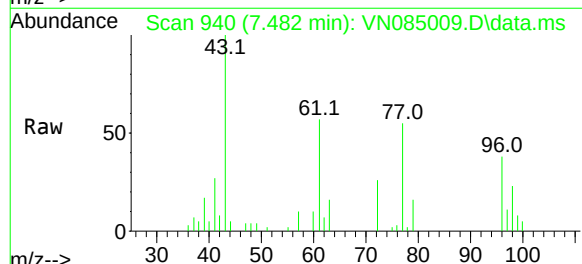
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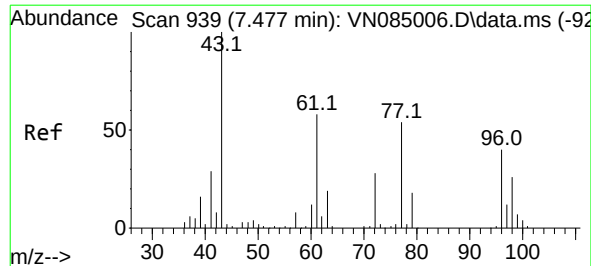
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#26
2,2-Dichloropropane
Concen: 4.968 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 77 Resp: 16525
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.7





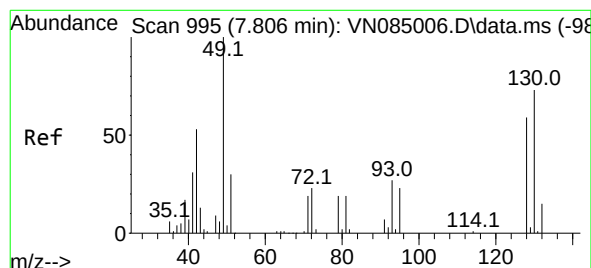
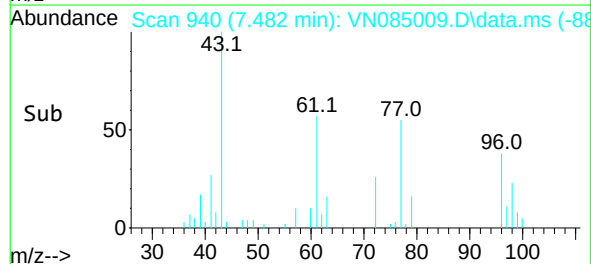
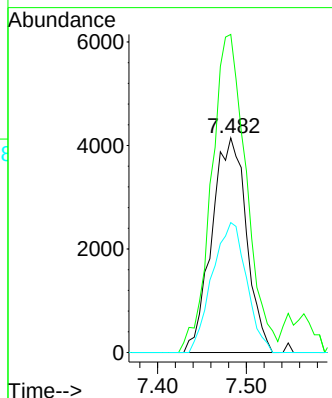
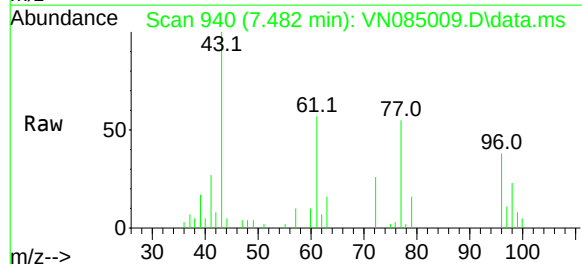
#27
 cis-1,2-Dichloroethene
 Concen: 5.055 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Tgt Ion: 96 Resp: 11250
 Ion Ratio Lower Upper
 96 100
 61 148.7 0.0 291.6
 98 59.8 0.0 129.8

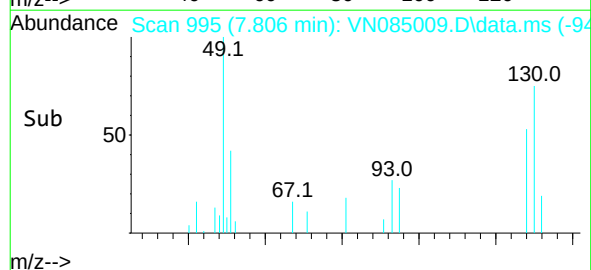
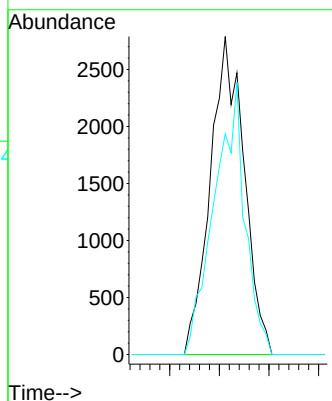
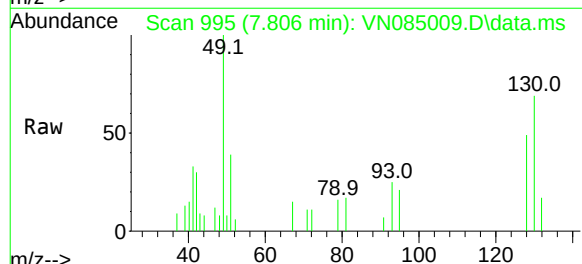
Manual Integrations
 APPROVED

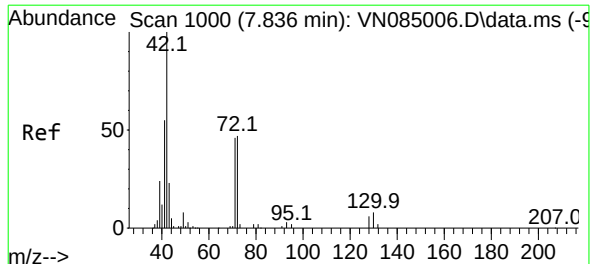
Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024



#28
 Bromochloromethane
 Concen: 4.903 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Tgt Ion: 49 Resp: 6592
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 77.4 60.6 90.8





#29

Tetrahydrofuran

Concen: 25.104 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 17501

Ion Ratio Lower Upper

42 100

72 47.1 37.0 55.4

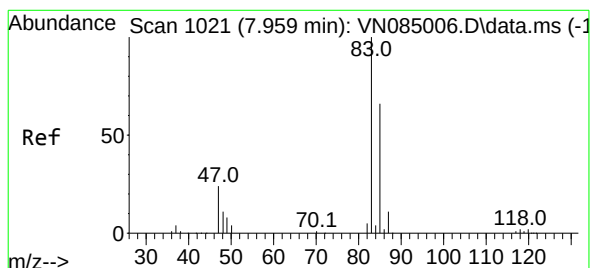
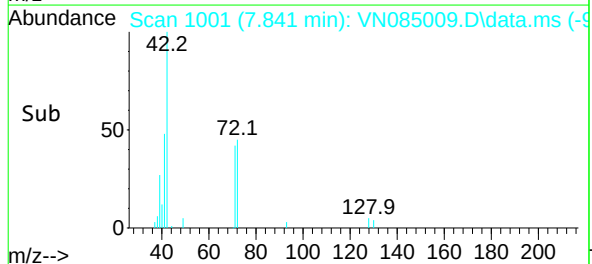
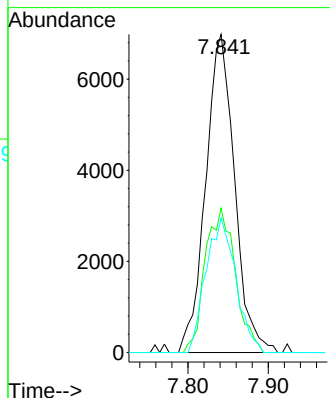
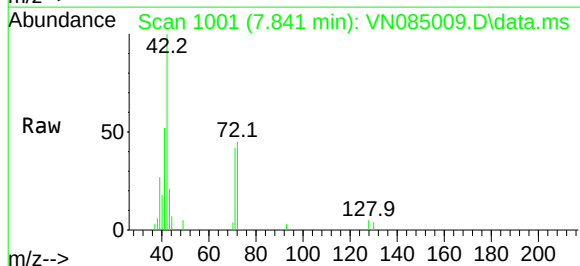
71 43.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 4.971 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085009.D

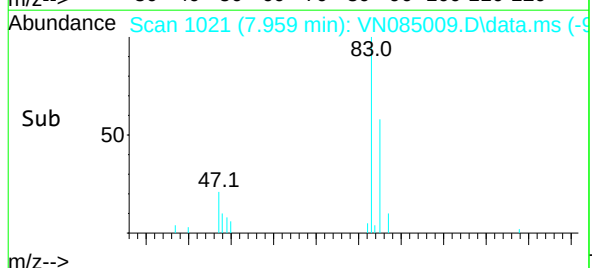
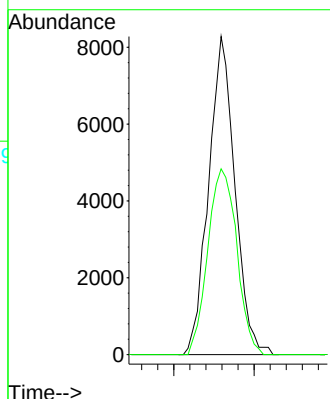
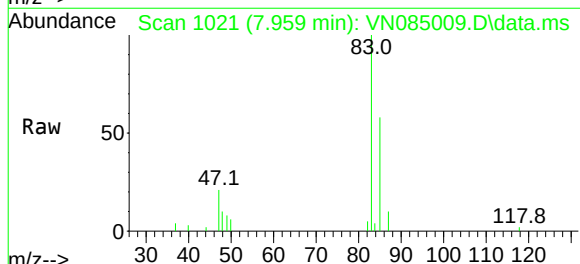
Acq: 22 Nov 2024 12:57

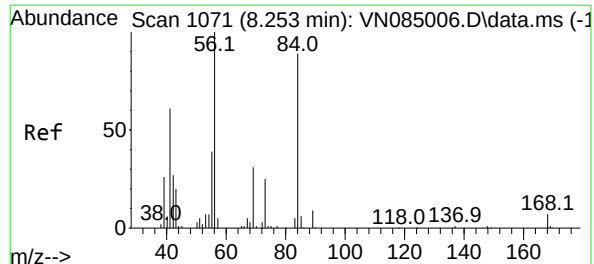
Tgt Ion: 83 Resp: 18837

Ion Ratio Lower Upper

83 100

85 58.4 52.6 78.8





#31

Cyclohexane

Concen: 5.751 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 18036

Ion Ratio Lower Upper

56 100

69 35.7 24.6 36.8

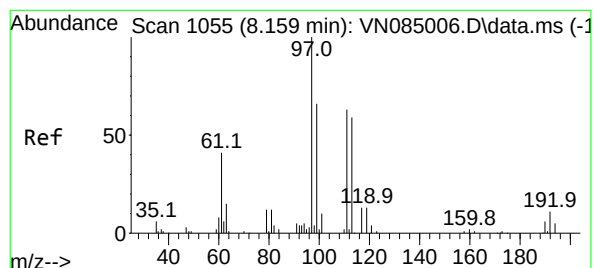
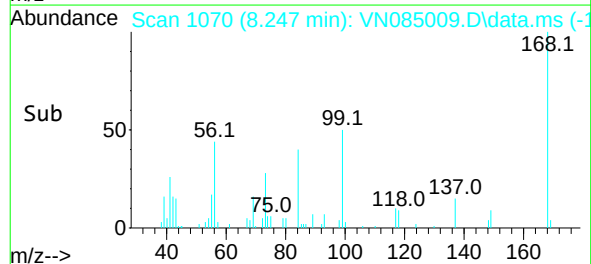
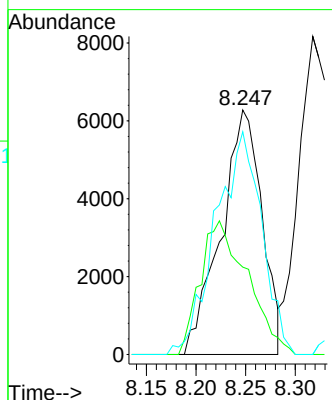
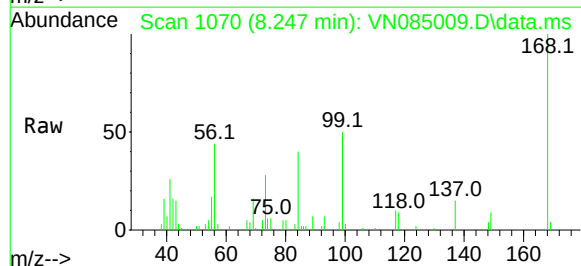
84 88.0 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 4.851 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

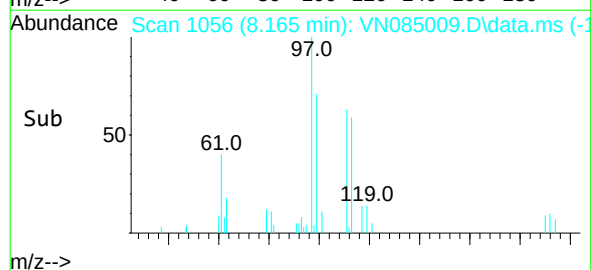
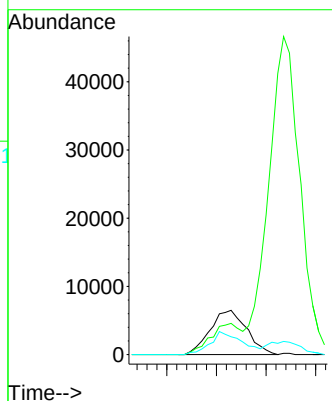
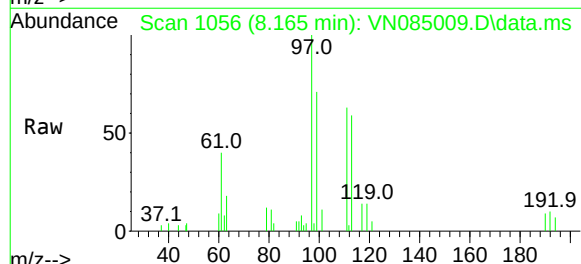
Tgt Ion: 97 Resp: 16611

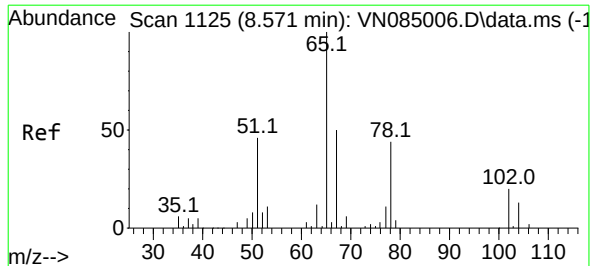
Ion Ratio Lower Upper

97 100

99 59.1 51.0 76.4

61 45.2 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 5.087 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 11977

Ion Ratio Lower Upper

65 100

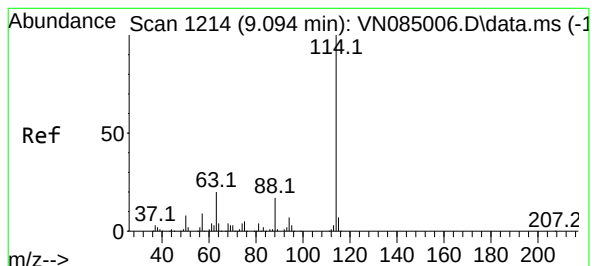
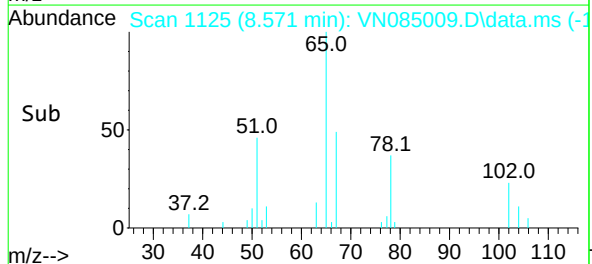
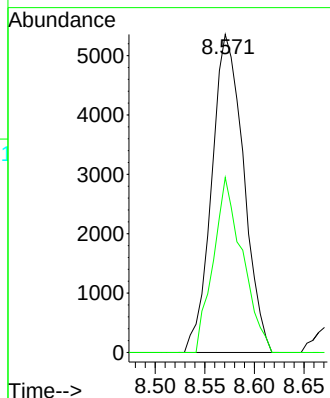
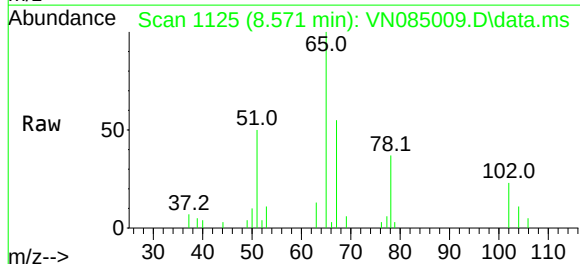
67 50.3 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

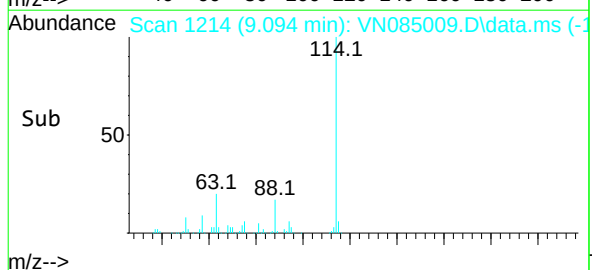
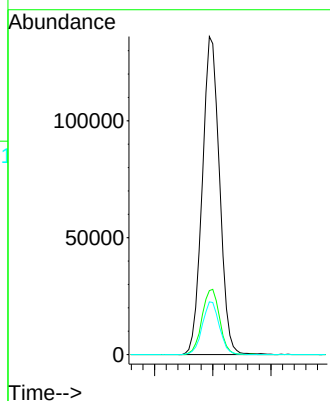
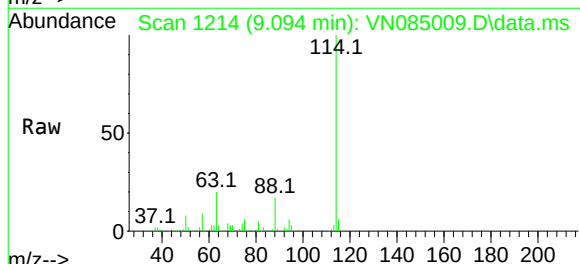
Tgt Ion:114 Resp: 280025

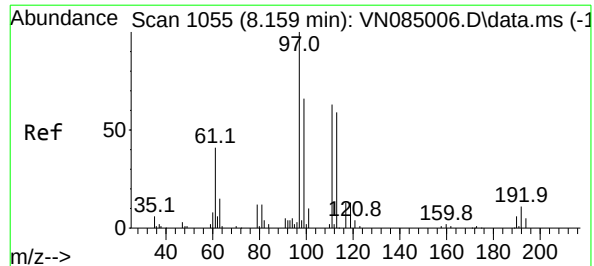
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.0

88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 5.082 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

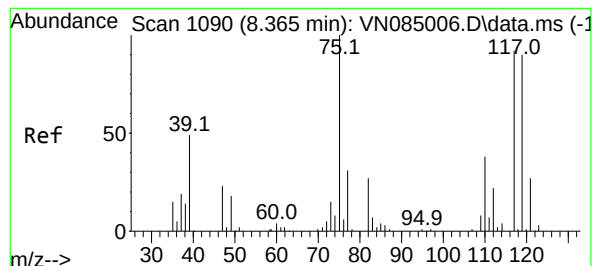
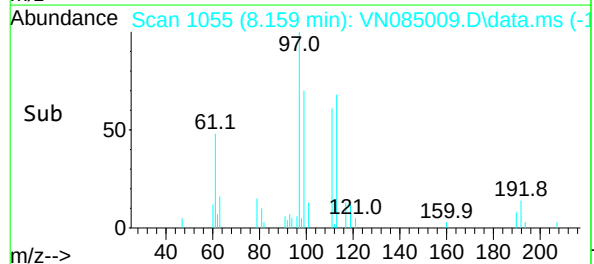
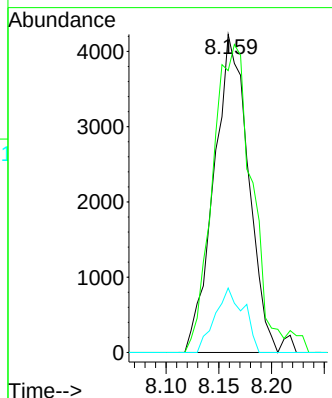
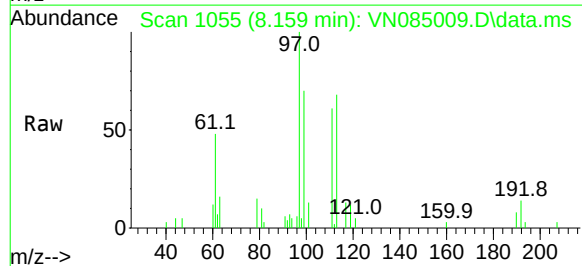
ClientSampleId :

VSTDIC005

Tgt Ion:	113	Resp:	9597
Ion	Ratio	Lower	Upper
113	100		
111	109.7	82.0	123.0
192	17.0	14.8	22.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 5.140 ug/l

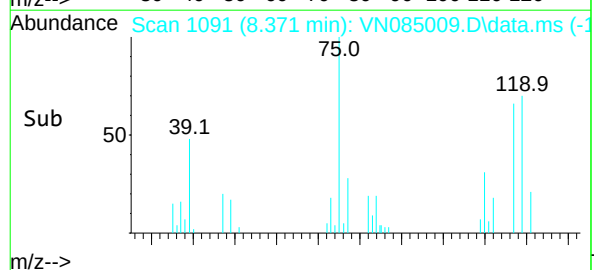
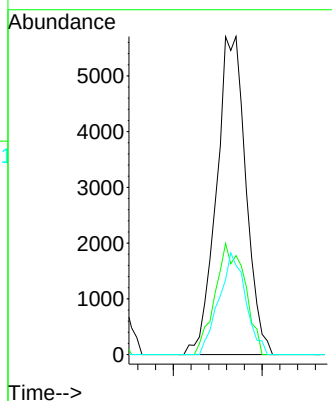
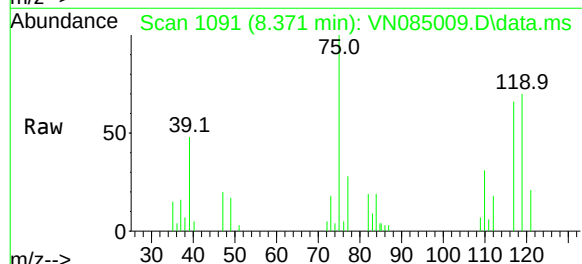
RT: 8.371 min Scan# 1091

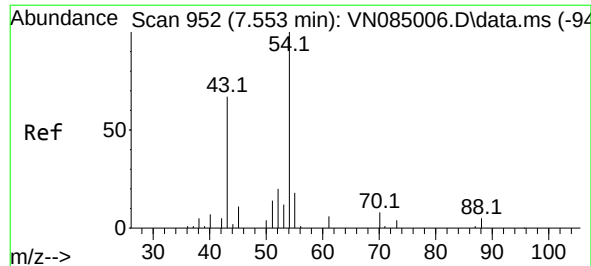
Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	75	Resp:	13147
Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.6
77	28.9	24.2	36.4





#37

Ethyl Acetate

Concen: 5.114 ug/l

RT: 7.553 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

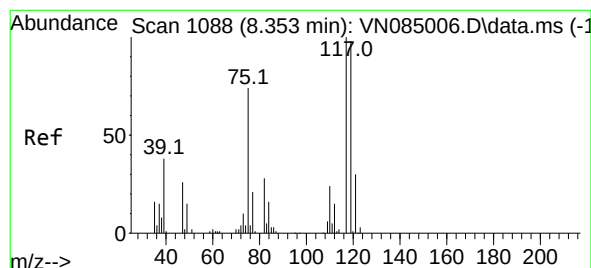
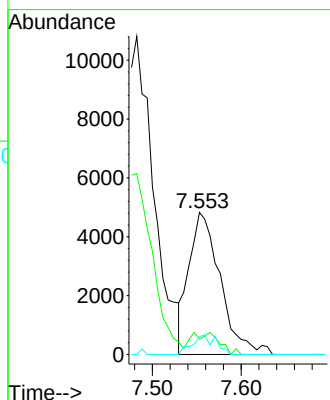
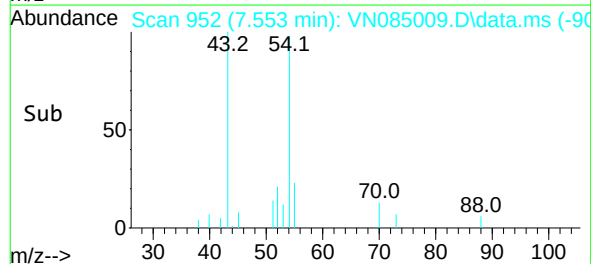
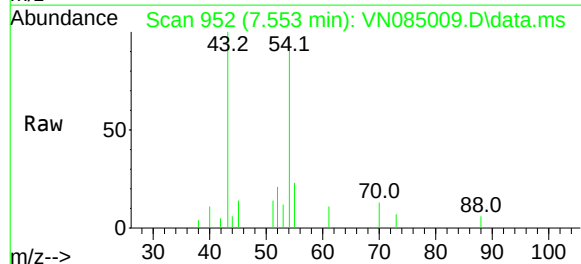
Tgt Ion:	43	Resp:	11891
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5
70	10.4	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 5.022 ug/l

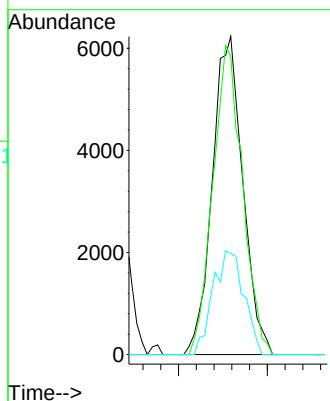
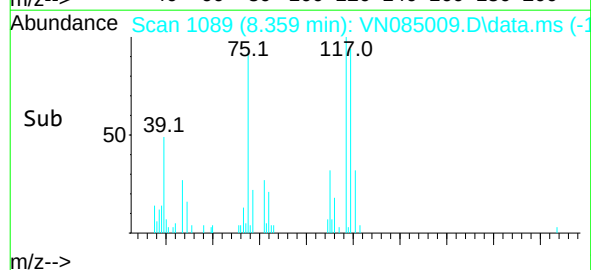
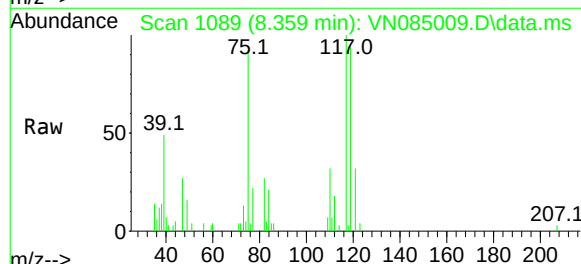
RT: 8.359 min Scan# 1089

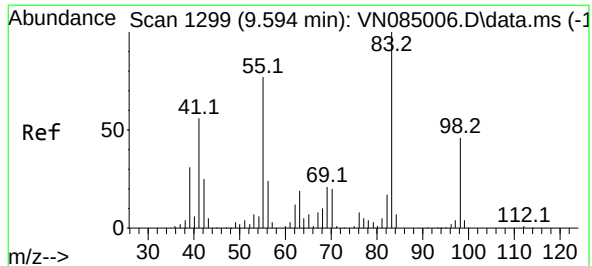
Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	117	Resp:	14827
Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.6	117.8
121	31.8	24.2	36.2





#39

Methylcyclohexane

Concen: 4.945 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 13143

Ion Ratio Lower Upper

83 100

55 72.1 61.8 92.6

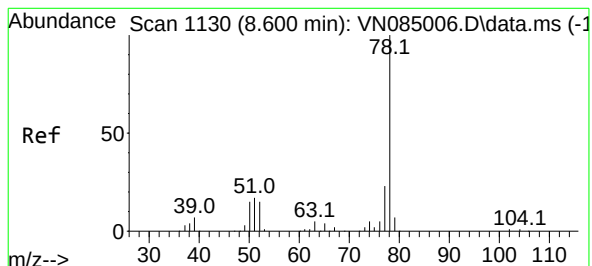
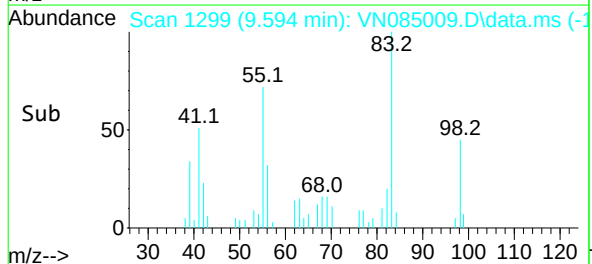
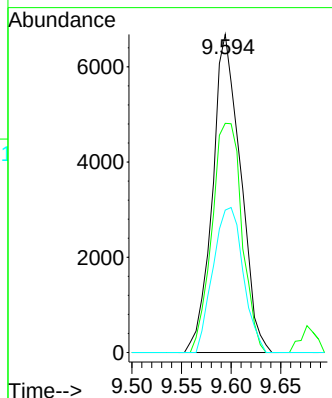
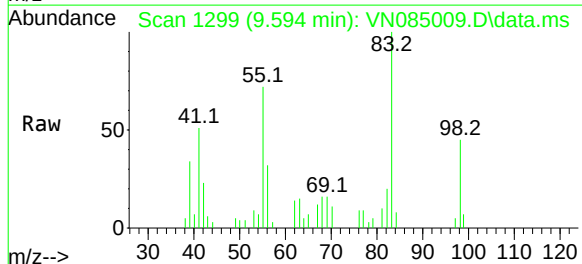
98 44.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 5.026 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085009.D

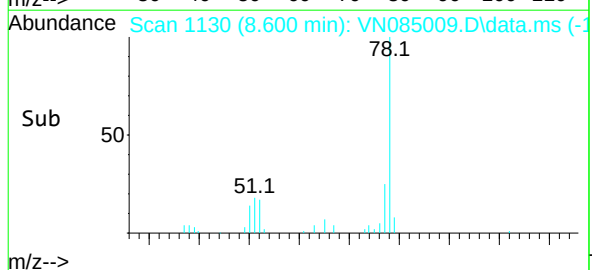
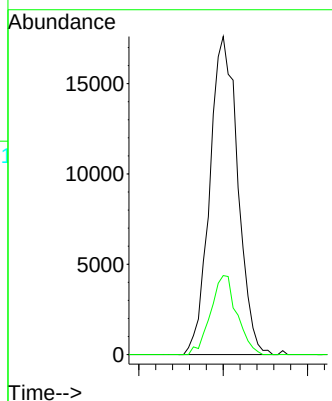
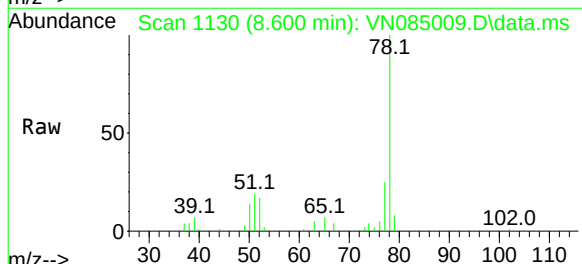
Acq: 22 Nov 2024 12:57

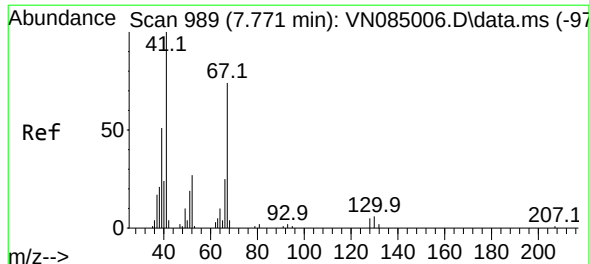
Tgt Ion: 78 Resp: 40657

Ion Ratio Lower Upper

78 100

77 24.8 18.5 27.7





#41

Methacrylonitrile

Concen: 4.417 ug/l

RT: 7.782 min Scan# 99

Delta R.T. 0.011 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

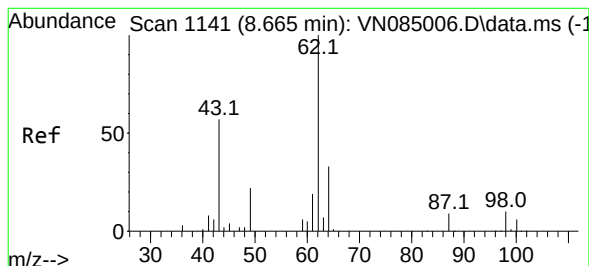
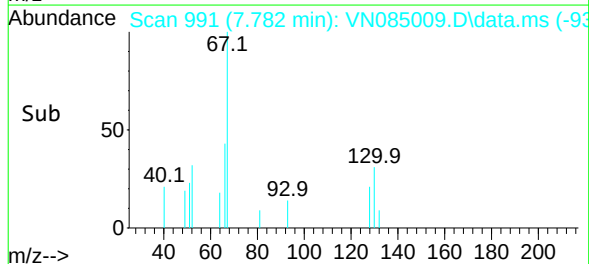
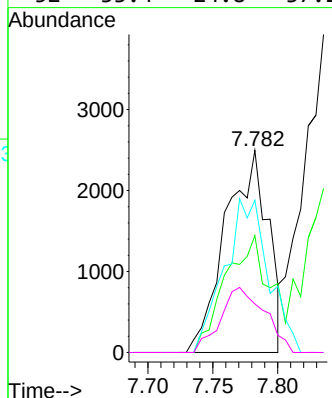
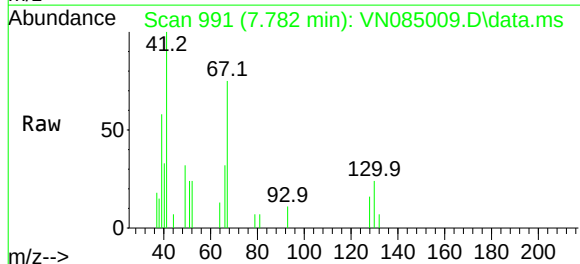
ClientSampleId :

VSTDIC005

Tgt Ion: 41	Resp: 5687
Ion Ratio	Lower Upper
41 100	
39 60.9	42.6 63.8
67 78.7	59.9 89.9
52 33.4	24.8 37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 5.356 ug/l

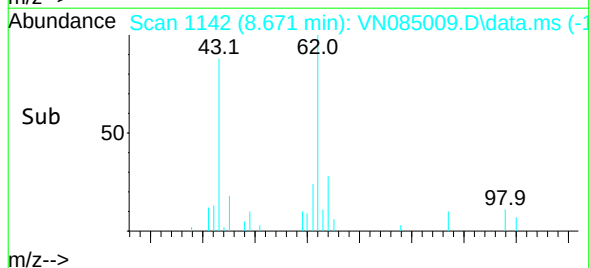
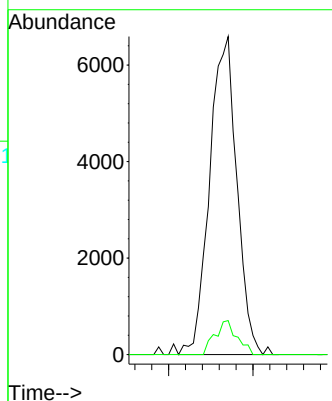
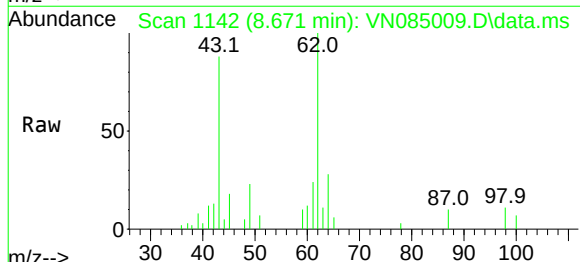
RT: 8.671 min Scan# 1142

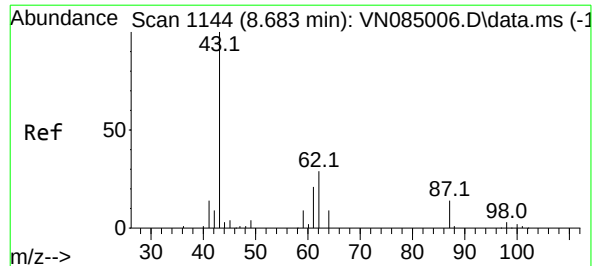
Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion: 62	Resp: 14824
Ion Ratio	Lower Upper
62 100	
98 8.6	0.0 18.2





#43

Isopropyl Acetate

Concen: 4.947 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

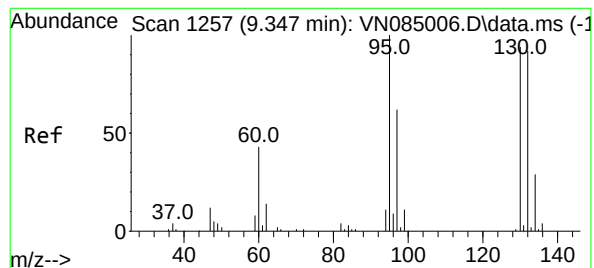
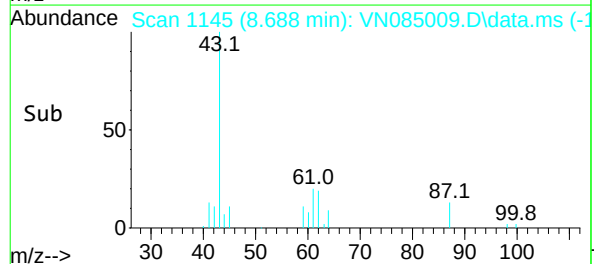
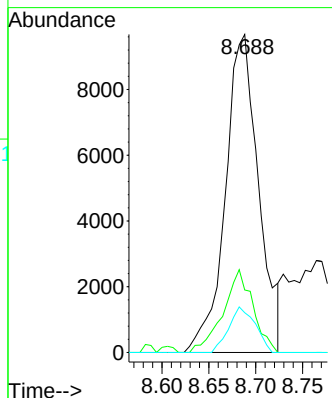
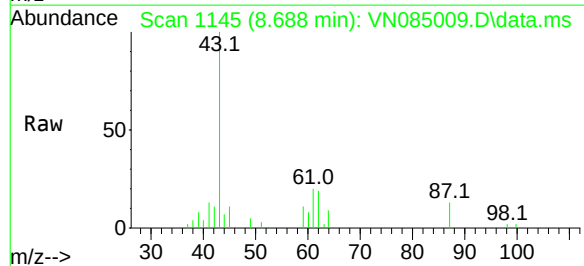
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	23894
Ion	Ratio	Lower	Upper
43	100		
61	23.4	20.6	30.8
87	11.4	11.0	16.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 5.165 ug/l

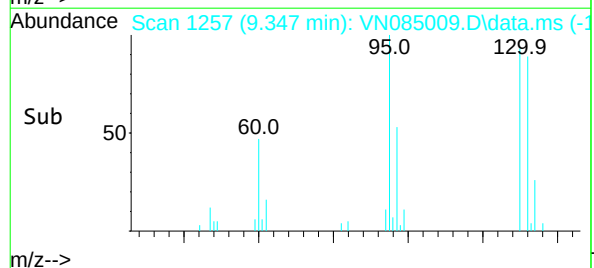
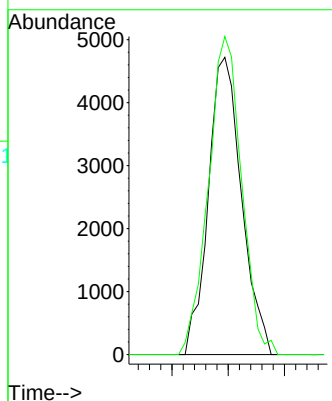
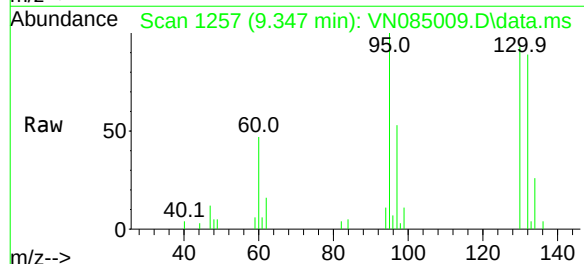
RT: 9.347 min Scan# 1257

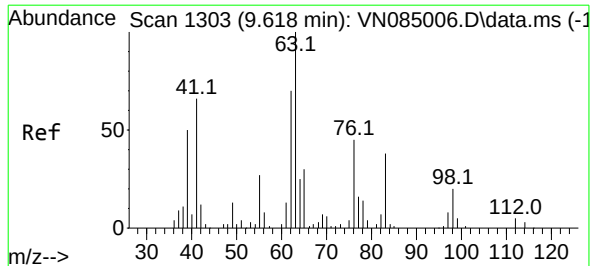
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	130	Resp:	9711
Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	213.4





#45

1,2-Dichloropropane

Concen: 4.948 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 9859

Ion Ratio Lower Upper

63 100

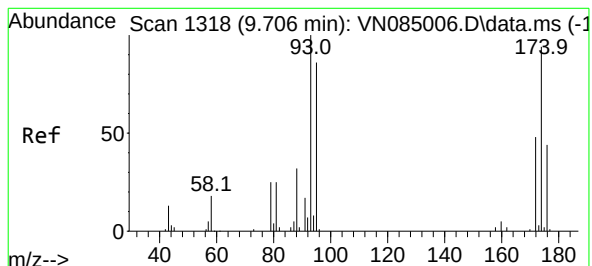
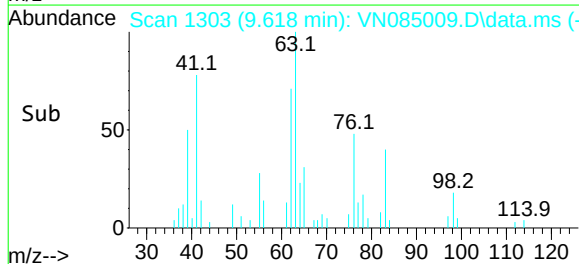
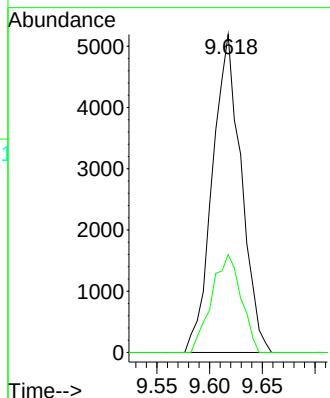
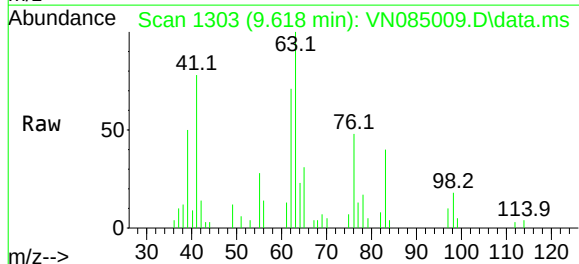
65 30.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 5.028 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

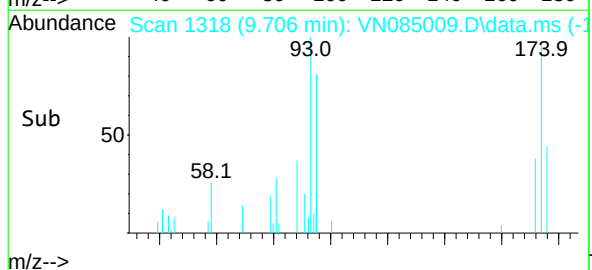
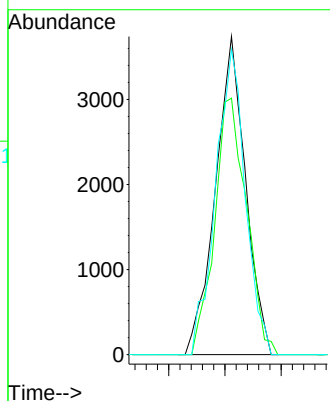
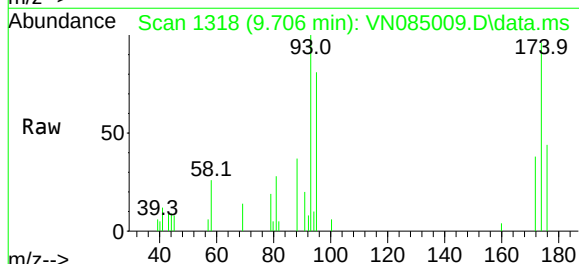
Tgt Ion: 93 Resp: 6962

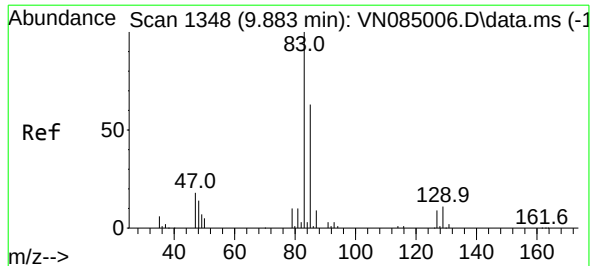
Ion Ratio Lower Upper

93 100

95 85.5 66.2 99.4

174 94.3 74.9 112.3





#47

Bromodichloromethane

Concen: 4.962 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 14562

Ion Ratio Lower Upper

83 100

85 66.2 50.5 75.7

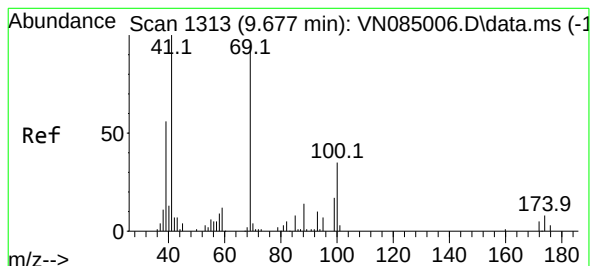
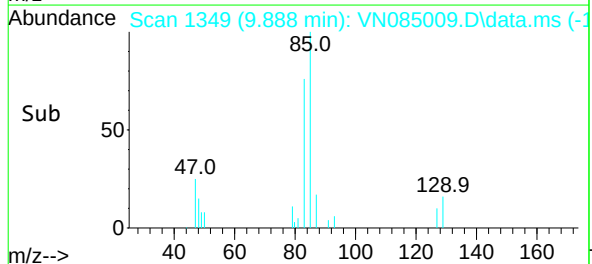
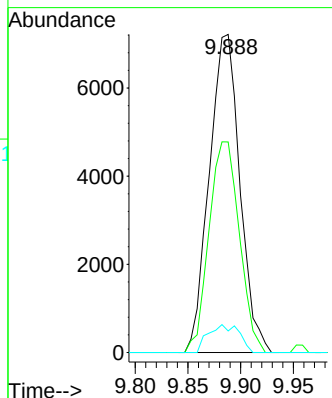
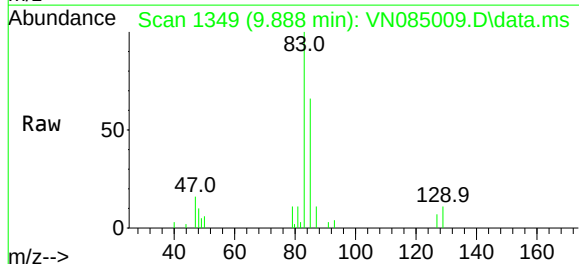
127 6.8 7.1 10.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 4.918 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

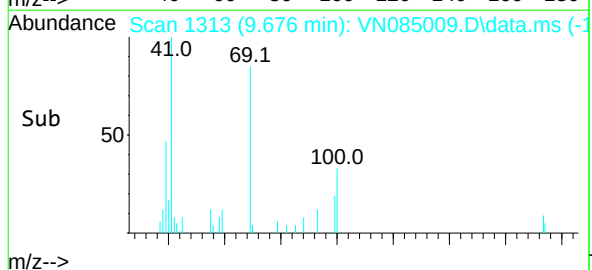
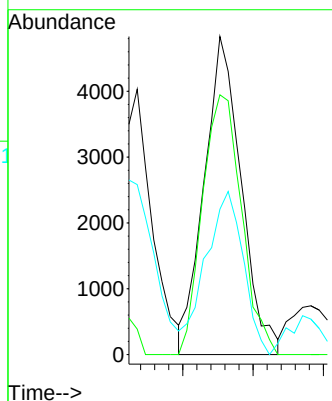
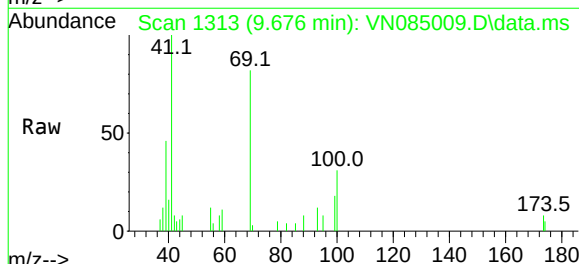
Tgt Ion: 41 Resp: 8840

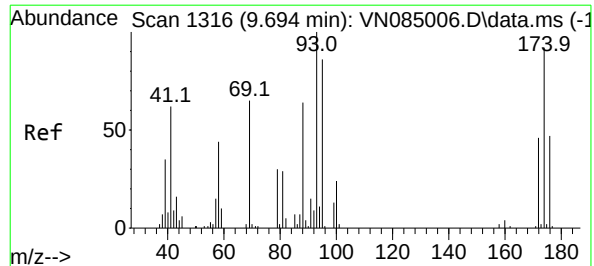
Ion Ratio Lower Upper

41 100

69 86.1 73.2 109.8

39 52.3 46.2 69.4





#49

1,4-Dioxane

Concen: 94.738 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 2953

Ion Ratio Lower Upper

88 100

43 35.6 16.7 25.1

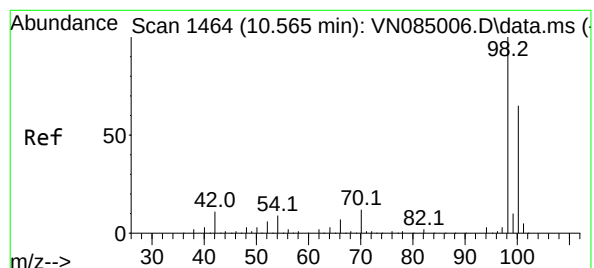
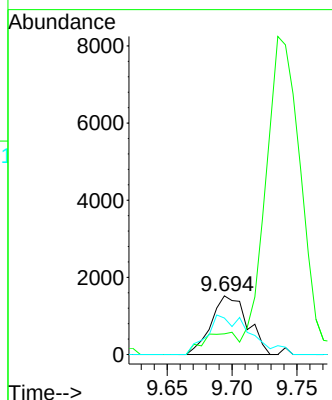
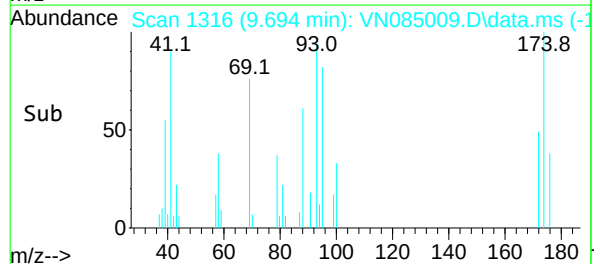
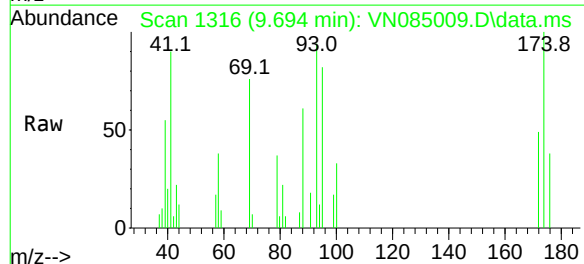
58 80.8 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 4.775 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085009.D

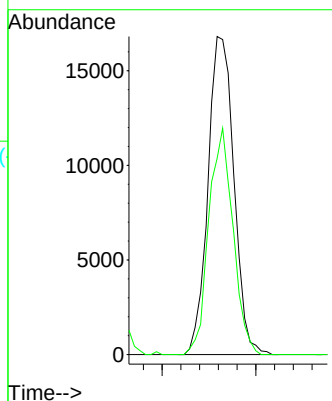
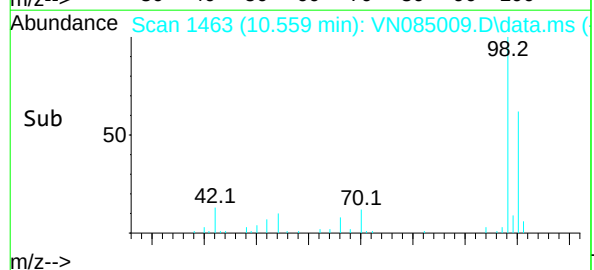
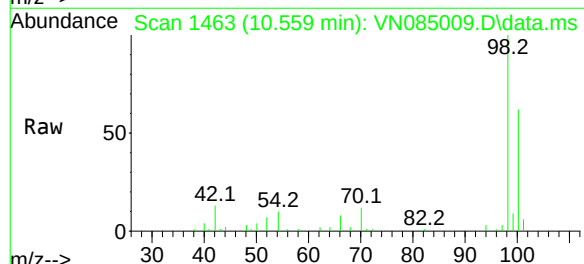
Acq: 22 Nov 2024 12:57

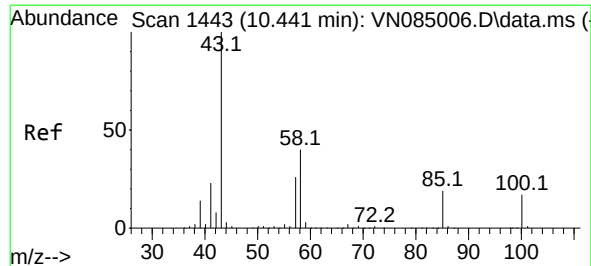
Tgt Ion: 98 Resp: 32318

Ion Ratio Lower Upper

98 100

100 66.6 52.5 78.7





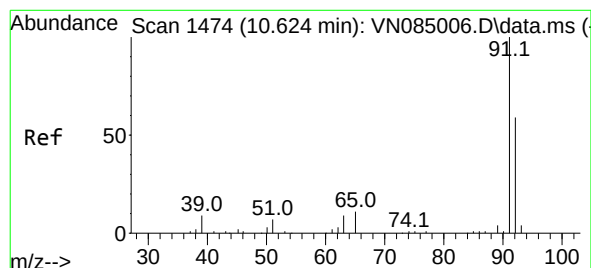
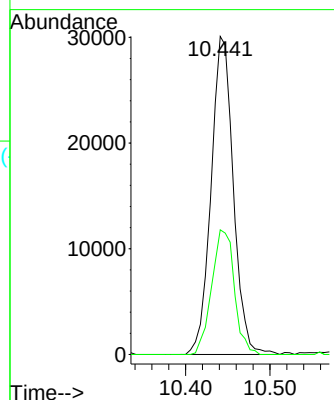
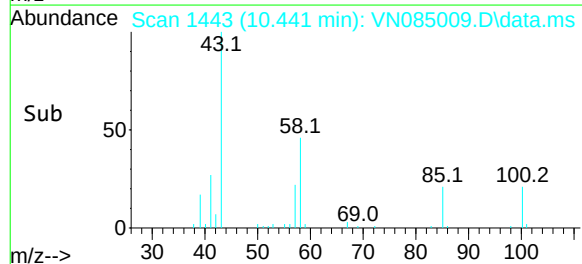
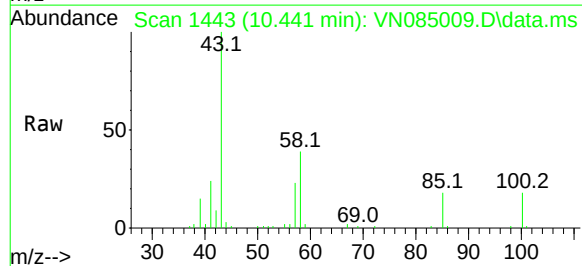
#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 55176
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1

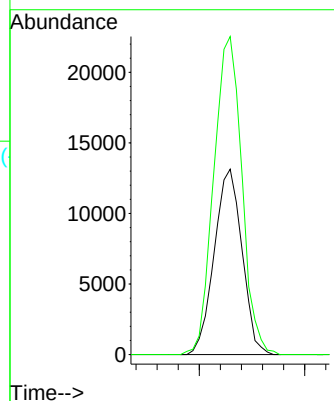
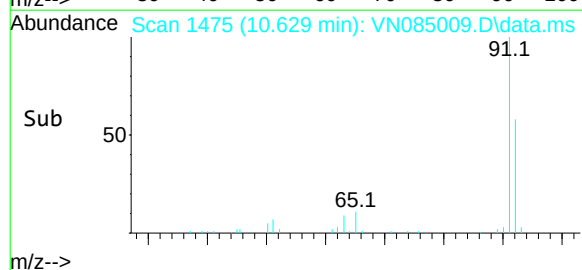
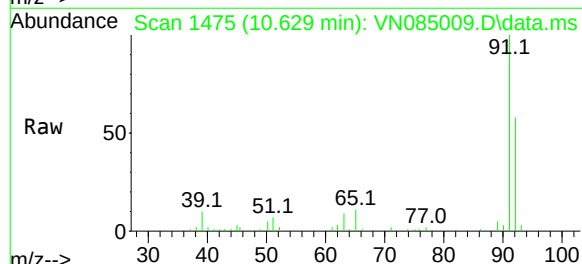
Manual Integrations
APPROVED

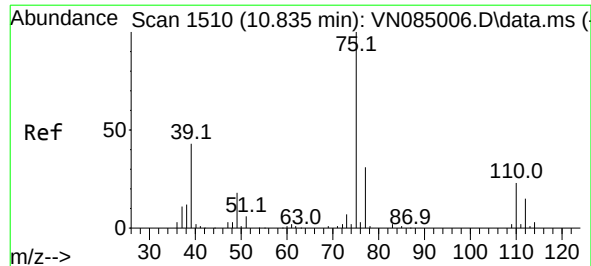
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051
Ion Ratio Lower Upper
92 100
91 173.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 4.559 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 13412

Ion Ratio Lower Upper

75 100

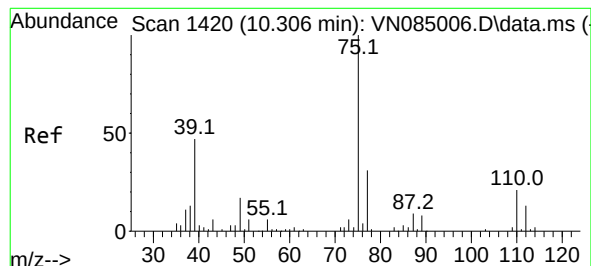
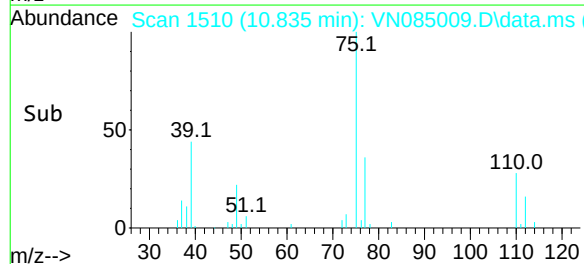
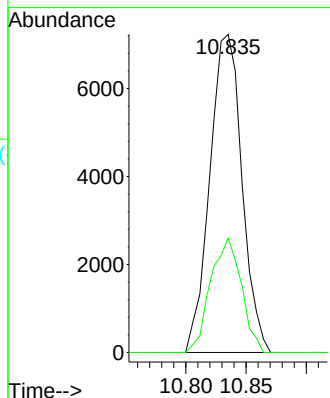
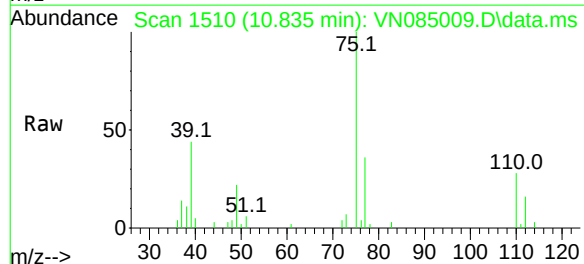
77 36.0 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 4.779 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

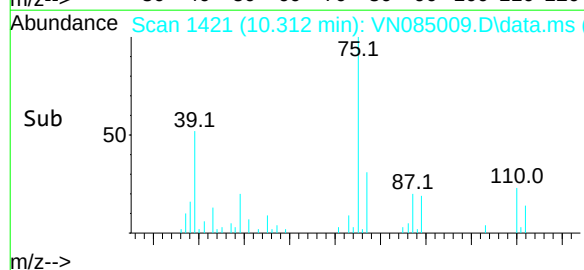
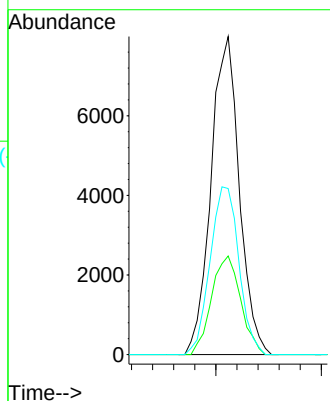
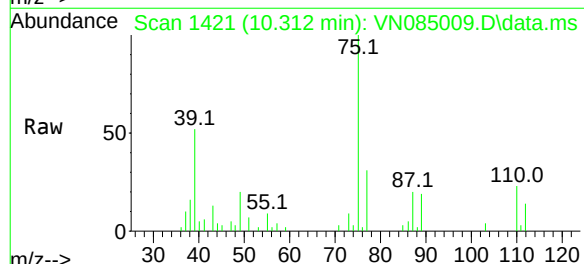
Tgt Ion: 75 Resp: 14917

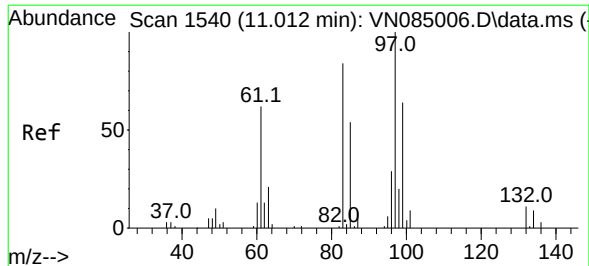
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

39 52.2 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 4.928 ug/l

RT: 11.017 min Scan# 15

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 8791

Ion Ratio Lower Upper

97 100

83 85.0 67.4 101.2

85 55.0 43.1 64.7

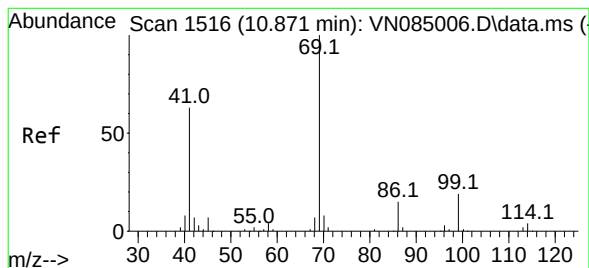
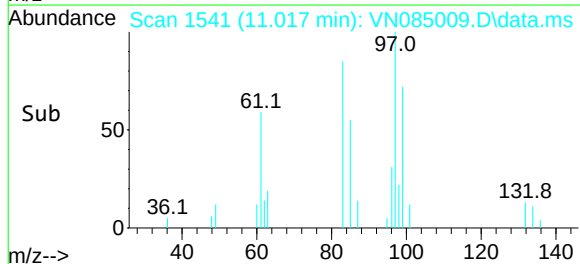
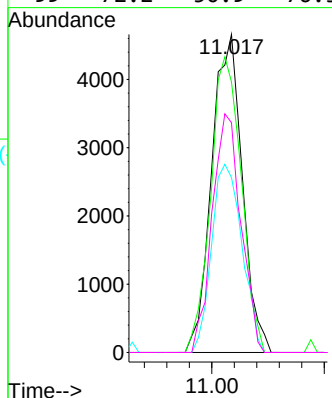
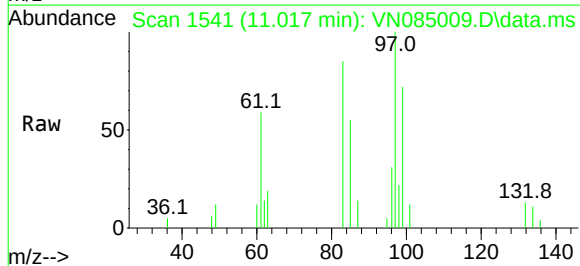
99 72.2 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 4.605 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

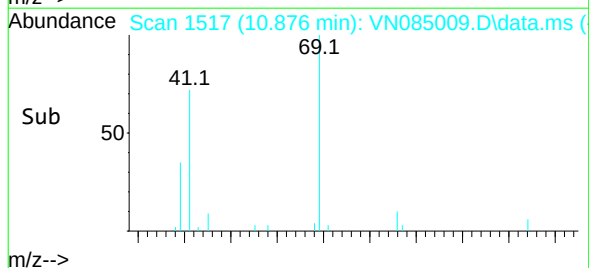
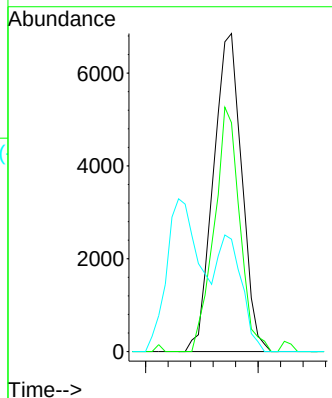
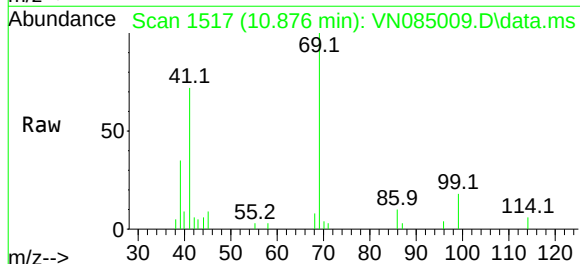
Tgt Ion: 69 Resp: 12004

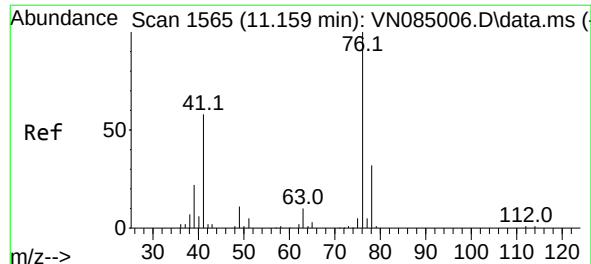
Ion Ratio Lower Upper

69 100

41 69.4 50.0 75.0

39 31.3 27.0 40.6





#57

1,3-Dichloropropane

Concen: 5.012 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 15736

Ion Ratio Lower Upper

76 100

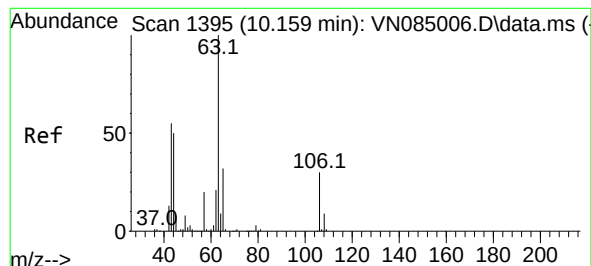
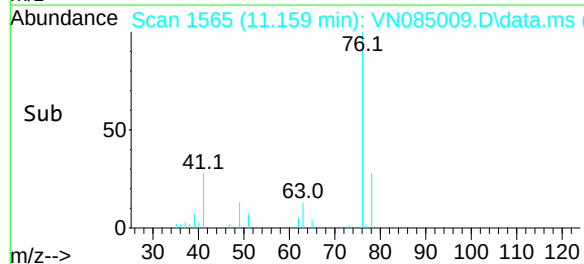
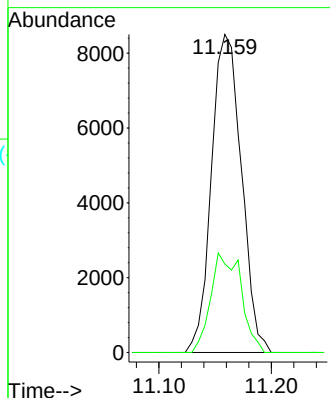
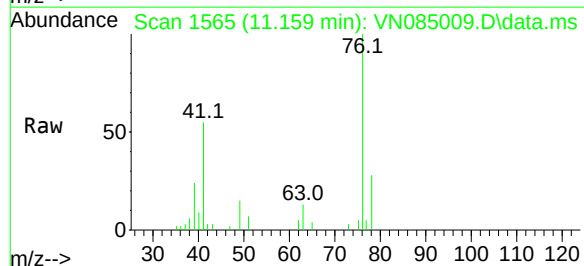
78 31.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 21.254 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085009.D

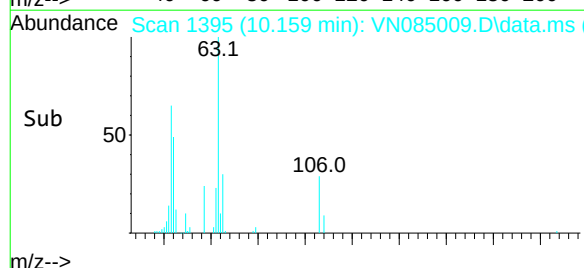
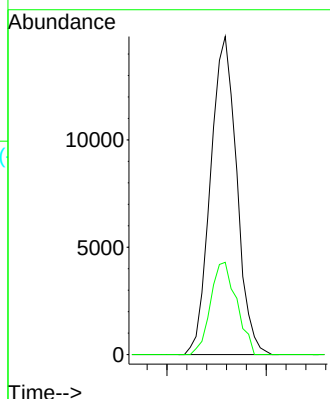
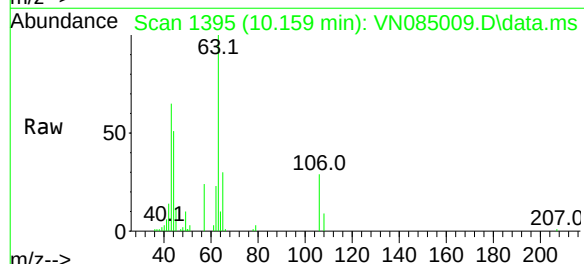
Acq: 22 Nov 2024 12:57

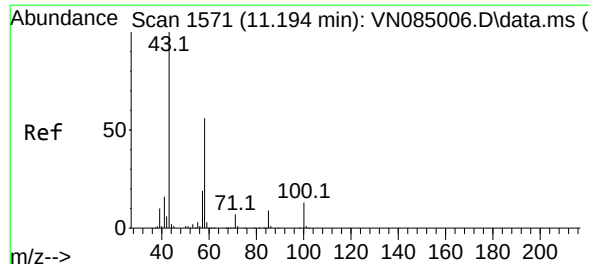
Tgt Ion: 63 Resp: 27177

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 25.237 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 41641

Ion Ratio Lower Upper

43 100

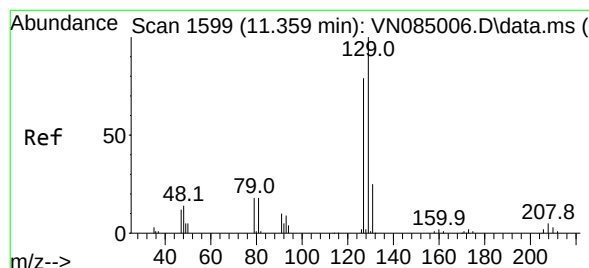
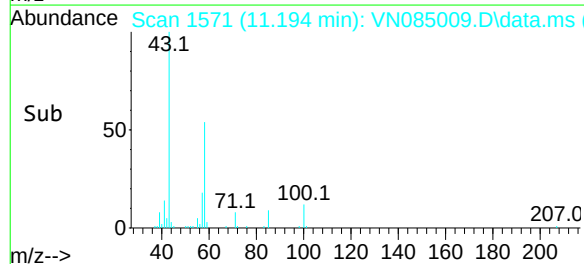
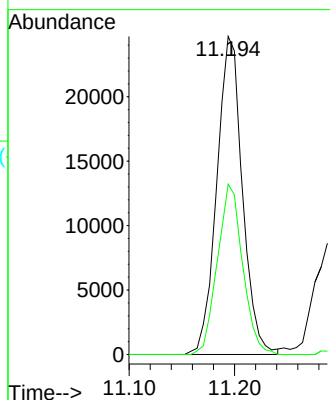
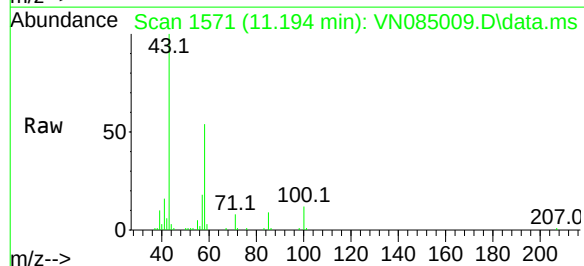
58 52.8 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 4.974 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085009.D

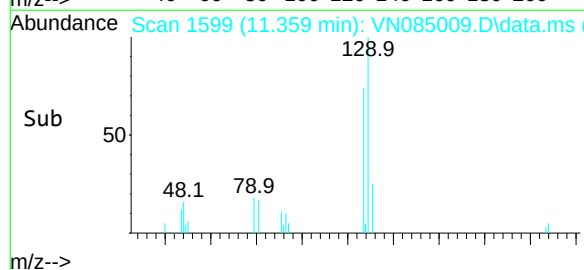
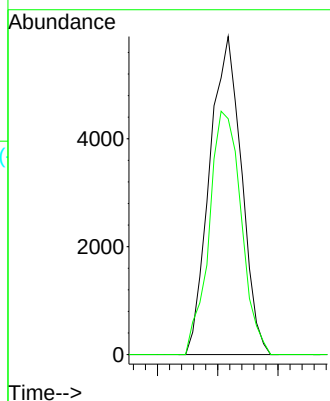
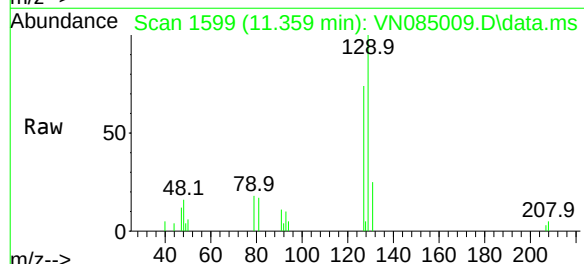
Acq: 22 Nov 2024 12:57

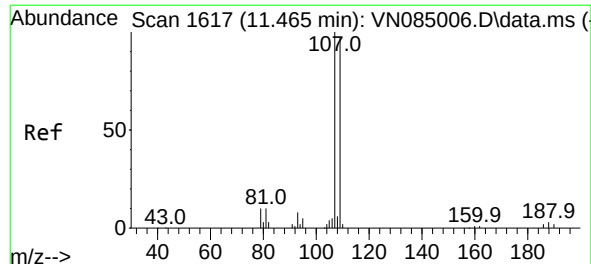
Tgt Ion:129 Resp: 10844

Ion Ratio Lower Upper

129 100

127 77.1 39.2 117.6





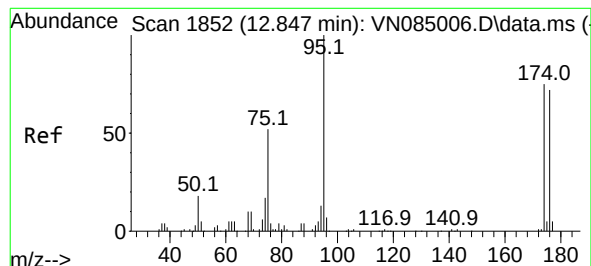
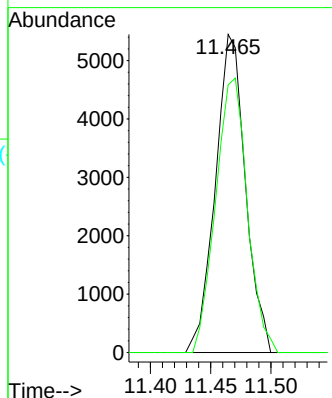
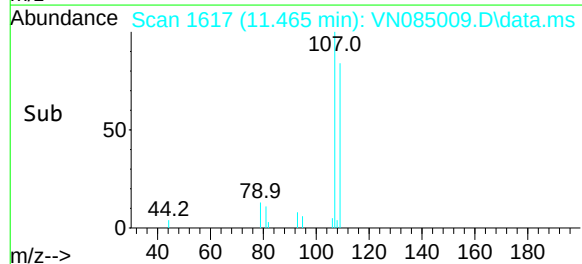
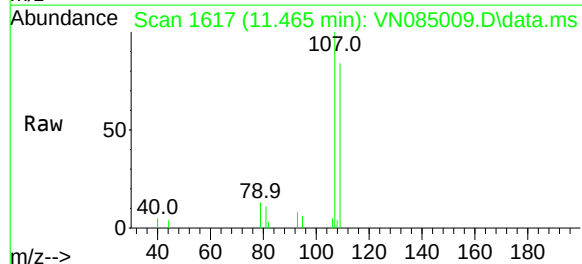
#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 9468
Ion Ratio Lower Upper
107 100
109 90.8 76.1 114.1

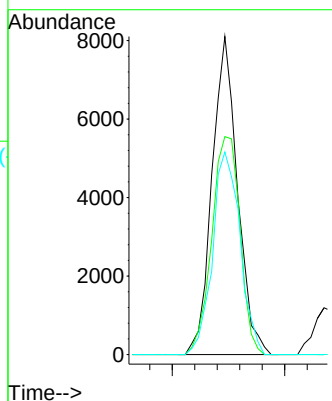
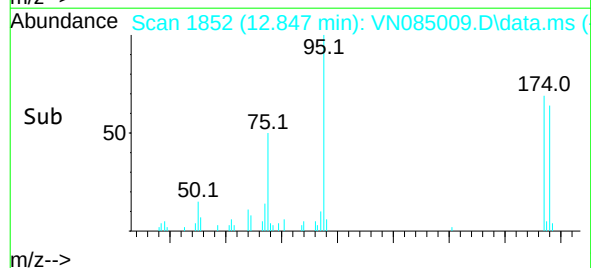
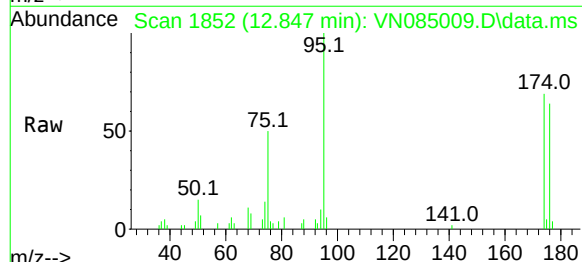
Manual Integrations
APPROVED

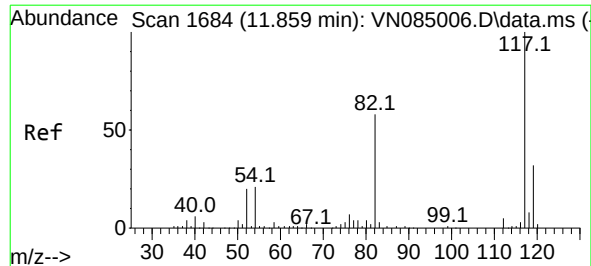
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715
Ion Ratio Lower Upper
95 100
174 76.0 0.0 146.6
176 68.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

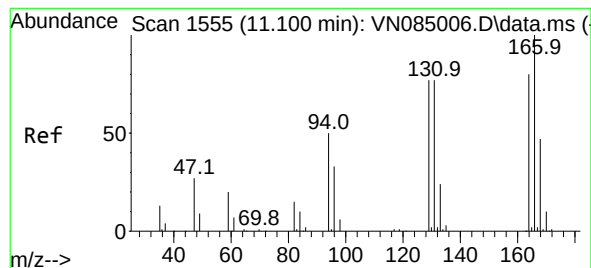
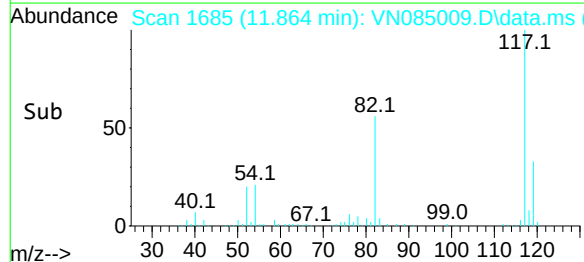
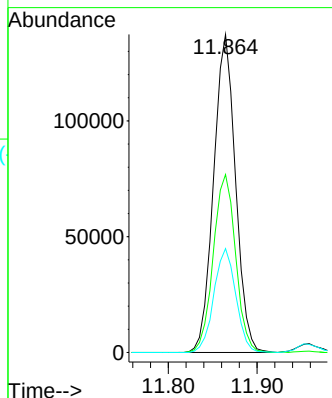
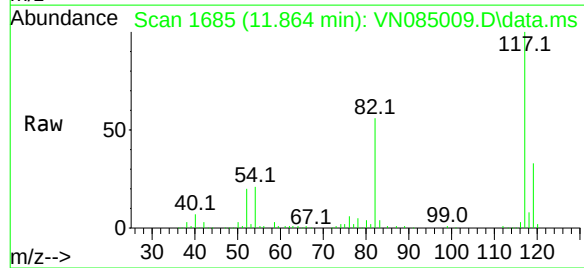
ClientSampleId :

VSTDICC005

Tgt Ion:	117	Resp:	235767
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.0	69.0
119	32.7	25.6	38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 5.556 ug/l

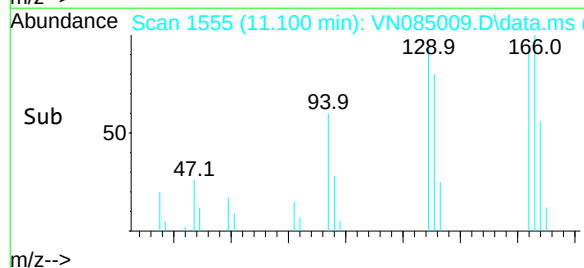
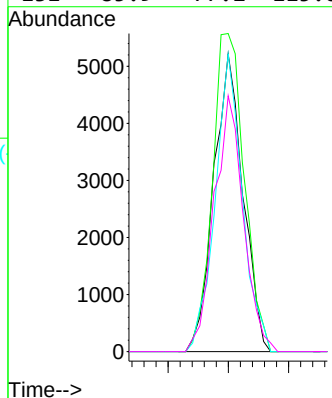
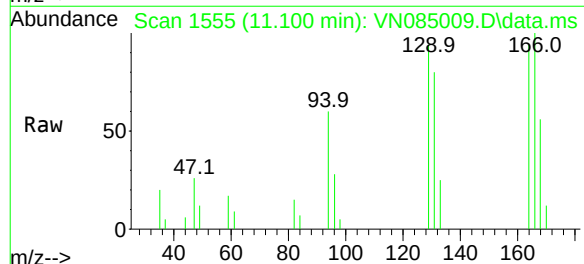
RT: 11.100 min Scan# 1555

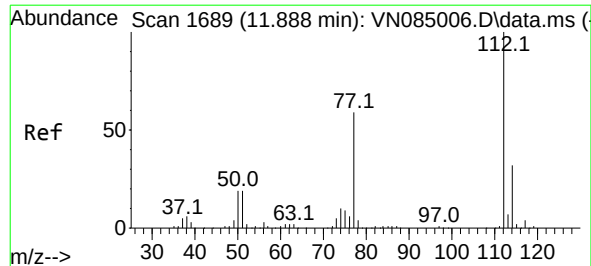
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	164	Resp:	8826
Ion	Ratio	Lower	Upper
164	100		
166	106.8	100.6	151.0
129	99.9	77.7	116.5
131	85.9	77.2	115.8





#65

Chlorobenzene

Concen: 4.997 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 26717

Ion Ratio Lower Upper

112 100

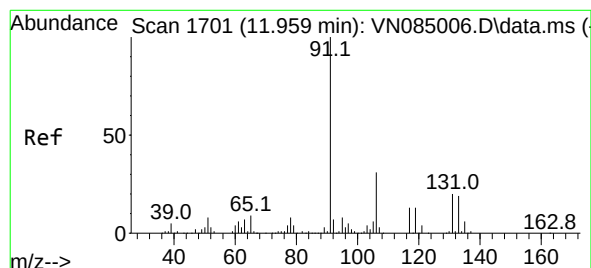
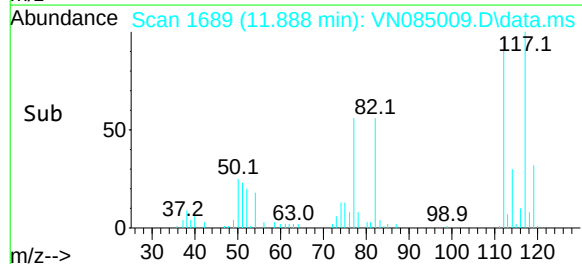
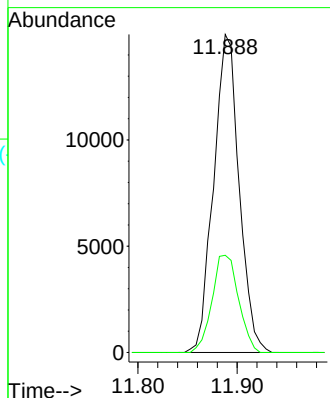
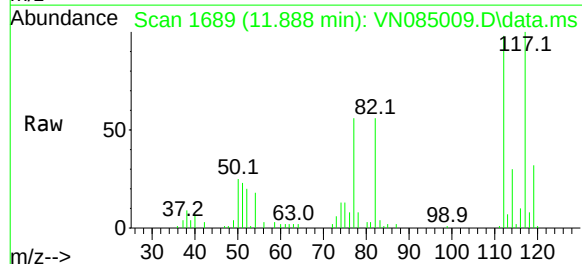
114 30.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 5.261 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

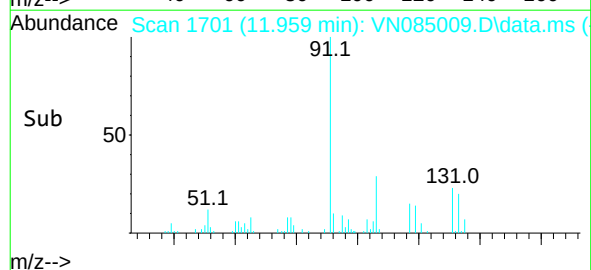
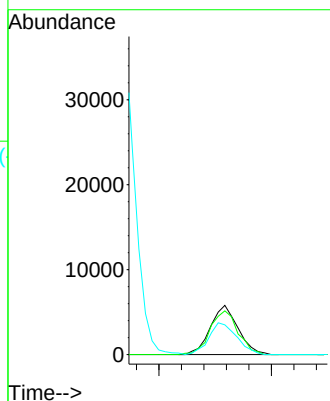
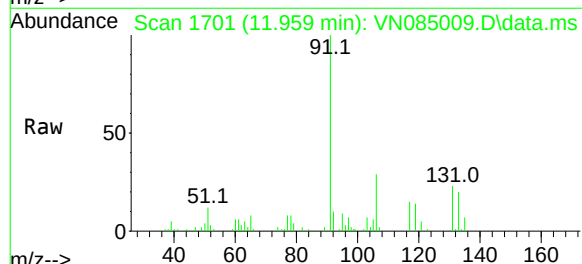
Tgt Ion:131 Resp: 9904

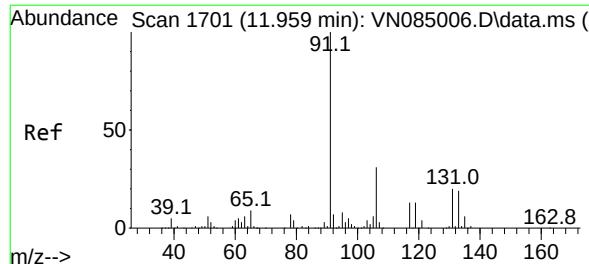
Ion Ratio Lower Upper

131 100

133 89.9 47.8 143.4

119 65.0 32.1 96.3





#67

Ethyl Benzene

Concen: 4.916 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 42642

Ion Ratio Lower Upper

91 100

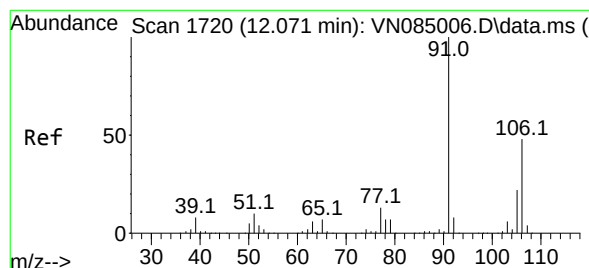
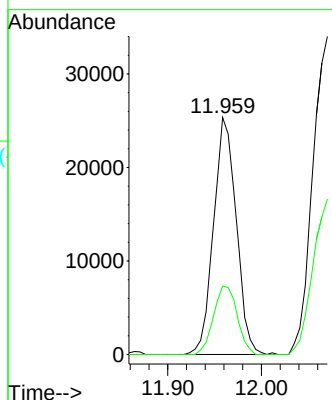
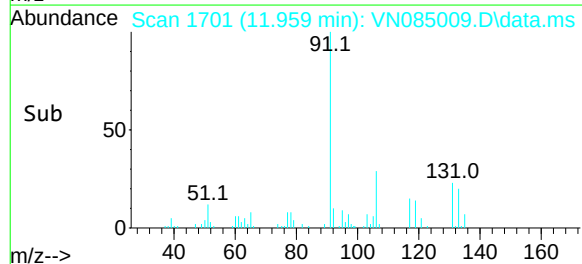
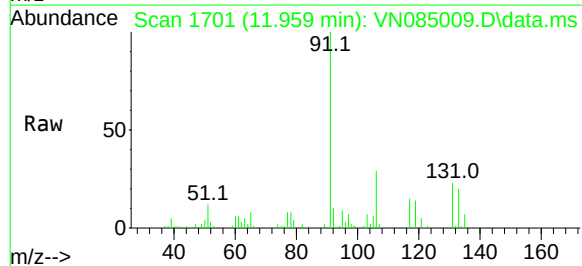
106 28.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 9.514 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085009.D

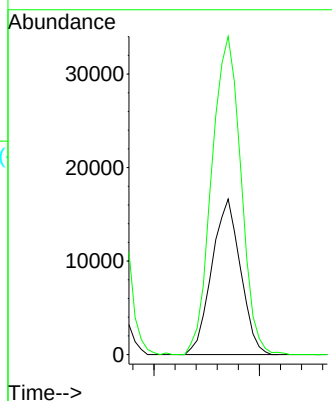
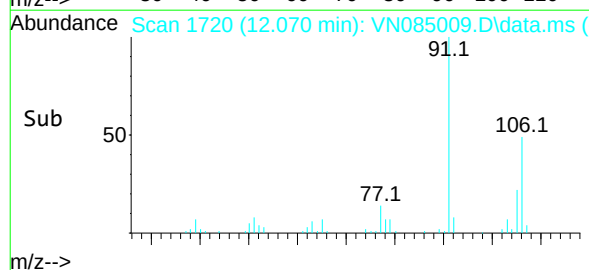
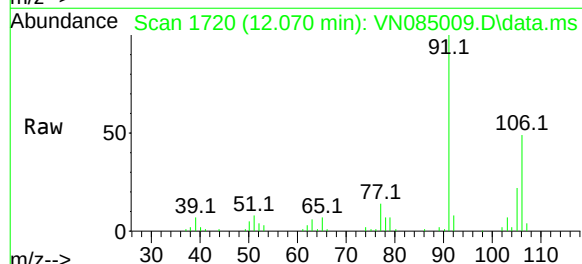
Acq: 22 Nov 2024 12:57

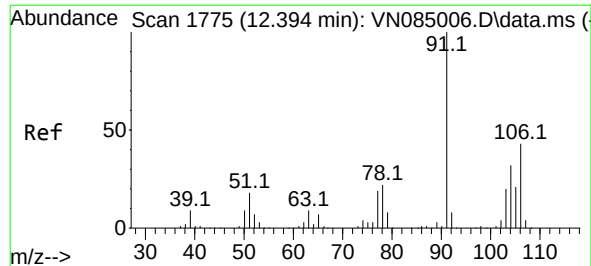
Tgt Ion:106 Resp: 31421

Ion Ratio Lower Upper

106 100

91 208.8 168.0 252.0





#69

o-Xylene

Concen: 4.754 ug/l

RT: 12.400 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 14935

Ion Ratio Lower Upper

106 100

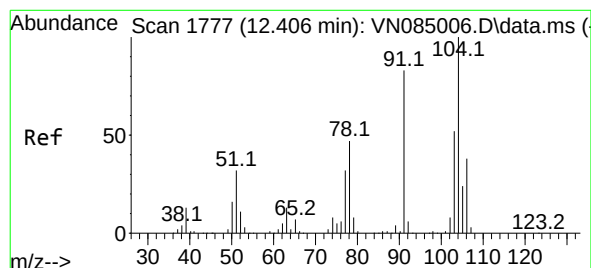
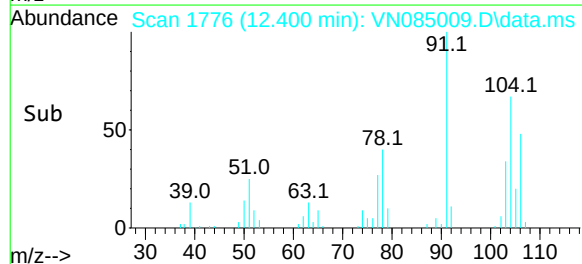
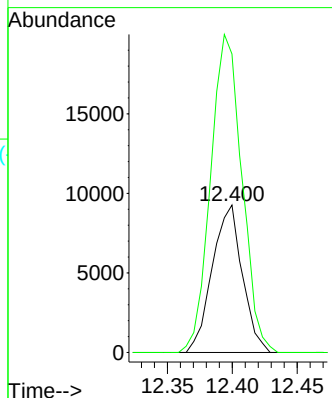
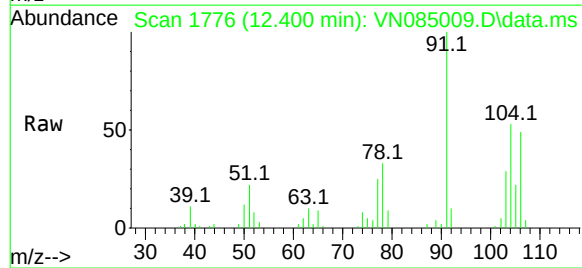
91 224.5 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 4.686 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

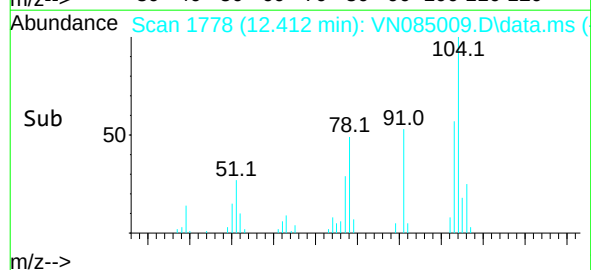
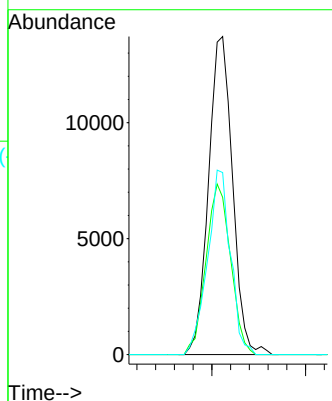
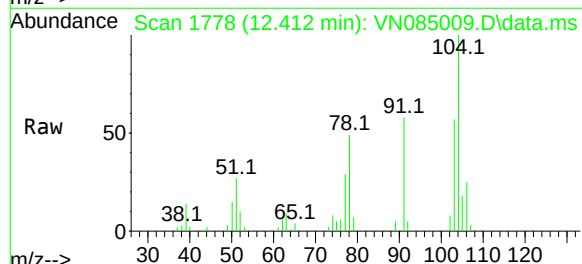
Tgt Ion:104 Resp: 24480

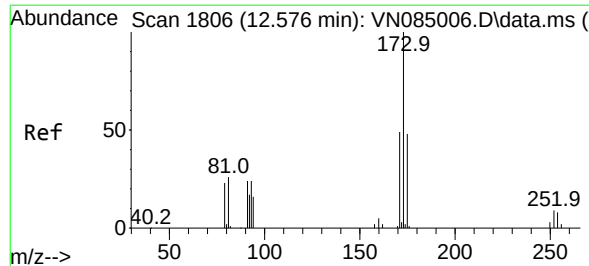
Ion Ratio Lower Upper

104 100

78 54.8 42.3 63.5

103 55.3 44.2 66.2





#71

Bromoform

Concen: 5.038 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

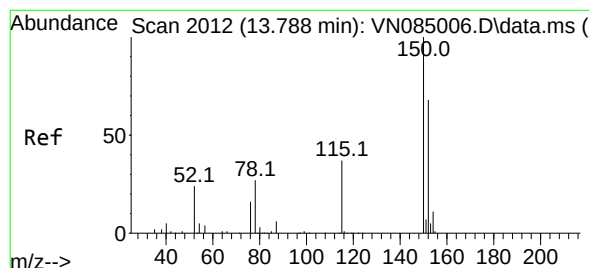
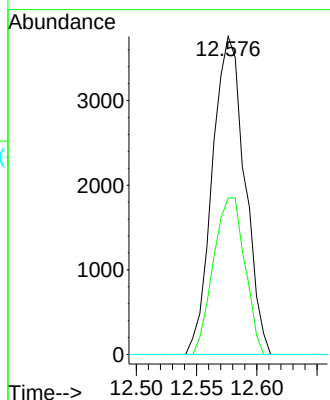
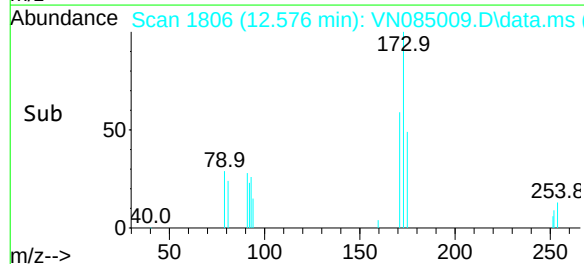
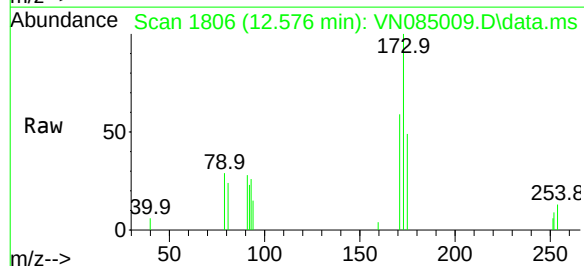
ClientSampleId :

VSTDIC005

Tgt Ion:	173	Resp:	7040
Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

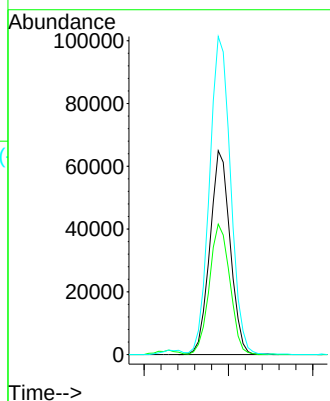
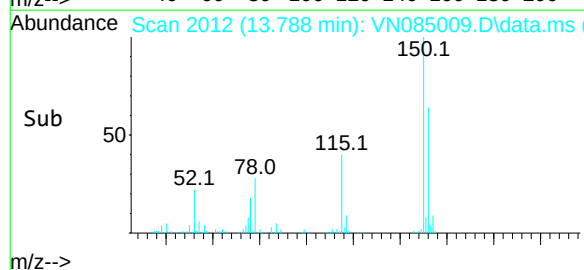
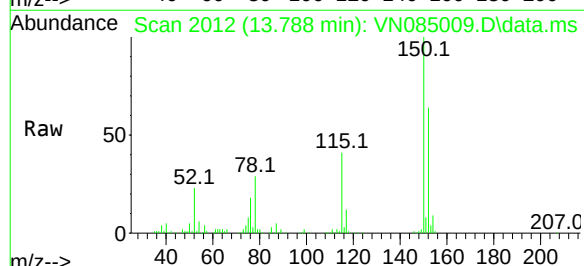
RT: 13.788 min Scan# 2012

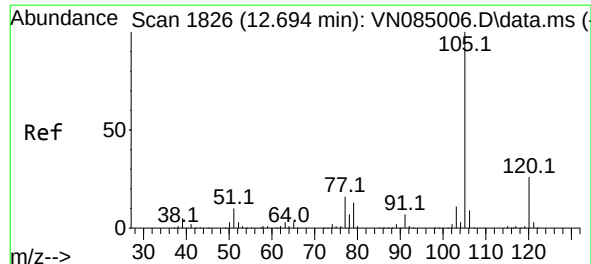
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	152	Resp:	108389
Ion	Ratio	Lower	Upper
152	100		
115	64.7	31.7	95.1
150	162.8	0.0	351.4





#73

Isopropylbenzene

Concen: 4.910 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 37544

Ion Ratio Lower Upper

105 100

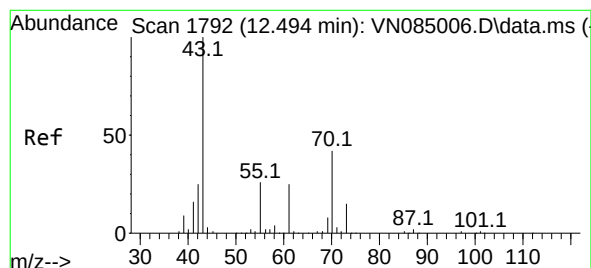
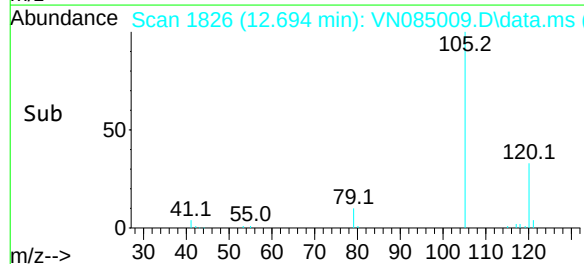
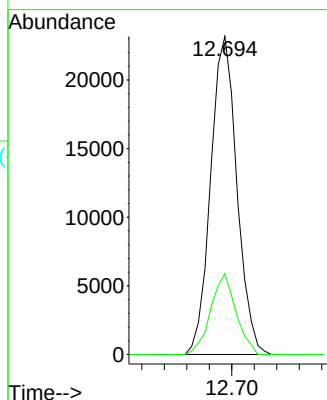
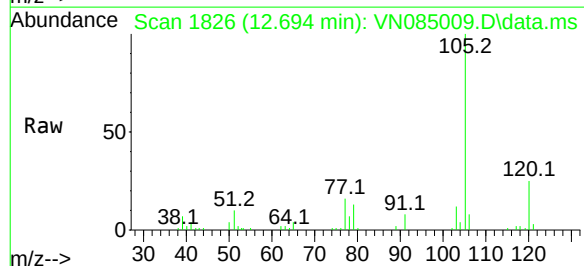
120 24.6 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 4.759 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995

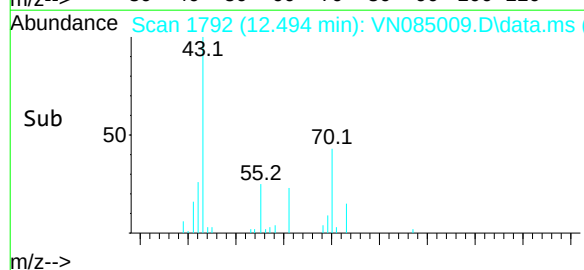
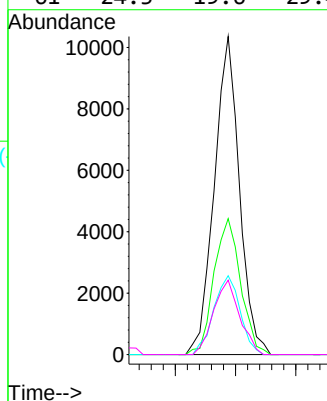
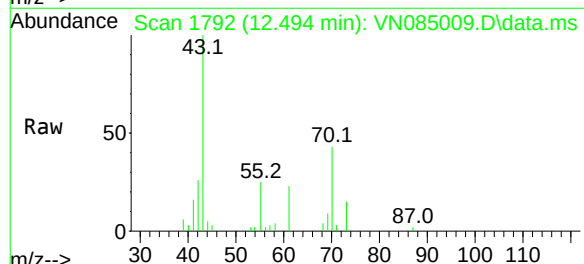
Ion Ratio Lower Upper

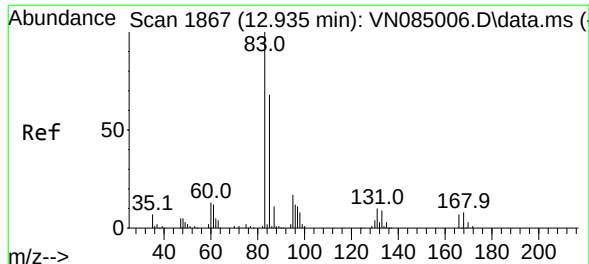
43 100

70 45.3 34.6 51.8

55 26.0 20.5 30.7

61 24.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.109 ug/l

RT: 12.941 min Scan# 1867

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

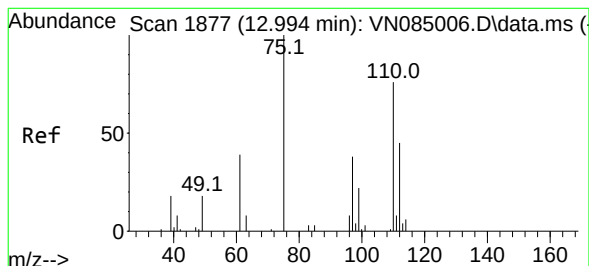
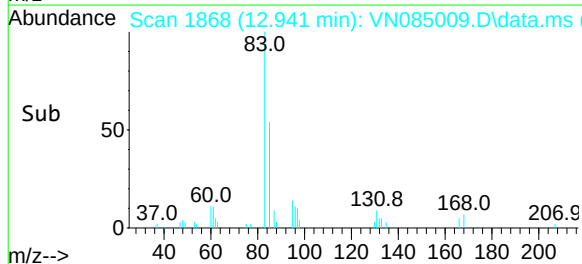
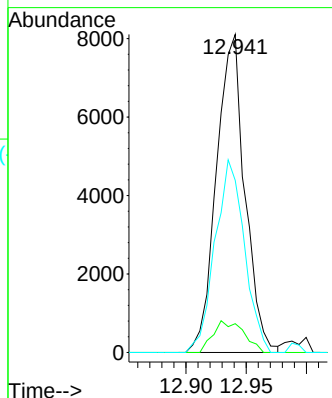
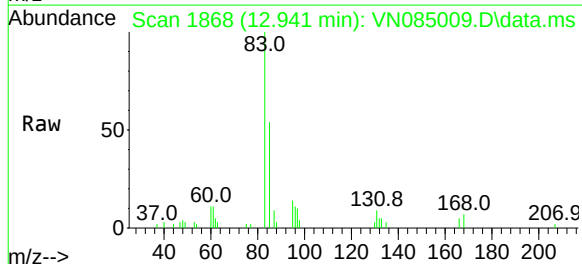
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	13341
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	62.6	32.1	96.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 4.393 ug/l m

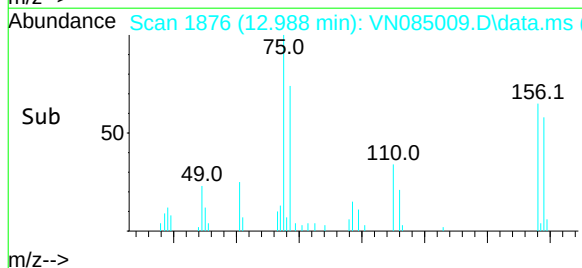
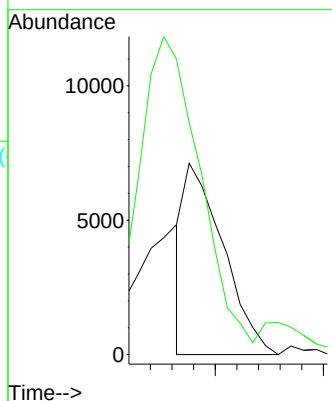
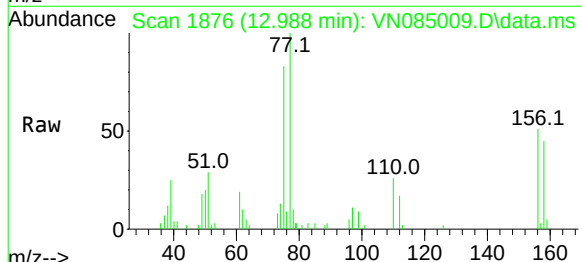
RT: 12.988 min Scan# 1876

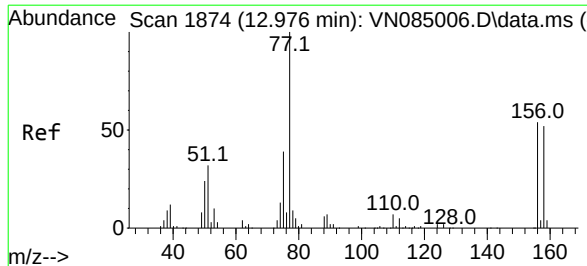
Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	75	Resp:	8907
Ion Ratio	Lower	Upper	
75	100		
77	269.2	109.1	327.4





#77

Bromobenzene

Concen: 5.095 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085009.D

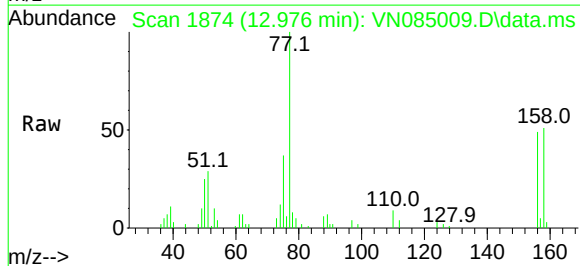
Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

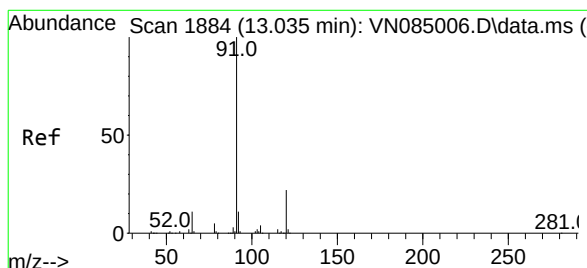
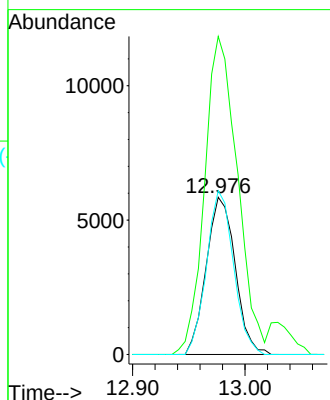
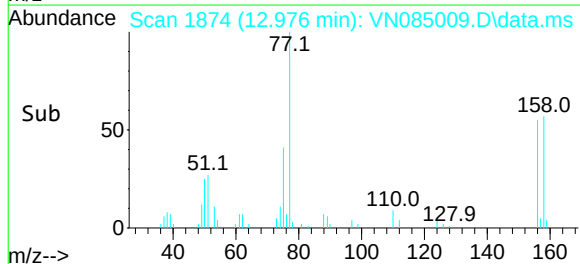
VSTDIC005



Tgt Ion:	156	Resp:	10485
Ion Ratio	Lower	Upper	
156	100		
77	228.7	107.2	321.6
158	97.2	48.5	145.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

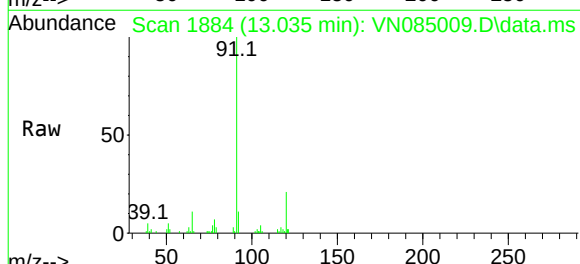
Concen: 4.931 ug/l

RT: 13.035 min Scan# 1884

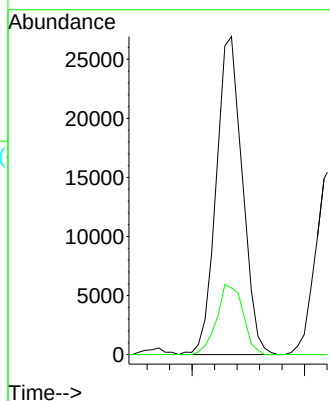
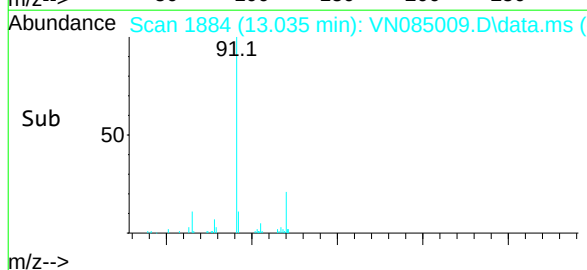
Delta R.T. -0.000 min

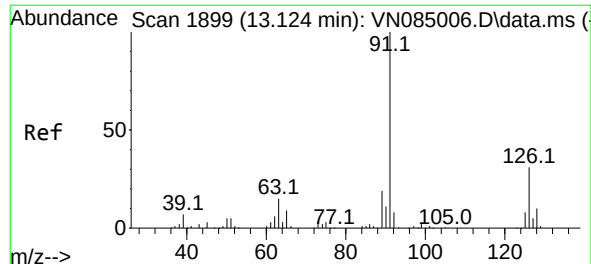
Lab File: VN085009.D

Acq: 22 Nov 2024 12:57



Tgt Ion:	91	Resp:	43493
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 4.932 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 29037

Ion Ratio Lower Upper

91 100

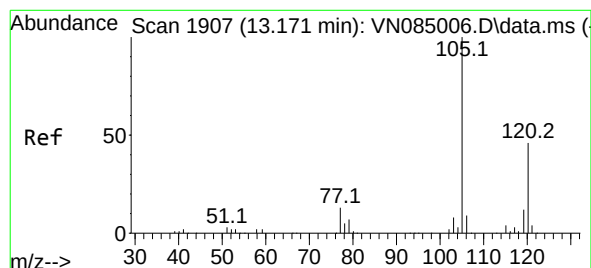
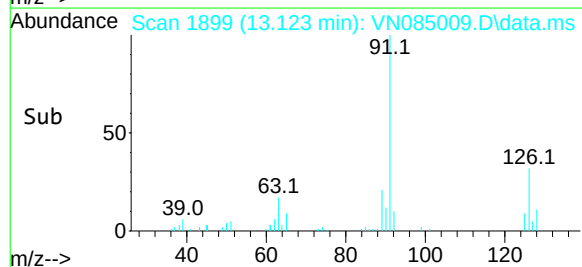
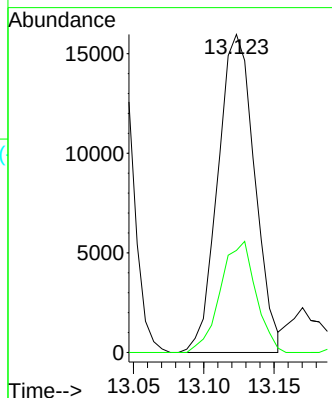
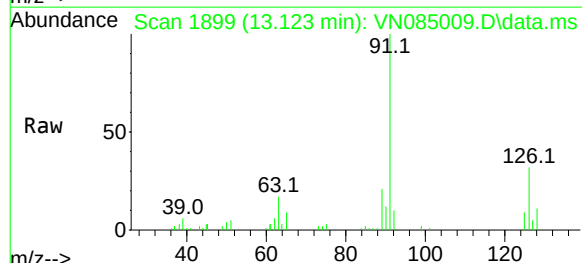
126 33.7 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 4.802 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085009.D

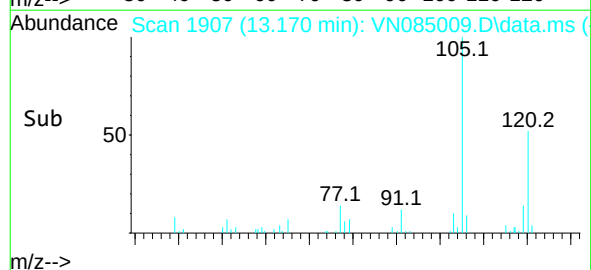
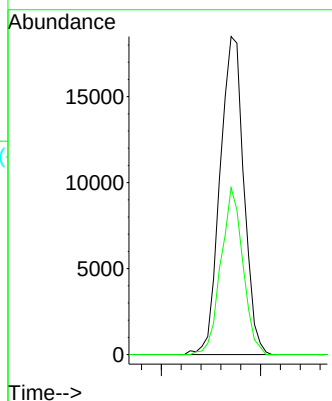
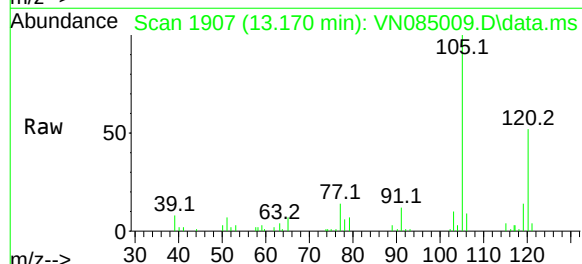
Acq: 22 Nov 2024 12:57

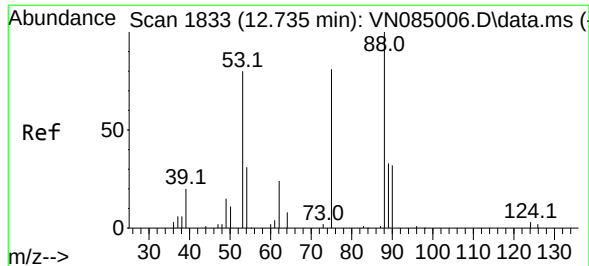
Tgt Ion:105 Resp: 30809

Ion Ratio Lower Upper

105 100

120 48.4 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.502 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

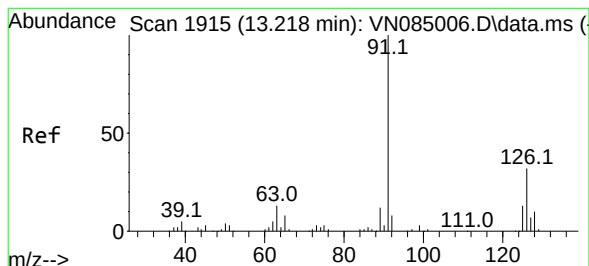
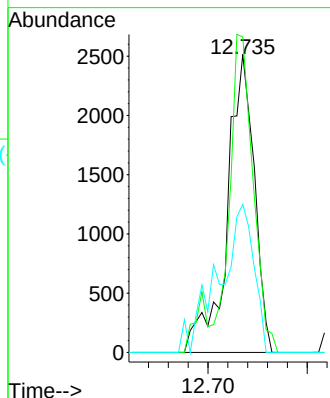
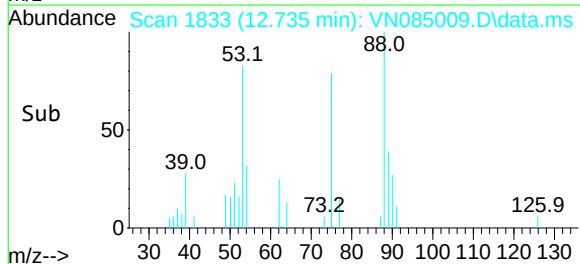
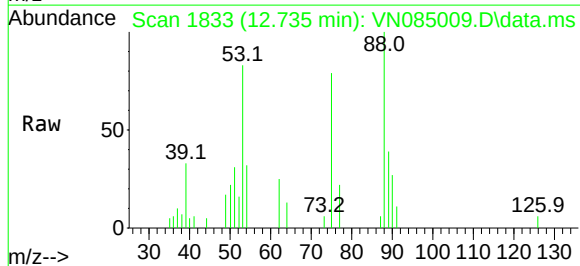
Tgt Ion:	75	Resp:	4774
Ion	Ratio	Lower	Upper
75	100		
53	92.4	78.2	117.4
89	64.5	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 4.986 ug/l

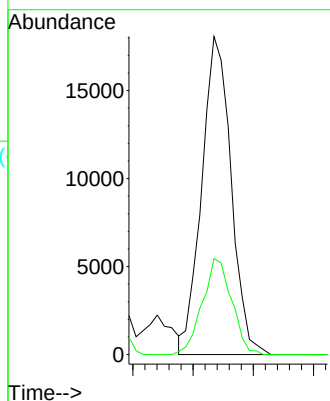
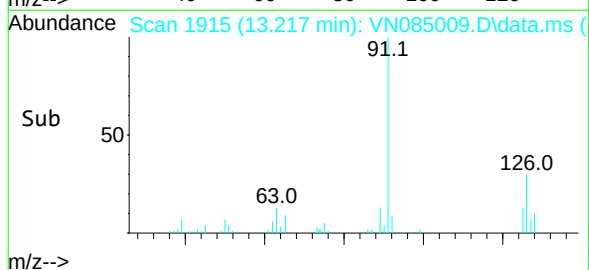
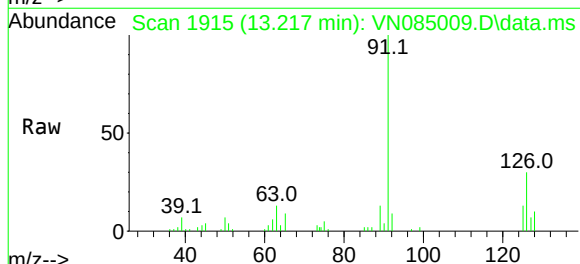
RT: 13.217 min Scan# 1915

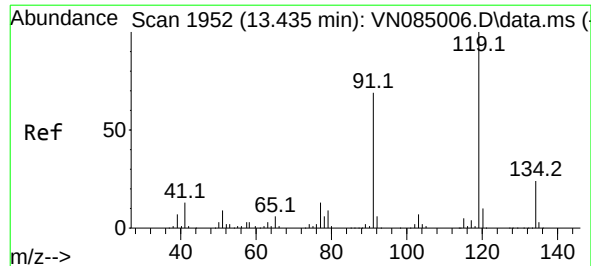
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	91	Resp:	30558
Ion	Ratio	Lower	Upper
91	100		
126	30.2	16.1	48.3





#83

tert-Butylbenzene

Concen: 4.797 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

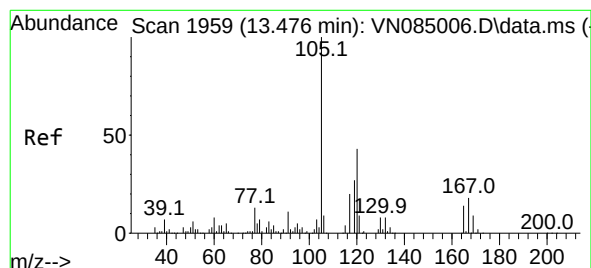
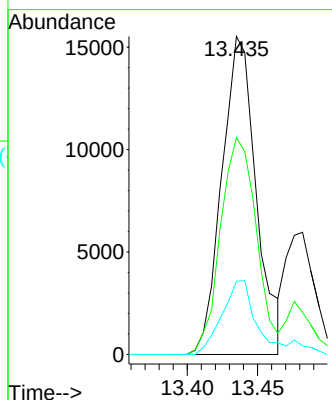
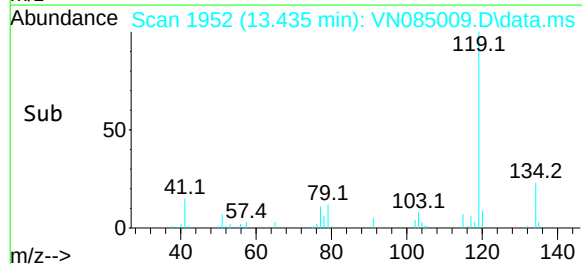
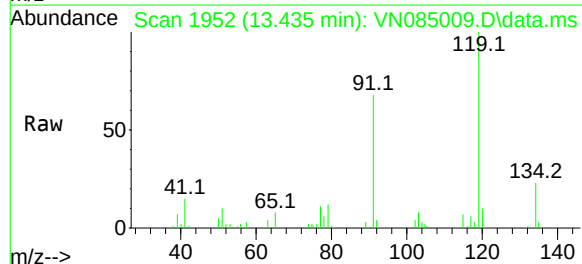
ClientSampleId :

VSTDIC005

Tgt Ion:	119	Resp:	26485
Ion Ratio	Lower	Upper	
119	100		
91	71.1	35.1	105.5
134	22.9	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 4.743 ug/l

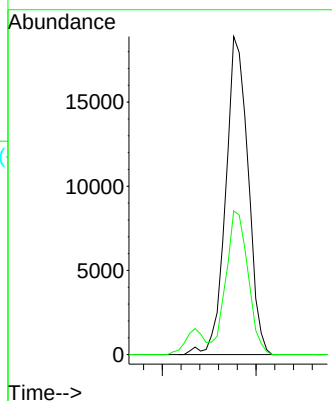
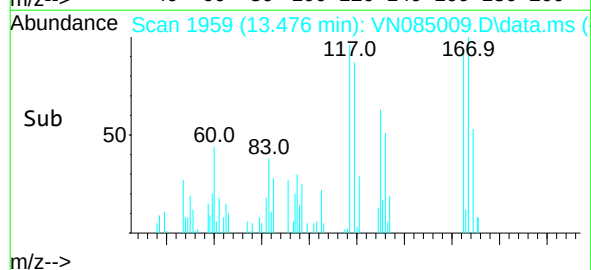
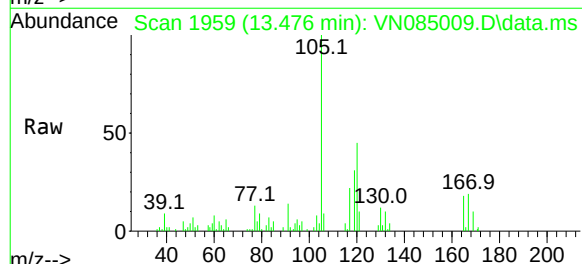
RT: 13.476 min Scan# 1959

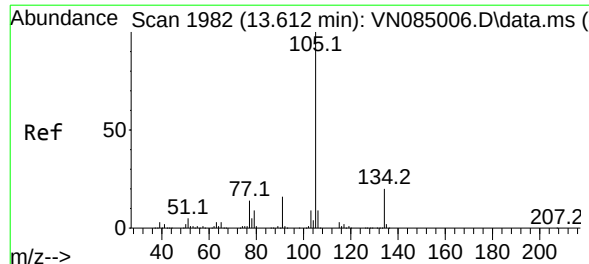
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	105	Resp:	31328
Ion Ratio	Lower	Upper	
105	100		
120	45.0	21.8	65.4





#85

sec-Butylbenzene

Concen: 4.718 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion:105 Resp: 35183

Ion Ratio Lower Upper

105 100

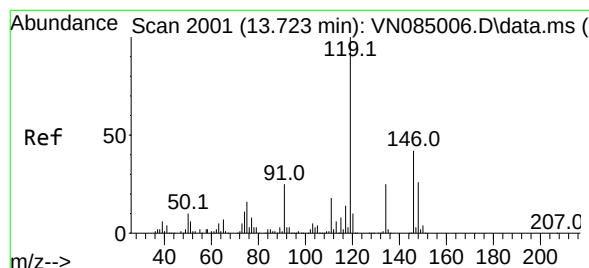
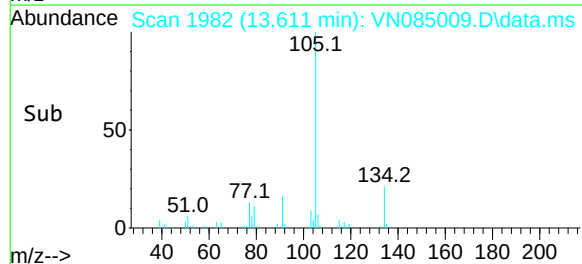
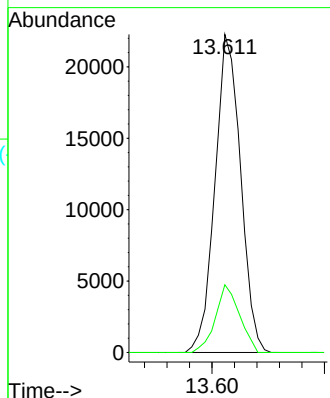
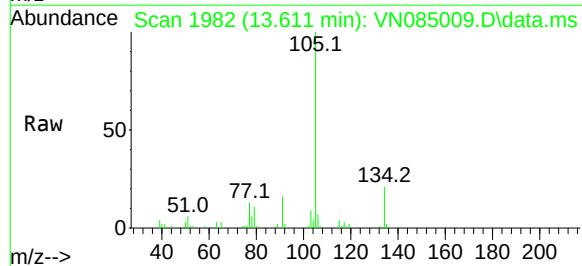
134 20.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 4.551 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

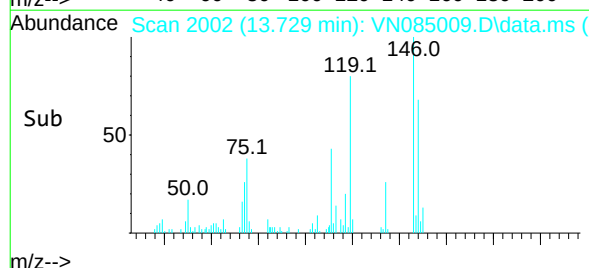
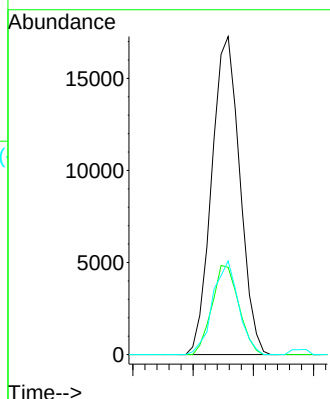
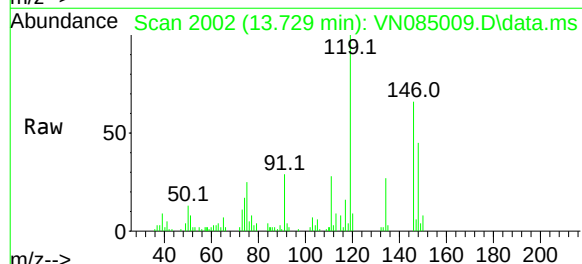
Tgt Ion:119 Resp: 28019

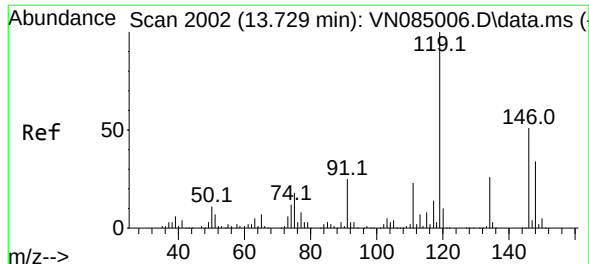
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 27.0 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 5.185 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

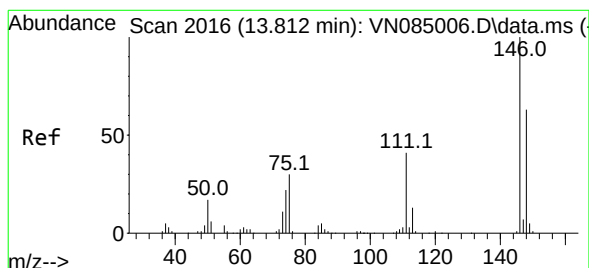
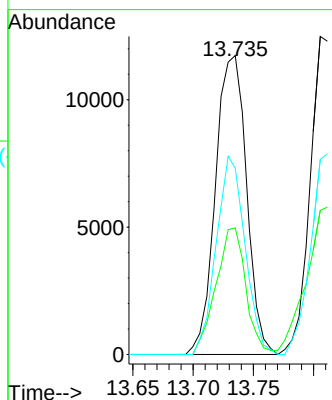
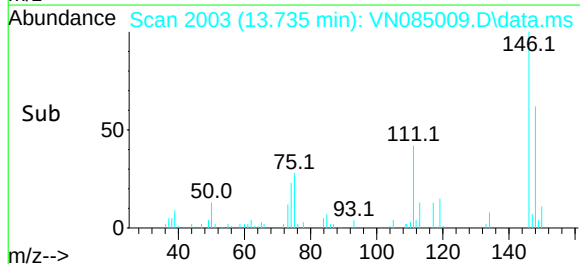
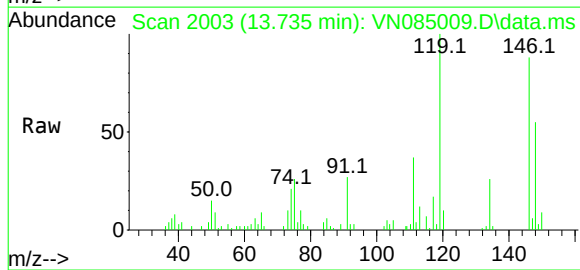
Tgt Ion:	146	Resp:	21043
Ion Ratio	Lower	Upper	
146	100		
111	40.7	21.6	65.0
148	61.6	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 5.322 ug/l

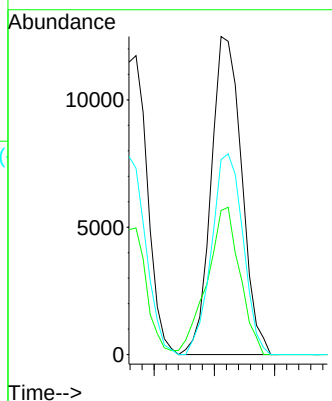
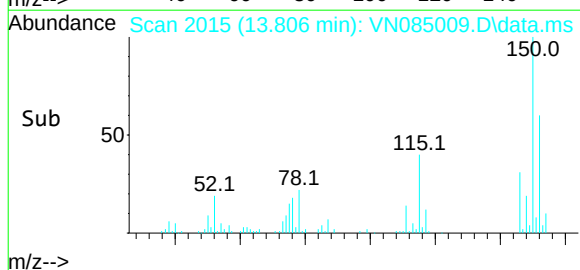
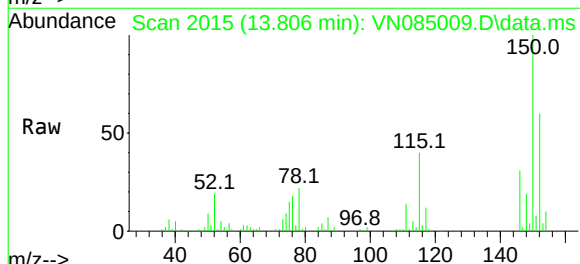
RT: 13.806 min Scan# 2015

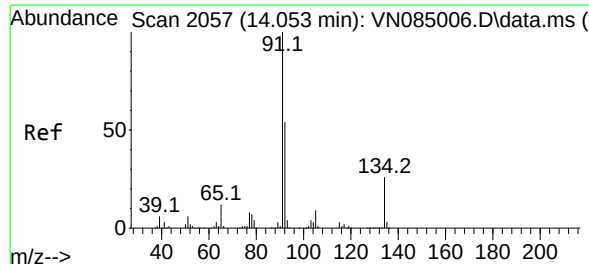
Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	146	Resp:	22041
Ion Ratio	Lower	Upper	
146	100		
111	49.8	20.9	62.8
148	65.0	31.3	93.9





#89

n-Butylbenzene

Concen: 4.732 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

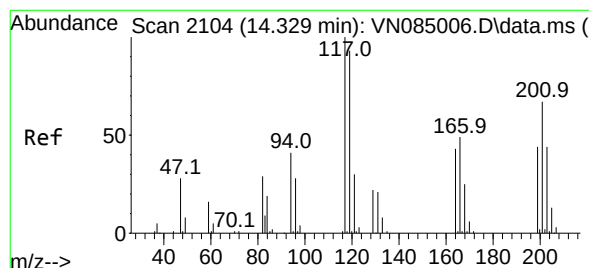
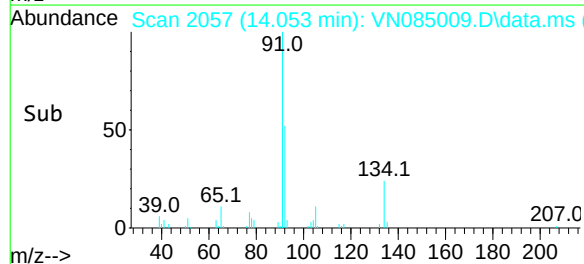
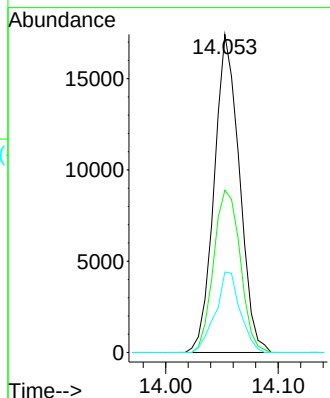
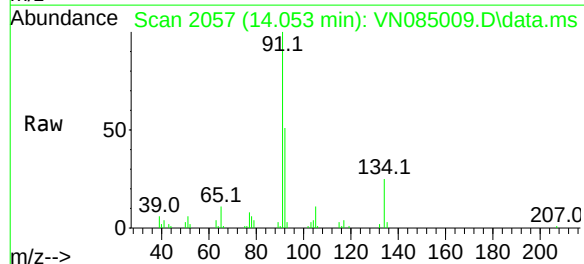
VSTDIC005

Tgt Ion:	91	Resp:	27093
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.8	80.3
134	24.9	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 5.119 ug/l

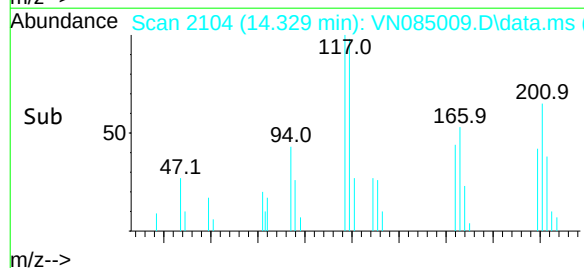
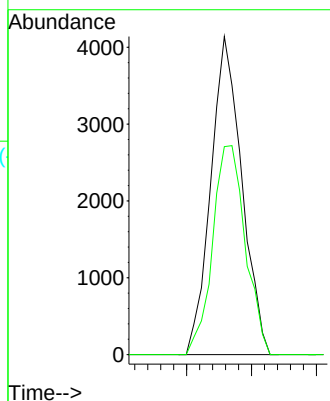
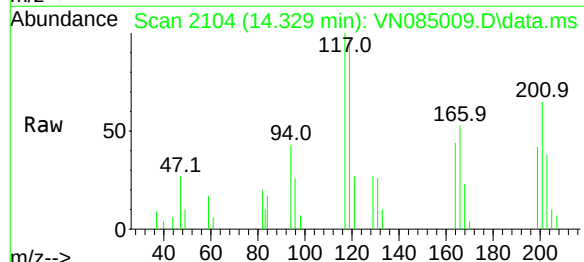
RT: 14.329 min Scan# 2104

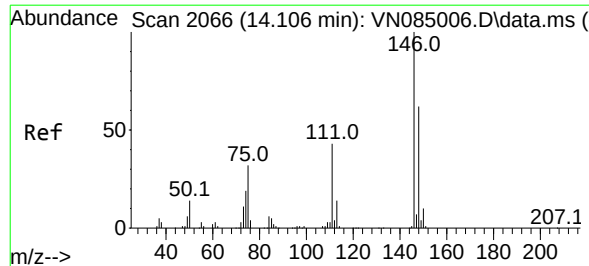
Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	117	Resp:	6869
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 5.058 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

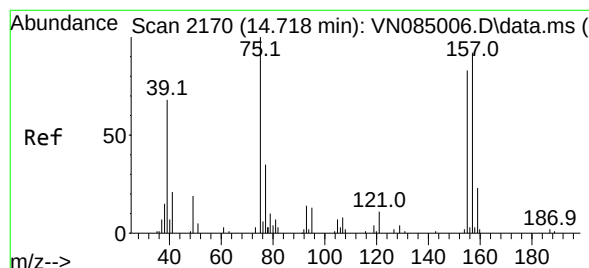
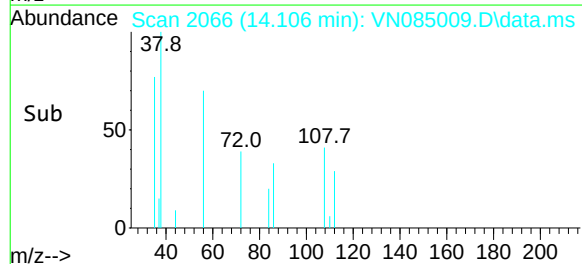
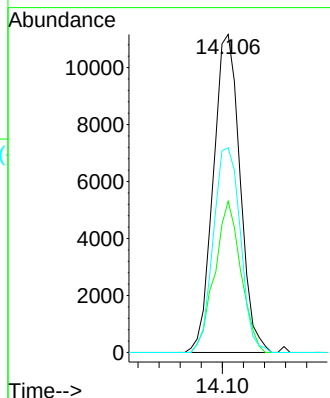
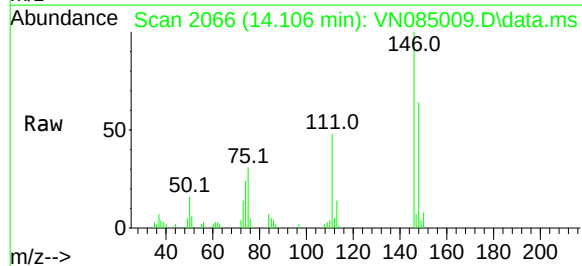
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	19670
Ion	Ratio	Lower	Upper
146	100		
111	46.4	21.9	65.8
148	65.1	31.1	93.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.353 ug/l

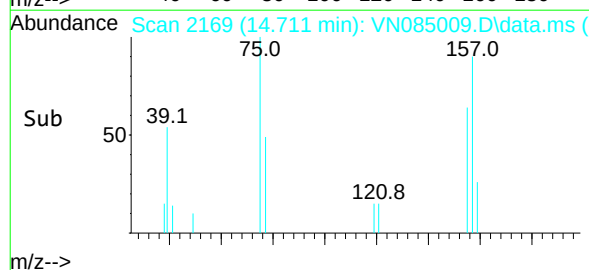
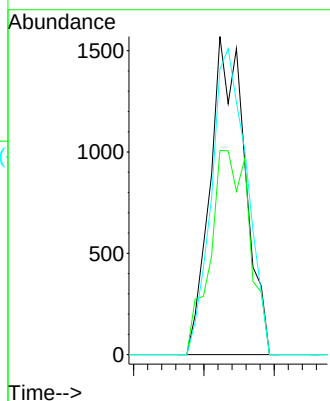
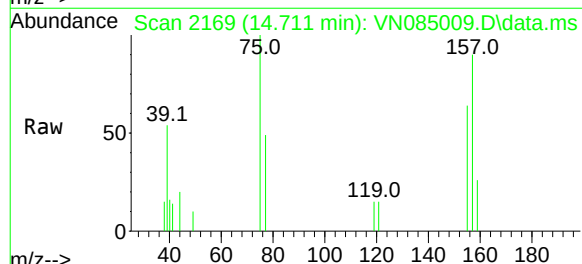
RT: 14.711 min Scan# 2169

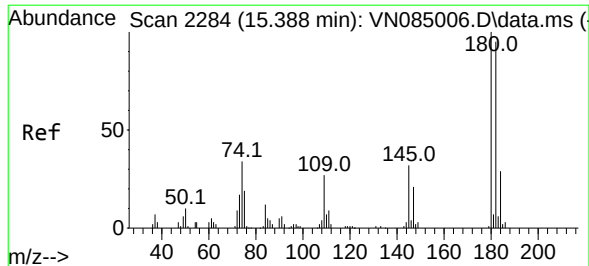
Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	75	Resp:	2703
Ion	Ratio	Lower	Upper
75	100		
155	71.9	38.9	116.7
157	97.4	48.3	144.9





#93

1,2,4-Trichlorobenzene

Concen: 4.992 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085009.D

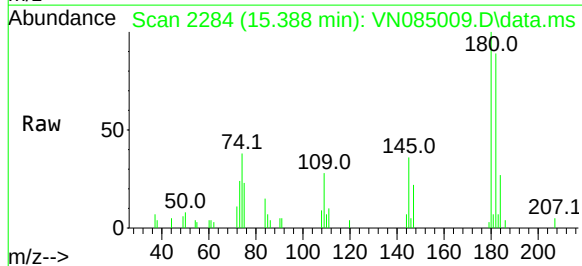
Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

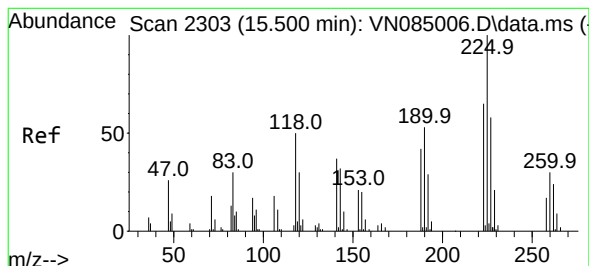
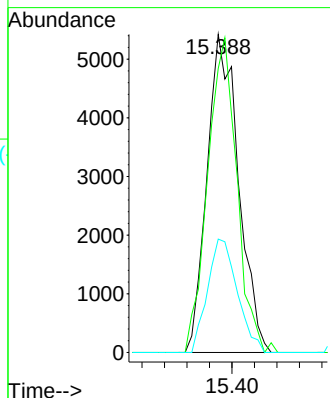
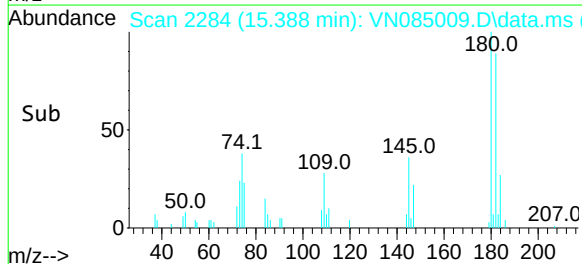
VSTDIC005



Tgt Ion:	180	Resp:	10547
Ion Ratio	Lower	Upper	
180	100		
182	92.0	46.9	140.8
145	33.7	16.3	48.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

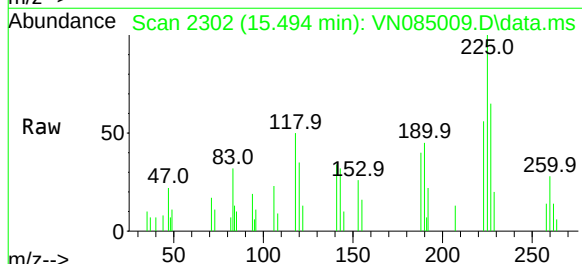
Concen: 5.272 ug/l

RT: 15.494 min Scan# 2302

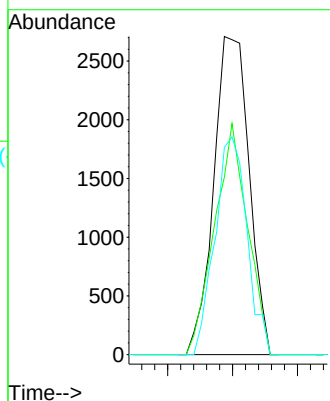
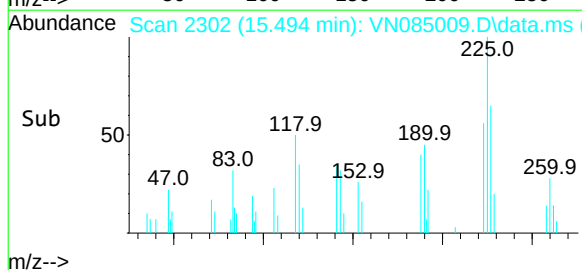
Delta R.T. -0.006 min

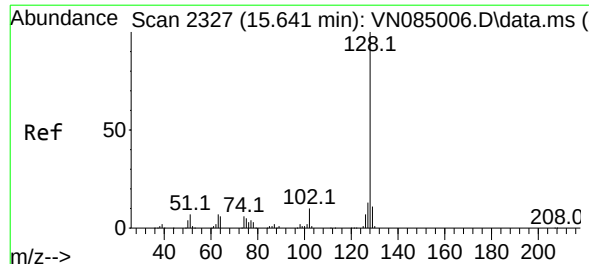
Lab File: VN085009.D

Acq: 22 Nov 2024 12:57



Tgt Ion:	225	Resp:	5141
Ion Ratio	Lower	Upper	
225	100		
223	67.7	30.9	92.8
227	62.0	31.5	94.5





#95

Naphthalene

Concen: 4.832 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

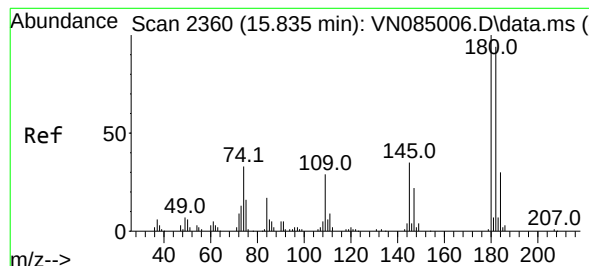
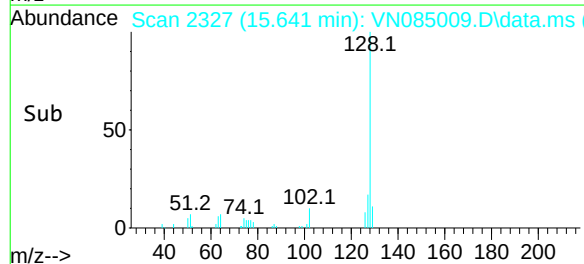
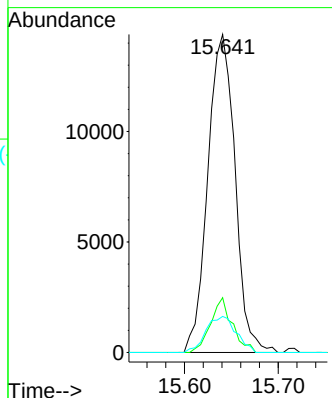
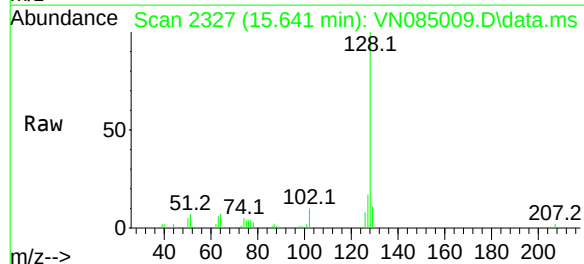
ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	29077
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	12.6	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 4.981 ug/l

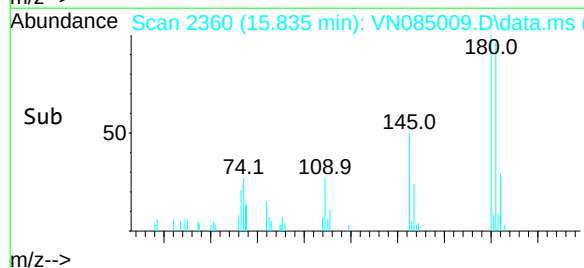
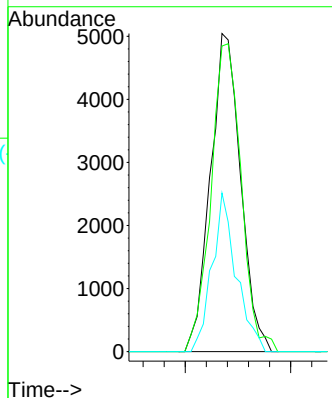
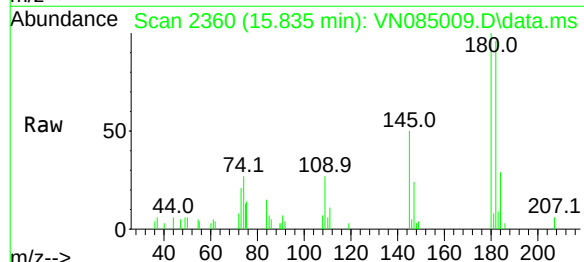
RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:	180	Resp:	10042
Ion	Ratio	Lower	Upper
180	100		
182	96.9	46.4	139.2
145	40.1	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000	%#	
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000	%#	
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000	%#	
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000	%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
6) Chloroethane	3.077	64	1303m	1.153	ug/l	
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1632m	1.009	ug/l	
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.030	43	3542m	0.747	ug/l	
19) Methyl tert-butyl Ether	5.789	73	4765m	0.966	ug/l	
20) Methylene Chloride	5.271	84	2130m	1.182	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l #	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l	81
43) Isopropyl Acetate	8.688	43	5905m	1.342	ug/l	
44) Trichloroethene	9.347	130	1685	0.984	ug/l	74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1327	1.052	ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031	ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946	ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470	ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578	ug/l	93
52) Toluene	10.624	92	3979	0.912	ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000	ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945	ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795	ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651	ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166	ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057	ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980	ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911	ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976	ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894	ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789	ug/l	91
69) o-Xylene	12.400	106	2514	0.897	ug/l	82
70) Styrene	12.406	104	3871	0.831	ug/l	99
71) Bromoform	12.576	173	1215	0.975	ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900	ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260	ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	1816m	1.093	ug/l	
77) Bromobenzene	12.982	156	1903	1.129	ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869	ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851	ug/l	98
82) 4-Chlorotoluene	13.223	91	5286	1.053	ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888	ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865	ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243	ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	4149m	1.223	ug/l	
89) n-Butylbenzene	14.053	91	4981	1.062	ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107	ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209	ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236	ug/l	80
95) Naphthalene	15.641	128	5242	1.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120	ug/l	94

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

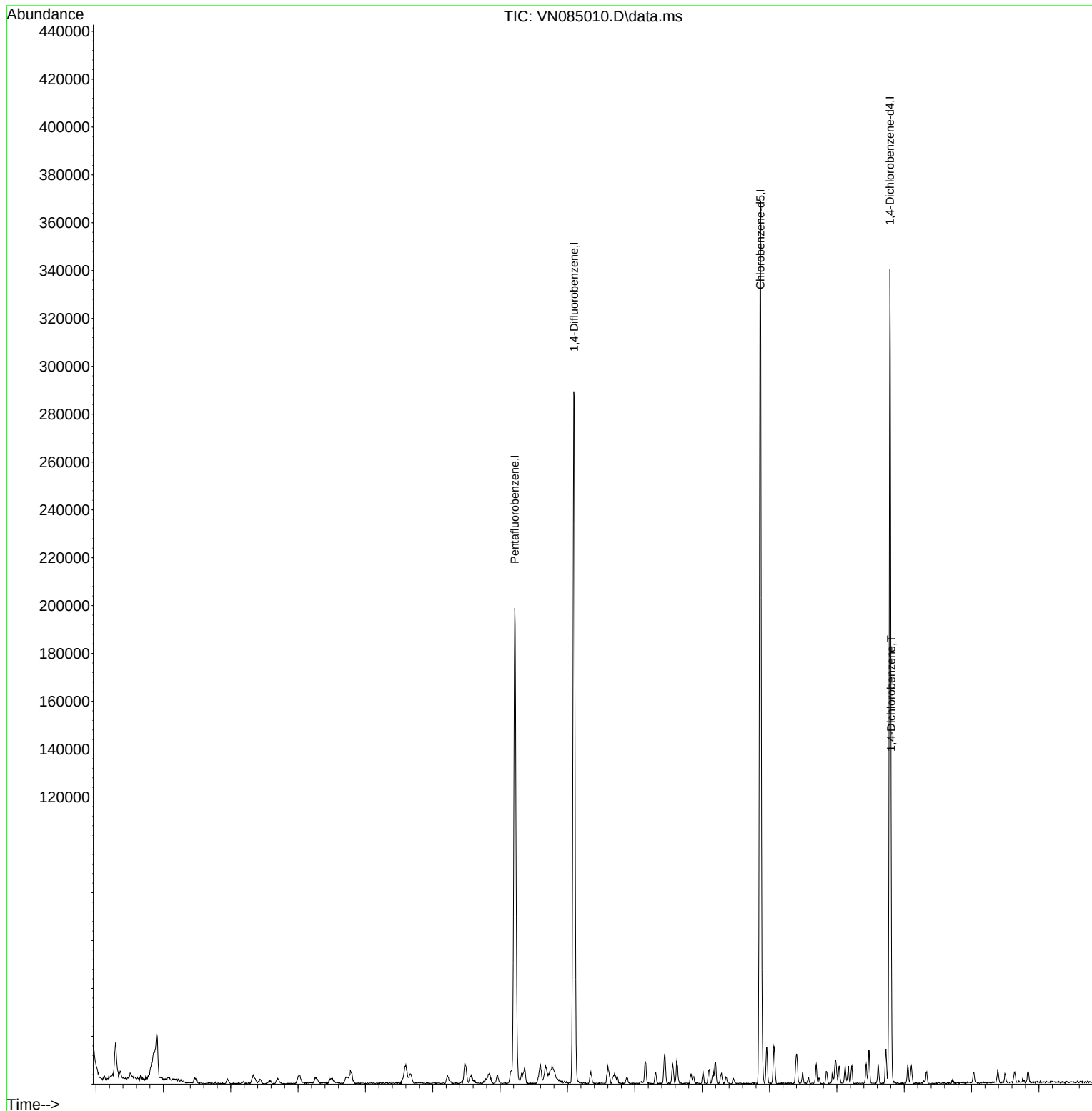
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

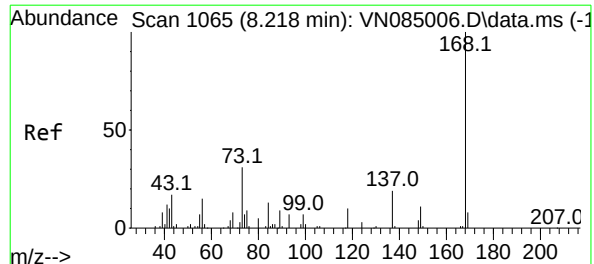
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration





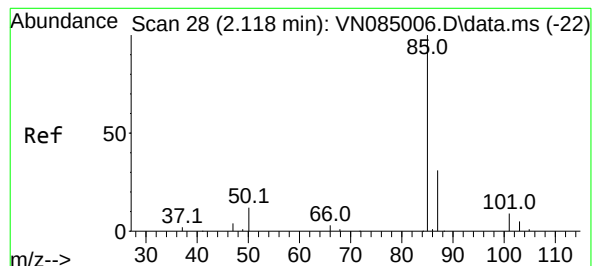
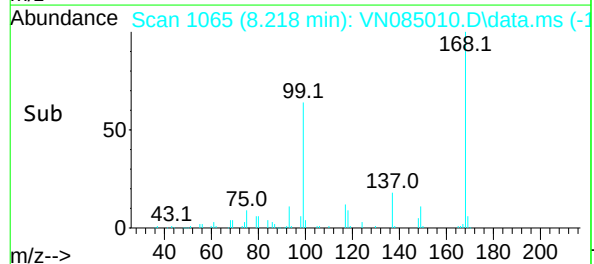
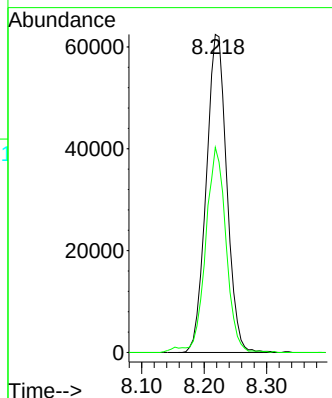
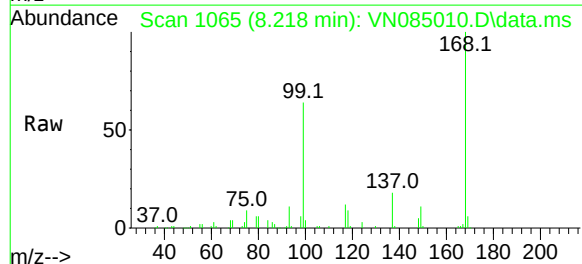
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:168 Resp: 142307
Ion Ratio Lower Upper
168 100
99 64.5 51.2 76.8

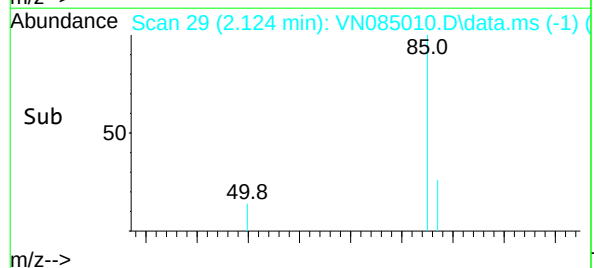
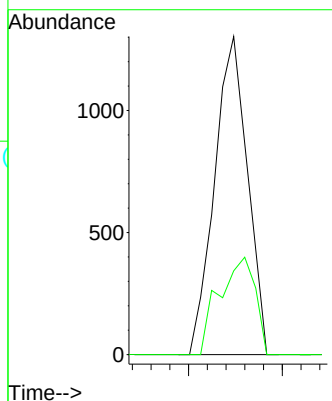
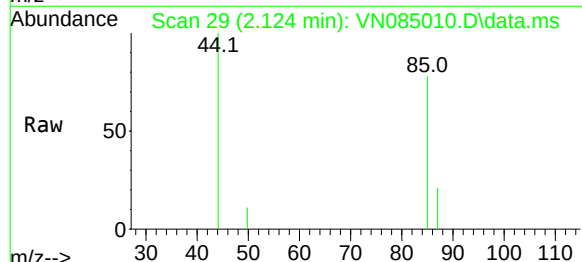
Manual Integrations
APPROVED

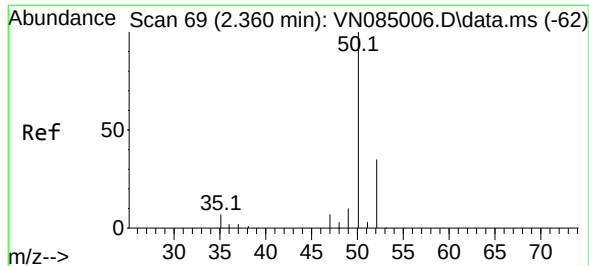
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589
Ion Ratio Lower Upper
85 100
87 26.3 15.7 47.1





#3

Chloromethane

Concen: 1.382 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 2580

Ion Ratio Lower Upper

50 100

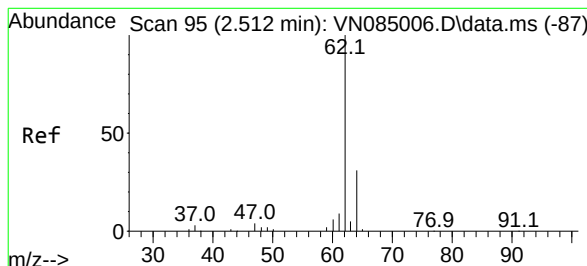
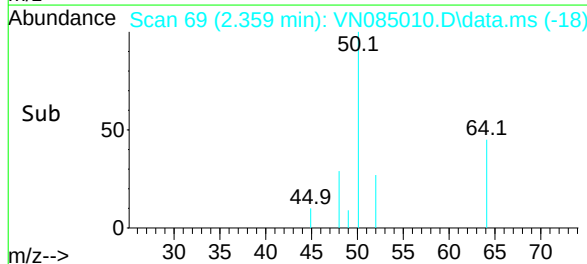
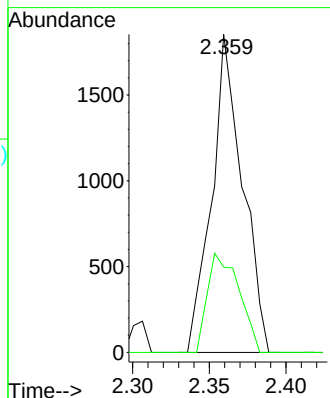
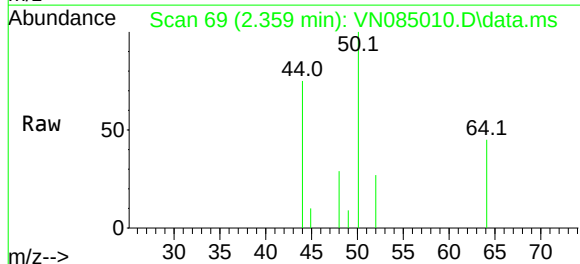
52 26.8 27.8 41.8#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 1.031 ug/l

RT: 2.518 min Scan# 96

Delta R.T. 0.006 min

Lab File: VN085010.D

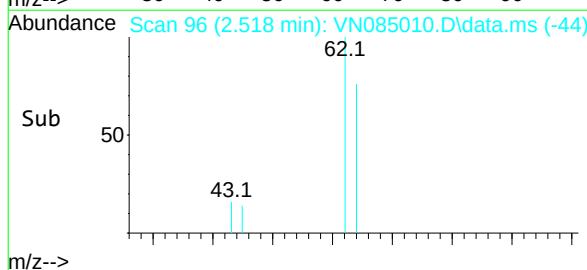
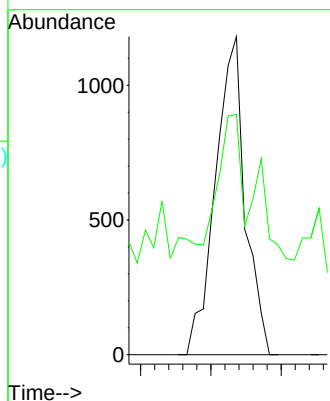
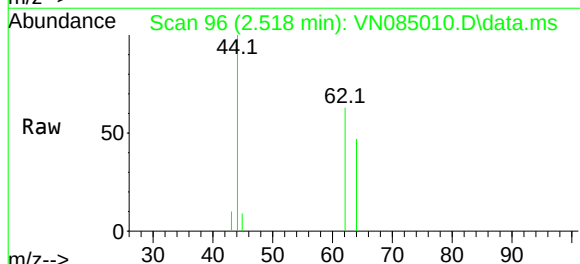
Acq: 22 Nov 2024 13:45

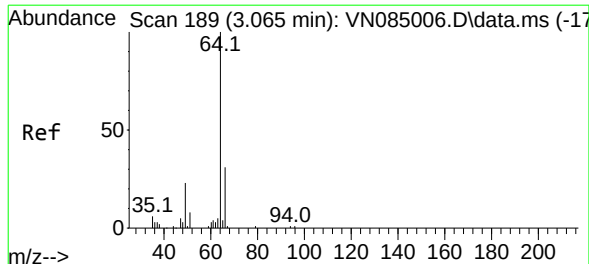
Tgt Ion: 62 Resp: 1730

Ion Ratio Lower Upper

62 100

64 40.9 24.6 36.8#





#6

Chloroethane

Concen: 1.153 ug/l m

RT: 3.077 min Scan# 19

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 1303

Ion Ratio Lower Upper

64 100

66 15.1 24.4 36.6#

Instrument :

MSVOA_N

ClientSampleId :

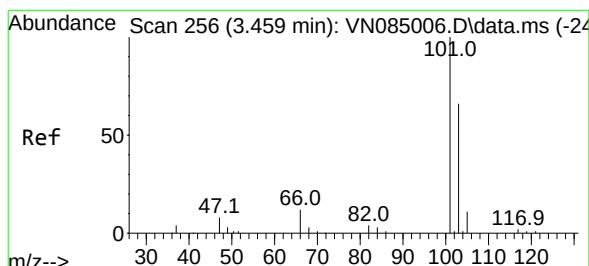
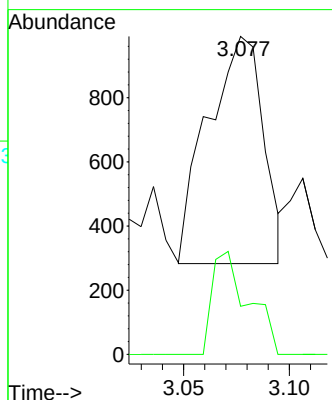
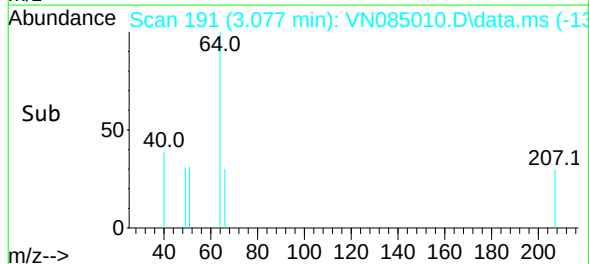
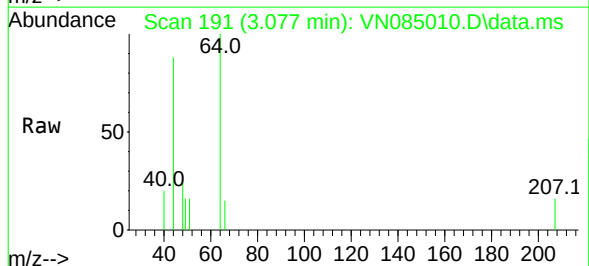
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#7

Trichlorofluoromethane

Concen: 1.034 ug/l

RT: 3.453 min Scan# 255

Delta R.T. -0.006 min

Lab File: VN085010.D

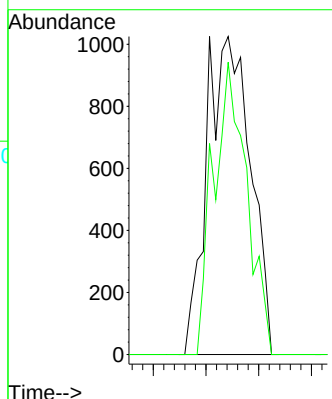
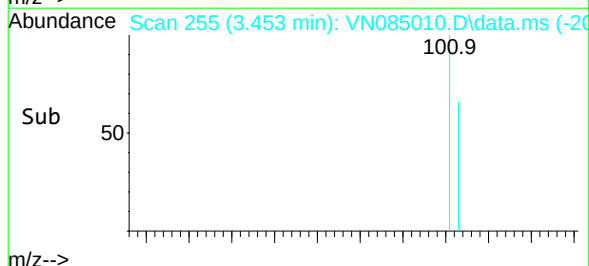
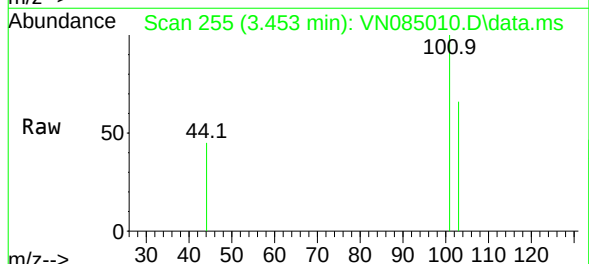
Acq: 22 Nov 2024 13:45

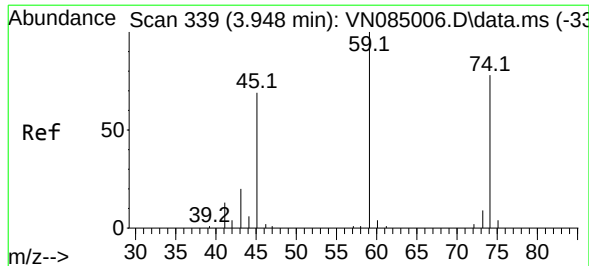
Tgt Ion:101 Resp: 2950

Ion Ratio Lower Upper

101 100

103 66.3 52.6 78.8





#8

Diethyl Ether

Concen: 0.925 ug/l

RT: 3.953 min Scan# 341

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 898

Ion Ratio Lower Upper

74 100

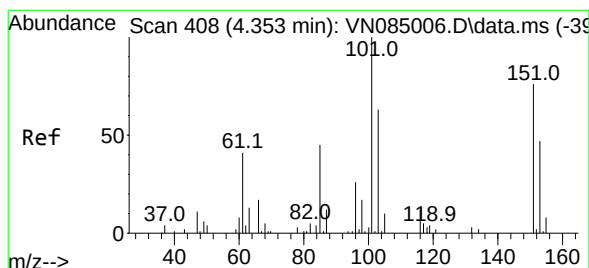
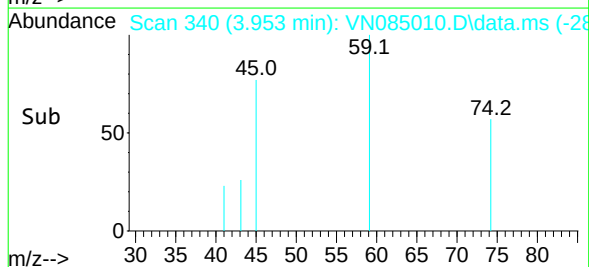
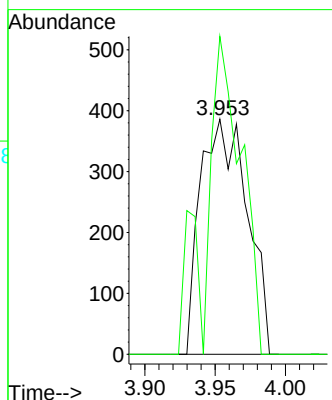
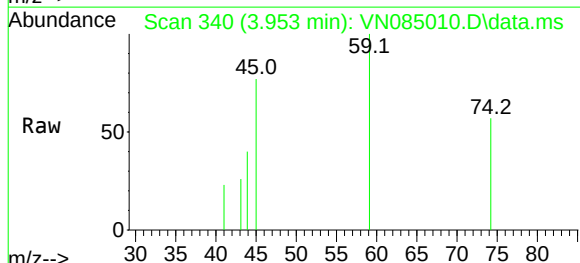
45 103.3 46.7 140.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.009 ug/l m

RT: 4.365 min Scan# 410

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

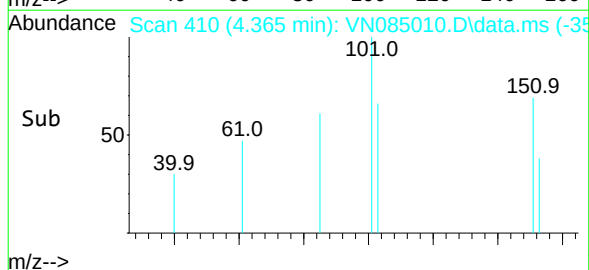
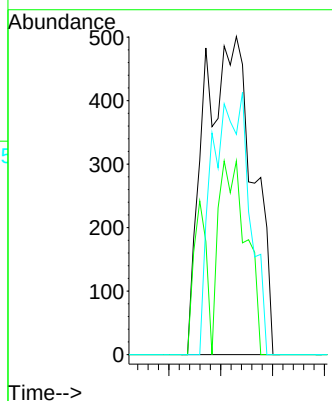
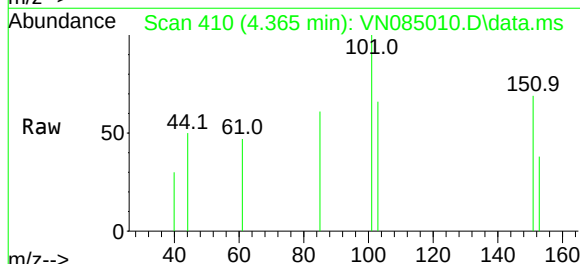
Tgt Ion:101 Resp: 1632

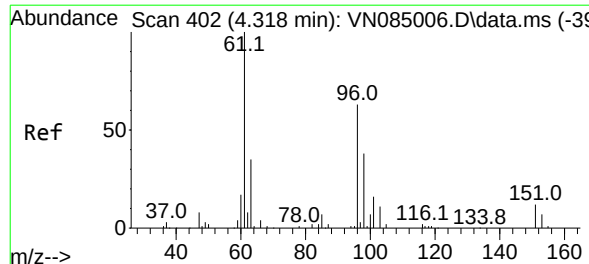
Ion Ratio Lower Upper

101 100

85 34.9 36.9 55.3#

151 62.9 60.8 91.2





#12

1,1-Dichloroethene

Concen: 1.000 ug/l

RT: 4.324 min Scan# 40

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 1511

Ion Ratio Lower Upper

96 100

61 90.6 127.8 191.8#

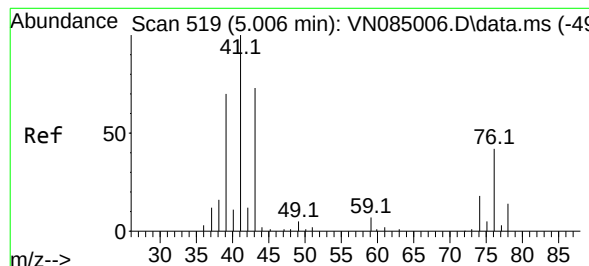
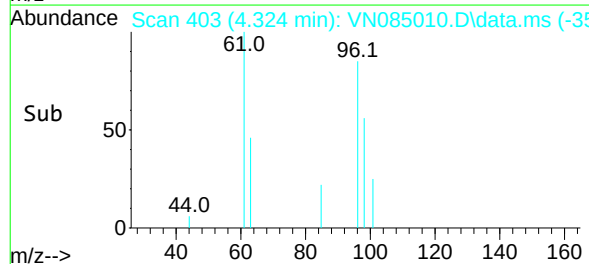
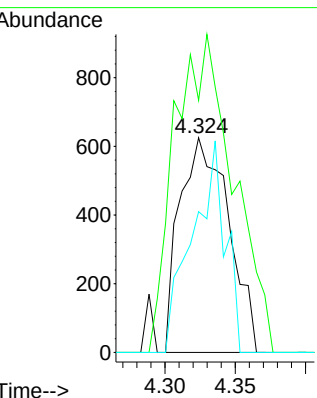
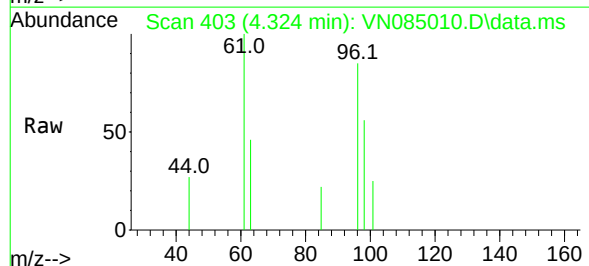
98 65.6 49.2 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 1.046 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

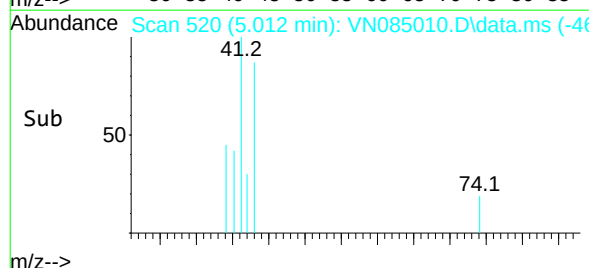
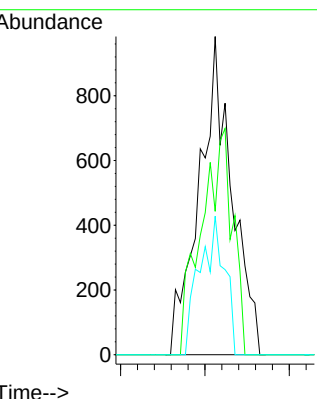
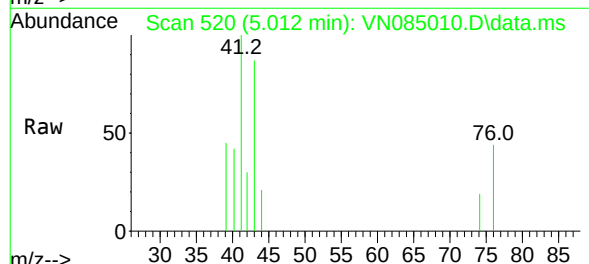
Tgt Ion: 41 Resp: 2663

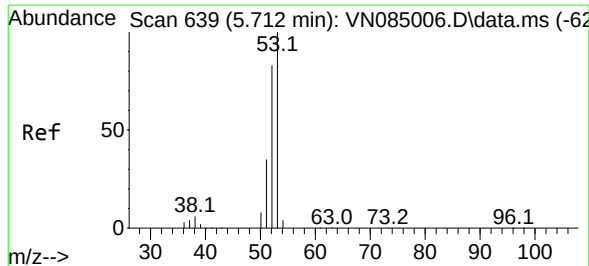
Ion Ratio Lower Upper

41 100

39 67.4 53.8 80.8

76 33.0 29.3 43.9





#15

Acrylonitrile

Concen: 5.625 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

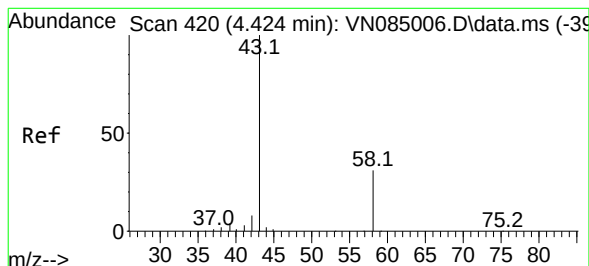
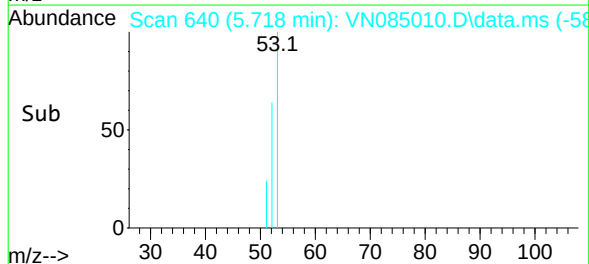
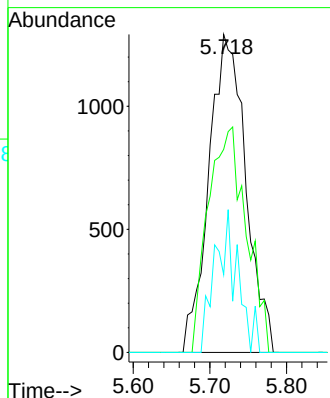
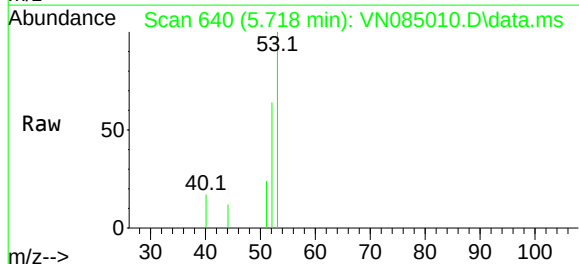
Tgt Ion:	53	Resp:	4314
Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.5	98.3
51	0.0	28.4	42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 5.036 ug/l

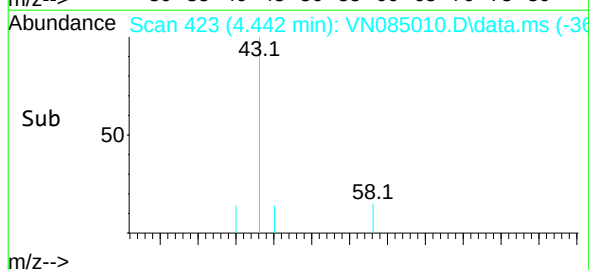
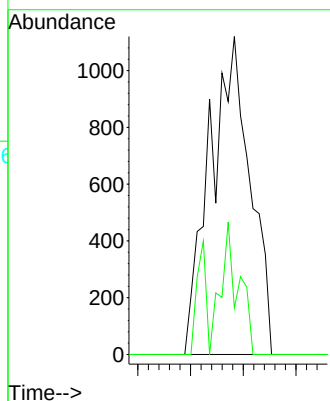
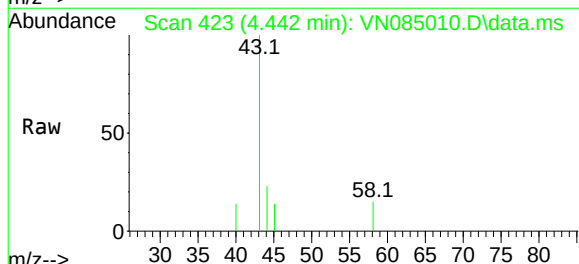
RT: 4.442 min Scan# 423

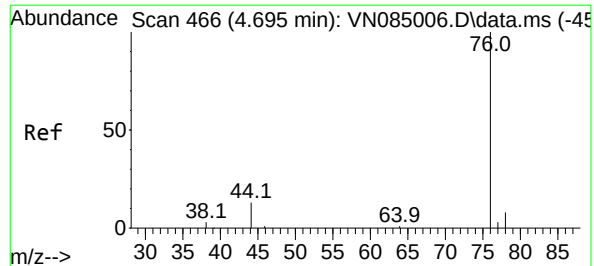
Delta R.T. 0.018 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	43	Resp:	2973
Ion	Ratio	Lower	Upper
43	100		
58	14.6	25.4	38.2





#17

Carbon Disulfide

Concen: 1.168 ug/l

RT: 4.694 min Scan# 466

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 5206

Ion Ratio Lower Upper

76 100

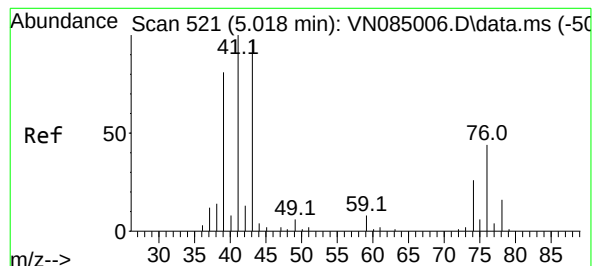
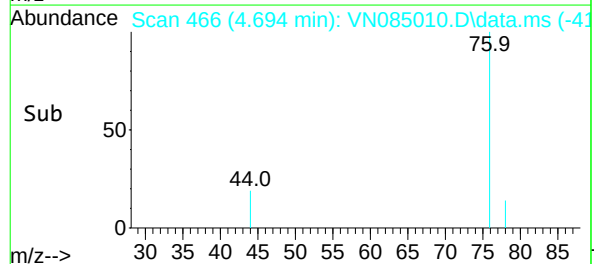
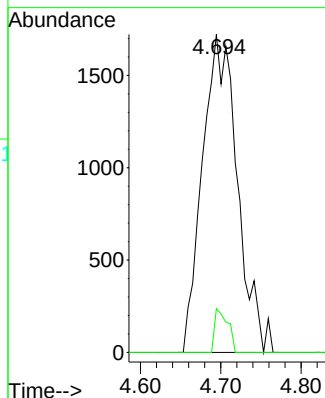
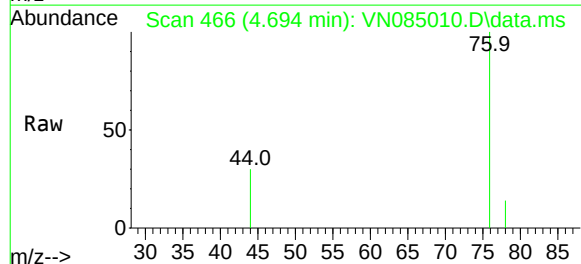
78 13.8 6.5 9.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 0.747 ug/l m

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN085010.D

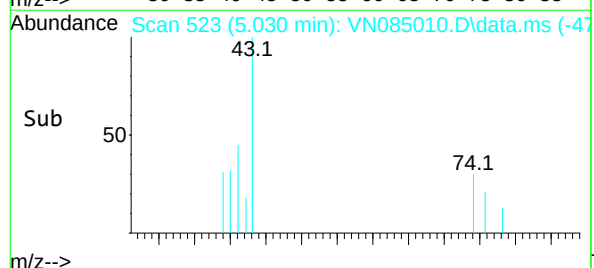
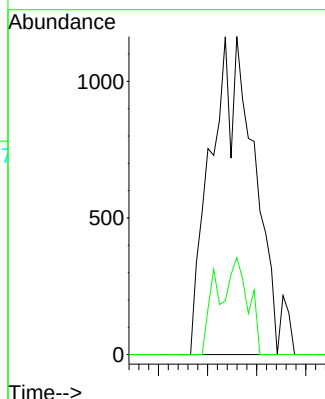
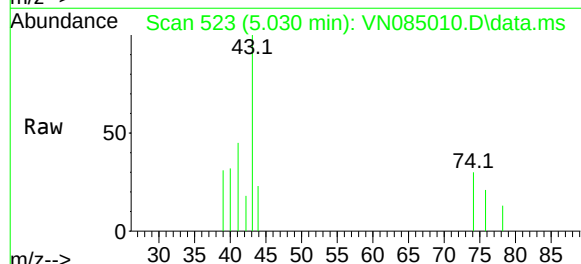
Acq: 22 Nov 2024 13:45

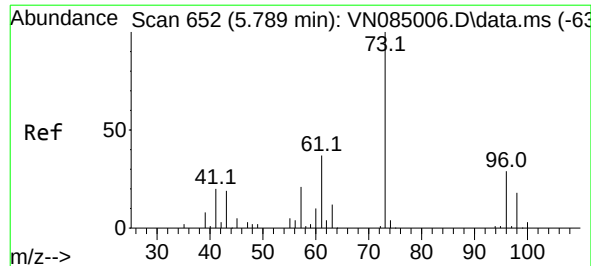
Tgt Ion: 43 Resp: 3542

Ion Ratio Lower Upper

43 100

74 13.1 20.1 30.1#





#19

Methyl tert-butyl Ether

Concen: 0.966 ug/l m

RT: 5.789 min Scan# 65

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 4765

Ion Ratio Lower Upper

73 100

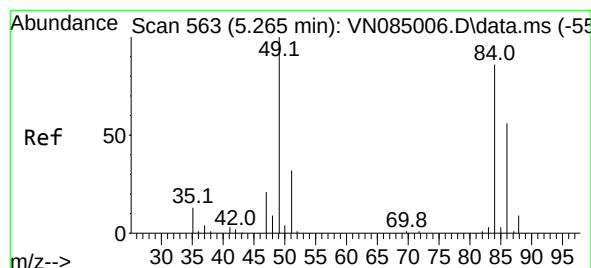
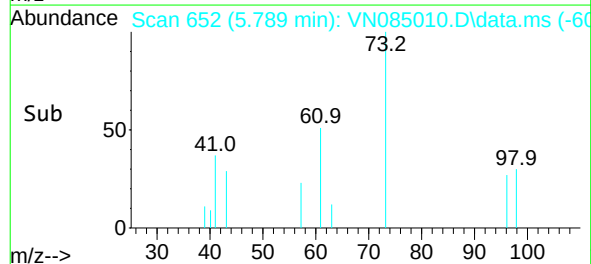
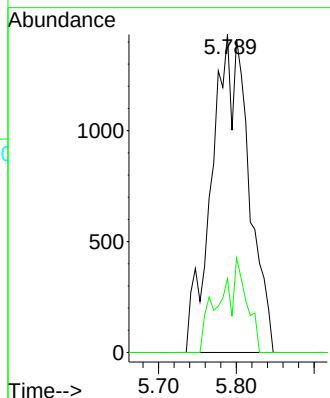
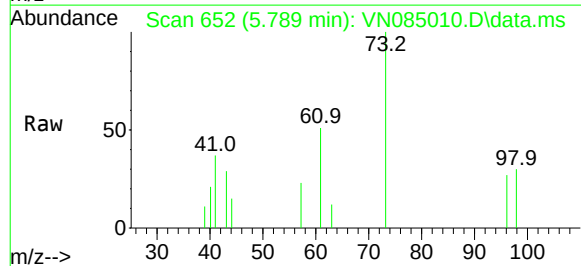
57 23.2 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 1.182 ug/l m

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 2130

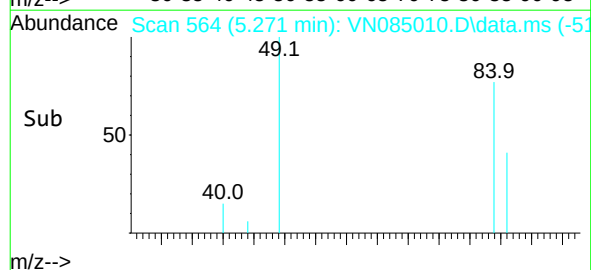
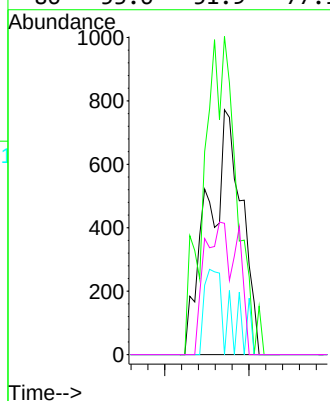
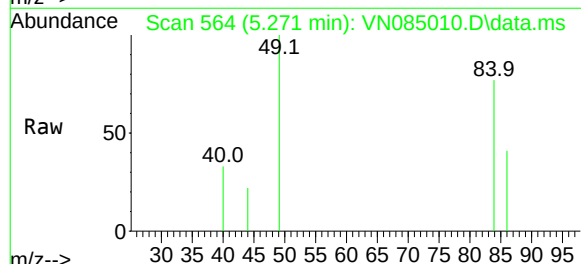
Ion Ratio Lower Upper

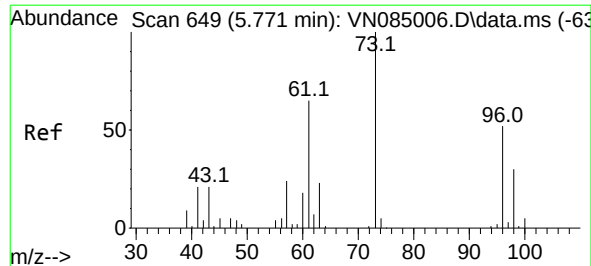
84 100

49 129.9 92.7 139.1

51 0.0 29.4 44.2#

86 53.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 1.022 ug/l

RT: 5.783 min Scan# 65

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 1624

Ion Ratio Lower Upper

96 100

61 122.6 100.7 151.1

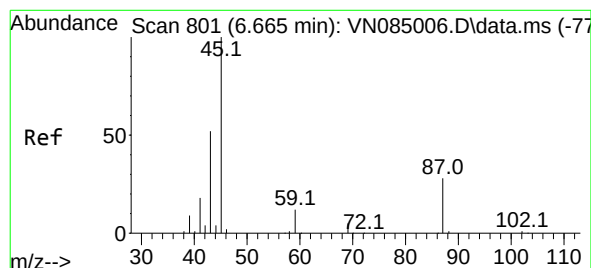
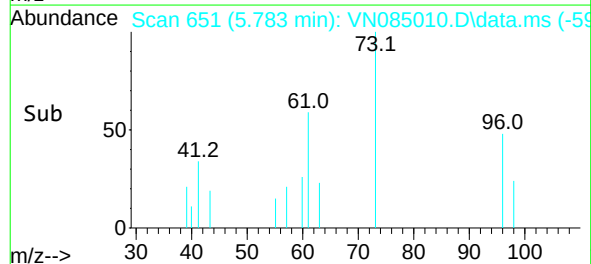
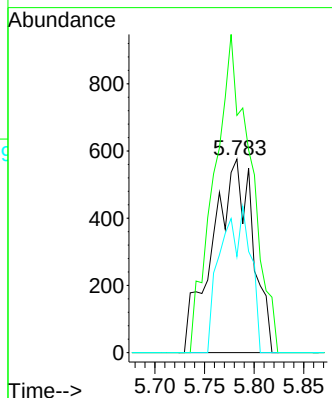
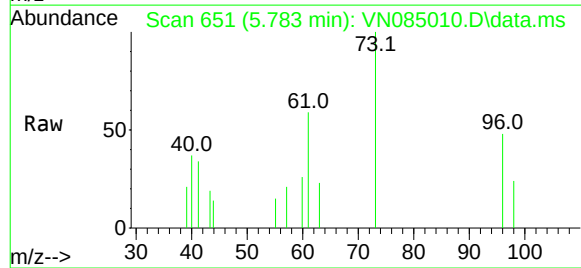
98 49.7 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 1.014 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194

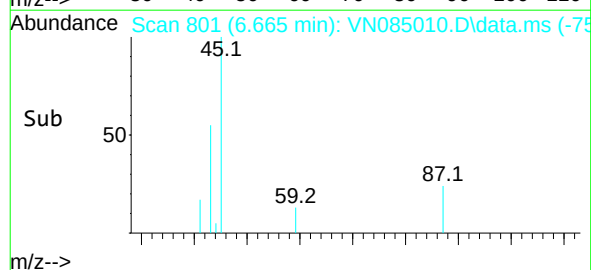
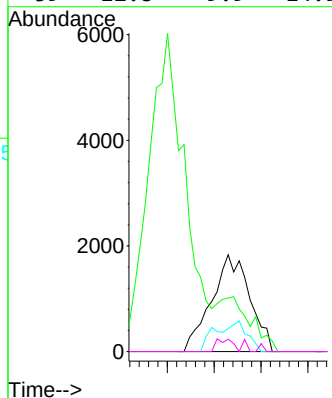
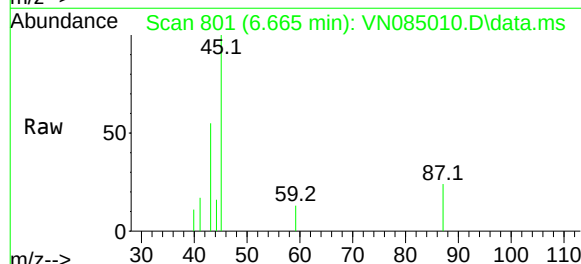
Ion Ratio Lower Upper

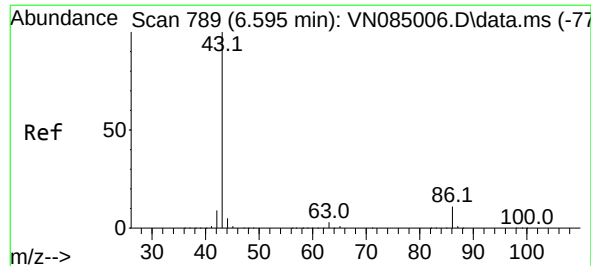
45 100

43 55.3 42.7 64.1

87 23.7 22.6 34.0

59 12.8 9.9 14.9





#23

Vinyl Acetate

Concen: 4.672 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 16519

Ion Ratio Lower Upper

43 100

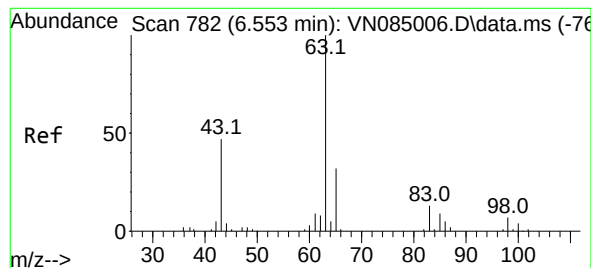
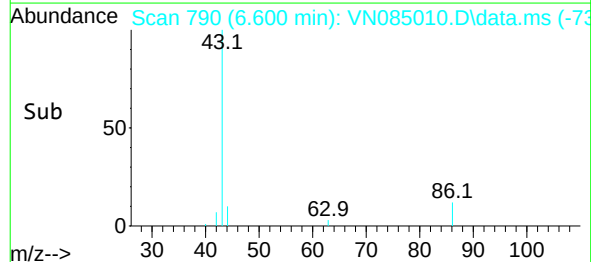
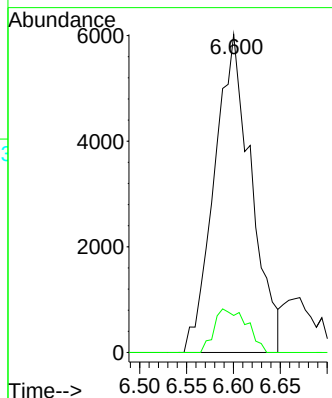
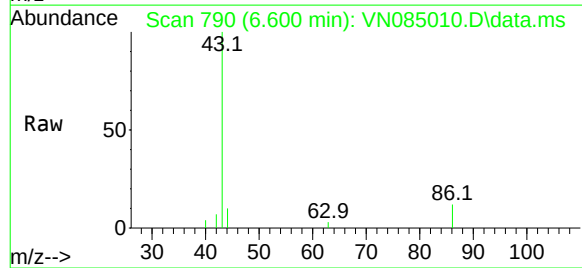
86 11.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 1.036 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

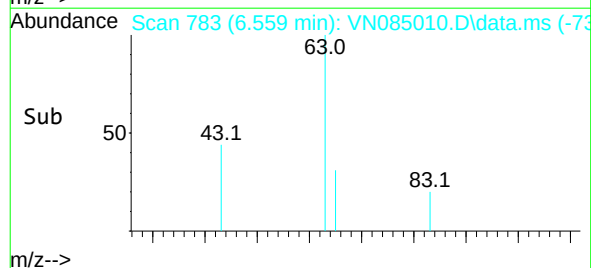
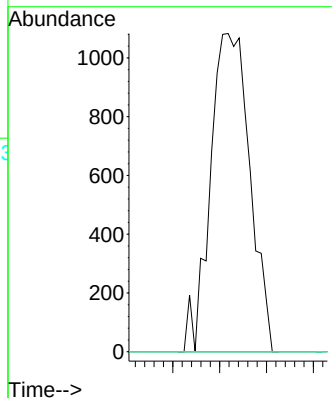
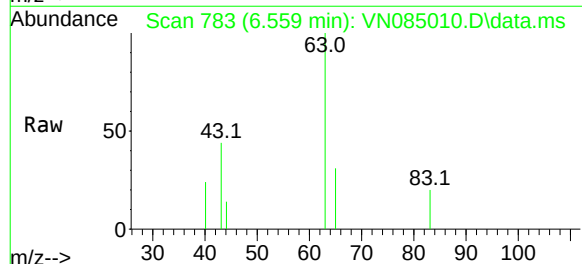
Tgt Ion: 63 Resp: 3177

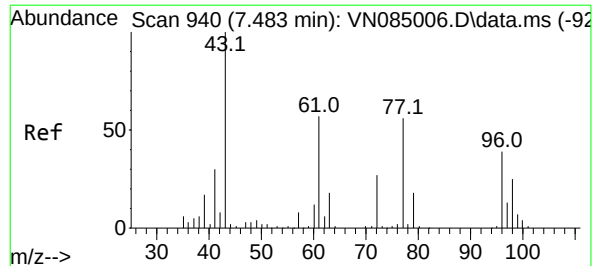
Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.2 6.6#





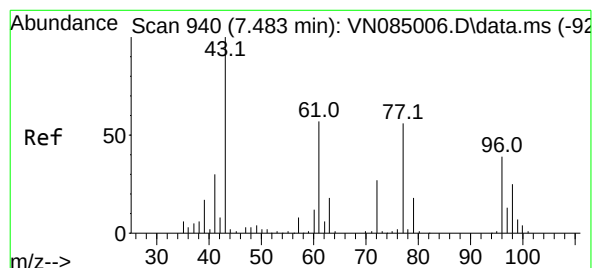
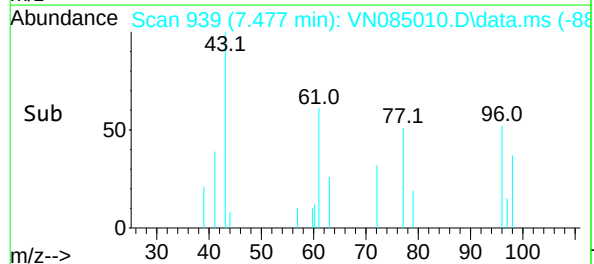
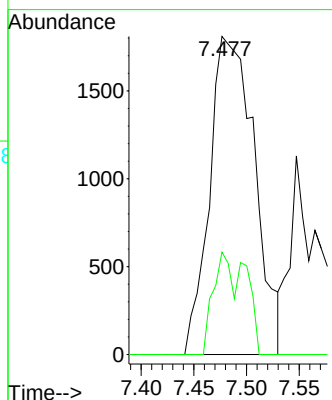
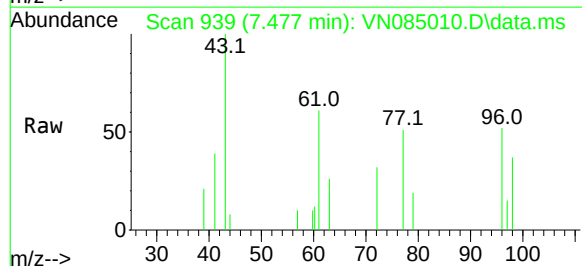
#25
2-Butanone
Concen: 5.556 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 5363
Ion Ratio Lower Upper
43 100
72 32.2 21.4 32.0#

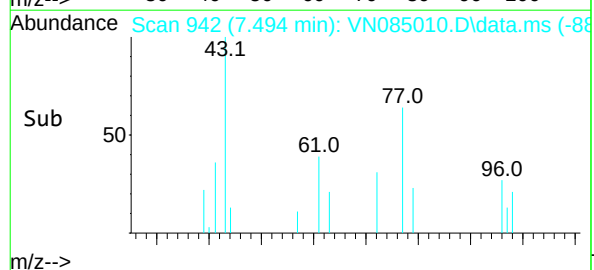
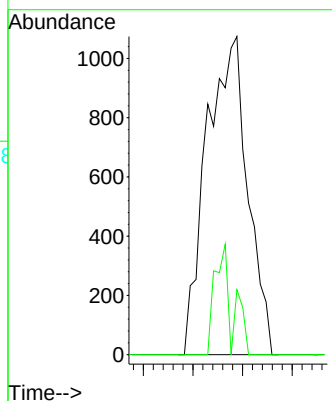
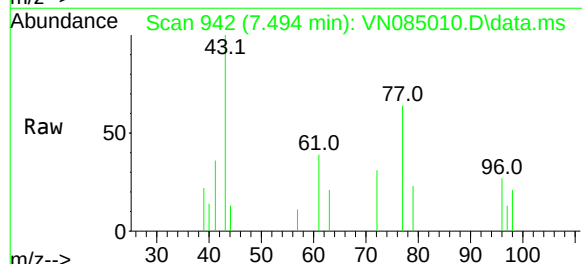
Manual Integrations
APPROVED

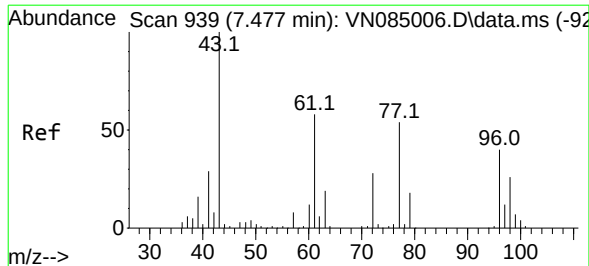
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#26
2,2-Dichloropropane
Concen: 1.077 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 77 Resp: 3083
Ion Ratio Lower Upper
77 100
97 15.0 10.9 32.7





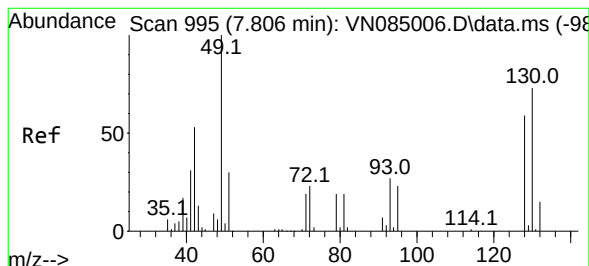
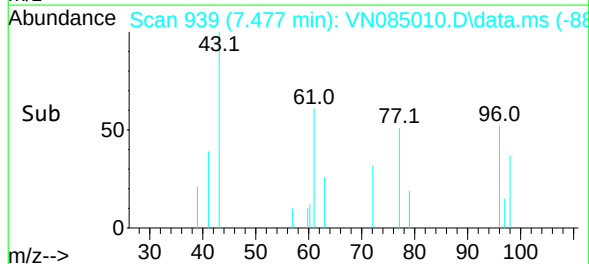
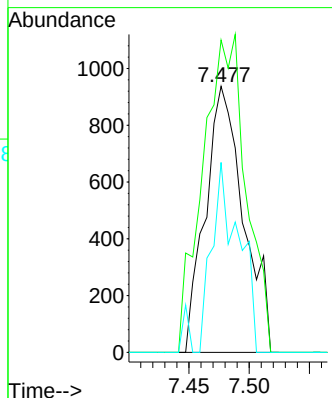
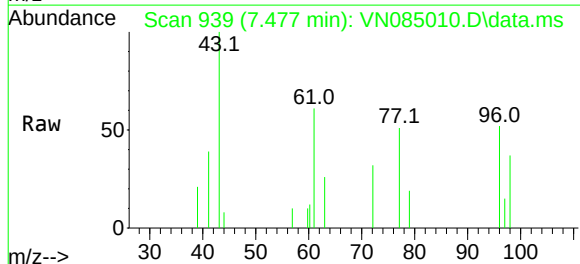
#27
cis-1,2-Dichloroethene
Concen: 1.082 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8

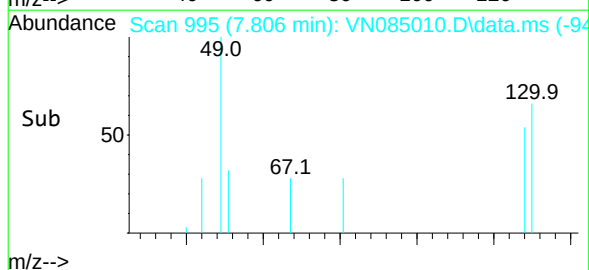
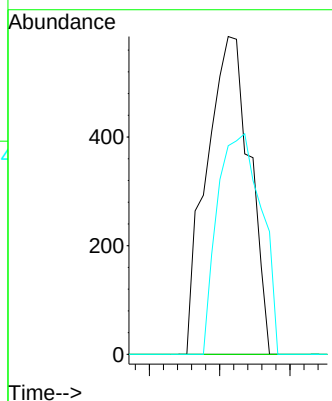
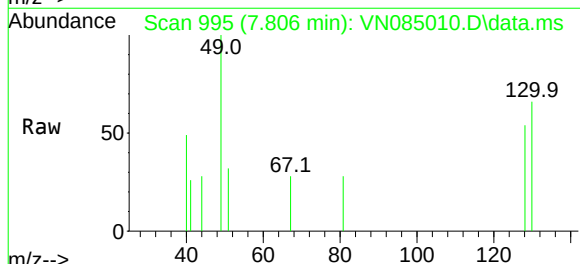
Manual Integrations
APPROVED

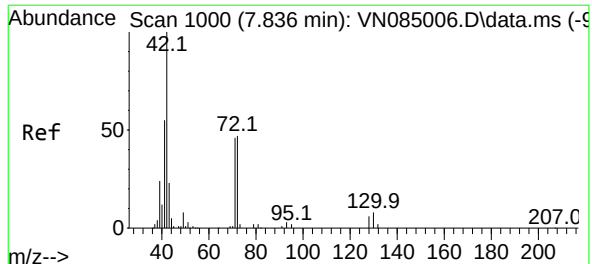
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#28
Bromochloromethane
Concen: 1.078 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8





#29

Tetrahydrofuran

Concen: 5.061 ug/l

RT: 7.835 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 42 Resp: 3038

Ion Ratio Lower Upper

42 100

72 40.1 37.0 55.4

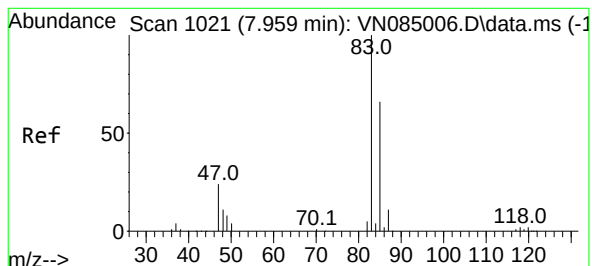
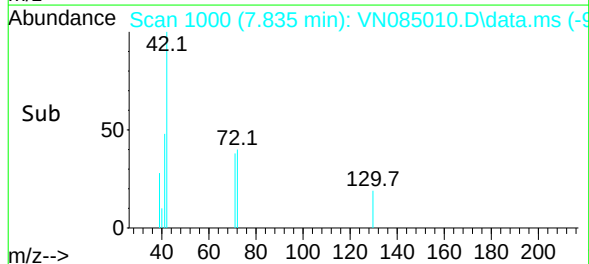
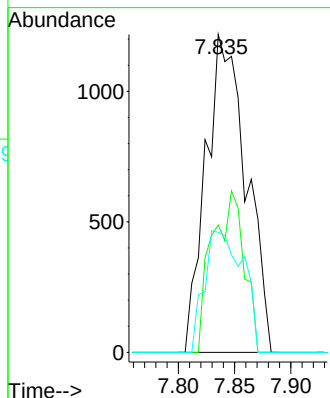
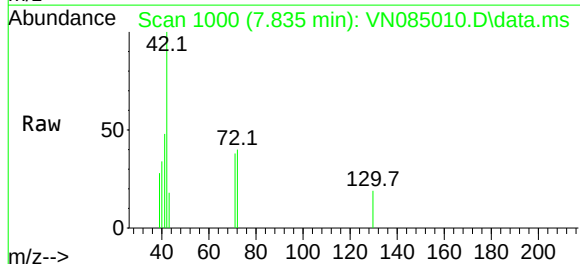
71 36.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 1.172 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085010.D

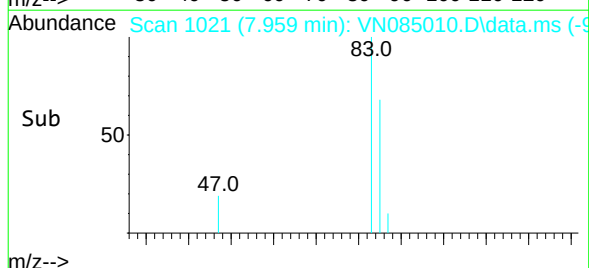
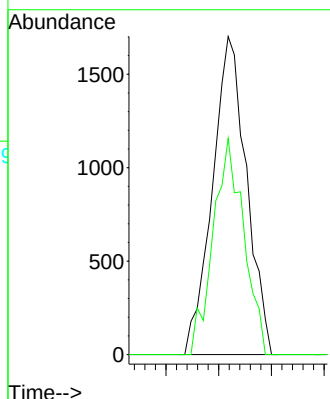
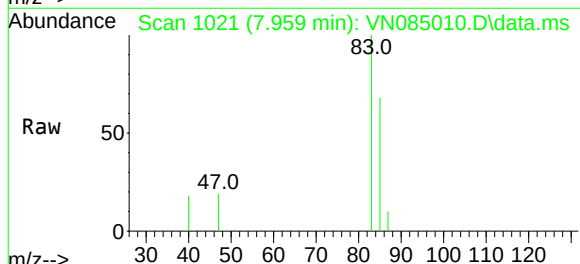
Acq: 22 Nov 2024 13:45

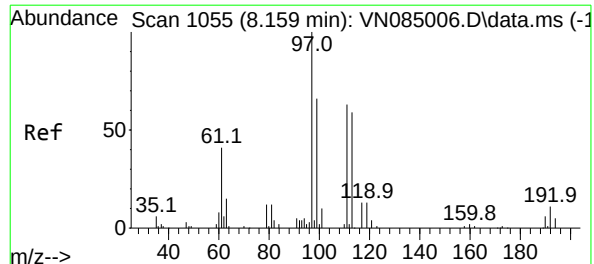
Tgt Ion: 83 Resp: 3824

Ion Ratio Lower Upper

83 100

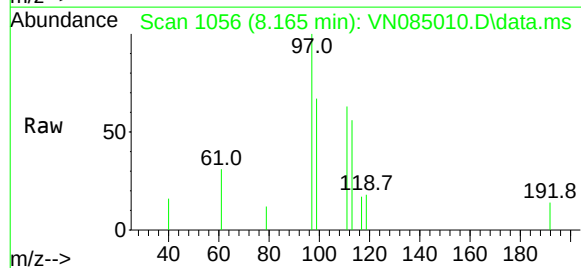
85 68.0 52.6 78.8





#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

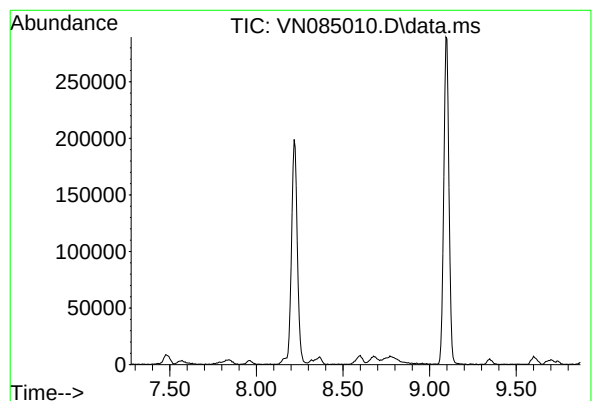
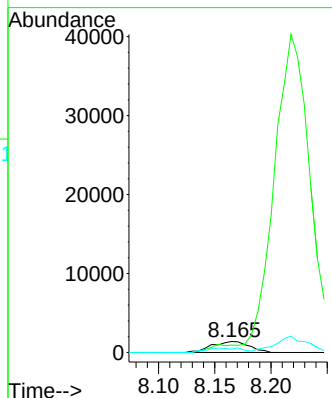
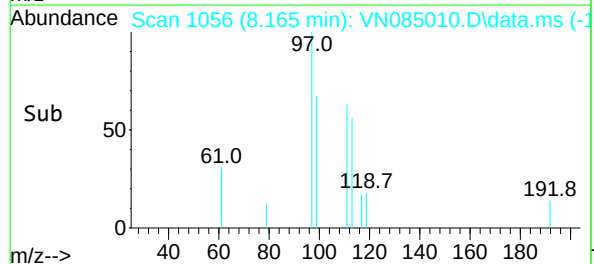
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 3231
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 38.6 36.2 54.2

Manual Integrations
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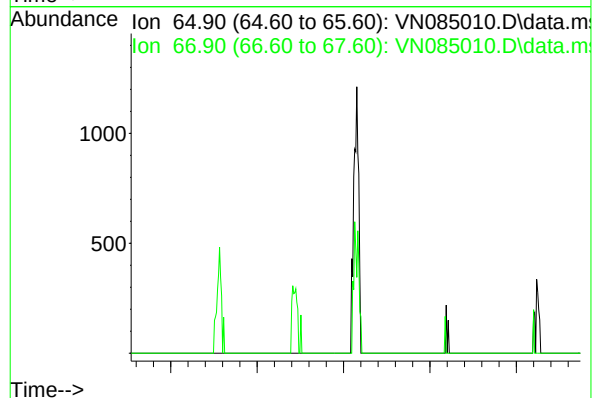
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

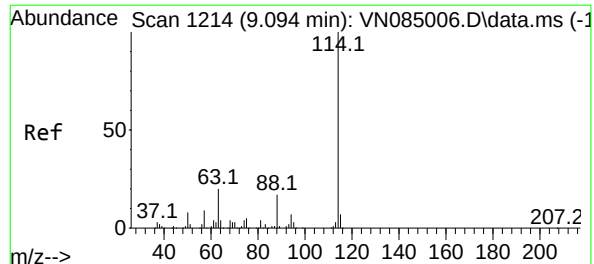


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 8.57 min

Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 65
Sig Exp Ratio
65 100
67 52.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 12

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 255159

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

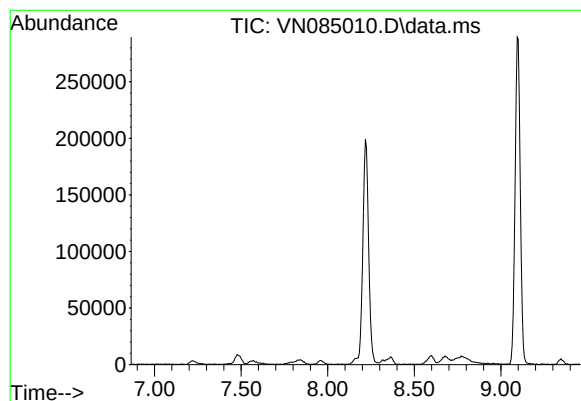
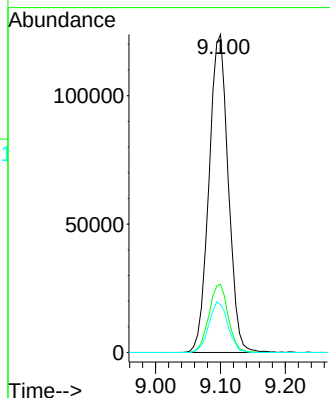
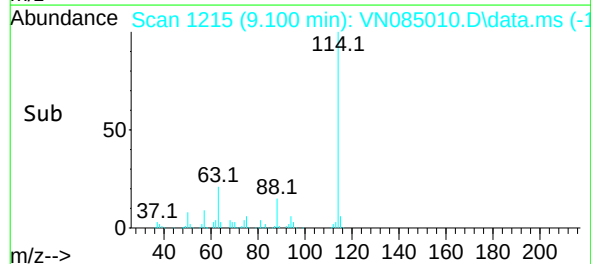
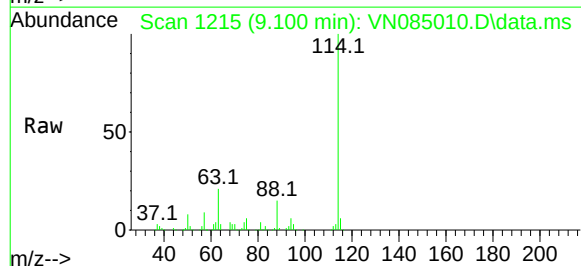
88 15.0 0.0 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.16 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

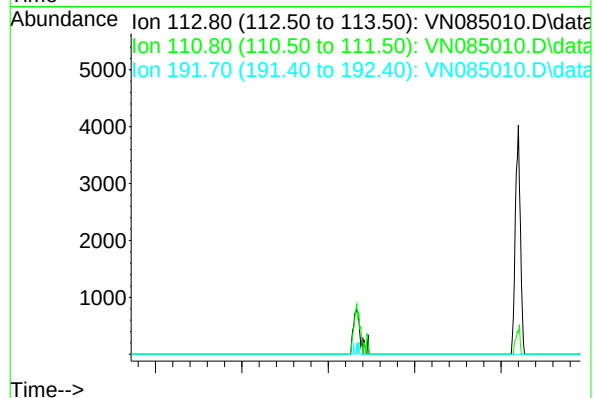
Tgt Ion: 113

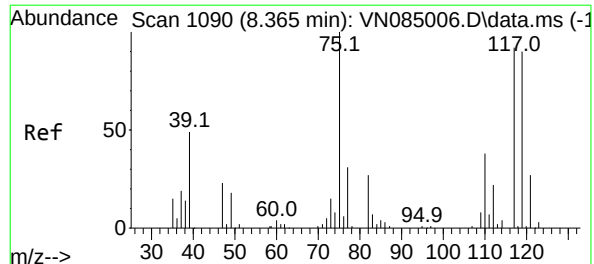
Sig Exp Ratio

113 100

111 102.5

192 18.5





#36

1,1-Dichloropropene

Concen: 0.989 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

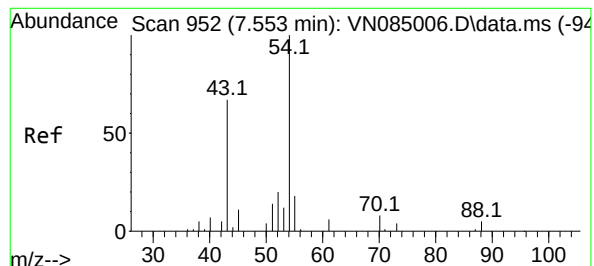
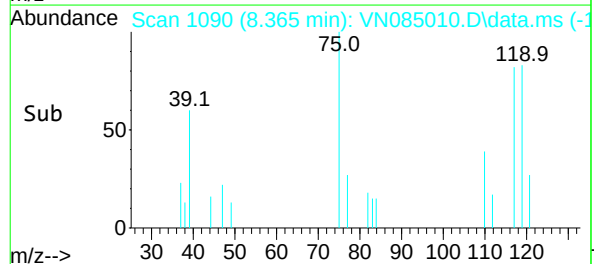
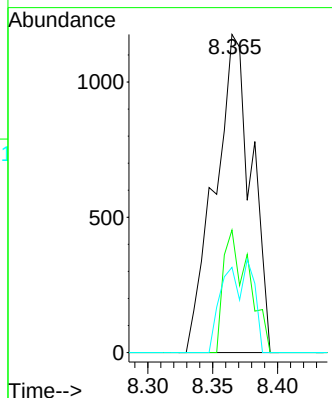
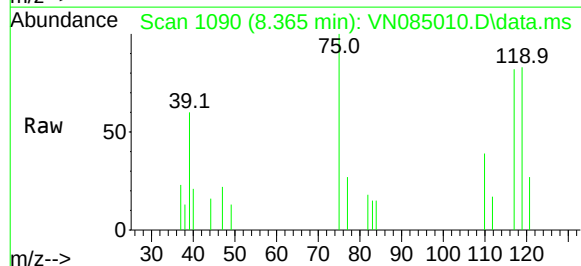
Tgt Ion:	75	Resp:	2304
Ion	Ratio	Lower	Upper
75	100		
110	26.6	17.2	51.6
77	23.8	24.2	36.4#

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#37

Ethyl Acetate

Concen: 0.992 ug/l

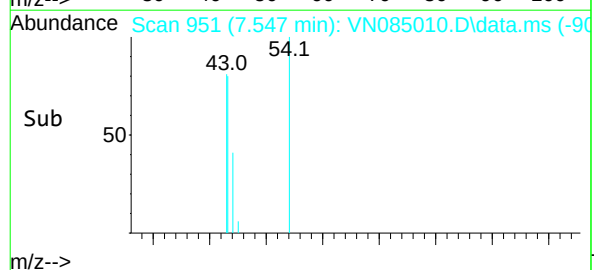
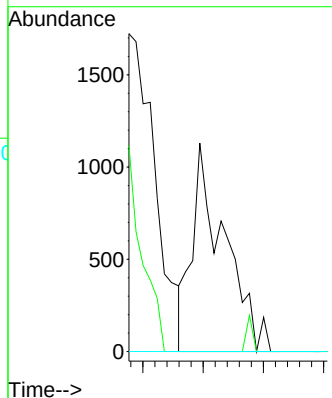
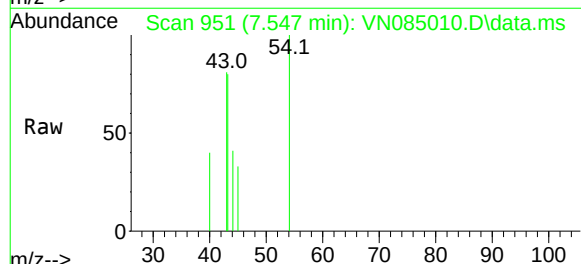
RT: 7.547 min Scan# 951

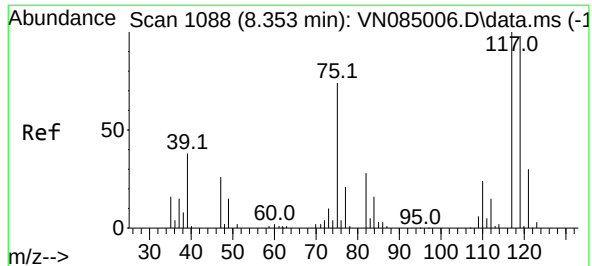
Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	43	Resp:	2101
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 0.949 ug/l

RT: 8.359 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 2554

Ion Ratio Lower Upper

117 100

119 90.7 78.6 117.8

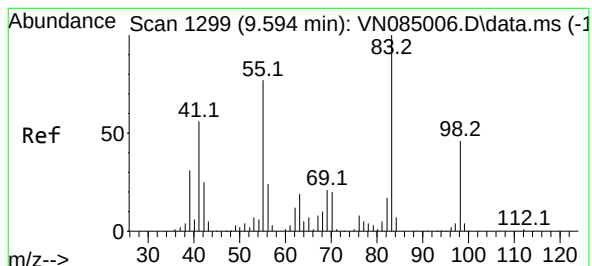
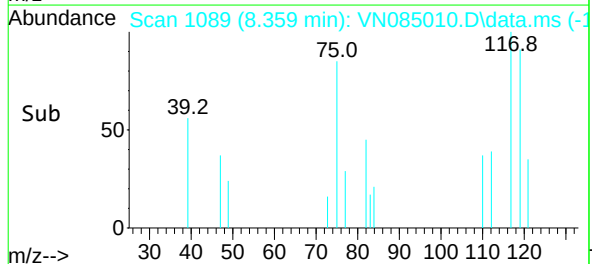
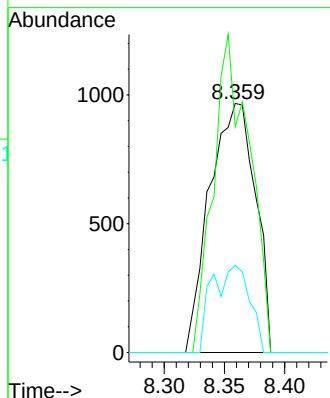
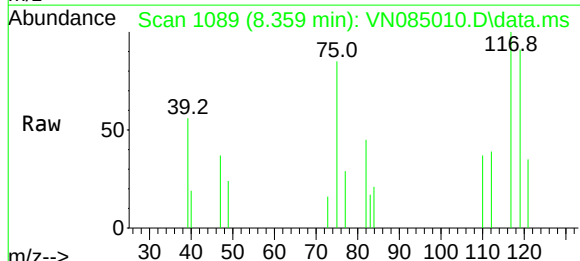
121 35.1 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#39

Methylcyclohexane

Concen: 0.804 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

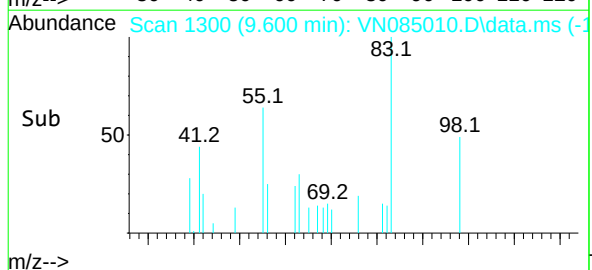
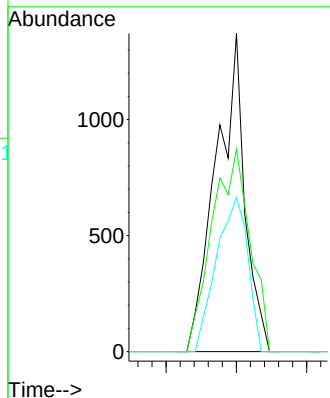
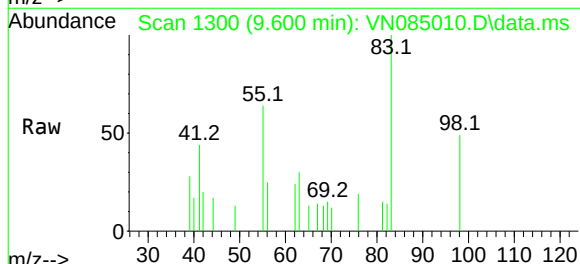
Tgt Ion: 83 Resp: 1948

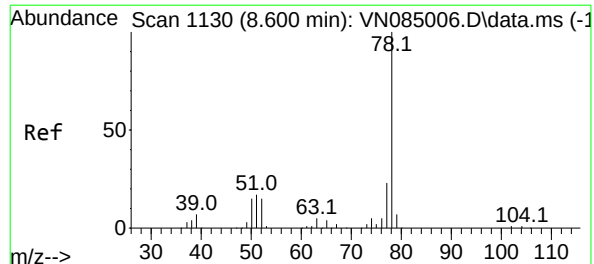
Ion Ratio Lower Upper

83 100

55 63.7 61.8 92.6

98 48.5 37.0 55.6





#40

Benzene

Concen: 1.012 ug/l

RT: 8.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 7459

Ion Ratio Lower Upper

78 100

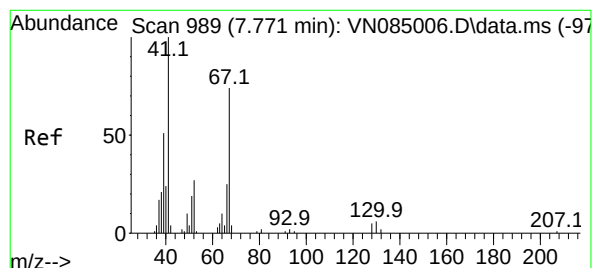
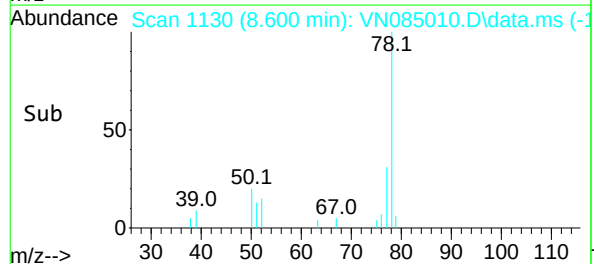
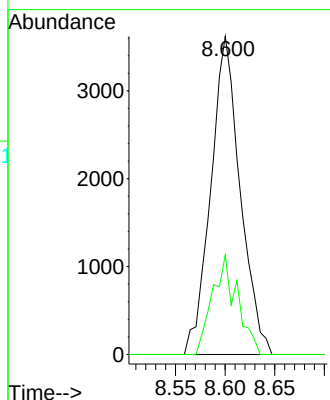
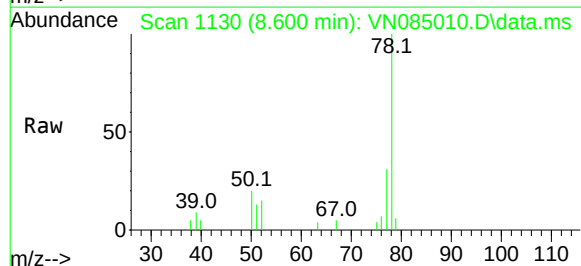
77 31.3 18.5 27.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#41

Methacrylonitrile

Concen: 1.077 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1263

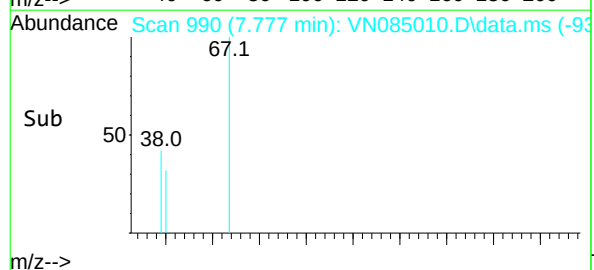
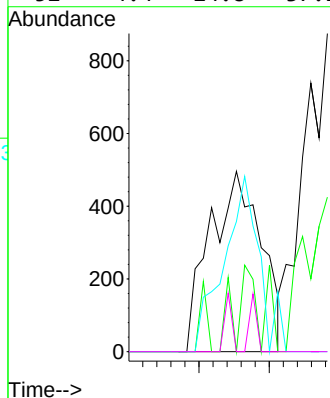
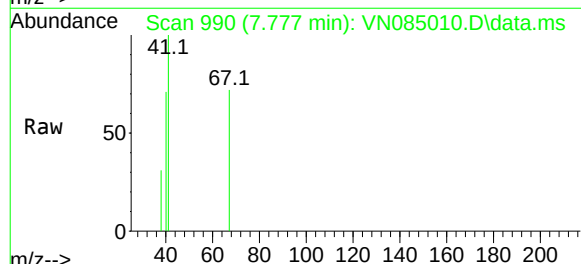
Ion Ratio Lower Upper

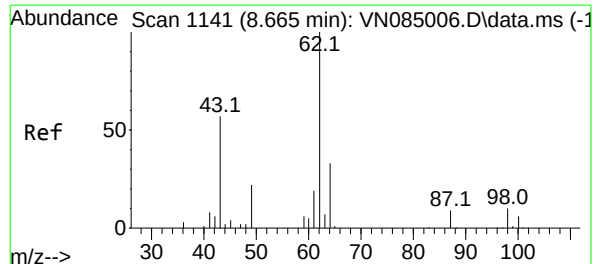
41 100

39 17.9 42.6 63.8#

67 67.1 59.9 89.9

52 4.4 24.8 37.2#





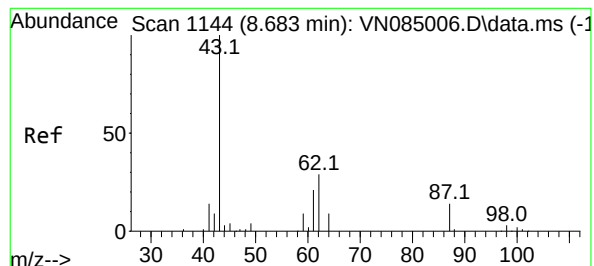
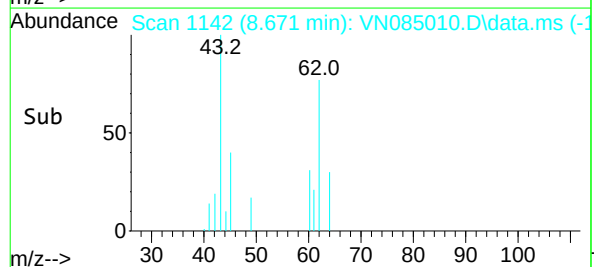
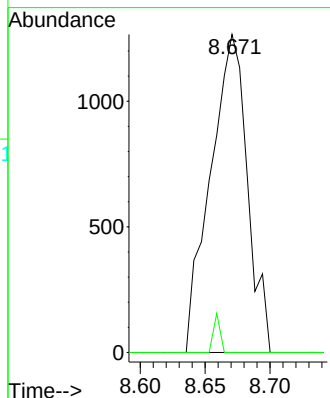
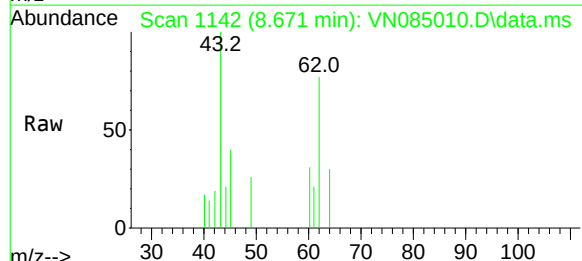
#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 1141
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 2512
Ion Ratio Lower Upper
62 100
98 2.2 0.0 18.2

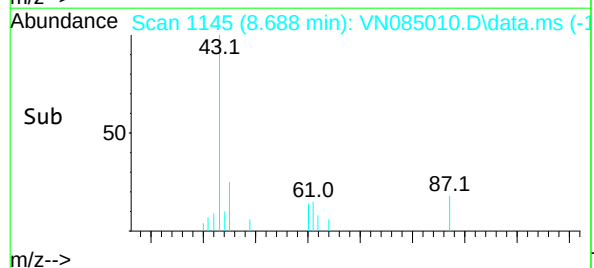
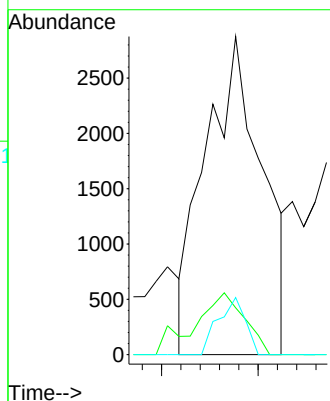
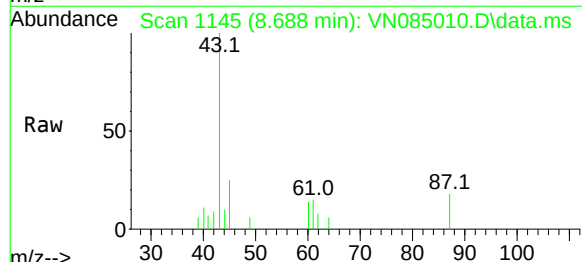
Manual Integrations
APPROVED

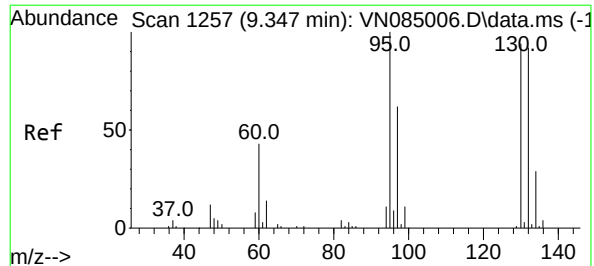
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#43
Isopropyl Acetate
Concen: 1.342 ug/l m
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

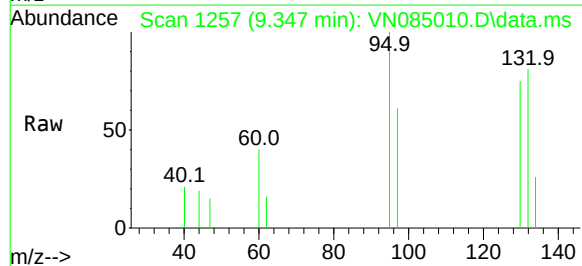
Tgt Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
61 17.0 20.6 30.8#
87 8.6 11.0 16.4#





#44
Trichloroethene
Concen: 0.984 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

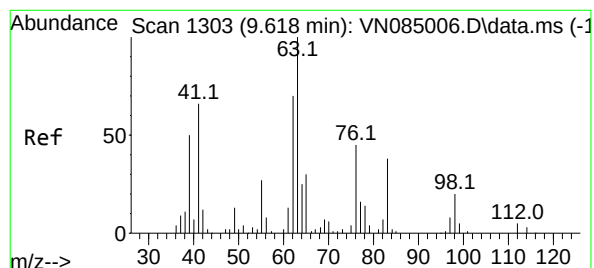
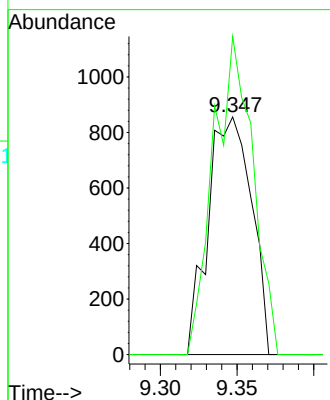
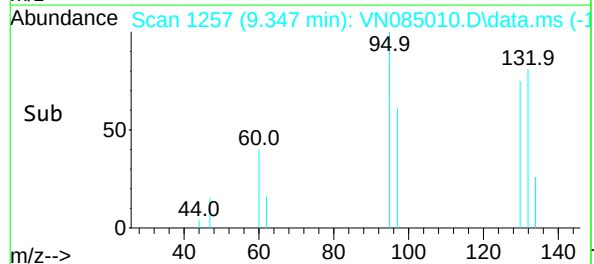
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion: 130 Resp: 1685
Ion Ratio Lower Upper
130 100
95 133.9 0.0 213.4

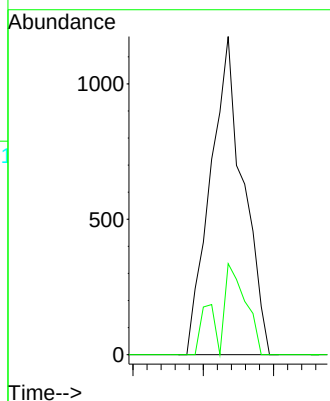
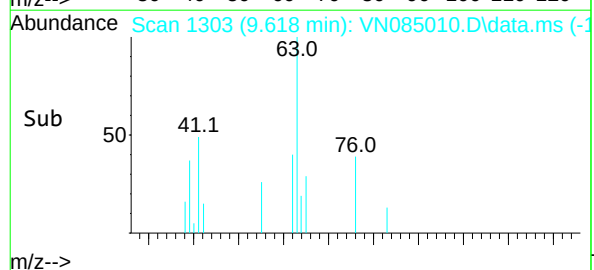
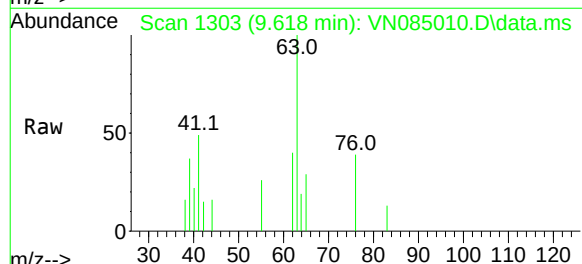
Manual Integrations
APPROVED

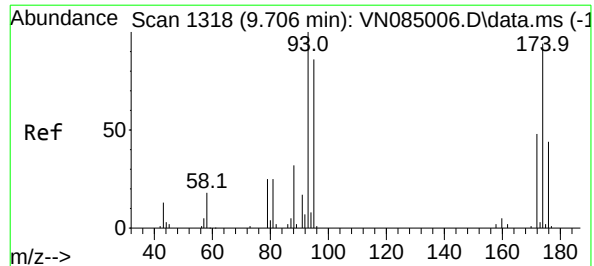
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 1911
Ion Ratio Lower Upper
63 100
65 28.6 24.0 36.0





#46

Dibromomethane

Concen: 1.052 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 1327

Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

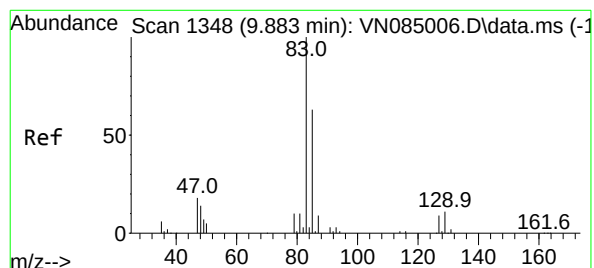
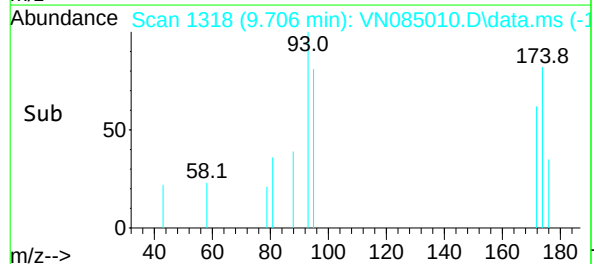
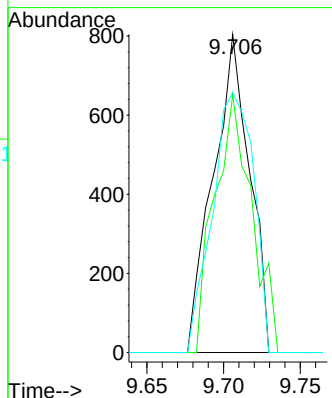
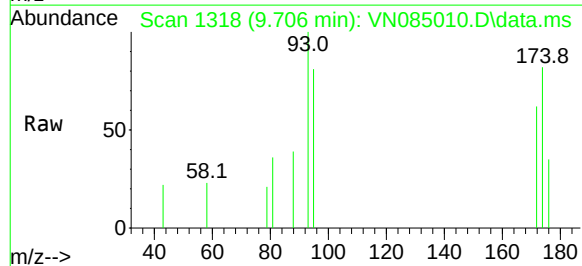
174 92.9 74.9 112.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#47

Bromodichloromethane

Concen: 1.031 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

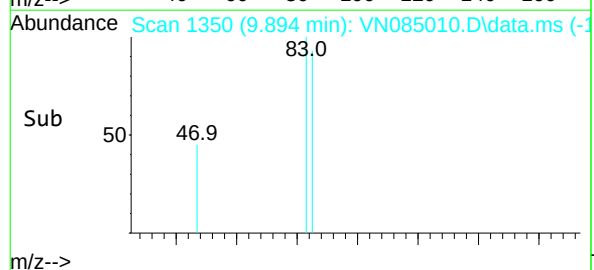
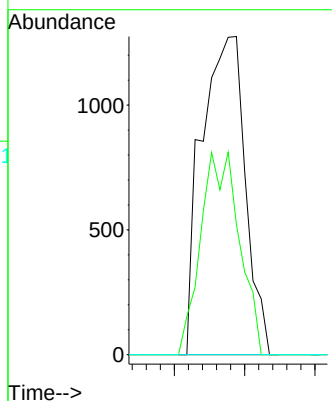
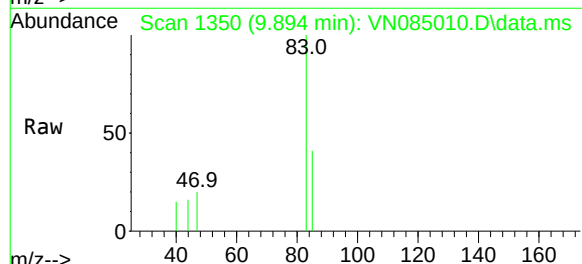
Tgt Ion: 83 Resp: 2757

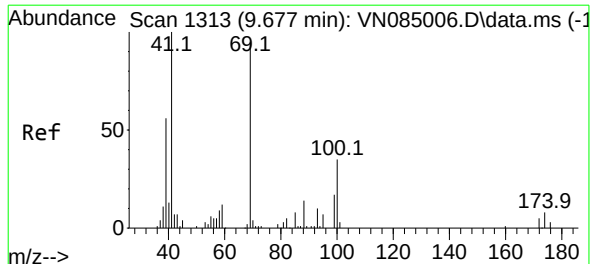
Ion Ratio Lower Upper

83 100

85 40.9 50.5 75.7#

127 0.0 7.1 10.7#





#48

Methyl methacrylate

Concen: 0.946 ug/l

RT: 9.682 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 1550

Ion Ratio Lower Upper

41 100

69 79.2 73.2 109.8

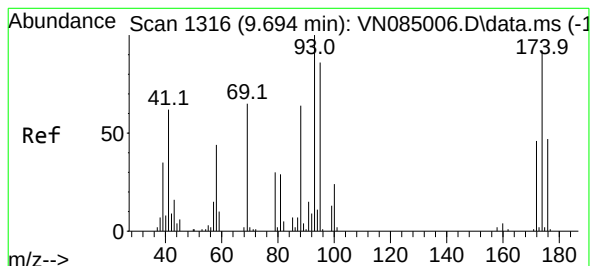
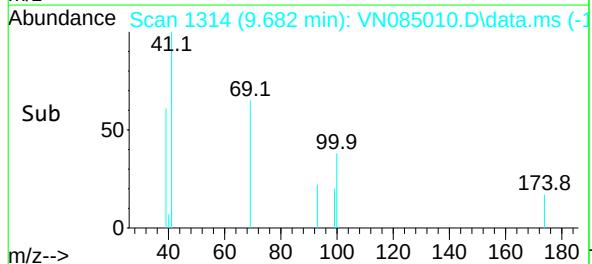
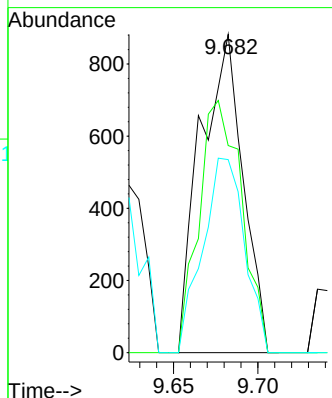
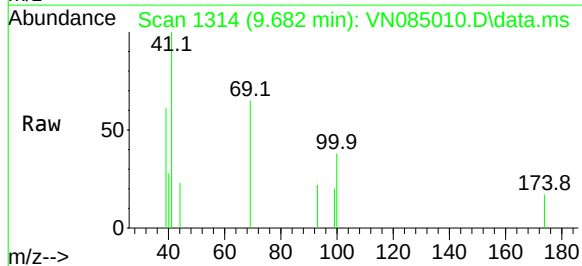
39 60.1 46.2 69.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#49

1,4-Dioxane

Concen: 19.470 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

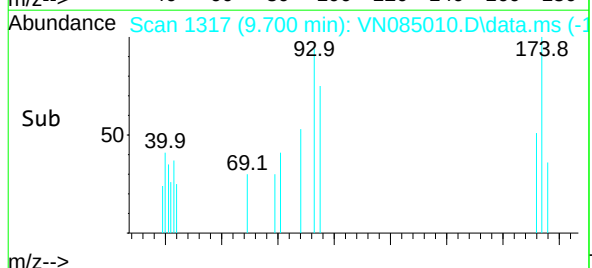
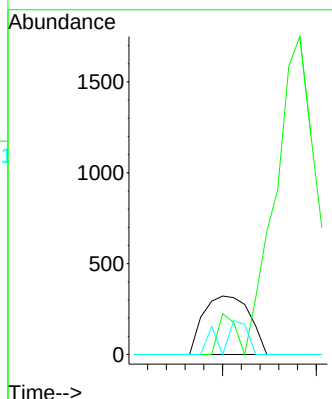
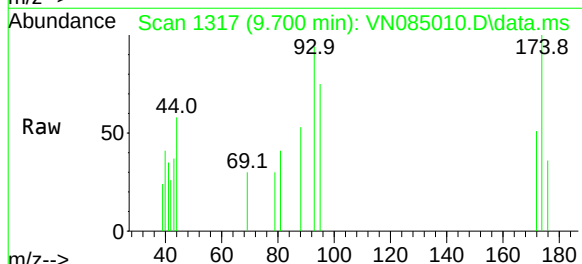
Tgt Ion: 88 Resp: 553

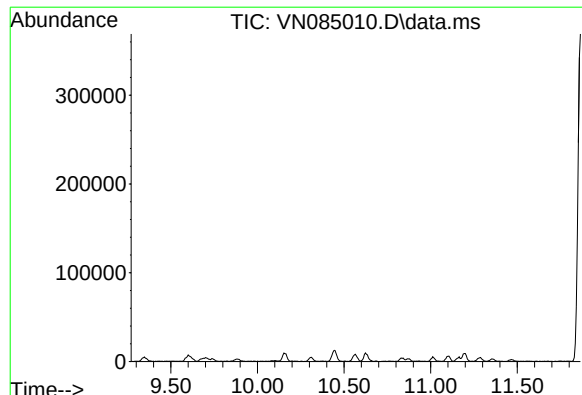
Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 32.4 56.5 84.7#





#50

Toluene-d8

Concen: 0.000 ug/l

Expected RT: 10.56 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 98

Sig Exp Ratio

98 100

100 65.6

Instrument :

MSVOA_N

ClientSampleId :

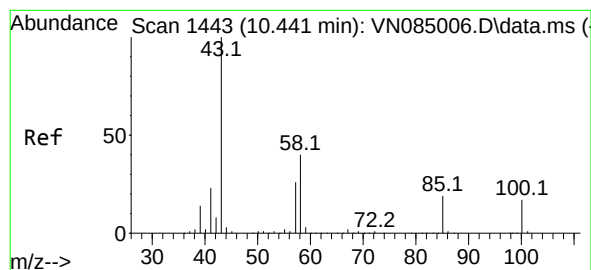
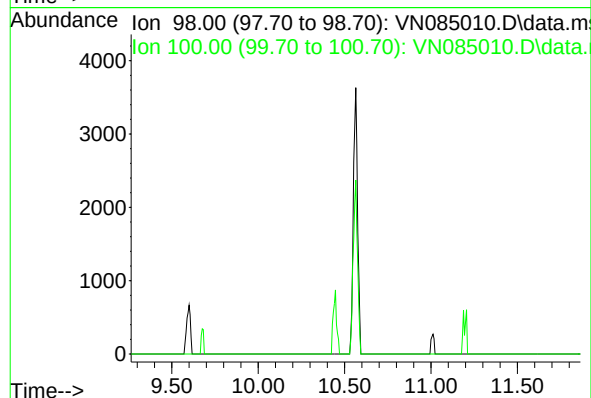
VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#51

4-Methyl-2-Pentanone

Concen: 4.578 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085010.D

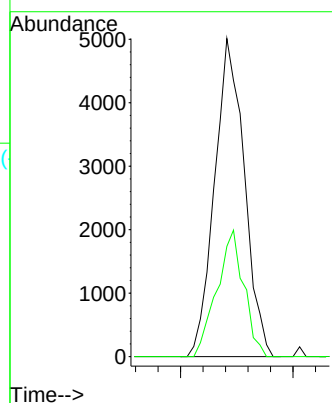
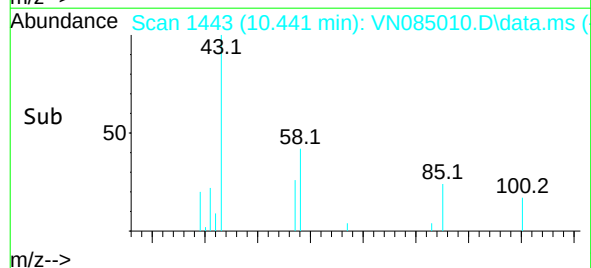
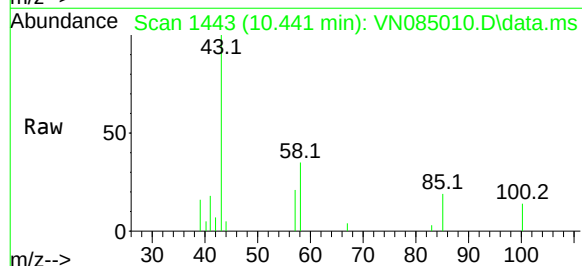
Acq: 22 Nov 2024 13:45

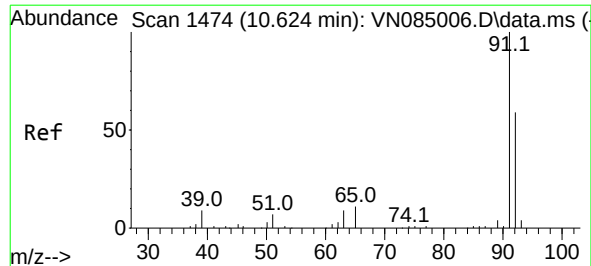
Tgt Ion: 43 Resp: 9203

Ion Ratio Lower Upper

43 100

58 36.0 32.1 48.1





#52

Toluene

Concen: 0.912 ug/l

RT: 10.624 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 3979

Ion Ratio Lower Upper

92 100

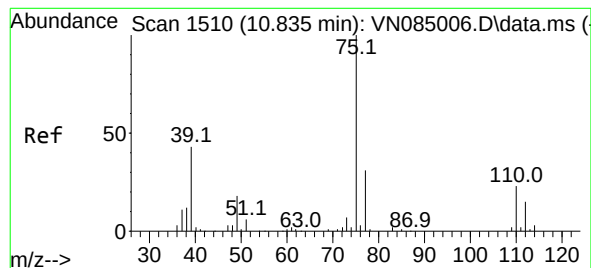
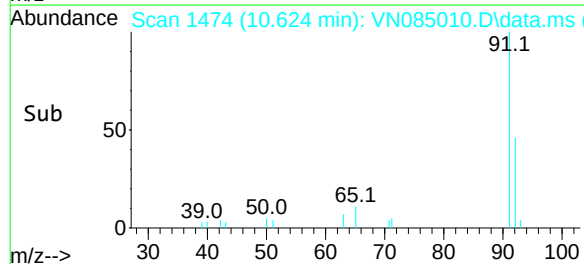
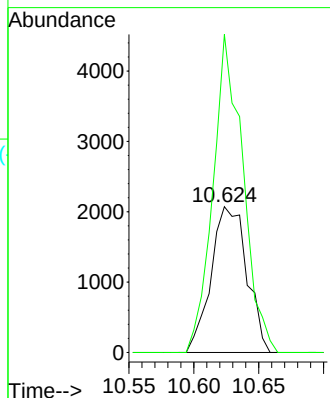
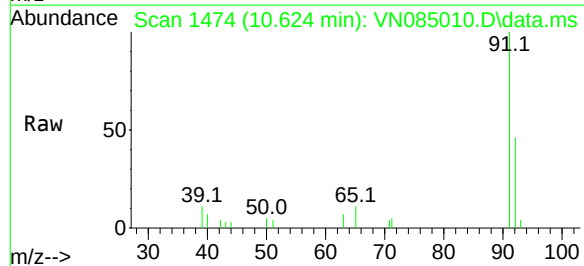
91 182.5 136.7 205.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#53

t-1,3-Dichloropropene

Concen: 1.000 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.006 min

Lab File: VN085010.D

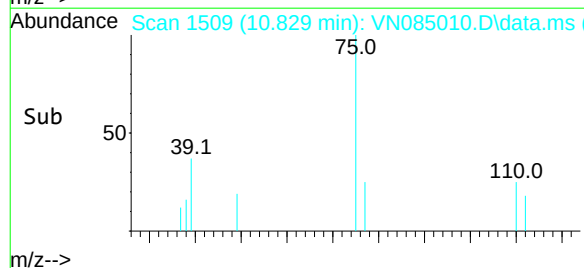
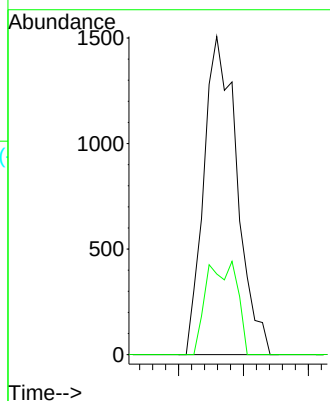
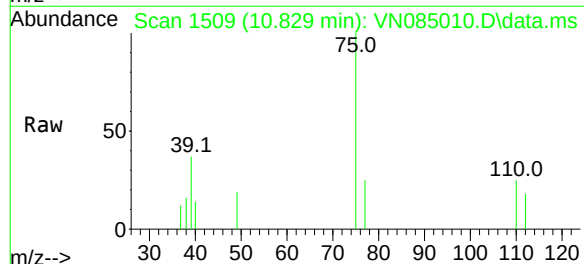
Acq: 22 Nov 2024 13:45

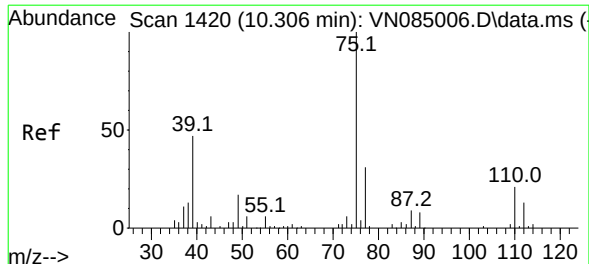
Tgt Ion: 75 Resp: 2680

Ion Ratio Lower Upper

75 100

77 25.3 25.0 37.4





#54

cis-1,3-Dichloropropene

Concen: 0.970 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085010.D

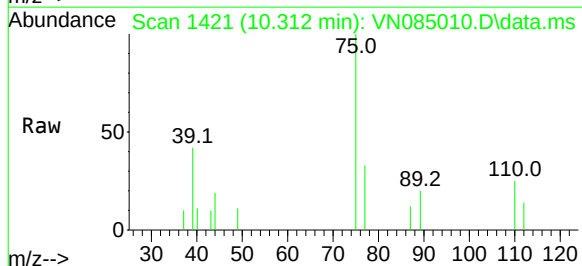
Acq: 22 Nov 2024 13:45

Instrument :

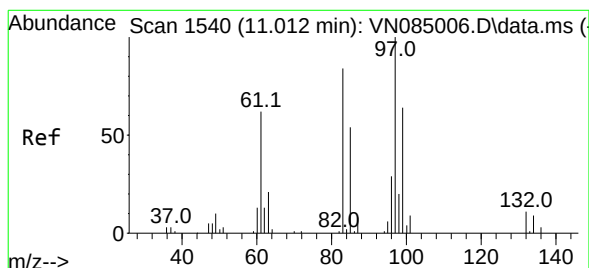
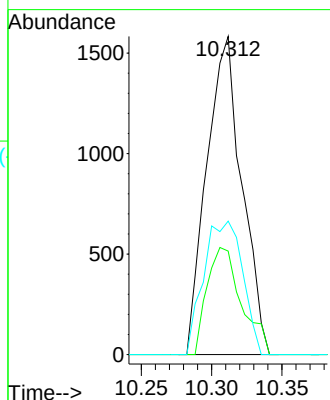
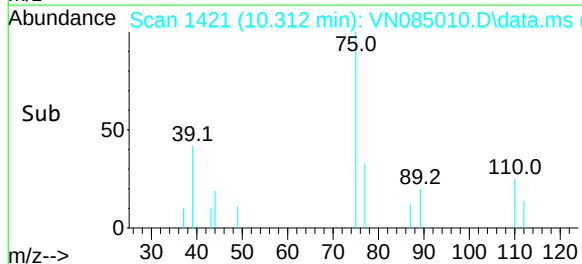
MSVOA_N

ClientSampleId :

VSTDIC001



Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.4
39	41.9	37.6	56.4

Manual Integrations
APPROVEDReviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

#55

1,1,2-Trichloroethane

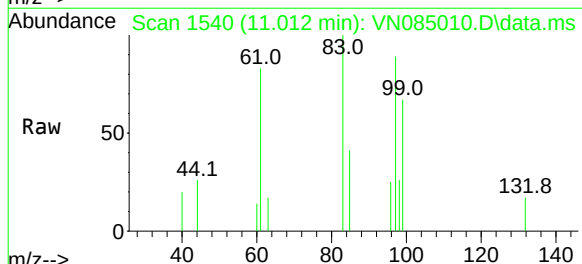
Concen: 0.945 ug/l

RT: 11.012 min Scan# 1540

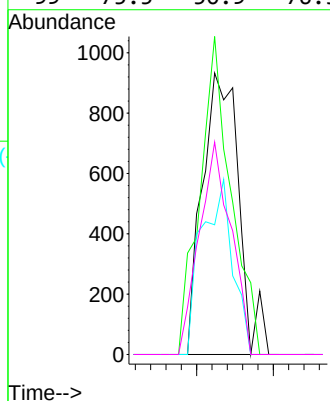
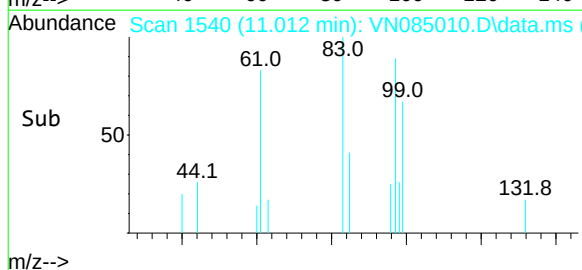
Delta R.T. -0.000 min

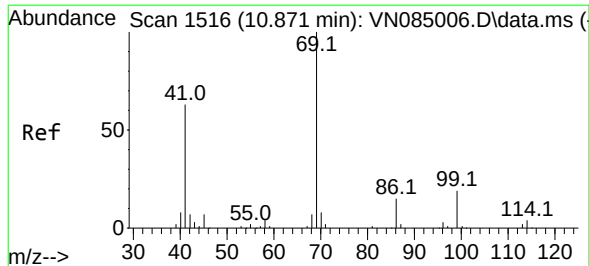
Lab File: VN085010.D

Acq: 22 Nov 2024 13:45



Tgt Ion	Ratio	Lower	Upper
97	100		
83	113.0	67.4	101.2#
85	46.1	43.1	64.7
99	75.5	50.9	76.3





#56

Ethyl methacrylate

Concen: 0.795 ug/l

RT: 10.876 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

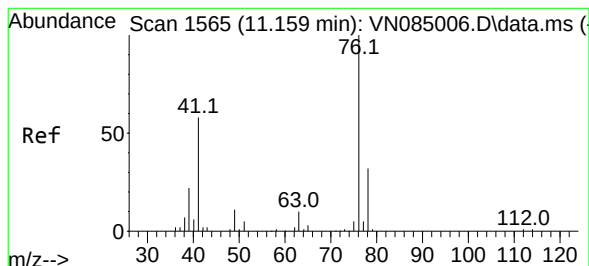
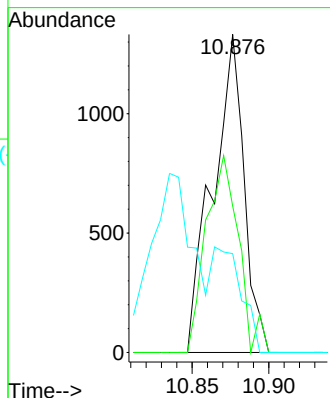
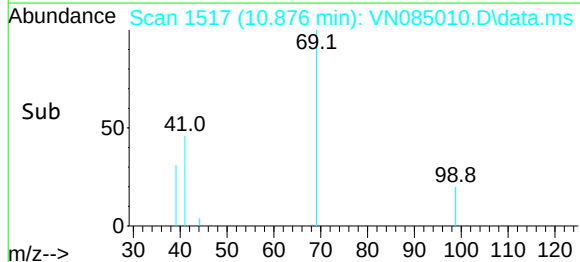
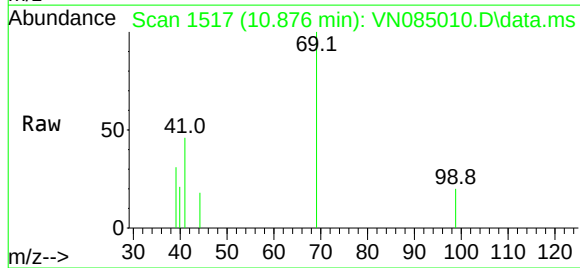
ClientSampleId :

VSTDIC001

Tgt	Ion	69	Resp:	1888
Ion	Ratio	Lower	Upper	
69	100			
41	64.1	50.0	75.0	
39	31.6	27.0	40.6	

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#57

1,3-Dichloropropane

Concen: 1.020 ug/l

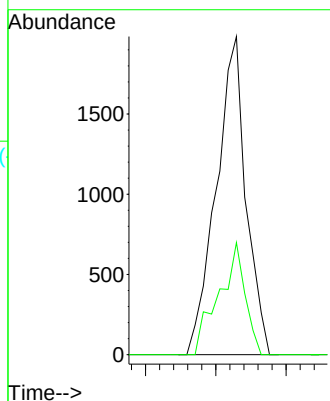
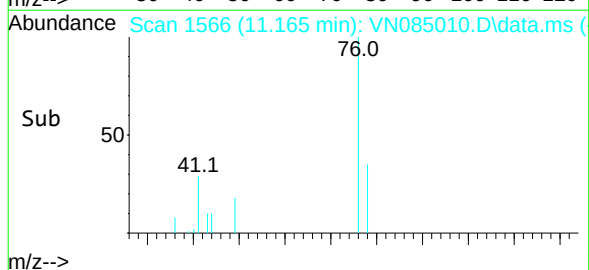
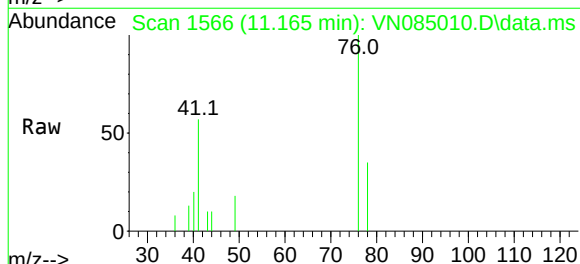
RT: 11.165 min Scan# 1566

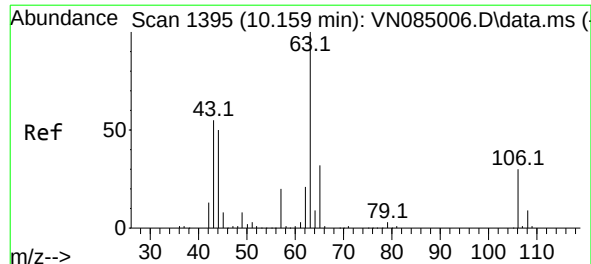
Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt	Ion	76	Resp:	2917
Ion	Ratio	Lower	Upper	
76	100			
78	31.1	26.1	39.1	





#58

2-Chloroethyl Vinyl ether

Concen: 3.651 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 4254

Ion Ratio Lower Upper

63 100

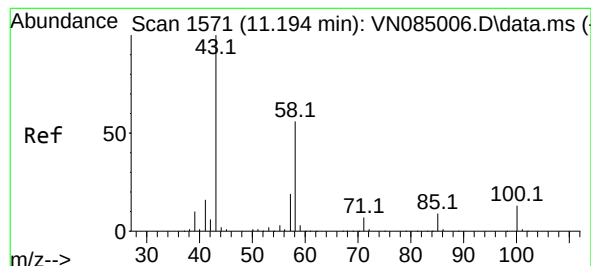
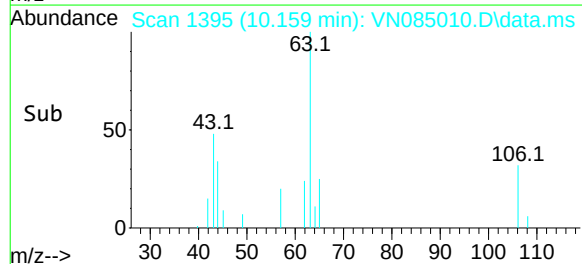
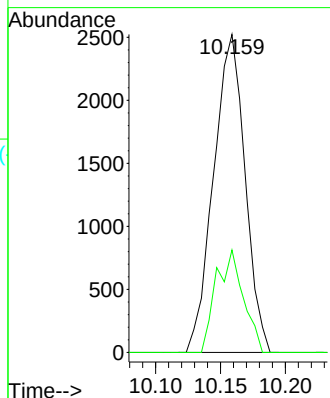
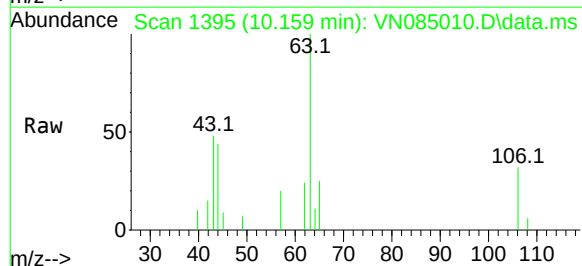
106 28.0 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#59

2-Hexanone

Concen: 4.166 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN085010.D

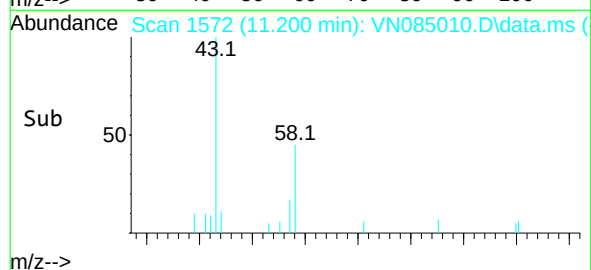
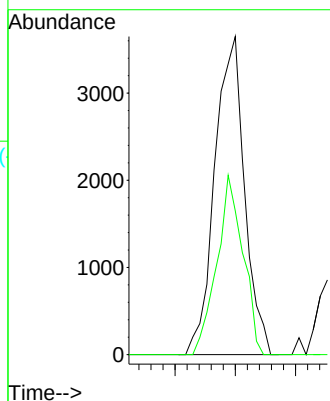
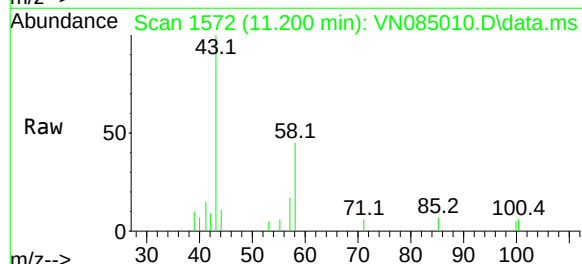
Acq: 22 Nov 2024 13:45

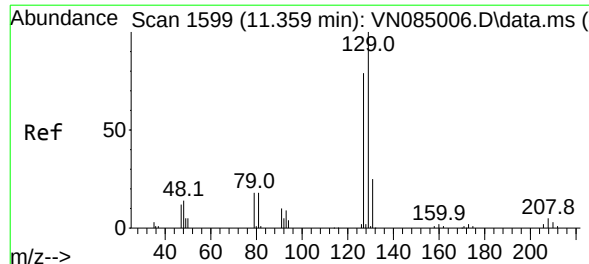
Tgt Ion: 43 Resp: 6264

Ion Ratio Lower Upper

43 100

58 49.4 28.3 85.0





#60

Dibromochloromethane

Concen: 1.057 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:129 Resp: 2099

Ion Ratio Lower Upper

129 100

127 72.0 39.2 117.6

Instrument :

MSVOA_N

ClientSampleId :

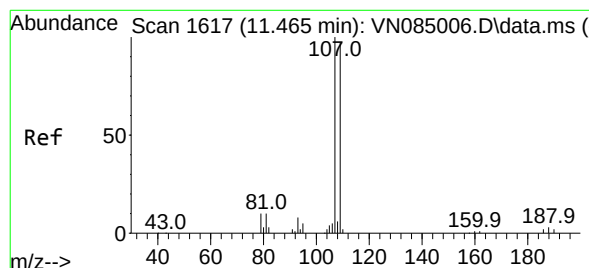
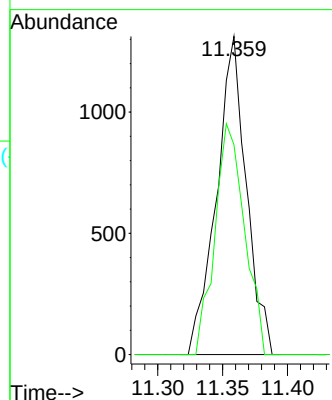
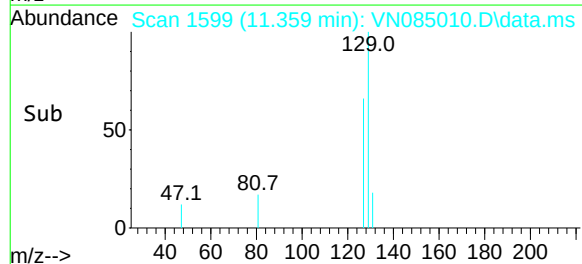
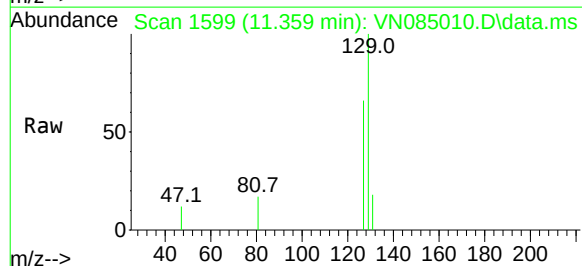
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#61

1,2-Dibromoethane

Concen: 0.980 ug/l

RT: 11.465 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VN085010.D

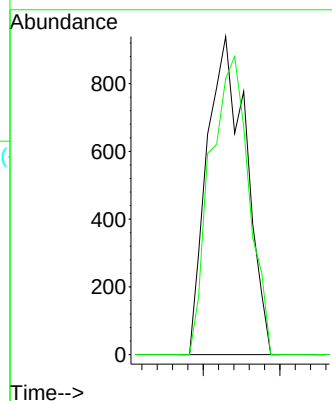
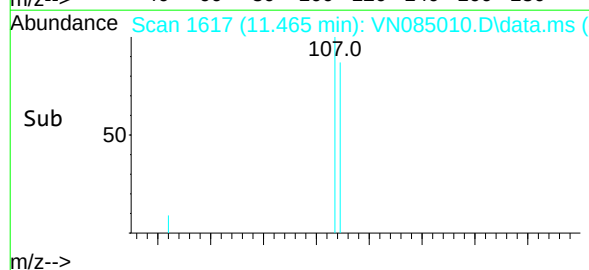
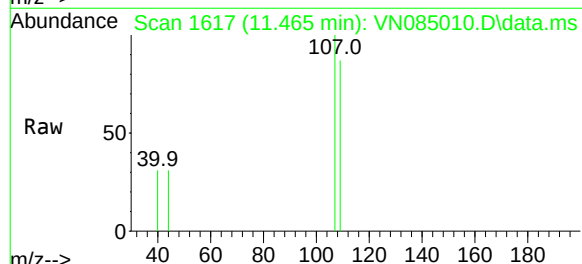
Acq: 22 Nov 2024 13:45

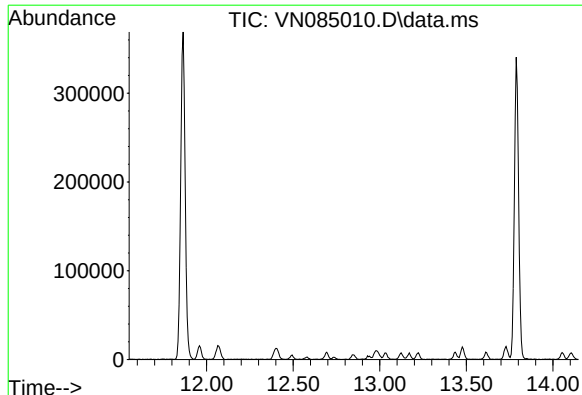
Tgt Ion:107 Resp: 1648

Ion Ratio Lower Upper

107 100

109 93.0 76.1 114.1





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.85 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 95

Sig Exp Ratio

95 100

174 73.3

176 70.9

Instrument :

MSVOA_N

ClientSampleId :

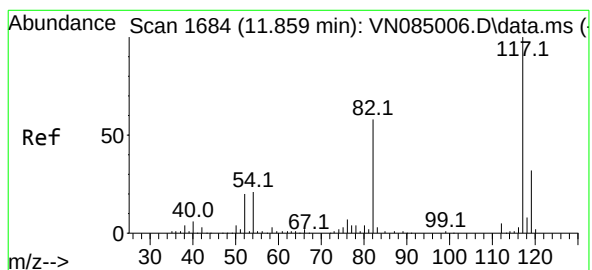
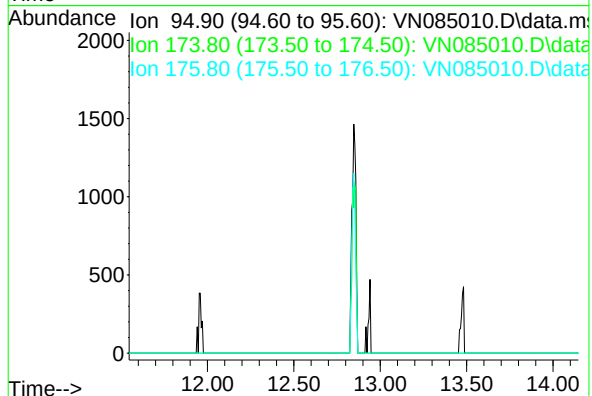
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

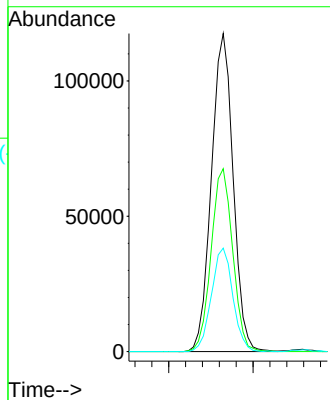
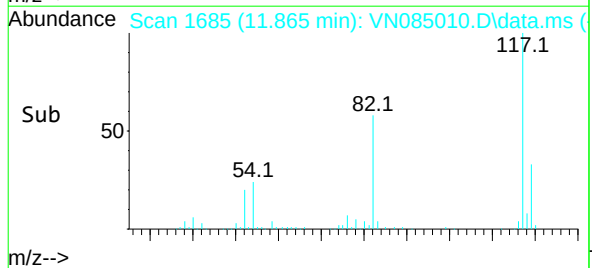
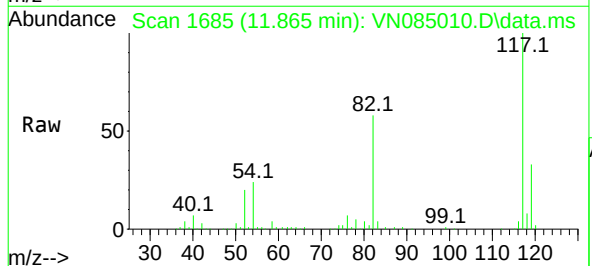
Tgt Ion:117 Resp: 210265

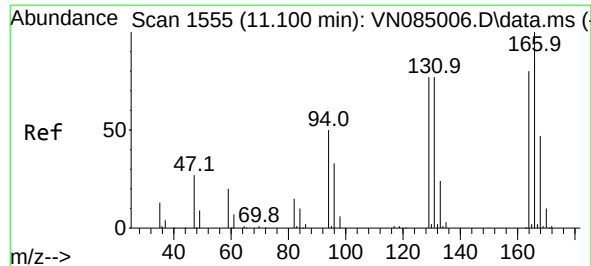
Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

119 32.5 25.6 38.4





#64

Tetrachloroethene

Concen: 0.911 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 1291

Ion Ratio Lower Upper

164 100

166 117.4 100.6 151.0

129 67.4 77.7 116.5#

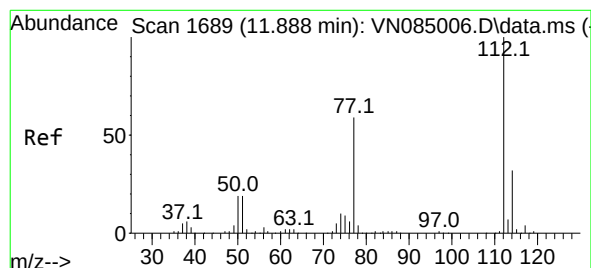
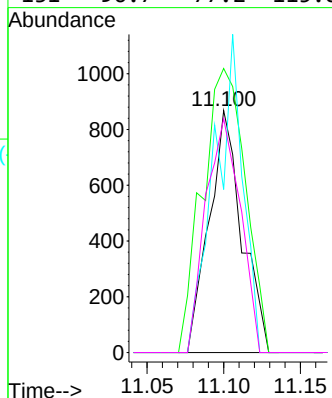
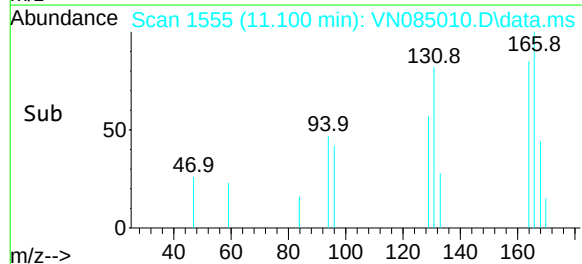
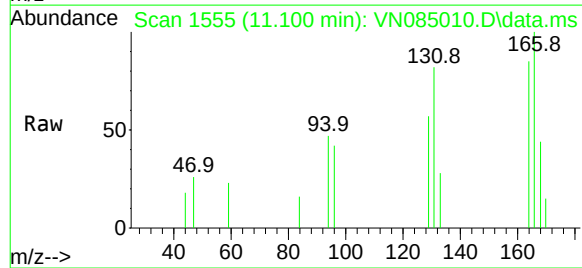
131 96.7 77.2 115.8

Manual Integrations

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#65

Chlorobenzene

Concen: 1.094 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085010.D

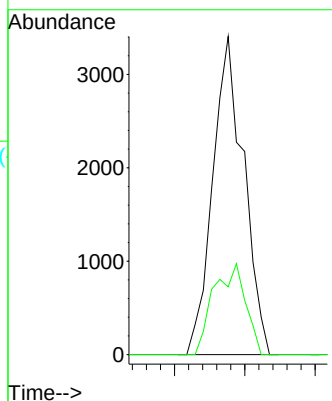
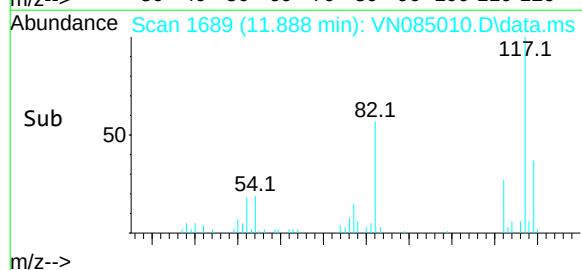
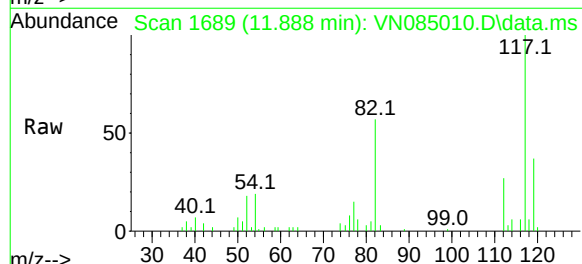
Acq: 22 Nov 2024 13:45

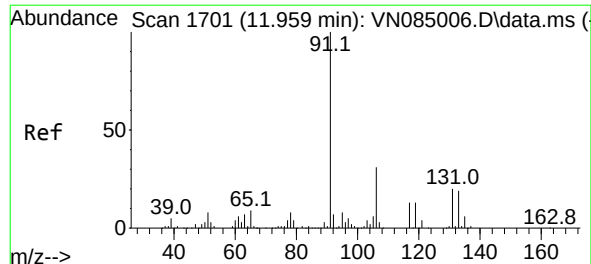
Tgt Ion:112 Resp: 5217

Ion Ratio Lower Upper

112 100

114 21.3 25.8 38.6#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.976 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

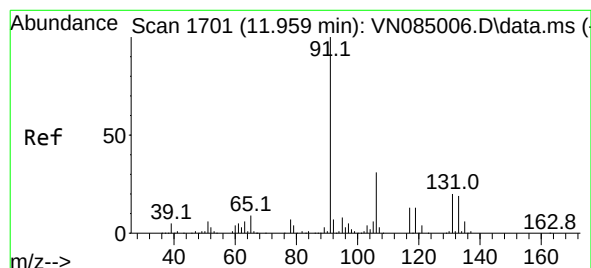
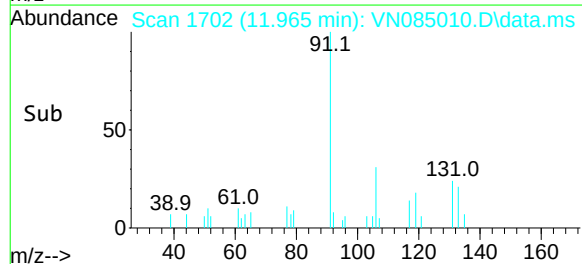
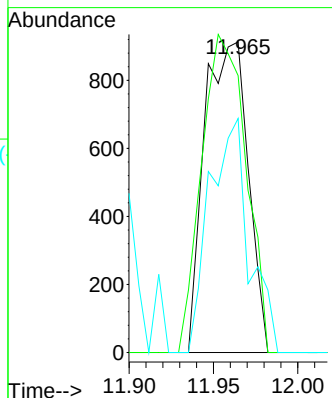
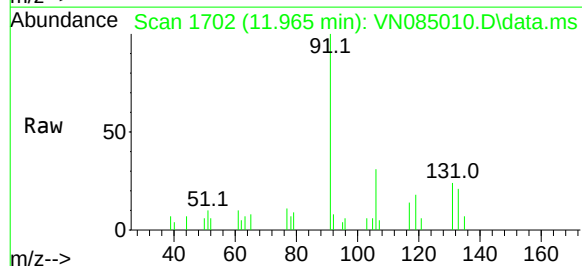
Tgt Ion:	131	Resp:	1639
Ion Ratio	Lower	Upper	
131	100		
133	104.3	47.8	143.4
119	0.0	32.1	96.3

Manual Integrations

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Supervised By :Mahesh Dadoda 11/25/2024



#67

Ethyl Benzene

Concen: 0.894 ug/l

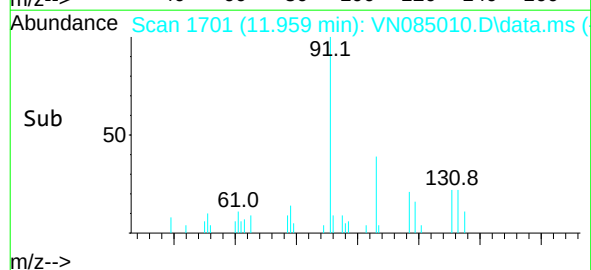
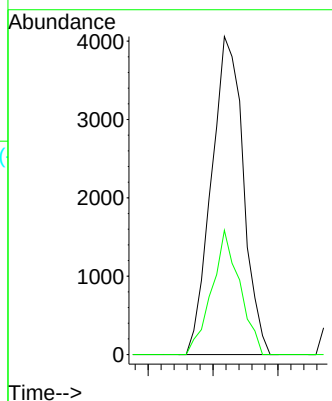
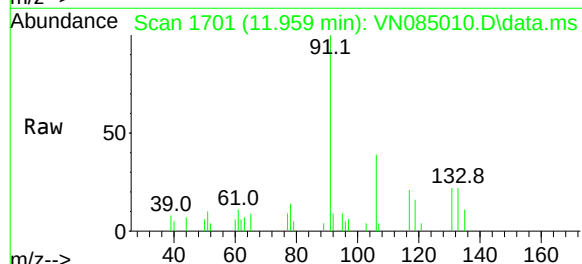
RT: 11.959 min Scan# 1701

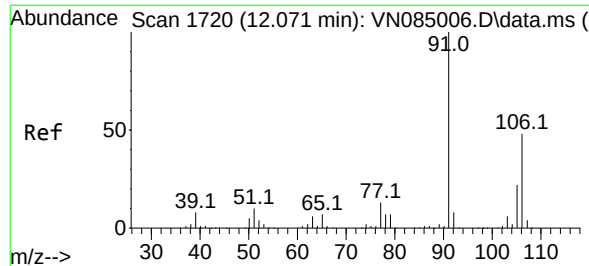
Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	91	Resp:	6914
Ion Ratio	Lower	Upper	
91	100		
106	39.1	24.7	37.1





#68

m/p-Xylenes

Concen: 1.789 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269

Ion Ratio Lower Upper

106 100

91 195.9 168.0 252.0

Instrument :

MSVOA_N

ClientSampleId :

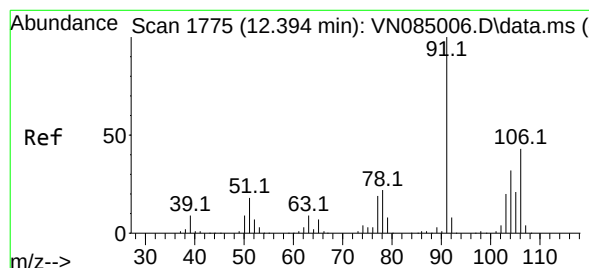
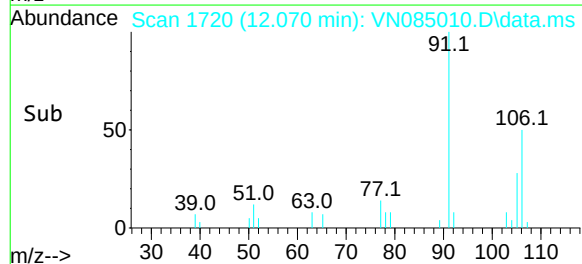
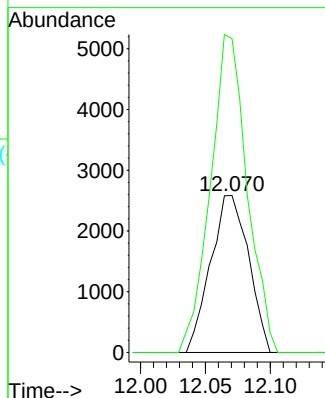
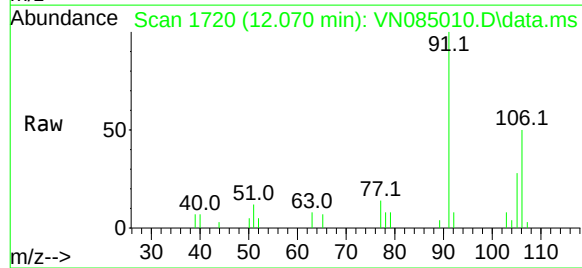
VSTDICC001

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#69

o-Xylene

Concen: 0.897 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085010.D

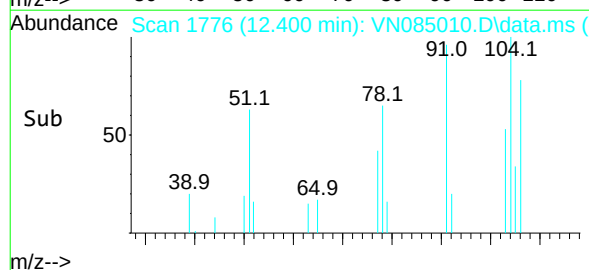
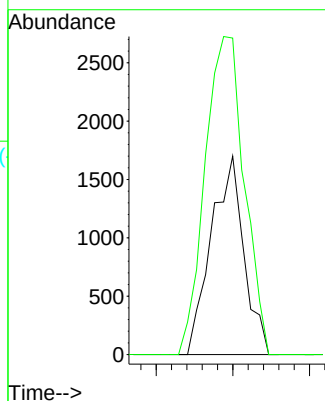
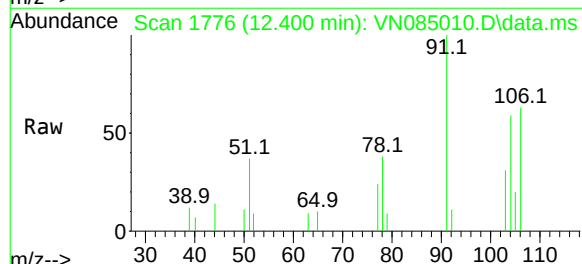
Acq: 22 Nov 2024 13:45

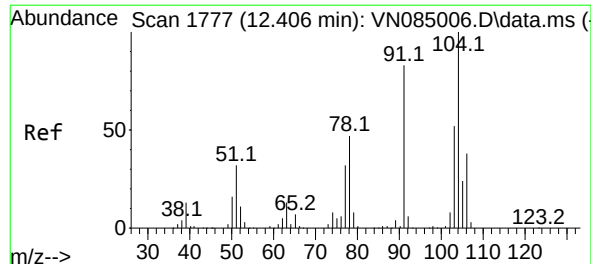
Tgt Ion:106 Resp: 2514

Ion Ratio Lower Upper

106 100

91 192.8 110.7 331.9





#70

Styrene

Concen: 0.831 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

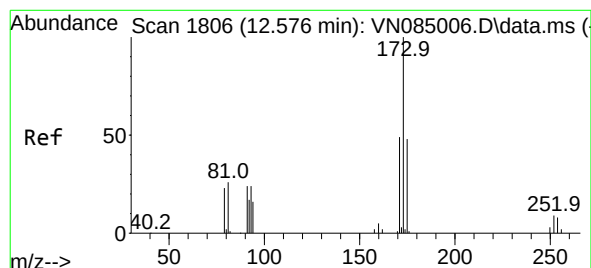
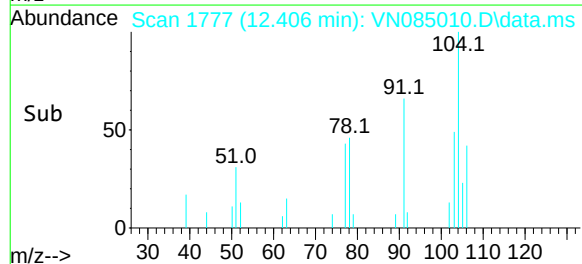
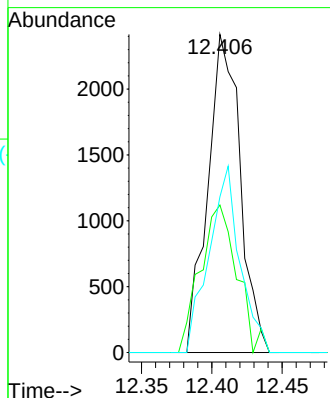
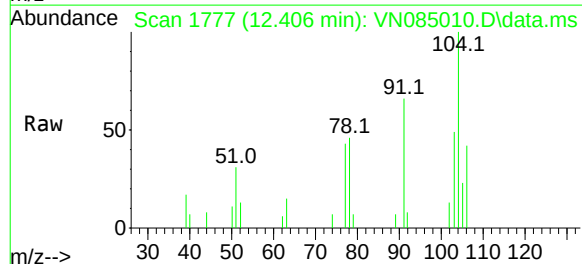
ClientSampleId :

VSTDIC001

Tgt	Ion:104	Resp:	3871
Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.3	63.5
103	56.0	44.2	66.2

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#71

Bromoform

Concen: 0.975 ug/l

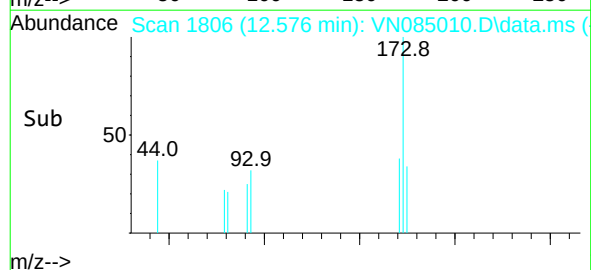
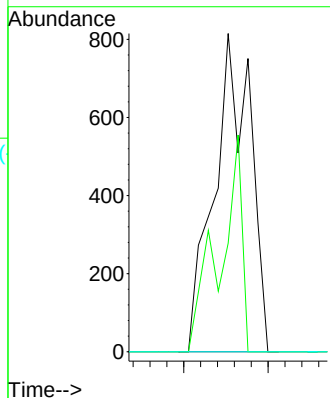
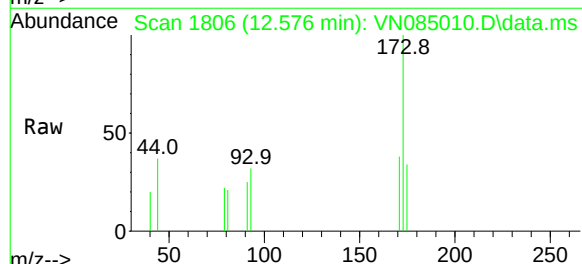
RT: 12.576 min Scan# 1806

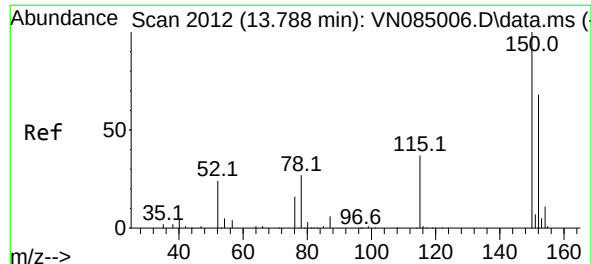
Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt	Ion:173	Resp:	1215
Ion	Ratio	Lower	Upper
173	100		
175	42.1	23.8	71.2
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: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:152 Resp: 88784

Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 161.6 0.0 351.4

Instrument :

MSVOA_N

ClientSampleId :

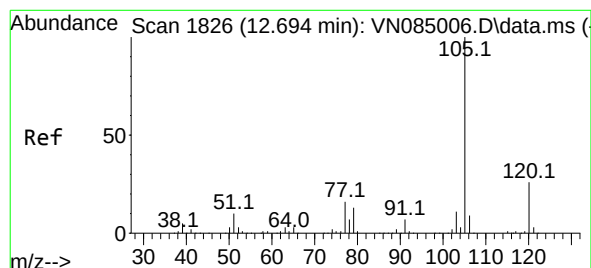
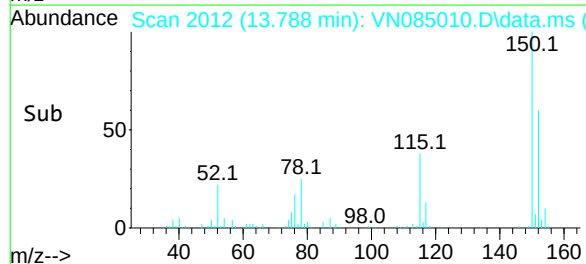
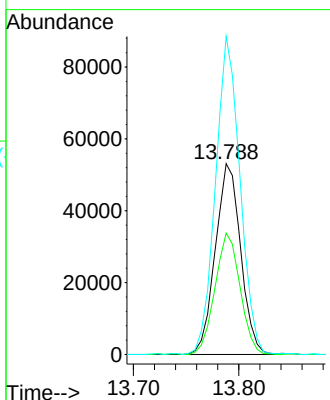
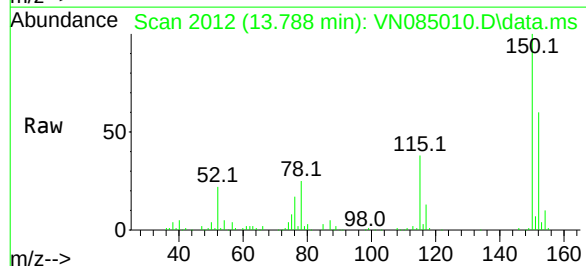
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#73

Isopropylbenzene

Concen: 0.900 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. -0.006 min

Lab File: VN085010.D

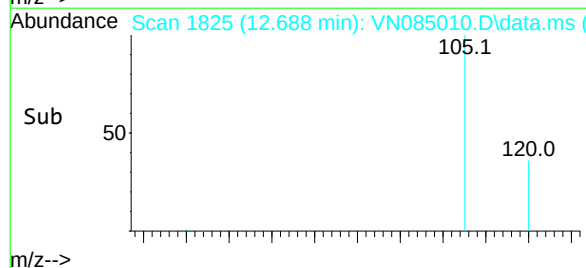
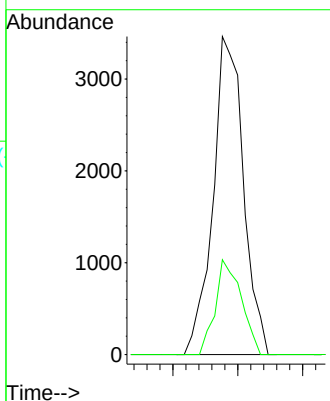
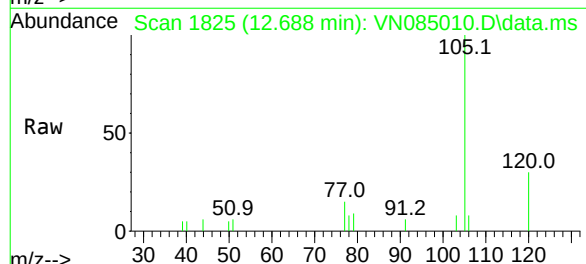
Acq: 22 Nov 2024 13:45

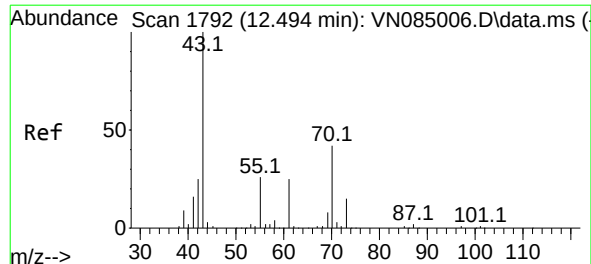
Tgt Ion:105 Resp: 5637

Ion Ratio Lower Upper

105 100

120 25.5 13.0 39.0





#74

N-amy1 acetate

Concen: 0.921 ug/l

RT: 12.494 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

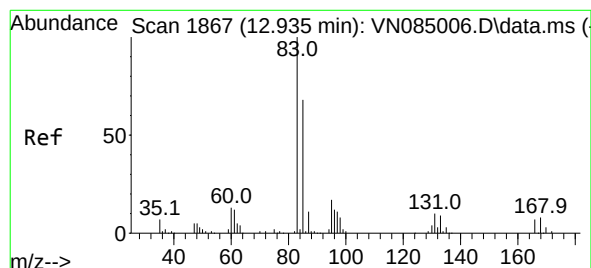
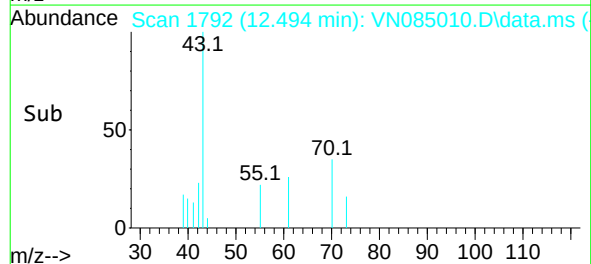
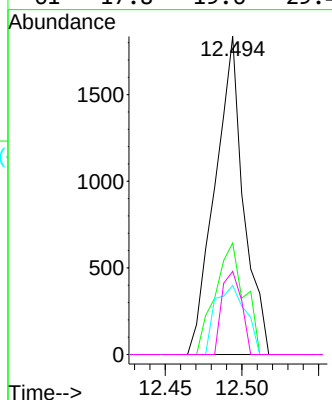
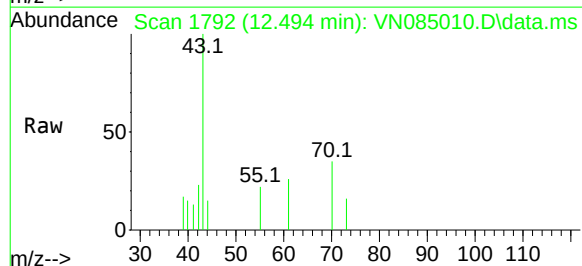
Tgt Ion:	43	Resp:	2377
Ion	Ratio	Lower	Upper
43	100		
70	36.0	34.6	51.8
55	23.1	20.5	30.7
61	17.8	19.6	29.4#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.260 ug/l

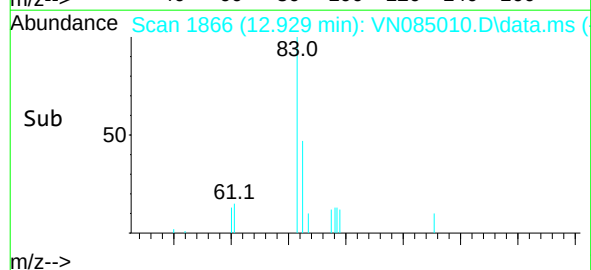
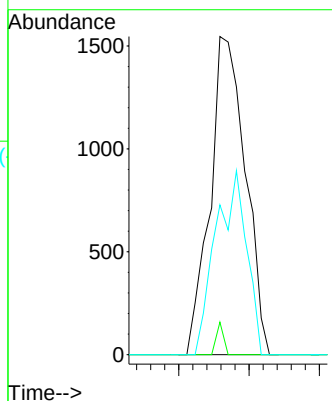
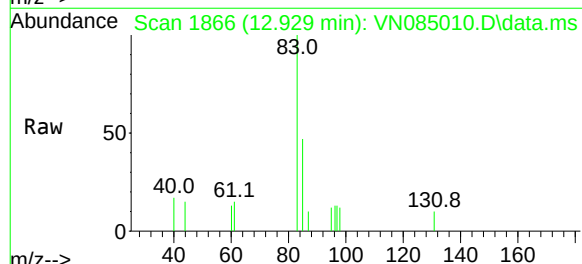
RT: 12.929 min Scan# 1866

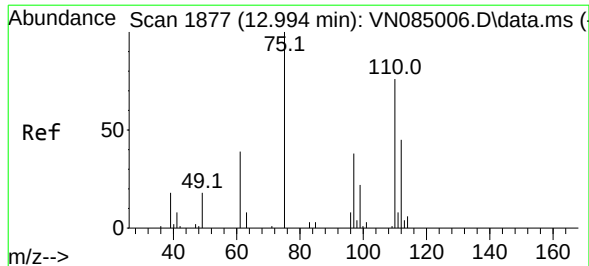
Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	83	Resp:	2694
Ion	Ratio	Lower	Upper
83	100		
131	2.1	5.1	15.4#
85	50.6	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 1.093 ug/l m

RT: 12.988 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1816

Ion Ratio Lower Upper

75 100

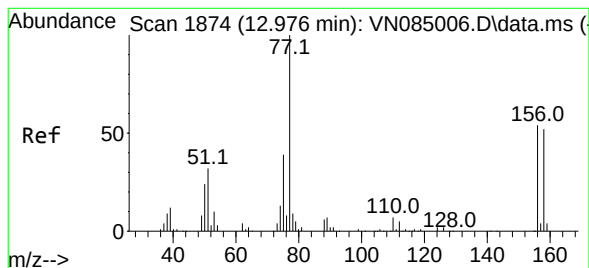
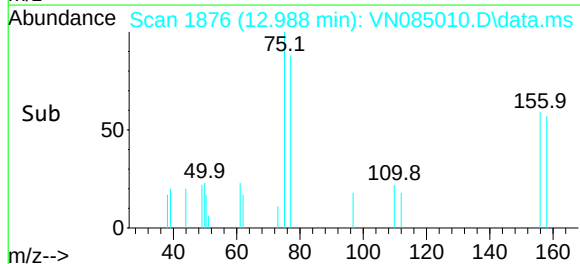
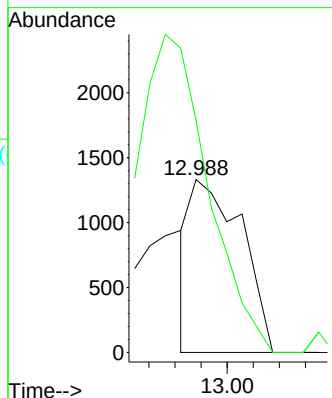
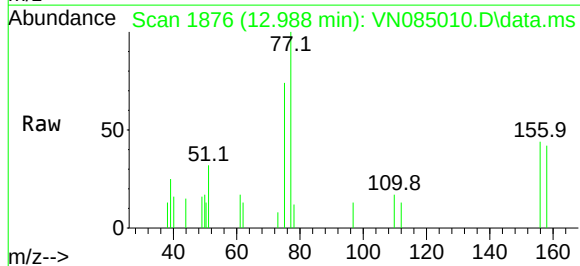
77 257.4 109.1 327.4

Manual Integrations

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#77

Bromobenzene

Concen: 1.129 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

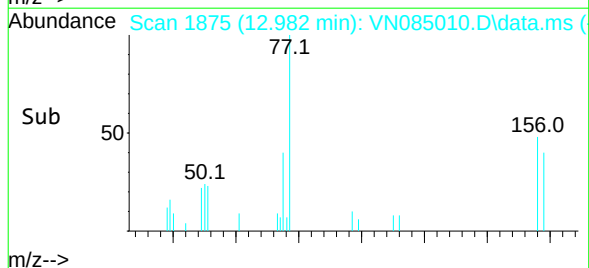
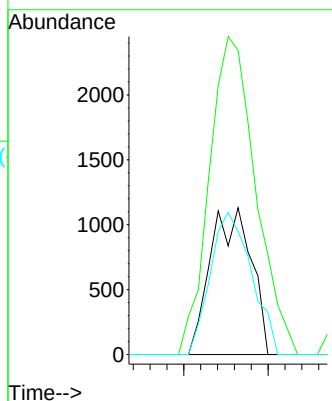
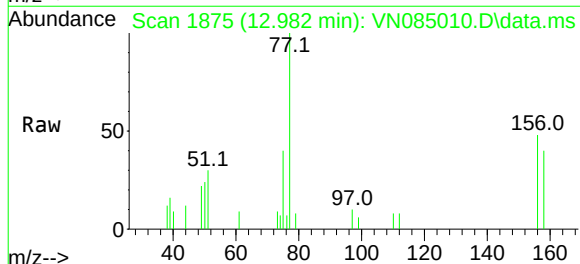
Tgt Ion:156 Resp: 1903

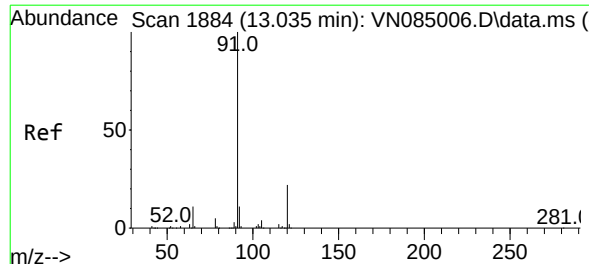
Ion Ratio Lower Upper

156 100

77 245.7 107.2 321.6

158 97.5 48.5 145.6





#78

n-propylbenzene

Concen: 0.869 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 6275

Ion Ratio Lower Upper

91 100

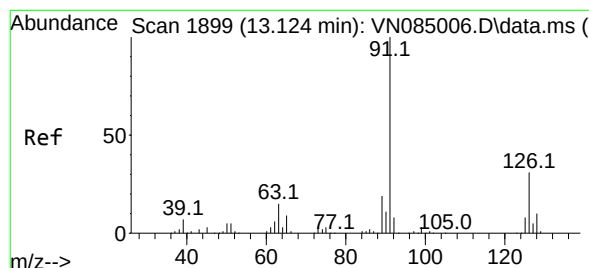
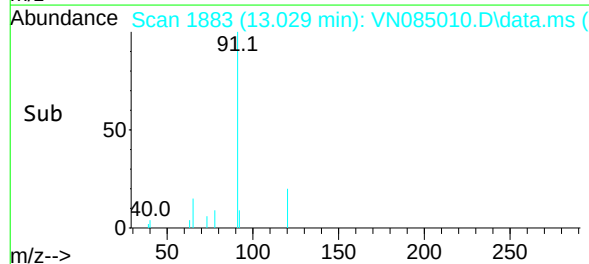
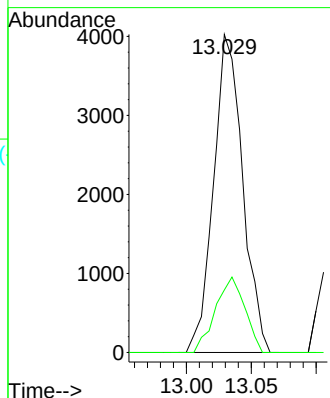
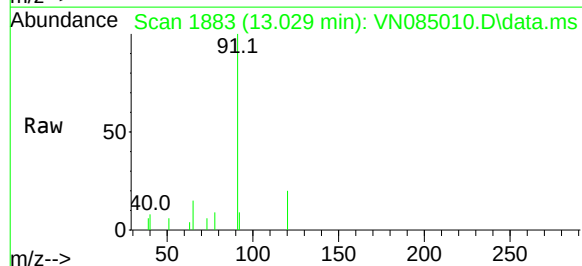
120 24.0 11.3 33.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085010.D

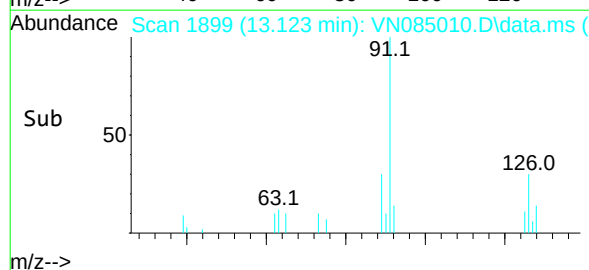
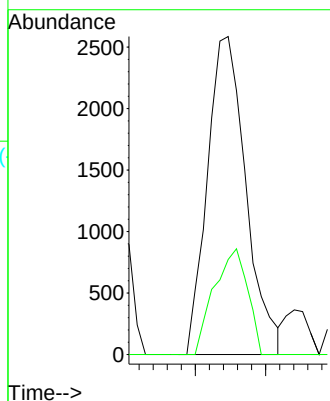
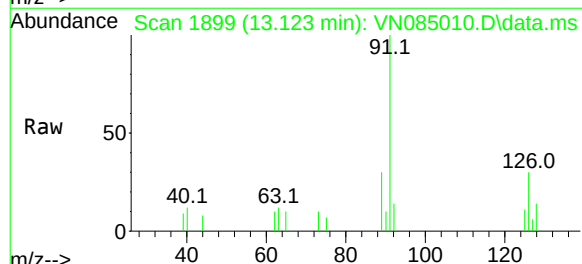
Acq: 22 Nov 2024 13:45

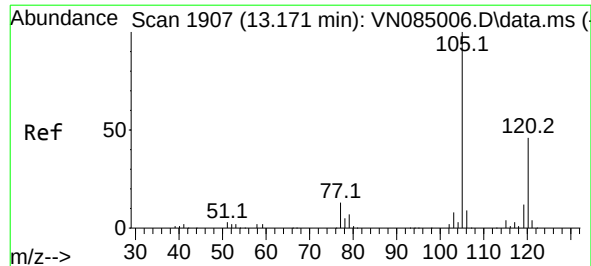
Tgt Ion: 91 Resp: 4935

Ion Ratio Lower Upper

91 100

126 28.8 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 0.851 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 4473

Ion Ratio Lower Upper

105 100

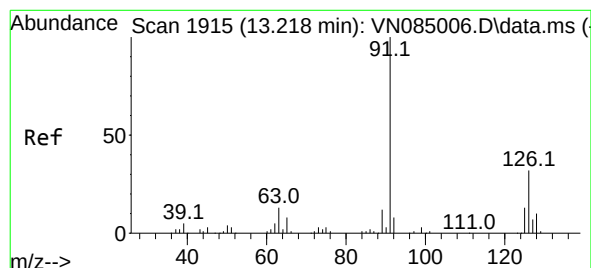
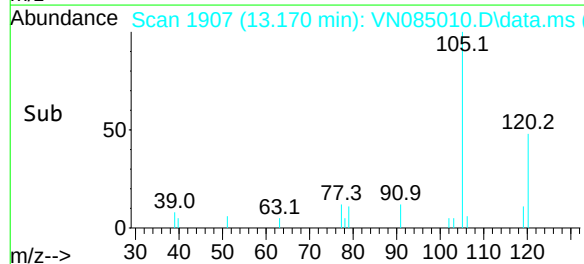
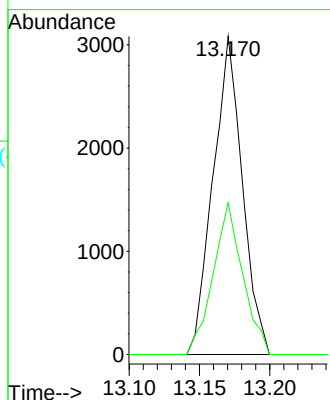
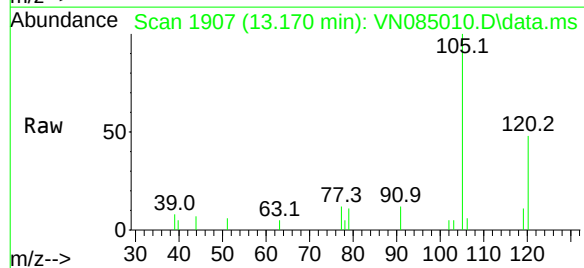
120 48.3 23.6 71.0

Manual Integrations

APPROVED

Reviewed By : John Carlone 11/25/2024

Supervised By : Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 1.053 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN085010.D

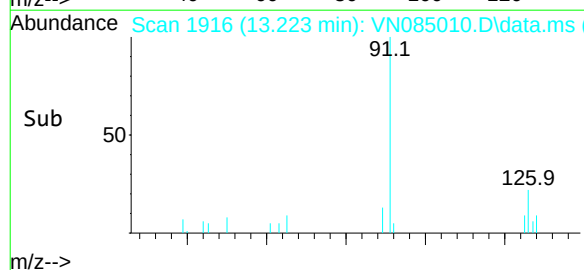
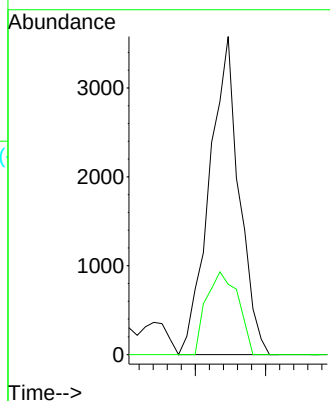
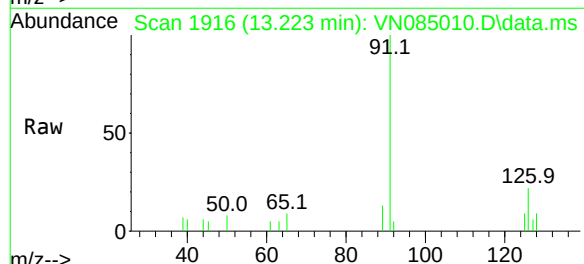
Acq: 22 Nov 2024 13:45

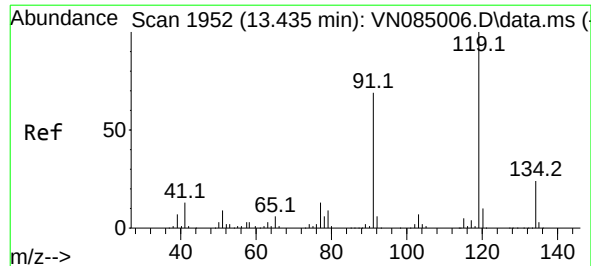
Tgt Ion: 91 Resp: 5286

Ion Ratio Lower Upper

91 100

126 27.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 0.963 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

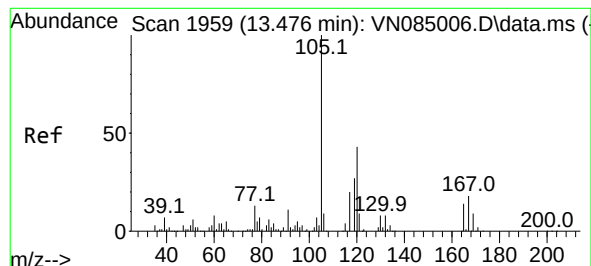
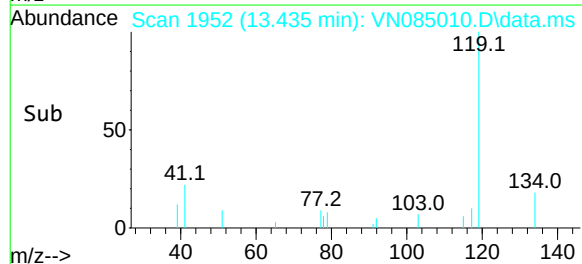
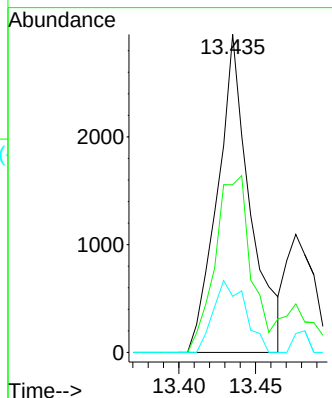
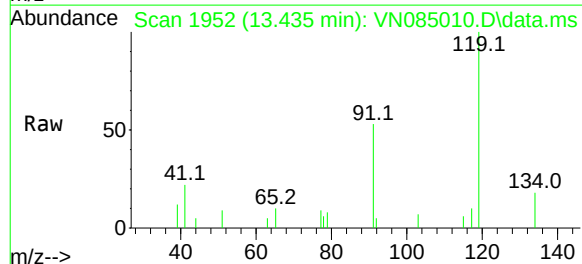
ClientSampleId :

VSTDIC001

Tgt Ion:	119	Resp:	4357
Ion	Ratio	Lower	Upper
119	100		
91	61.2	35.1	105.5
134	22.2	12.1	36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 0.888 ug/l

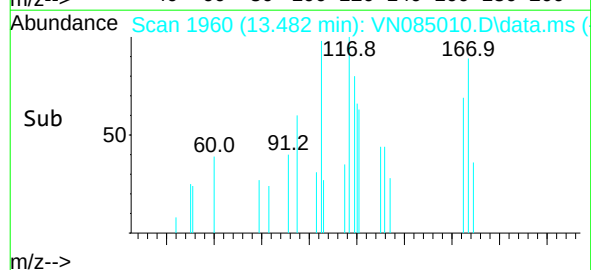
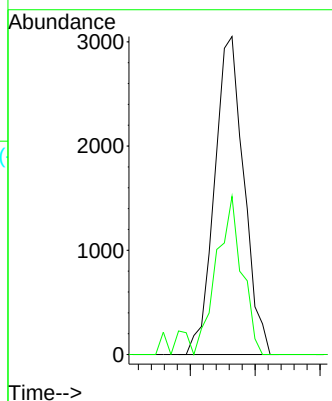
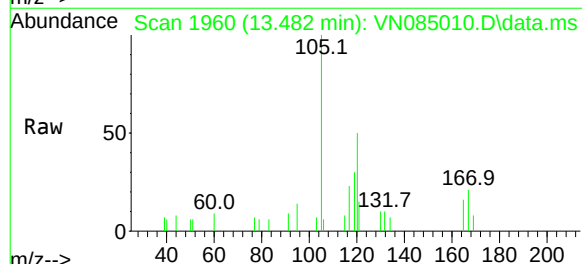
RT: 13.482 min Scan# 1960

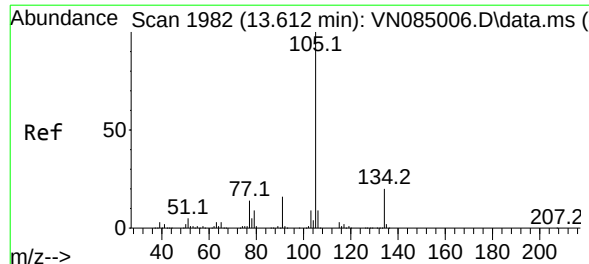
Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	105	Resp:	4802
Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.8	65.4





#85

sec-Butylbenzene

Concen: 0.865 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

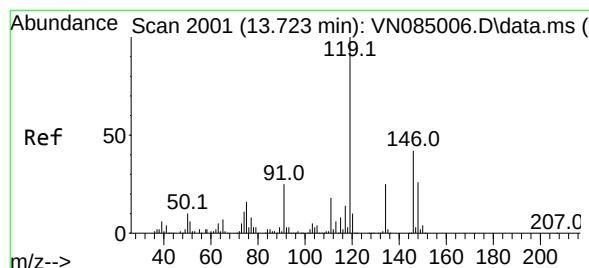
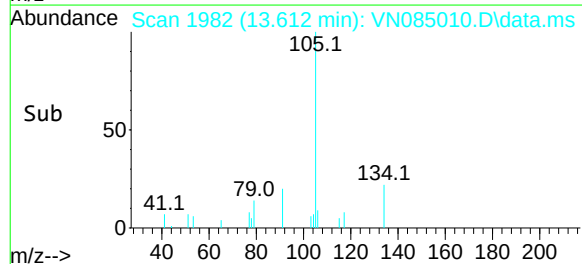
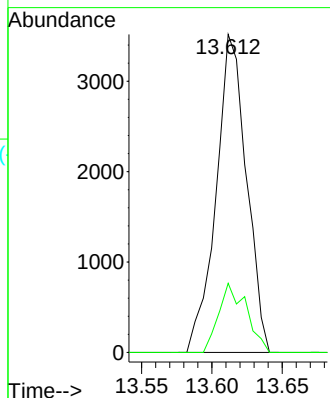
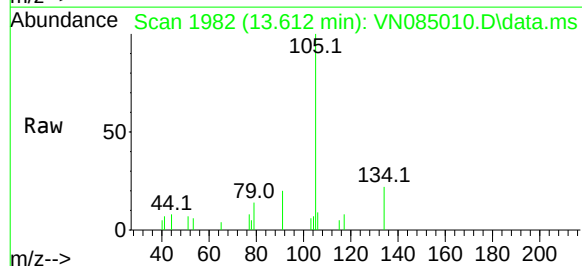
ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	5284
Ion Ratio	Lower	Upper	
105	100		
134	19.9	9.8	29.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 0.803 ug/l

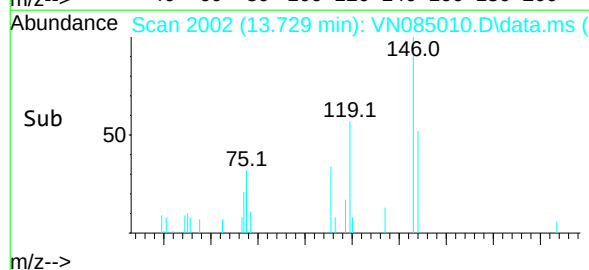
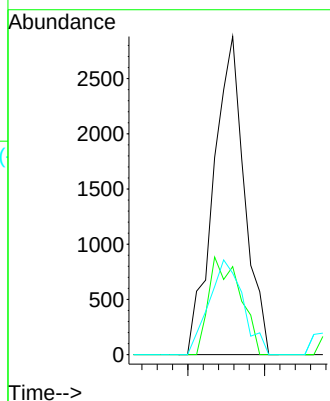
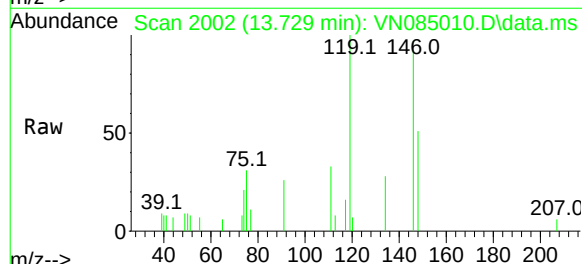
RT: 13.729 min Scan# 2002

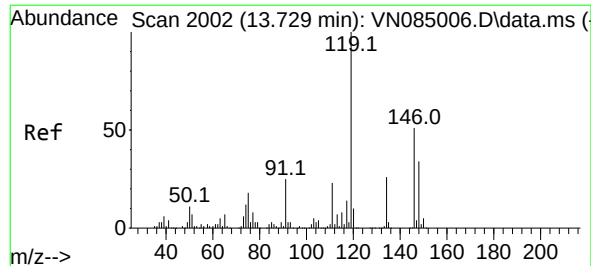
Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	119	Resp:	4047
Ion Ratio	Lower	Upper	
119	100		
134	31.1	13.0	39.0
91	32.5	12.8	38.4





#87

1,3-Dichlorobenzene

Concen: 1.243 ug/l

RT: 13.729 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

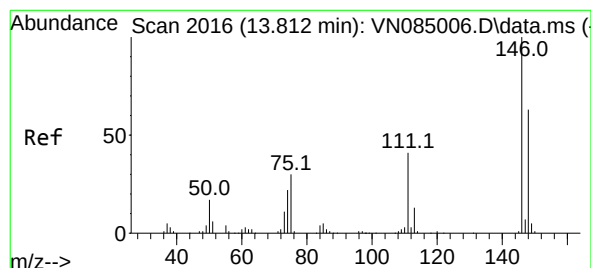
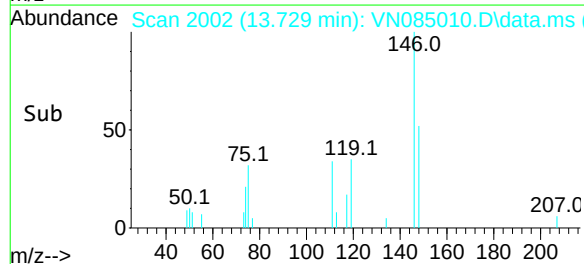
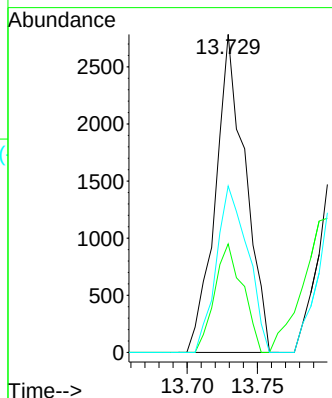
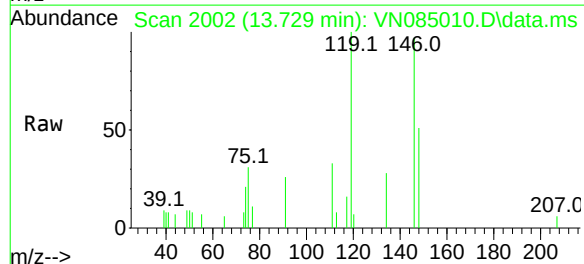
VSTDICC001

Tgt	Ion:146	Resp:	4131
Ion	Ratio	Lower	Upper
146	100		
111	32.0	21.6	65.0
148	54.9	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 1.223 ug/l m

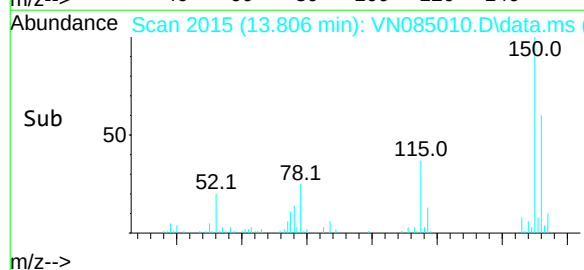
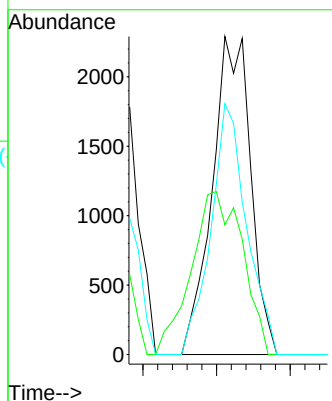
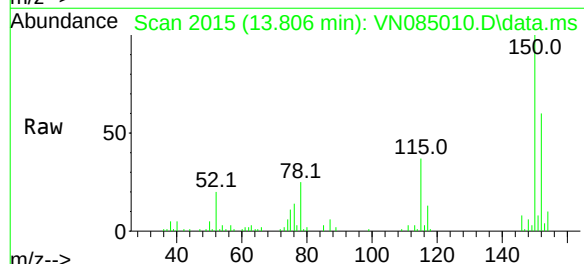
RT: 13.806 min Scan# 2015

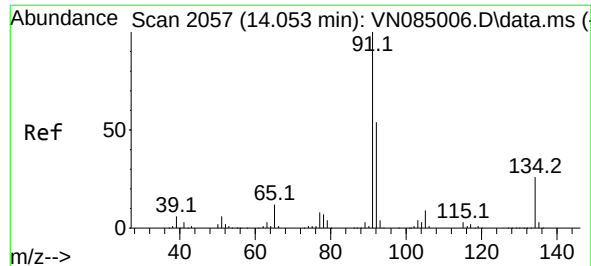
Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt	Ion:146	Resp:	4149
Ion	Ratio	Lower	Upper
146	100		
111	31.9	20.9	62.8
148	54.7	31.3	93.9





#89

n-Butylbenzene

Concen: 1.062 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

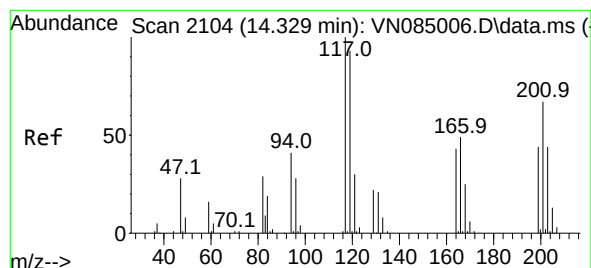
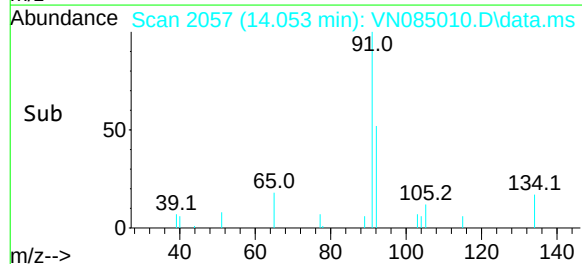
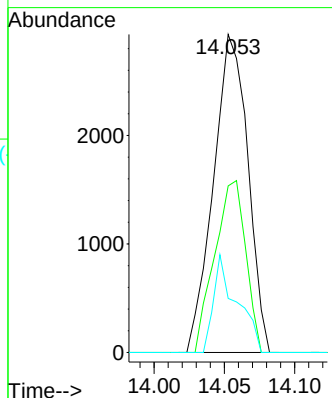
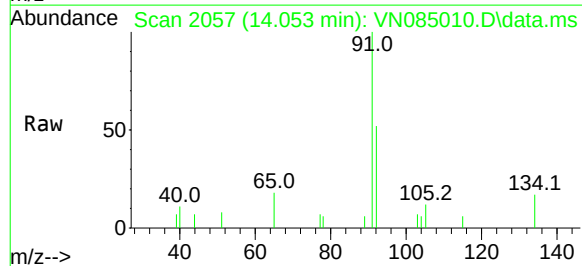
ClientSampleId :

VSTDICC001

Tgt	Ion	91	Resp:	4981
Ion	Ratio	Lower	Upper	
91	100			
92	48.8	26.8	80.3	
134	20.8	12.8	38.4	

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 1.107 ug/l

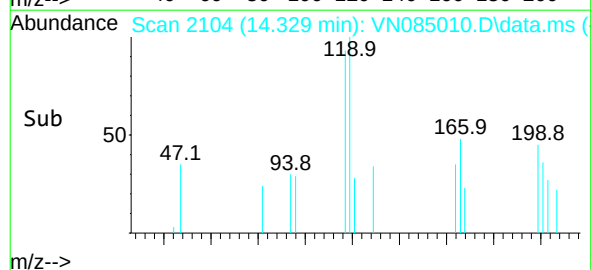
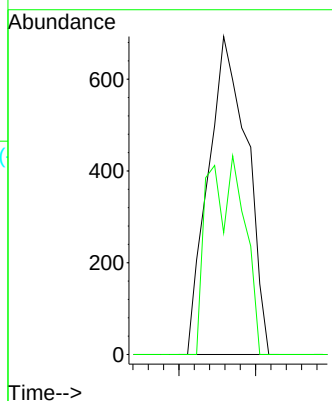
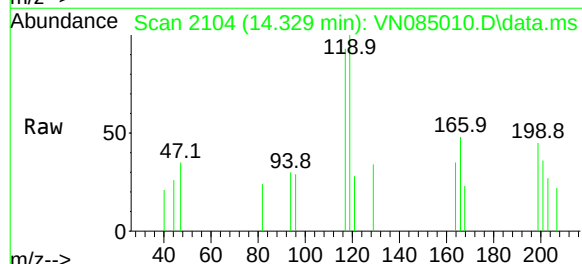
RT: 14.329 min Scan# 2104

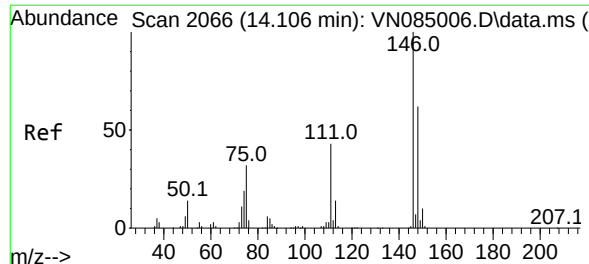
Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt	Ion	117	Resp:	1217
Ion	Ratio	Lower	Upper	
117	100			
201	30.8	35.2	105.6	





#91

1,2-Dichlorobenzene

Concen: 1.202 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

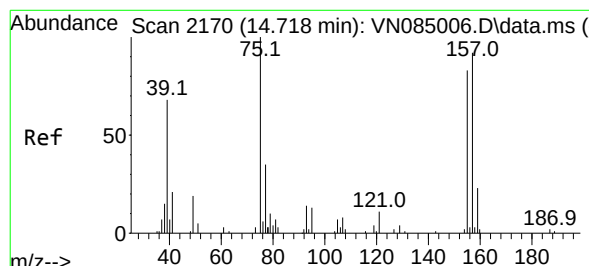
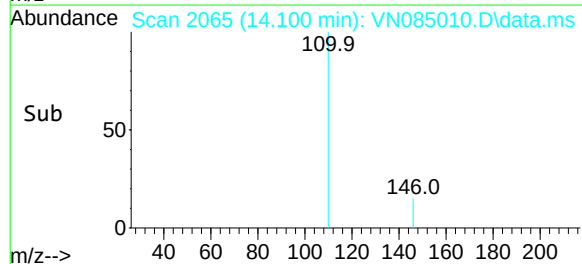
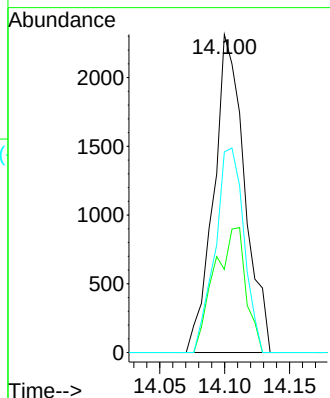
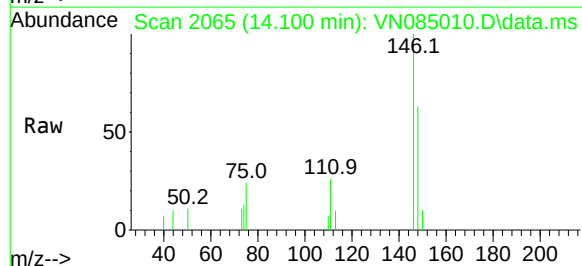
VSTDIC001

Tgt Ion:	146	Resp:	3830
Ion Ratio	Lower	Upper	
146	100		
111	40.0	21.9	65.8
148	60.1	31.1	93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.136 ug/l

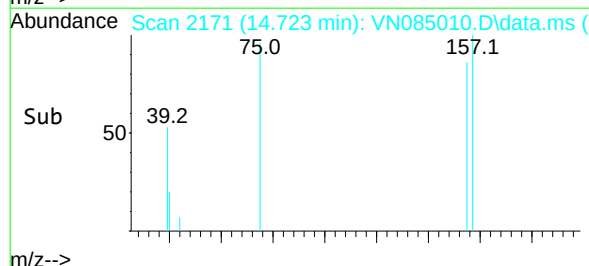
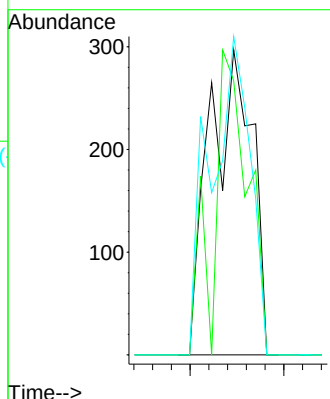
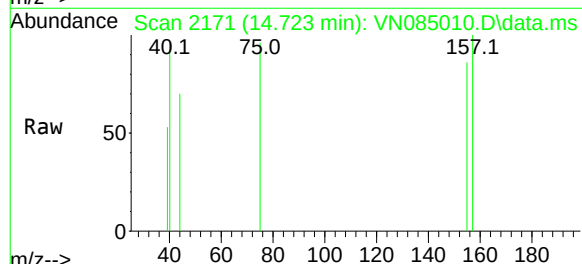
RT: 14.723 min Scan# 2171

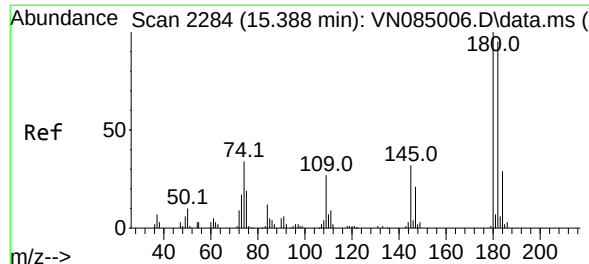
Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	75	Resp:	470
Ion Ratio	Lower	Upper	
75	100		
155	80.4	38.9	116.7
157	96.2	48.3	144.9





#93

1,2,4-Trichlorobenzene

Concen: 1.209 ug/l

RT: 15.400 min Scan# 2284

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 2092

Ion Ratio Lower Upper

180 100

182 86.2 46.9 140.8

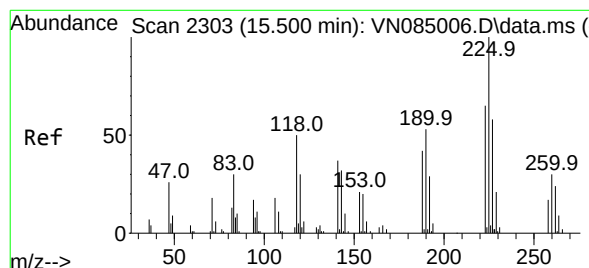
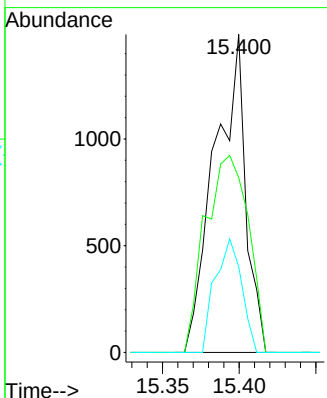
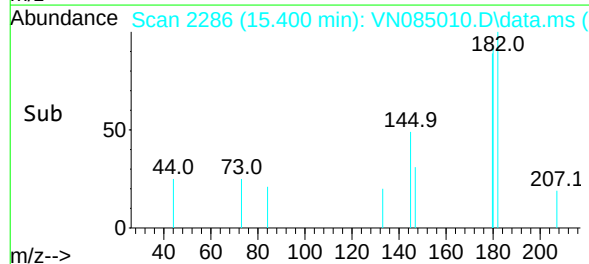
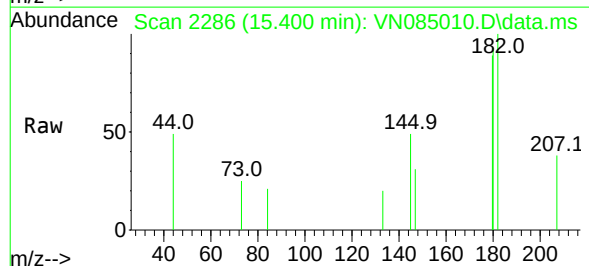
145 30.5 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 1.236 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

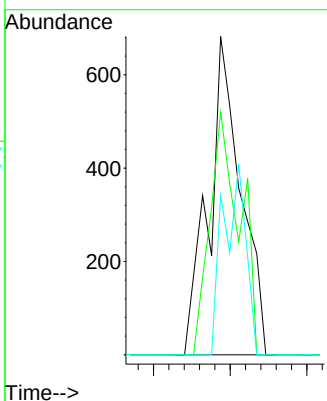
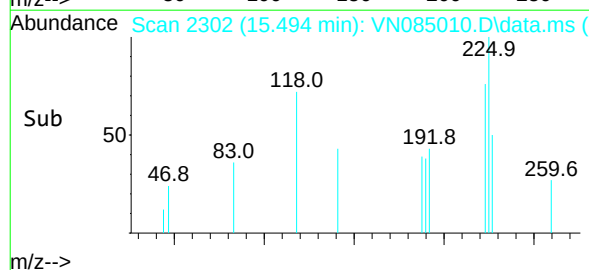
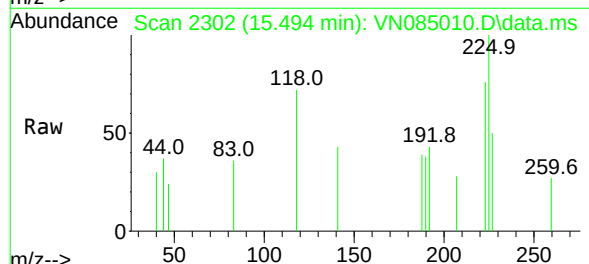
Tgt Ion:225 Resp: 987

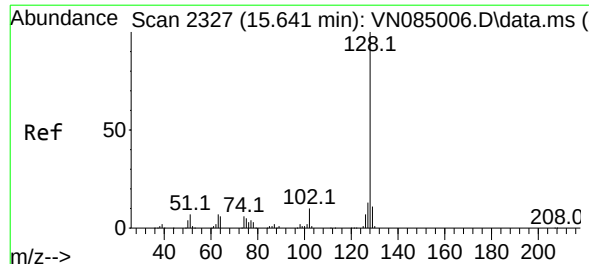
Ion Ratio Lower Upper

225 100

223 71.1 30.9 92.8

227 42.1 31.5 94.5





#95

Naphthalene

Concen: 1.063 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

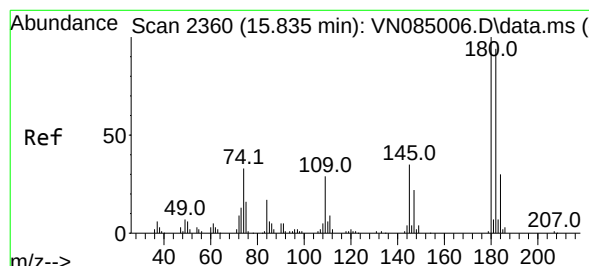
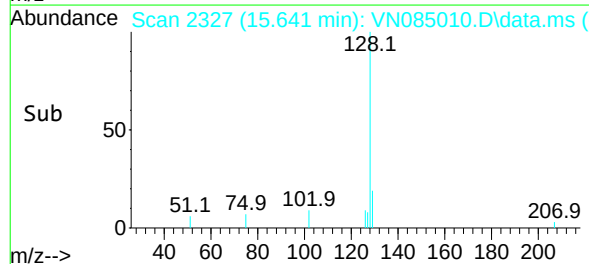
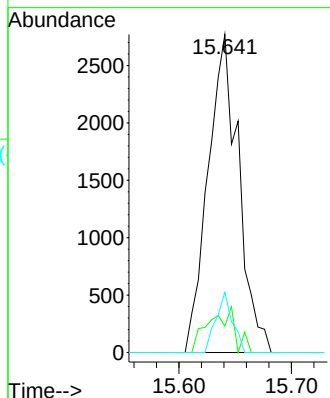
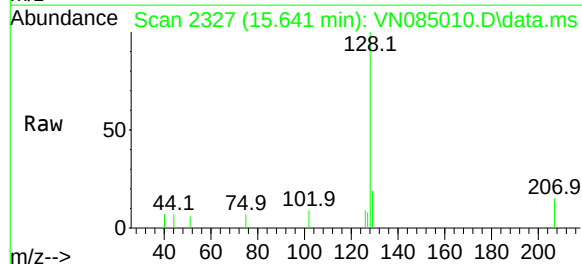
ClientSampleId :

VSTDIC001

Tgt Ion:	128	Resp:	5242
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	10.2	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 1.120 ug/l

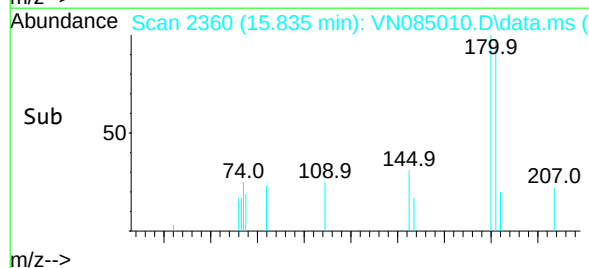
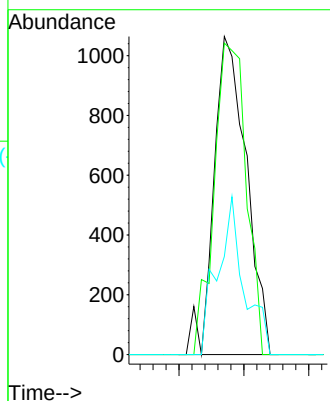
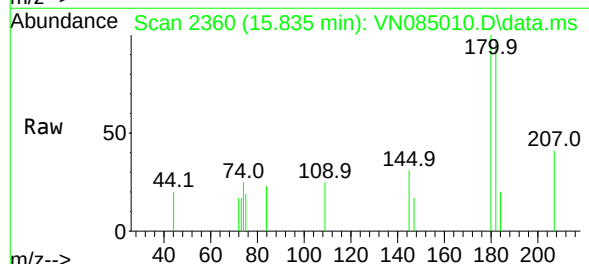
RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion:	180	Resp:	1849
Ion	Ratio	Lower	Upper
180	100		
182	97.3	46.4	139.2
145	40.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.140%
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.140%
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.980%
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.560%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l	98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l	100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l	99
44) Trichloroethene	9.347	130	93086	47.205	ug/l	98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l	95
46) Dibromomethane	9.706	93	69575	47.909	ug/l	99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l	97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l	97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l	100
52) Toluene	10.629	92	249568	49.682	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l	99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l	98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l	99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l	100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l	99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l	96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l	97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l	98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l	96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l	99
69) o-Xylene	12.394	106	173028	51.086	ug/l	98
70) Styrene	12.406	104	296759	52.687	ug/l	99
71) Bromoform	12.576	173	73244	48.617	ug/l #	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l	100
74) N-ethyl acetate	12.494	43	184990	49.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	105927m	45.225	ug/l	
77) Bromobenzene	12.976	156	108566	44.410	ug/l	99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l	98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l	98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l	99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l	99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l	99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l	97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l	100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l	99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l	99
95) Naphthalene	15.641	128	329352	46.067	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

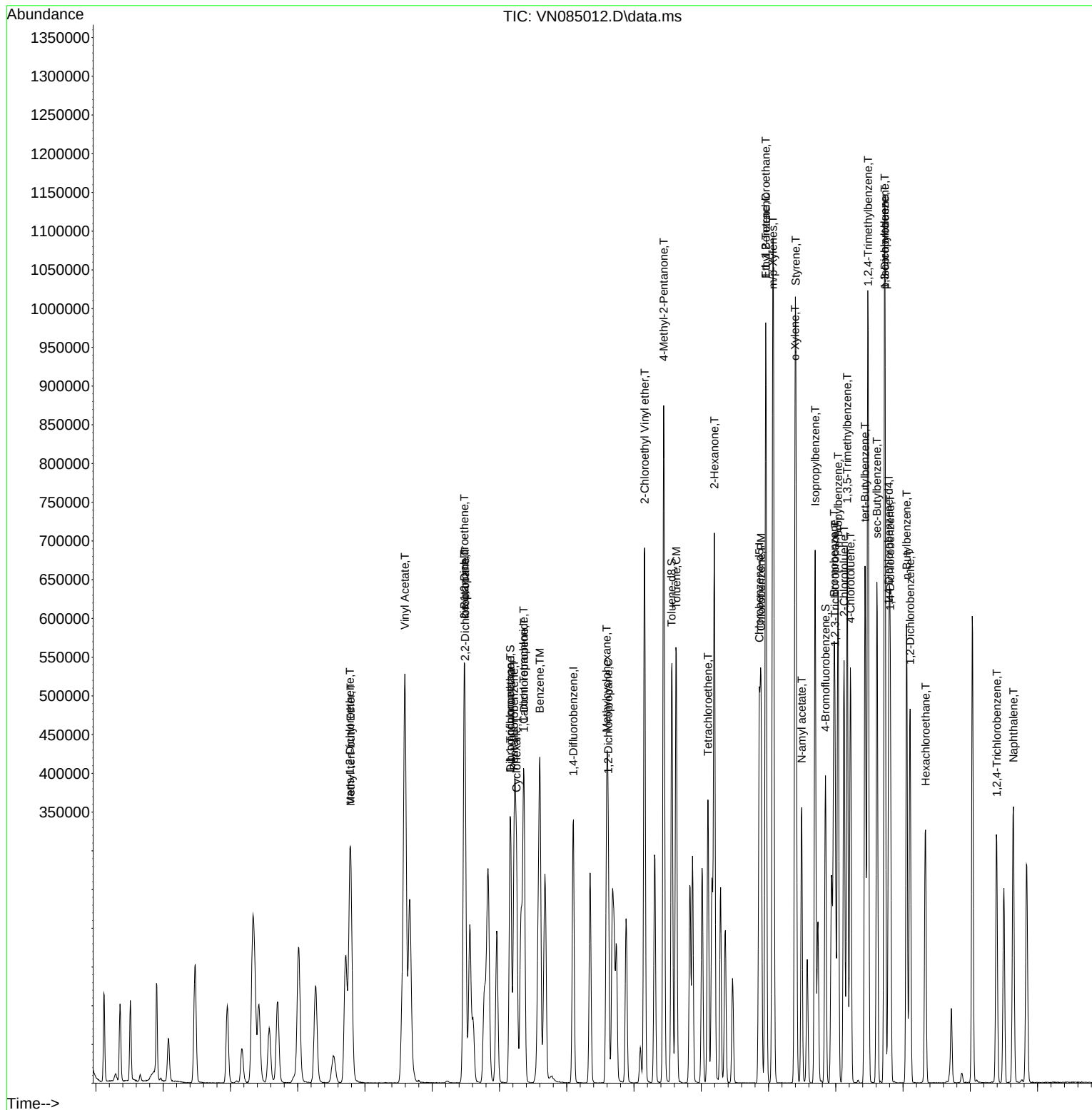
Manual Integrations

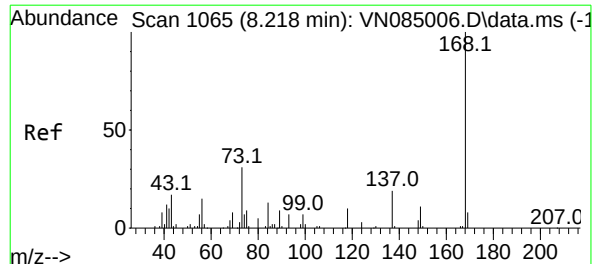
APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





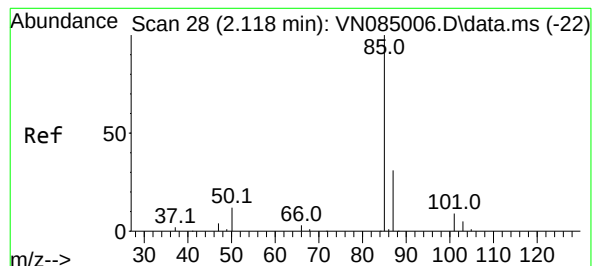
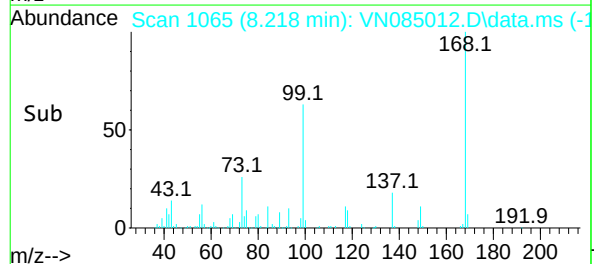
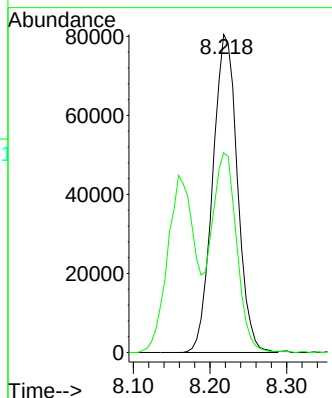
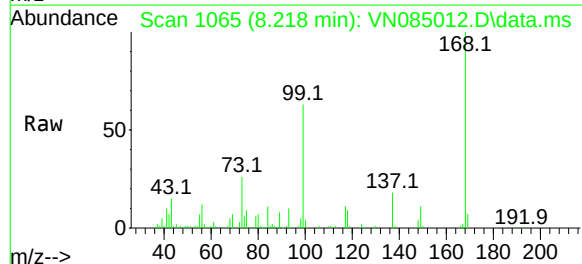
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion: 168 Resp: 180278
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8

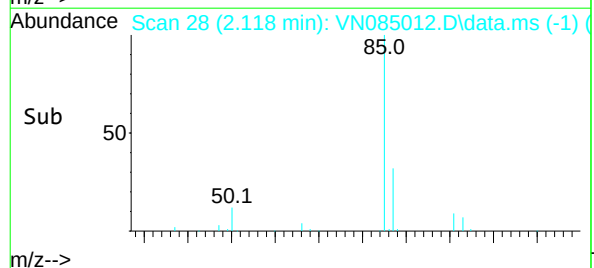
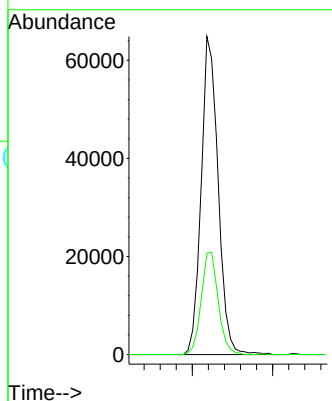
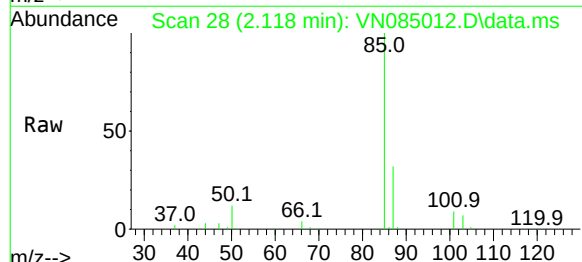
Manual Integrations
APPROVED

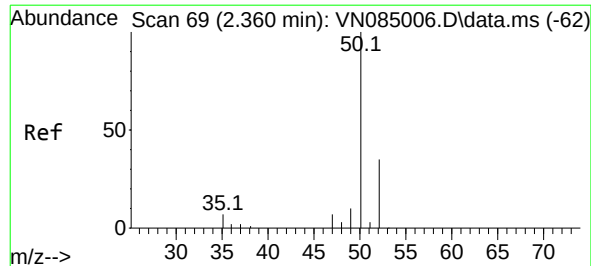
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.1





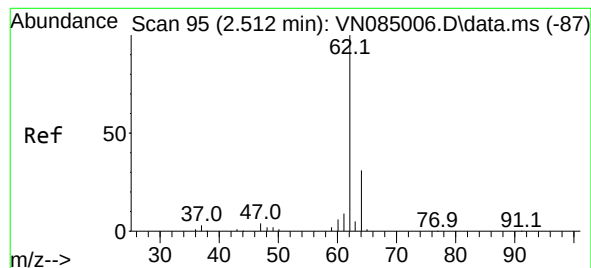
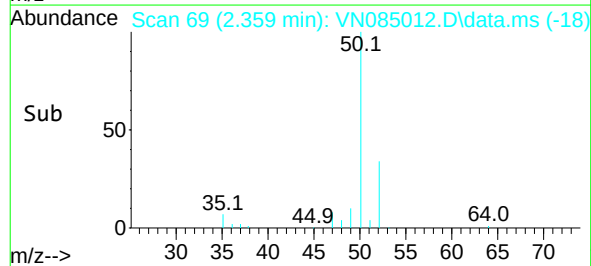
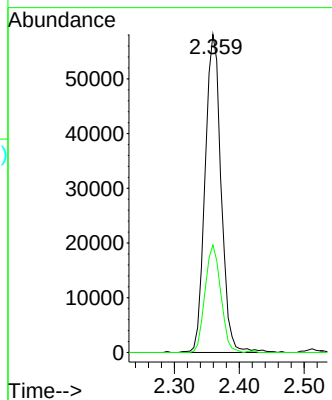
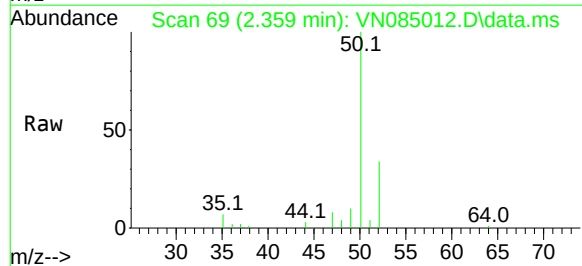
#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion: 50 Resp: 99689
Ion Ratio Lower Upper
50 100
52 33.8 27.8 41.8

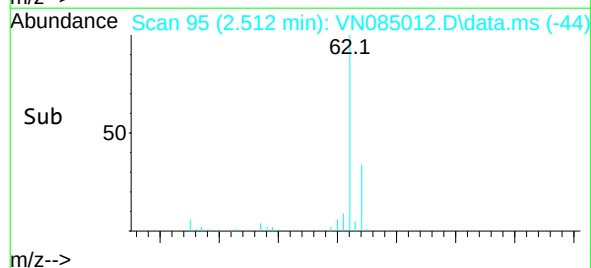
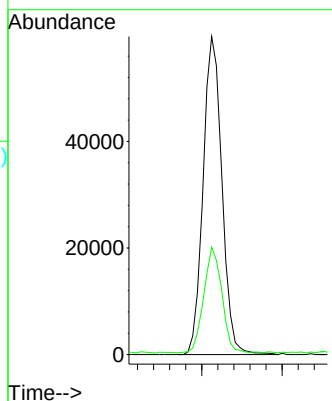
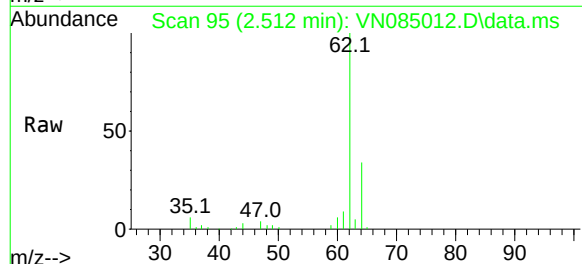
Manual Integrations
APPROVED

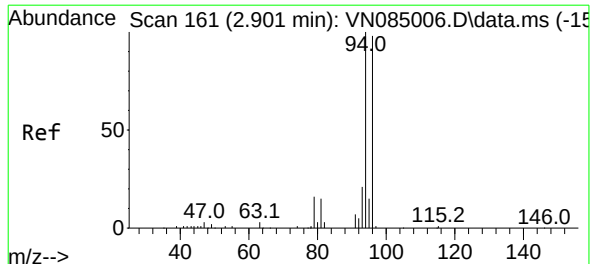
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145
Ion Ratio Lower Upper
62 100
64 33.2 24.6 36.8





#5

Bromomethane

Concen: 44.945 ug/l

RT: 2.900 min Scan# 161

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 94 Resp: 53525

Ion Ratio Lower Upper

94 100

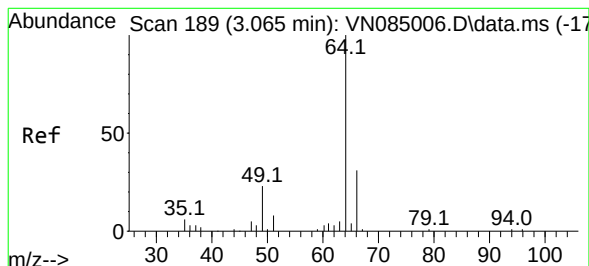
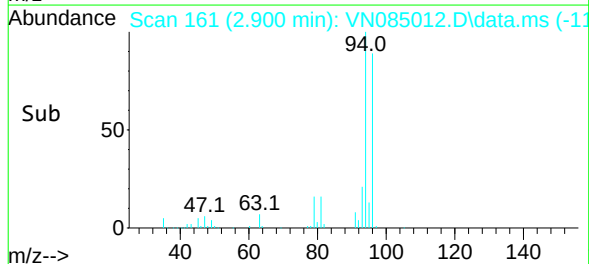
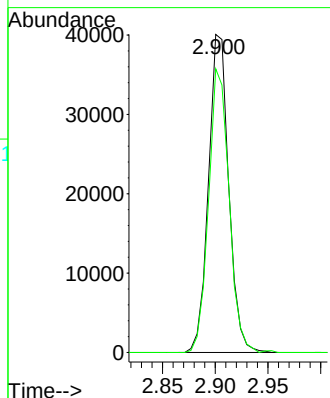
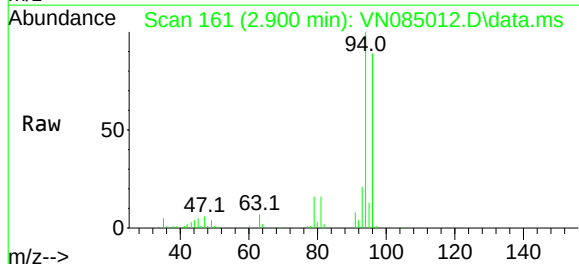
96 89.2 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 41.527 ug/l

RT: 3.077 min Scan# 191

Delta R.T. 0.012 min

Lab File: VN085012.D

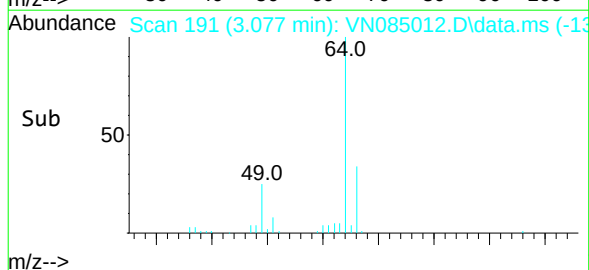
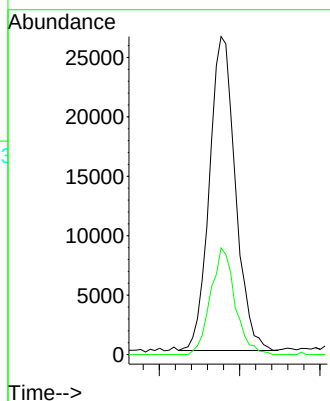
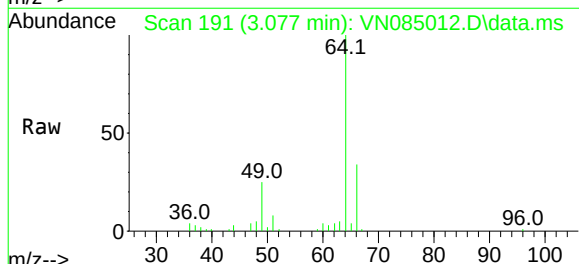
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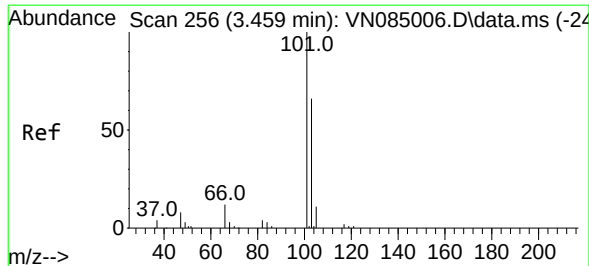
Tgt Ion: 64 Resp: 59473

Ion Ratio Lower Upper

64 100

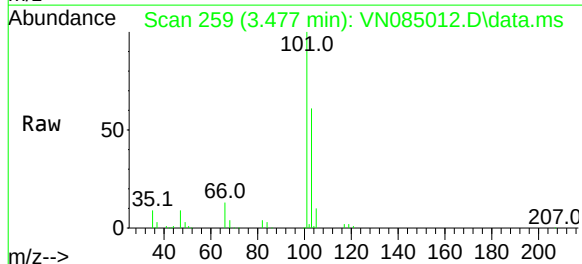
66 34.0 24.4 36.6





#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 256
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

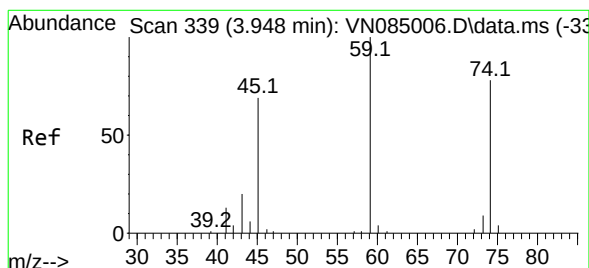
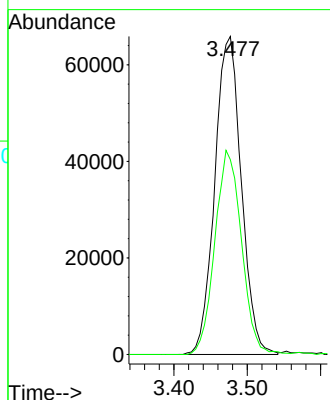
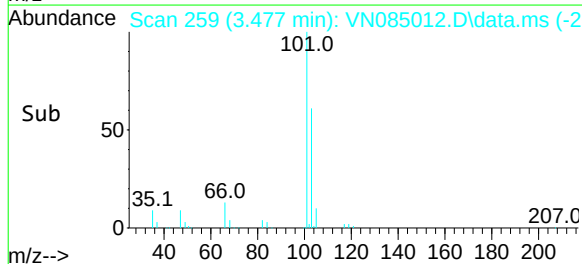
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224



Tgt Ion: 101 Resp: 165959
Ion Ratio Lower Upper
101 100
103 61.3 52.6 78.8

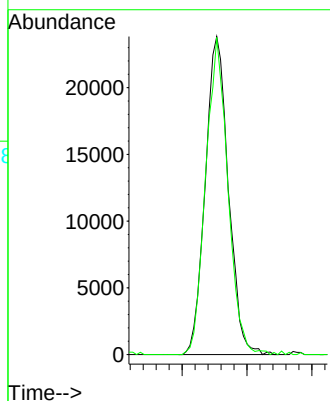
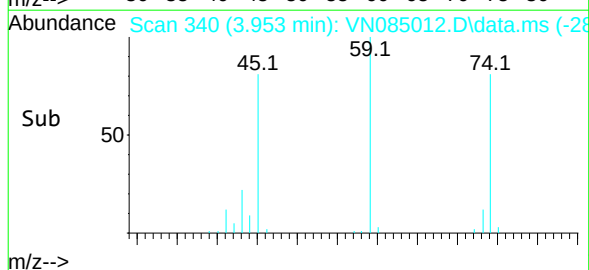
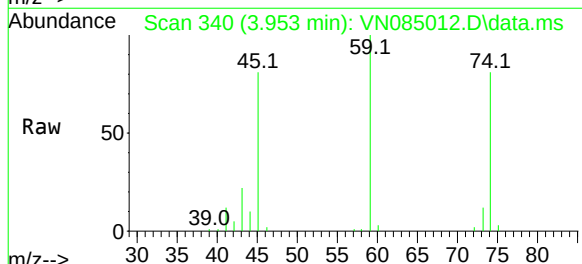
Manual Integrations
APPROVED

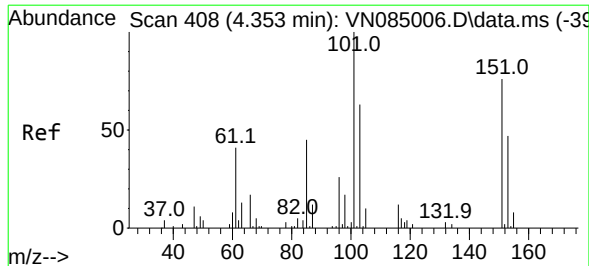
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978
Ion Ratio Lower Upper
74 100
45 95.6 46.7 140.1





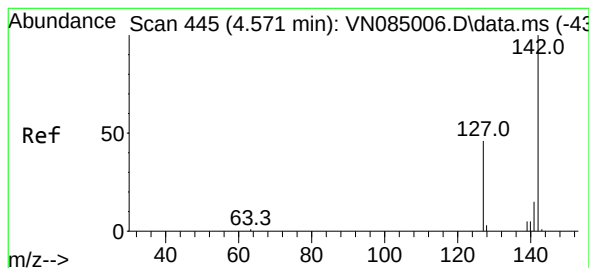
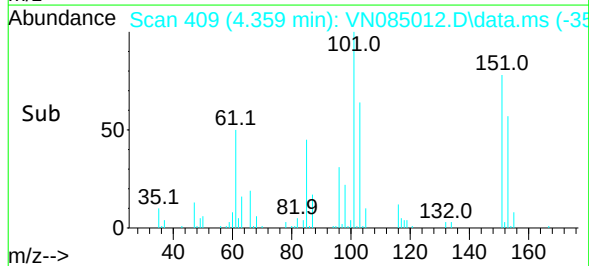
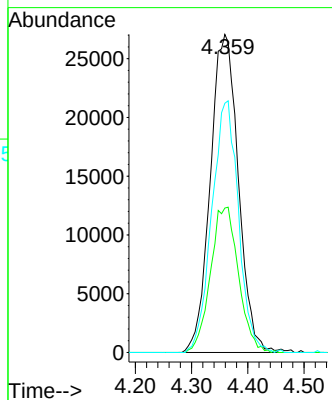
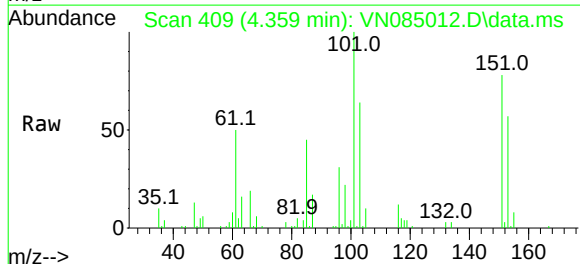
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion	101	Resp	93701
Ion Ratio	100		
85	45.7	36.9	55.3
151	75.2	60.8	91.2

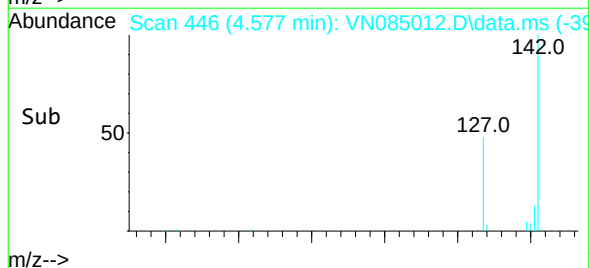
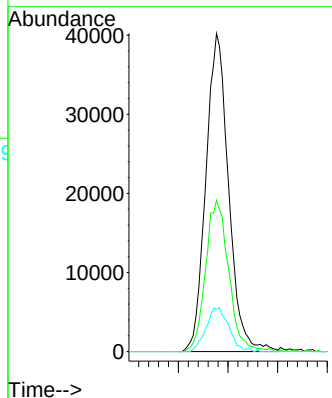
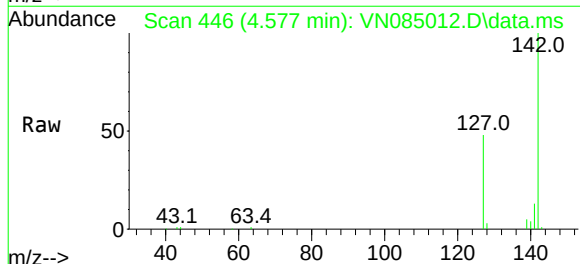
Manual Integrations
APPROVED

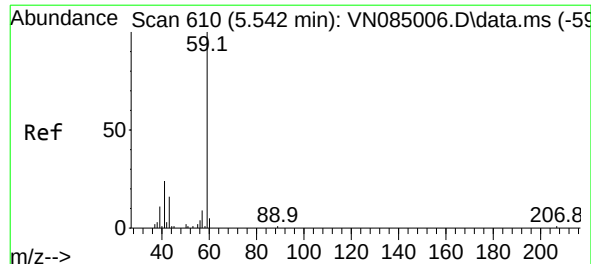
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion	142	Resp	127705
Ion Ratio <td>100</td> <td></td> <td></td>	100		
127	47.6	36.6	54.8
141	13.3	12.2	18.4





#11

Tert butyl alcohol

Concen: 216.857 ug/l

RT: 5.536 min Scan# 609

Delta R.T. -0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 59 Resp: 74416

Ion Ratio Lower Upper

59 100

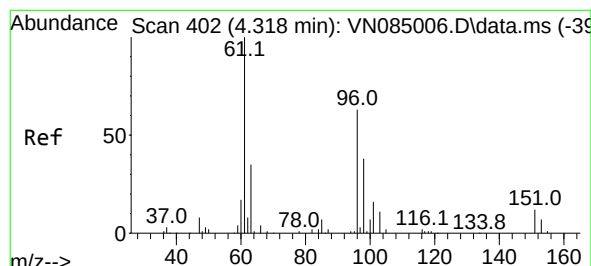
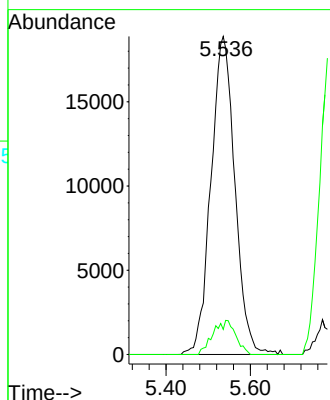
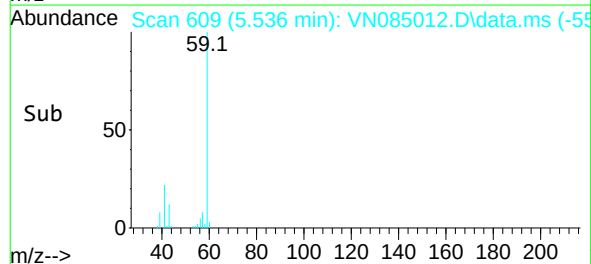
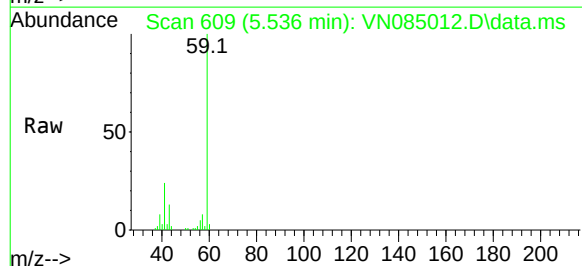
57 10.1 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 46.677 ug/l

RT: 4.330 min Scan# 404

Delta R.T. 0.012 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

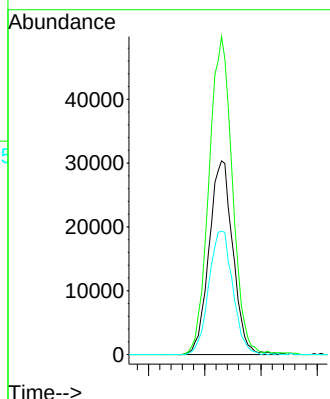
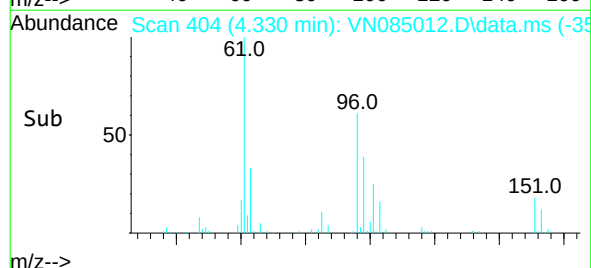
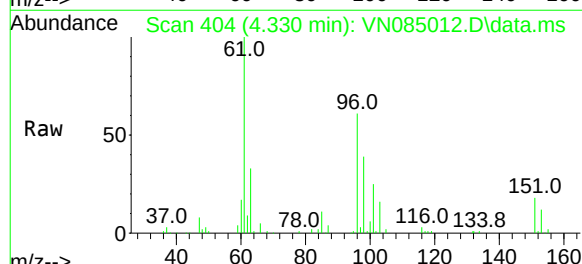
Tgt Ion: 96 Resp: 89314

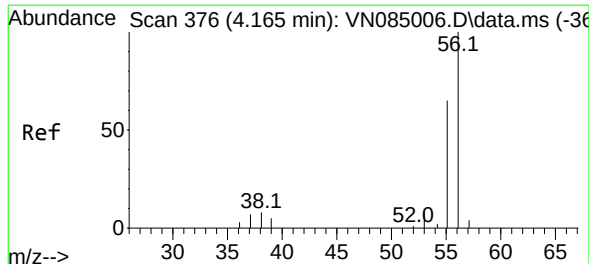
Ion Ratio Lower Upper

96 100

61 164.2 127.8 191.8

98 63.7 49.2 73.8





#13

Acrolein

Concen: 256.710 ug/l

RT: 4.171 min Scan# 37

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 56 Resp: 58781

Ion Ratio Lower Upper

56 100

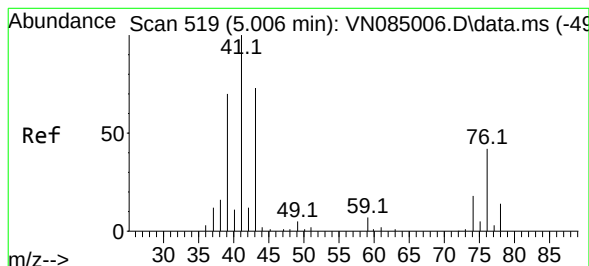
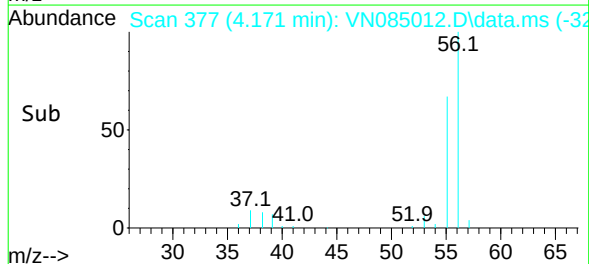
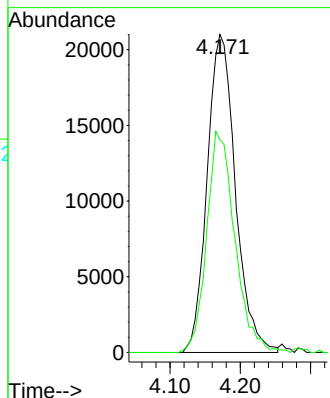
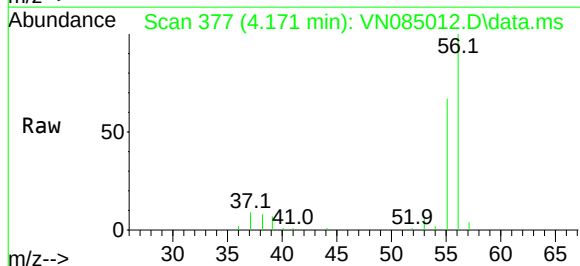
55 69.2 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 47.178 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

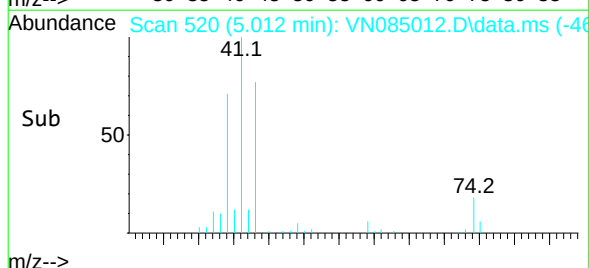
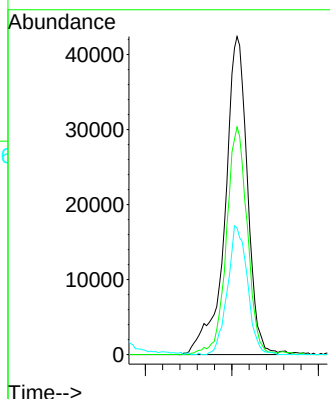
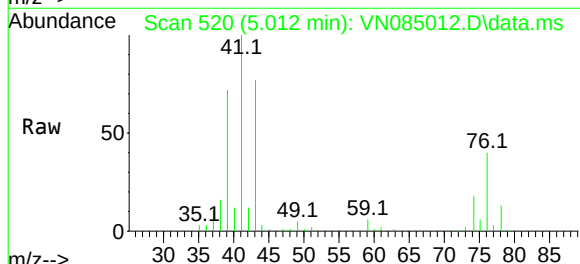
Tgt Ion: 41 Resp: 152182

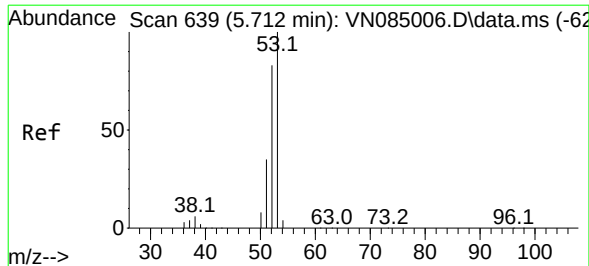
Ion Ratio Lower Upper

41 100

39 66.6 53.8 80.8

76 35.9 29.3 43.9





#15

Acrylonitrile

Concen: 232.029 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN085012.D

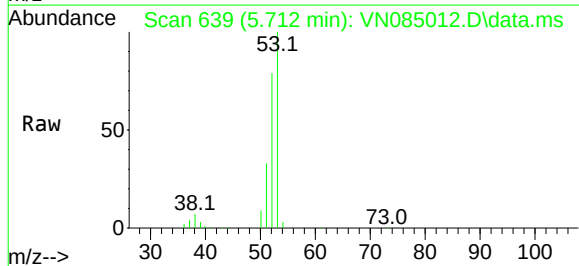
Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

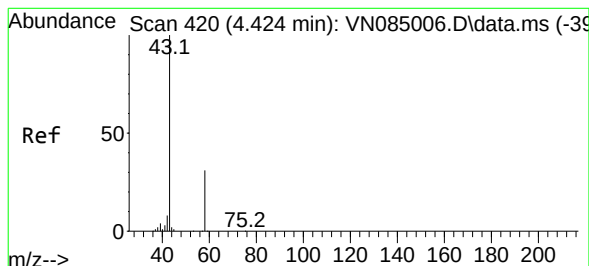
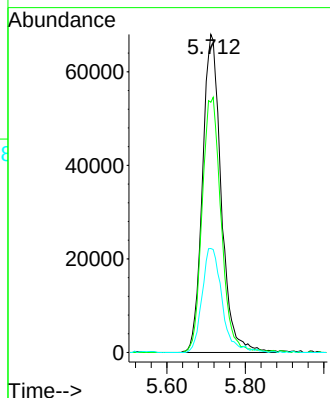
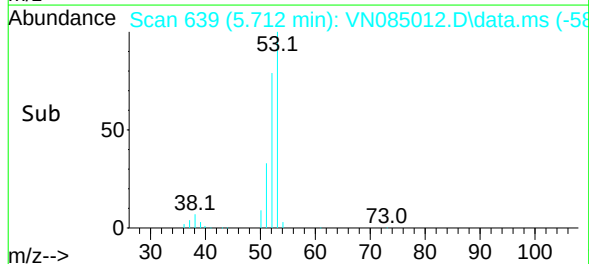
ICNVN112224



Tgt Ion:	53	Resp:	225423
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.5	98.3
51	34.6	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

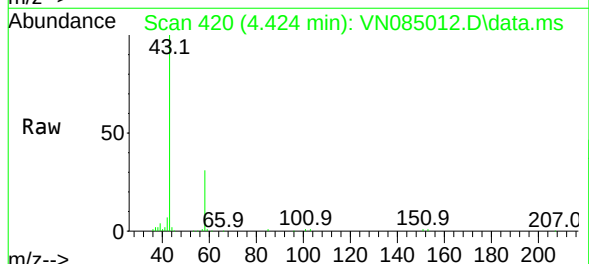
Concen: 252.665 ug/l

RT: 4.424 min Scan# 420

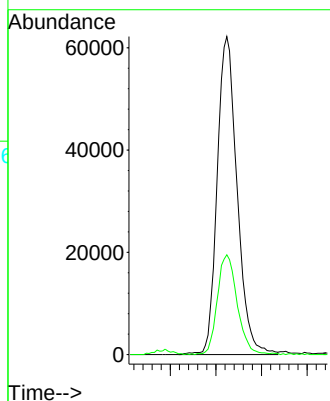
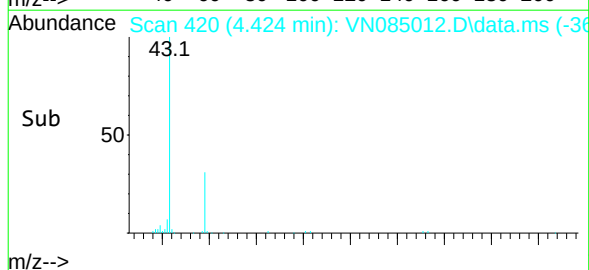
Delta R.T. -0.000 min

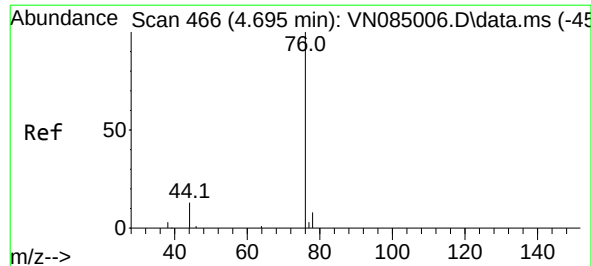
Lab File: VN085012.D

Acq: 22 Nov 2024 16:07



Tgt Ion:	43	Resp:	188963
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.4	38.2





#17

Carbon Disulfide

Concen: 43.362 ug/l

RT: 4.700 min Scan# 46

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 76 Resp: 244899

Ion Ratio Lower Upper

76 100

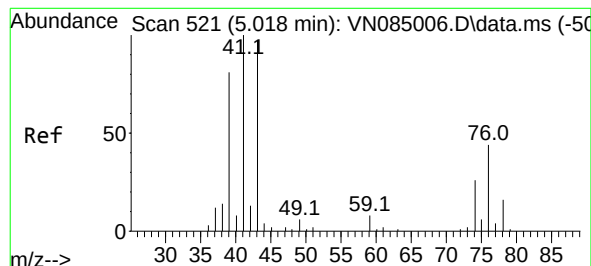
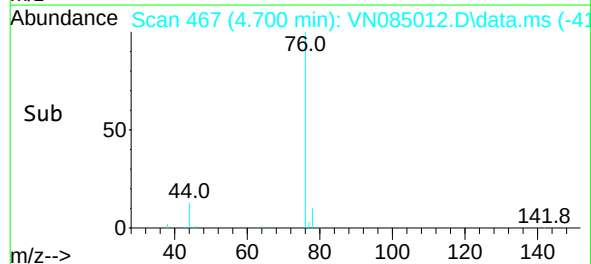
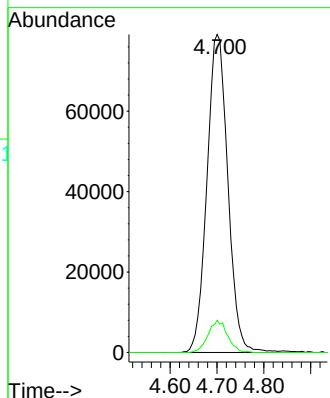
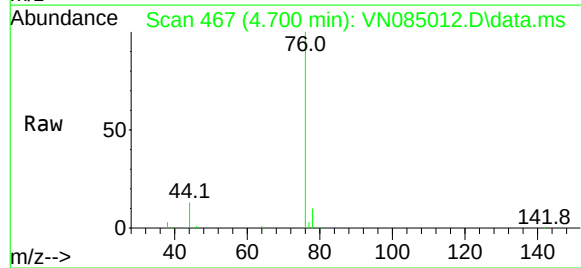
78 10.1 6.5 9.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 46.500 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085012.D

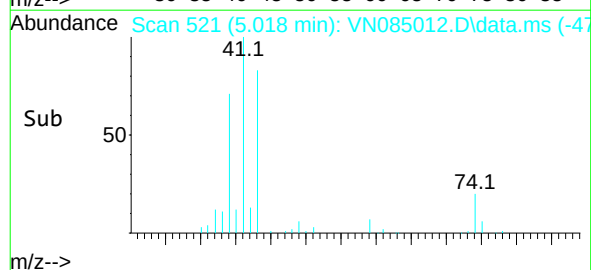
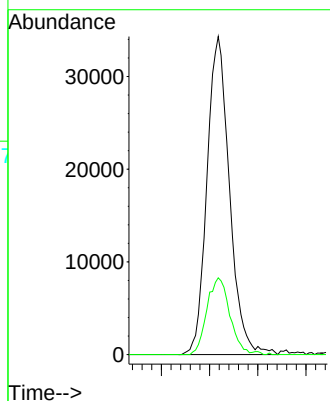
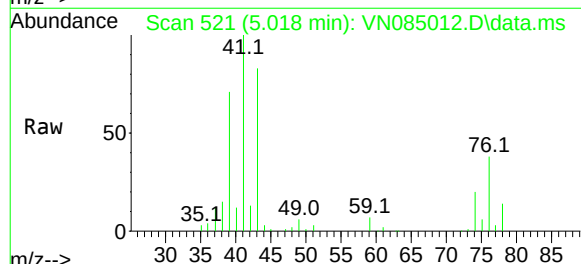
Acq: 22 Nov 2024 16:07

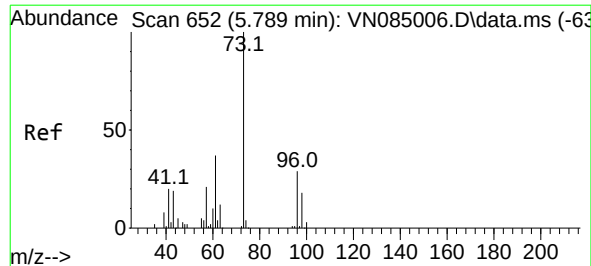
Tgt Ion: 43 Resp: 111346

Ion Ratio Lower Upper

43 100

74 24.4 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 48.602 ug/l

RT: 5.789 min Scan# 65

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 73 Resp: 303857

Ion Ratio Lower Upper

73 100

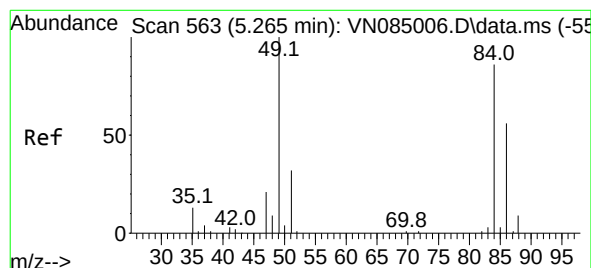
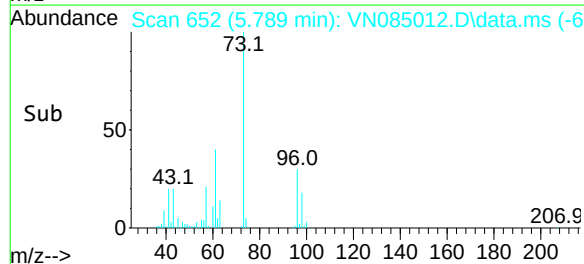
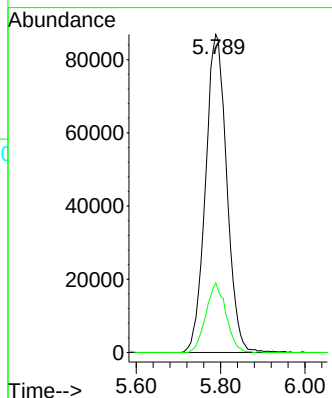
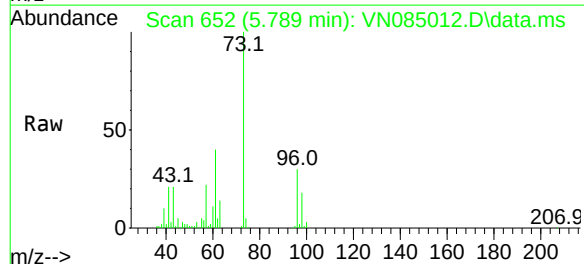
57 21.9 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 43.090 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339

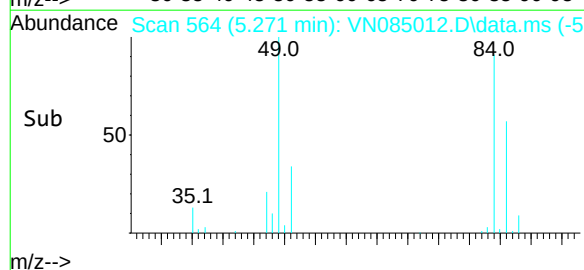
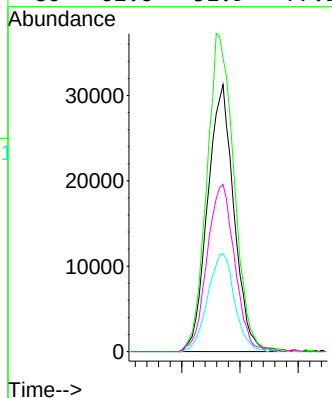
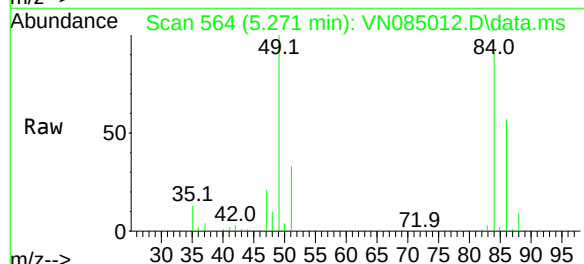
Ion Ratio Lower Upper

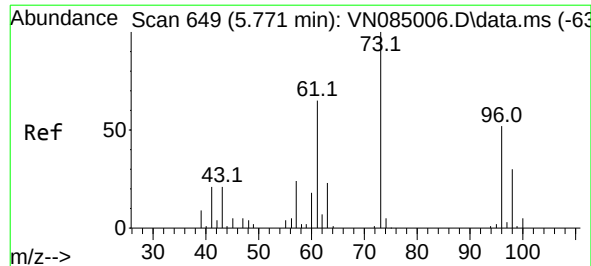
84 100

49 110.0 92.7 139.1

51 36.7 29.4 44.2

86 62.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.805 ug/l

RT: 5.777 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085012.D

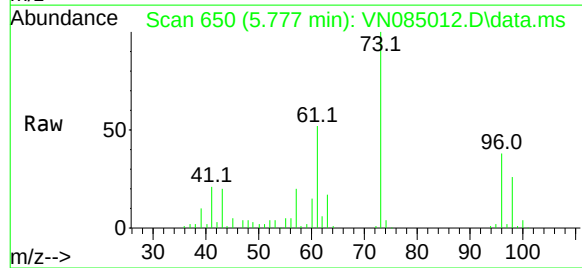
Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224



Tgt Ion: 96 Resp: 92234

Ion Ratio Lower Upper

96 100

61 136.1 100.7 151.1

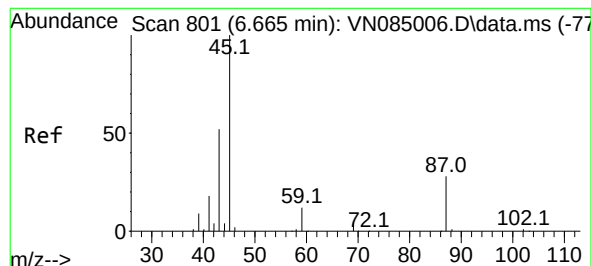
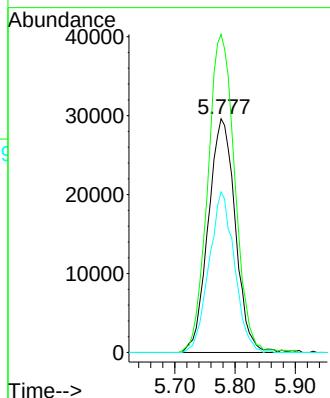
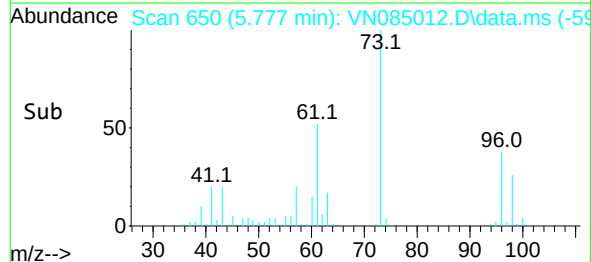
98 68.7 45.8 68.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

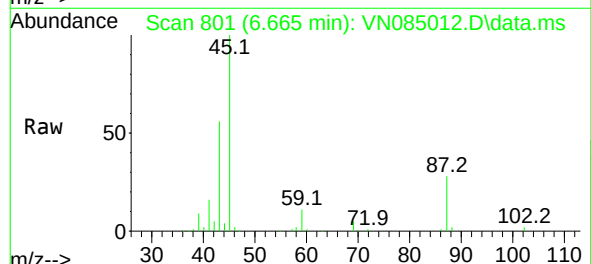
Concen: 47.281 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07



Tgt Ion: 45 Resp: 306957

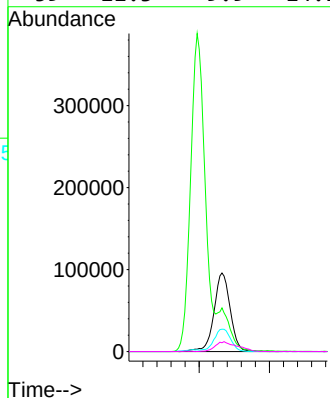
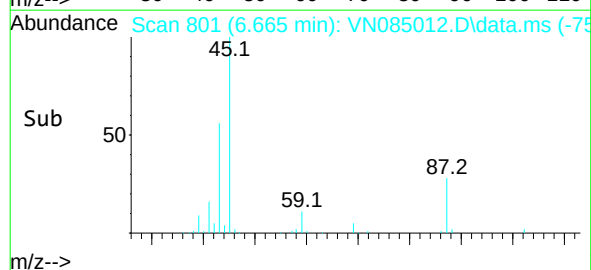
Ion Ratio Lower Upper

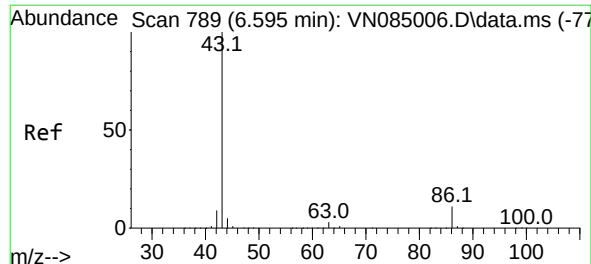
45 100

43 55.0 42.7 64.1

87 28.5 22.6 34.0

59 11.3 9.9 14.9





#23

Vinyl Acetate

Concen: 247.560 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 43 Resp: 1108786

Ion Ratio Lower Upper

43 100

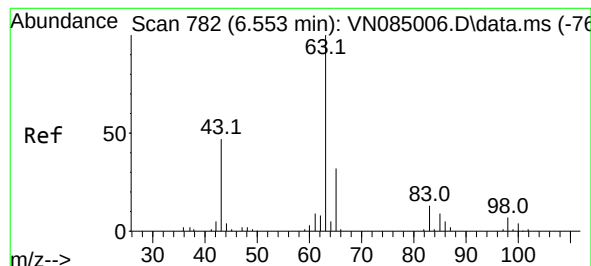
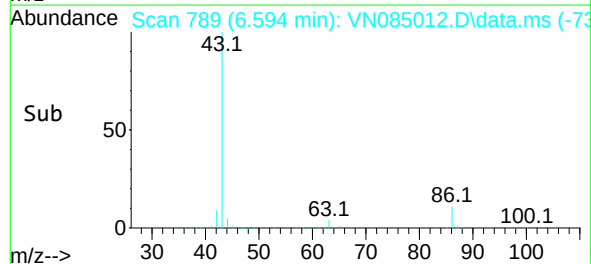
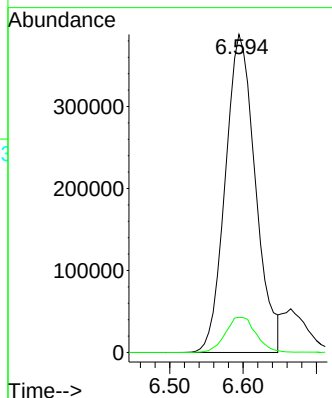
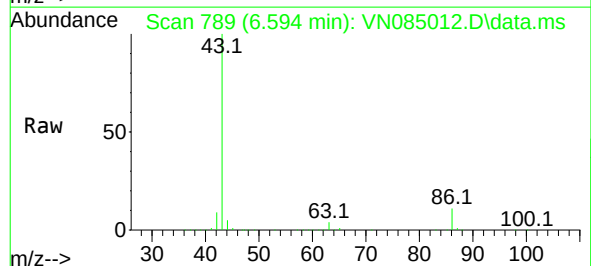
86 11.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 45.647 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

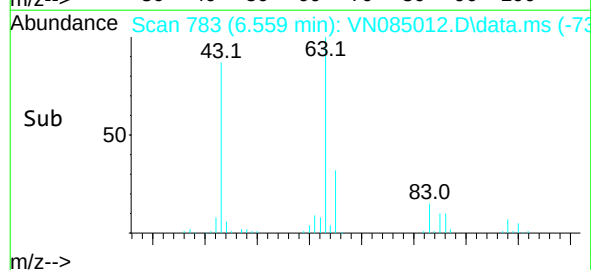
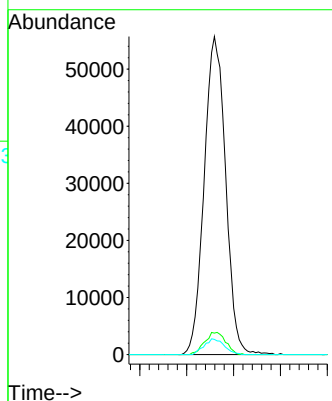
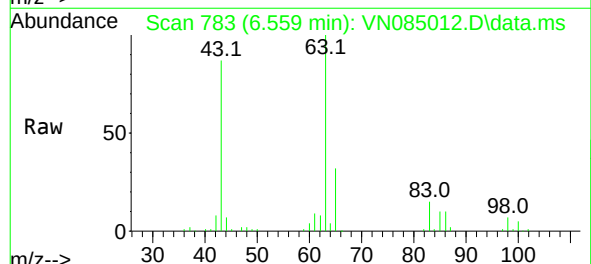
Tgt Ion: 63 Resp: 177343

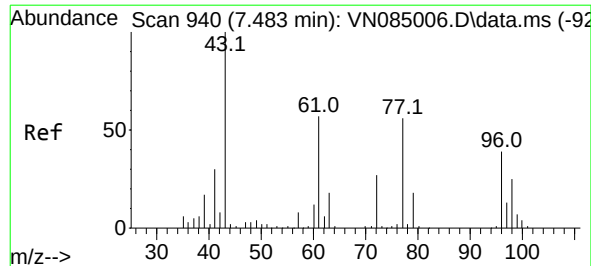
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.8 2.2 6.6





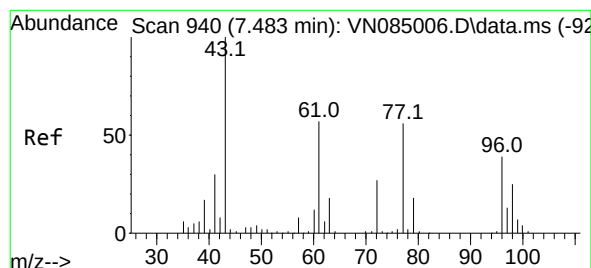
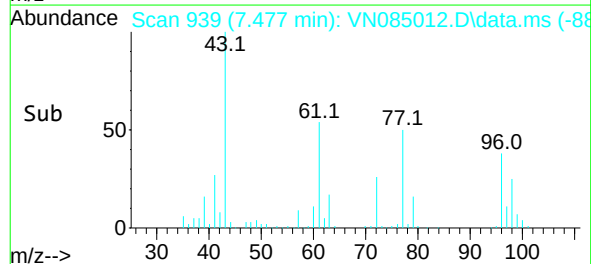
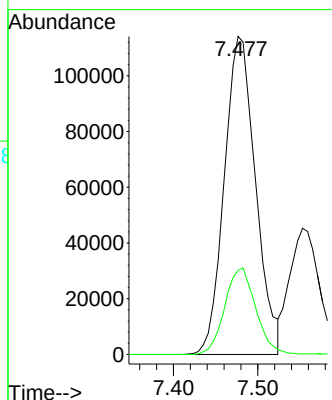
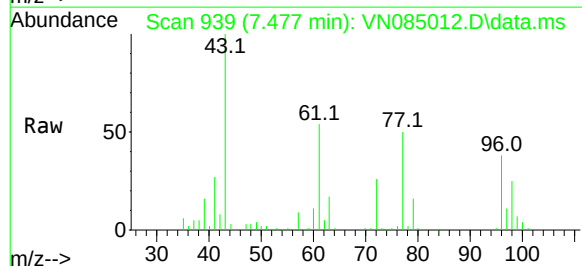
#25
2-Butanone
Concen: 240.802 ug/l
RT: 7.477 min Scan# 93
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion: 43 Resp: 294434
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.0

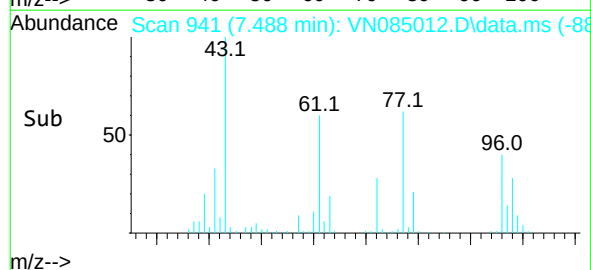
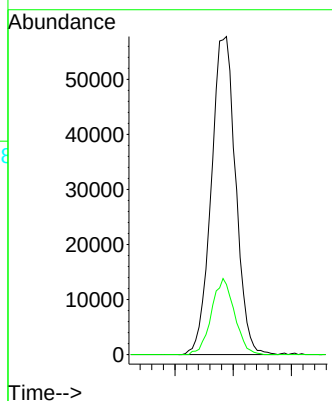
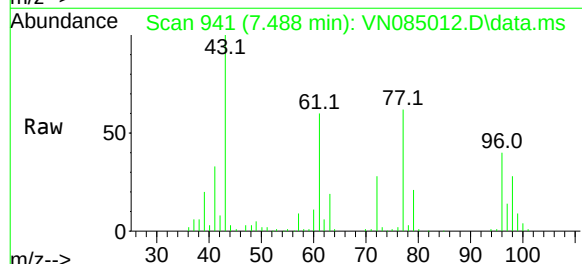
Manual Integrations
APPROVED

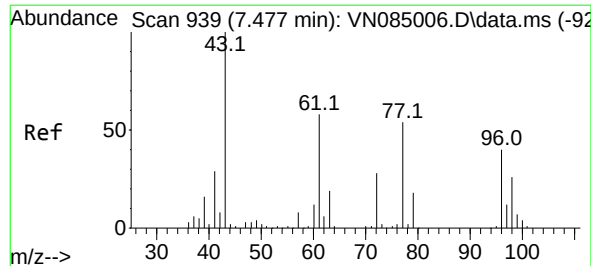
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#26
2,2-Dichloropropane
Concen: 46.349 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 77 Resp: 168144
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.7





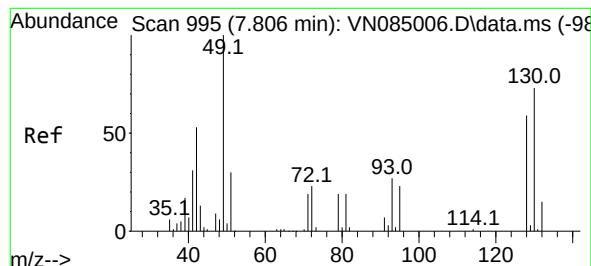
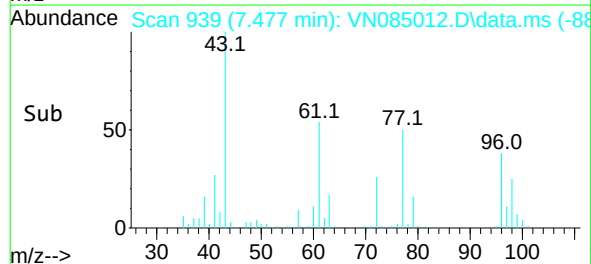
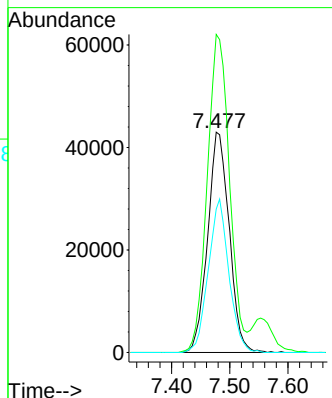
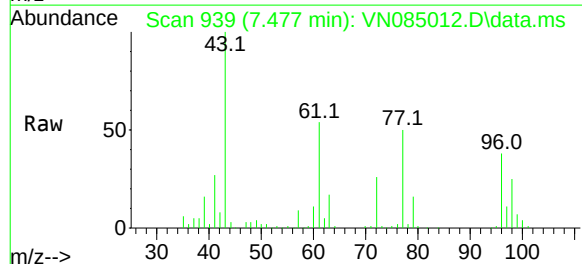
#27
cis-1,2-Dichloroethene
Concen: 45.609 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion: 96 Resp: 110716
Ion Ratio Lower Upper
96 100
61 149.3 0.0 291.6
98 66.6 0.0 129.8

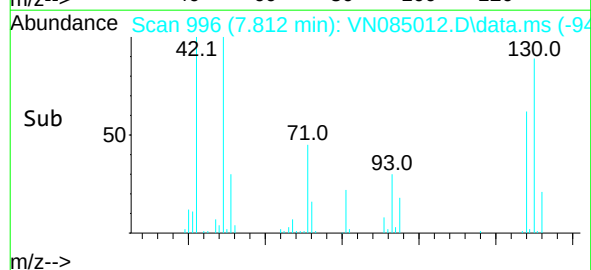
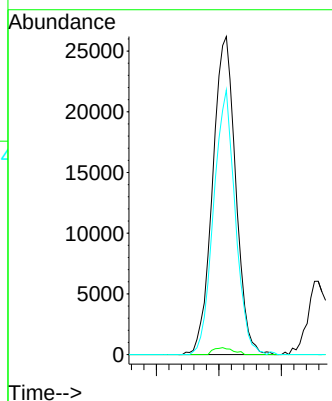
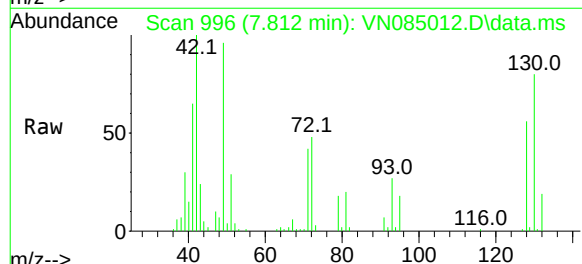
Manual Integrations
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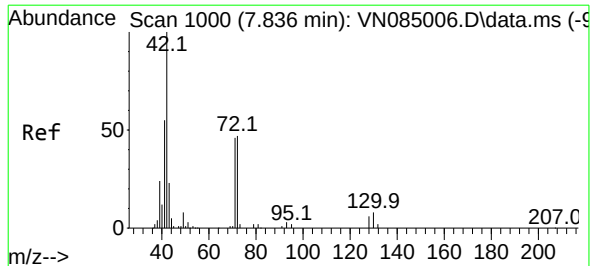
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#28
Bromochloromethane
Concen: 45.913 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335
Ion Ratio Lower Upper
49 100
129 1.9 0.0 4.0
130 78.0 60.6 90.8





#29

Tetrahydrofuran

Concen: 241.241 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 42 Resp: 183433

Ion Ratio Lower Upper

42 100

72 46.4 37.0 55.4

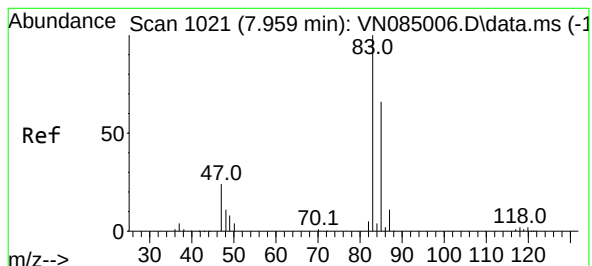
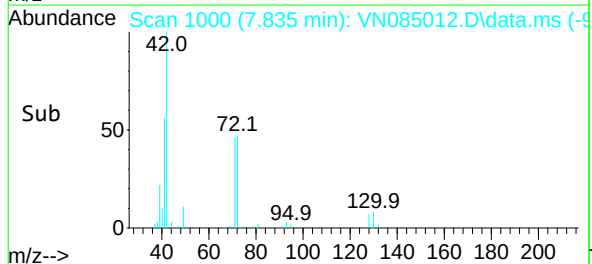
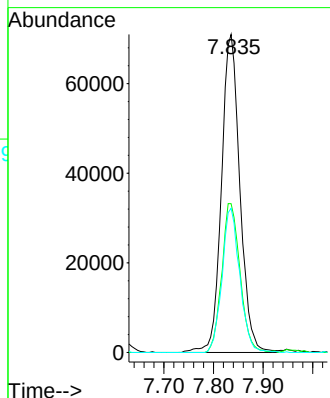
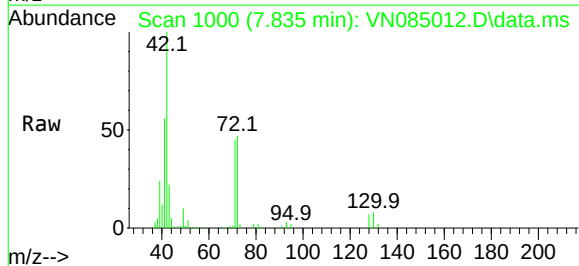
71 43.6 35.0 52.4

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 45.623 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085012.D

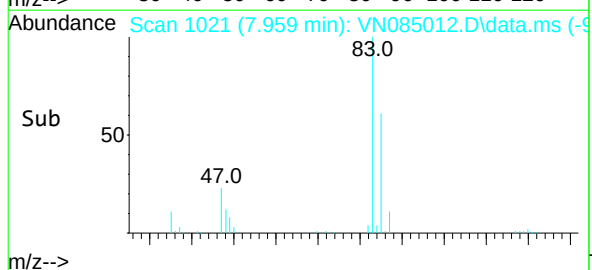
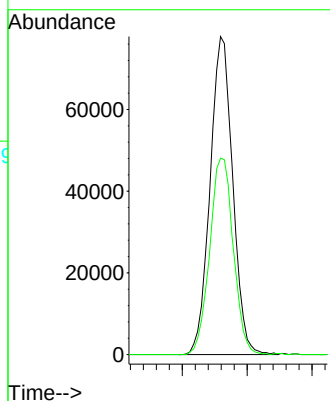
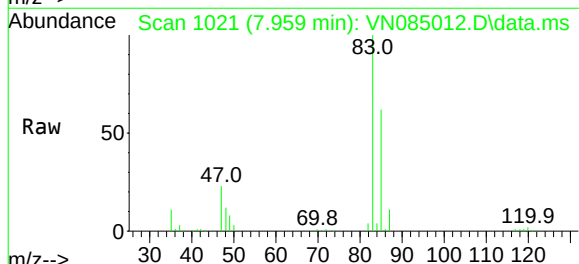
Acq: 22 Nov 2024 16:07

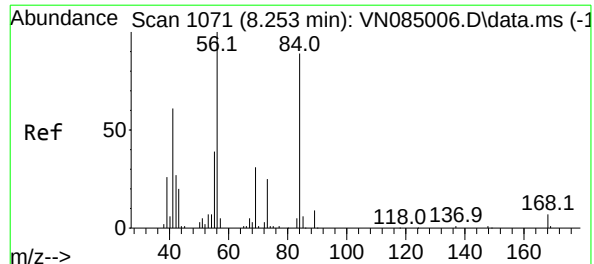
Tgt Ion: 83 Resp: 188550

Ion Ratio Lower Upper

83 100

85 61.8 52.6 78.8





#31

Cyclohexane

Concen: 46.084 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 56 Resp: 157639

Ion Ratio Lower Upper

56 100

69 30.0 24.6 36.8

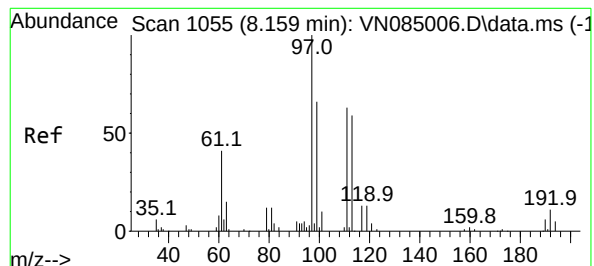
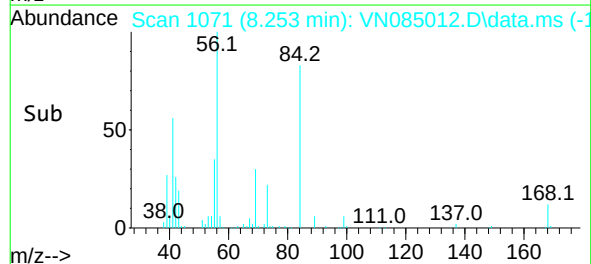
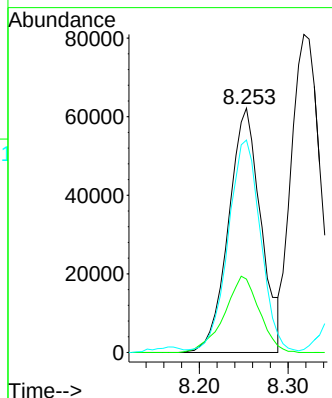
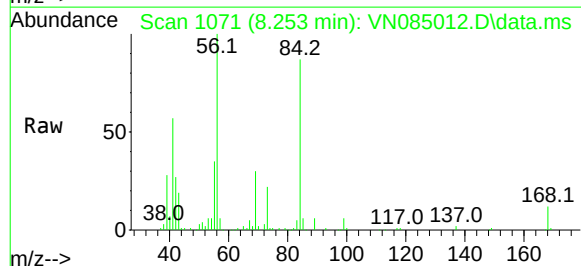
84 85.3 71.4 107.2

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 45.714 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

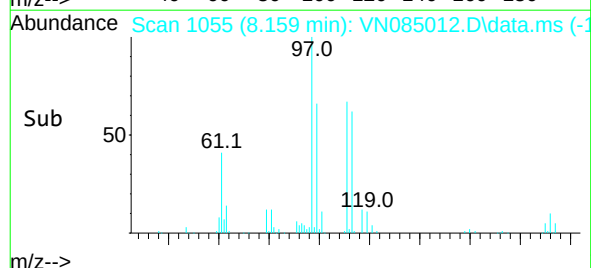
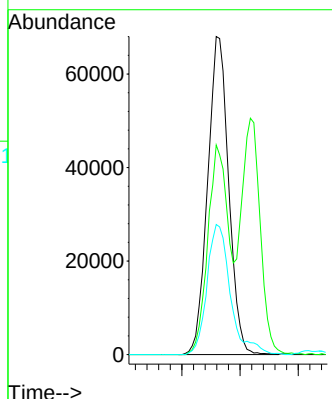
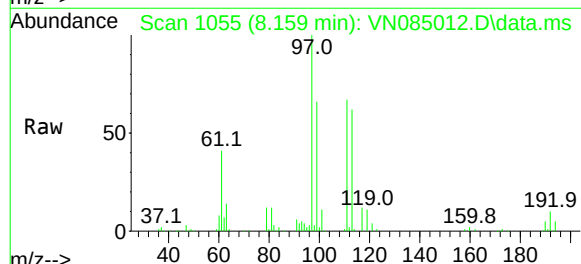
Tgt Ion: 97 Resp: 170723

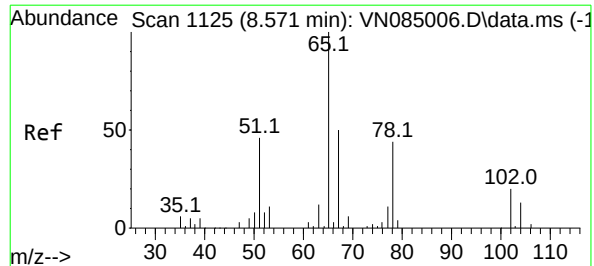
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.4

61 45.6 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 50.568 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 65 Resp: 129855

Ion Ratio Lower Upper

65 100

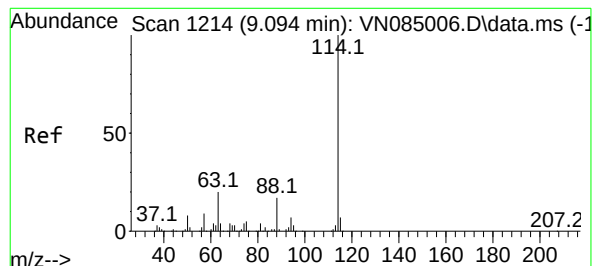
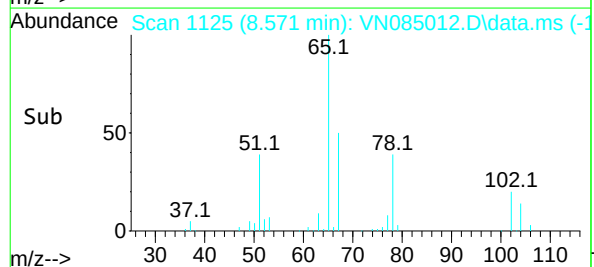
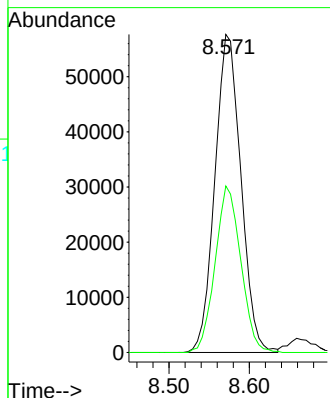
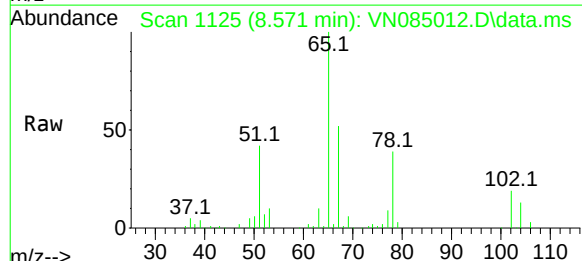
67 51.6 0.0 105.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

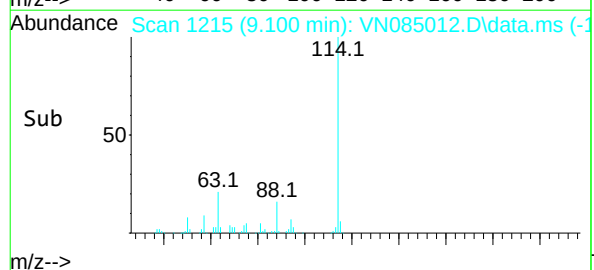
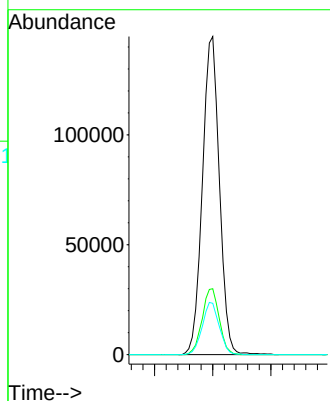
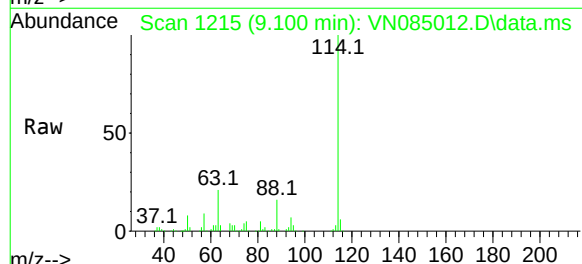
Tgt Ion:114 Resp: 293712

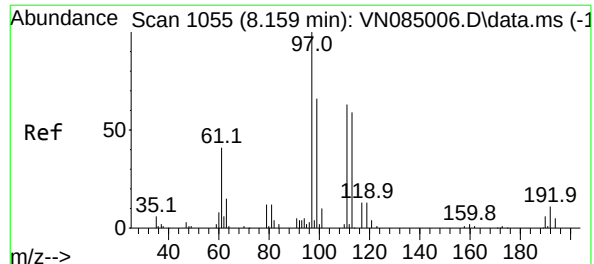
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.0

88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.572 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:113 Resp: 102148

Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

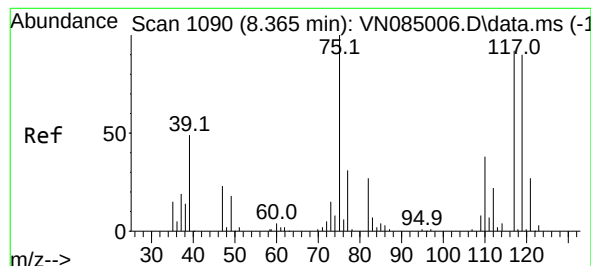
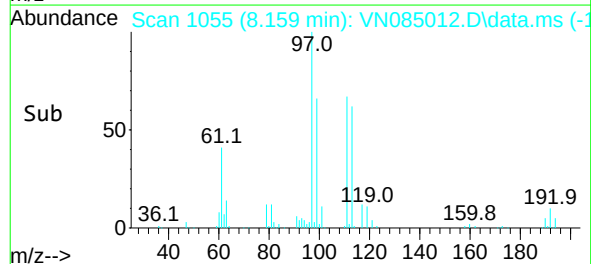
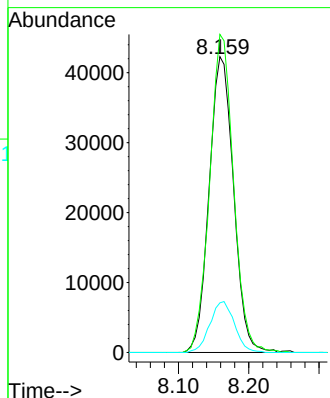
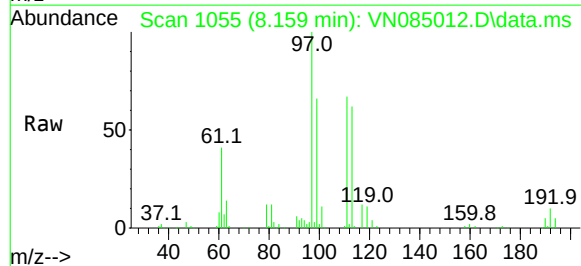
192 17.4 14.8 22.2

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 48.093 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

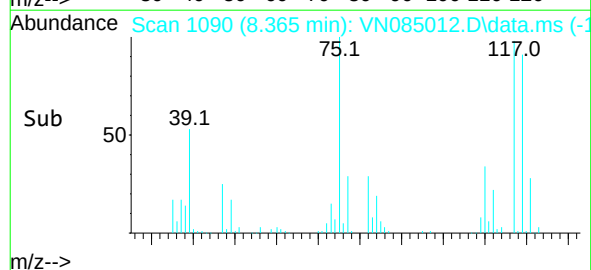
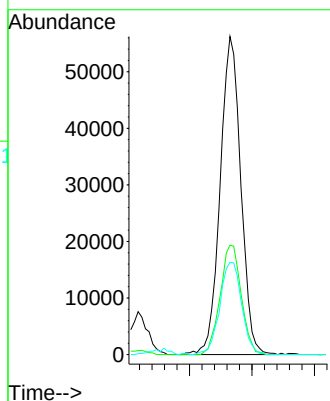
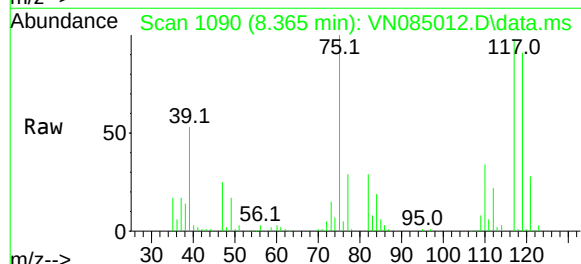
Tgt Ion: 75 Resp: 129026

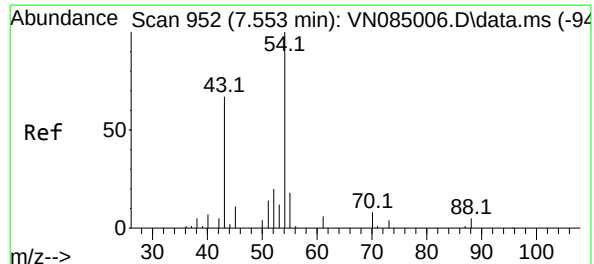
Ion Ratio Lower Upper

75 100

110 35.2 17.2 51.6

77 30.7 24.2 36.4





#37

Ethyl Acetate

Concen: 46.651 ug/l

RT: 7.553 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 43 Resp: 113781

Ion Ratio Lower Upper

43 100

61 14.9 11.7 17.5

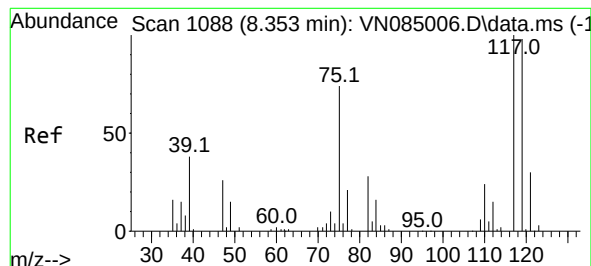
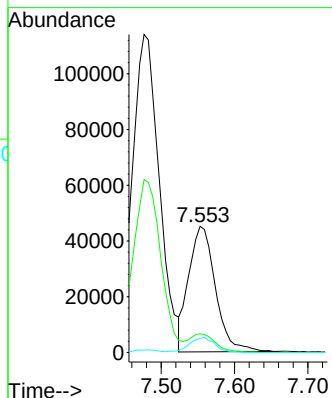
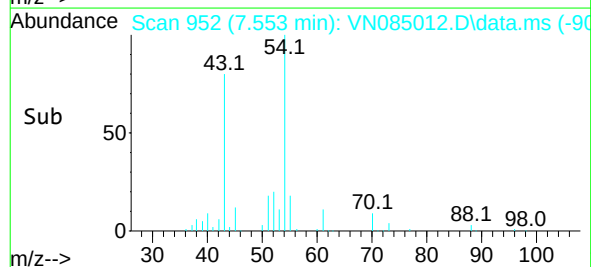
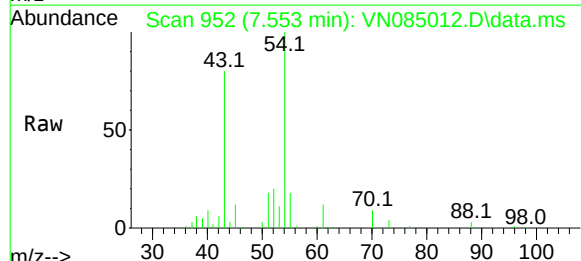
70 11.5 9.3 13.9

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 48.846 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

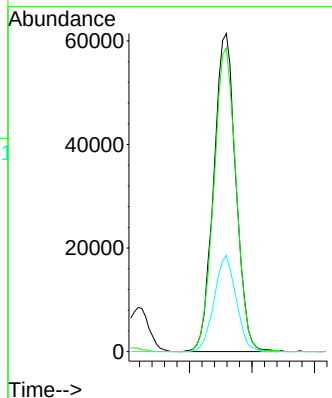
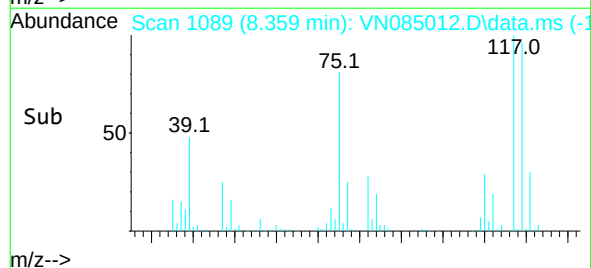
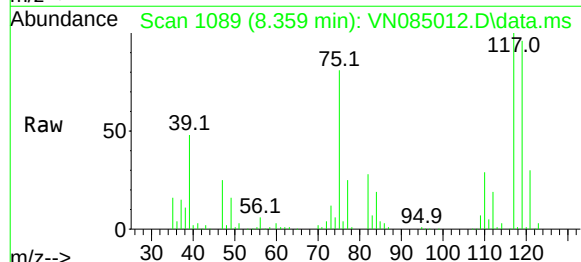
Tgt Ion:117 Resp: 151265

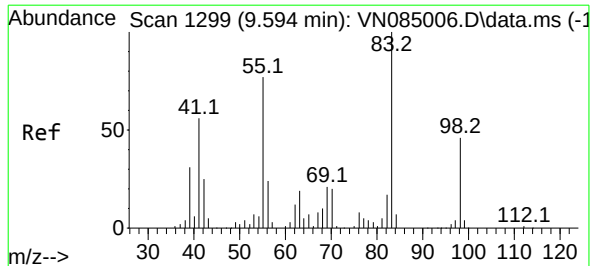
Ion Ratio Lower Upper

117 100

119 95.5 78.6 117.8

121 30.3 24.2 36.2





#39

Methylcyclohexane

Concen: 52.114 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 83 Resp: 145286

Ion Ratio Lower Upper

83 100

55 79.2 61.8 92.6

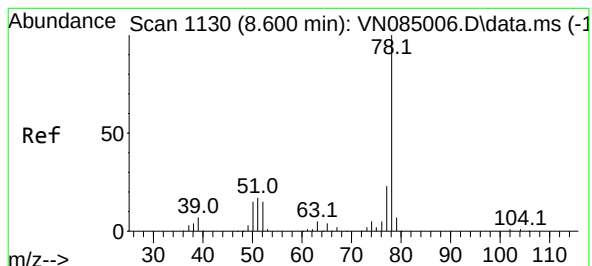
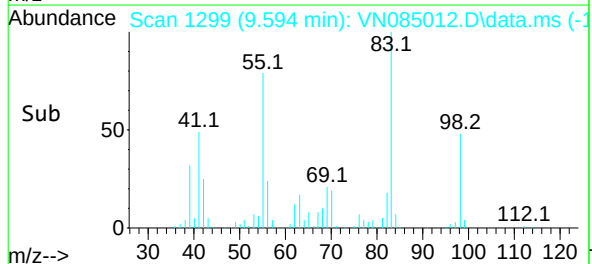
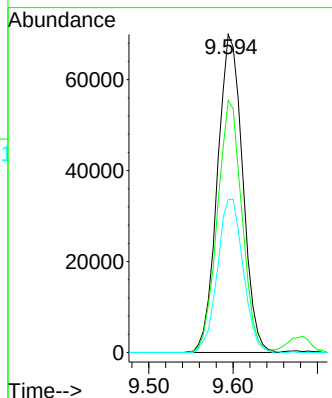
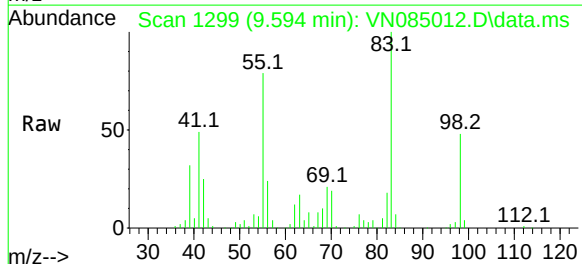
98 48.1 37.0 55.6

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 47.675 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085012.D

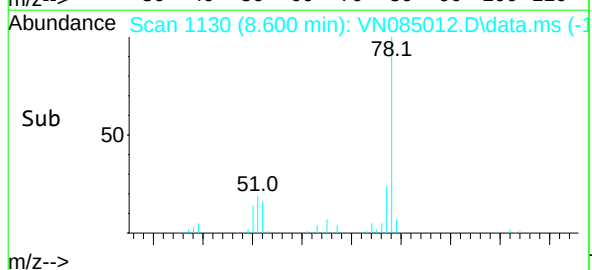
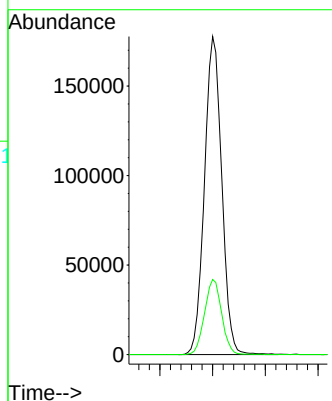
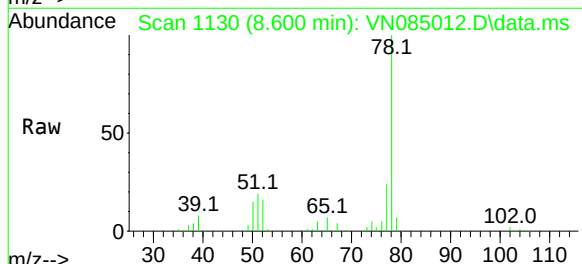
Acq: 22 Nov 2024 16:07

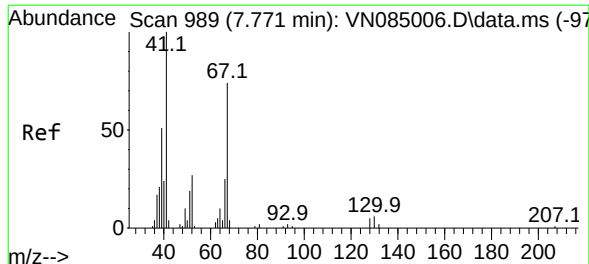
Tgt Ion: 78 Resp: 404536

Ion Ratio Lower Upper

78 100

77 23.6 18.5 27.7





#41

Methacrylonitrile

Concen: 49.311 ug/l

RT: 7.771 min Scan# 989

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 41 Resp: 66590

Ion Ratio Lower Upper

41 100

39 56.6 42.6 63.8

67 75.5 59.9 89.9

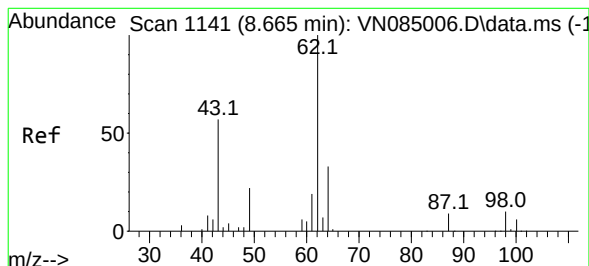
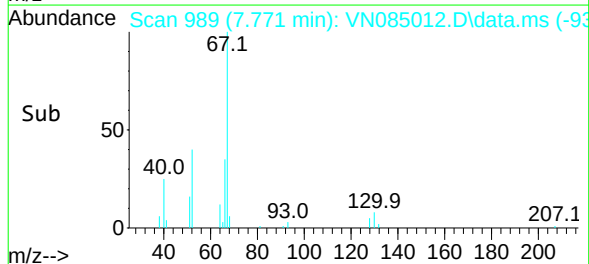
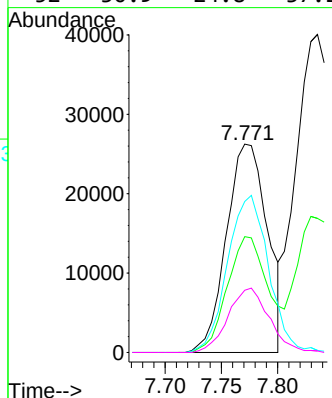
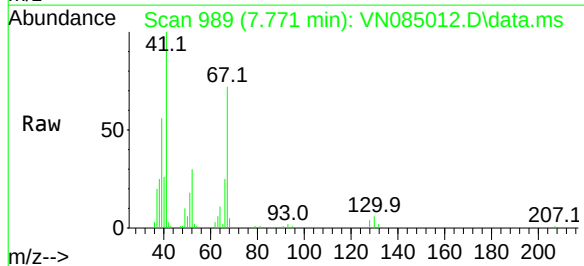
52 30.9 24.8 37.2

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 47.025 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN085012.D

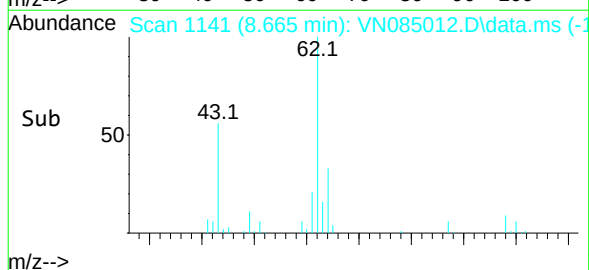
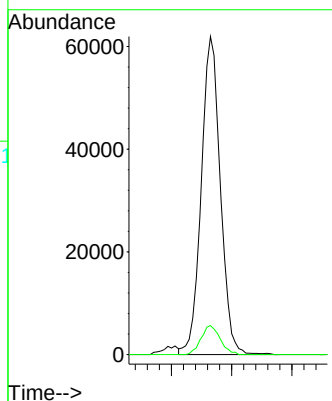
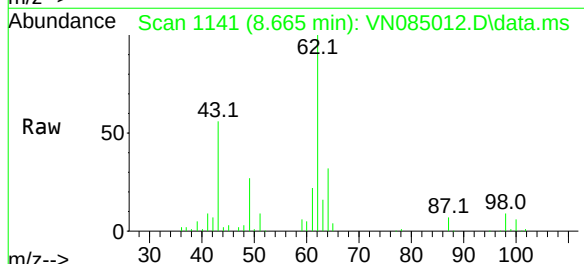
Acq: 22 Nov 2024 16:07

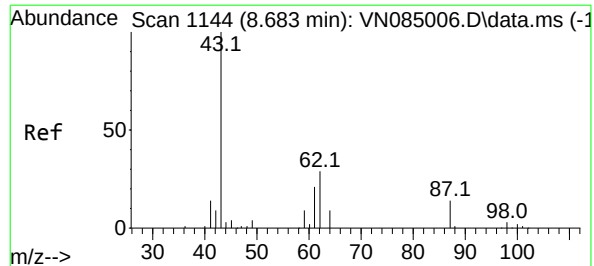
Tgt Ion: 62 Resp: 136508

Ion Ratio Lower Upper

62 100

98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 41.574 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 43 Resp: 210623

Ion Ratio Lower Upper

43 100

61 26.7 20.6 30.8

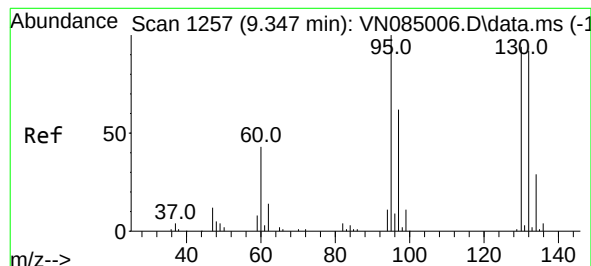
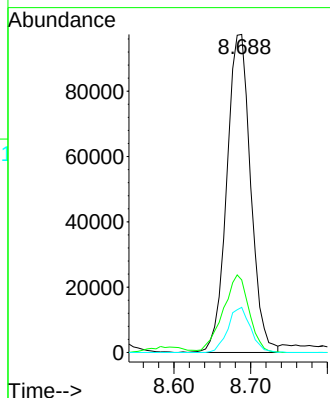
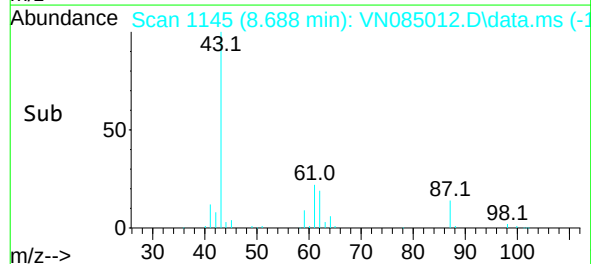
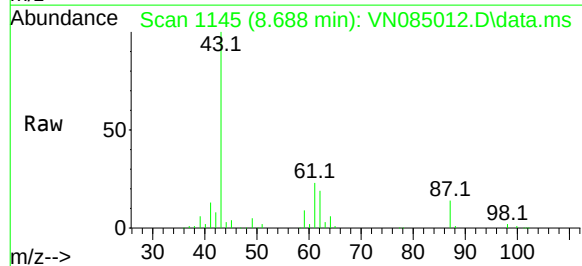
87 13.5 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 47.205 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085012.D

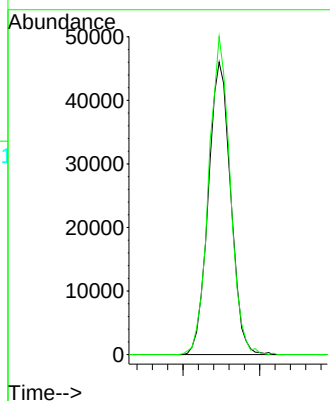
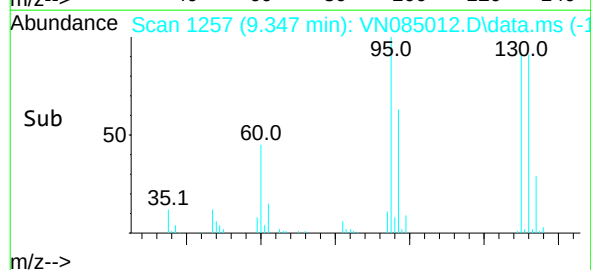
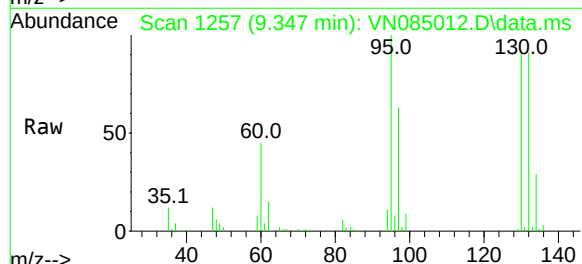
Acq: 22 Nov 2024 16:07

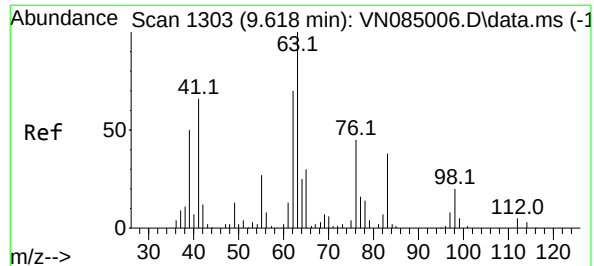
Tgt Ion:130 Resp: 93086

Ion Ratio Lower Upper

130 100

95 108.7 0.0 213.4





#45

1,2-Dichloropropane

Concen: 47.073 ug/l

RT: 9.618 min Scan# 13

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 63 Resp: 98380

Ion Ratio Lower Upper

63 100

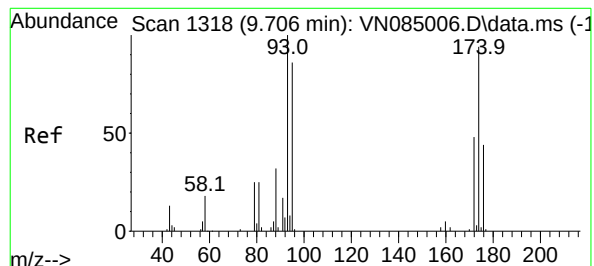
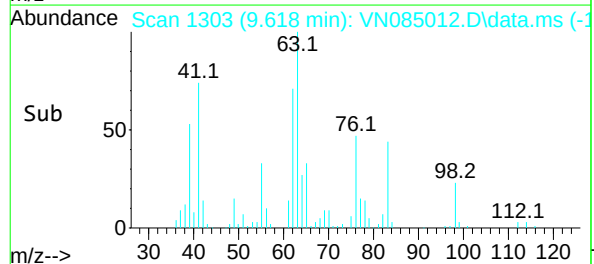
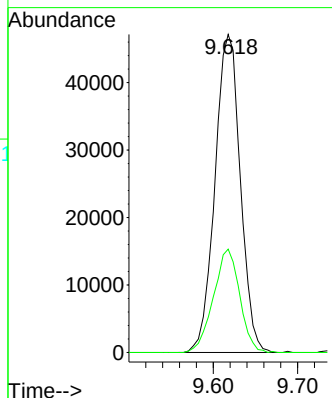
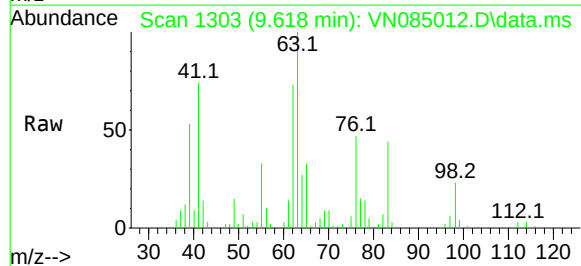
65 32.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 47.909 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

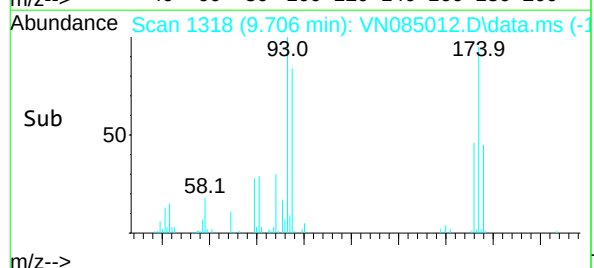
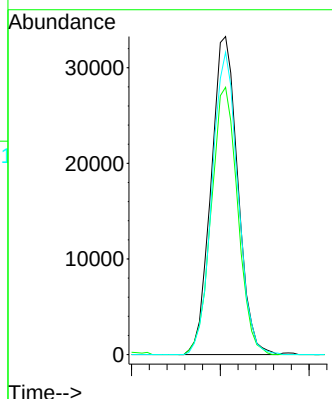
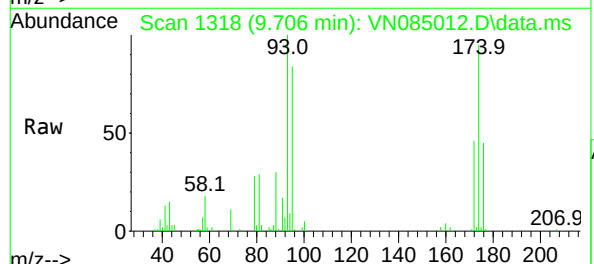
Tgt Ion: 93 Resp: 69575

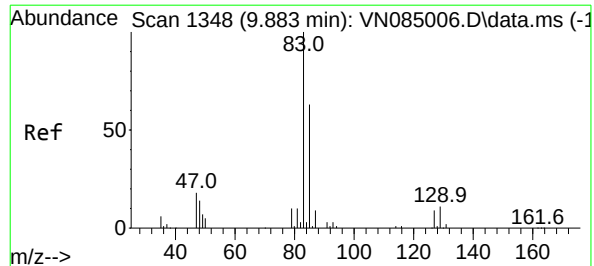
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.4

174 91.9 74.9 112.3





#47

Bromodichloromethane

Concen: 47.631 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 83 Resp: 146603

Ion Ratio Lower Upper

83 100

85 66.2 50.5 75.7

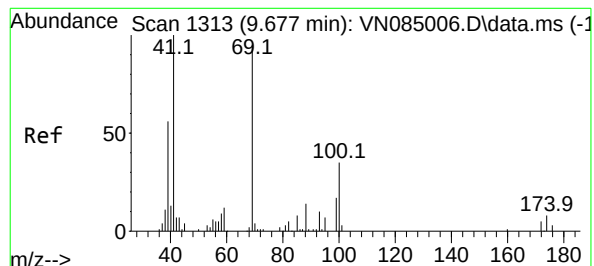
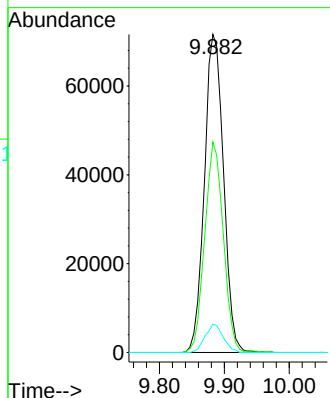
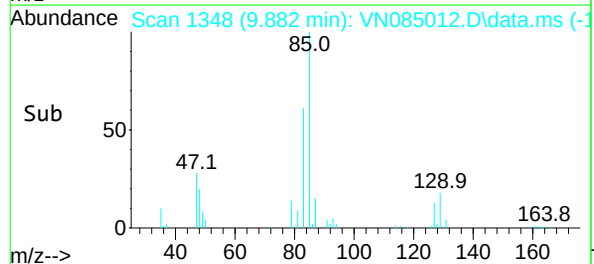
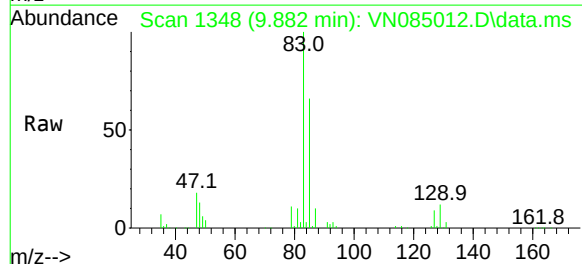
127 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 50.900 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

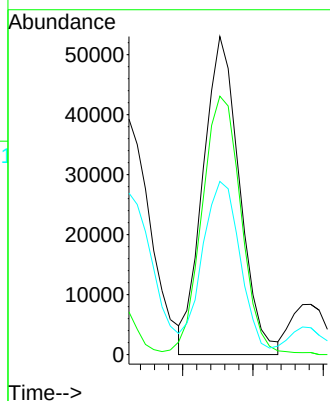
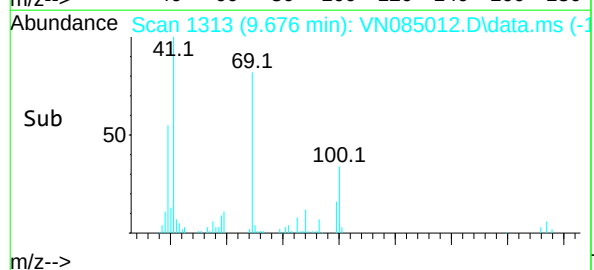
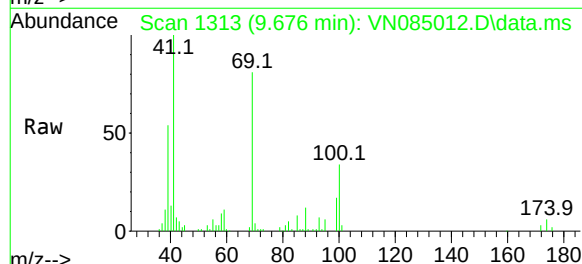
Tgt Ion: 41 Resp: 95959

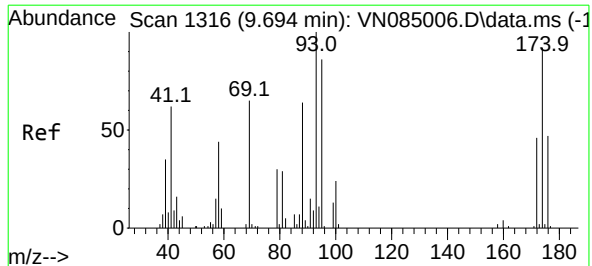
Ion Ratio Lower Upper

41 100

69 86.9 73.2 109.8

39 57.0 46.2 69.4





#49

1,4-Dioxane

Concen: 950.585 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085012.D

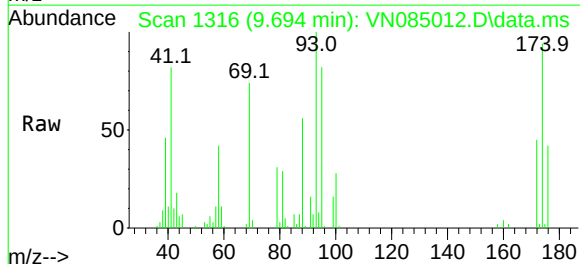
Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224



Tgt Ion: 88 Resp: 31078

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1

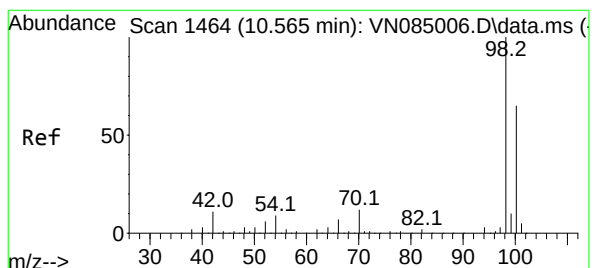
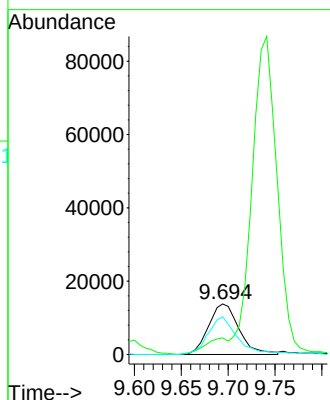
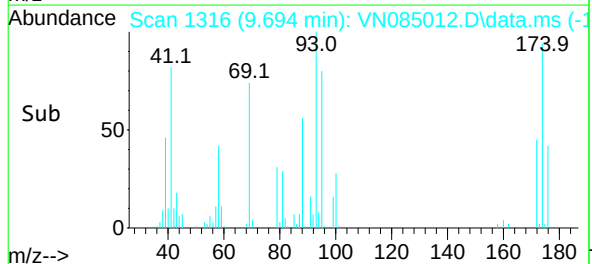
58 73.0 56.5 84.7

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

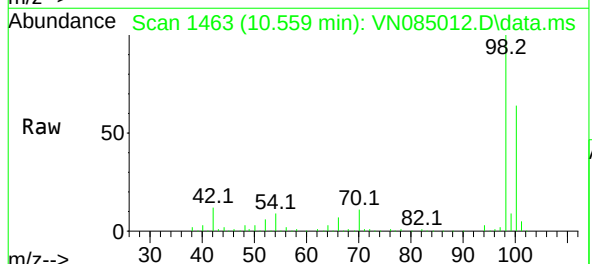
Concen: 53.488 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

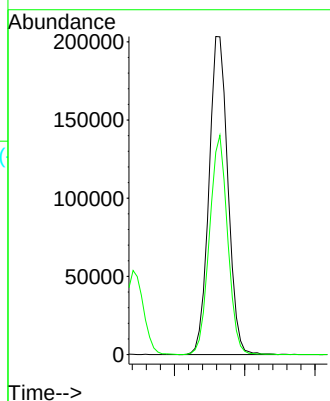
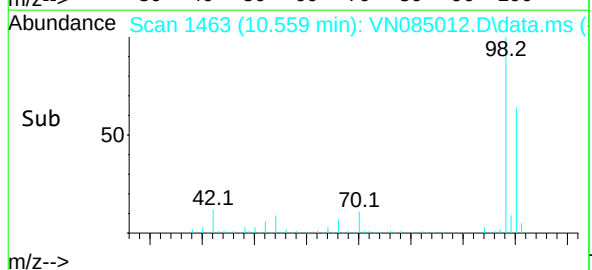


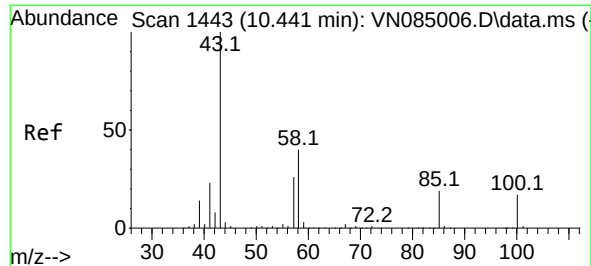
Tgt Ion: 98 Resp: 379679

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7





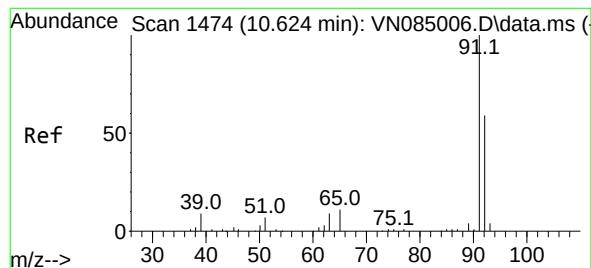
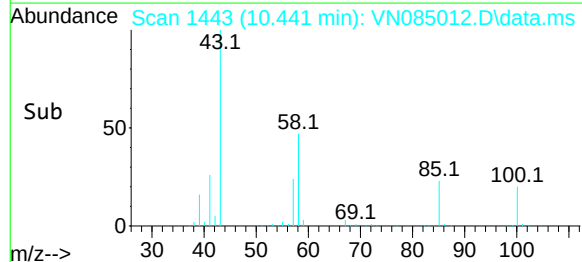
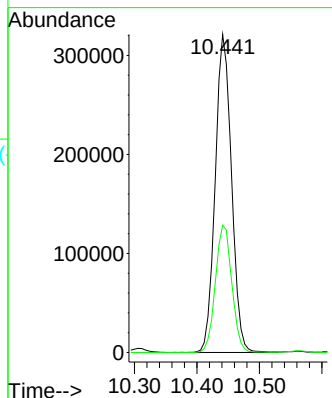
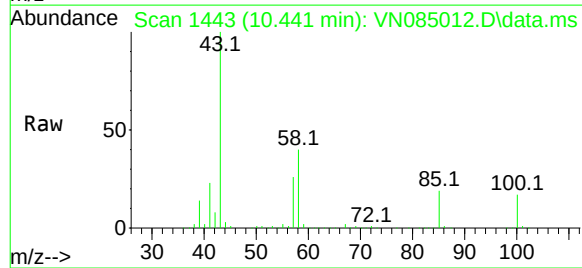
#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

Tgt Ion: 43 Resp: 582480
Ion Ratio Lower Upper
43 100
58 40.4 32.1 48.1

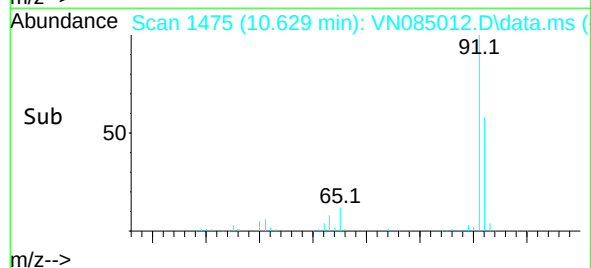
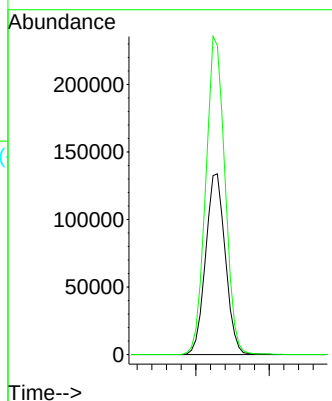
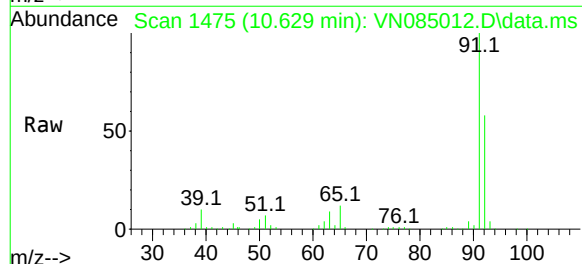
Manual Integrations
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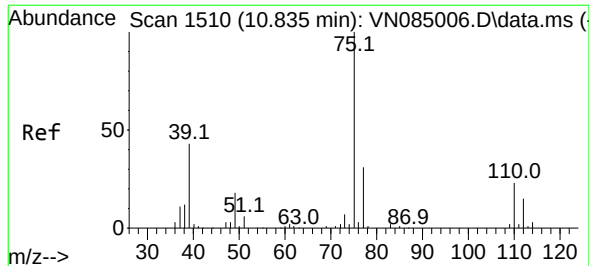
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568
Ion Ratio Lower Upper
92 100
91 171.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 48.881 ug/l

RT: 10.829 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 75 Resp: 150836

Ion Ratio Lower Upper

75 100

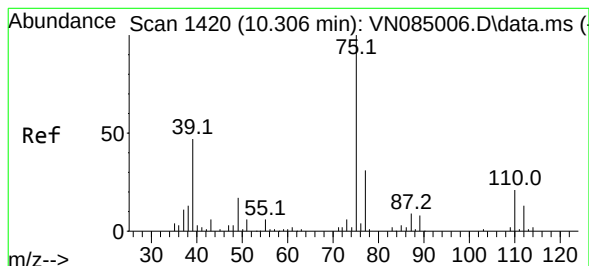
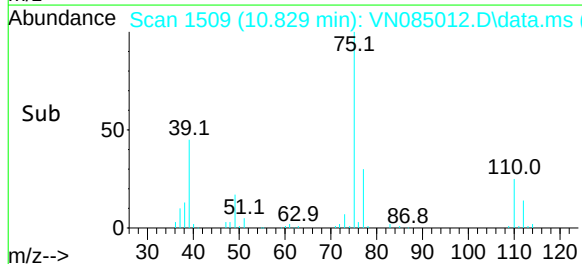
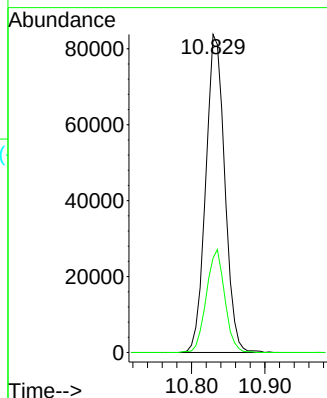
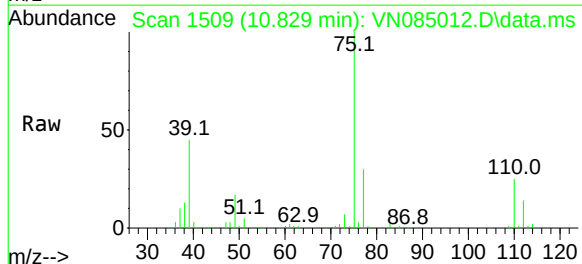
77 29.7 25.0 37.4

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 50.100 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

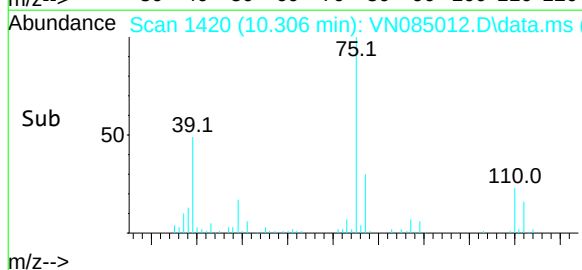
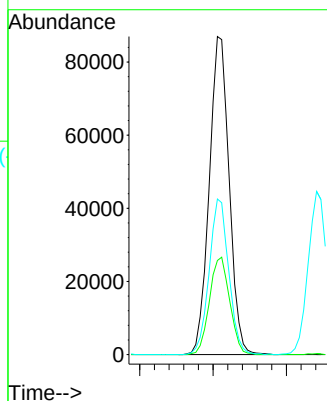
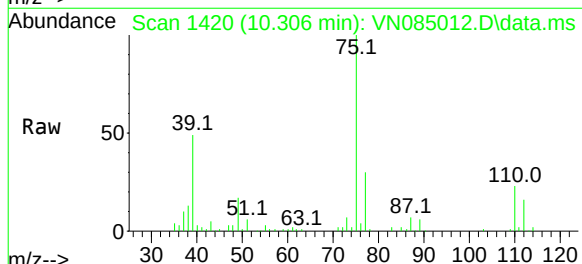
Tgt Ion: 75 Resp: 164009

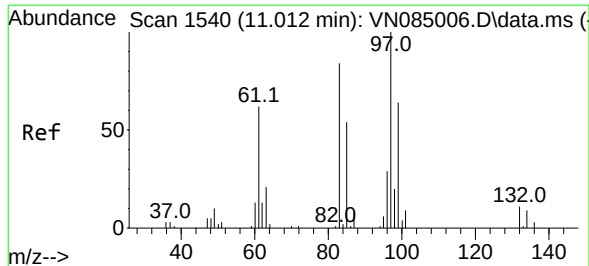
Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.4

39 48.9 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 49.287 ug/l

RT: 11.012 min Scan# 15

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 97 Resp: 92219

Ion Ratio Lower Upper

97 100

83 83.5 67.4 101.2

85 53.8 43.1 64.7

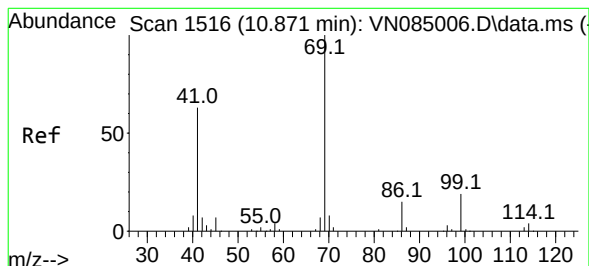
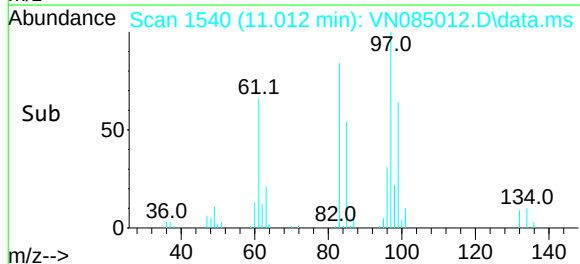
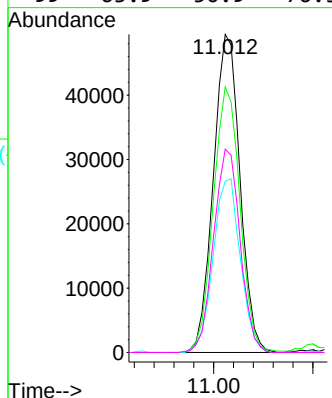
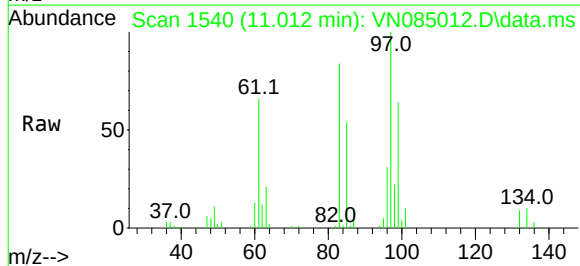
99 63.9 50.9 76.3

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#56

Ethyl methacrylate

Concen: 54.694 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

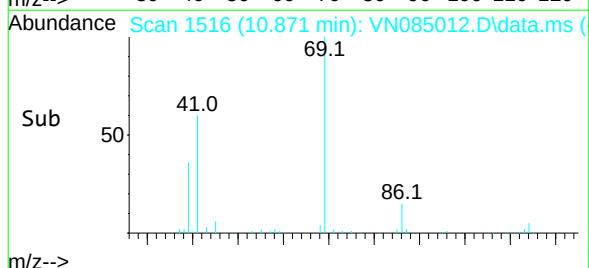
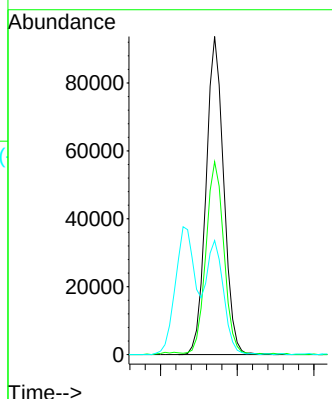
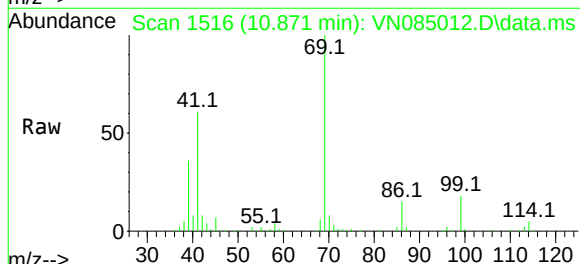
Tgt Ion: 69 Resp: 149537

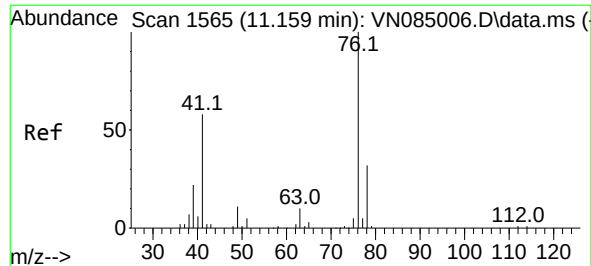
Ion Ratio Lower Upper

69 100

41 61.1 50.0 75.0

39 34.6 27.0 40.6





#57

1,3-Dichloropropane

Concen: 47.980 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 76 Resp: 158000

Ion Ratio Lower Upper

76 100

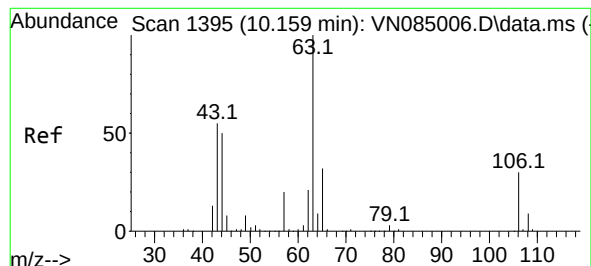
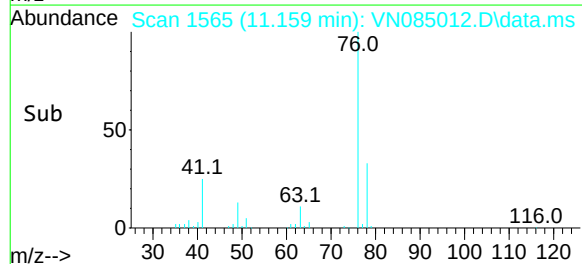
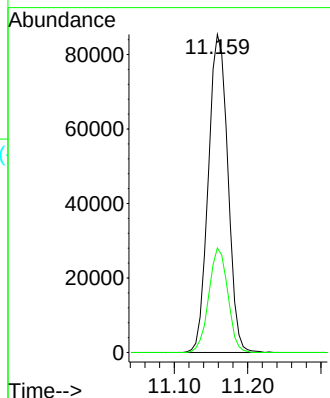
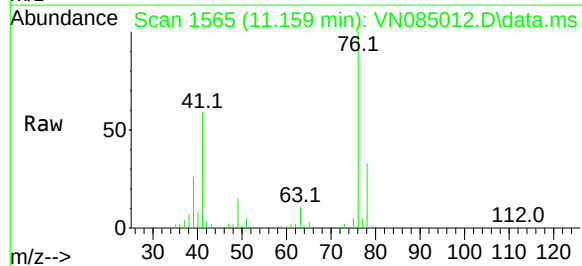
78 32.0 26.1 39.1

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 235.323 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085012.D

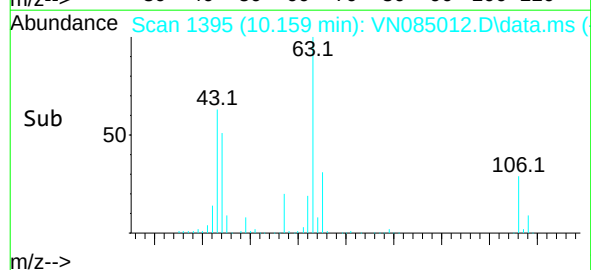
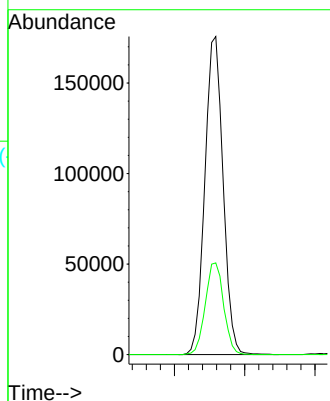
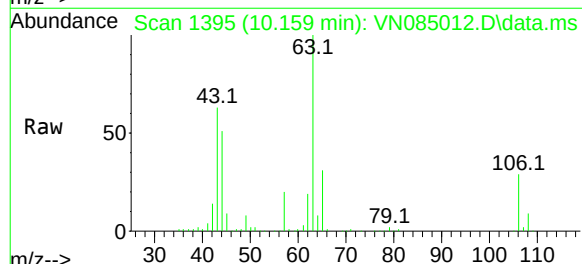
Acq: 22 Nov 2024 16:07

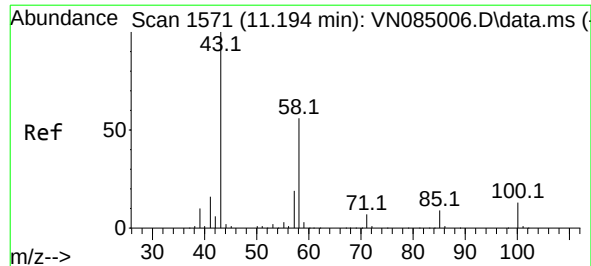
Tgt Ion: 63 Resp: 315602

Ion Ratio Lower Upper

63 100

106 29.1 23.0 34.6





#59

2-Hexanone

Concen: 256.983 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 43 Resp: 444749

Ion Ratio Lower Upper

43 100

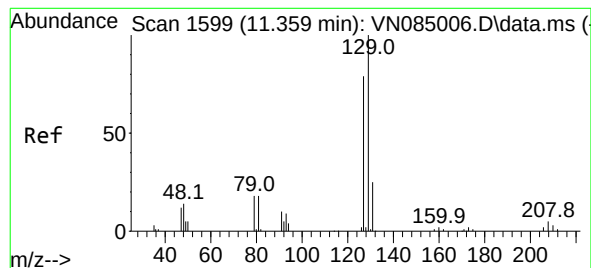
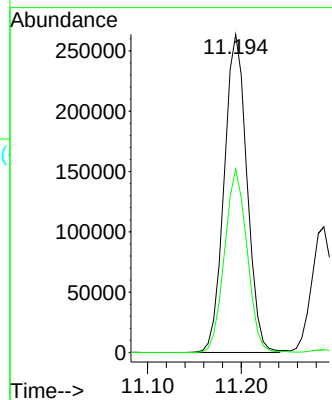
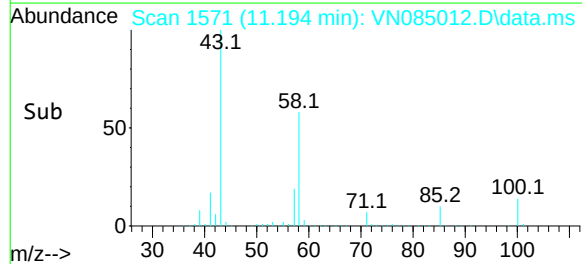
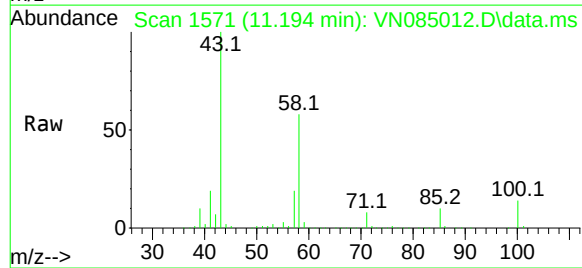
58 56.9 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 47.650 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085012.D

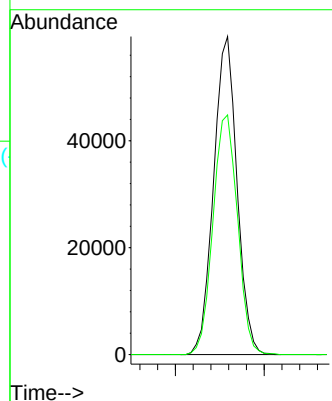
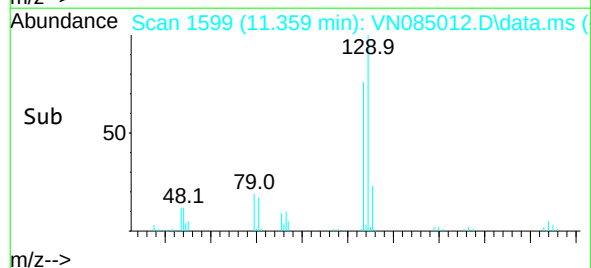
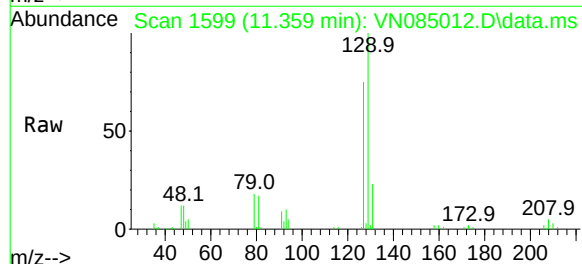
Acq: 22 Nov 2024 16:07

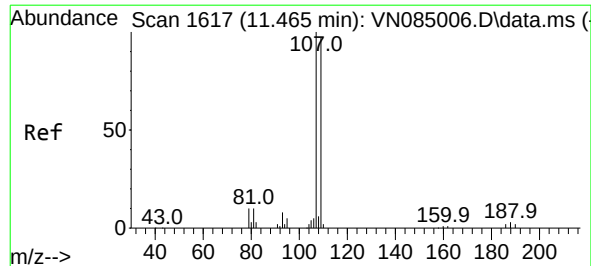
Tgt Ion:129 Resp: 108961

Ion Ratio Lower Upper

129 100

127 79.0 39.2 117.6





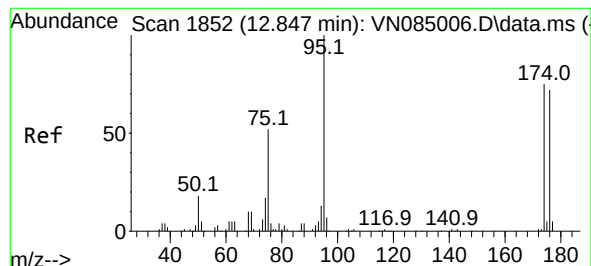
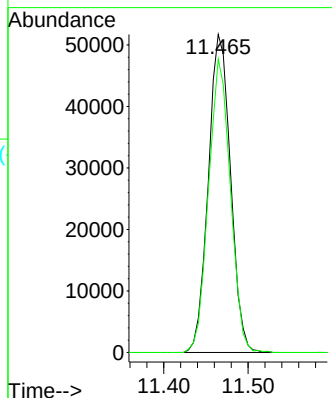
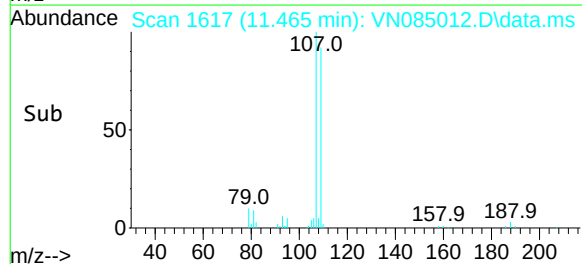
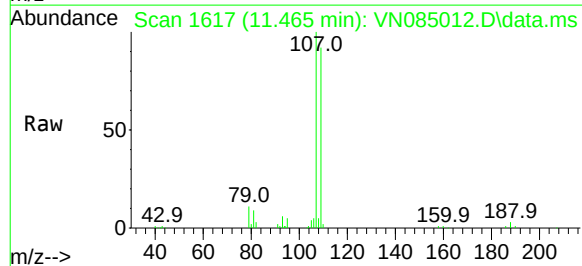
#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Tgt Ion: 107 Resp: 94657
Ion Ratio Lower Upper
107 100
109 90.8 76.1 114.1

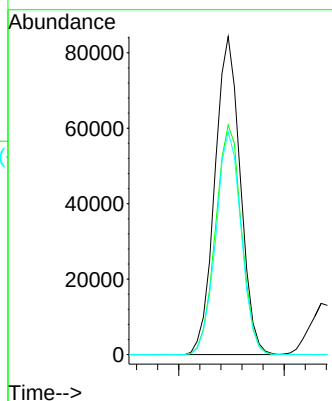
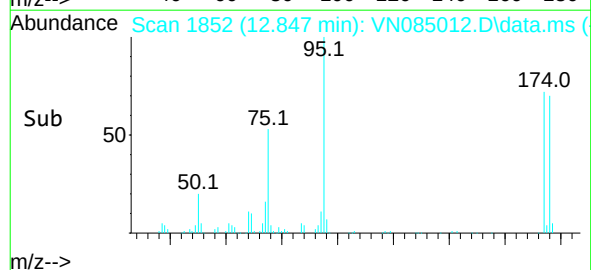
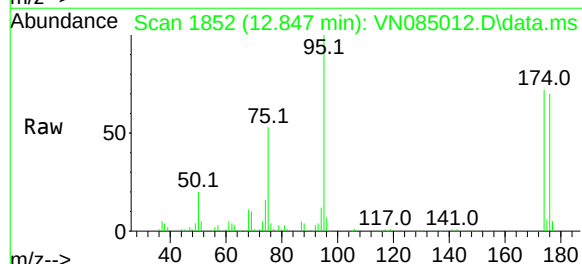
Manual Integrations
APPROVED

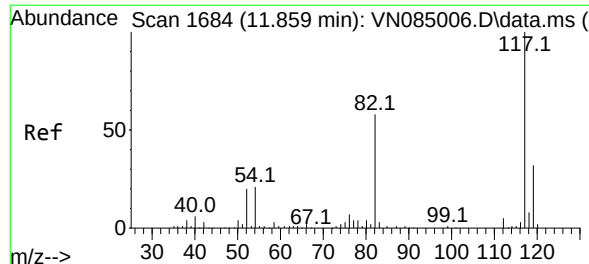
Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024



#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423
Ion Ratio Lower Upper
95 100
174 73.4 0.0 146.6
176 69.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1684

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:117 Resp: 254182

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

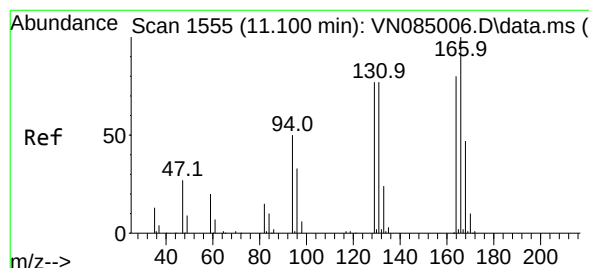
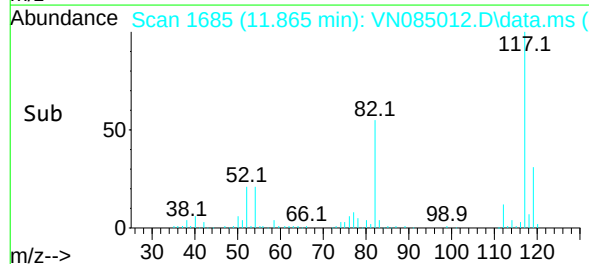
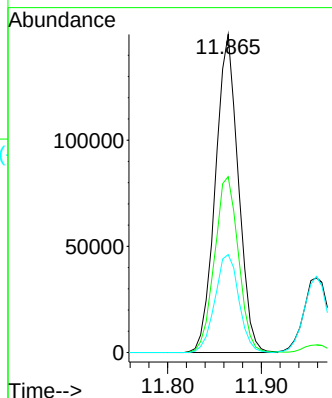
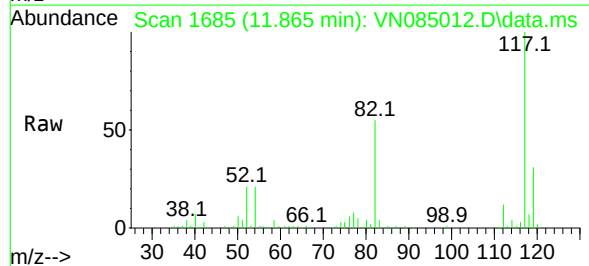
119 30.8 25.6 38.4

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 48.316 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

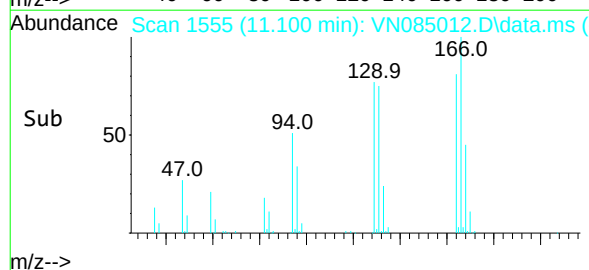
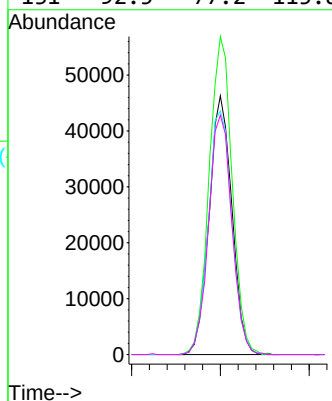
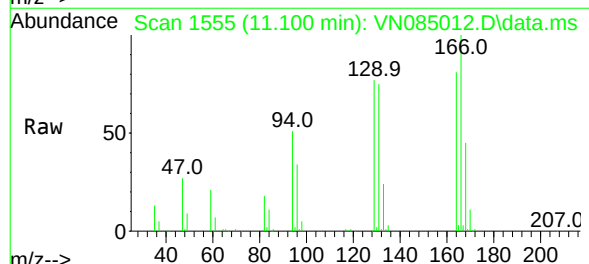
Ion Ratio Lower Upper

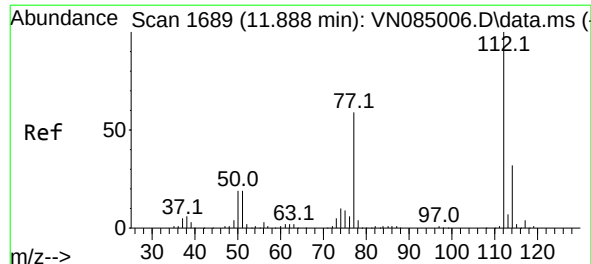
164 100

166 122.9 100.6 151.0

129 94.2 77.7 116.5

131 92.5 77.2 115.8





#65

Chlorobenzene

Concen: 45.936 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:112 Resp: 264798

Ion Ratio Lower Upper

112 100

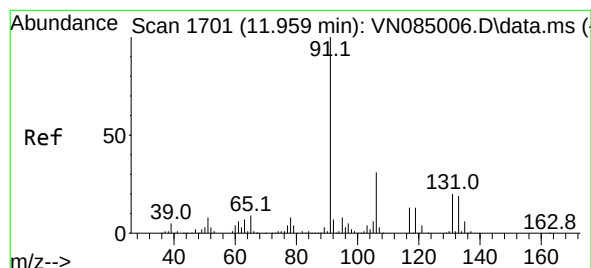
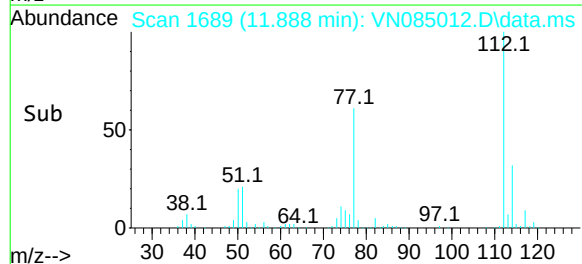
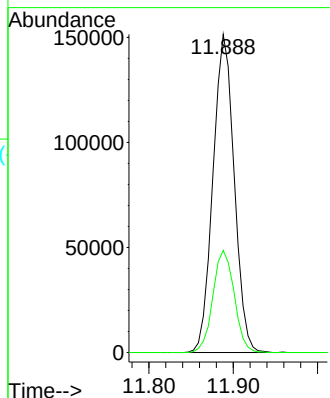
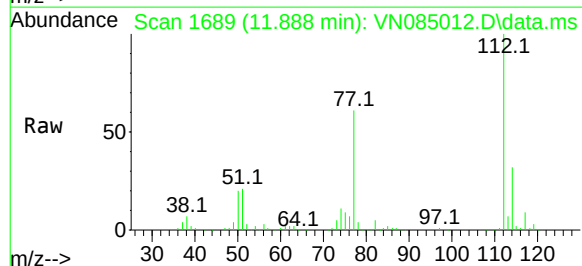
114 32.1 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 46.991 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

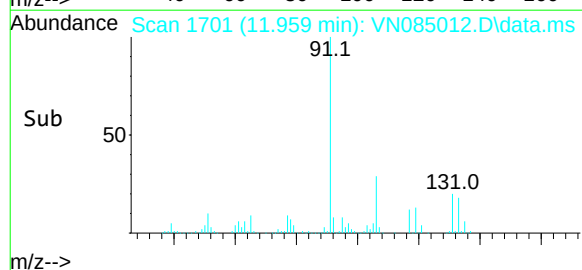
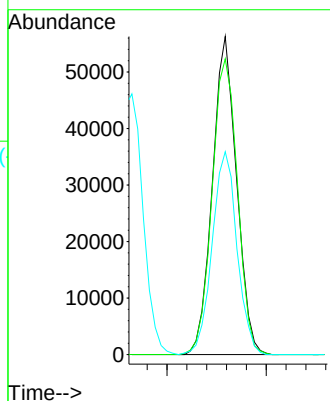
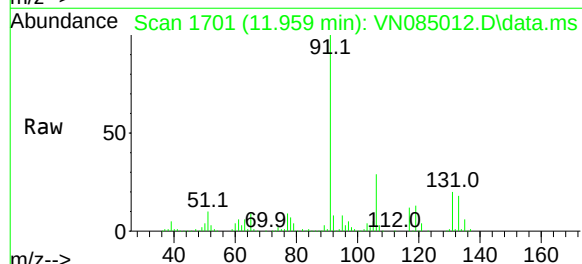
Tgt Ion:131 Resp: 95374

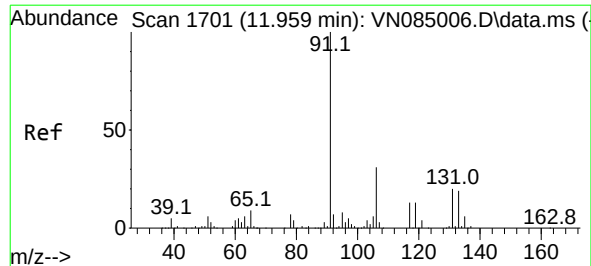
Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 65.5 32.1 96.3





#67

Ethyl Benzene

Concen: 51.046 ug/l

RT: 11.959 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 91 Resp: 477400

Ion Ratio Lower Upper

91 100

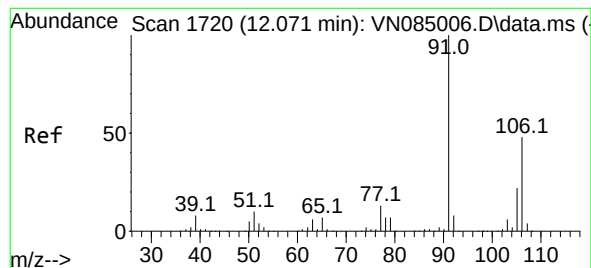
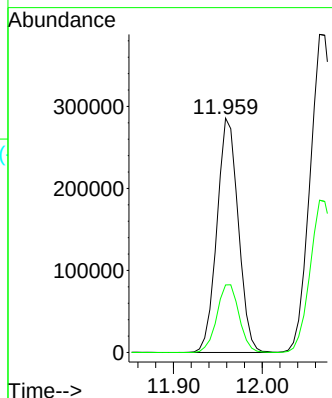
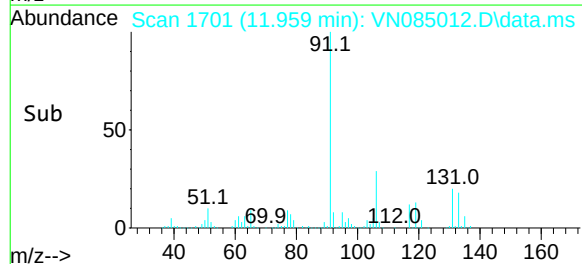
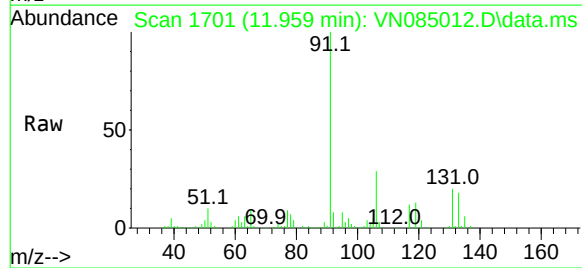
106 28.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 101.951 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085012.D

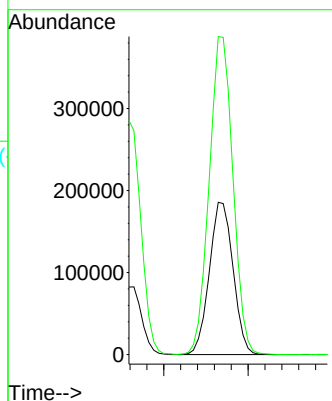
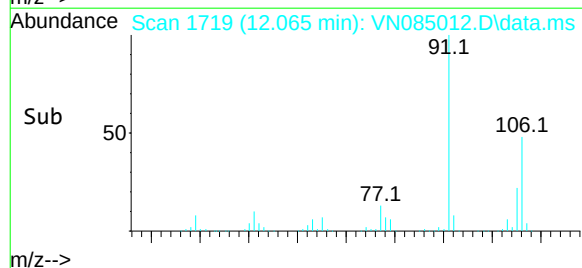
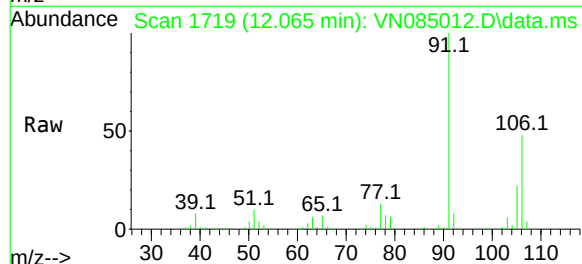
Acq: 22 Nov 2024 16:07

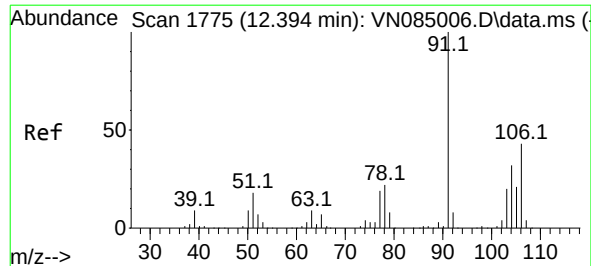
Tgt Ion:106 Resp: 363006

Ion Ratio Lower Upper

106 100

91 209.0 168.0 252.0





#69

o-Xylene

Concen: 51.086 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:106 Resp: 173028

Ion Ratio Lower Upper

106 100

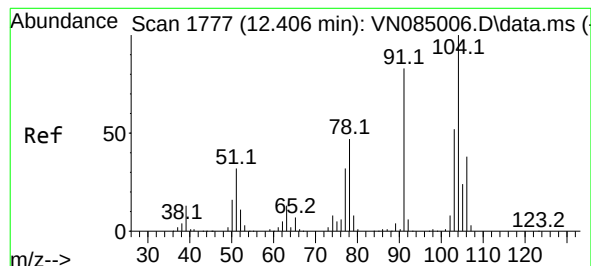
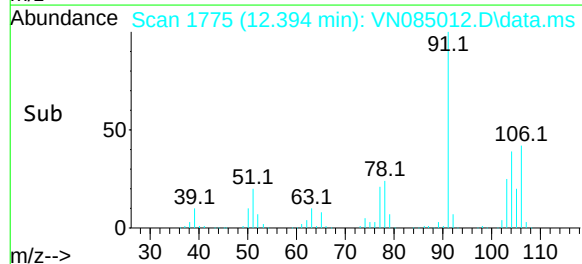
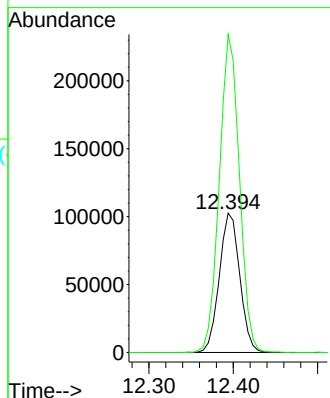
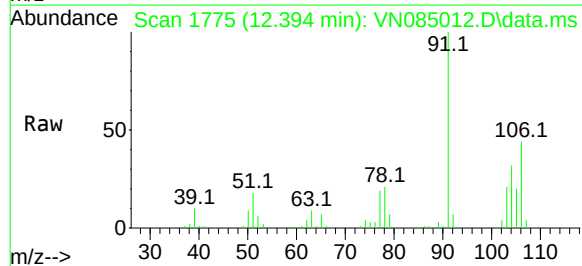
91 223.8 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 52.687 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

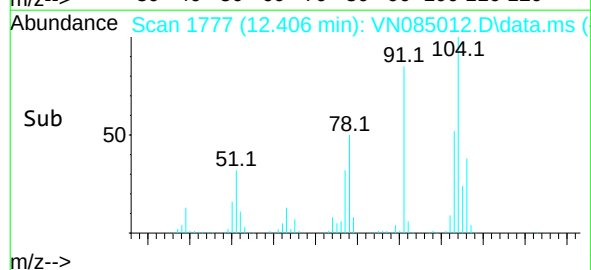
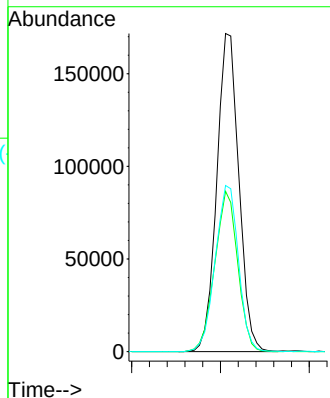
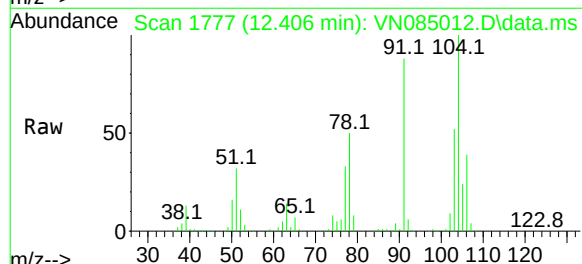
Tgt Ion:104 Resp: 296759

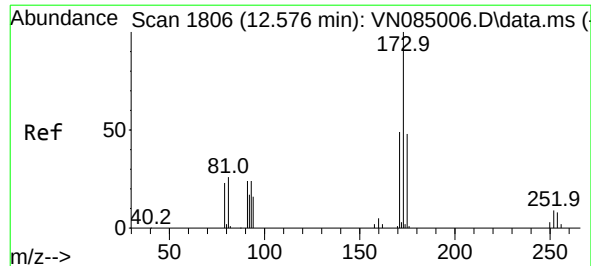
Ion Ratio Lower Upper

104 100

78 52.3 42.3 63.5

103 55.0 44.2 66.2





#71

Bromoform

Concen: 48.617 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

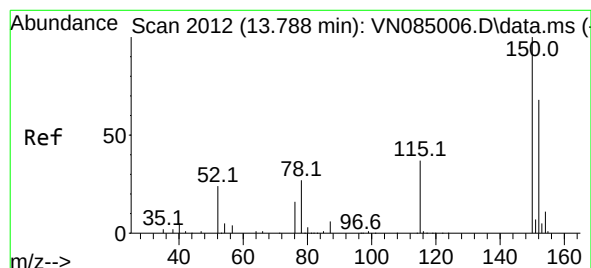
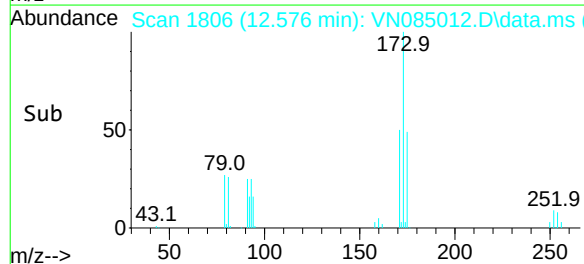
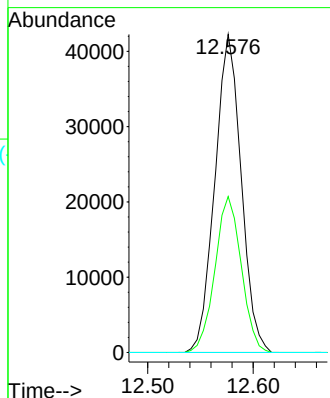
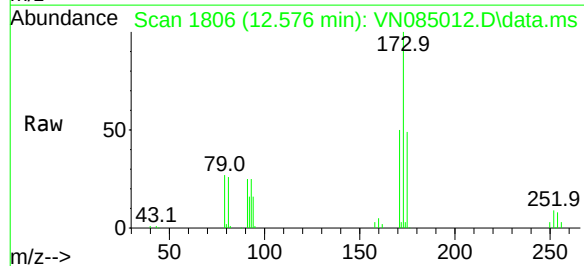
ICNVN112224

Tgt Ion:	173	Resp:	73244
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

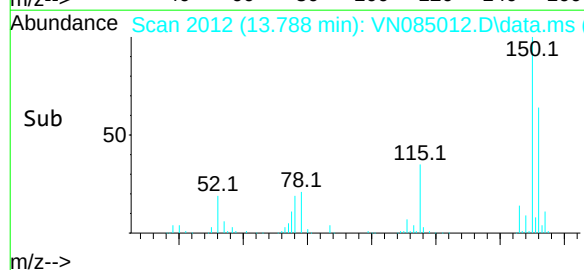
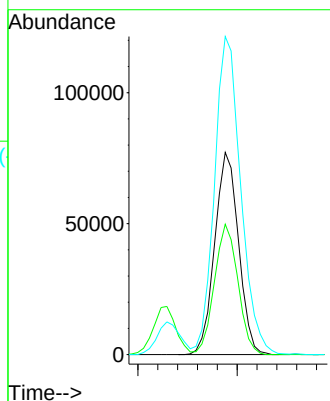
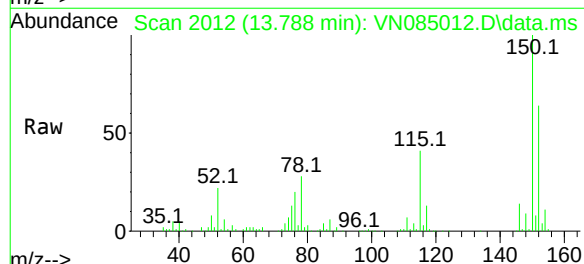
RT: 13.788 min Scan# 2012

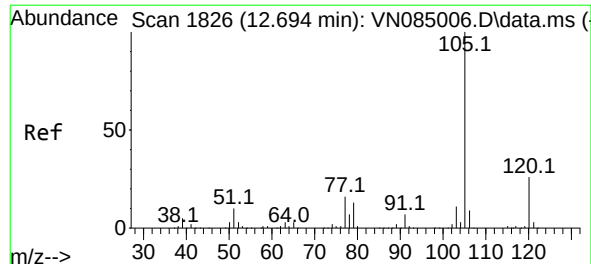
Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:	152	Resp:	128770
Ion Ratio	Lower	Upper	
152	100		
115	63.6	31.7	95.1
150	173.6	0.0	351.4





#73

Isopropylbenzene

Concen: 49.014 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion:105 Resp: 445261

Ion Ratio Lower Upper

105 100

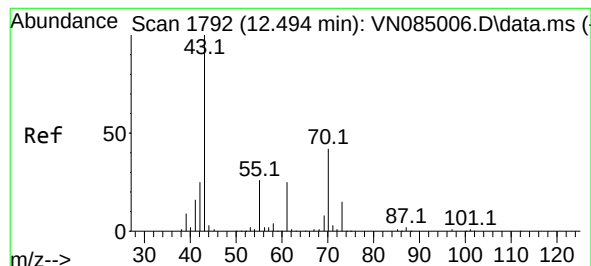
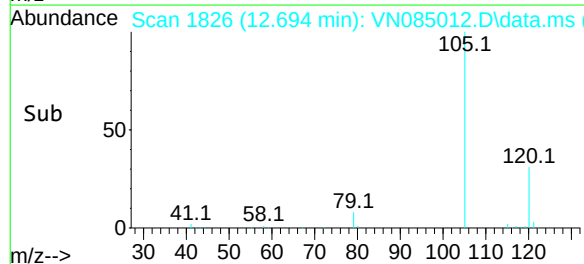
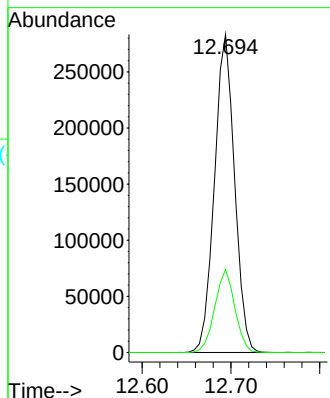
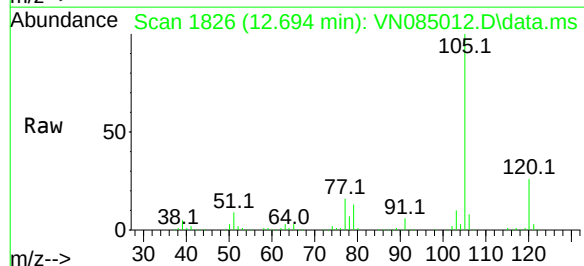
120 26.0 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 49.418 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990

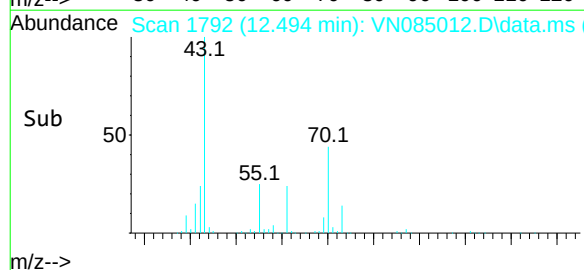
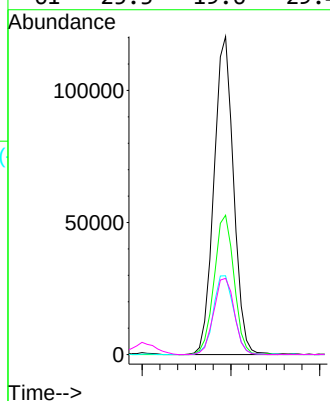
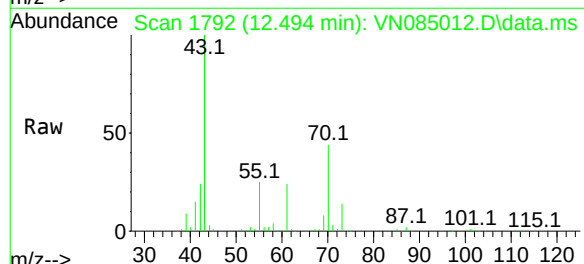
Ion Ratio Lower Upper

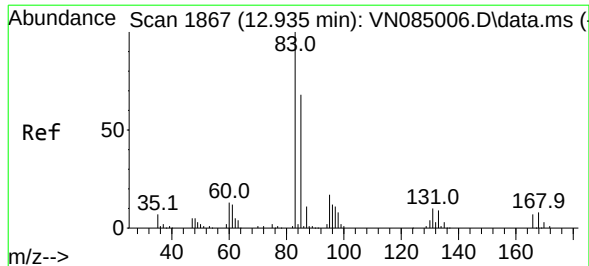
43 100

70 44.4 34.6 51.8

55 25.8 20.5 30.7

61 25.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 42.796 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

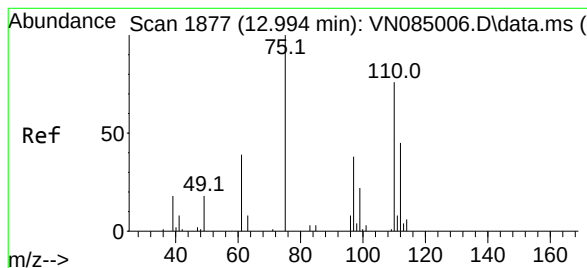
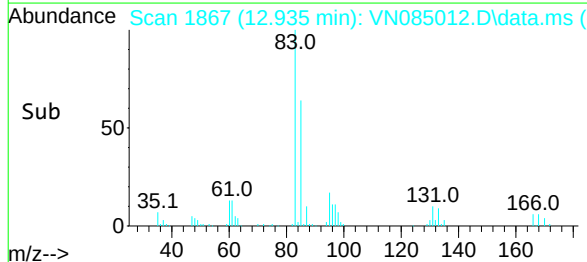
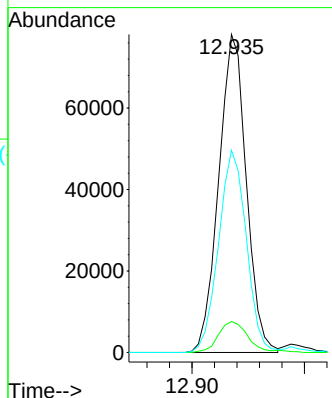
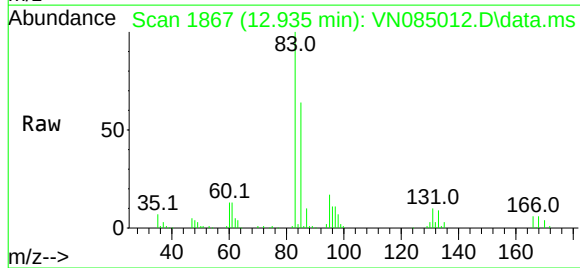
ICNVN112224

Tgt Ion:	83	Resp:	132755
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.0	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 45.225 ug/l m

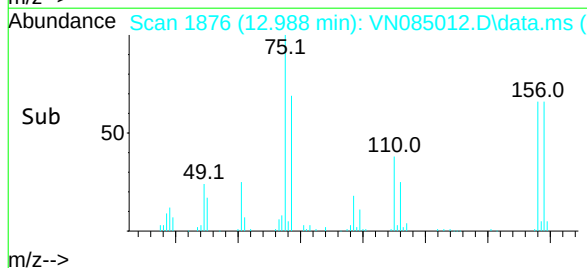
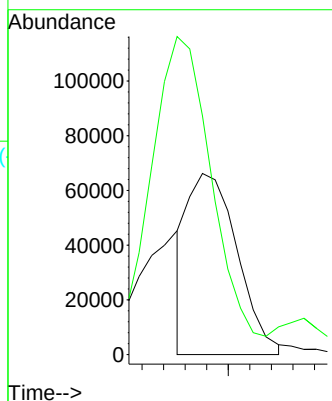
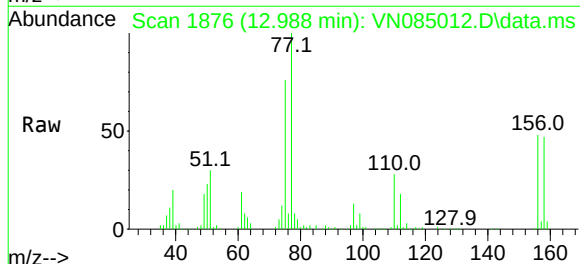
RT: 12.988 min Scan# 1876

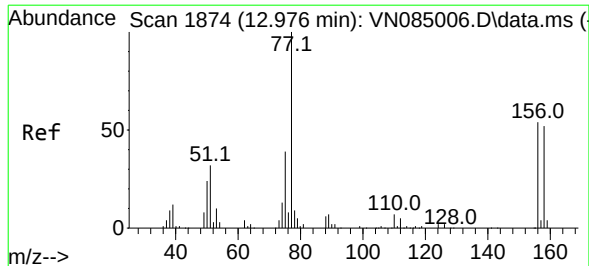
Delta R.T. -0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:	75	Resp:	105927
Ion	Ratio	Lower	Upper
75	100		
77	221.4	109.1	327.4





#77

Bromobenzene

Concen: 44.410 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085012.D

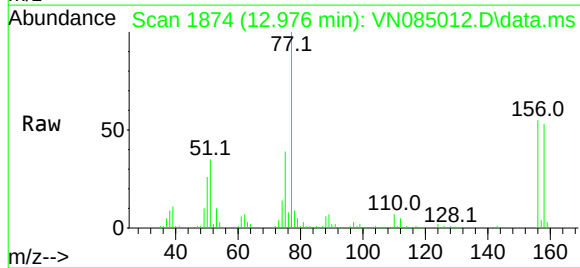
Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224



Tgt Ion:156 Resp: 108566

Ion Ratio Lower Upper

156 100

77 216.1 107.2 321.6

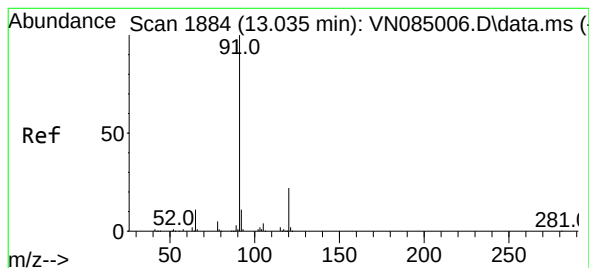
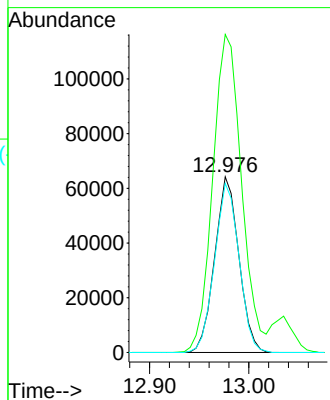
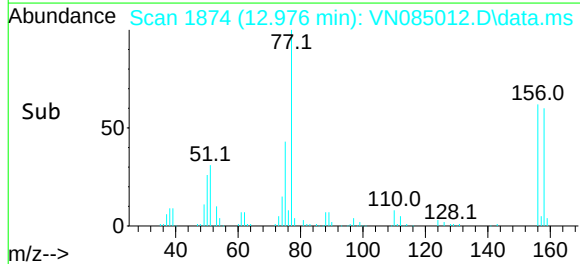
158 97.6 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

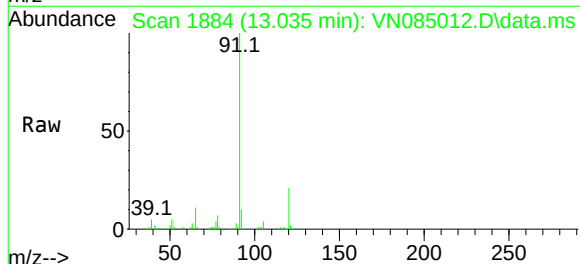
Concen: 50.160 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

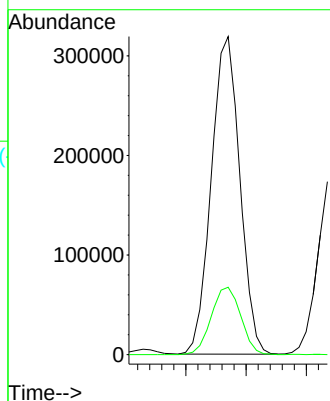
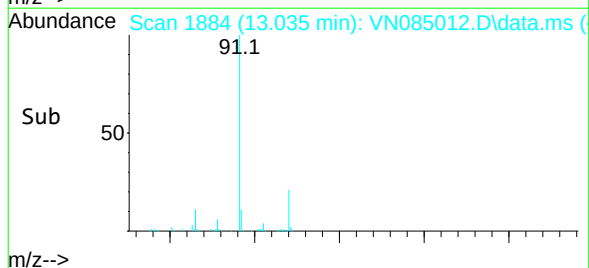


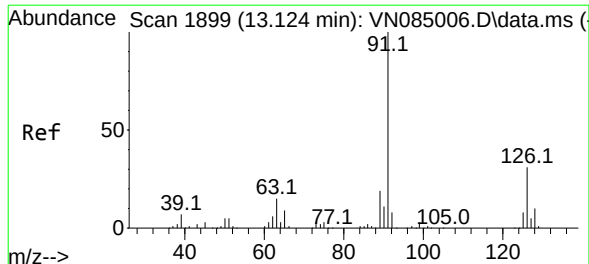
Tgt Ion: 91 Resp: 525567

Ion Ratio Lower Upper

91 100

120 21.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 46.409 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion: 91 Resp: 324611

Ion Ratio Lower Upper

91 100

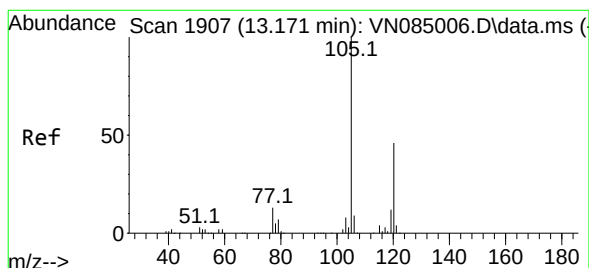
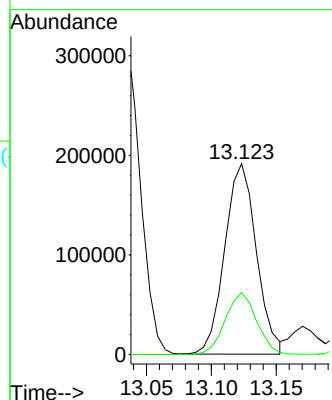
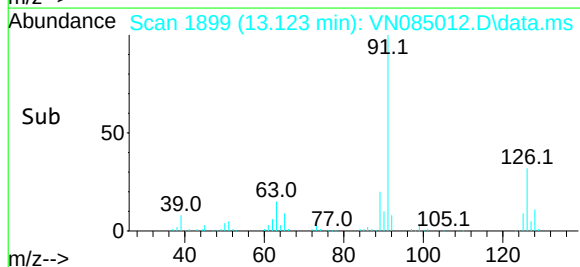
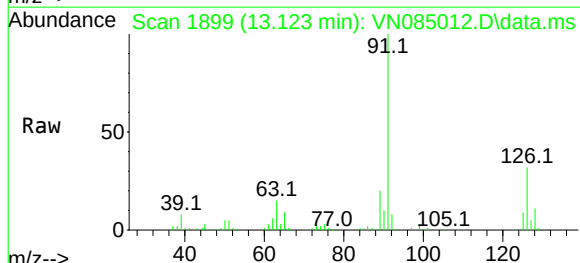
126 32.2 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.220 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085012.D

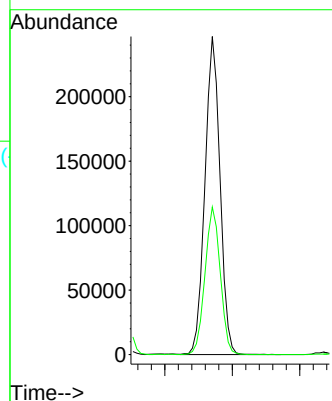
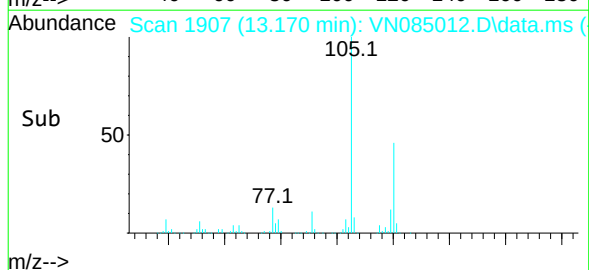
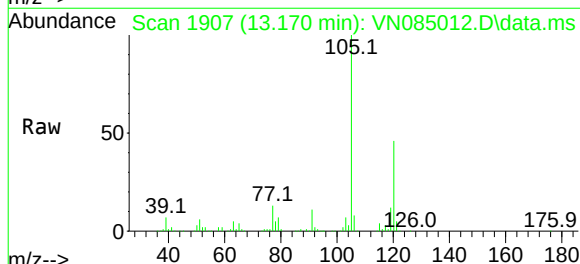
Acq: 22 Nov 2024 16:07

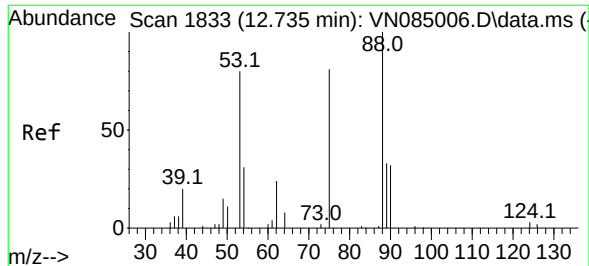
Tgt Ion:105 Resp: 382819

Ion Ratio Lower Upper

105 100

120 47.0 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.764 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085012.D

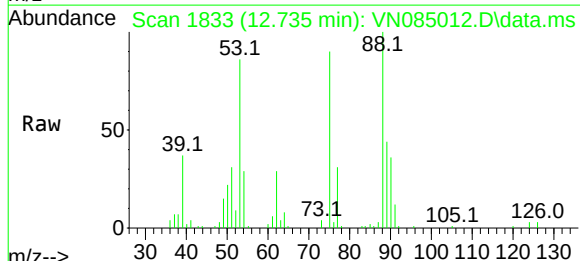
Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224



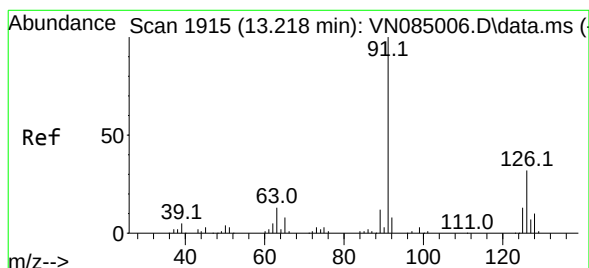
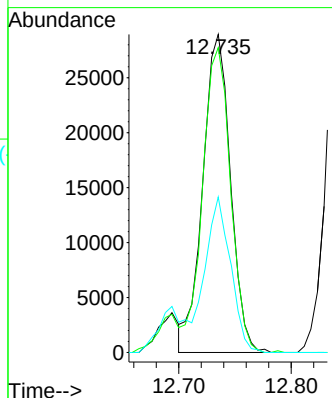
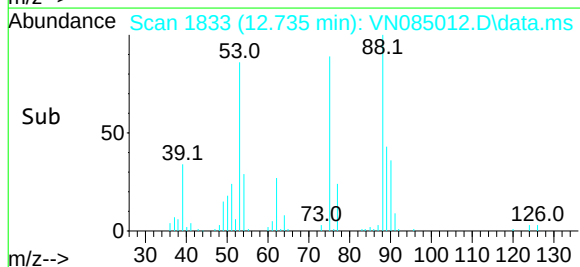
Tgt Ion:	75	Resp:	49617
Ion	Ratio	Lower	Upper
75	100		
53	96.8	78.2	117.4
89	44.2	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

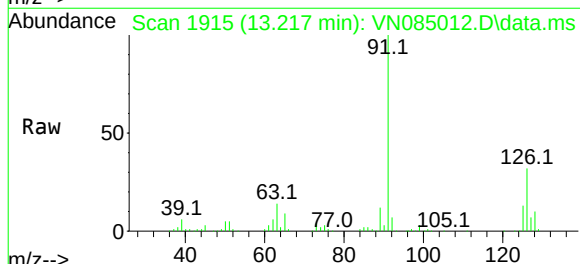
Concen: 45.496 ug/l

RT: 13.217 min Scan# 1915

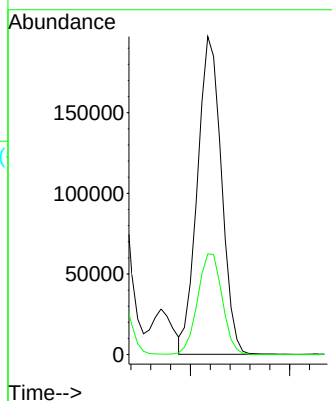
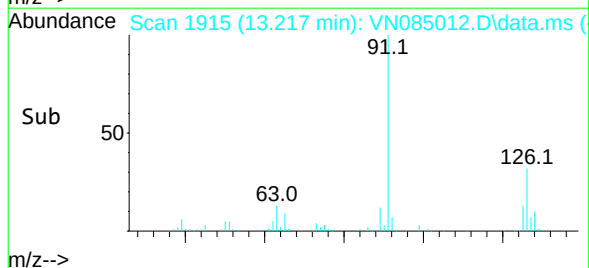
Delta R.T. -0.000 min

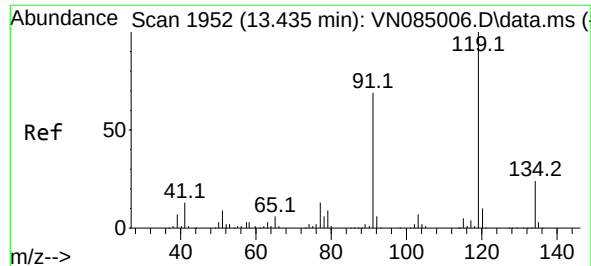
Lab File: VN085012.D

Acq: 22 Nov 2024 16:07



Tgt Ion:	91	Resp:	331271
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3





#83

tert-Butylbenzene

Concen: 48.939 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:119 Resp: 320979

Ion Ratio Lower Upper

119 100

91 70.2 35.1 105.5

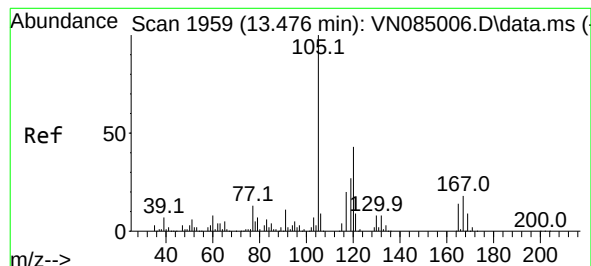
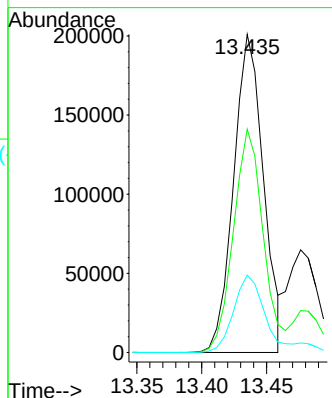
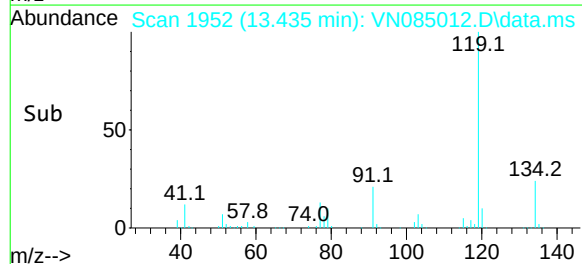
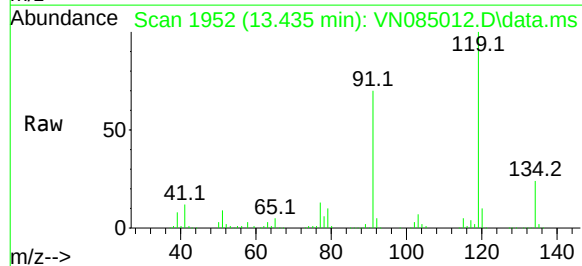
134 27.2 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 49.962 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085012.D

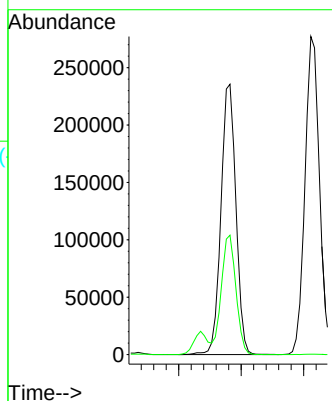
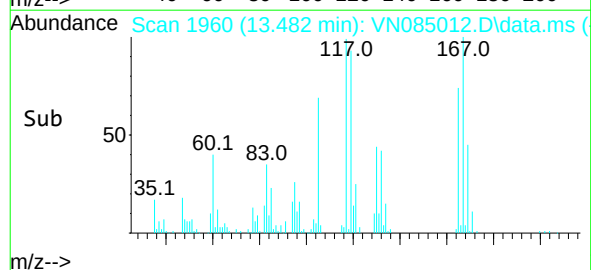
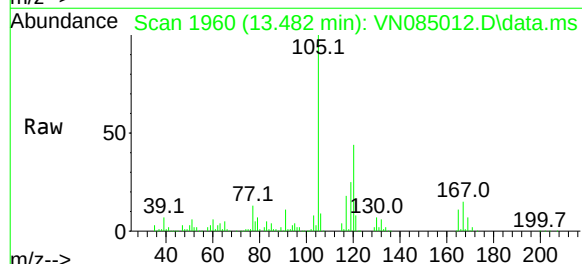
Acq: 22 Nov 2024 16:07

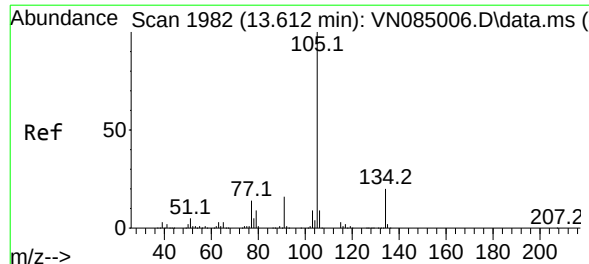
Tgt Ion:105 Resp: 392031

Ion Ratio Lower Upper

105 100

120 43.1 21.8 65.4





#85

sec-Butylbenzene

Concen: 50.166 ug/l

RT: 13.612 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:105 Resp: 444471

Ion Ratio Lower Upper

105 100

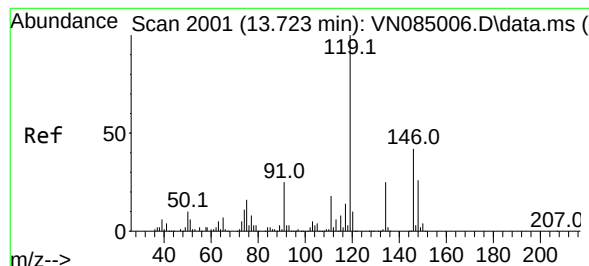
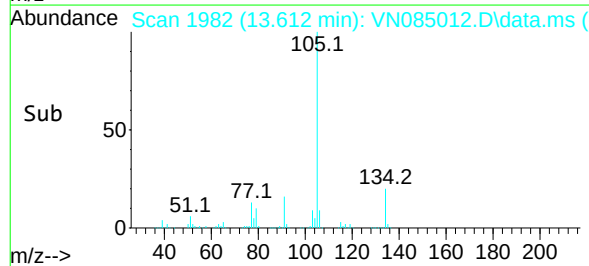
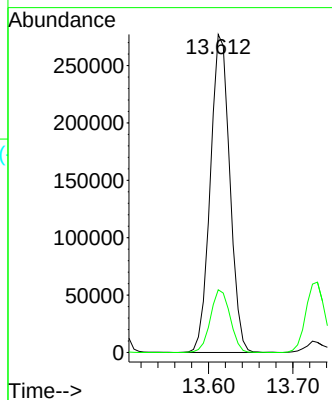
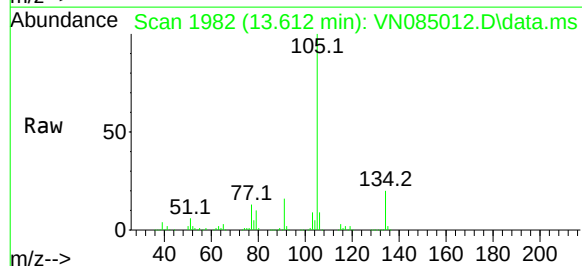
134 19.9 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 51.719 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

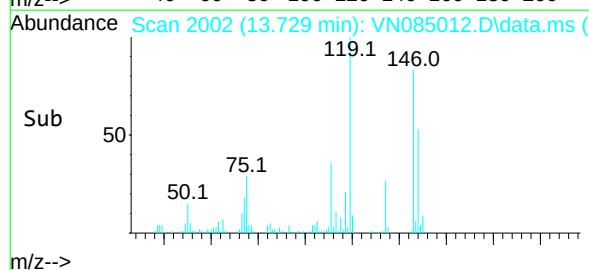
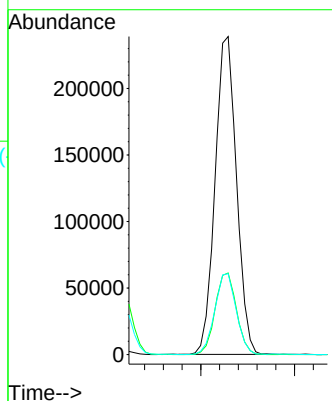
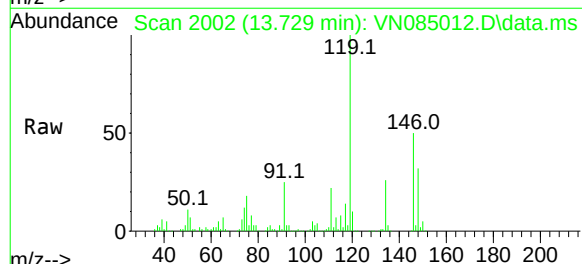
Tgt Ion:119 Resp: 378270

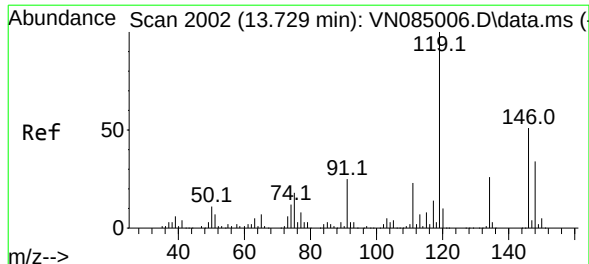
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 42.459 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:146 Resp: 204731

Ion Ratio Lower Upper

146 100

111 42.9 21.6 65.0

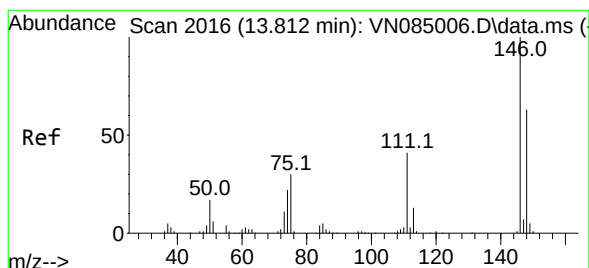
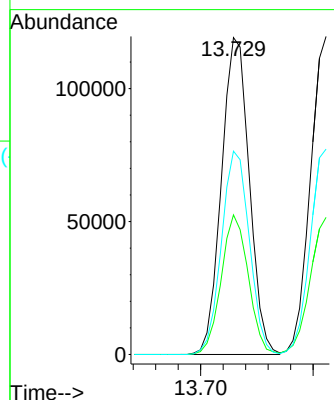
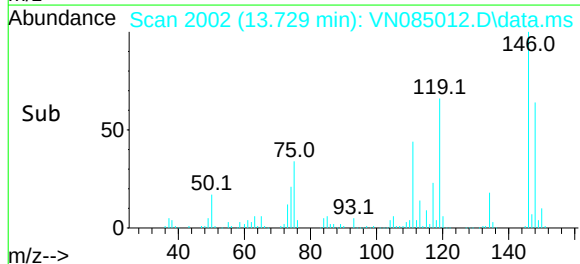
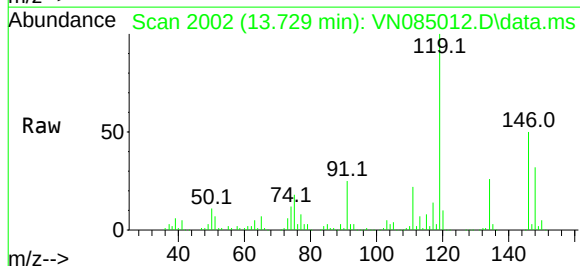
148 64.4 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 41.240 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

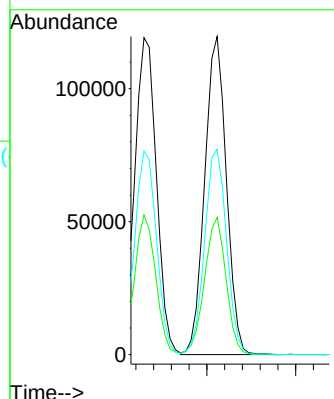
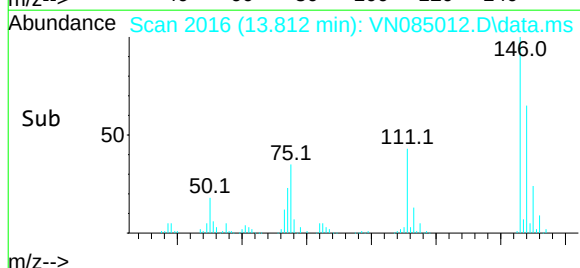
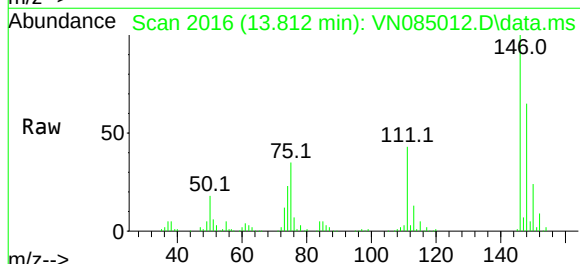
Tgt Ion:146 Resp: 202930

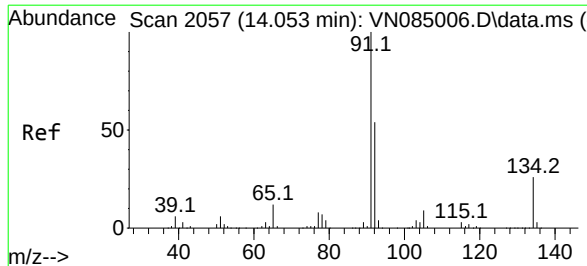
Ion Ratio Lower Upper

146 100

111 43.0 20.9 62.8

148 65.1 31.3 93.9





#89

n-Butylbenzene

Concen: 47.892 ug/l

RT: 14.053 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

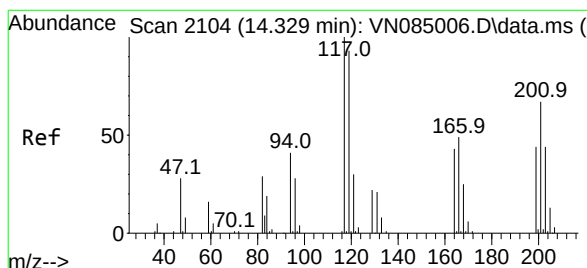
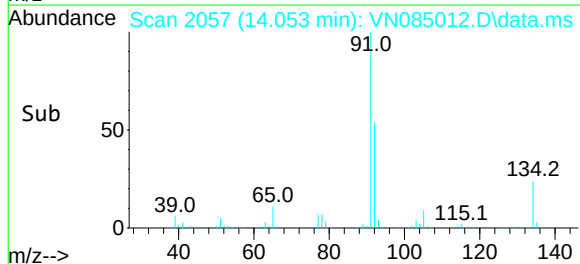
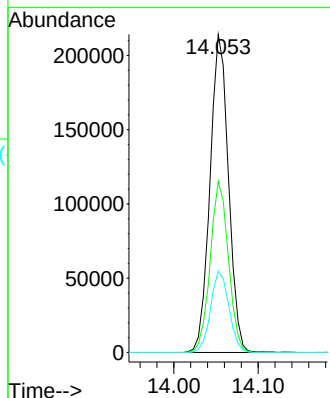
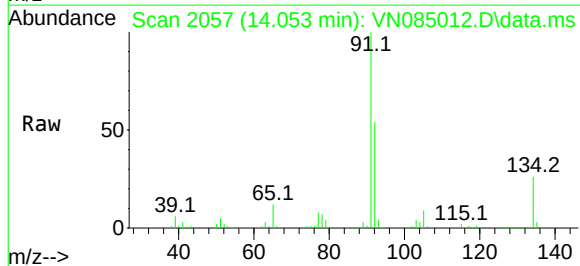
ICVVN112224

Tgt Ion:	91	Resp:	325752
Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	25.4	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 45.332 ug/l

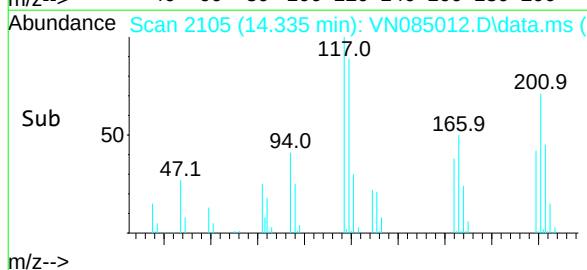
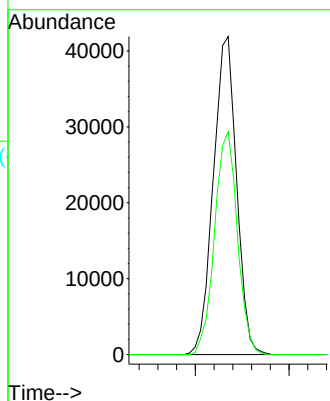
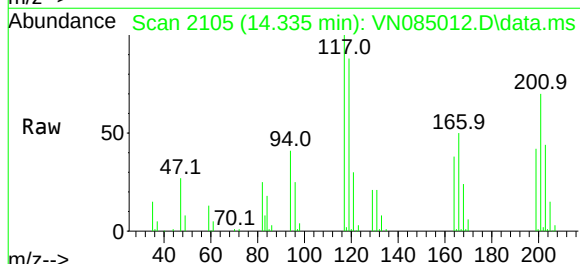
RT: 14.335 min Scan# 2105

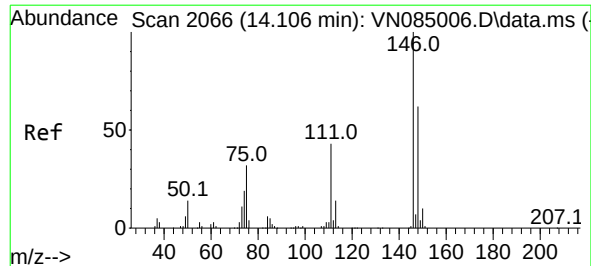
Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:	117	Resp:	72271
Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 43.472 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:146 Resp: 200864

Ion Ratio Lower Upper

146 100

111 44.4 21.9 65.8

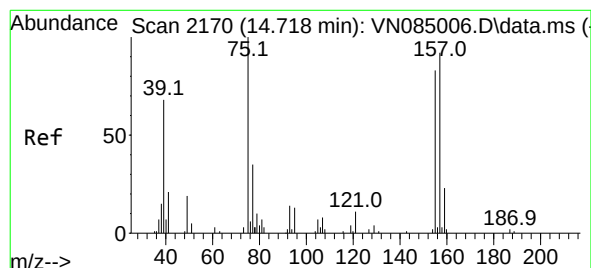
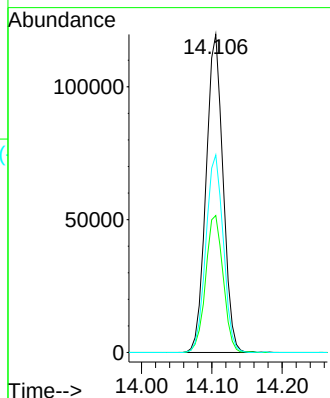
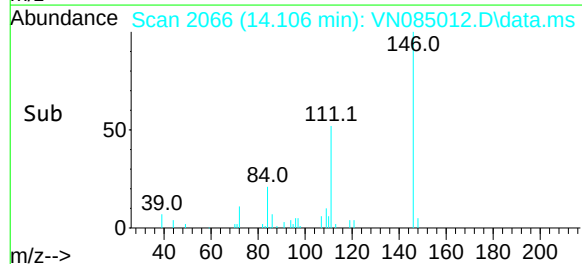
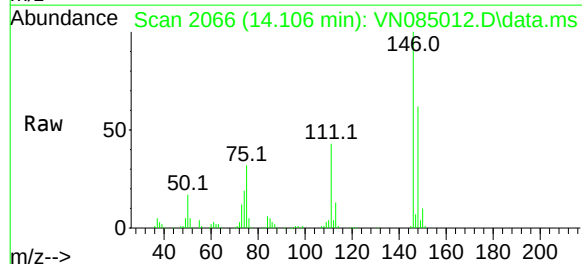
148 63.7 31.1 93.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.183 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

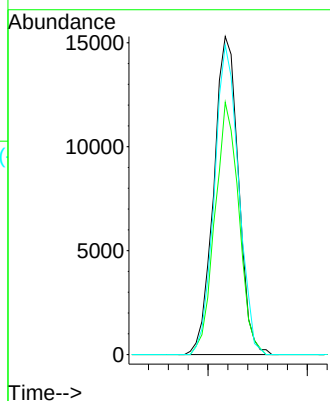
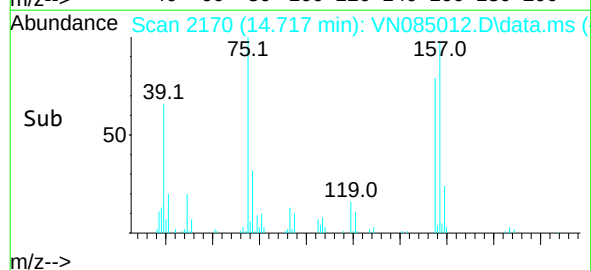
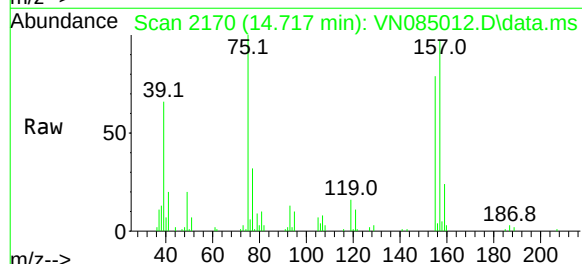
Tgt Ion: 75 Resp: 26503

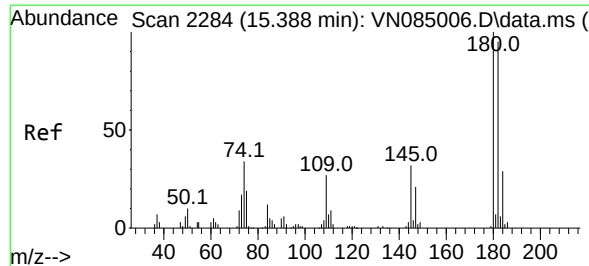
Ion Ratio Lower Upper

75 100

155 76.6 38.9 116.7

157 95.3 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 42.908 ug/l

RT: 15.394 min Scan# 2284

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

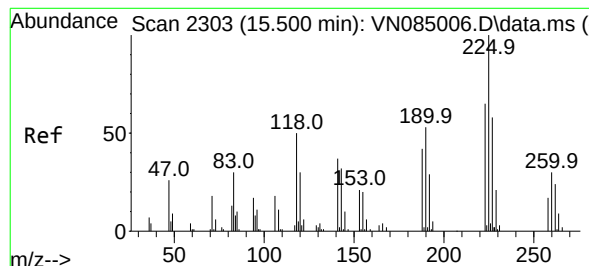
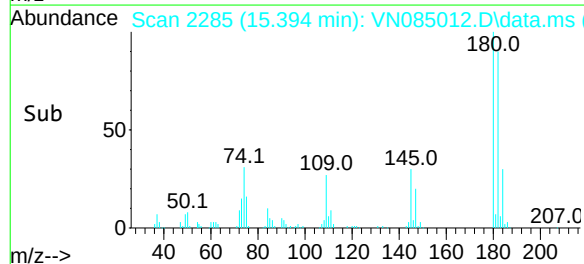
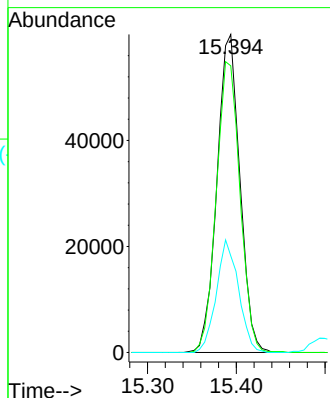
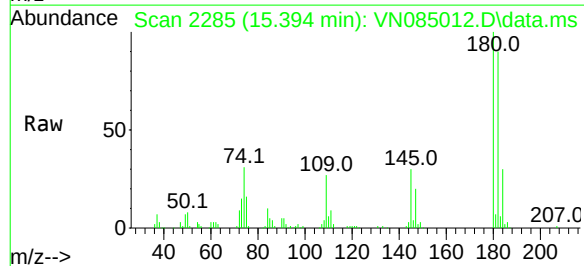
Tgt Ion:	180	Resp:	107707
Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.8
145	34.3	16.3	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 42.581 ug/l

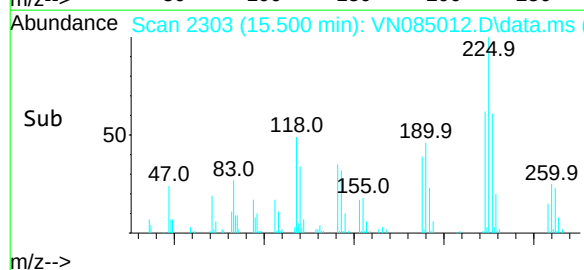
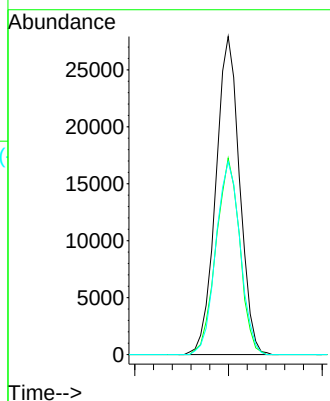
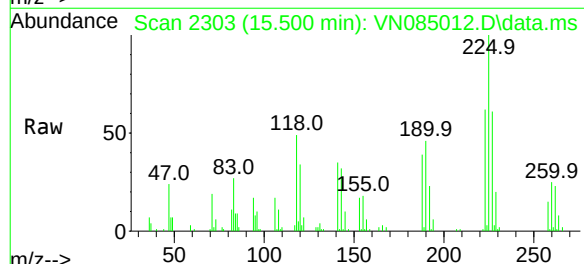
RT: 15.500 min Scan# 2303

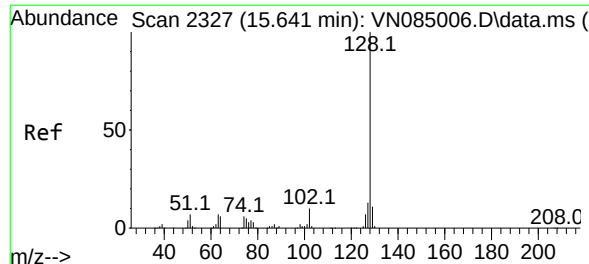
Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:	225	Resp:	49330
Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.9	92.8
227	61.9	31.5	94.5





#95

Naphthalene

Concen: 46.067 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

Tgt Ion:128 Resp: 329352

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

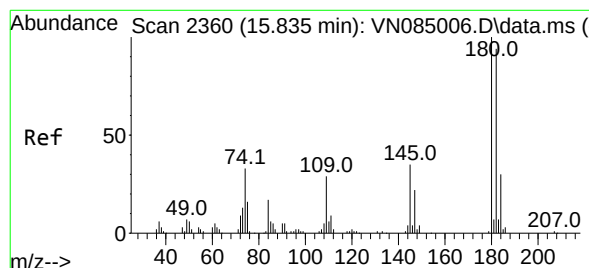
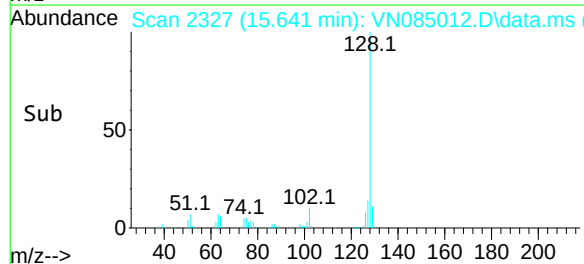
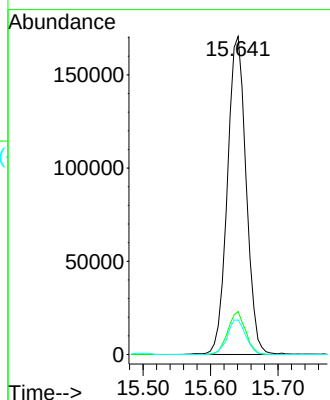
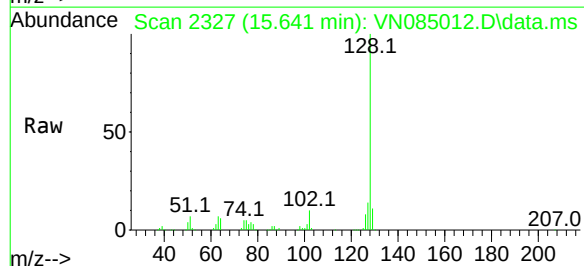
129 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 42.932 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

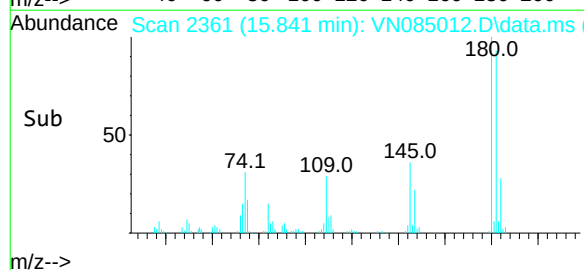
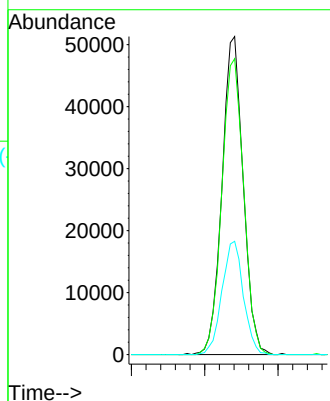
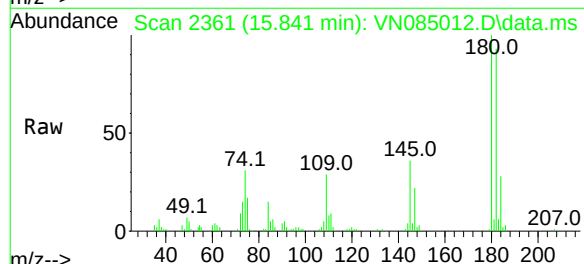
Tgt Ion:180 Resp: 102829

Ion Ratio Lower Upper

180 100

182 95.9 46.4 139.2

145 36.1 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	110	0.00
2 T	Dichlorodifluoromethane	0.565	0.527	6.7	104	0.00
3 P	Chloromethane	0.656	0.553	15.7	103	0.00
4 C	Vinyl Chloride	0.589	0.539	8.5#	103	0.00
5 T	Bromomethane	0.330	0.297	10.0	105	0.00
6 T	Chloroethane	0.397	0.330	16.9	96	0.01
7 T	Trichlorofluoromethane	1.002	0.921	8.1	105	0.02
8 T	Diethyl Ether	0.341	0.327	4.1	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.520	8.6	104	0.00
10 T	Methyl Iodide	0.753	0.708	6.0	105	0.00
11 T	Tert butyl alcohol	0.095	0.083	12.6	101	0.00
12 CM	1,1-Dichloroethene	0.531	0.495	6.8#	104	0.01
13 T	Acrolein	0.064	0.065	-1.6	103	0.00
14 T	Allyl chloride	0.895	0.844	5.7	105	0.00
15 T	Acrylonitrile	0.269	0.250	7.1	105	0.00
16 T	Acetone	0.207	0.210	-1.4	114	0.00
17 T	Carbon Disulfide	1.566	1.358	13.3	102	0.00
18 T	Methyl Acetate	0.804	0.618	23.1	104	0.00
19 T	Methyl tert-butyl Ether	1.734	1.685	2.8	105	0.00
20 T	Methylene Chloride	0.633	0.545	13.9	102	0.00
21 T	trans-1,2-Dichloroethene	0.558	0.512	8.2	101	0.00
22 T	Diisopropyl ether	1.801	1.703	5.4	106	0.00
23 T	Vinyl Acetate	1.242	1.230	1.0	105	0.00
24 P	1,1-Dichloroethane	1.078	0.984	8.7	103	0.00
25 T	2-Butanone	0.339	0.327	3.5	109	0.00
26 T	2,2-Dichloropropane	1.006	0.933	7.3	104	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.614	8.8	103	0.00
28 T	Bromochloromethane	0.407	0.374	8.1	104	0.00
29 T	Tetrahydrofuran	0.211	0.204	3.3	105	0.00
30 C	Chloroform	1.146	1.046	8.7#	105	0.00
31 T	Cyclohexane	0.949	0.874	7.9	109	0.00
32 T	1,1,1-Trichloroethane	1.036	0.947	8.6	103	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	113	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35 S	Dibromofluoromethane	0.337	0.348	-3.3	111	0.00
36 T	1,1-Dichloropropene	0.457	0.439	3.9	104	0.00
37 T	Ethyl Acetate	0.415	0.387	6.7	104	0.00
38 T	Carbon Tetrachloride	0.527	0.515	2.3	104	0.00
39 T	Methylcyclohexane	0.475	0.495	-4.2	106	0.00
40 TM	Benzene	1.444	1.377	4.6	105	0.00
41 T	Methacrylonitrile	0.230	0.227	1.3	106	0.00
42 TM	1,2-Dichloroethane	0.494	0.465	5.9	105	0.00
43 T	Isopropyl Acetate	0.862	0.717	16.8	103	0.00
44 TM	Trichloroethene	0.336	0.317	5.7	105	0.00
45 C	1,2-Dichloropropane	0.356	0.335	5.9#	104	0.00
46 T	Dibromomethane	0.247	0.237	4.0	105	0.00
47 T	Bromodichloromethane	0.524	0.499	4.8	103	0.00
48 T	Methyl methacrylate	0.321	0.327	-1.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
50 S	Toluene-d8	1.208	1.293	-7.0	112	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.397	-0.8	106	0.00
52 CM	Toluene	0.855	0.850	0.6#	104	0.00
53 T	t-1,3-Dichloropropene	0.525	0.514	2.1	101	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.558	-0.2	105	0.00
55 T	1,1,2-Trichloroethane	0.319	0.314	1.6	106	0.00
56 T	Ethyl methacrylate	0.465	0.509	-9.5	106	0.00
57 T	1,3-Dichloropropane	0.561	0.538	4.1	104	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.215	5.7	86	0.00
59 T	2-Hexanone	0.295	0.303	-2.7	105	0.00
60 T	Dibromochloromethane	0.389	0.371	4.6	104	0.00
61 T	1,2-Dibromoethane	0.330	0.322	2.4	106	0.00
62 S	4-Bromofluorobenzene	0.452	0.482	-6.6	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.337	0.326	3.3	109	0.00
65 PM	Chlorobenzene	1.134	1.042	8.1	105	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.375	6.0	103	0.00
67 C	Ethyl Benzene	1.840	1.878	-2.1#	106	0.00
68 T	m/p-Xylenes	0.700	0.714	-2.0	106	0.00
69 T	o-Xylene	0.666	0.681	-2.3	105	0.00
70 T	Styrene	1.108	1.168	-5.4	107	0.00
71 P	Bromoform	0.296	0.288	2.7	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73 T	Isopropylbenzene	3.527	3.458	2.0	107	0.00
74 T	N-amyl acetate	1.454	1.437	1.2	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.031	14.4	105	0.00
76 T	1,2,3-Trichloropropane	0.909	0.823	9.5	103	0.00
77 T	Bromobenzene	0.949	0.843	11.2	103	0.00
78 T	n-propylbenzene	4.068	4.081	-0.3	108	0.00
79 T	2-Chlorotoluene	2.716	2.521	7.2	106	0.00
80 T	1,3,5-Trimethylbenzene	2.960	2.973	-0.4	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.385	6.6	106	0.00
82 T	4-Chlorotoluene	2.827	2.573	9.0	104	0.00
83 T	tert-Butylbenzene	2.547	2.493	2.1	107	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.044	0.1	106	0.00
85 T	sec-Butylbenzene	3.440	3.452	-0.3	106	0.00
86 T	p-Isopropyltoluene	2.840	2.938	-3.5	107	0.00
87 T	1,3-Dichlorobenzene	1.872	1.590	15.1	104	0.00
88 T	1,4-Dichlorobenzene	1.911	1.576	17.5	101	0.00
89 T	n-Butylbenzene	2.641	2.530	4.2	107	0.00
90 T	Hexachloroethane	0.619	0.561	9.4	104	0.00
91 T	1,2-Dichlorobenzene	1.794	1.560	13.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.206	11.6	106	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.836	14.3	104	0.00
94 T	Hexachlorobutadiene	0.450	0.383	14.9	107	0.00
95 T	Naphthalene	2.776	2.558	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	0.930	0.799	14.1	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	110	0.00
2 T	Dichlorodifluoromethane	50.000	46.612	6.8	104	0.00
3 P	Chloromethane	50.000	42.164	15.7	103	0.00
4 C	Vinyl Chloride	50.000	45.721	8.6#	103	0.00
5 T	Bromomethane	50.000	44.945	10.1	105	0.00
6 T	Chloroethane	50.000	41.527	16.9	96	0.01
7 T	Trichlorofluoromethane	50.000	45.916	8.2	105	0.02
8 T	Diethyl Ether	50.000	47.942	4.1	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.709	8.6	104	0.00
10 T	Methyl Iodide	50.000	47.063	5.9	105	0.00
11 T	Tert butyl alcohol	250.000	216.857	13.3	101	0.00
12 CM	1,1-Dichloroethene	50.000	46.677	6.6#	104	0.01
13 T	Acrolein	250.000	256.710	-2.7	103	0.00
14 T	Allyl chloride	50.000	47.178	5.6	105	0.00
15 T	Acrylonitrile	250.000	232.029	7.2	105	0.00
16 T	Acetone	250.000	252.665	-1.1	114	0.00
17 T	Carbon Disulfide	50.000	43.362	13.3	102	0.00
18 T	Methyl Acetate	50.000	46.500	7.0	104	0.00
19 T	Methyl tert-butyl Ether	50.000	48.602	2.8	105	0.00
20 T	Methylene Chloride	50.000	43.090	13.8	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.805	8.4	101	0.00
22 T	Diisopropyl ether	50.000	47.281	5.4	106	0.00
23 T	Vinyl Acetate	250.000	247.560	1.0	105	0.00
24 P	1,1-Dichloroethane	50.000	45.647	8.7	103	0.00
25 T	2-Butanone	250.000	240.802	3.7	109	0.00
26 T	2,2-Dichloropropane	50.000	46.349	7.3	104	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.609	8.8	103	0.00
28 T	Bromochloromethane	50.000	45.913	8.2	104	0.00
29 T	Tetrahydrofuran	250.000	241.241	3.5	105	0.00
30 C	Chloroform	50.000	45.623	8.8#	105	0.00
31 T	Cyclohexane	50.000	46.084	7.8	109	0.00
32 T	1,1,1-Trichloroethane	50.000	45.714	8.6	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.568	-1.1	113	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35 S	Dibromofluoromethane	50.000	51.572	-3.1	111	0.00
36 T	1,1-Dichloropropene	50.000	48.093	3.8	104	0.00
37 T	Ethyl Acetate	50.000	46.651	6.7	104	0.00
38 T	Carbon Tetrachloride	50.000	48.846	2.3	104	0.00
39 T	Methylcyclohexane	50.000	52.114	-4.2	106	0.00
40 TM	Benzene	50.000	47.675	4.7	105	0.00
41 T	Methacrylonitrile	50.000	49.311	1.4	106	0.00
42 TM	1,2-Dichloroethane	50.000	47.025	6.0	105	0.00
43 T	Isopropyl Acetate	50.000	41.574	16.9	103	0.00
44 TM	Trichloroethene	50.000	47.205	5.6	105	0.00
45 C	1,2-Dichloropropane	50.000	47.073	5.9#	104	0.00
46 T	Dibromomethane	50.000	47.909	4.2	105	0.00
47 T	Bromodichloromethane	50.000	47.631	4.7	103	0.00
48 T	Methyl methacrylate	50.000	50.900	-1.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	950.585	4.9	98	0.00
50 S	Toluene-d8	50.000	53.488	-7.0	112	0.00
51 T	4-Methyl-2-Pentanone	250.000	251.720	-0.7	106	0.00
52 CM	Toluene	50.000	49.682	0.6#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	48.881	2.2	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.100	-0.2	105	0.00
55 T	1,1,2-Trichloroethane	50.000	49.287	1.4	106	0.00
56 T	Ethyl methacrylate	50.000	54.694	-9.4	106	0.00
57 T	1,3-Dichloropropane	50.000	47.980	4.0	104	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	235.323	5.9	86	0.00
59 T	2-Hexanone	250.000	256.983	-2.8	105	0.00
60 T	Dibromochloromethane	50.000	47.650	4.7	104	0.00
61 T	1,2-Dibromoethane	50.000	48.883	2.2	106	0.00
62 S	4-Bromofluorobenzene	50.000	53.276	-6.6	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	48.316	3.4	109	0.00
65 PM	Chlorobenzene	50.000	45.936	8.1	105	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.991	6.0	103	0.00
67 C	Ethyl Benzene	50.000	51.046	-2.1#	106	0.00
68 T	m/p-Xylenes	100.000	101.951	-2.0	106	0.00
69 T	o-Xylene	50.000	51.086	-2.2	105	0.00
70 T	Styrene	50.000	52.687	-5.4	107	0.00
71 P	Bromoform	50.000	48.617	2.8	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73 T	Isopropylbenzene	50.000	49.014	2.0	107	0.00
74 T	N-amyl acetate	50.000	49.418	1.2	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	42.796	14.4	105	0.00
76 T	1,2,3-Trichloropropane	50.000	45.225	9.5	103	0.00
77 T	Bromobenzene	50.000	44.410	11.2	103	0.00
78 T	n-propylbenzene	50.000	50.160	-0.3	108	0.00
79 T	2-Chlorotoluene	50.000	46.409	7.2	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.220	-0.4	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.764	6.5	106	0.00
82 T	4-Chlorotoluene	50.000	45.496	9.0	104	0.00
83 T	tert-Butylbenzene	50.000	48.939	2.1	107	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.962	0.1	106	0.00
85 T	sec-Butylbenzene	50.000	50.166	-0.3	106	0.00
86 T	p-Isopropyltoluene	50.000	51.719	-3.4	107	0.00
87 T	1,3-Dichlorobenzene	50.000	42.459	15.1	104	0.00
88 T	1,4-Dichlorobenzene	50.000	41.240	17.5	101	0.00
89 T	n-Butylbenzene	50.000	47.892	4.2	107	0.00
90 T	Hexachloroethane	50.000	45.332	9.3	104	0.00
91 T	1,2-Dichlorobenzene	50.000	43.472	13.1	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.183	11.6	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	42.908	14.2	104	0.00
94 T	Hexachlorobutadiene	50.000	42.581	14.8	107	0.00
95 T	Naphthalene	50.000	46.067	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	42.932	14.1	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG No.: P5117

Instrument ID: MSVOA_N Calibration Date/Time: 12/09/2024 10:32

Lab File ID: VN085142.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.589	0.495		-15.96	20
1,1-Dichloroethene	0.531	0.486		-8.48	20
2-Butanone	0.339	0.351		3.54	20
Carbon Tetrachloride	0.527	0.559		6.07	20
Chloroform	1.146	1.087		-5.15	20
Benzene	1.445	1.457		0.9	20
1,2-Dichloroethane	0.494	0.498		0.81	20
Trichloroethene	0.336	0.347		3.27	20
Tetrachloroethene	0.337	0.355		5.34	20
Chlorobenzene	1.134	1.124	0.3	-0.88	20
1,2-Dichloroethane-d4	0.712	0.678		-4.78	20
Dibromofluoromethane	0.337	0.350		3.86	20
Toluene-d8	1.208	1.232		1.99	20
4-Bromofluorobenzene	0.452	0.465		2.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	169304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120023	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114719	47.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.140%
35) Dibromofluoromethane	8.165	113	92766	51.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.760%
50) Toluene-d8	10.565	98	326526	50.960	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.847	95	123192	51.412	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	74077	38.695	ug/l	98
3) Chloromethane	2.359	50	80185	36.113	ug/l	97
4) Vinyl Chloride	2.512	62	83740	41.966	ug/l	97
5) Bromomethane	2.942	94	53457	47.797	ug/l	91
6) Chloroethane	3.118	64	59690	44.380	ug/l	100
7) Trichlorofluoromethane	3.495	101	155891	45.926	ug/l	99
8) Diethyl Ether	3.959	74	54603	47.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	91050	47.294	ug/l	97
10) Methyl Iodide	4.583	142	89363	35.067	ug/l	97
11) Tert butyl alcohol	5.518	59	76683	237.948	ug/l	96
12) 1,1-Dichloroethene	4.342	96	82362	45.833	ug/l	99
13) Acrolein	4.177	56	64513	300.005	ug/l	97
14) Allyl chloride	5.018	41	117645	38.835	ug/l	92
15) Acrylonitrile	5.712	53	221719	243.009	ug/l	100
16) Acetone	4.424	43	203220	289.341	ug/l	96
17) Carbon Disulfide	4.706	76	226138	42.635	ug/l	98
18) Methyl Acetate	5.018	43	108094	48.108	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	282616	48.135	ug/l	100
20) Methylene Chloride	5.271	84	95322	44.476	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	87778	46.418	ug/l	96
22) Diisopropyl ether	6.665	45	281466	46.165	ug/l	98
23) Vinyl Acetate	6.600	43	1037308	246.613	ug/l	100
24) 1,1-Dichloroethane	6.565	63	169467	46.447	ug/l	98
25) 2-Butanone	7.477	43	297377	258.973	ug/l	97
26) 2,2-Dichloropropane	7.489	77	159044	46.682	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	105165	46.131	ug/l	99
28) Bromochloromethane	7.812	49	63733	46.274	ug/l	95
29) Tetrahydrofuran	7.836	42	184053	257.747	ug/l	98
30) Chloroform	7.965	83	183970	47.401	ug/l	100
31) Cyclohexane	8.253	56	140953	43.877	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	165151	47.089	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123613	51.043	ug/l	99
37) Ethyl Acetate	7.559	43	116196	52.778	ug/l	98
38) Carbon Tetrachloride	8.359	117	148269	53.041	ug/l	96
39) Methylcyclohexane	9.600	83	131927	52.424	ug/l	97
40) Benzene	8.606	78	386295	50.434	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62238	51.058	ug/l	96
42) 1,2-Dichloroethane	8.671	62	132099	50.412	ug/l	99
43) Isopropyl Acetate	8.688	43	196670	43.006	ug/l	97
44) Trichloroethene	9.347	130	91956	51.660	ug/l	94
45) 1,2-Dichloropropane	9.618	63	92953	49.272	ug/l	93
46) Dibromomethane	9.706	93	67996	51.870	ug/l	98
47) Bromodichloromethane	9.888	83	145741	52.456	ug/l	97
48) Methyl methacrylate	9.677	41	91470	53.750	ug/l	98
49) 1,4-Dioxane	9.694	88	37193	1260.284	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	608624	291.377	ug/l	99
52) Toluene	10.630	92	245225	54.081	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	143697	51.589	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	153615	51.984	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	91610	54.241	ug/l	98
56) Ethyl methacrylate	10.871	69	145017	58.759	ug/l	98
57) 1,3-Dichloropropane	11.165	76	154792	52.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	312633	258.243	ug/l	100
59) 2-Hexanone	11.194	43	467460	299.229	ug/l	100
60) Dibromochloromethane	11.359	129	114019	55.238	ug/l	99
61) 1,2-Dibromoethane	11.465	107	93195	53.317	ug/l	97
64) Tetrachloroethene	11.100	164	83557	52.620	ug/l	97
65) Chlorobenzene	11.888	112	264819	49.550	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96896	51.493	ug/l	99
67) Ethyl Benzene	11.959	91	466309	53.779	ug/l	99
68) m/p-Xylenes	12.071	106	362598	109.841	ug/l	100
69) o-Xylene	12.394	106	169397	53.945	ug/l	100
70) Styrene	12.412	104	301784	57.790	ug/l	98
71) Bromoform	12.576	173	79256	56.742	ug/l #	100
73) Isopropylbenzene	12.694	105	441629	52.158	ug/l	100
74) N-amyl acetate	12.494	43	176132	50.480	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	134339	46.462	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	109621m	50.213	ug/l	
77) Bromobenzene	12.976	156	109596	48.098	ug/l	99
78) n-propylbenzene	13.035	91	528037	54.068	ug/l	99
79) 2-Chlorotoluene	13.123	91	319326	48.981	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	387163	54.491	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49298m	49.850	ug/l	
82) 4-Chlorotoluene	13.218	91	331046	48.778	ug/l	99
83) tert-Butylbenzene	13.435	119	310870	50.852	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	387968	53.047	ug/l	100
85) sec-Butylbenzene	13.612	105	447037	54.132	ug/l	99
86) p-Isopropyltoluene	13.729	119	379947	55.734	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	202457	45.047	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	202736	44.203	ug/l	98
89) n-Butylbenzene	14.053	91	317319	50.053	ug/l	99
90) Hexachloroethane	14.329	117	74535	50.159	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	190711	44.283	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26256	46.961	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	98579	42.133	ug/l	99
94) Hexachlorobutadiene	15.500	225	46941	43.472	ug/l	98
95) Naphthalene	15.641	128	299742	44.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	97267	43.570	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

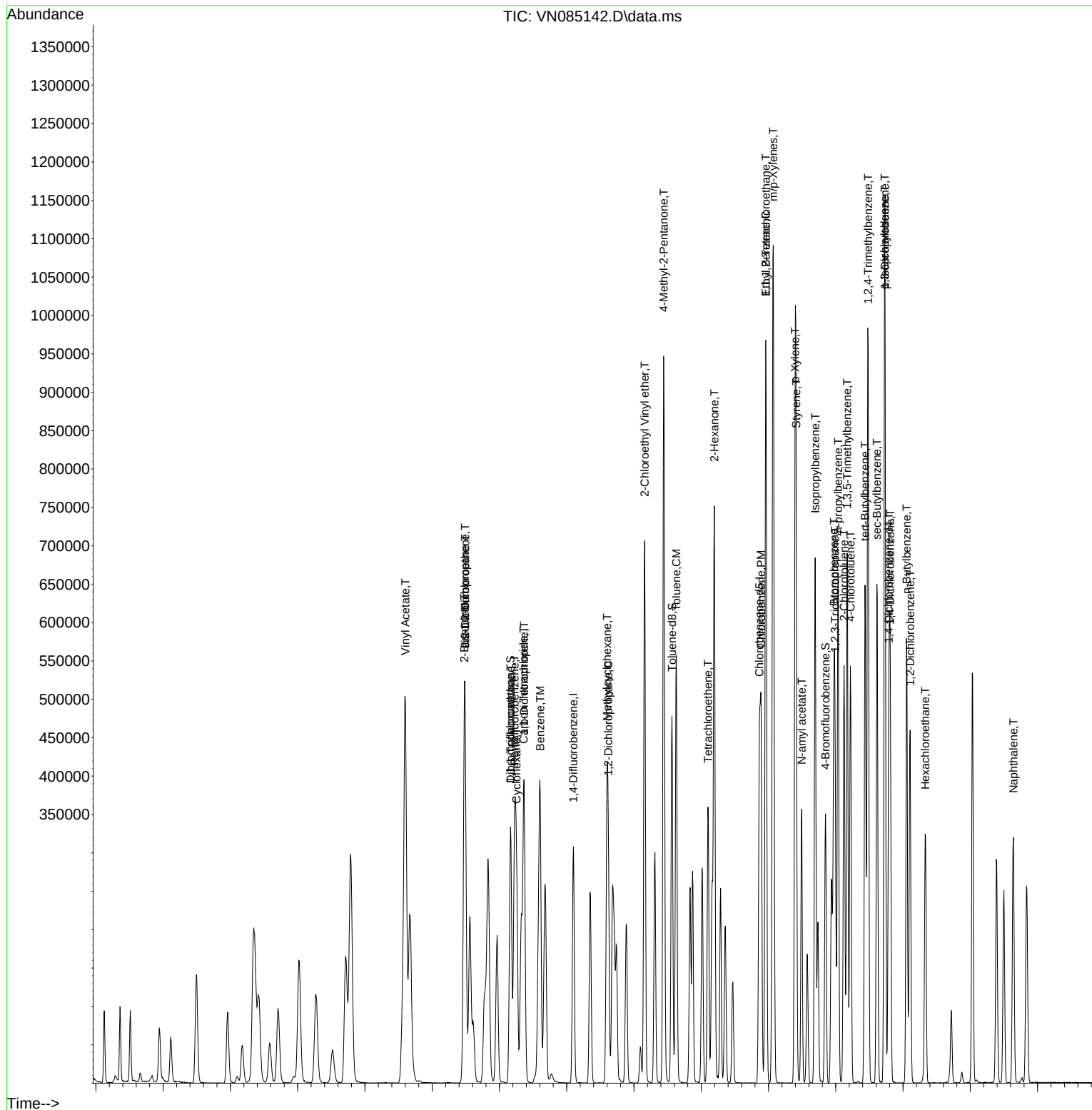
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\  
Data File : VN085142.D  
Acq On    : 09 Dec 2024  10:32  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 2    Sample Multiplier: 1
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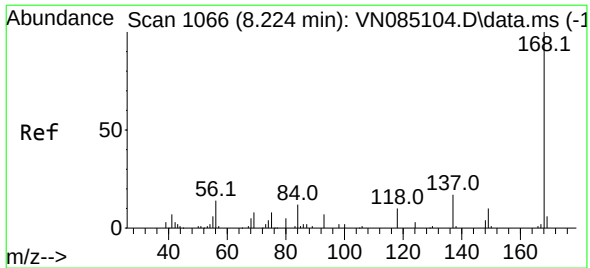
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

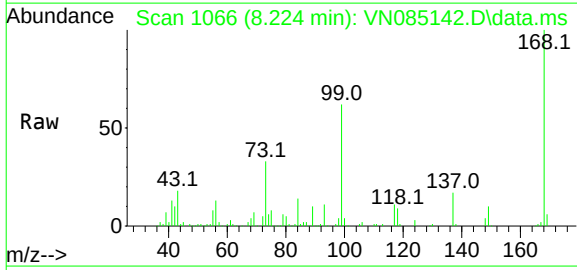
Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

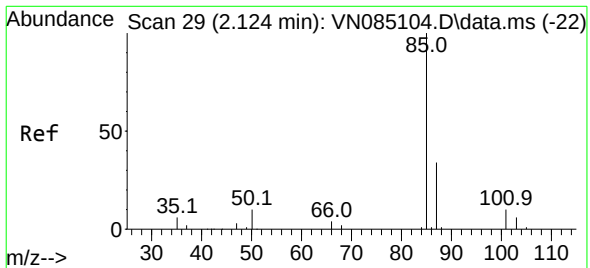
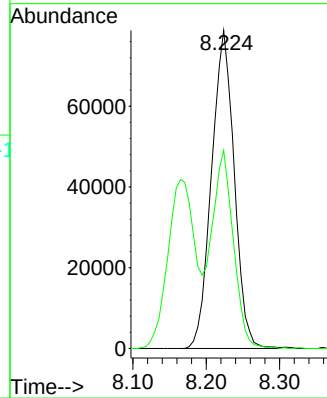
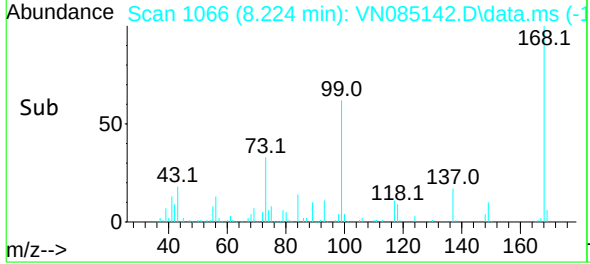
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 168 Resp: 169304
Ion Ratio Lower Upper
168 100
99 62.3 51.2 76.8

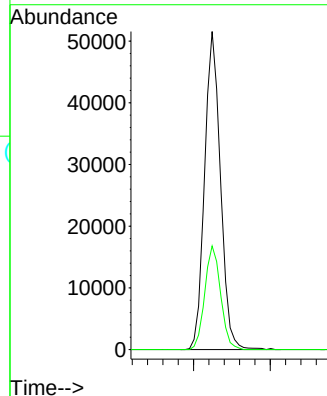
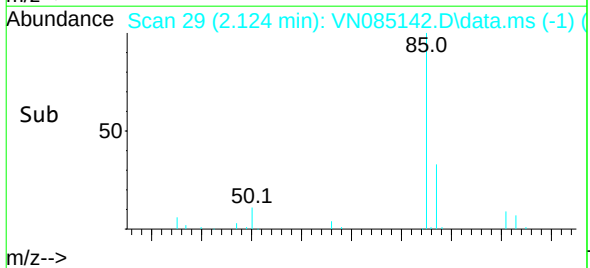
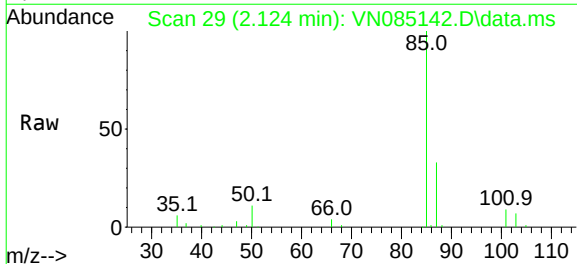
Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

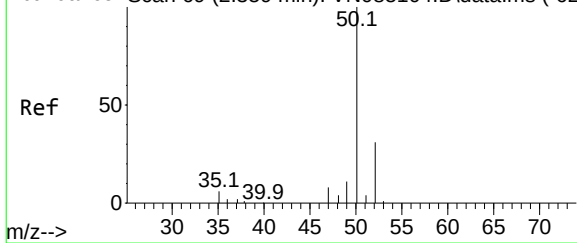


#2
Dichlorodifluoromethane
Concen: 38.695 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 85 Resp: 74077
Ion Ratio Lower Upper
85 100
87 32.6 15.7 47.1



Abundance Scan 69 (2.359 min): VN085104.D\data.ms (-62)



#3

Chloromethane

Concen: 36.113 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 80185

Ion Ratio Lower Upper

50 100

52 33.2 27.8 41.8

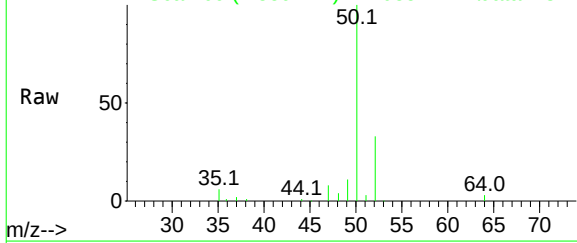
Manual Integrations

APPROVED

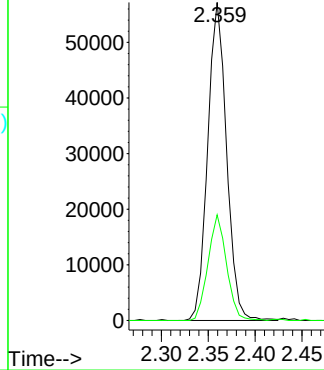
Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024

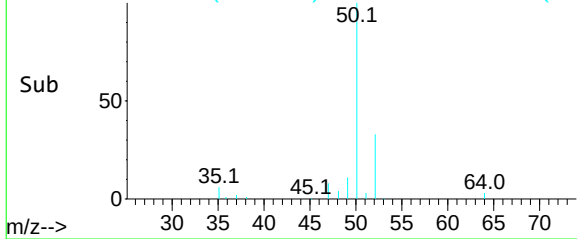
Abundance Scan 69 (2.359 min): VN085142.D\data.ms



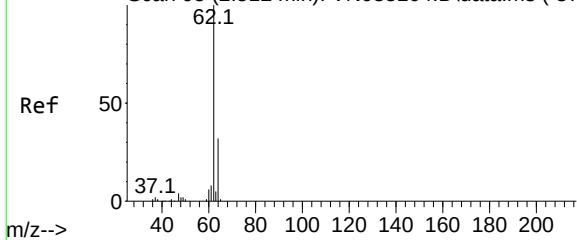
Abundance



Abundance Scan 69 (2.359 min): VN085142.D\data.ms (-18)



Abundance Scan 95 (2.512 min): VN085104.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 41.966 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

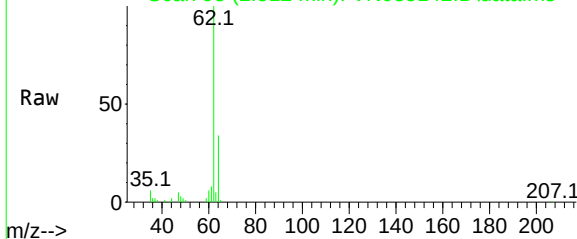
Tgt Ion: 62 Resp: 83740

Ion Ratio Lower Upper

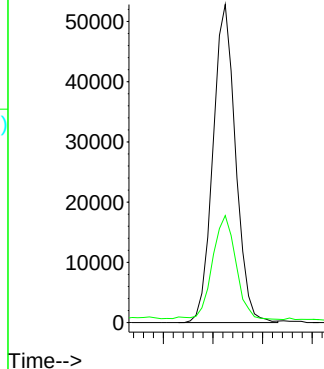
62 100

64 32.6 24.6 36.8

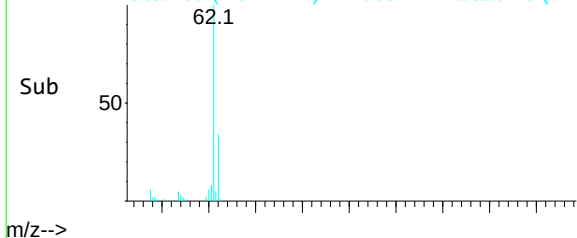
Abundance Scan 95 (2.512 min): VN085142.D\data.ms

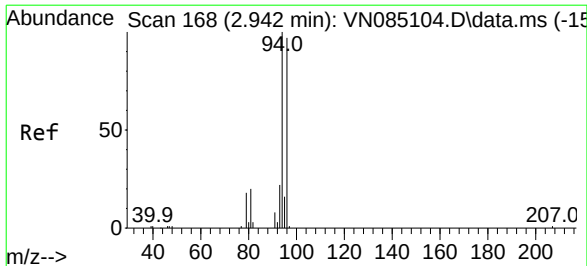


Abundance



Abundance Scan 95 (2.512 min): VN085142.D\data.ms (-44)





#5

Bromomethane

Concen: 47.797 ug/l

RT: 2.942 min Scan# 168

Delta R.T. 0.041 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 53457

Ion Ratio Lower Upper

94 100

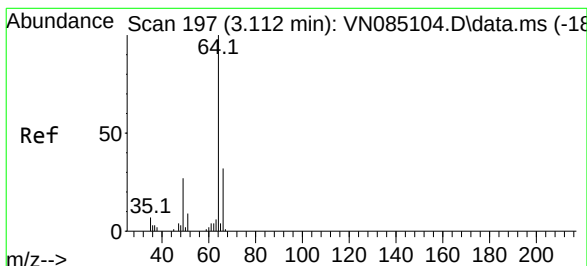
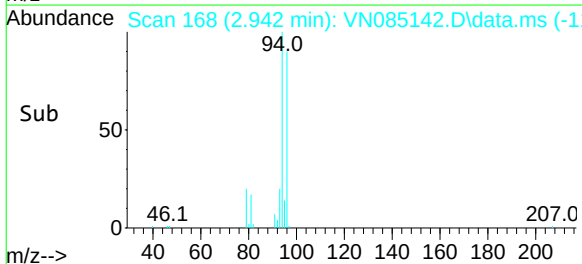
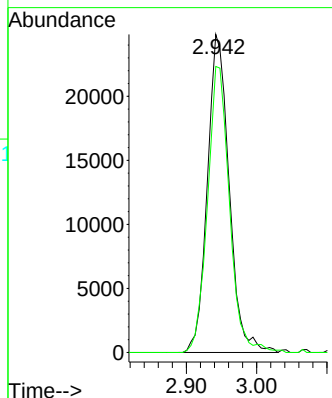
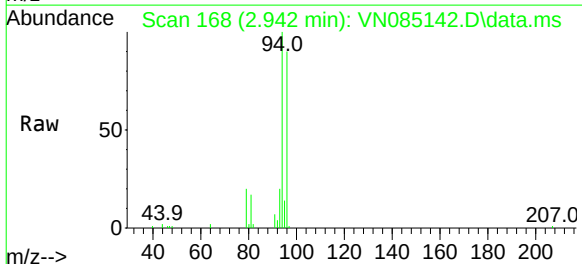
96 89.9 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 44.380 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.053 min

Lab File: VN085142.D

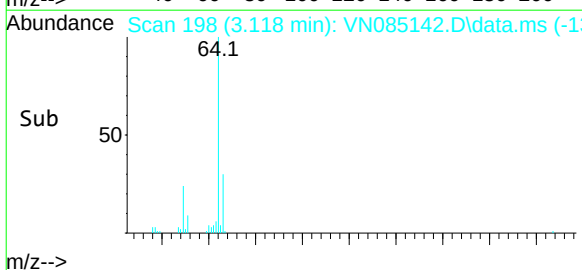
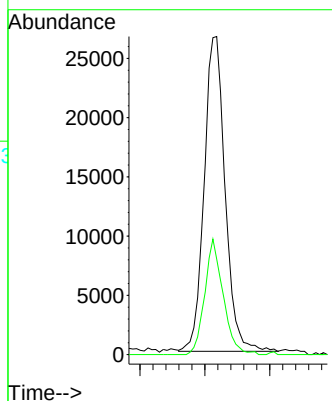
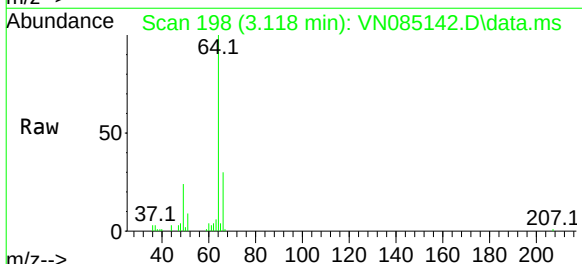
Acq: 09 Dec 2024 10:32

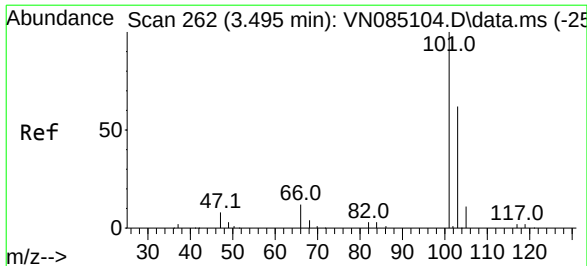
Tgt Ion: 64 Resp: 59690

Ion Ratio Lower Upper

64 100

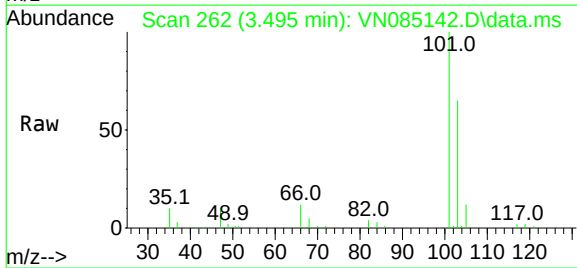
66 30.3 24.4 36.6





#7
 Trichlorofluoromethane
 Concen: 45.926 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. 0.035 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

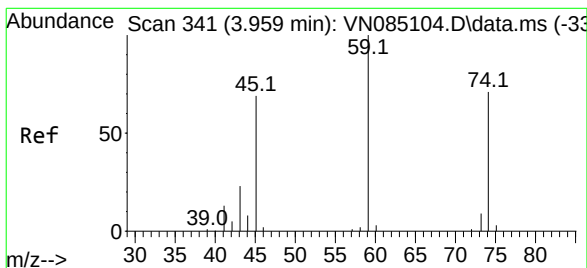
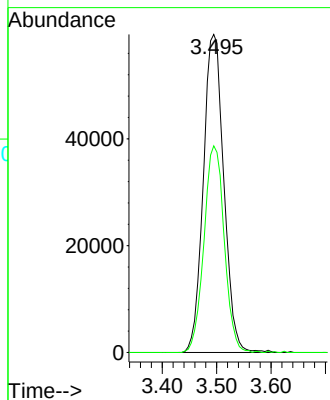
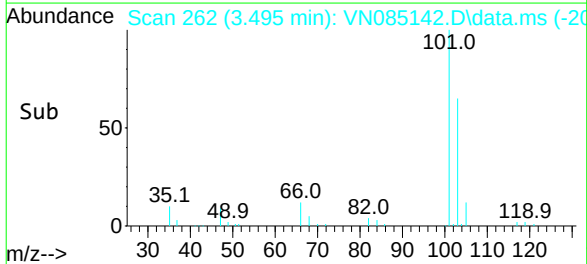
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050



Tgt Ion: 101 Resp: 155891
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

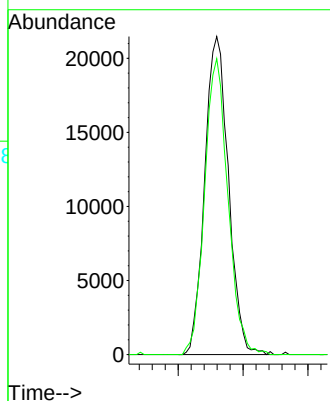
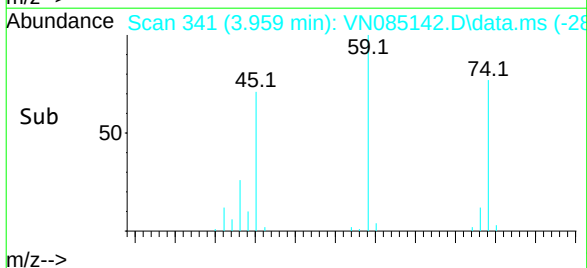
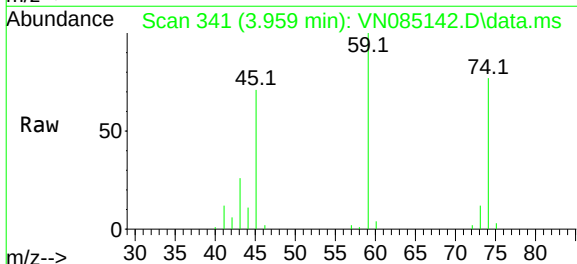
Manual Integrations
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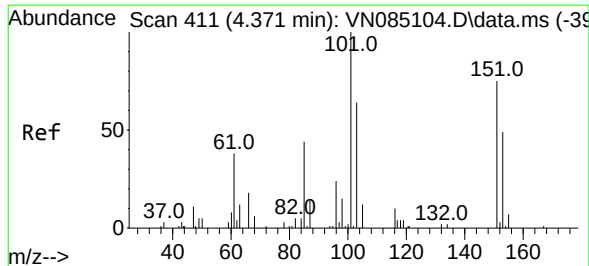
Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024



#8
 Diethyl Ether
 Concen: 47.263 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.012 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

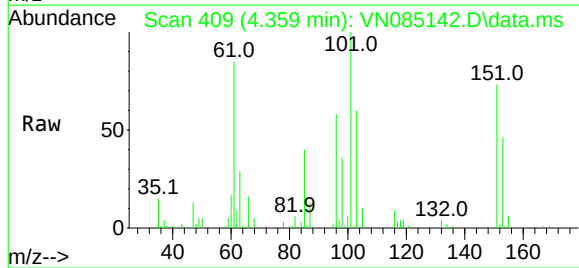
Tgt Ion: 74 Resp: 54603
 Ion Ratio Lower Upper
 74 100
 45 91.6 46.7 140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.294 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

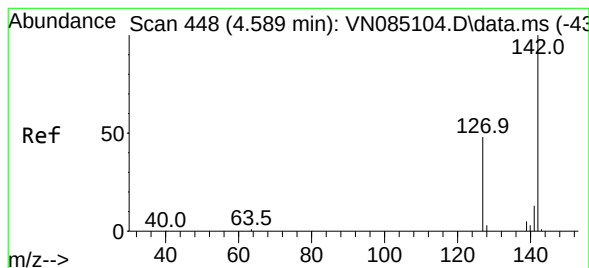
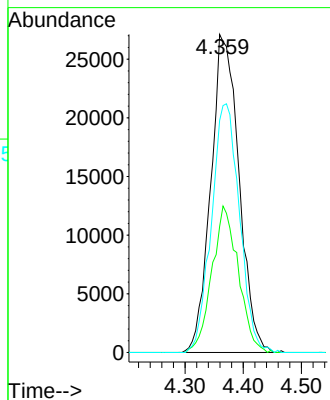
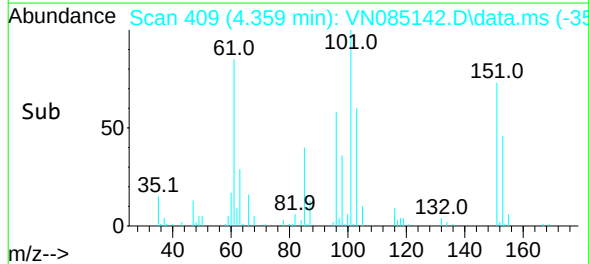
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 91050
Ion Ratio Lower Upper
101 100
85 43.3 36.9 55.3
151 78.1 60.8 91.2

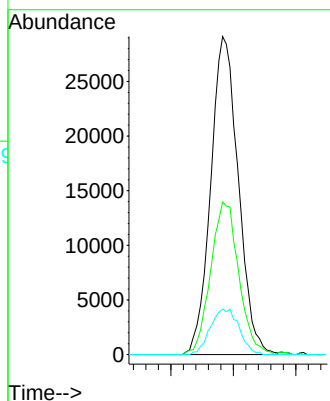
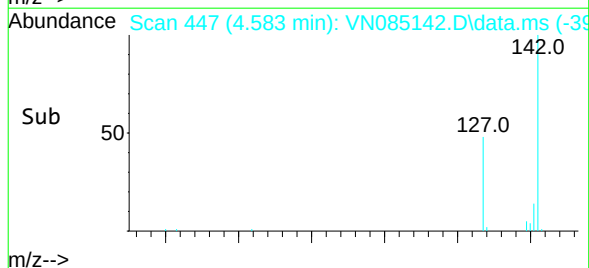
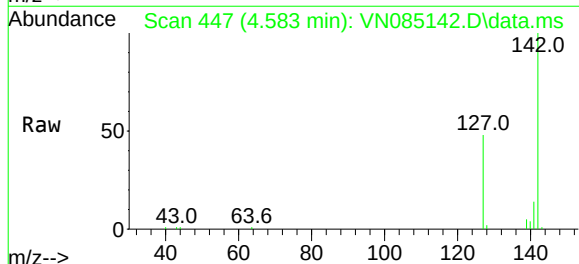
Manual Integrations
APPROVED

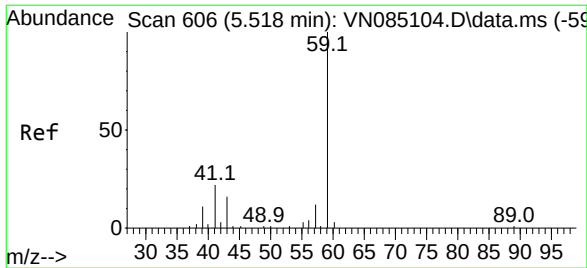
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10
Methyl Iodide
Concen: 35.067 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:142 Resp: 89363
Ion Ratio Lower Upper
142 100
127 48.0 36.6 54.8
141 14.3 12.2 18.4





#11

Tert butyl alcohol

Concen: 237.948 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.024 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 76683

Ion Ratio Lower Upper

59 100

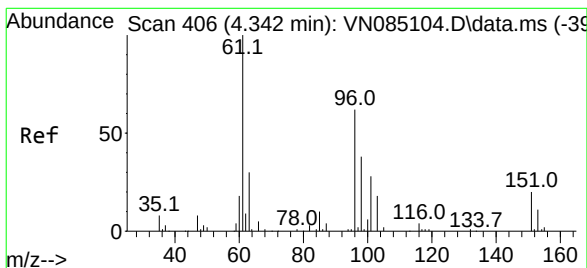
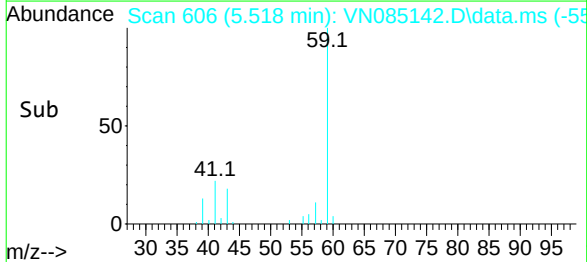
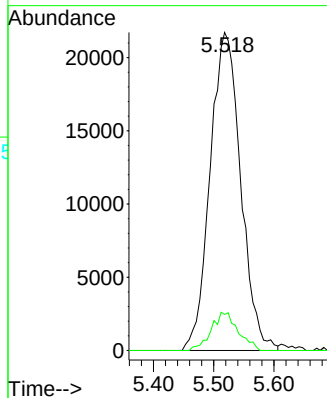
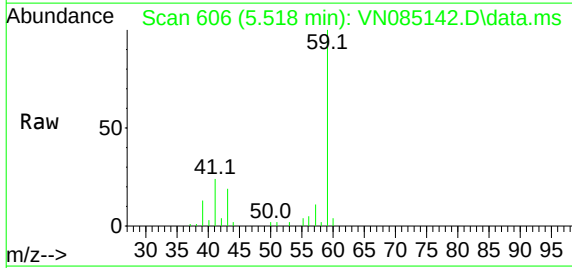
57 10.5 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 45.833 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.023 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

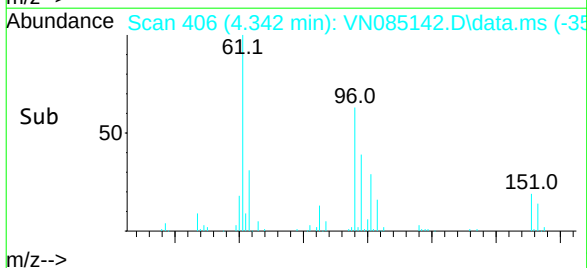
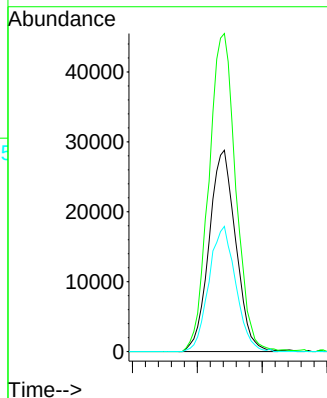
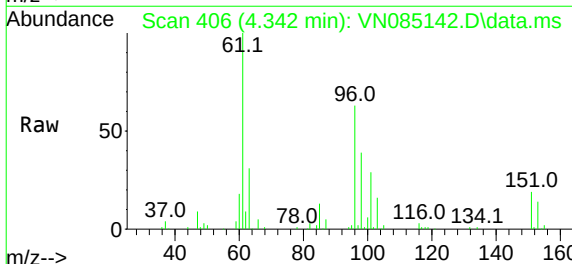
Tgt Ion: 96 Resp: 82362

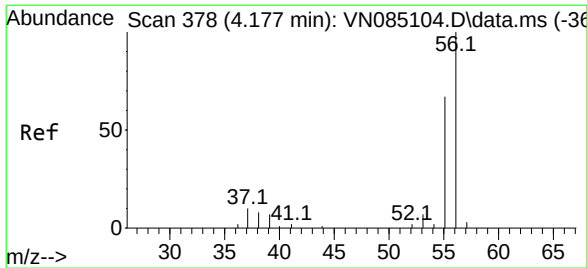
Ion Ratio Lower Upper

96 100

61 157.9 127.8 191.8

98 62.2 49.2 73.8





#13

Acrolein

Concen: 300.005 ug/l

RT: 4.177 min Scan# 37

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 64513

Ion Ratio Lower Upper

56 100

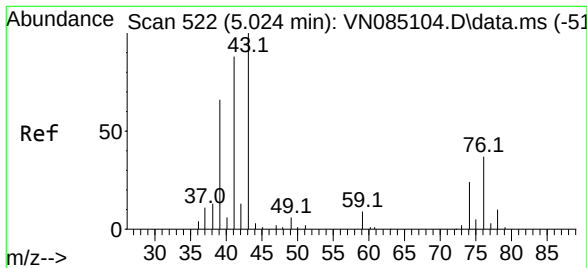
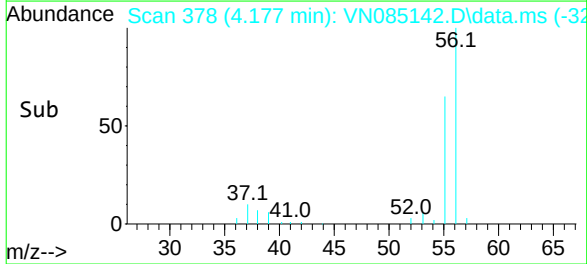
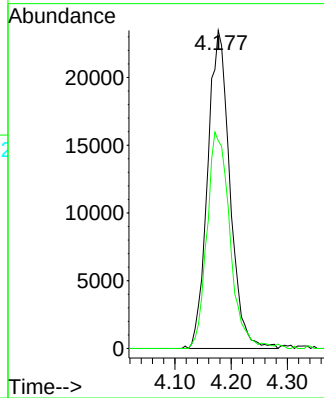
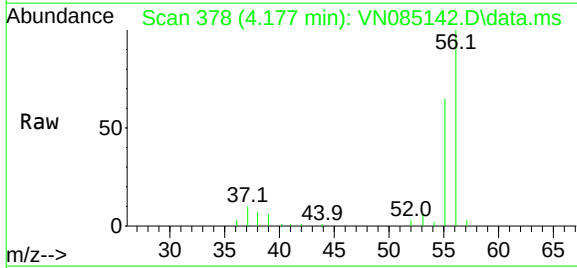
55 70.2 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 38.835 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

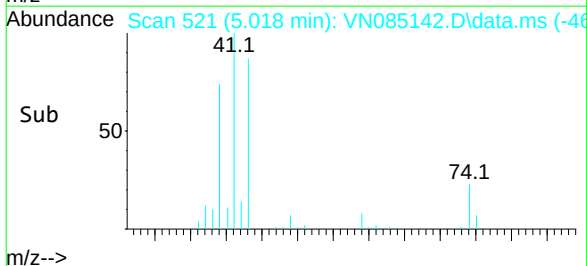
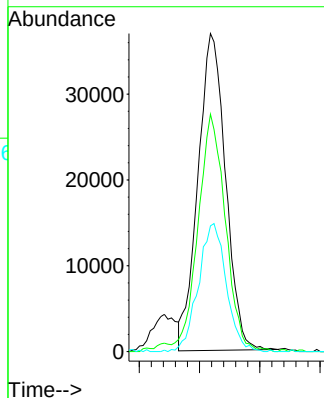
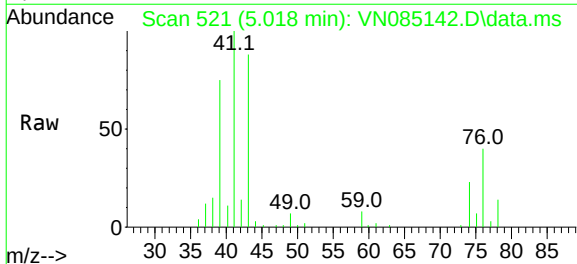
Tgt Ion: 41 Resp: 117645

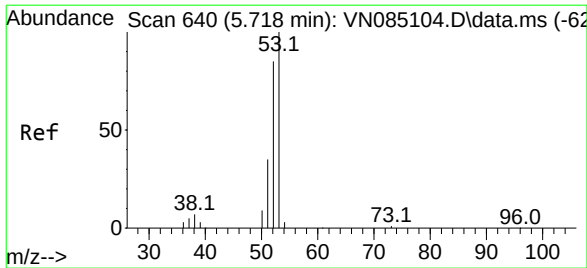
Ion Ratio Lower Upper

41 100

39 74.1 53.8 80.8

76 40.7 29.3 43.9





#15

Acrylonitrile

Concen: 243.009 ug/l

RT: 5.712 min Scan# 63

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

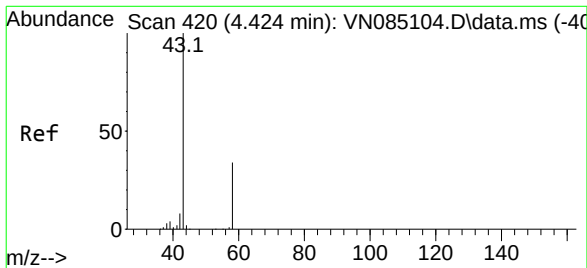
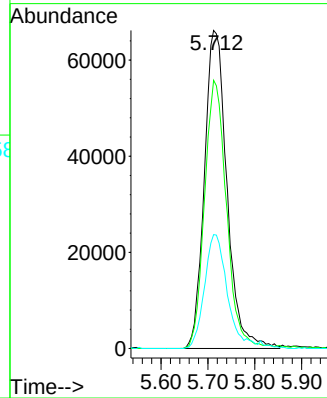
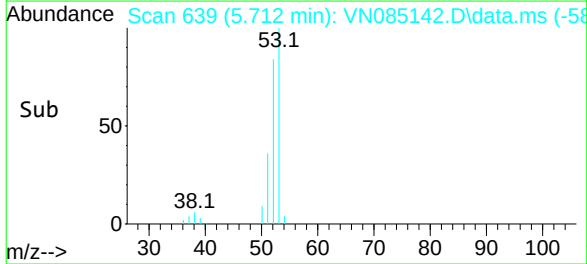
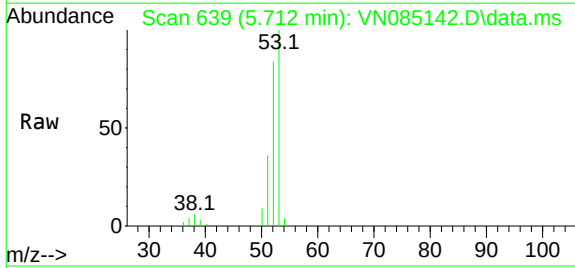
Tgt Ion:	53	Resp:	221719
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	36.2	28.4	42.6

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 289.341 ug/l

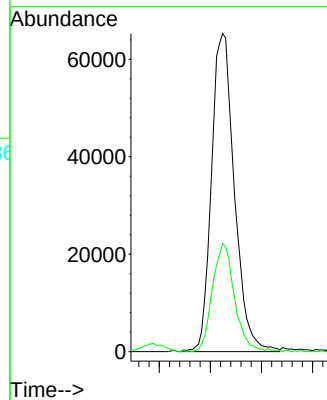
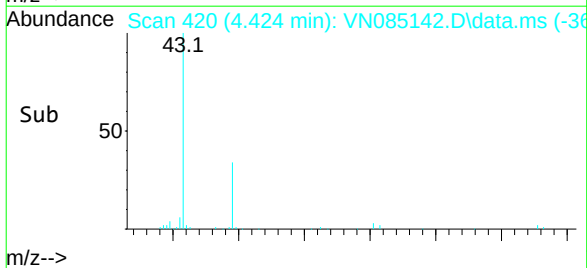
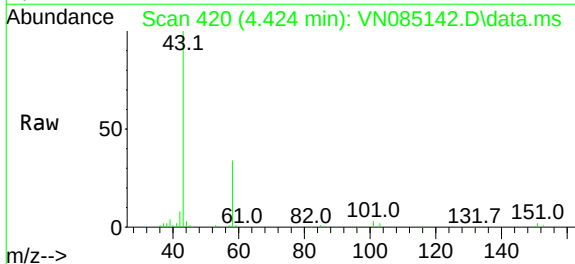
RT: 4.424 min Scan# 420

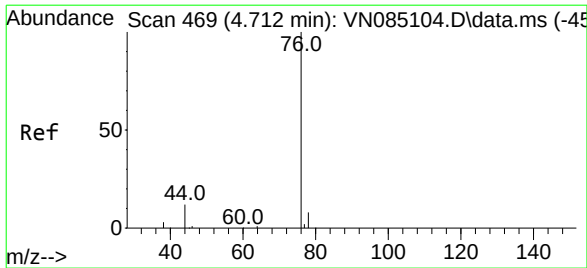
Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:	43	Resp:	203220
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.4	38.2





#17

Carbon Disulfide

Concen: 42.635 ug/l

RT: 4.706 min Scan# 46

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 226138

Ion Ratio Lower Upper

76 100

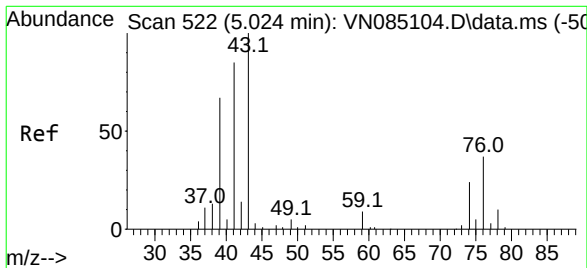
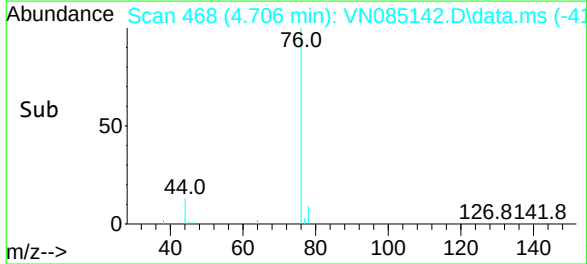
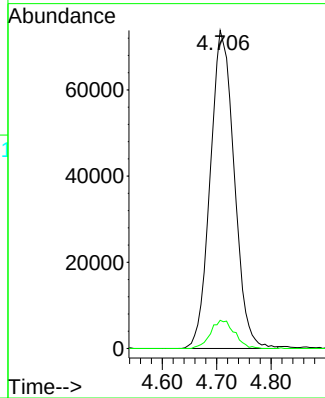
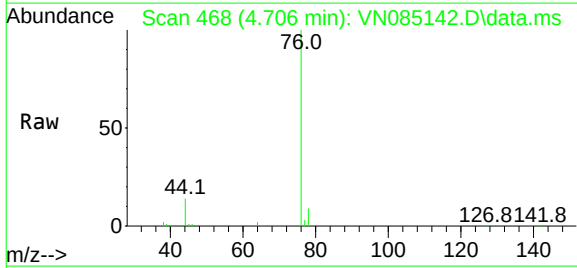
78 8.9 6.5 9.7

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 48.108 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085142.D

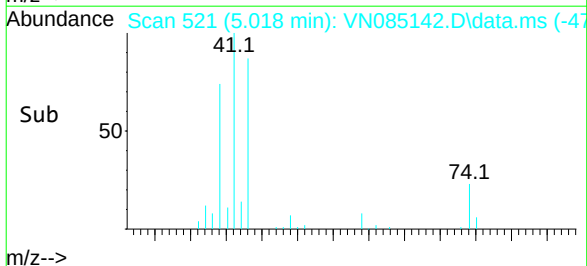
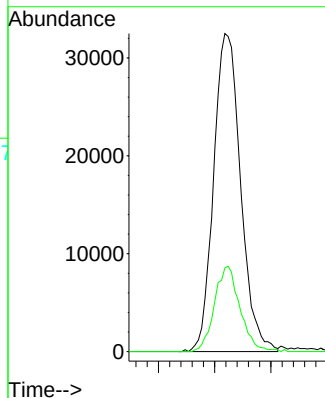
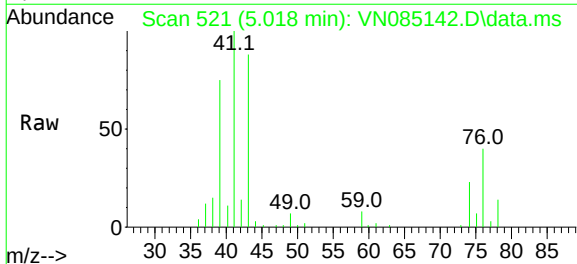
Acq: 09 Dec 2024 10:32

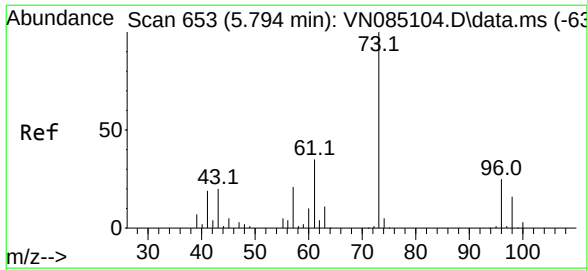
Tgt Ion: 43 Resp: 108094

Ion Ratio Lower Upper

43 100

74 25.3 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 48.135 ug/l

RT: 5.795 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 282616

Ion Ratio Lower Upper

73 100

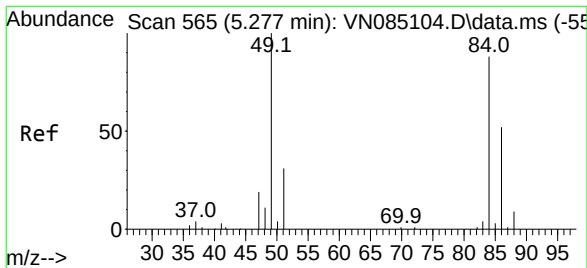
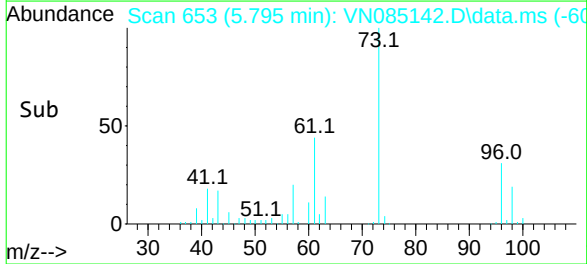
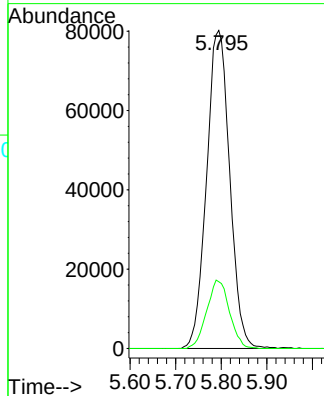
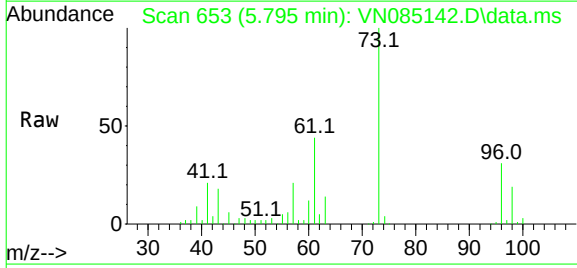
57 21.0 17.0 25.4

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 44.476 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion: 84 Resp: 95322

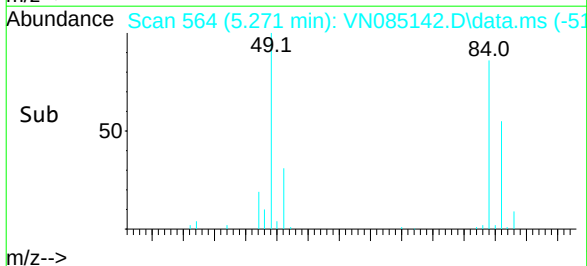
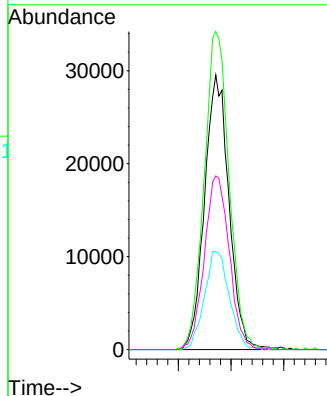
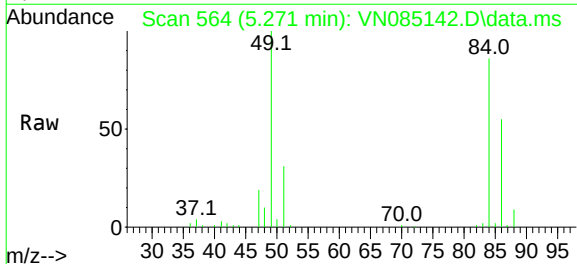
Ion Ratio Lower Upper

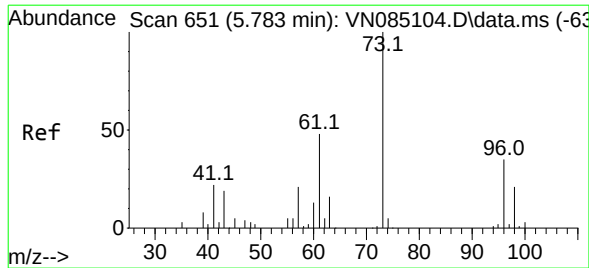
84 100

49 115.8 92.7 139.1

51 35.6 29.4 44.2

86 63.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 46.418 ug/l

RT: 5.789 min Scan# 651

Delta R.T. 0.018 min

Lab File: VN085142.D

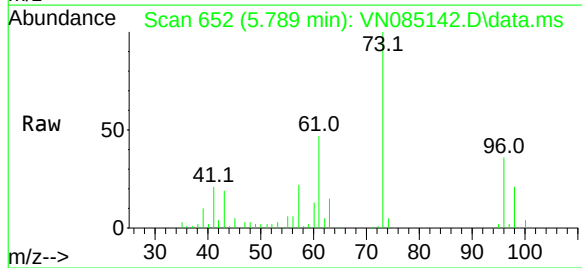
Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 87778

Ion Ratio Lower Upper

96 100

61 131.2 100.7 151.1

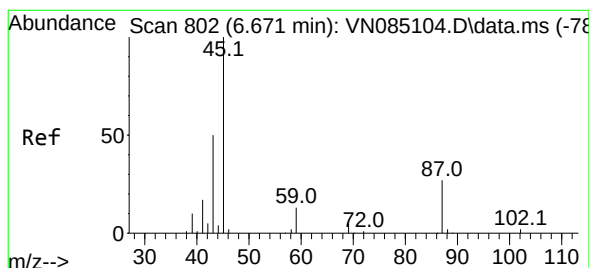
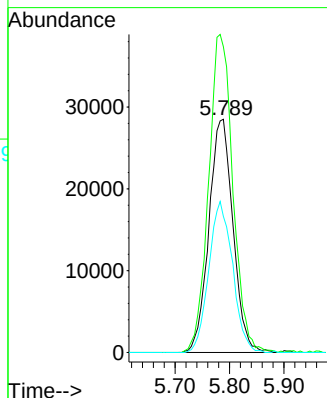
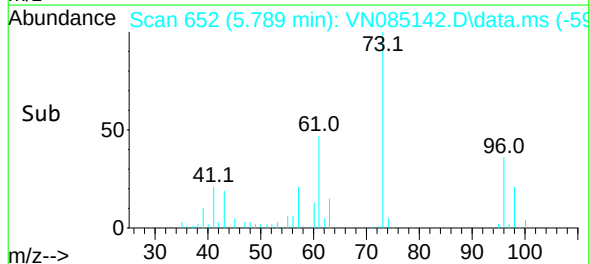
98 58.4 45.8 68.6

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

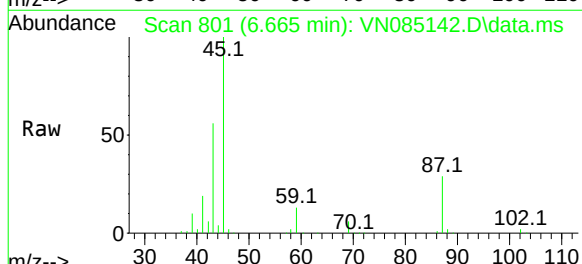
Concen: 46.165 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32



Tgt Ion: 45 Resp: 281466

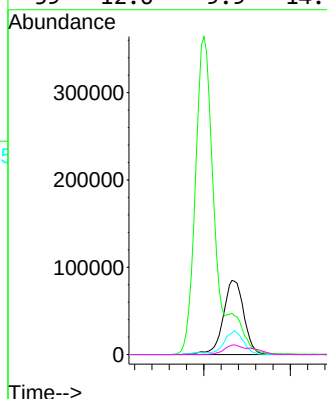
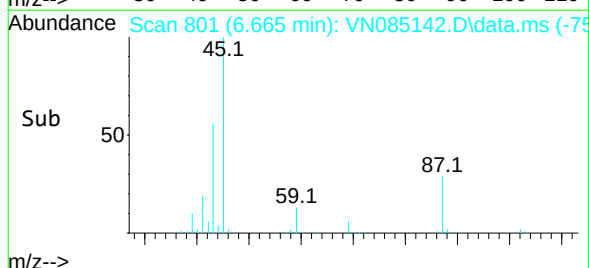
Ion Ratio Lower Upper

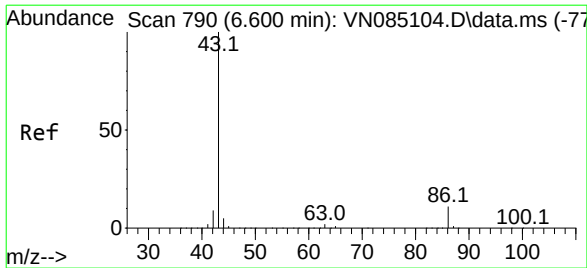
45 100

43 54.8 42.7 64.1

87 29.1 22.6 34.0

59 12.6 9.9 14.9





#23

Vinyl Acetate

Concen: 246.613 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1037308

Ion Ratio Lower Upper

43 100

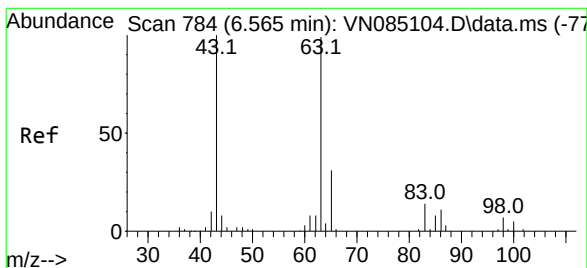
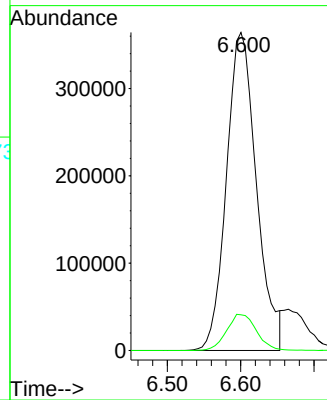
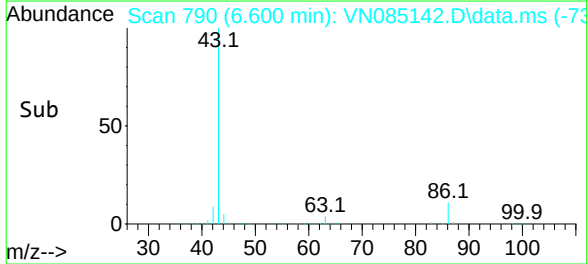
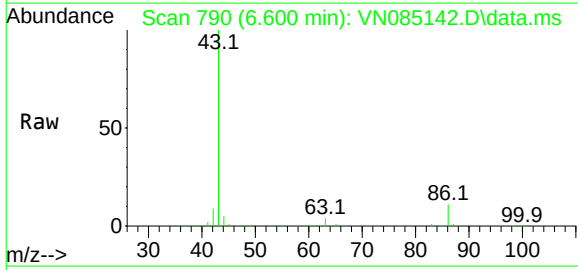
86 11.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 46.447 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

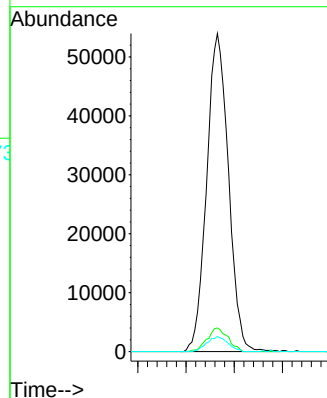
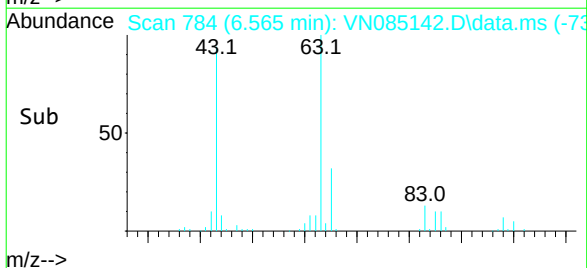
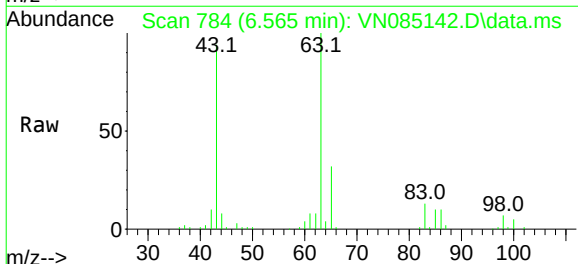
Tgt Ion: 63 Resp: 169467

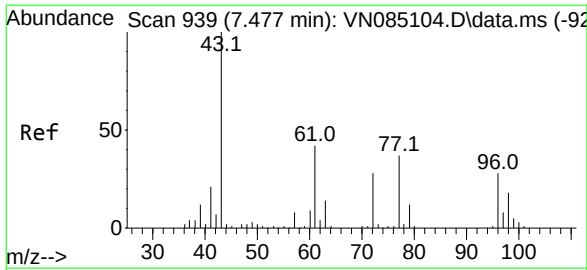
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 258.973 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 297377

Ion Ratio Lower Upper

43 100

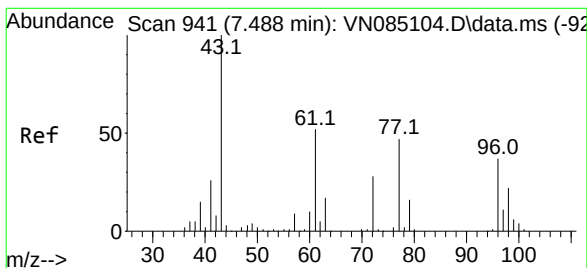
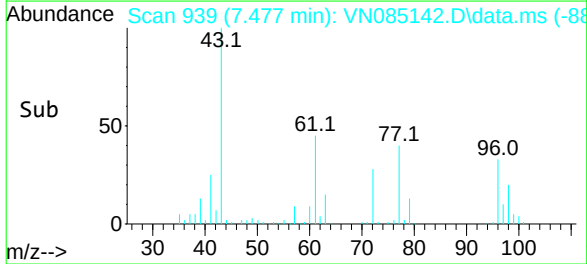
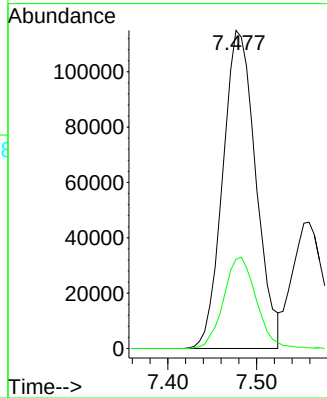
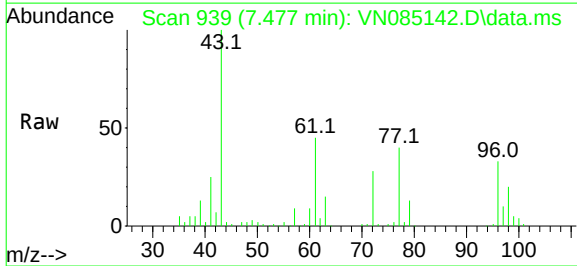
72 28.0 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 46.682 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085142.D

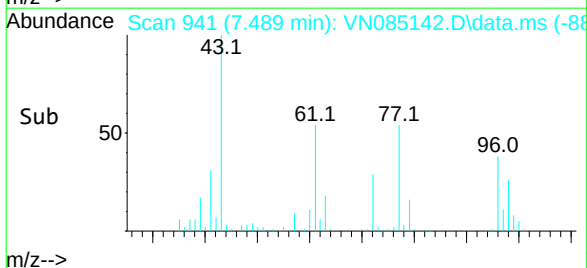
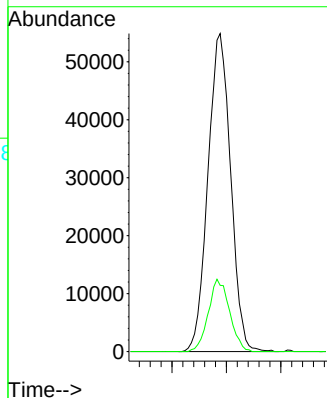
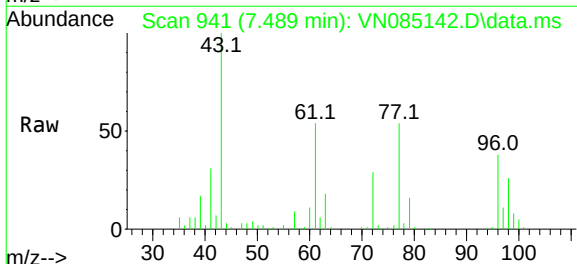
Acq: 09 Dec 2024 10:32

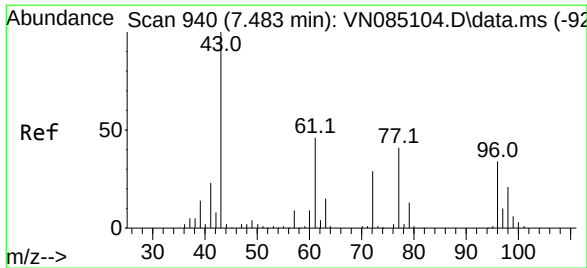
Tgt Ion: 77 Resp: 159044

Ion Ratio Lower Upper

77 100

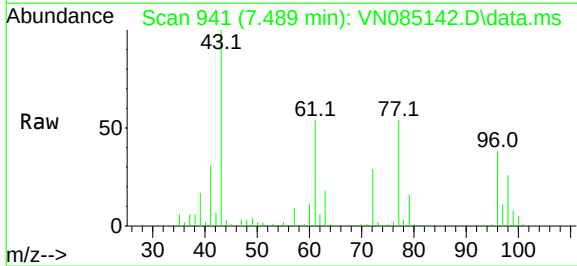
97 21.2 10.9 32.7





#27
cis-1,2-Dichloroethene
Concen: 46.131 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

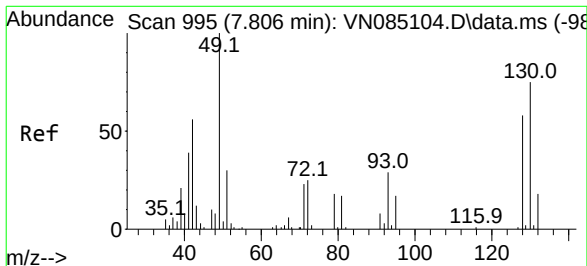
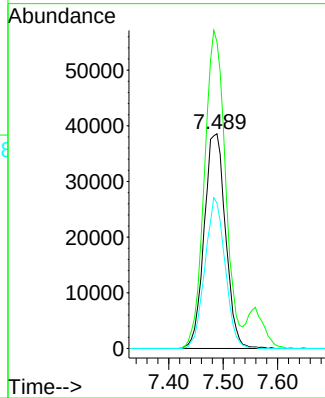
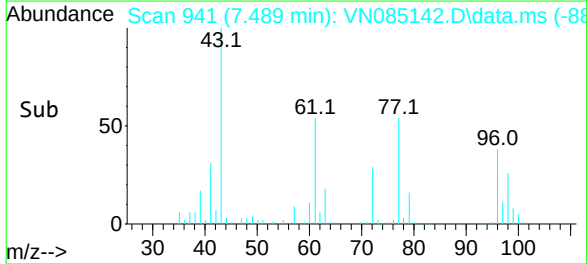
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 105165
Ion Ratio Lower Upper
96 100
61 145.9 0.0 291.6
98 66.4 0.0 129.8

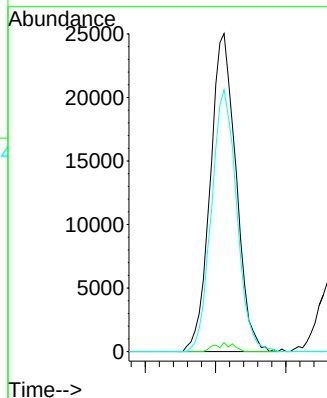
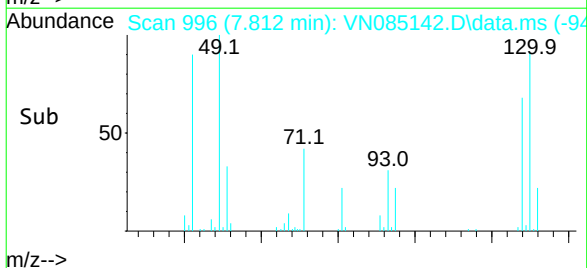
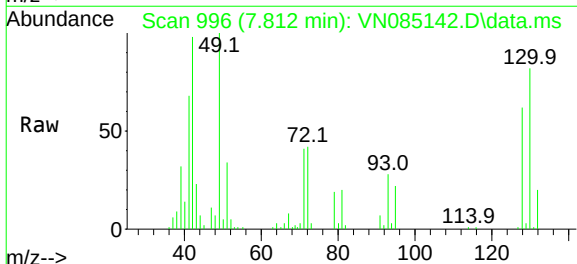
Manual Integrations
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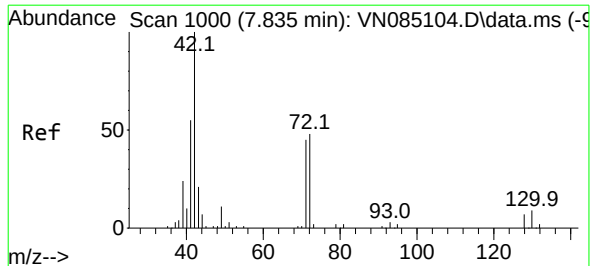
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 46.274 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 49 Resp: 63733
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 80.5 60.6 90.8





#29

Tetrahydrofuran

Concen: 257.747 ug/l

RT: 7.836 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 184053

Ion Ratio Lower Upper

42 100

72 46.9 37.0 55.4

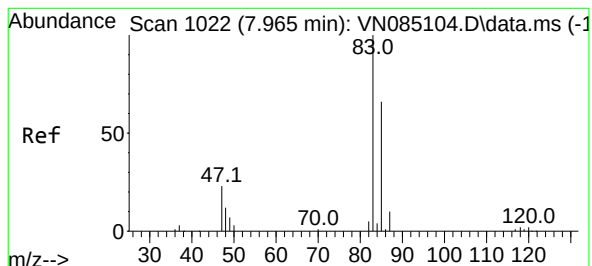
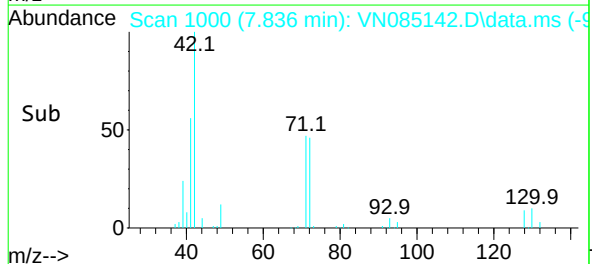
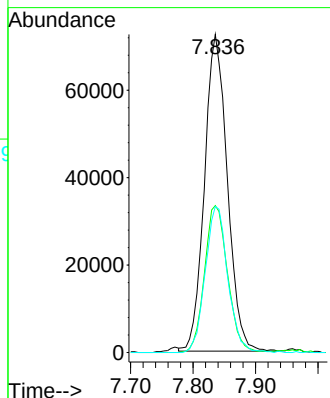
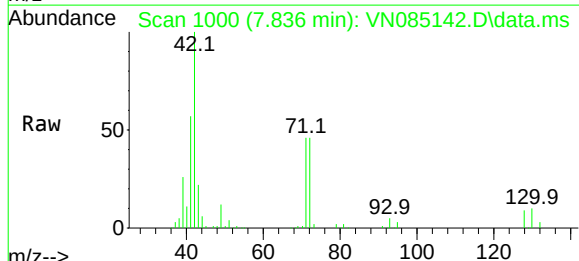
71 45.6 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 47.401 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085142.D

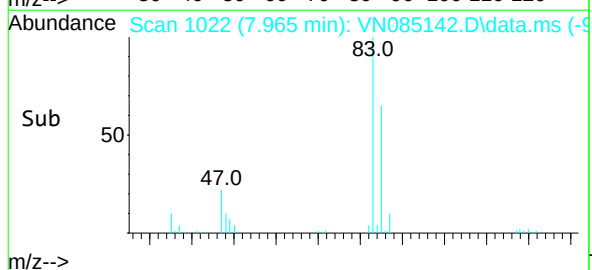
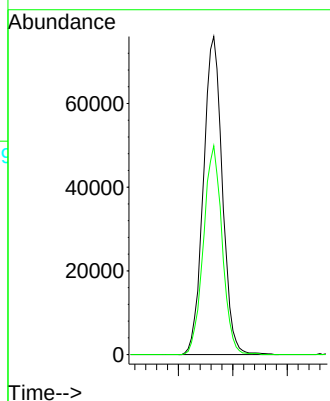
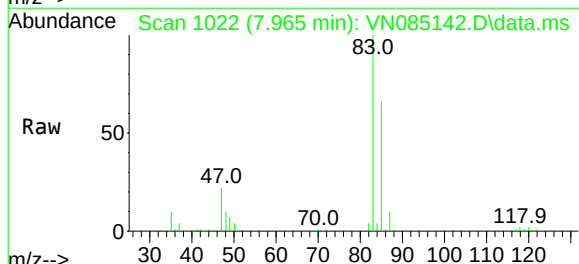
Acq: 09 Dec 2024 10:32

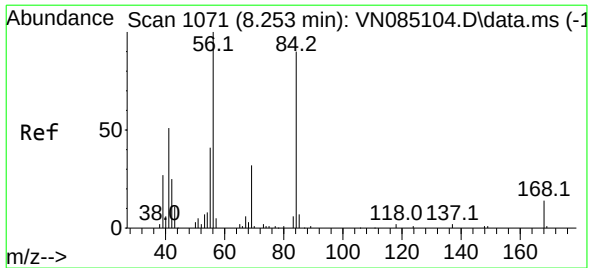
Tgt Ion: 83 Resp: 183970

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8





#31

Cyclohexane

Concen: 43.877 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 140953

Ion Ratio Lower Upper

56 100

69 33.4 24.6 36.8

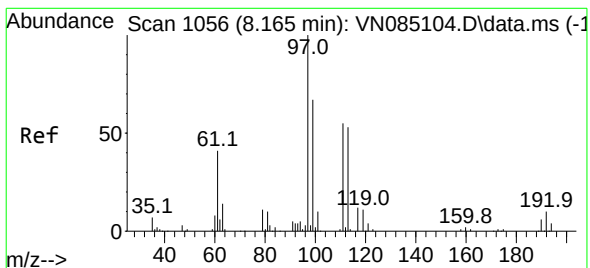
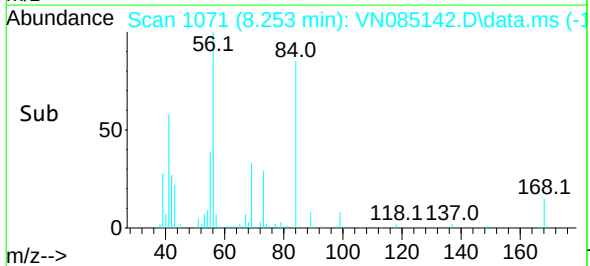
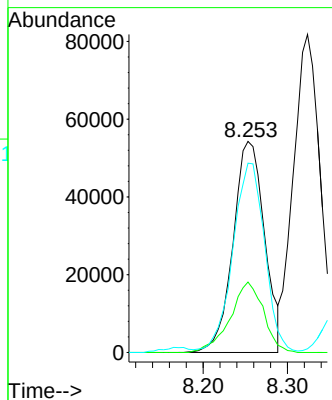
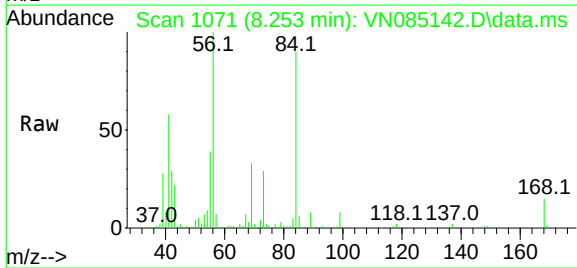
84 87.4 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 47.089 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

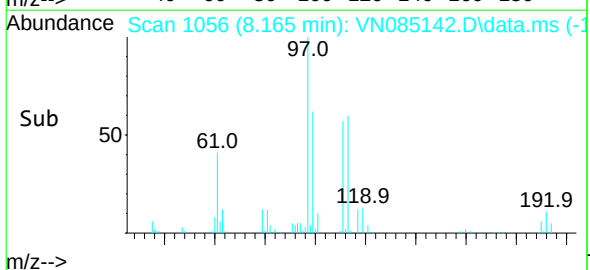
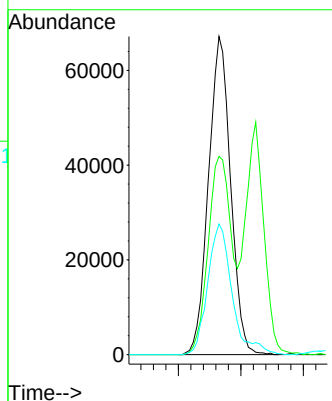
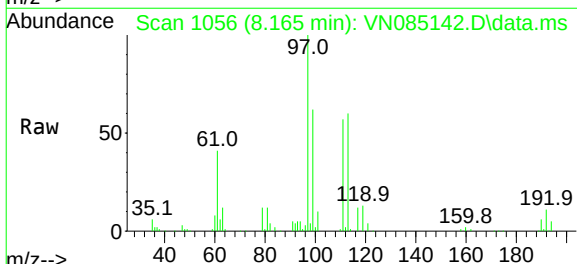
Tgt Ion: 97 Resp: 165151

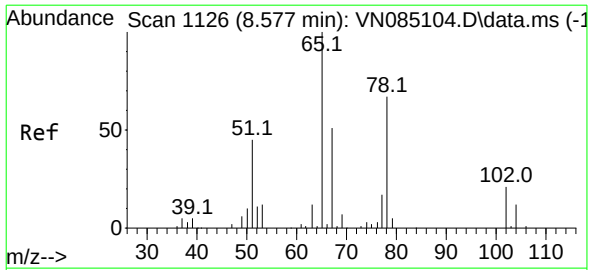
Ion Ratio Lower Upper

97 100

99 65.9 51.0 76.4

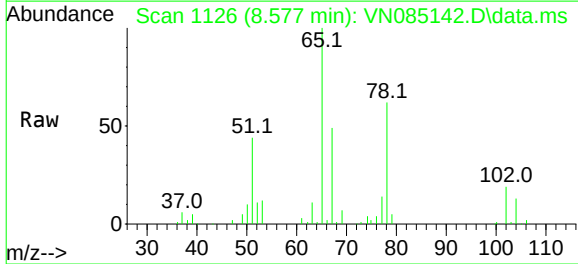
61 45.1 36.2 54.2





#33
1,2-Dichloroethane-d4
Concen: 47.569 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

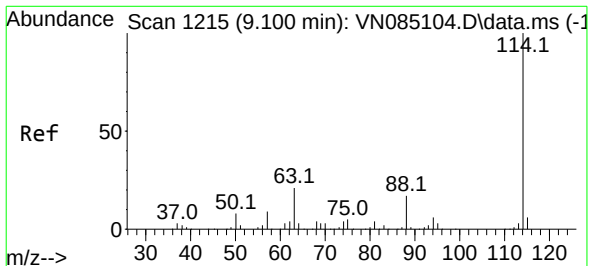
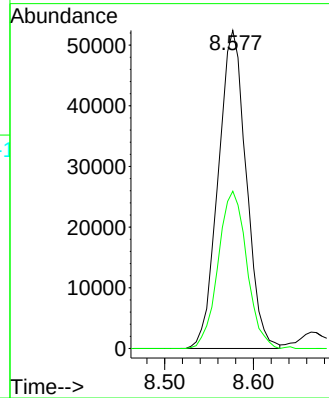
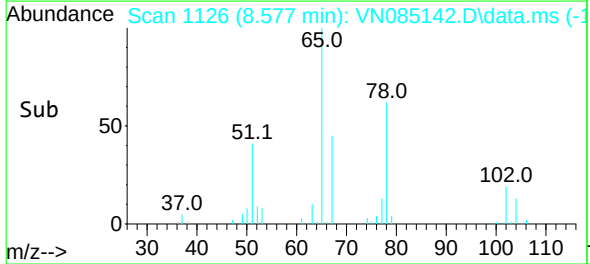
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



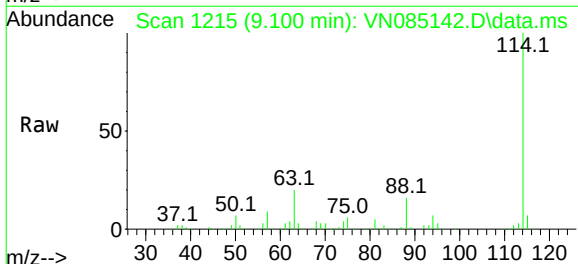
Tgt Ion: 65 Resp: 114719
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0

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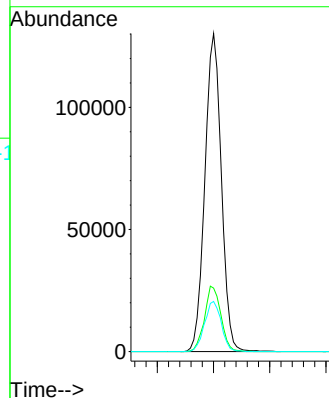
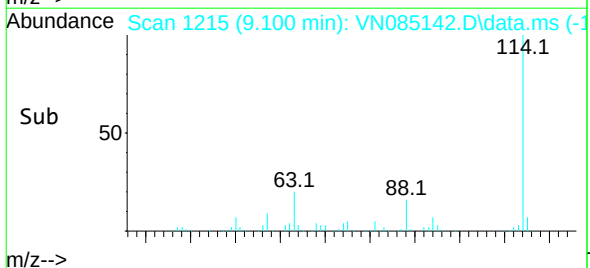
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

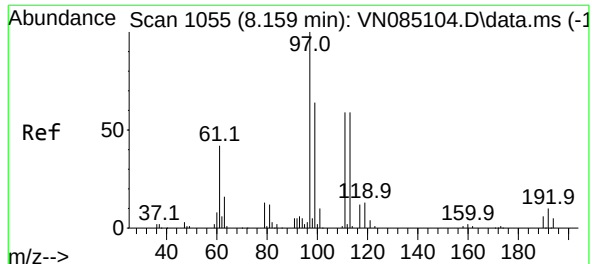


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32



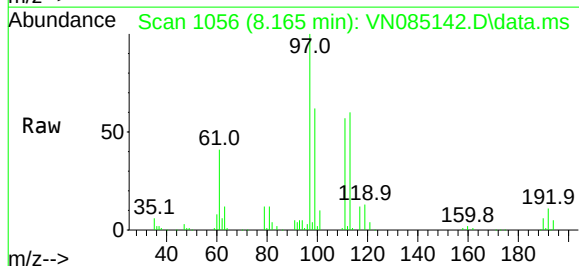
Tgt Ion:114 Resp: 265126
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.0
88 15.8 0.0 34.8





#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 8.165 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

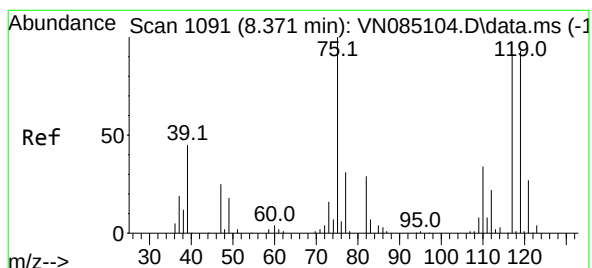
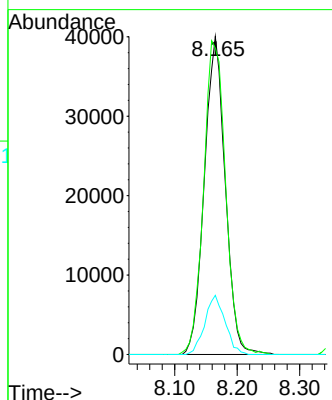
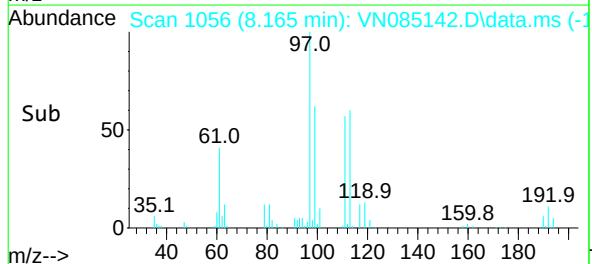
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 113 Resp: 92766
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 18.1 14.8 22.2

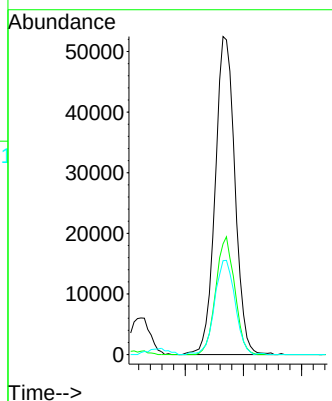
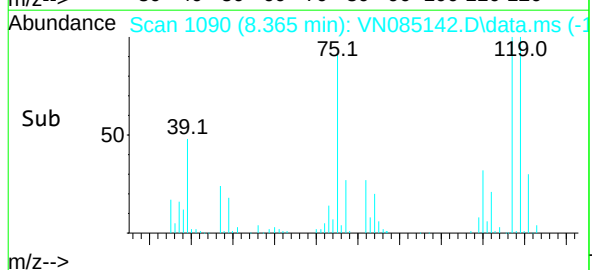
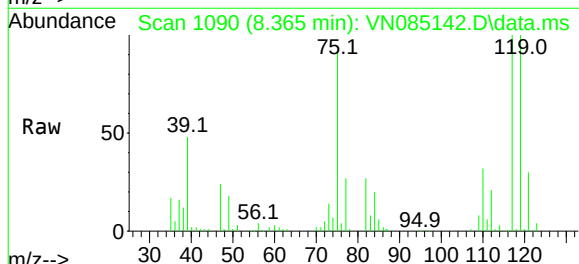
Manual Integrations
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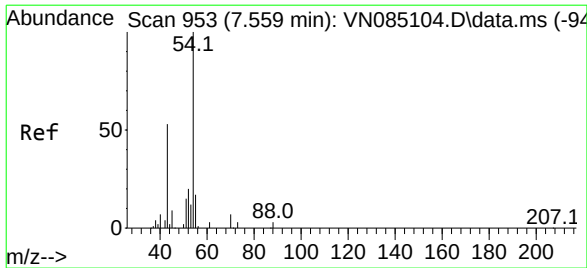
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#36
1,1-Dichloropropene
Concen: 51.043 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 123613
Ion Ratio Lower Upper
75 100
110 35.5 17.2 51.6
77 30.7 24.2 36.4





#37

Ethyl Acetate

Concen: 52.778 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 116196

Ion Ratio Lower Upper

43 100

61 13.6 11.7 17.5

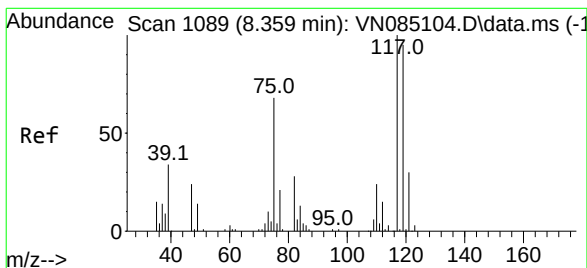
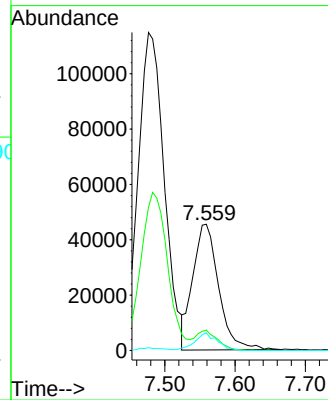
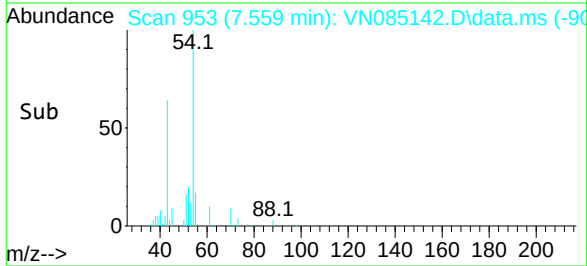
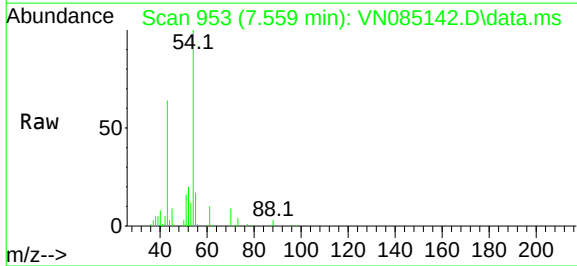
70 12.2 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 53.041 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

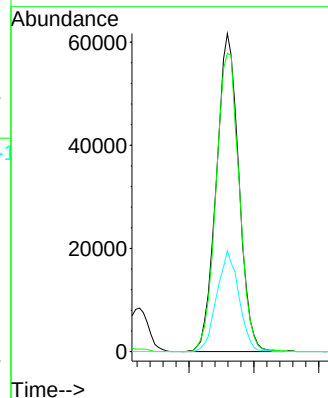
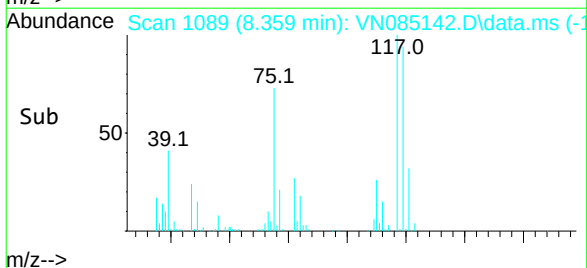
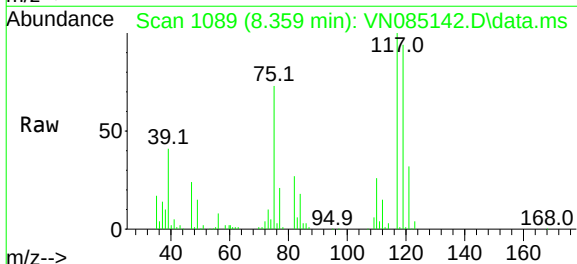
Tgt Ion:117 Resp: 148269

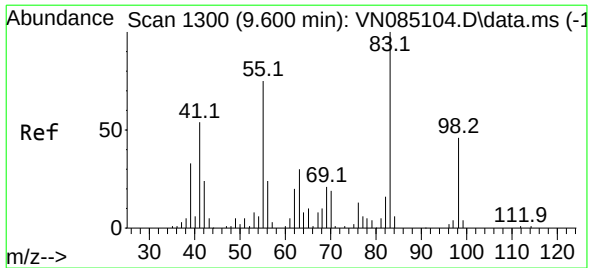
Ion Ratio Lower Upper

117 100

119 93.8 78.6 117.8

121 31.7 24.2 36.2





#39

Methylcyclohexane

Concen: 52.424 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 131927

Ion Ratio Lower Upper

83 100

55 76.8 61.8 92.6

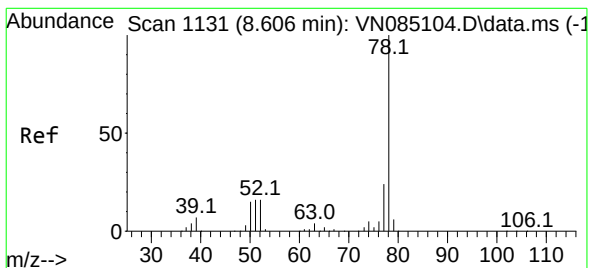
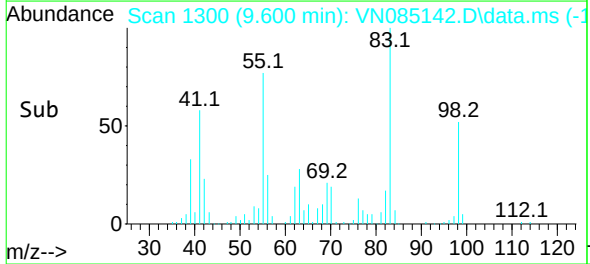
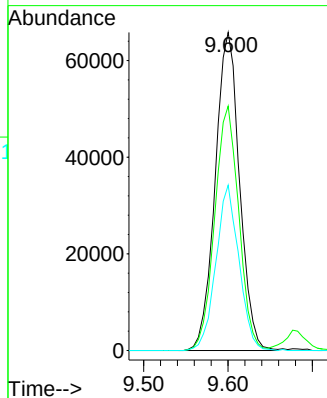
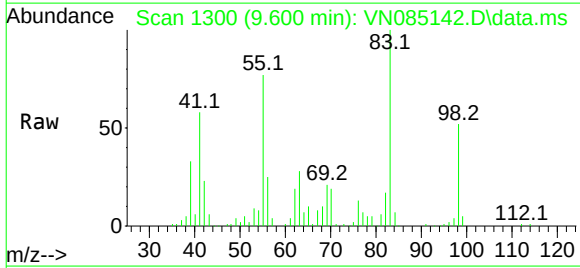
98 52.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 50.434 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085142.D

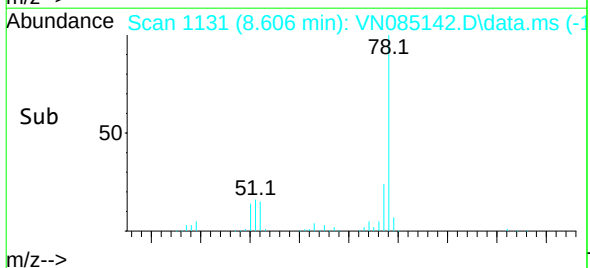
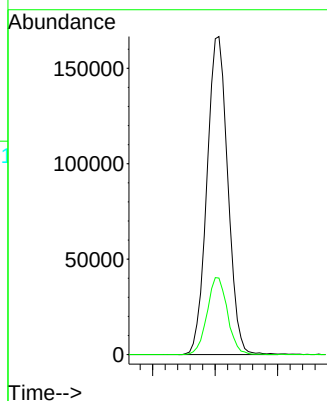
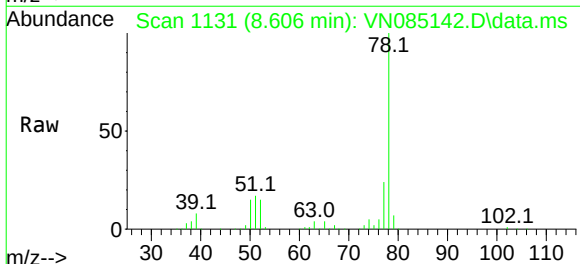
Acq: 09 Dec 2024 10:32

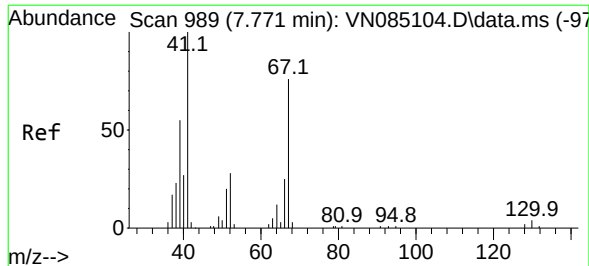
Tgt Ion: 78 Resp: 386295

Ion Ratio Lower Upper

78 100

77 24.1 18.5 27.7





#41

Methacrylonitrile

Concen: 51.058 ug/l

RT: 7.771 min Scan# 989

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 62238

Ion Ratio Lower Upper

41 100

39 54.3 42.6 63.8

67 79.1 59.9 89.9

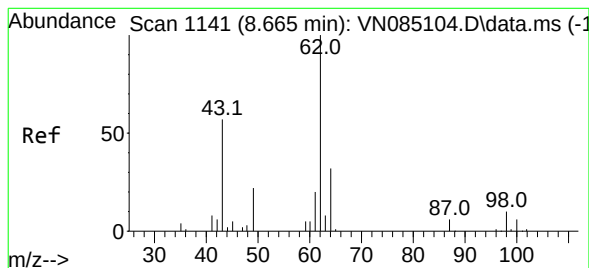
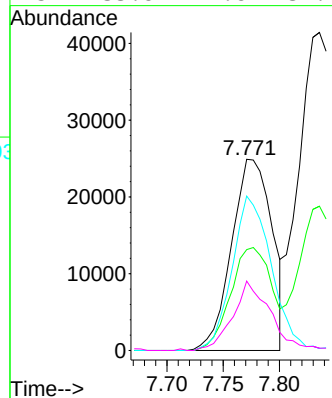
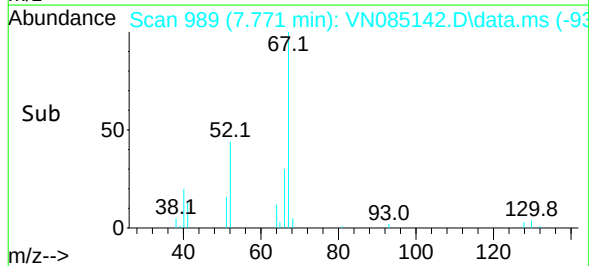
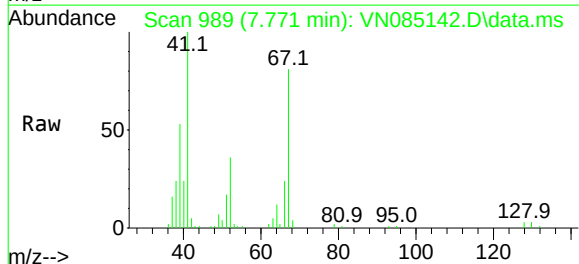
52 33.8 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 50.412 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085142.D

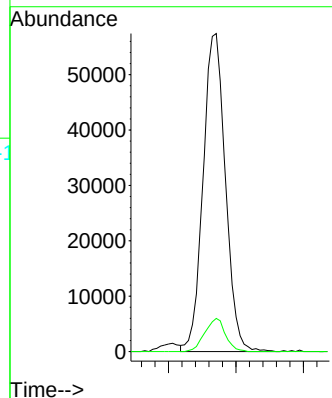
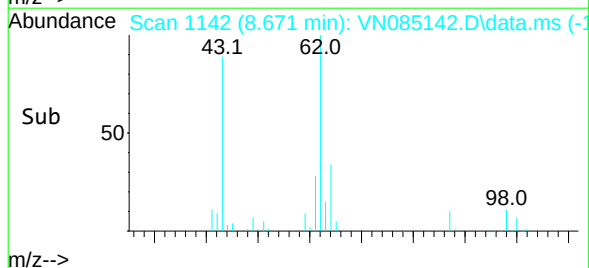
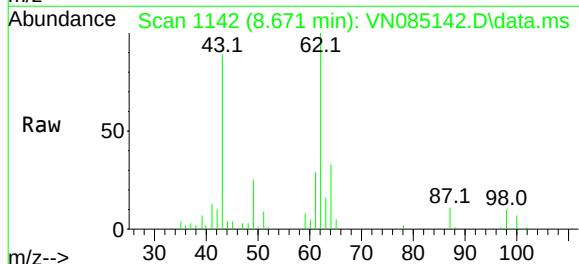
Acq: 09 Dec 2024 10:32

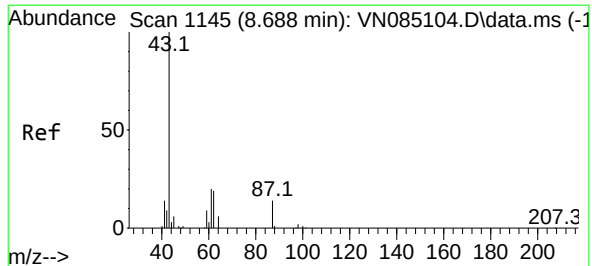
Tgt Ion: 62 Resp: 132099

Ion Ratio Lower Upper

62 100

98 9.6 0.0 18.2





#43

Isopropyl Acetate

Concen: 43.006 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085142.D

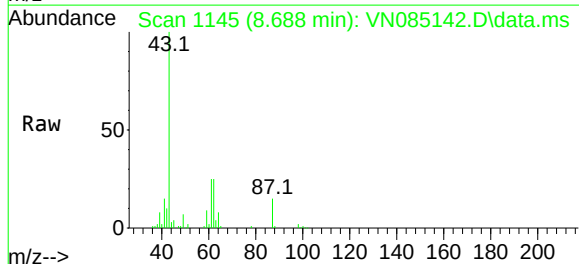
Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 43 Resp: 196670

Ion Ratio Lower Upper

43 100

61 27.6 20.6 30.8

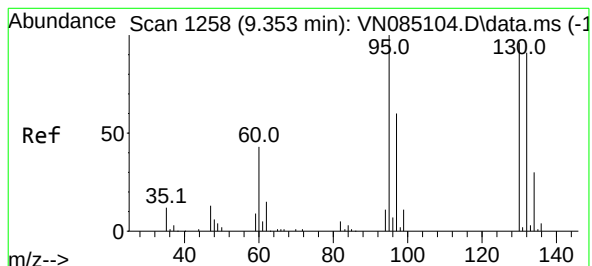
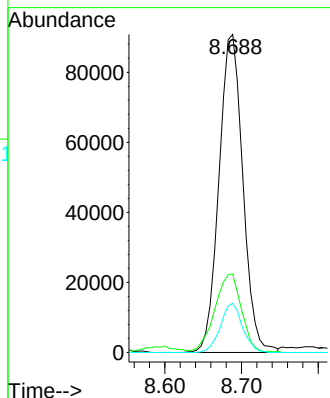
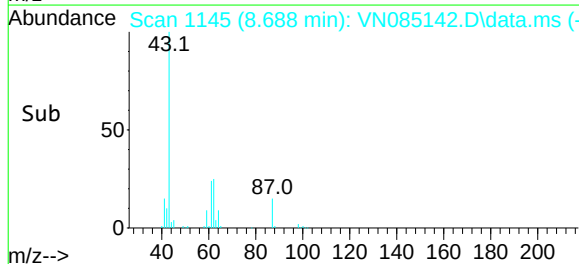
87 14.2 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 51.660 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085142.D

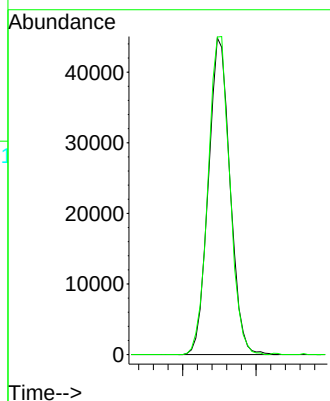
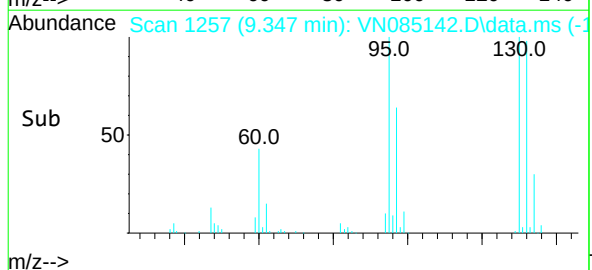
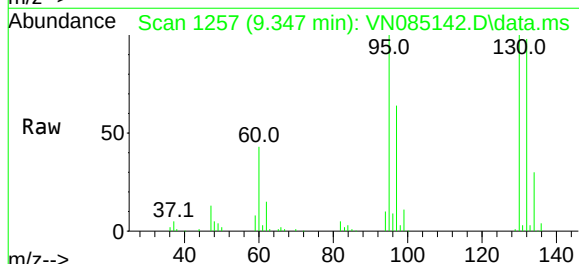
Acq: 09 Dec 2024 10:32

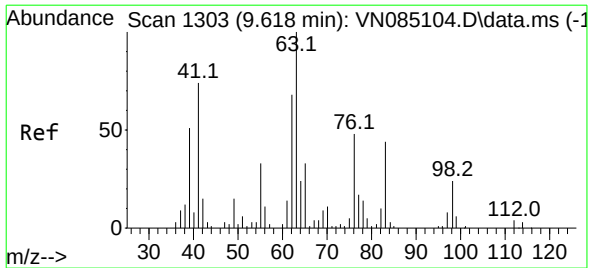
Tgt Ion:130 Resp: 91956

Ion Ratio Lower Upper

130 100

95 100.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 49.272 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 92953

Ion Ratio Lower Upper

63 100

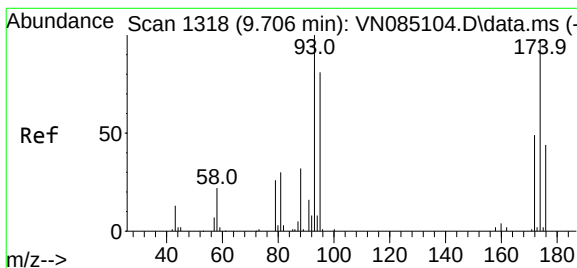
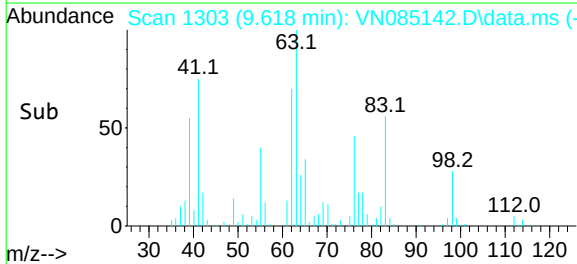
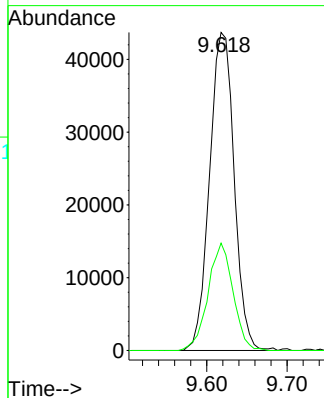
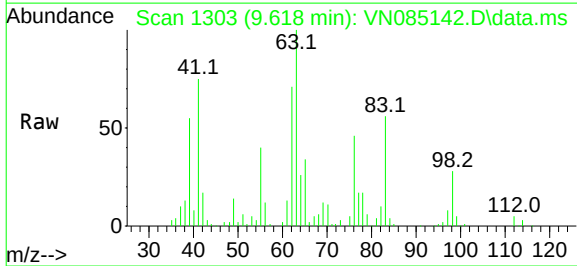
65 33.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 51.870 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

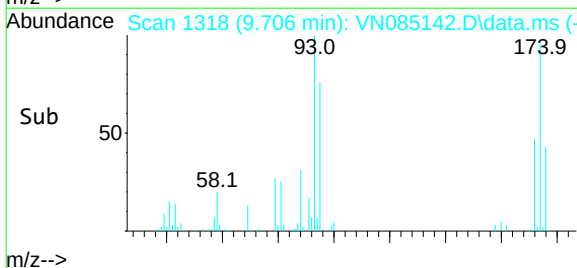
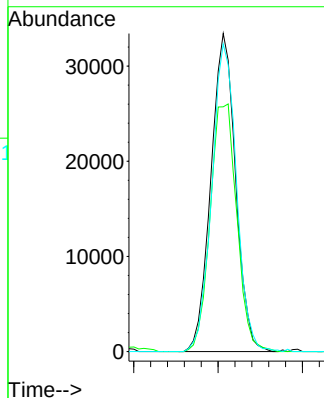
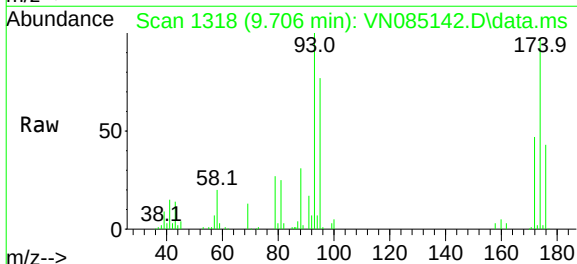
Tgt Ion: 93 Resp: 67996

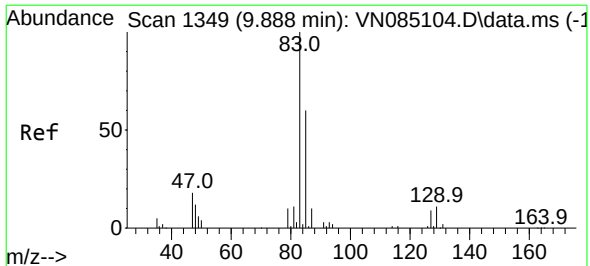
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 96.4 74.9 112.3





#47

Bromodichloromethane

Concen: 52.456 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 145741

Ion Ratio Lower Upper

83 100

85 65.2 50.5 75.7

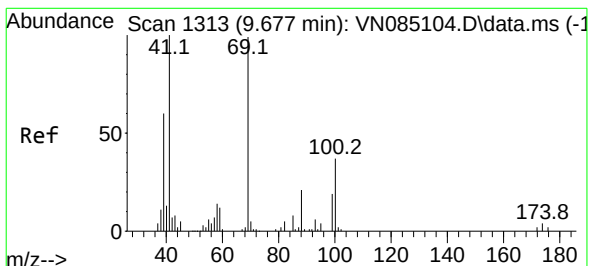
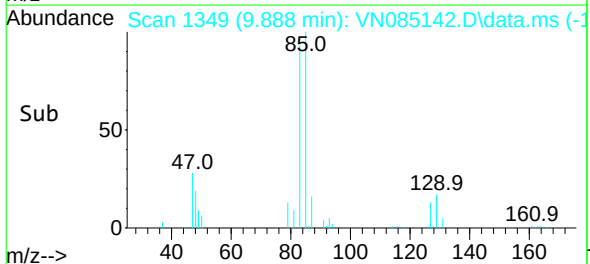
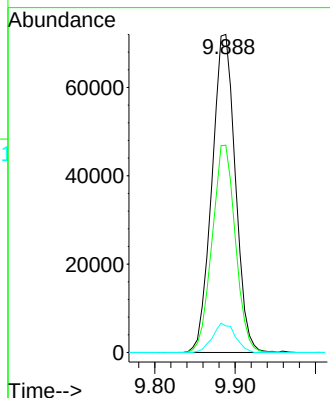
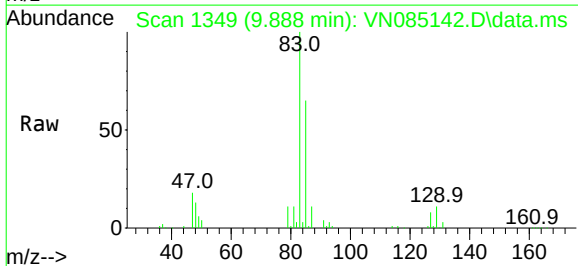
127 8.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#48

Methyl methacrylate

Concen: 53.750 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

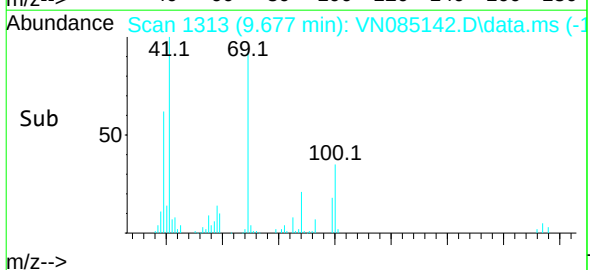
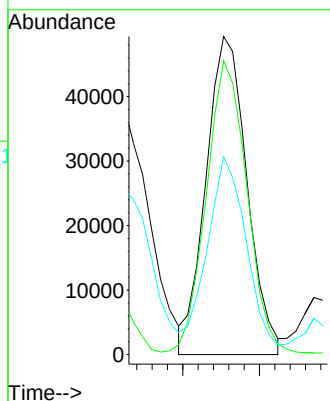
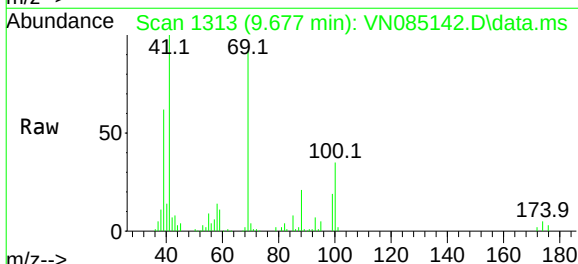
Tgt Ion: 41 Resp: 91470

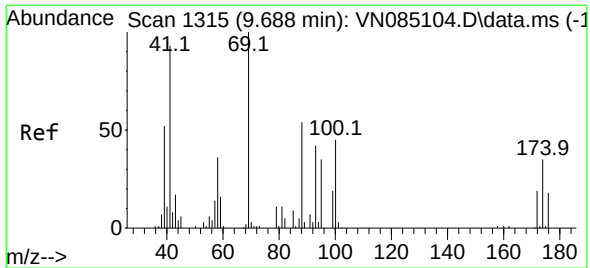
Ion Ratio Lower Upper

41 100

69 92.6 73.2 109.8

39 60.3 46.2 69.4





#49

1,4-Dioxane

Concen: 1260.284 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085142.D

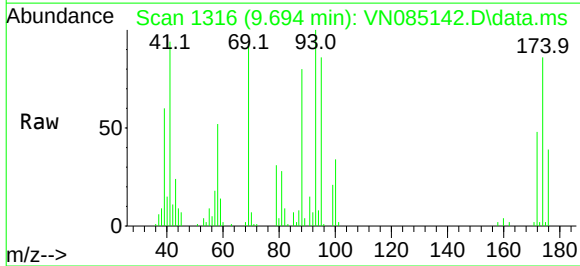
Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 88 Resp: 37193

Ion Ratio Lower Upper

88 100

43 32.2 16.7 25.1

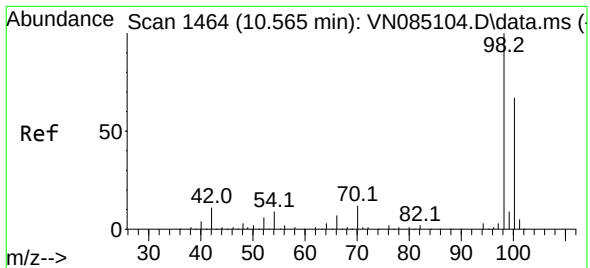
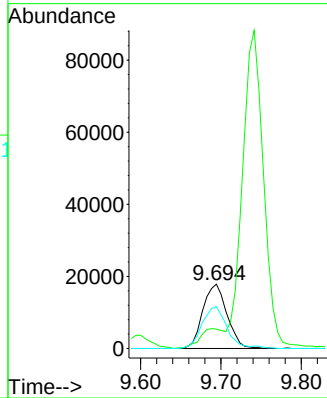
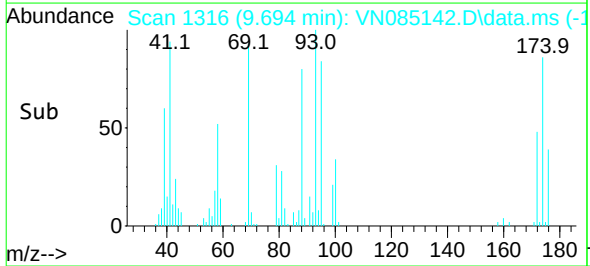
58 67.9 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 50.960 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085142.D

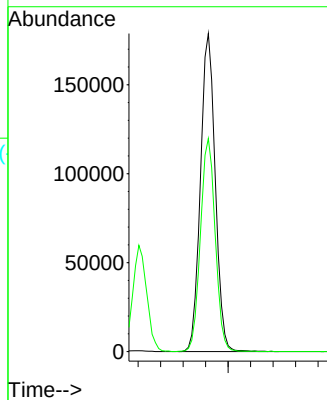
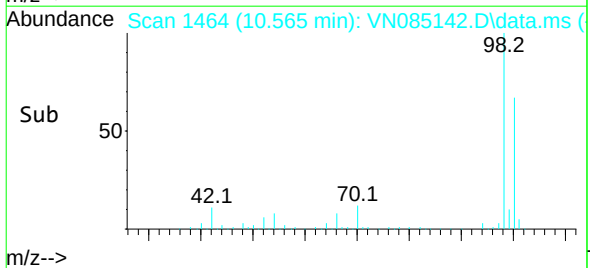
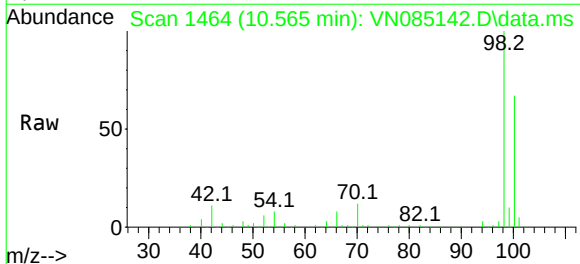
Acq: 09 Dec 2024 10:32

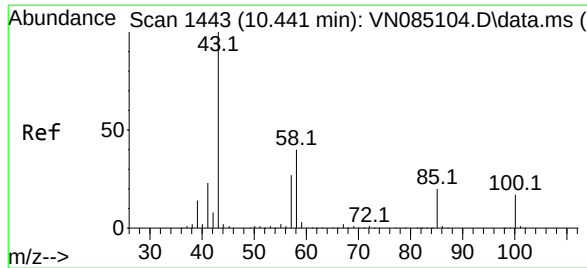
Tgt Ion: 98 Resp: 326526

Ion Ratio Lower Upper

98 100

100 67.1 52.5 78.7





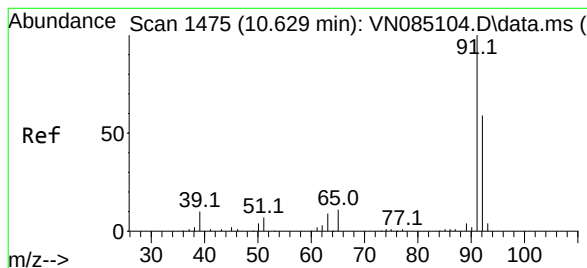
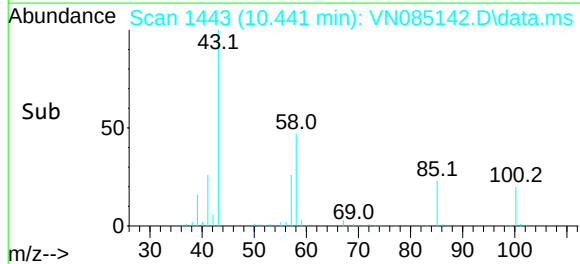
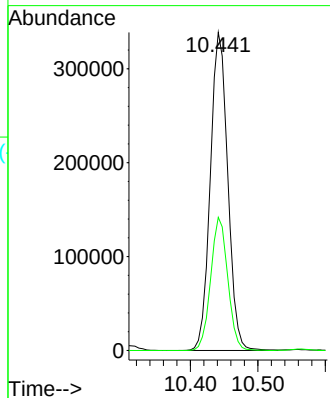
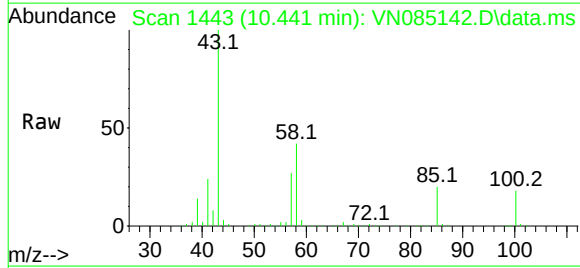
#51
4-Methyl-2-Pentanone
Concen: 291.377 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 608624
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1

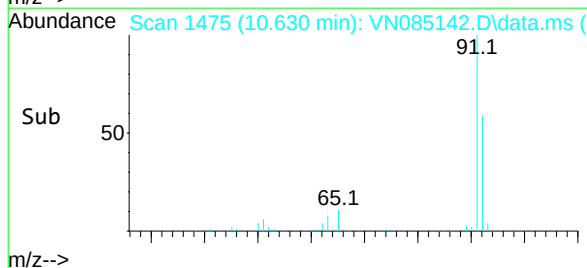
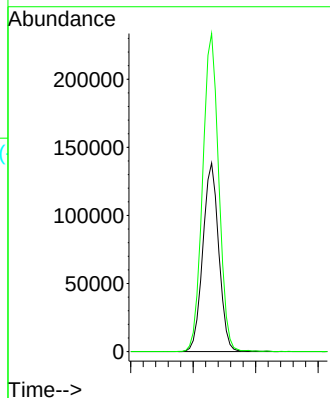
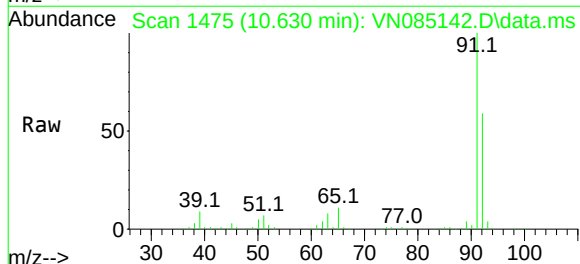
Manual Integrations
APPROVED

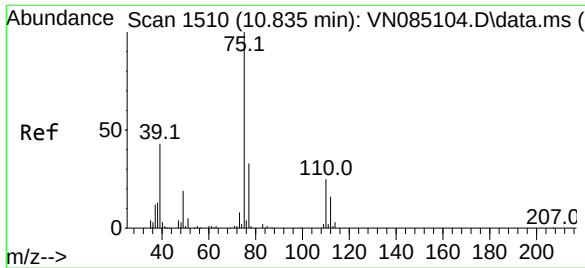
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 54.081 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

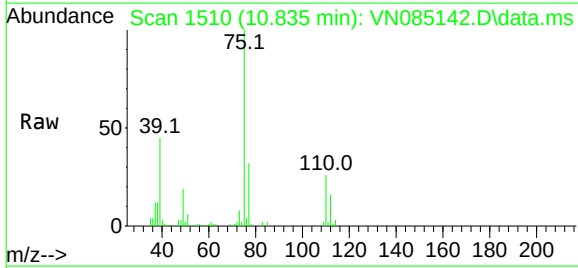
Tgt Ion: 92 Resp: 245225
Ion Ratio Lower Upper
92 100
91 170.5 136.7 205.1





#53
t-1,3-Dichloropropene
Concen: 51.589 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

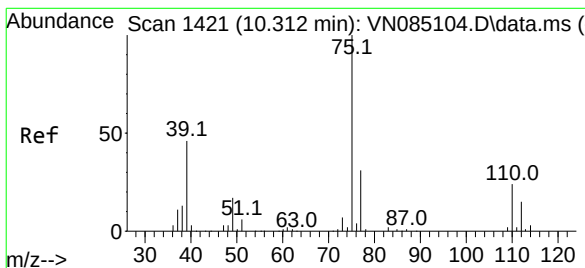
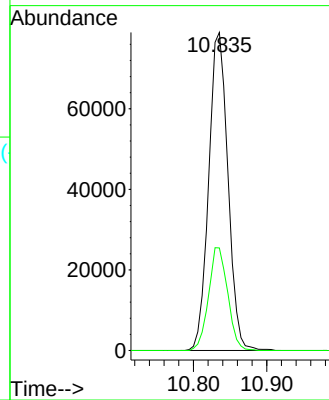
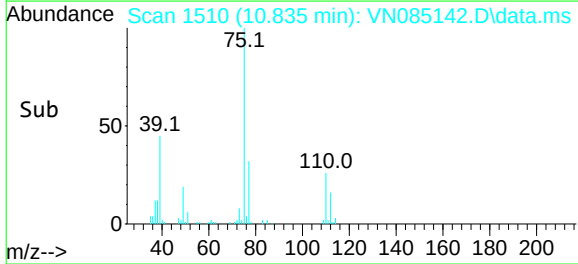
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 143697
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4

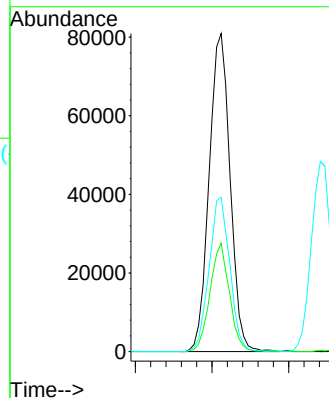
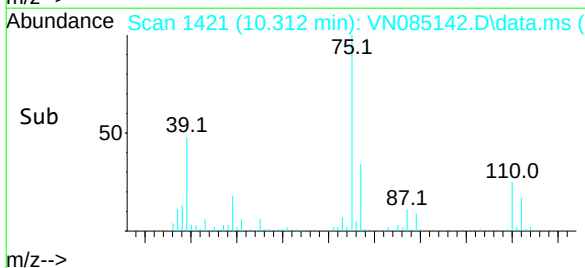
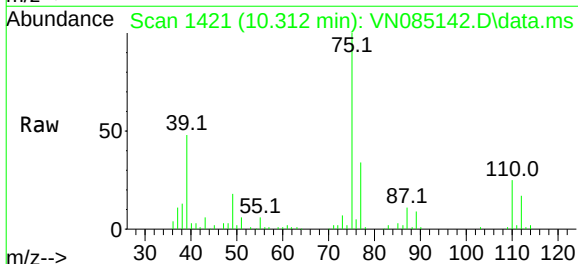
Manual Integrations
APPROVED

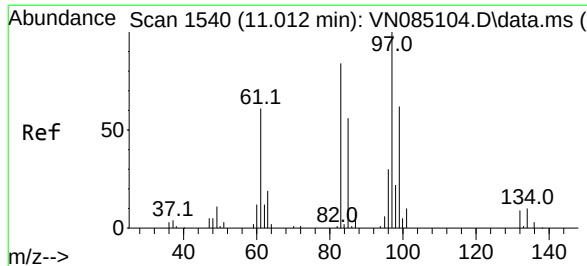
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#54
cis-1,3-Dichloropropene
Concen: 51.984 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

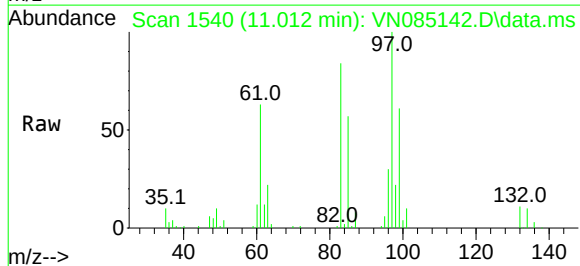
Tgt Ion: 75 Resp: 153615
Ion Ratio Lower Upper
75 100
77 34.0 25.0 37.4
39 48.4 37.6 56.4





#55
1,1,2-Trichloroethane
Concen: 54.241 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

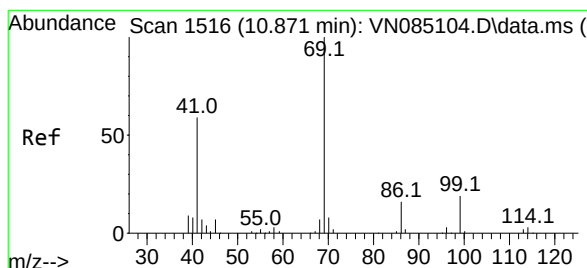
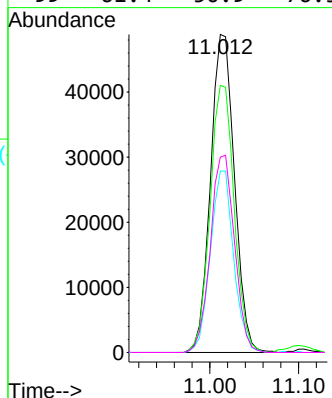
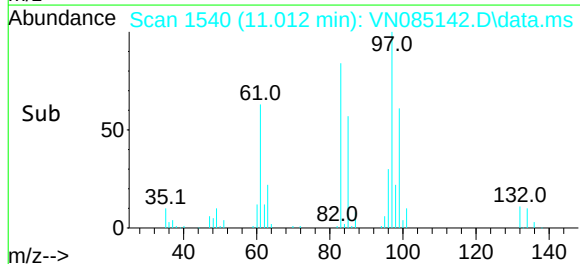
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 91610
Ion Ratio Lower Upper
97 100
83 84.0 67.4 101.2
85 57.0 43.1 64.7
99 61.4 50.9 76.3

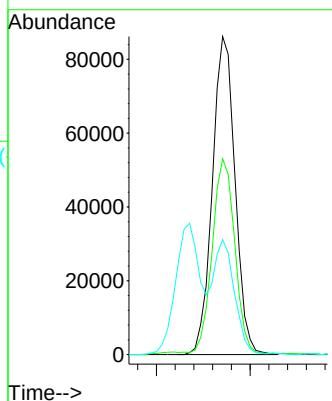
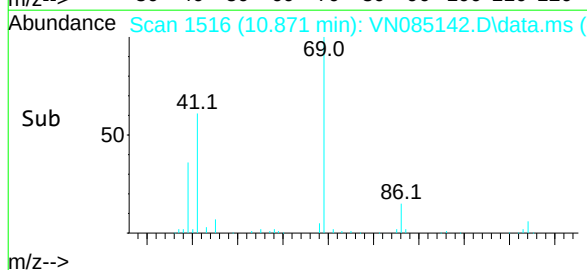
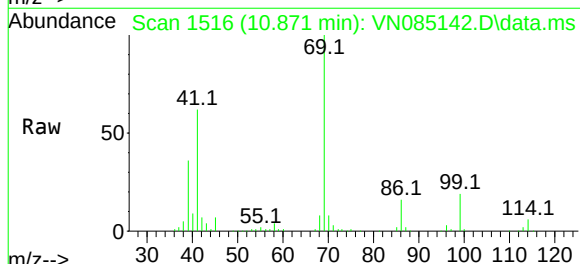
Manual Integrations
APPROVED

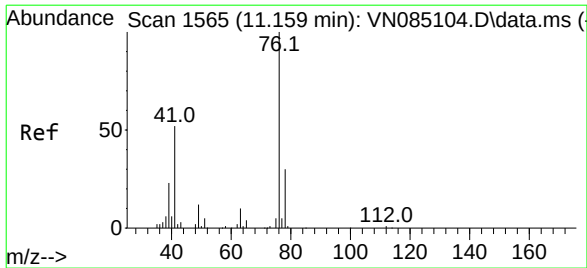
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#56
Ethyl methacrylate
Concen: 58.759 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 69 Resp: 145017
Ion Ratio Lower Upper
69 100
41 60.6 50.0 75.0
39 33.6 27.0 40.6





#57

1,3-Dichloropropane

Concen: 52.074 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 154792

Ion Ratio Lower Upper

76 100

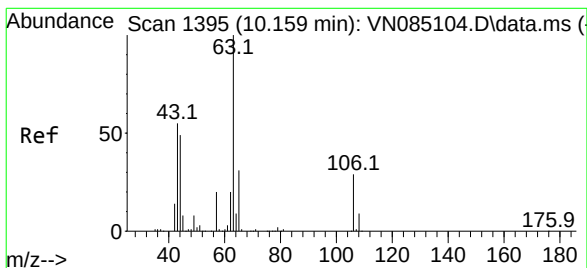
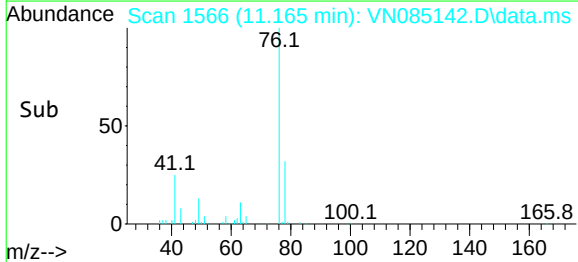
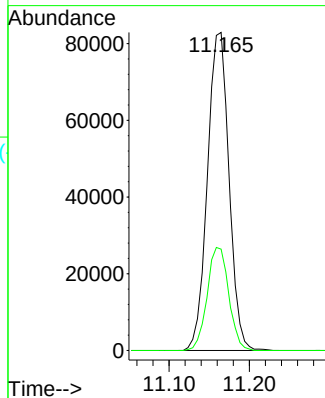
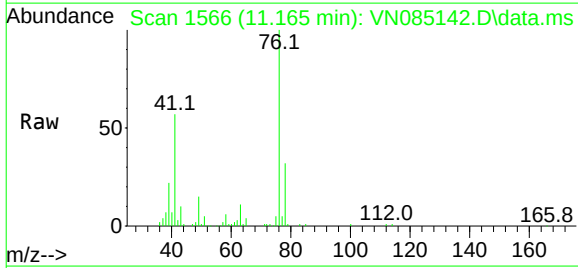
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#58

2-Chloroethyl Vinyl ether

Concen: 258.243 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085142.D

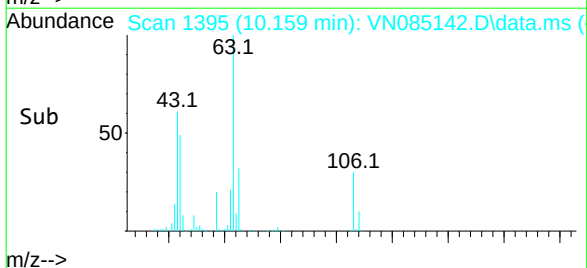
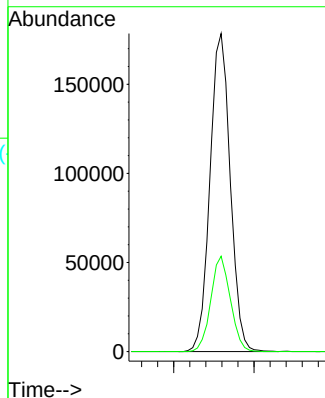
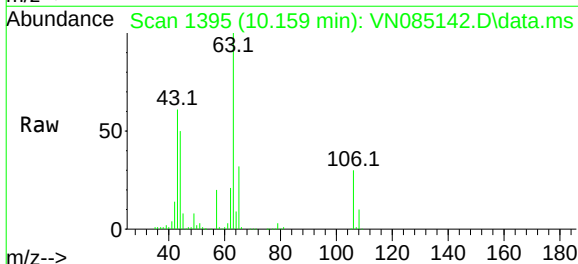
Acq: 09 Dec 2024 10:32

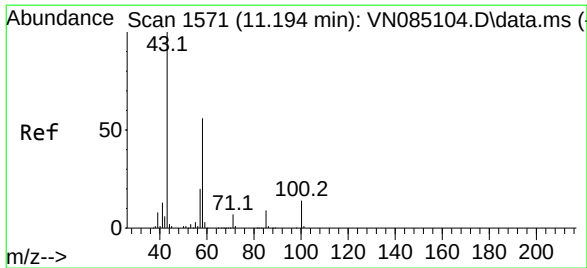
Tgt Ion: 63 Resp: 312633

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6





#59

2-Hexanone

Concen: 299.229 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 467460

Ion Ratio Lower Upper

43 100

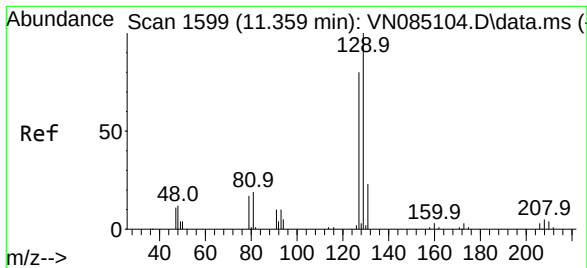
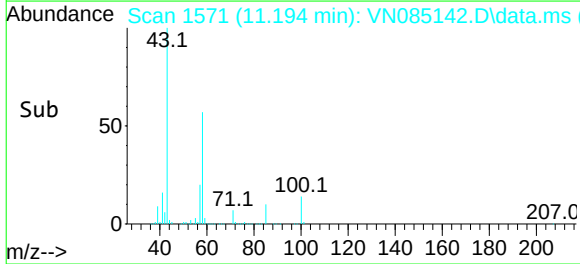
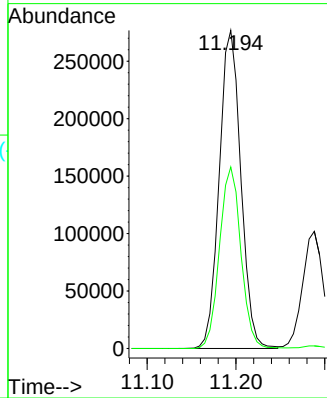
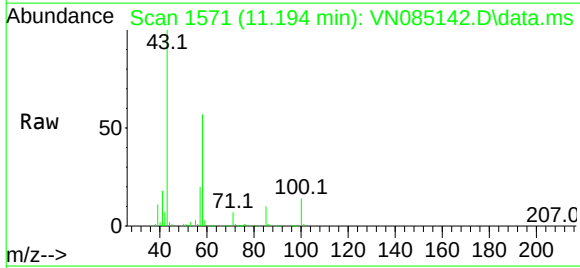
58 56.5 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 55.238 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085142.D

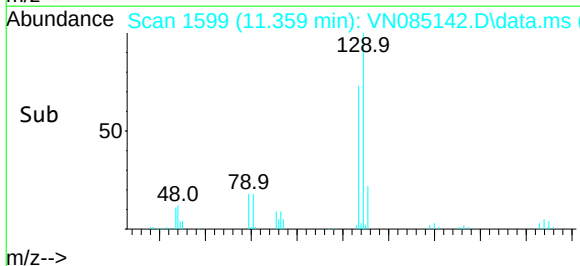
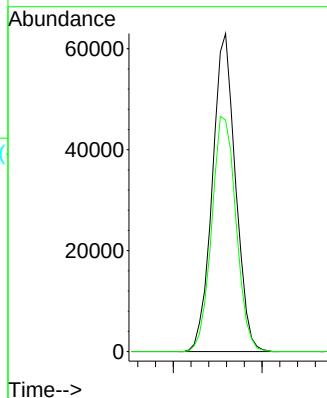
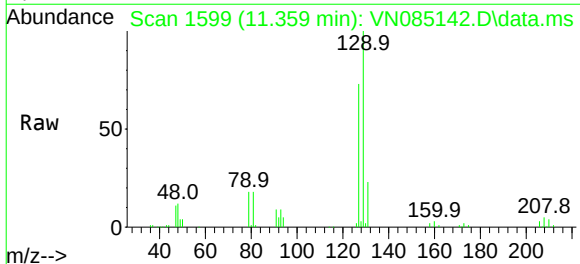
Acq: 09 Dec 2024 10:32

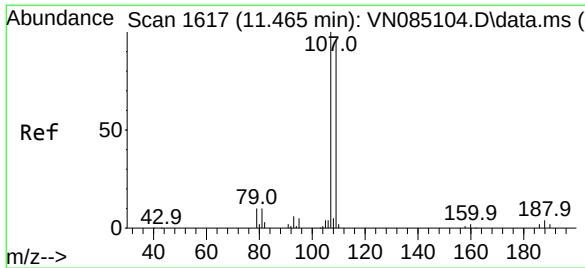
Tgt Ion:129 Resp: 114019

Ion Ratio Lower Upper

129 100

127 77.6 39.2 117.6





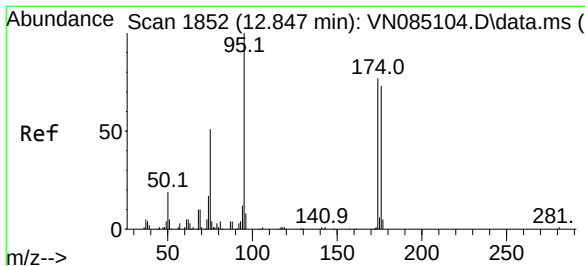
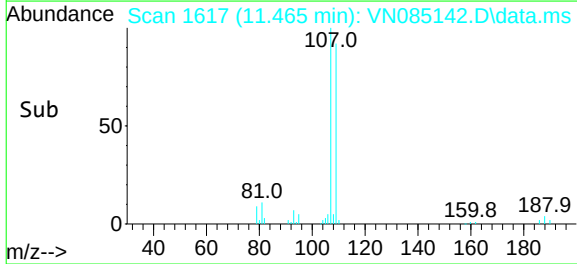
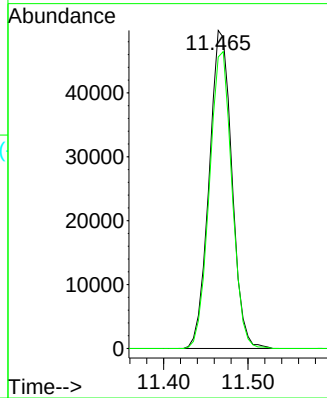
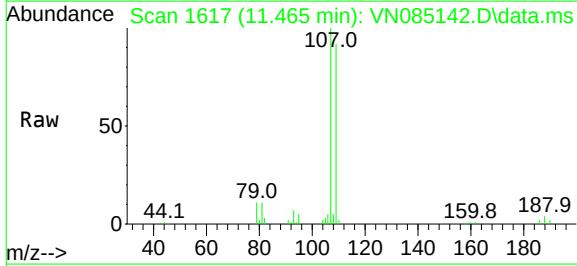
#61
1,2-Dibromoethane
Concen: 53.317 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 93195
Ion Ratio Lower Upper
107 100
109 92.3 76.1 114.1

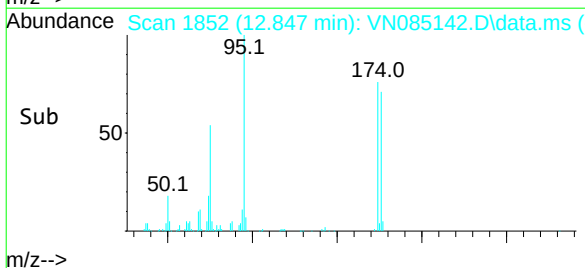
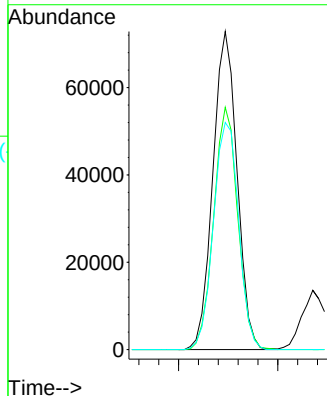
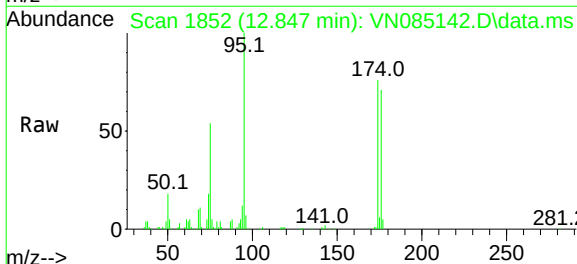
Manual Integrations
APPROVED

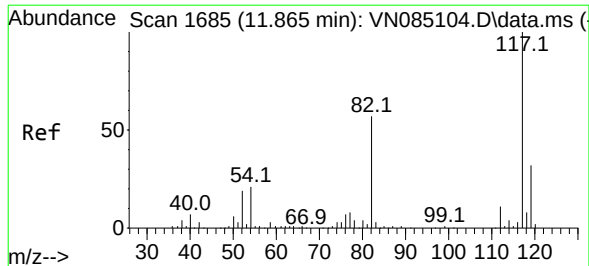
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 51.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 95 Resp: 123192
Ion Ratio Lower Upper
95 100
174 76.0 0.0 146.6
176 74.5 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 235660

Ion Ratio Lower Upper

117 100

82 57.1 46.0 69.0

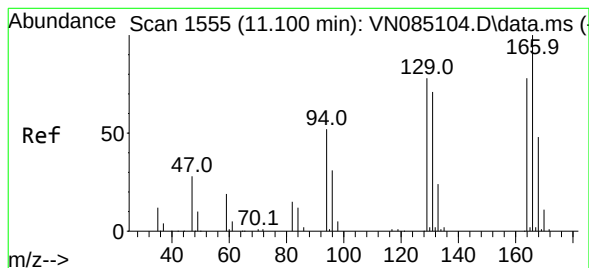
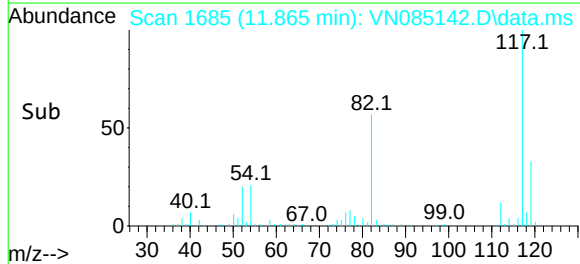
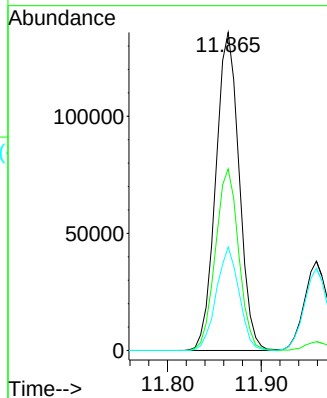
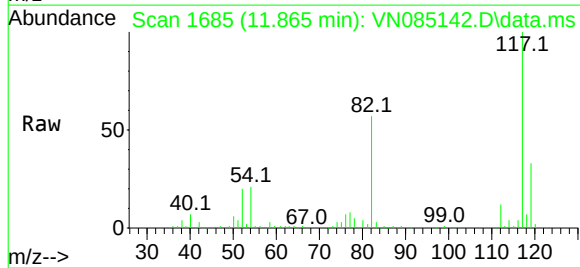
119 32.6 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 52.620 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:164 Resp: 83557

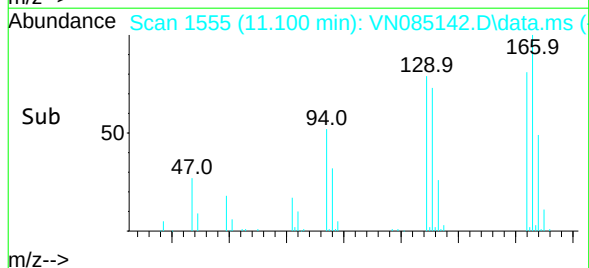
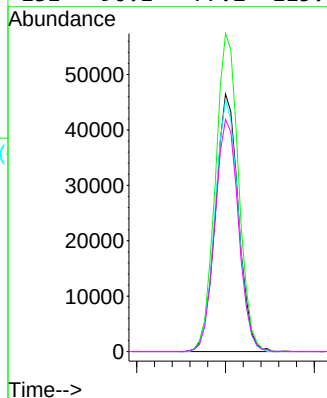
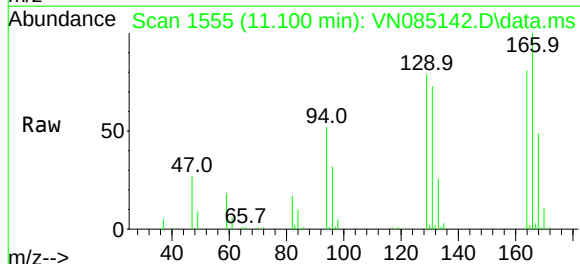
Ion Ratio Lower Upper

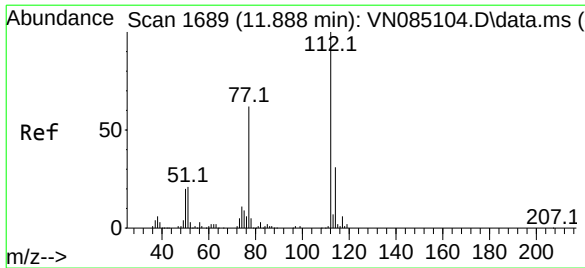
164 100

166 123.5 100.6 151.0

129 97.8 77.7 116.5

131 90.1 77.2 115.8





#65

Chlorobenzene

Concen: 49.550 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 264819

Ion Ratio Lower Upper

112 100

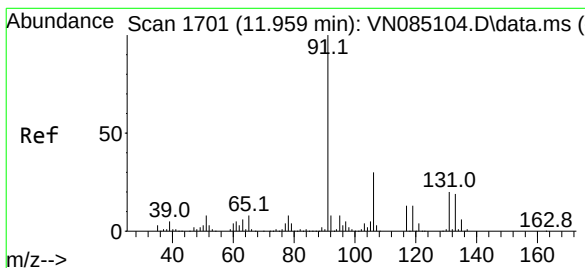
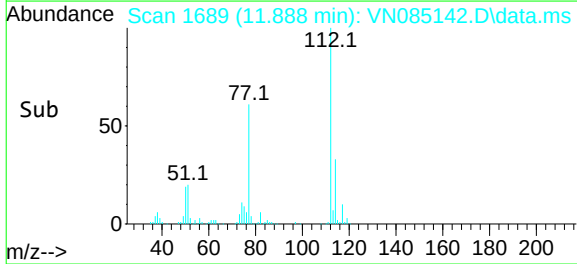
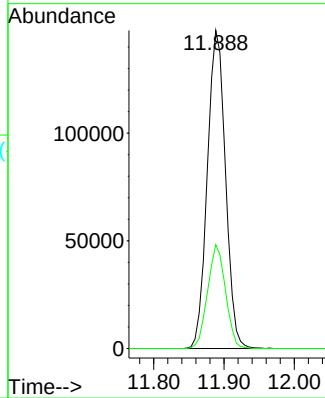
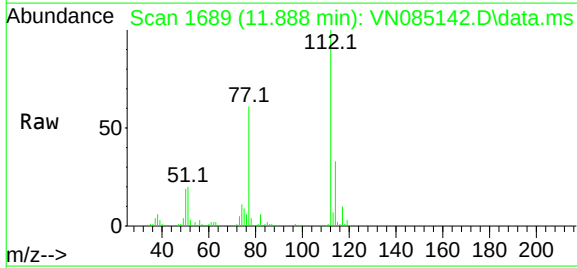
114 32.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 51.493 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

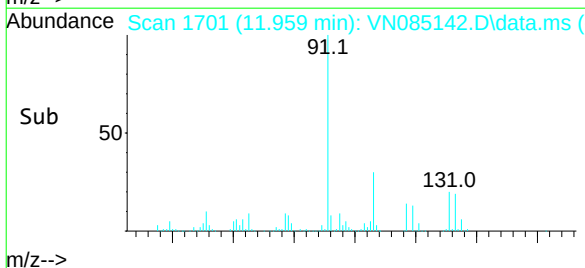
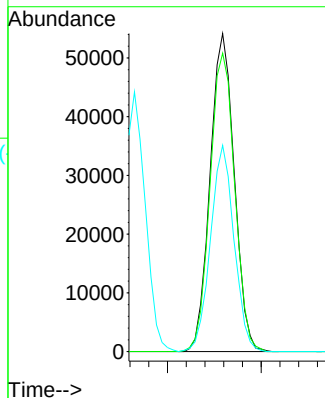
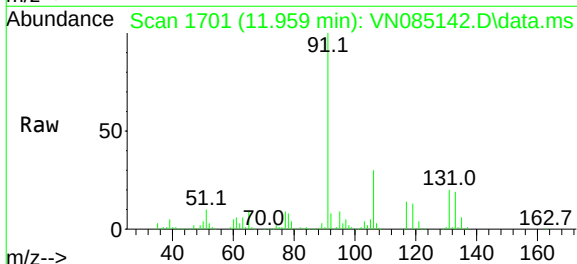
Tgt Ion:131 Resp: 96896

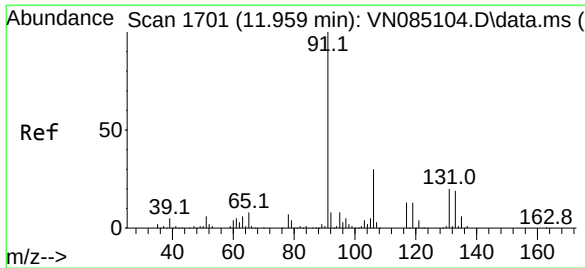
Ion Ratio Lower Upper

131 100

133 95.9 47.8 143.4

119 63.3 32.1 96.3





#67

Ethyl Benzene

Concen: 53.779 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 466309

Ion Ratio Lower Upper

91 100

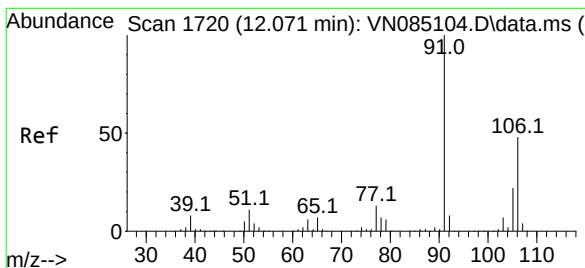
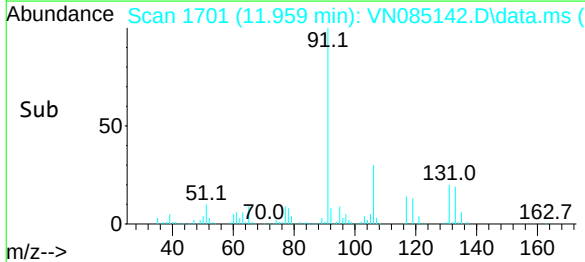
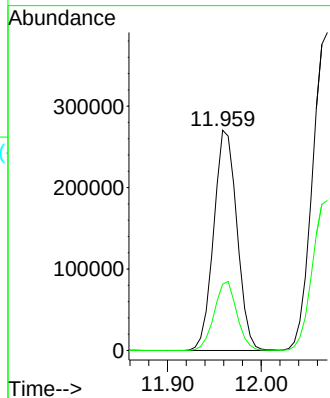
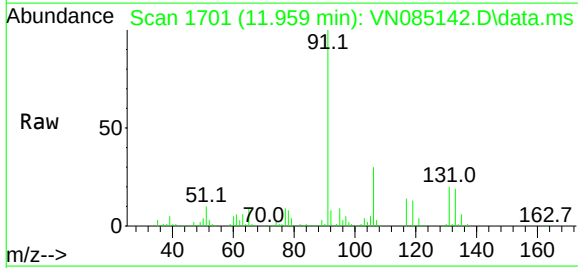
106 30.1 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 109.841 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085142.D

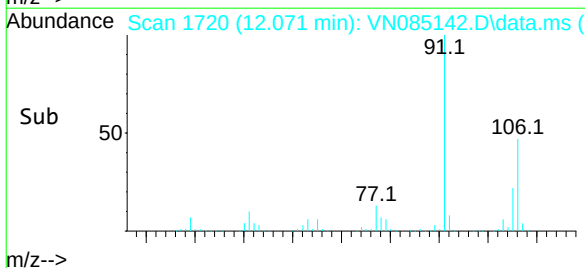
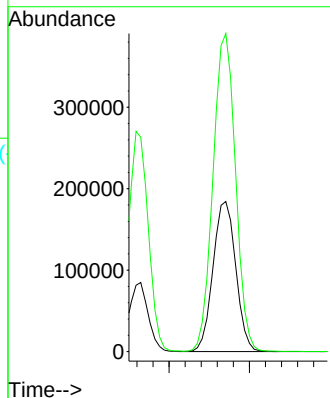
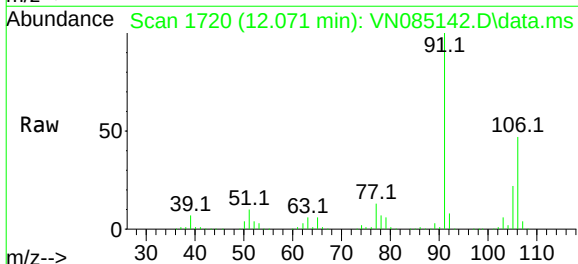
Acq: 09 Dec 2024 10:32

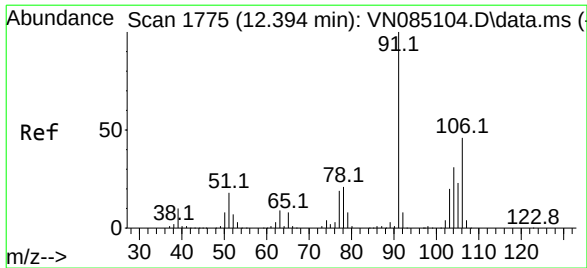
Tgt Ion:106 Resp: 362598

Ion Ratio Lower Upper

106 100

91 209.6 168.0 252.0





#69

o-Xylene

Concen: 53.945 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 169397

Ion Ratio Lower Upper

106 100

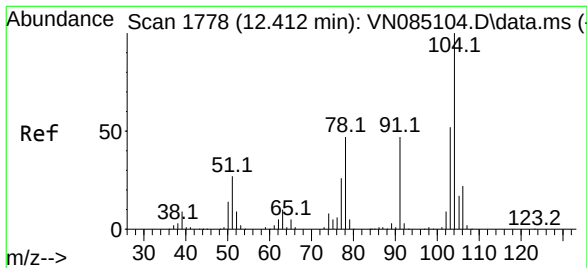
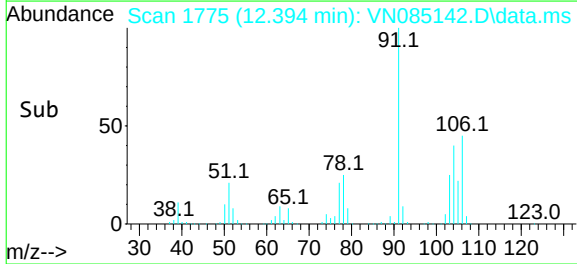
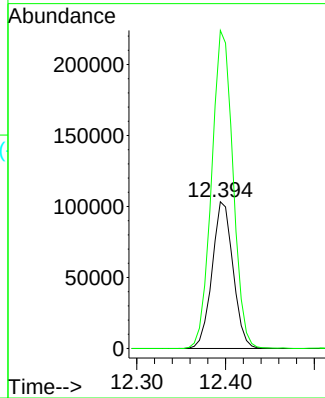
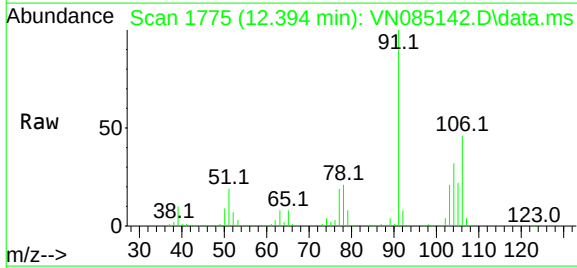
91 221.5 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 57.790 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

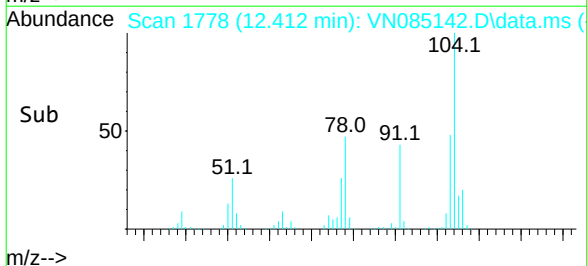
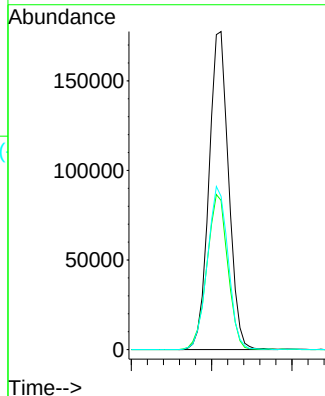
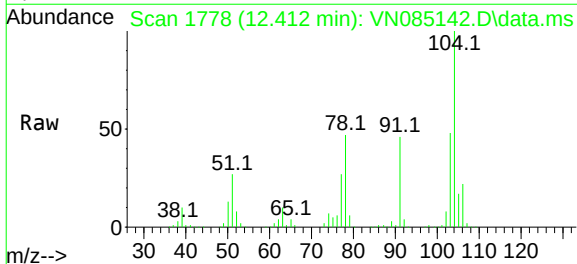
Tgt Ion:104 Resp: 301784

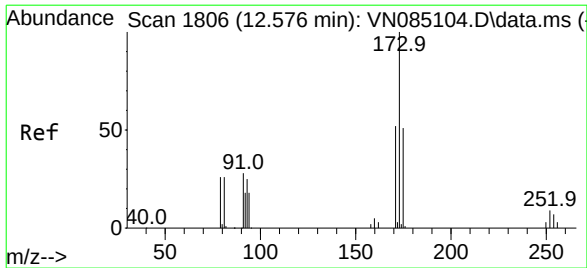
Ion Ratio Lower Upper

104 100

78 51.7 42.3 63.5

103 54.2 44.2 66.2





#71

Bromoform

Concen: 56.742 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 79256

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.2

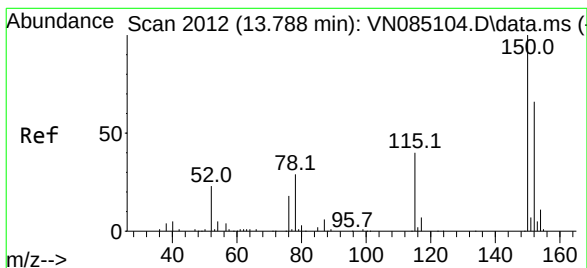
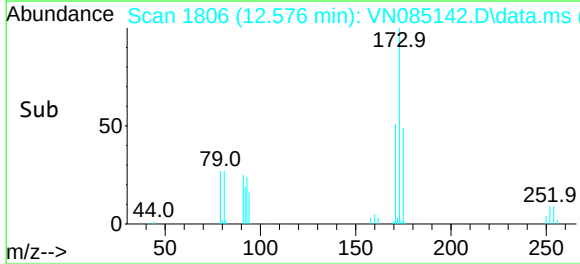
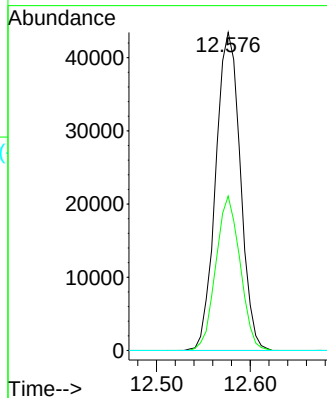
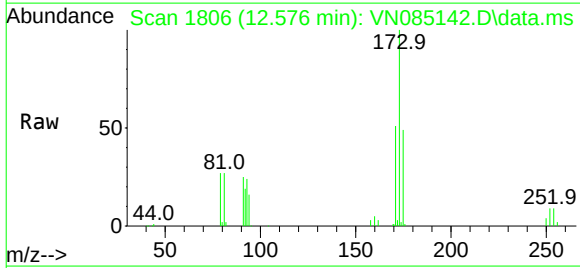
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

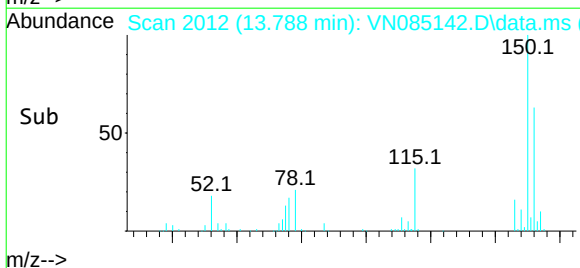
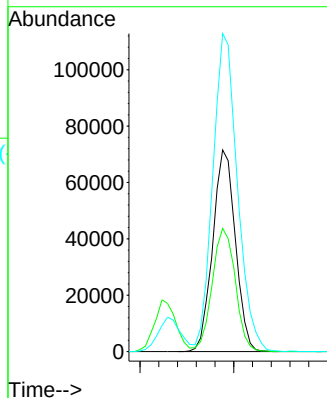
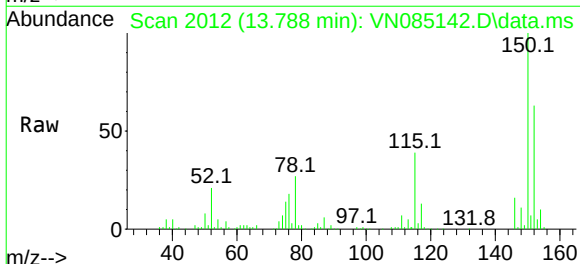
Tgt Ion:152 Resp: 120023

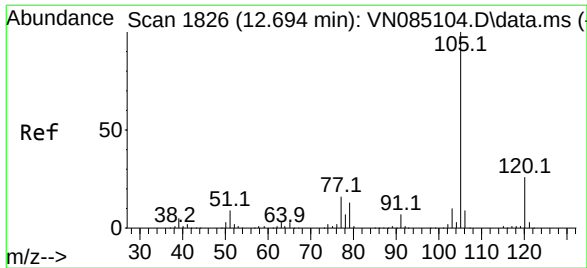
Ion Ratio Lower Upper

152 100

115 62.3 31.7 95.1

150 171.3 0.0 351.4





#73

Isopropylbenzene

Concen: 52.158 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 441629

Ion Ratio Lower Upper

105 100

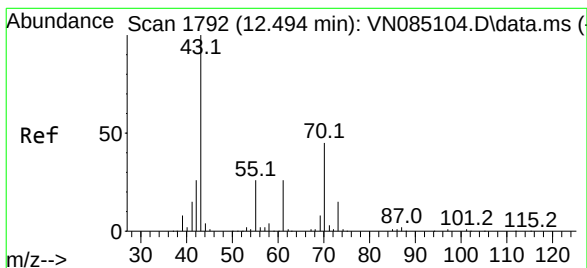
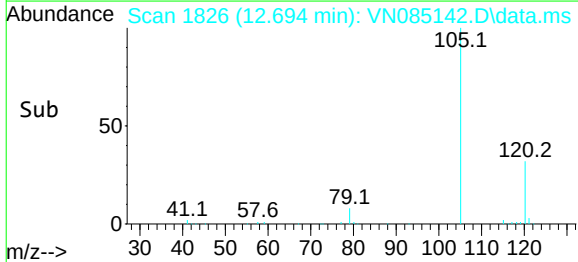
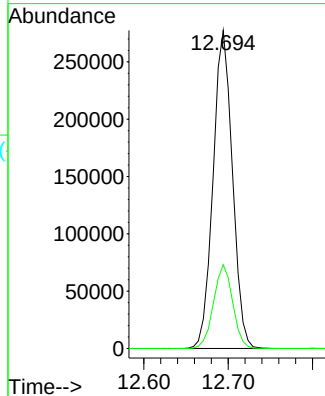
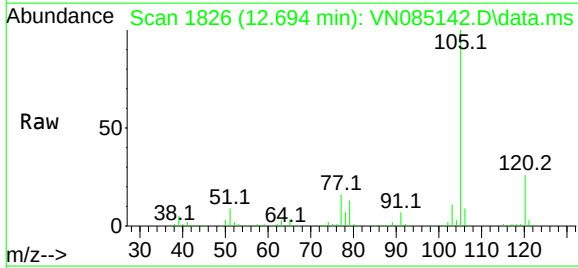
120 26.0 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 50.480 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 176132

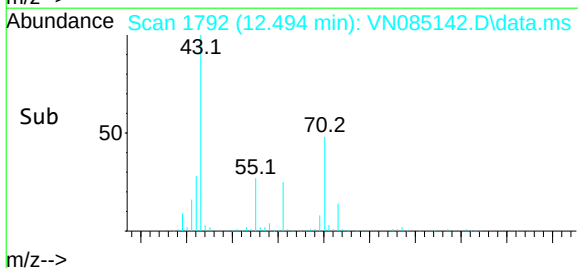
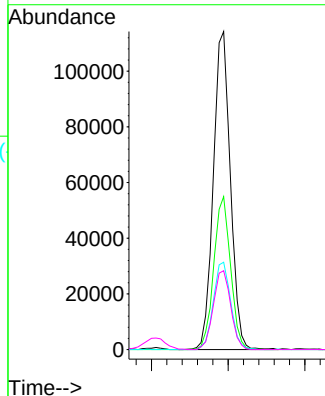
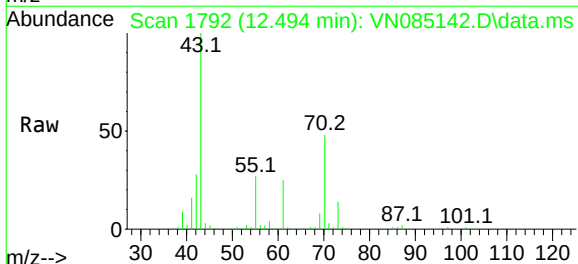
Ion Ratio Lower Upper

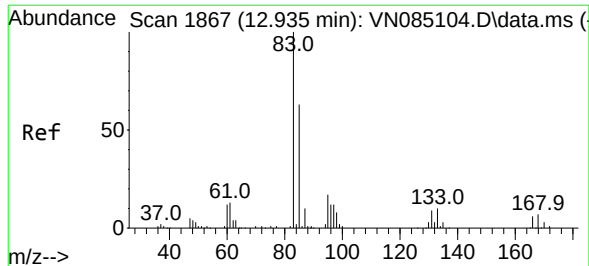
43 100

70 47.3 34.6 51.8

55 28.0 20.5 30.7

61 25.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.462 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

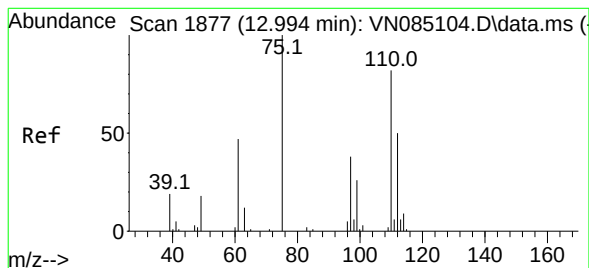
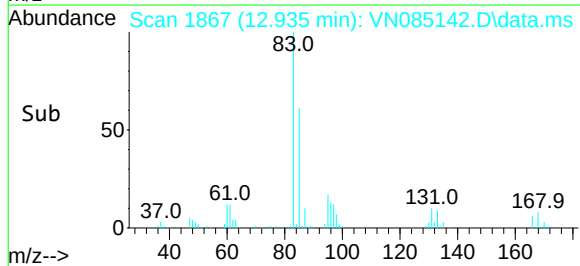
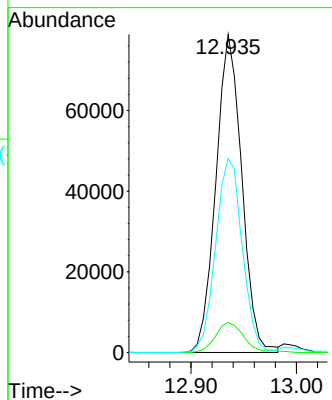
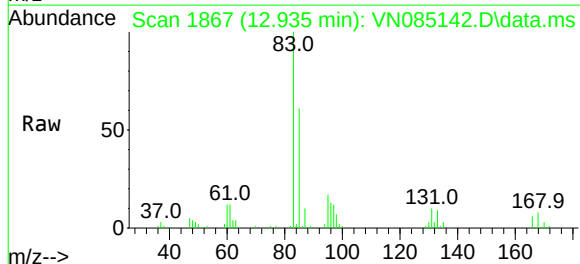
VSTDCCC050

Tgt Ion:	83	Resp:	134339
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	62.9	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 50.213 ug/l m

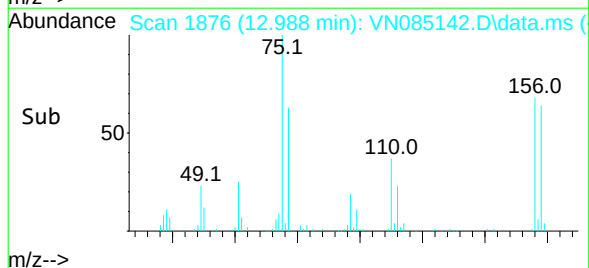
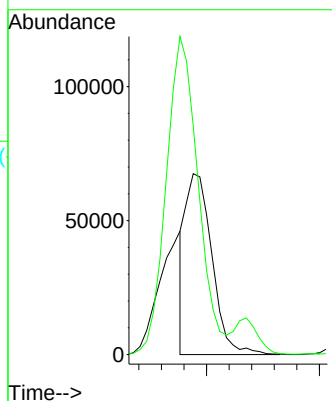
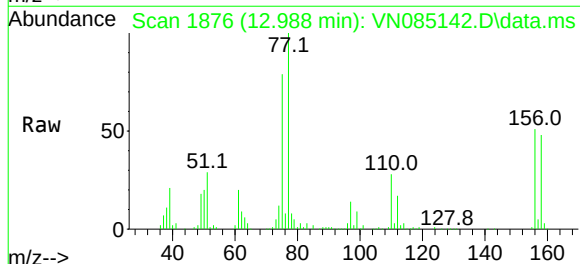
RT: 12.988 min Scan# 1876

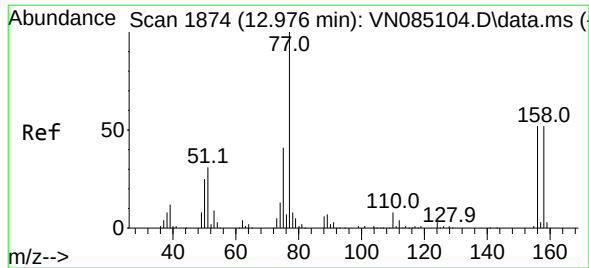
Delta R.T. -0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:	75	Resp:	109621
Ion	Ratio	Lower	Upper
75	100		
77	212.9	109.1	327.4





#77

Bromobenzene

Concen: 48.098 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085142.D

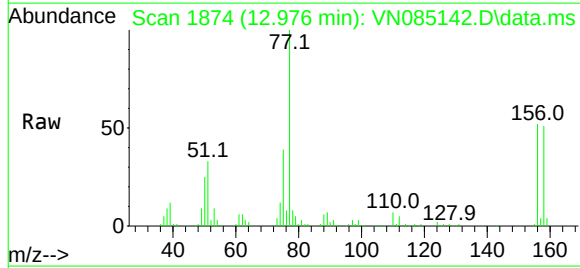
Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 156 Resp: 109596

Ion Ratio Lower Upper

156 100

77 213.0 107.2 321.6

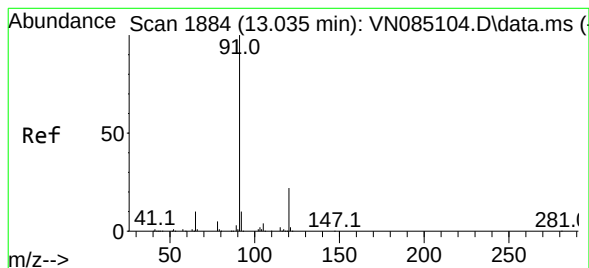
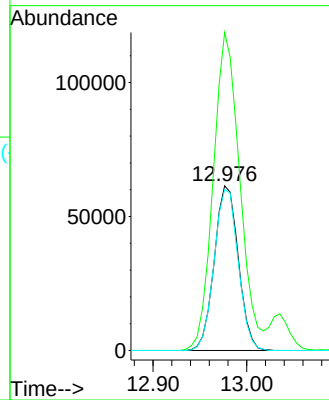
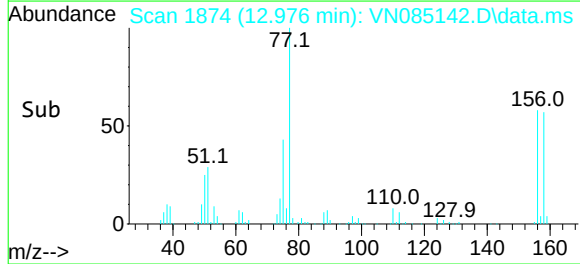
158 97.8 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 54.068 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085142.D

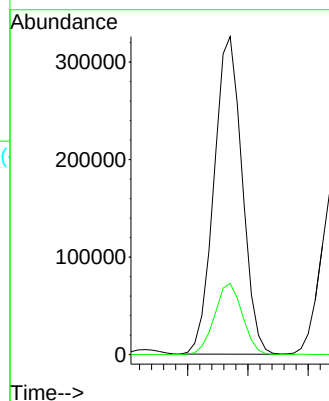
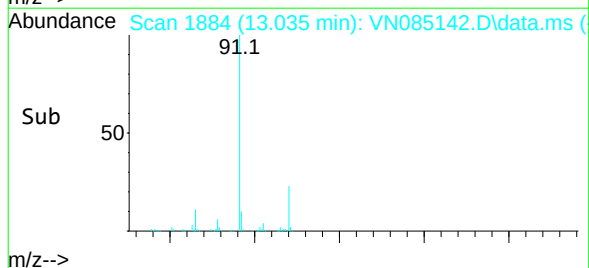
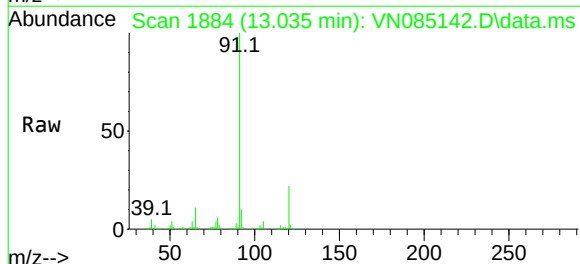
Acq: 09 Dec 2024 10:32

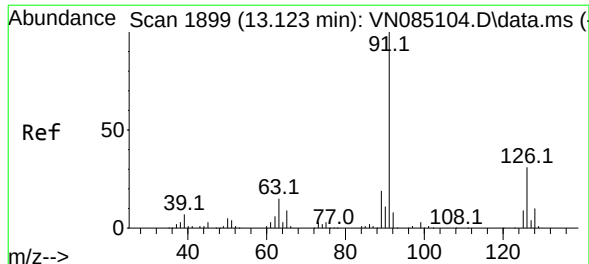
Tgt Ion: 91 Resp: 528037

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9





#79

2-Chlorotoluene

Concen: 48.981 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 319326

Ion Ratio Lower Upper

91 100

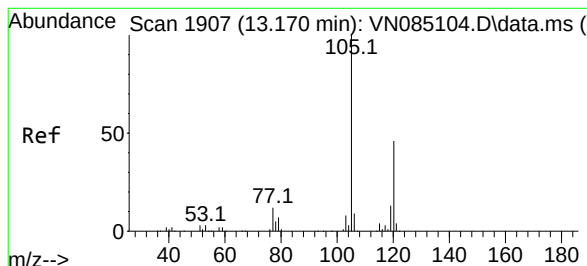
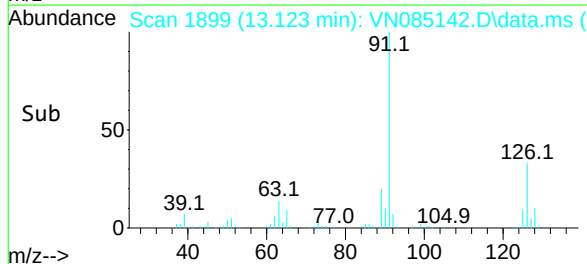
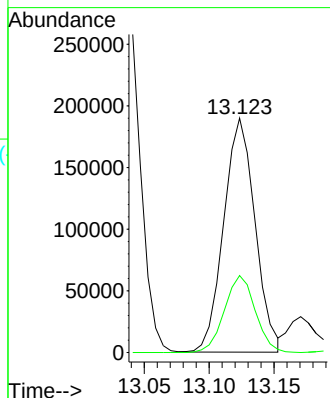
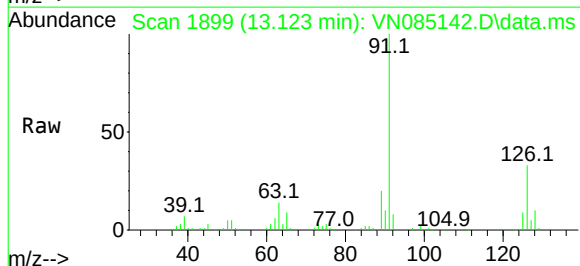
126 32.3 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 54.491 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085142.D

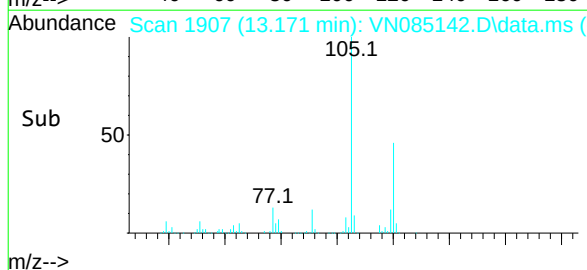
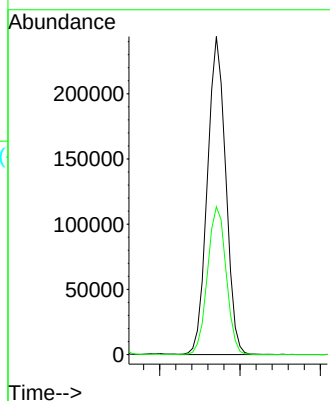
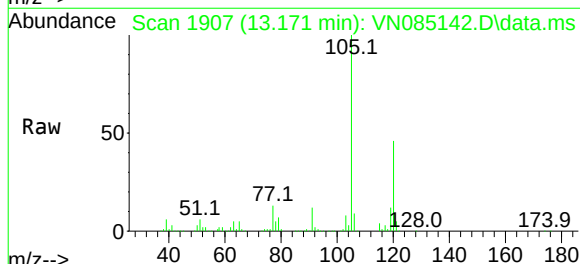
Acq: 09 Dec 2024 10:32

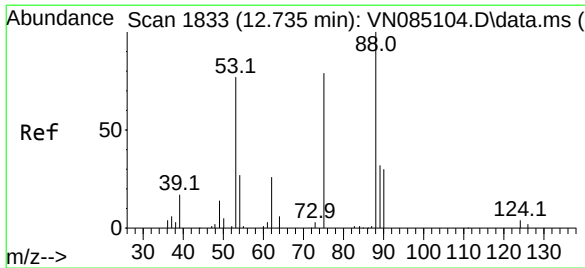
Tgt Ion:105 Resp: 387163

Ion Ratio Lower Upper

105 100

120 47.1 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.850 ug/l m

RT: 12.735 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085142.D

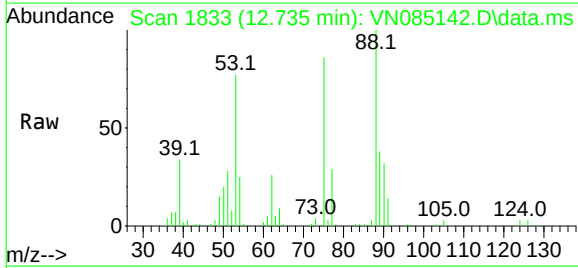
Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



Tgt Ion: 75 Resp: 49298

Ion Ratio Lower Upper

75 100

53 92.4 78.2 117.4

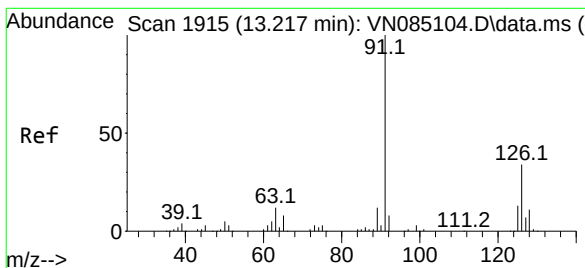
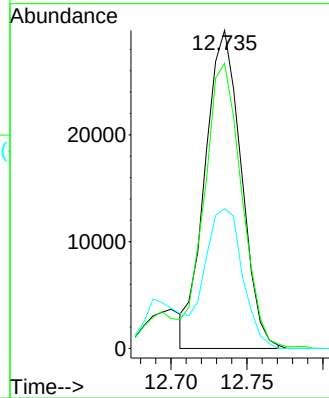
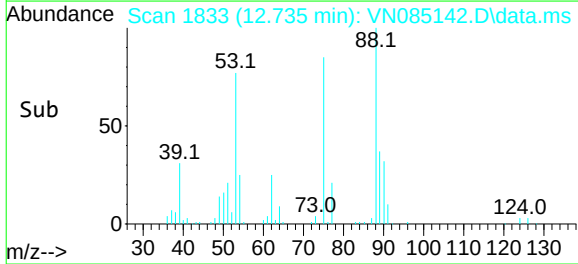
89 45.0 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 48.778 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN085142.D

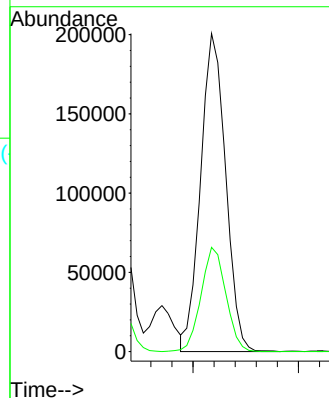
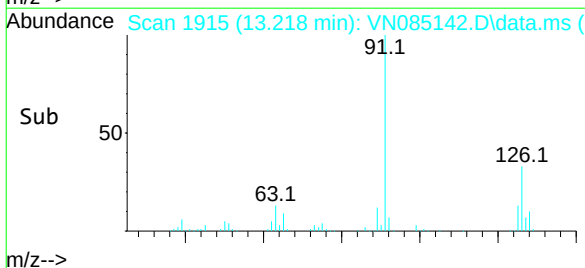
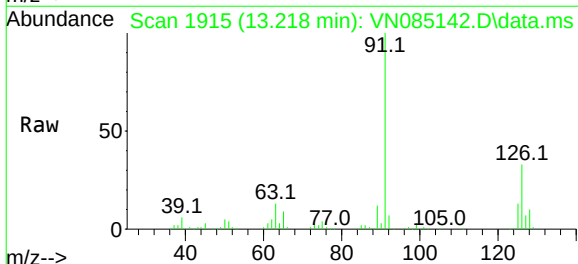
Acq: 09 Dec 2024 10:32

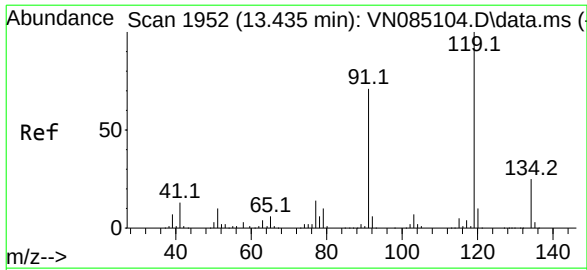
Tgt Ion: 91 Resp: 331046

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.3





#83

tert-Butylbenzene

Concen: 50.852 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 310870

Ion Ratio Lower Upper

119 100

91 71.2 35.1 105.5

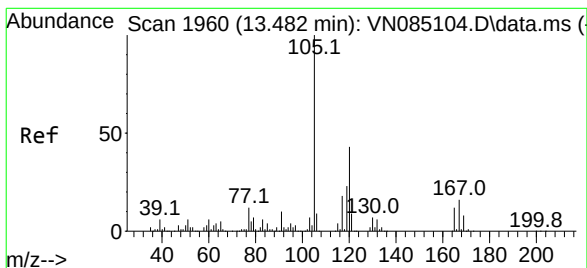
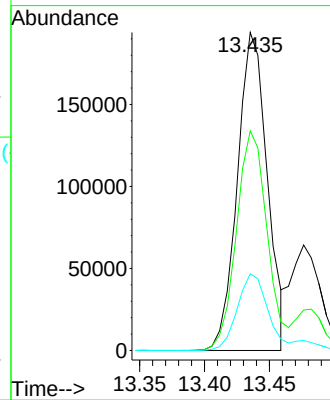
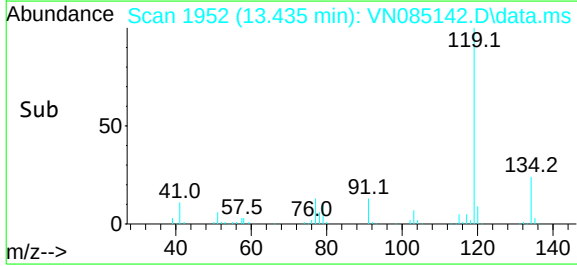
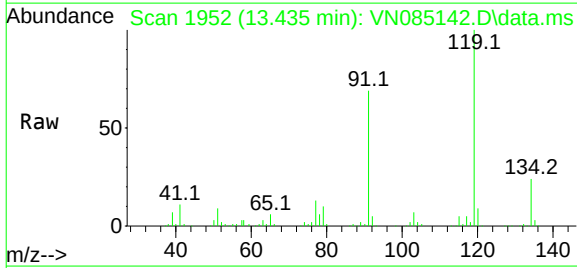
134 24.5 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 53.047 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085142.D

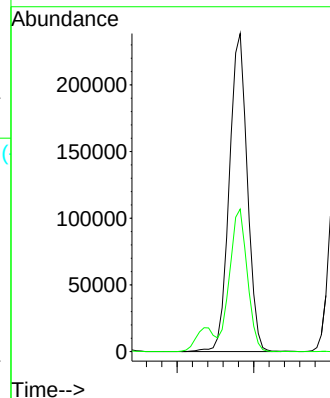
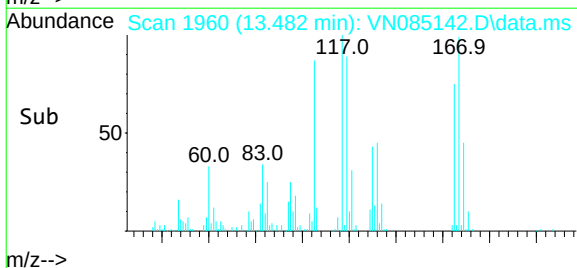
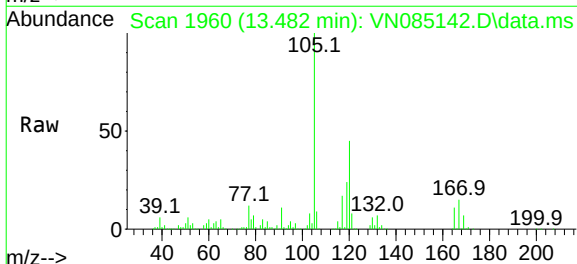
Acq: 09 Dec 2024 10:32

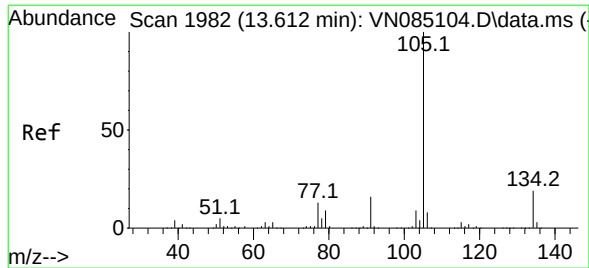
Tgt Ion:105 Resp: 387968

Ion Ratio Lower Upper

105 100

120 43.9 21.8 65.4





#85

sec-Butylbenzene

Concen: 54.132 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 447037

Ion Ratio Lower Upper

105 100

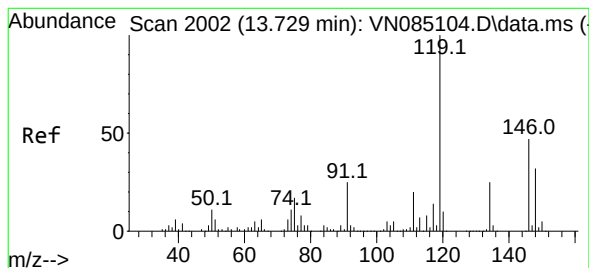
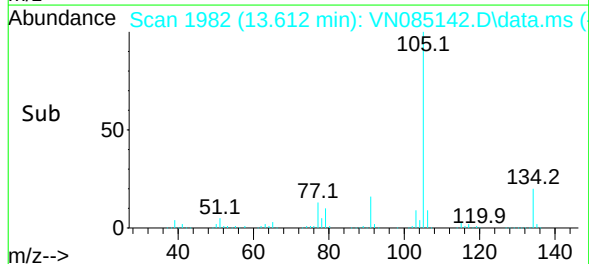
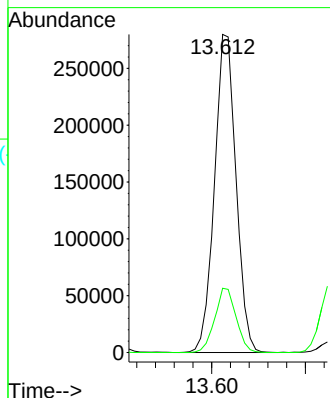
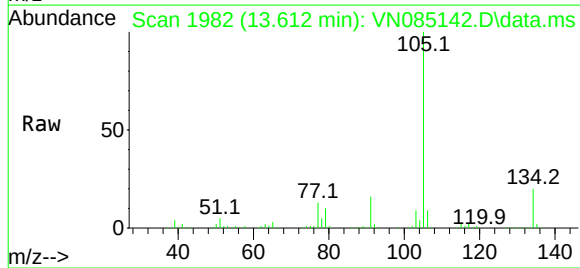
134 20.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 55.734 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

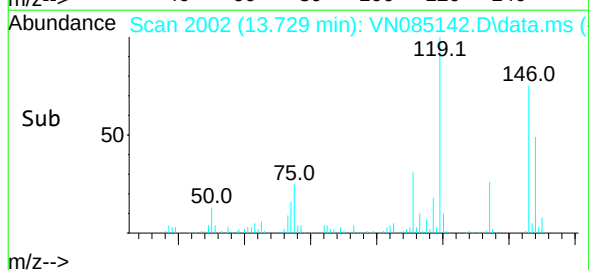
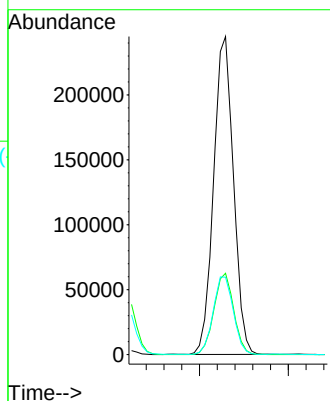
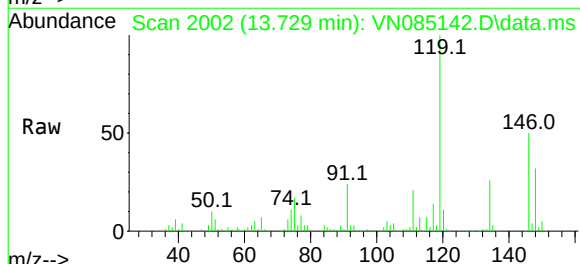
Tgt Ion:119 Resp: 379947

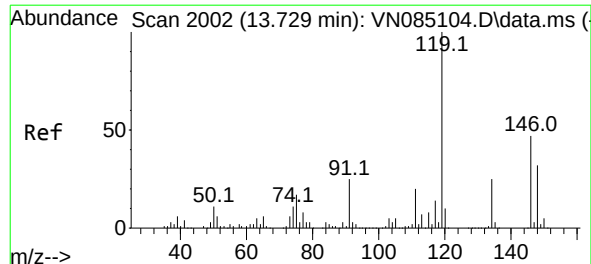
Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 24.9 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 45.047 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

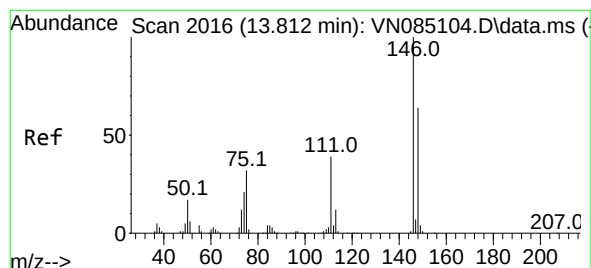
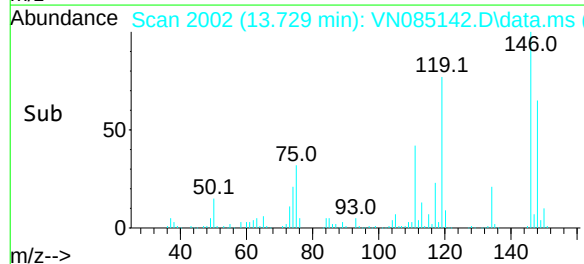
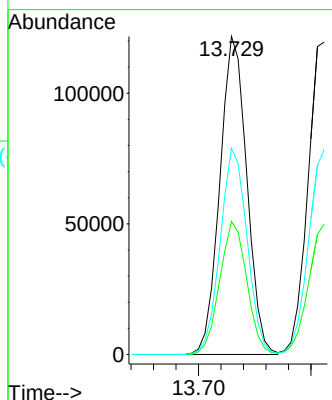
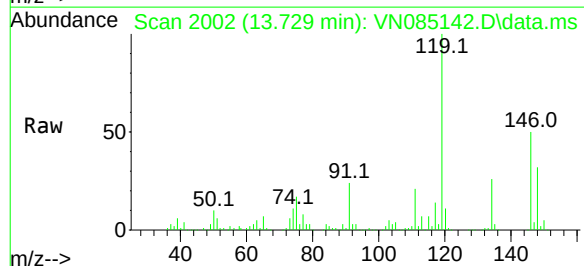
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	202457
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	64.8	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 44.203 ug/l

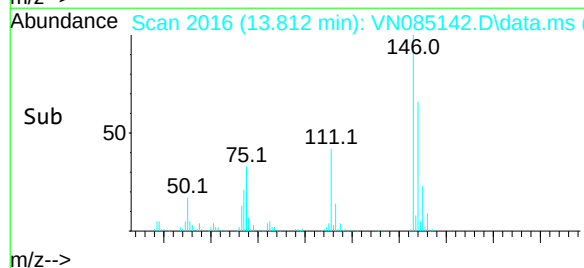
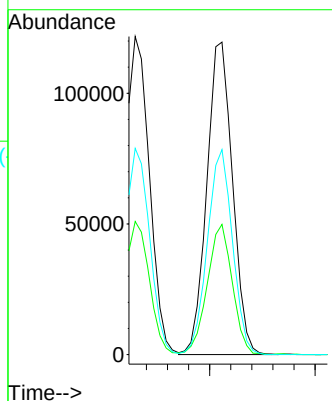
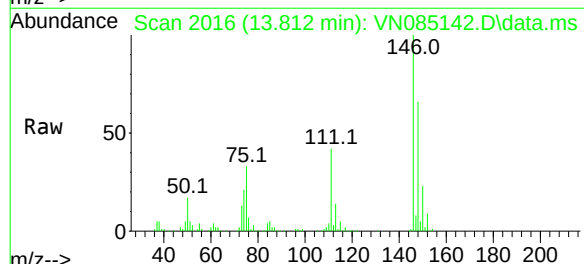
RT: 13.812 min Scan# 2016

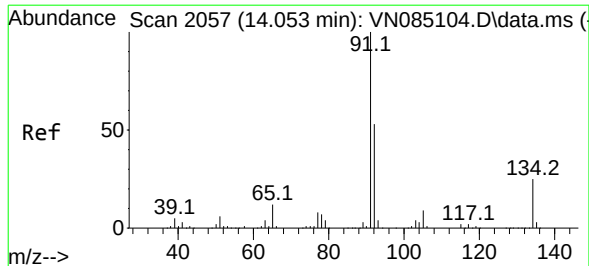
Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:	146	Resp:	202736
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.8
148	64.1	31.3	93.9





#89

n-Butylbenzene

Concen: 50.053 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

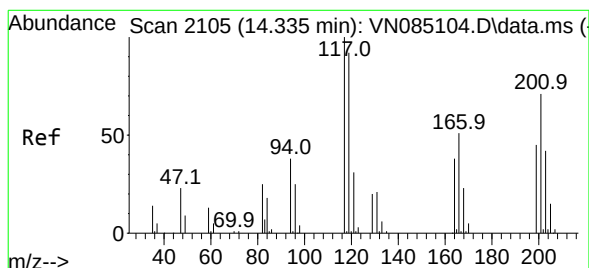
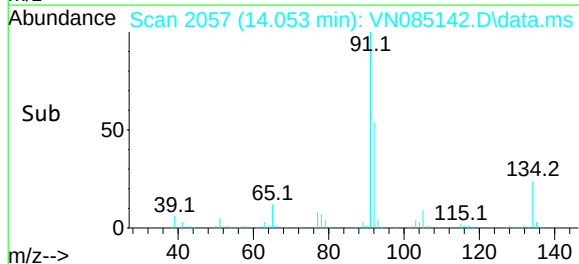
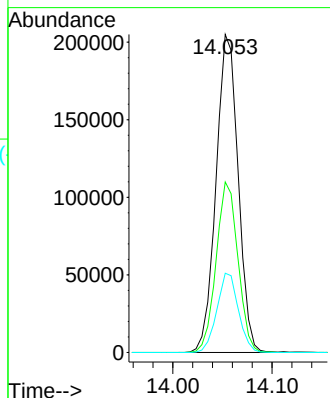
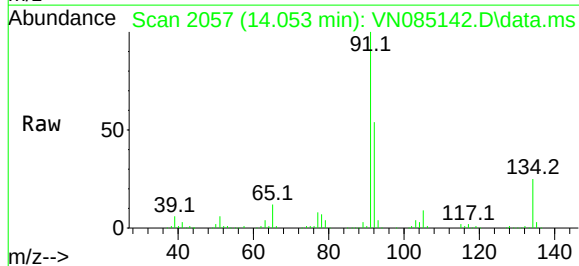
VSTDCCC050

Tgt Ion:	91	Resp:	317319
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	24.3	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 50.159 ug/l

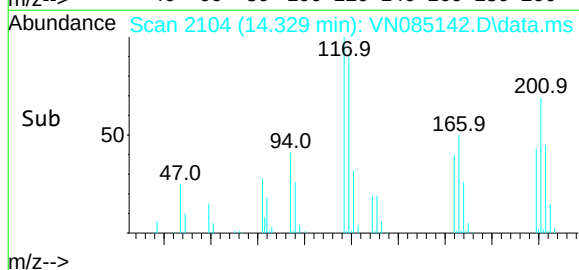
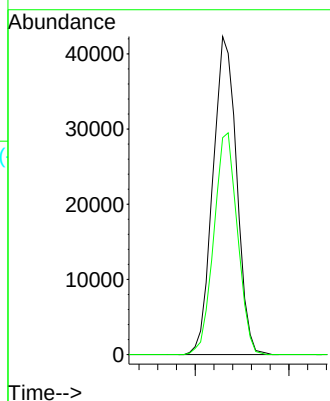
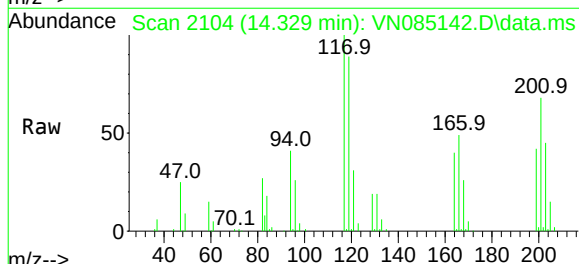
RT: 14.329 min Scan# 2104

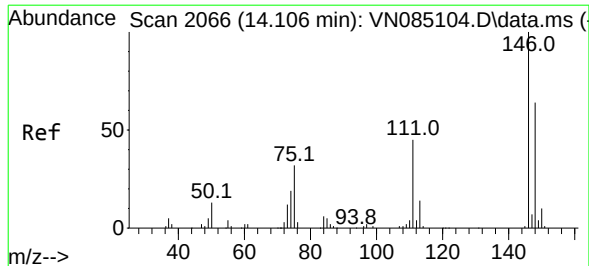
Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

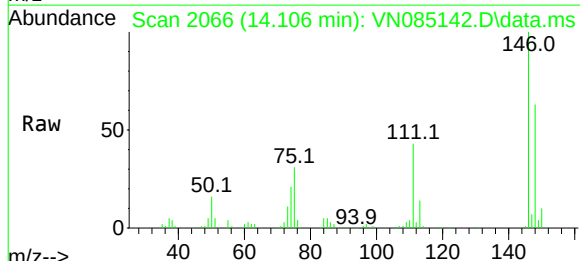
Tgt Ion:	117	Resp:	74535
Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 44.283 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

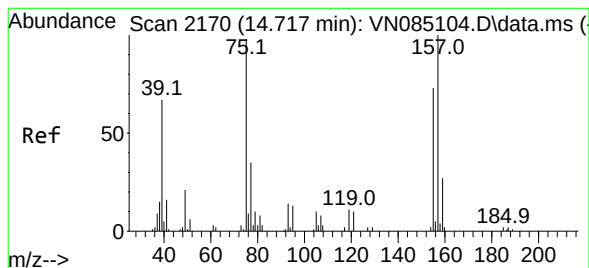
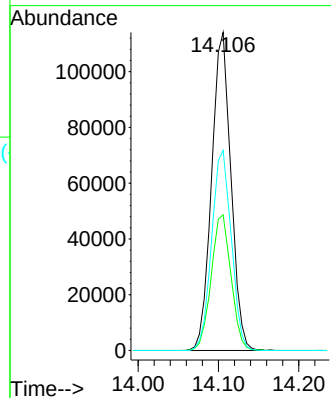
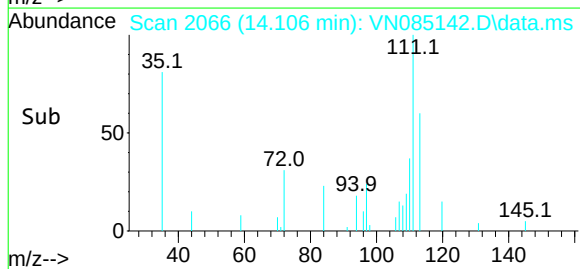
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 146 Resp: 190711
Ion Ratio Lower Upper
146 100
111 43.8 21.9 65.8
148 63.9 31.1 93.2

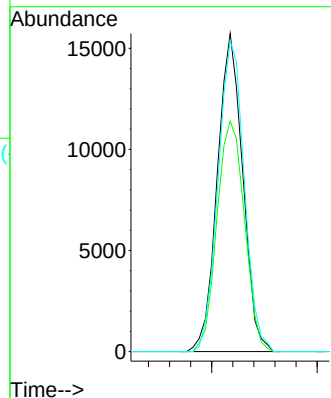
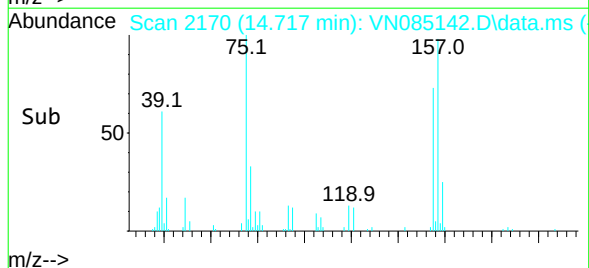
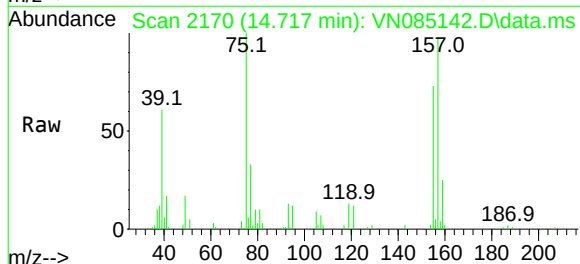
Manual Integrations
APPROVED

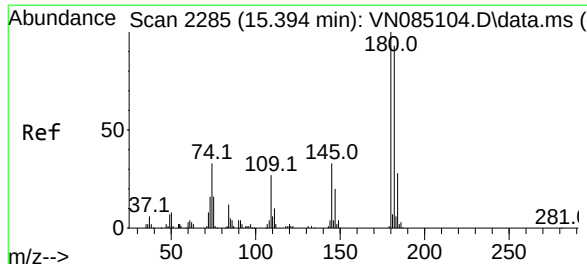
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.961 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 26256
Ion Ratio Lower Upper
75 100
155 78.7 38.9 116.7
157 100.4 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 42.133 ug/l

RT: 15.388 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

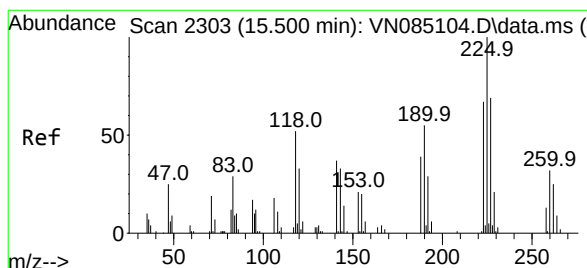
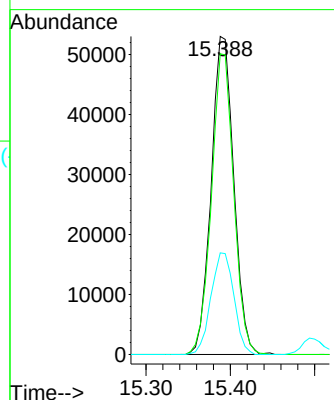
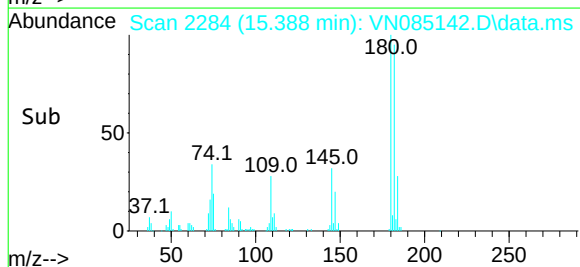
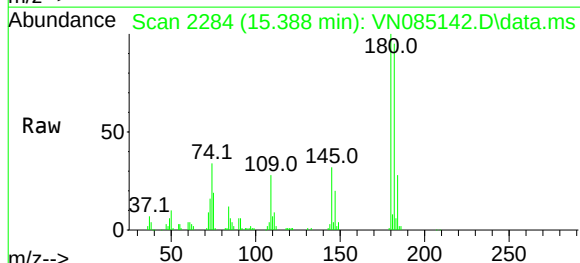
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	46.9	140.8
145	32.4	16.3	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 43.472 ug/l

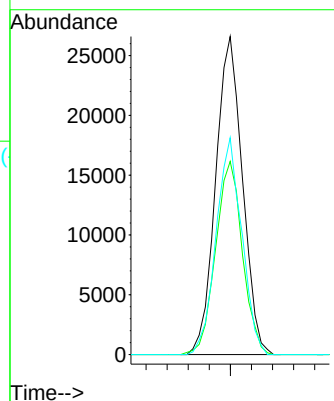
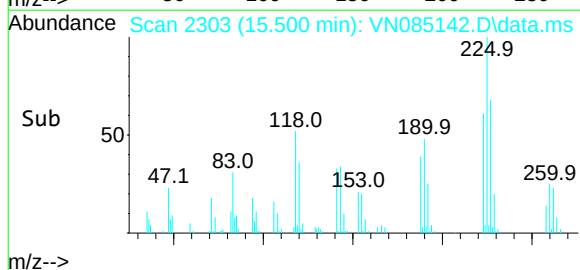
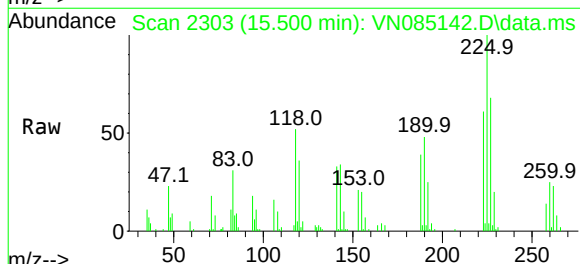
RT: 15.500 min Scan# 2303

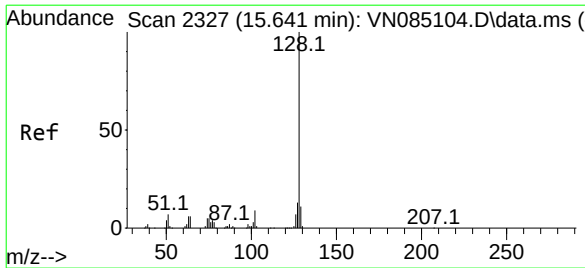
Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	30.9	92.8
227	65.5	31.5	94.5





#95

Naphthalene

Concen: 44.981 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

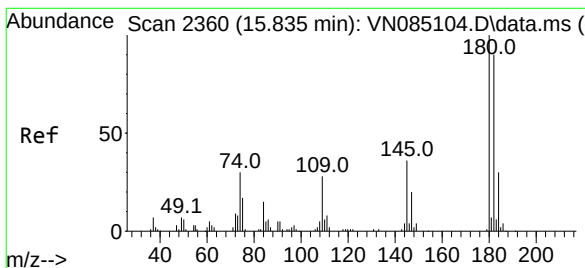
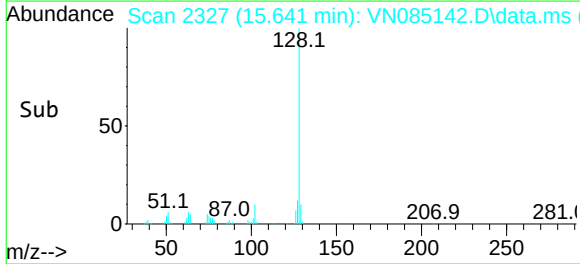
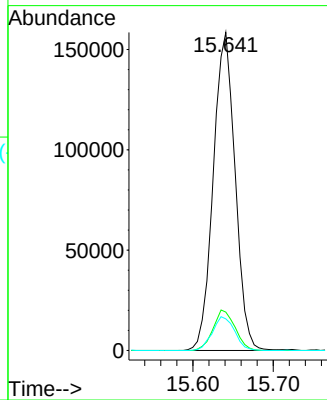
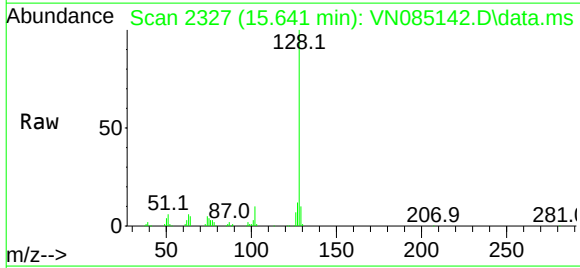
ClientSampleId :

VSTDCCC050

Tgt Ion:	128	Resp:	299742
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 43.570 ug/l

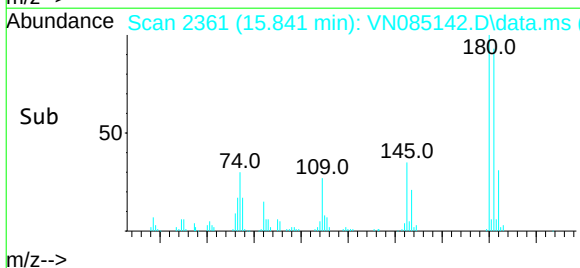
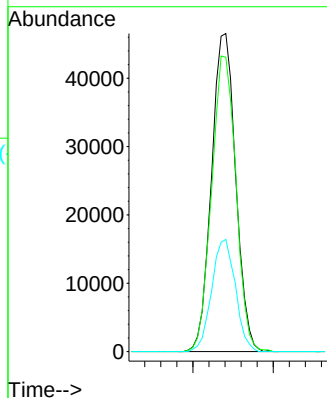
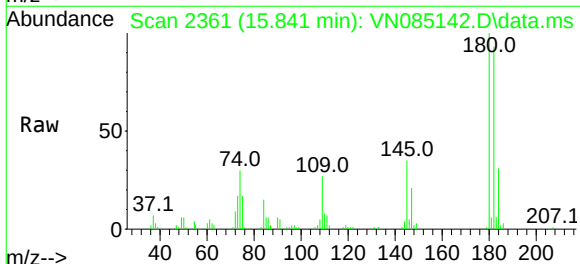
RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:	180	Resp:	97267
Ion	Ratio	Lower	Upper
180	100		
182	93.6	46.4	139.2
145	34.6	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	104	0.00
2 T	Dichlorodifluoromethane	0.565	0.438	22.5	81	0.00
3 P	Chloromethane	0.656	0.474	27.7#	83	0.00
4 C	Vinyl Chloride	0.589	0.495	16.0#	89	0.00
5 T	Bromomethane	0.330	0.316	4.2	105	0.04
6 T	Chloroethane	0.397	0.353	11.1	97	0.05
7 T	Trichlorofluoromethane	1.002	0.921	8.1	99	0.04
8 T	Diethyl Ether	0.341	0.323	5.3	96	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.538	5.4	101	0.00
10 T	Methyl Iodide	0.753	0.528	29.9#	73	0.01
11 T	Tert butyl alcohol	0.095	0.091	4.2	104	-0.02
12 CM	1,1-Dichloroethene	0.531	0.486	8.5#	96	0.02
13 T	Acrolein	0.064	0.076	-18.7	113	0.01
14 T	Allyl chloride	0.895	0.695	22.3	81	0.01
15 T	Acrylonitrile	0.269	0.262	2.6	103	0.00
16 T	Acetone	0.207	0.240	-15.9	123	0.00
17 T	Carbon Disulfide	1.566	1.336	14.7	94	0.01
18 T	Methyl Acetate	0.804	0.638	20.6	101	0.00
19 T	Methyl tert-butyl Ether	1.734	1.669	3.7	98	0.00
20 T	Methylene Chloride	0.633	0.563	11.1	99	0.00
21 T	trans-1,2-Dichloroethene	0.558	0.518	7.2	96	0.02
22 T	Diisopropyl ether	1.801	1.662	7.7	97	0.00
23 T	Vinyl Acetate	1.242	1.225	1.4	98	0.00
24 P	1,1-Dichloroethane	1.078	1.001	7.1	99	0.01
25 T	2-Butanone	0.339	0.351	-3.5	110	0.00
26 T	2,2-Dichloropropane	1.006	0.939	6.7	98	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.621	7.7	98	0.01
28 T	Bromochloromethane	0.407	0.376	7.6	99	0.00
29 T	Tetrahydrofuran	0.211	0.217	-2.8	105	0.00
30 C	Chloroform	1.146	1.087	5.1#	103	0.00
31 T	Cyclohexane	0.949	0.833	12.2	98	0.00
32 T	1,1,1-Trichloroethane	1.036	0.975	5.9	100	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.678	4.8	100	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.337	0.350	-3.9	101	0.00
36 T	1,1-Dichloropropene	0.457	0.466	-2.0	100	0.00
37 T	Ethyl Acetate	0.415	0.438	-5.5	106	0.00
38 T	Carbon Tetrachloride	0.527	0.559	-6.1	102	0.00
39 T	Methylcyclohexane	0.475	0.498	-4.8	96	0.00
40 TM	Benzene	1.444	1.457	-0.9	100	0.00
41 T	Methacrylonitrile	0.230	0.235	-2.2	100	0.00
42 TM	1,2-Dichloroethane	0.494	0.498	-0.8	101	0.00
43 T	Isopropyl Acetate	0.862	0.742	13.9	96	0.00
44 TM	Trichloroethene	0.336	0.347	-3.3	104	0.00
45 C	1,2-Dichloropropane	0.356	0.351	1.4#	98	0.00
46 T	Dibromomethane	0.247	0.256	-3.6	102	0.00
47 T	Bromodichloromethane	0.524	0.550	-5.0	103	0.00
48 T	Methyl methacrylate	0.321	0.345	-7.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.007	-16.7	118	0.00
50 S	Toluene-d8	1.208	1.232	-2.0	96	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.459	-16.5	110	0.00
52 CM	Toluene	0.855	0.925	-8.2#	102	0.00
53 T	t-1,3-Dichloropropene	0.525	0.542	-3.2	96	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.579	-3.9	98	0.00
55 T	1,1,2-Trichloroethane	0.319	0.346	-8.5	105	0.00
56 T	Ethyl methacrylate	0.465	0.547	-17.6	103	0.00
57 T	1,3-Dichloropropane	0.561	0.584	-4.1	102	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.236	-3.5	85	0.00
59 T	2-Hexanone	0.295	0.353	-19.7	110	0.00
60 T	Dibromochloromethane	0.389	0.430	-10.5	109	0.00
61 T	1,2-Dibromoethane	0.330	0.352	-6.7	104	0.00
62 S	4-Bromofluorobenzene	0.452	0.465	-2.9	97	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.337	0.355	-5.3	110	0.00
65 PM	Chlorobenzene	1.134	1.124	0.9	105	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.411	-3.0	105	0.00
67 C	Ethyl Benzene	1.840	1.979	-7.6#	103	0.00
68 T	m/p-Xylenes	0.700	0.769	-9.9	106	0.00
69 T	o-Xylene	0.666	0.719	-8.0	103	0.00
70 T	Styrene	1.108	1.281	-15.6	109	0.00
71 P	Bromoform	0.296	0.336	-13.5	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.527	3.680	-4.3	106	0.00
74 T	N-amyl acetate	1.454	1.467	-0.9	99	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.119	7.1	106	0.00
76 T	1,2,3-Trichloropropane	0.909	0.913	-0.4	106	0.00
77 T	Bromobenzene	0.949	0.913	3.8	104	0.00
78 T	n-propylbenzene	4.068	4.399	-8.1	109	0.00
79 T	2-Chlorotoluene	2.716	2.661	2.0	104	0.00
80 T	1,3,5-Trimethylbenzene	2.960	3.226	-9.0	108	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.411	0.2	106	0.00
82 T	4-Chlorotoluene	2.827	2.758	2.4	104	0.00
83 T	tert-Butylbenzene	2.547	2.590	-1.7	103	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.232	-6.1	105	0.00
85 T	sec-Butylbenzene	3.440	3.725	-8.3	106	0.00
86 T	p-Isopropyltoluene	2.840	3.166	-11.5	107	0.00
87 T	1,3-Dichlorobenzene	1.872	1.687	9.9	103	0.00
88 T	1,4-Dichlorobenzene	1.911	1.689	11.6	101	0.00
89 T	n-Butylbenzene	2.641	2.644	-0.1	104	0.00
90 T	Hexachloroethane	0.619	0.621	-0.3	107	0.00
91 T	1,2-Dichlorobenzene	1.794	1.589	11.4	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.219	6.0	105	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.821	15.8	95	0.00
94 T	Hexachlorobutadiene	0.450	0.391	13.1	102	0.00
95 T	Naphthalene	2.776	2.497	10.1	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	0.930	0.810	12.9	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	104	0.00
2 T	Dichlorodifluoromethane	50.000	38.695	22.6	81	0.00
3 P	Chloromethane	50.000	36.113	27.8#	83	0.00
4 C	Vinyl Chloride	50.000	41.966	16.1#	89	0.00
5 T	Bromomethane	50.000	47.797	4.4	105	0.04
6 T	Chloroethane	50.000	44.380	11.2	97	0.05
7 T	Trichlorofluoromethane	50.000	45.926	8.1	99	0.04
8 T	Diethyl Ether	50.000	47.263	5.5	96	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.294	5.4	101	0.00
10 T	Methyl Iodide	50.000	35.067	29.9#	73	0.01
11 T	Tert butyl alcohol	250.000	237.948	4.8	104	-0.02
12 CM	1,1-Dichloroethene	50.000	45.833	8.3#	96	0.02
13 T	Acrolein	250.000	300.005	-20.0	113	0.01
14 T	Allyl chloride	50.000	38.835	22.3	81	0.01
15 T	Acrylonitrile	250.000	243.009	2.8	103	0.00
16 T	Acetone	250.000	289.341	-15.7	123	0.00
17 T	Carbon Disulfide	50.000	42.635	14.7	94	0.01
18 T	Methyl Acetate	50.000	48.108	3.8	101	0.00
19 T	Methyl tert-butyl Ether	50.000	48.135	3.7	98	0.00
20 T	Methylene Chloride	50.000	44.476	11.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.418	7.2	96	0.02
22 T	Diisopropyl ether	50.000	46.165	7.7	97	0.00
23 T	Vinyl Acetate	250.000	246.613	1.4	98	0.00
24 P	1,1-Dichloroethane	50.000	46.447	7.1	99	0.01
25 T	2-Butanone	250.000	258.973	-3.6	110	0.00
26 T	2,2-Dichloropropane	50.000	46.682	6.6	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	46.131	7.7	98	0.01
28 T	Bromochloromethane	50.000	46.274	7.5	99	0.00
29 T	Tetrahydrofuran	250.000	257.747	-3.1	105	0.00
30 C	Chloroform	50.000	47.401	5.2#	103	0.00
31 T	Cyclohexane	50.000	43.877	12.2	98	0.00
32 T	1,1,1-Trichloroethane	50.000	47.089	5.8	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.569	4.9	100	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	51.885	-3.8	101	0.00
36 T	1,1-Dichloropropene	50.000	51.043	-2.1	100	0.00
37 T	Ethyl Acetate	50.000	52.778	-5.6	106	0.00
38 T	Carbon Tetrachloride	50.000	53.041	-6.1	102	0.00
39 T	Methylcyclohexane	50.000	52.424	-4.8	96	0.00
40 TM	Benzene	50.000	50.434	-0.9	100	0.00
41 T	Methacrylonitrile	50.000	51.058	-2.1	100	0.00
42 TM	1,2-Dichloroethane	50.000	50.412	-0.8	101	0.00
43 T	Isopropyl Acetate	50.000	43.006	14.0	96	0.00
44 TM	Trichloroethene	50.000	51.660	-3.3	104	0.00
45 C	1,2-Dichloropropane	50.000	49.272	1.5#	98	0.00
46 T	Dibromomethane	50.000	51.870	-3.7	102	0.00
47 T	Bromodichloromethane	50.000	52.456	-4.9	103	0.00
48 T	Methyl methacrylate	50.000	53.750	-7.5	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	1260.284	-26.0#	118	0.00
50 S	Toluene-d8	50.000	50.960	-1.9	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	291.377	-16.6	110	0.00
52 CM	Toluene	50.000	54.081	-8.2#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	51.589	-3.2	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.984	-4.0	98	0.00
55 T	1,1,2-Trichloroethane	50.000	54.241	-8.5	105	0.00
56 T	Ethyl methacrylate	50.000	58.759	-17.5	103	0.00
57 T	1,3-Dichloropropane	50.000	52.074	-4.1	102	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	258.243	-3.3	85	0.00
59 T	2-Hexanone	250.000	299.229	-19.7	110	0.00
60 T	Dibromochloromethane	50.000	55.238	-10.5	109	0.00
61 T	1,2-Dibromoethane	50.000	53.317	-6.6	104	0.00
62 S	4-Bromofluorobenzene	50.000	51.412	-2.8	97	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	52.620	-5.2	110	0.00
65 PM	Chlorobenzene	50.000	49.550	0.9	105	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.493	-3.0	105	0.00
67 C	Ethyl Benzene	50.000	53.779	-7.6#	103	0.00
68 T	m/p-Xylenes	100.000	109.841	-9.8	106	0.00
69 T	o-Xylene	50.000	53.945	-7.9	103	0.00
70 T	Styrene	50.000	57.790	-15.6	109	0.00
71 P	Bromoform	50.000	56.742	-13.5	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	52.158	-4.3	106	0.00
74 T	N-amyl acetate	50.000	50.480	-1.0	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.462	7.1	106	0.00
76 T	1,2,3-Trichloropropane	50.000	50.213	-0.4	106	0.00
77 T	Bromobenzene	50.000	48.098	3.8	104	0.00
78 T	n-propylbenzene	50.000	54.068	-8.1	109	0.00
79 T	2-Chlorotoluene	50.000	48.981	2.0	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.491	-9.0	108	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.850	0.3	106	0.00
82 T	4-Chlorotoluene	50.000	48.778	2.4	104	0.00
83 T	tert-Butylbenzene	50.000	50.852	-1.7	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.047	-6.1	105	0.00
85 T	sec-Butylbenzene	50.000	54.132	-8.3	106	0.00
86 T	p-Isopropyltoluene	50.000	55.734	-11.5	107	0.00
87 T	1,3-Dichlorobenzene	50.000	45.047	9.9	103	0.00
88 T	1,4-Dichlorobenzene	50.000	44.203	11.6	101	0.00
89 T	n-Butylbenzene	50.000	50.053	-0.1	104	0.00
90 T	Hexachloroethane	50.000	50.159	-0.3	107	0.00
91 T	1,2-Dichlorobenzene	50.000	44.283	11.4	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.961	6.1	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	42.133	15.7	95	0.00
94 T	Hexachlorobutadiene	50.000	43.472	13.1	102	0.00
95 T	Naphthalene	50.000	44.981	10.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	43.570	12.9	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: P5117 SAS No.: P5117 SDG No.: P5117

Instrument ID: MSVOA_N Calibration Date/Time: 12/09/2024 16:14

Lab File ID: VN085153.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.589	0.577		-2.04	50
1,1-Dichloroethene	0.531	0.571		7.53	50
2-Butanone	0.339	0.438		29.2	50
Carbon Tetrachloride	0.527	0.629		19.35	50
Chloroform	1.146	1.269		10.73	50
Benzene	1.445	1.610		11.5	50
1,2-Dichloroethane	0.494	0.589		19.23	50
Trichloroethene	0.336	0.391		16.37	50
Tetrachloroethene	0.337	0.394		16.91	50
Chlorobenzene	1.134	1.321	0.3	16.49	50
1,2-Dichloroethane-d4	0.712	0.726		1.97	50
Dibromofluoromethane	0.337	0.362		7.42	50
Toluene-d8	1.208	1.305		8.03	50
4-Bromofluorobenzene	0.452	0.506		11.95	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\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119527	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118220	51.000	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.000%
35) Dibromofluoromethane	8.165	113	95864	53.613	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.220%
50) Toluene-d8	10.565	98	345955	53.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.847	95	134293	56.039	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.080%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	81627	44.359	ug/l 98
3) Chloromethane	2.359	50	90903	42.592	ug/l 94
4) Vinyl Chloride	2.512	62	93966	48.992	ug/l 95
5) Bromomethane	2.942	94	62292	57.945	ug/l 99
6) Chloroethane	3.106	64	62173	48.092	ug/l 99
7) Trichlorofluoromethane	3.489	101	174174	53.383	ug/l 98
8) Diethyl Ether	3.953	74	62482	56.265	ug/l 98
9) 1,1,2-Trichlorotrifluo...	4.365	101	101733	54.976	ug/l 98
10) Methyl Iodide	4.583	142	117965	48.159	ug/l 99
11) Tert butyl alcohol	5.524	59	101635	328.103	ug/l 97
12) 1,1-Dichloroethene	4.336	96	92960	53.819	ug/l 96
13) Acrolein	4.177	56	69168	334.634	ug/l 100
14) Allyl chloride	5.018	41	142160	48.822	ug/l 93
15) Acrylonitrile	5.718	53	263867	300.877	ug/l 99
16) Acetone	4.424	43	250348	370.827	ug/l 98
17) Carbon Disulfide	4.706	76	249632	48.964	ug/l 96
18) Methyl Acetate	5.018	43	129127	60.073	ug/l 99
19) Methyl tert-butyl Ether	5.794	73	330945	58.641	ug/l 96
20) Methylene Chloride	5.271	84	109418	53.113	ug/l 99
21) trans-1,2-Dichloroethene	5.783	96	98207	54.029	ug/l 95
22) Diisopropyl ether	6.671	45	327105	55.815	ug/l 98
23) Vinyl Acetate	6.600	43	1235181	305.508	ug/l 100
24) 1,1-Dichloroethane	6.565	63	192887	54.999	ug/l 99
25) 2-Butanone	7.483	43	356129	322.655	ug/l 98
26) 2,2-Dichloropropane	7.494	77	179376	54.775	ug/l 99
27) cis-1,2-Dichloroethene	7.488	96	123370	56.300	ug/l 99
28) Bromochloromethane	7.812	49	57402	43.360	ug/l 93
29) Tetrahydrofuran	7.841	42	223283	325.304	ug/l 100
30) Chloroform	7.965	83	206502	55.353	ug/l 98
31) Cyclohexane	8.253	56	155530	50.369	ug/l 97
32) 1,1,1-Trichloroethane	8.165	97	186189	55.230	ug/l 98
36) 1,1-Dichloropropene	8.371	75	139304	57.518	ug/l 99
37) Ethyl Acetate	7.559	43	138225	62.778	ug/l 99
38) Carbon Tetrachloride	8.359	117	166889	59.696	ug/l 99
39) Methylcyclohexane	9.600	83	153471	60.980	ug/l 97
40) Benzene	8.606	78	426932	55.734	ug/l 97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	74288	60.938	ug/l	97
42) 1,2-Dichloroethane	8.671	62	156285	59.637	ug/l	100
43) Isopropyl Acetate	8.688	43	273688	59.842	ug/l	96
44) Trichloroethene	9.353	130	103598	58.195	ug/l	93
45) 1,2-Dichloropropane	9.618	63	108197	57.347	ug/l	94
46) Dibromomethane	9.706	93	78342	59.757	ug/l	99
47) Bromodichloromethane	9.882	83	167432	60.258	ug/l	99
48) Methyl methacrylate	9.677	41	115253	67.720	ug/l	97
49) 1,4-Dioxane	9.694	88	43006	1457.126	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	725499	347.299	ug/l	99
52) Toluene	10.629	92	277164	61.119	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	170255	61.118	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	180164	60.963	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	103873	61.496	ug/l	98
56) Ethyl methacrylate	10.871	69	174001	70.497	ug/l	98
57) 1,3-Dichloropropane	11.159	76	177618	59.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340202	280.990	ug/l	98
59) 2-Hexanone	11.194	43	549363	351.625	ug/l	100
60) Dibromochloromethane	11.359	129	128913	62.448	ug/l	100
61) 1,2-Dibromoethane	11.471	107	108774	62.224	ug/l	99
64) Tetrachloroethene	11.100	164	90824	58.408	ug/l	98
65) Chlorobenzene	11.888	112	304940	58.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114186	61.967	ug/l	98
67) Ethyl Benzene	11.965	91	537789	63.337	ug/l	98
68) m/p-Xylenes	12.070	106	413021	127.766	ug/l	100
69) o-Xylene	12.400	106	198117	64.428	ug/l	99
70) Styrene	12.412	104	347132	67.883	ug/l	99
71) Bromoform	12.576	173	92080	67.320	ug/l #	99
73) Isopropylbenzene	12.694	105	512549	60.785	ug/l	99
74) N-amyl acetate	12.494	43	219231	63.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152365	52.916	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	108217m	49.775	ug/l	
77) Bromobenzene	12.982	156	126211	55.620	ug/l	100
78) n-propylbenzene	13.035	91	610311	62.752	ug/l	100
79) 2-Chlorotoluene	13.123	91	371546	57.227	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	444282	62.790	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	59423	60.338	ug/l	95
82) 4-Chlorotoluene	13.217	91	380936	56.362	ug/l	100
83) tert-Butylbenzene	13.435	119	360851	59.272	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	446674	61.328	ug/l	99
85) sec-Butylbenzene	13.617	105	515573	62.691	ug/l	100
86) p-Isopropyltoluene	13.729	119	441406	65.018	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232182	51.875	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	232095	50.815	ug/l	98
89) n-Butylbenzene	14.053	91	375765	59.518	ug/l	99
90) Hexachloroethane	14.329	117	85765	57.956	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	216336	50.441	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31099	55.854	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	112793	48.409	ug/l	98
94) Hexachlorobutadiene	15.500	225	54475	50.659	ug/l	98
95) Naphthalene	15.641	128	357684	53.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111098	49.972	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

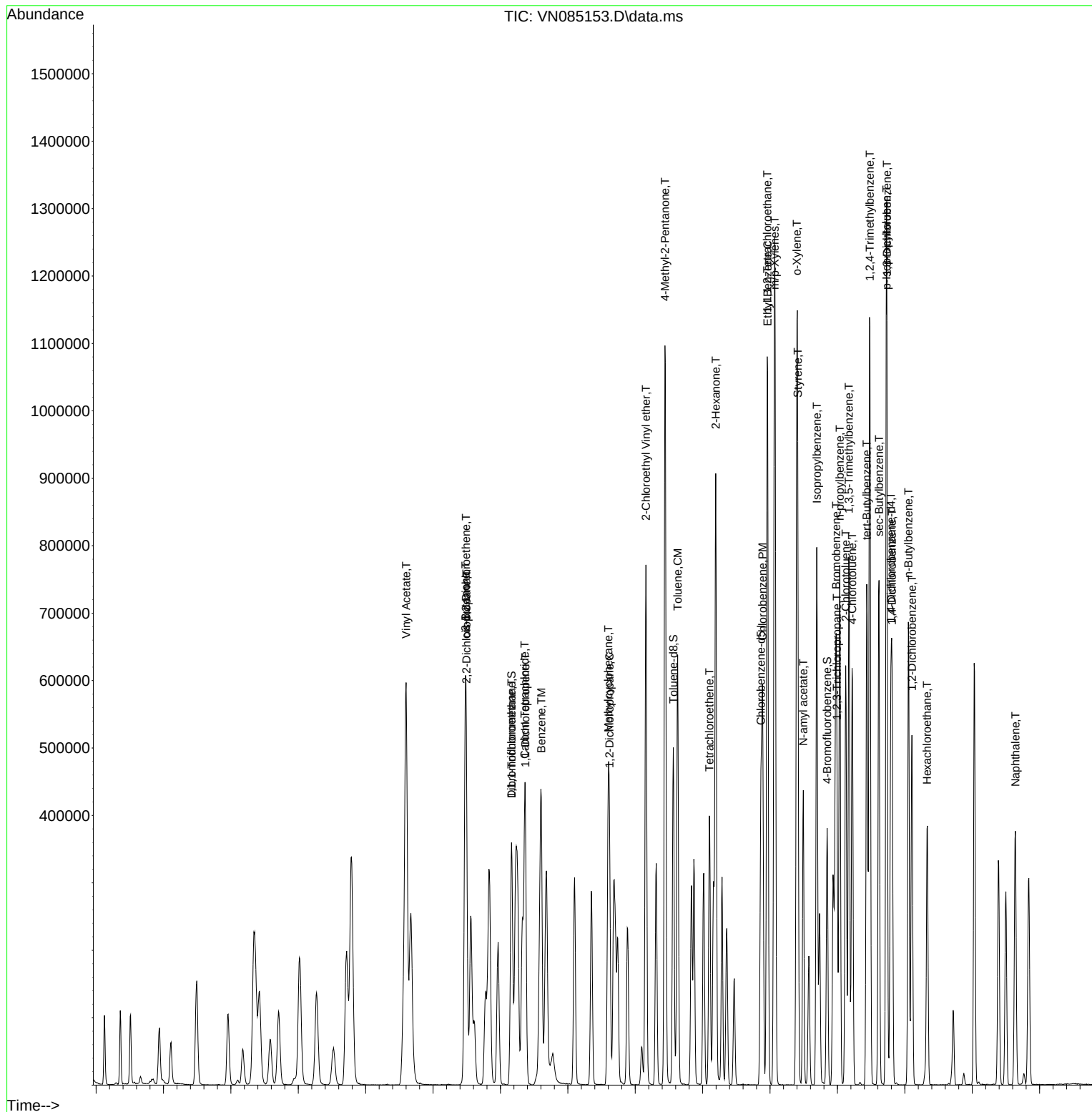
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\  
Data File : VN085153.D  
Acq On    : 09 Dec 2024 16:14  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 13 Sample Multiplier: 1
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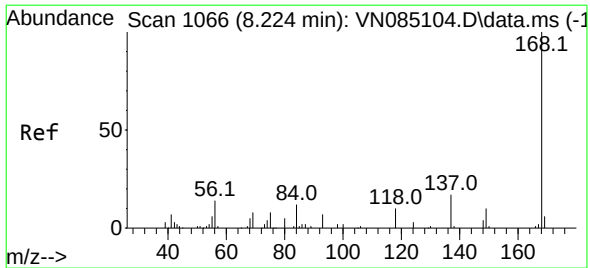
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

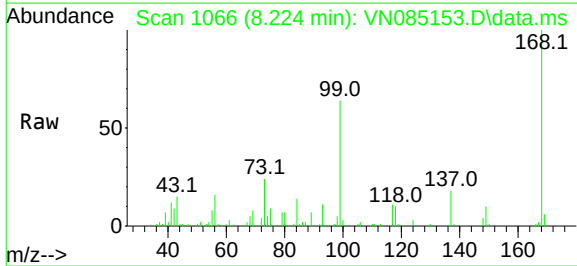
Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

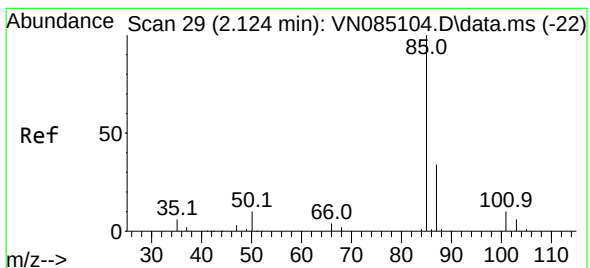
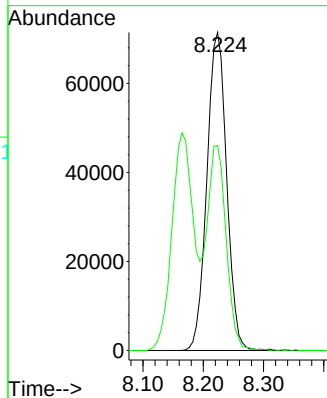
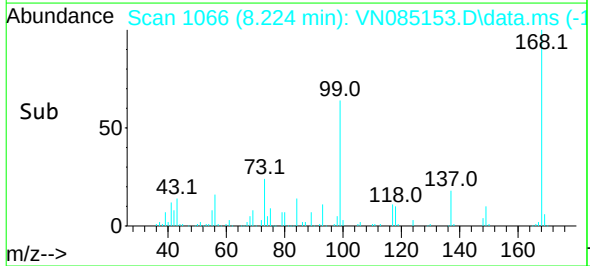
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 168 Resp: 162736
Ion Ratio Lower Upper
168 100
99 64.4 51.2 76.8

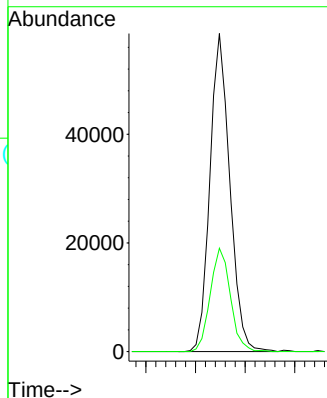
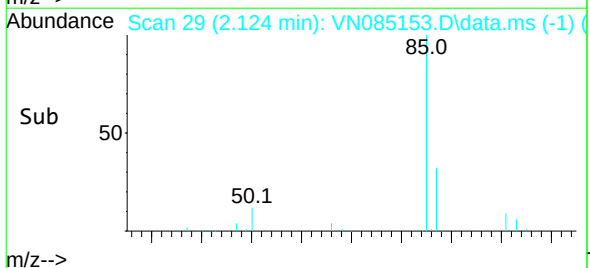
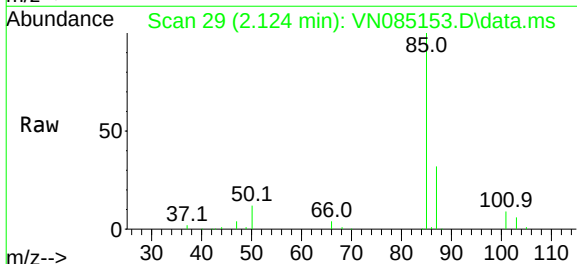
Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

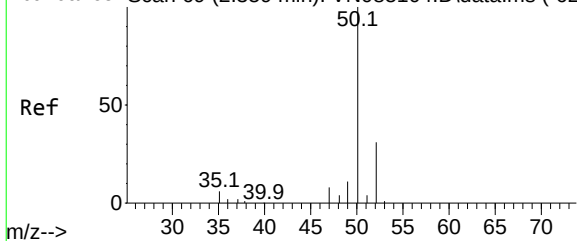


#2
Dichlorodifluoromethane
Concen: 44.359 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 85 Resp: 81627
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1



Abundance Scan 69 (2.359 min): VN085104.D\data.ms (-62)



#3

Chloromethane

Concen: 42.592 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

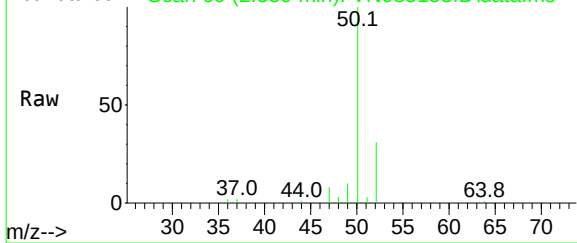
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Abundance Scan 69 (2.359 min): VN085153.D\data.ms



Tgt Ion: 50 Resp: 90903

Ion Ratio Lower Upper

50 100

52 31.1 27.8 41.8

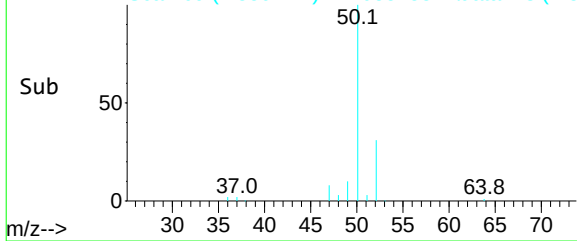
Manual Integrations

APPROVED

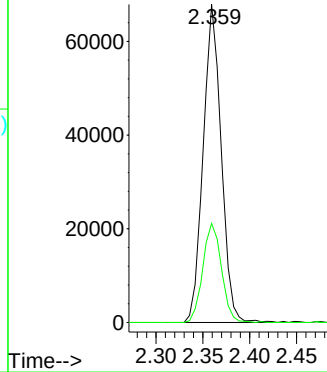
Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024

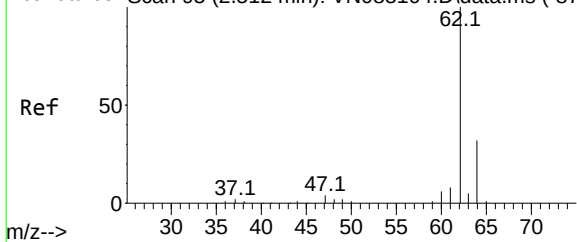
Abundance Scan 69 (2.359 min): VN085153.D\data.ms (-18)



Abundance



Abundance Scan 95 (2.512 min): VN085104.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 48.992 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

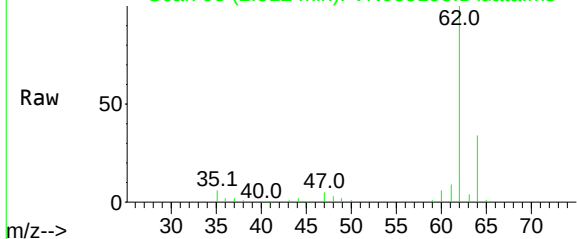
Tgt Ion: 62 Resp: 93966

Ion Ratio Lower Upper

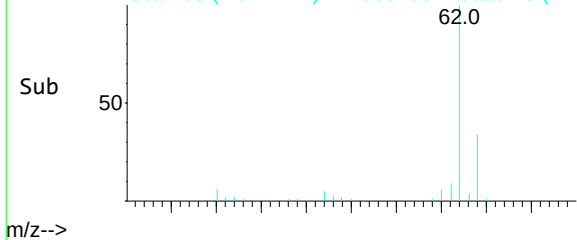
62 100

64 33.4 24.6 36.8

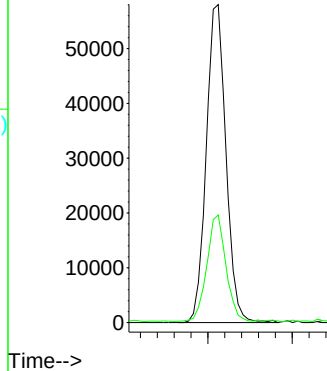
Abundance Scan 95 (2.512 min): VN085153.D\data.ms

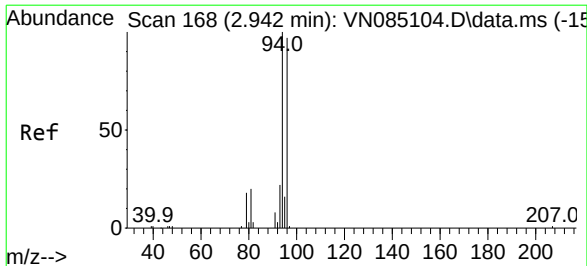


Abundance Scan 95 (2.512 min): VN085153.D\data.ms (-44)



Abundance





#5

Bromomethane

Concen: 57.945 ug/l

RT: 2.942 min Scan# 168

Delta R.T. 0.041 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 62292

Ion Ratio Lower Upper

94 100

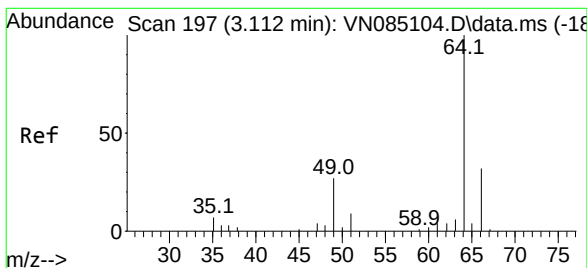
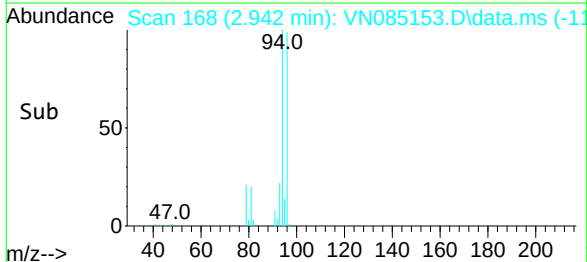
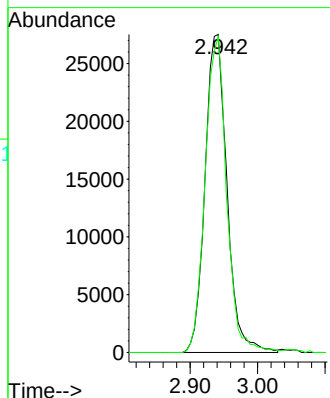
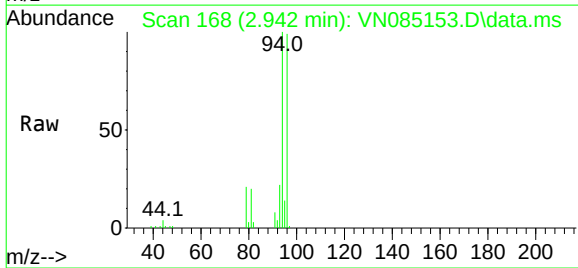
96 99.2 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 48.092 ug/l

RT: 3.106 min Scan# 196

Delta R.T. 0.041 min

Lab File: VN085153.D

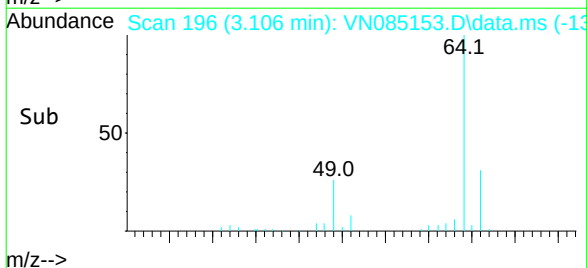
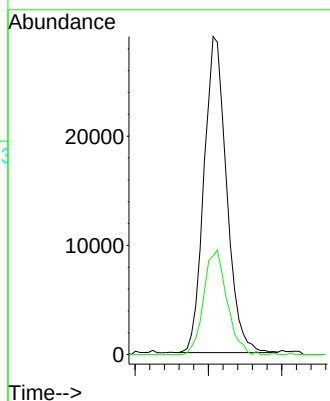
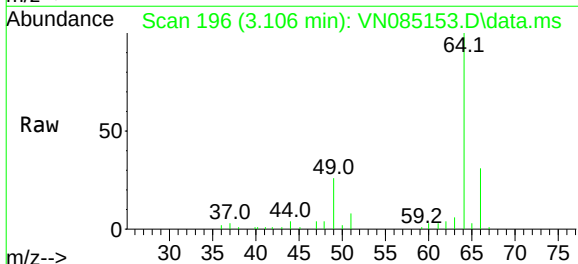
Acq: 09 Dec 2024 16:14

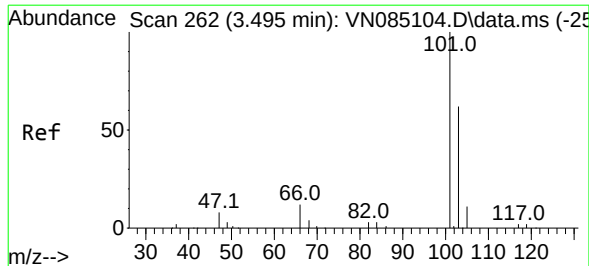
Tgt Ion: 64 Resp: 62173

Ion Ratio Lower Upper

64 100

66 31.2 24.4 36.6





#7

Trichlorofluoromethane

Concen: 53.383 ug/l

RT: 3.489 min Scan# 262

Delta R.T. 0.029 min

Lab File: VN085153.D

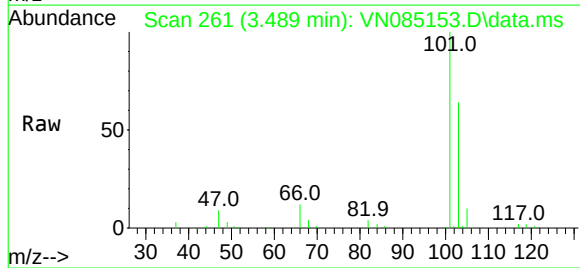
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion:101 Resp: 174174

Ion Ratio Lower Upper

101 100

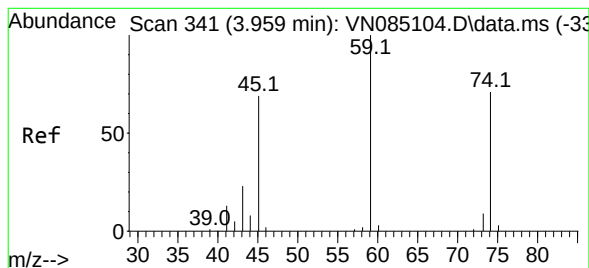
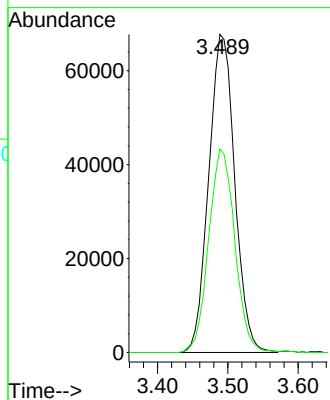
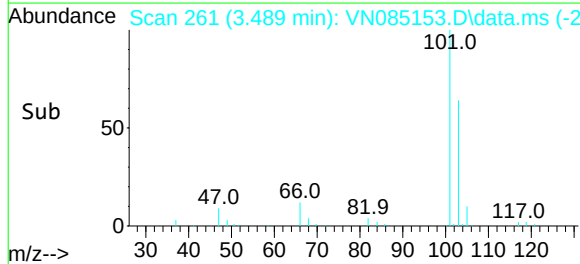
103 64.0 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#8

Diethyl Ether

Concen: 56.265 ug/l

RT: 3.953 min Scan# 340

Delta R.T. 0.006 min

Lab File: VN085153.D

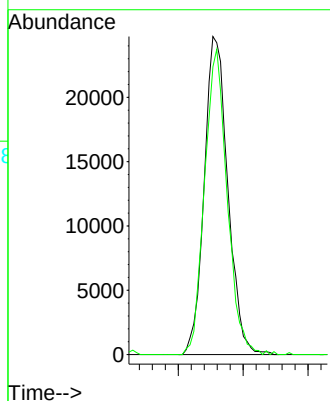
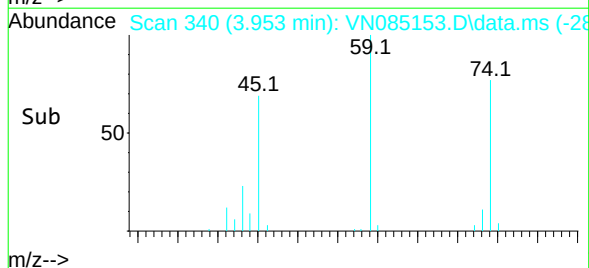
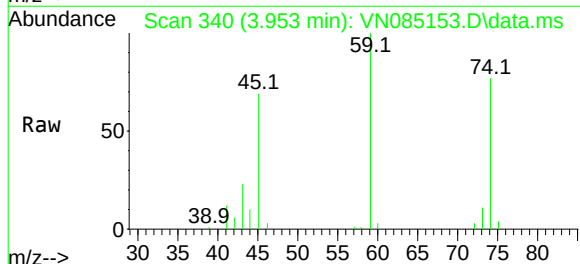
Acq: 09 Dec 2024 16:14

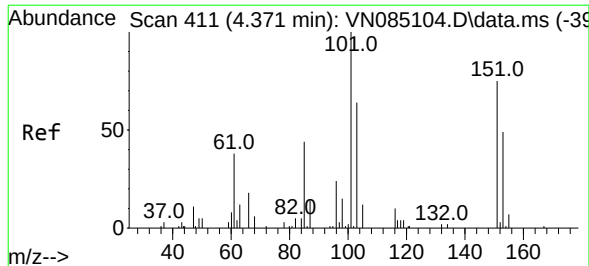
Tgt Ion: 74 Resp: 62482

Ion Ratio Lower Upper

74 100

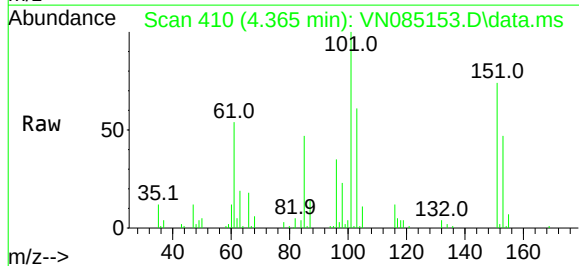
45 91.8 46.7 140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.976 ug/l
RT: 4.365 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

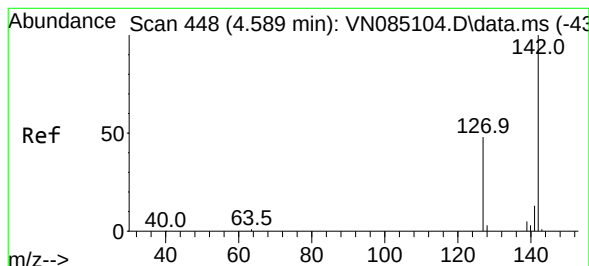
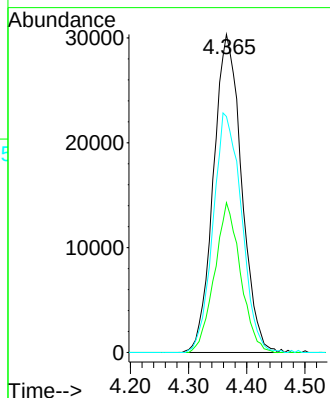
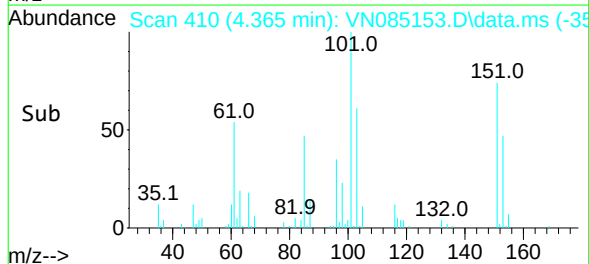
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



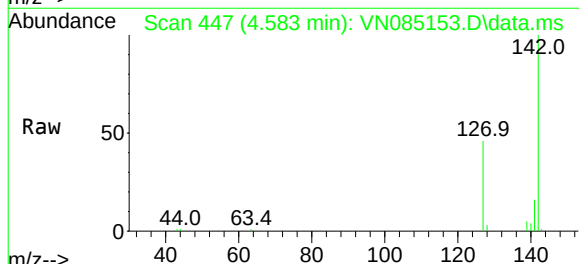
Tgt Ion:101 Resp: 101733
Ion Ratio Lower Upper
101 100
85 43.6 36.9 55.3
151 76.4 60.8 91.2

Manual Integrations
APPROVED

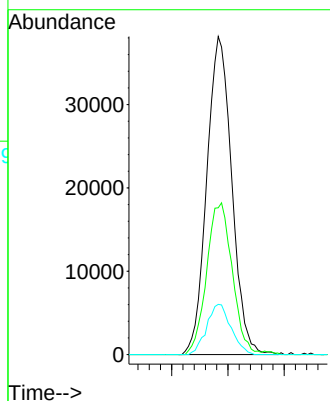
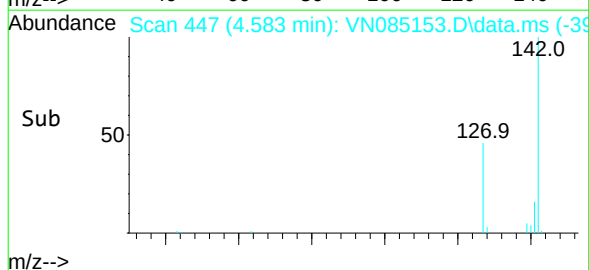
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

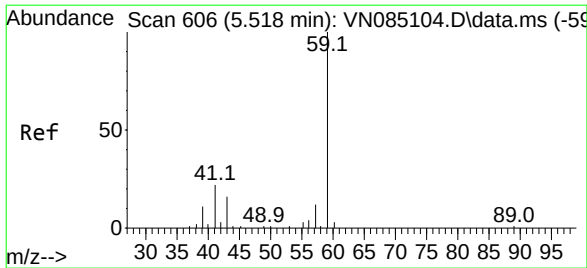


#10
Methyl Iodide
Concen: 48.159 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14



Tgt Ion:142 Resp: 117965
Ion Ratio Lower Upper
142 100
127 46.2 36.6 54.8
141 15.8 12.2 18.4





#11

Tert butyl alcohol

Concen: 328.103 ug/l

RT: 5.524 min Scan# 606

Delta R.T. -0.018 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 101635

Ion Ratio Lower Upper

59 100

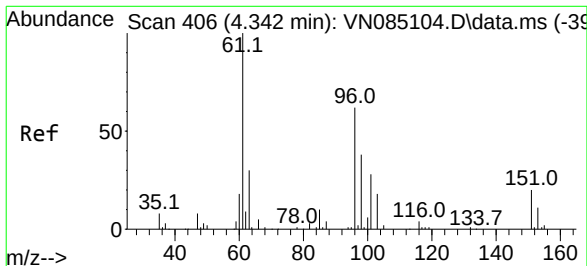
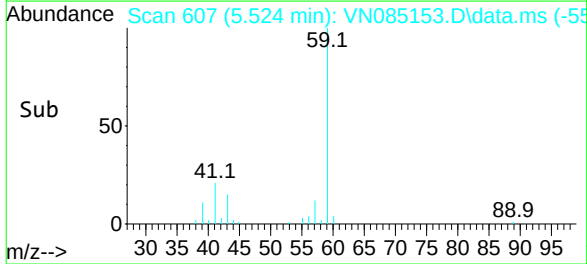
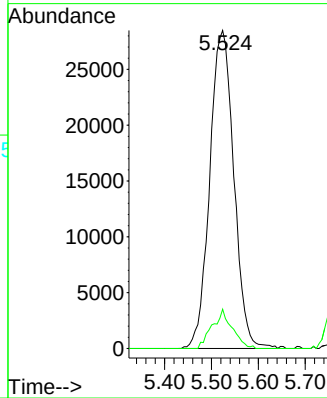
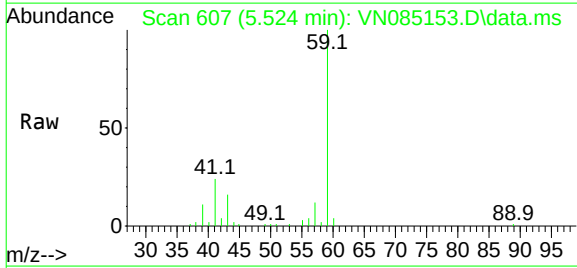
57 10.2 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 53.819 ug/l

RT: 4.336 min Scan# 405

Delta R.T. 0.017 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

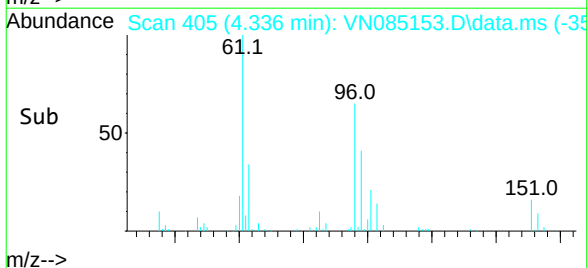
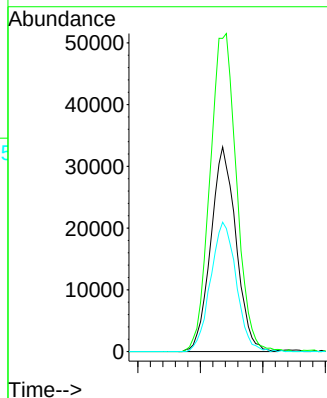
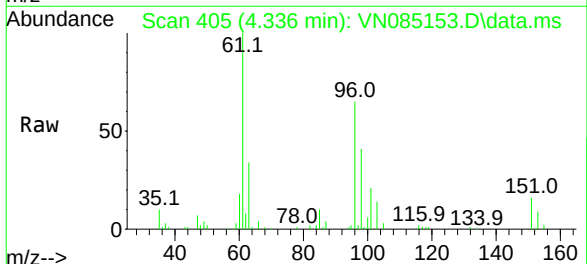
Tgt Ion: 96 Resp: 92960

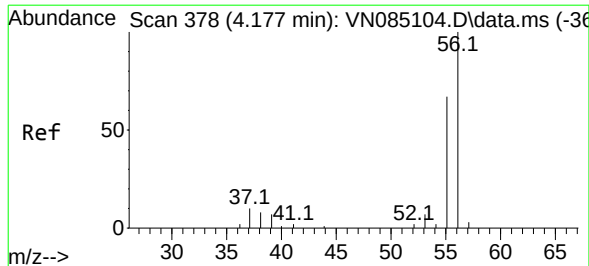
Ion Ratio Lower Upper

96 100

61 153.1 127.8 191.8

98 63.2 49.2 73.8





#13

Acrolein

Concen: 334.634 ug/l

RT: 4.177 min Scan# 37

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 69168

Ion Ratio Lower Upper

56 100

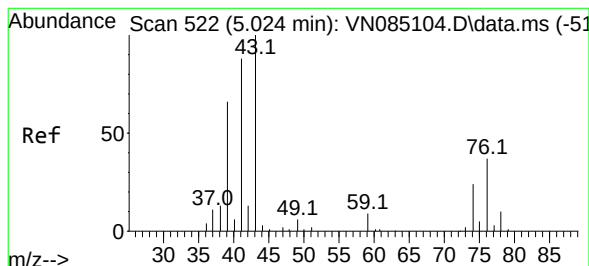
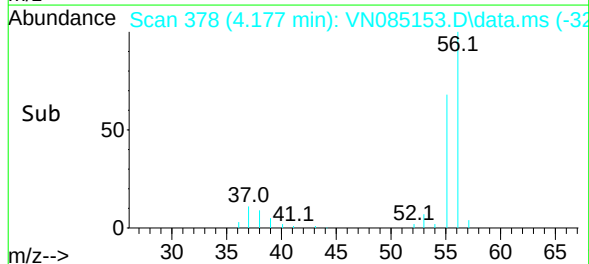
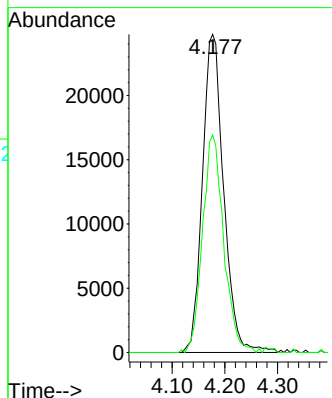
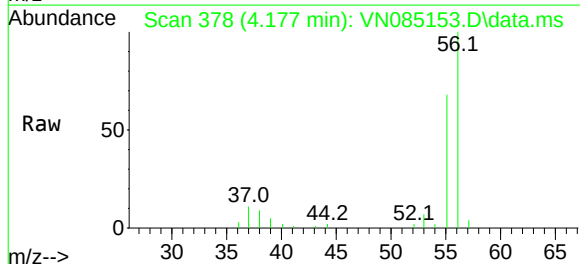
55 68.1 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 48.822 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

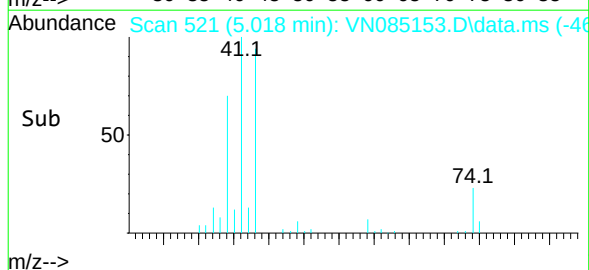
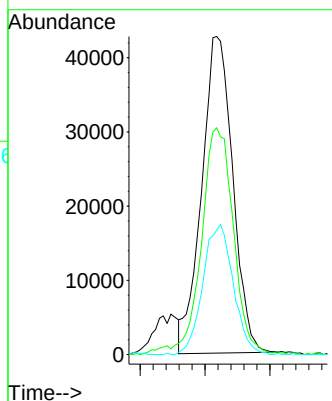
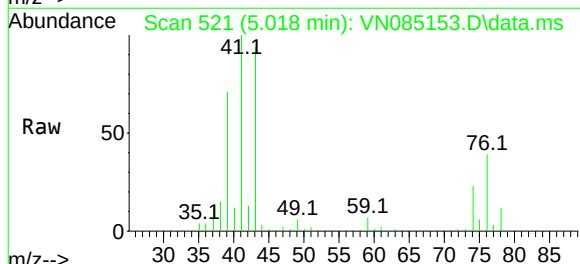
Tgt Ion: 41 Resp: 142160

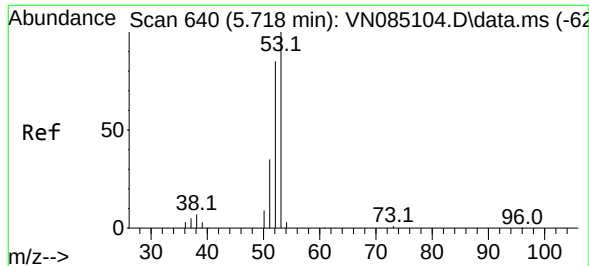
Ion Ratio Lower Upper

41 100

39 73.9 53.8 80.8

76 40.0 29.3 43.9





#15

Acrylonitrile

Concen: 300.877 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

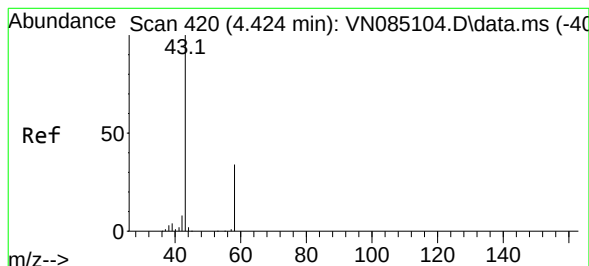
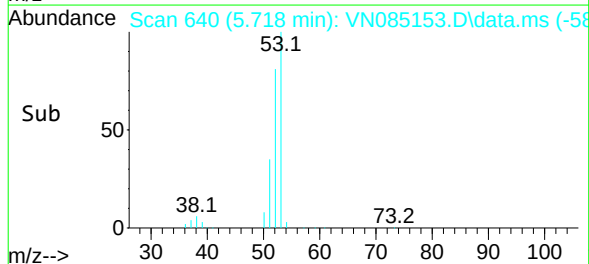
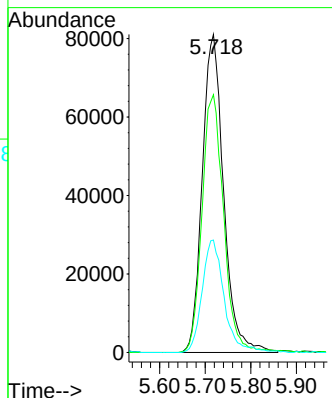
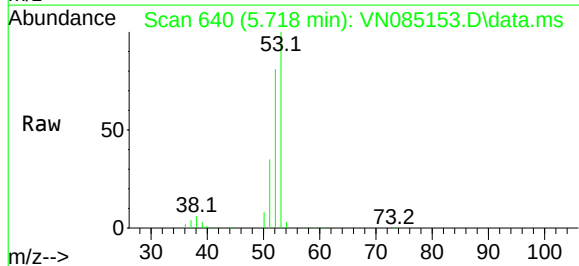
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	263867
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.3	28.4	42.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 370.827 ug/l

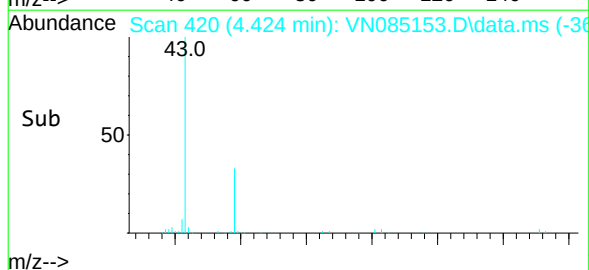
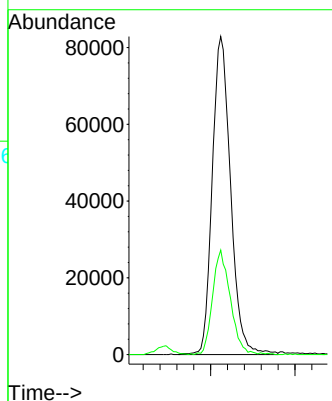
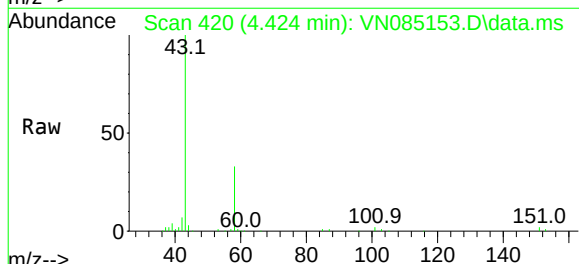
RT: 4.424 min Scan# 420

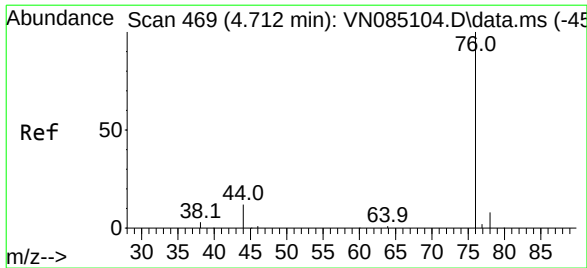
Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion:	43	Resp:	250348
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.4	38.2





#17

Carbon Disulfide

Concen: 48.964 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 249632

Ion Ratio Lower Upper

76 100

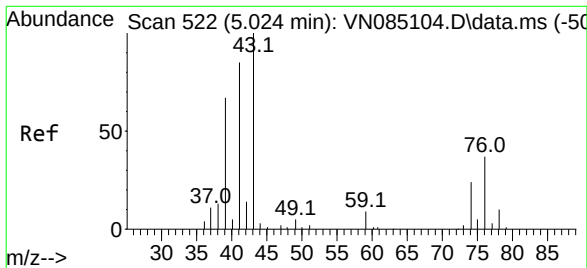
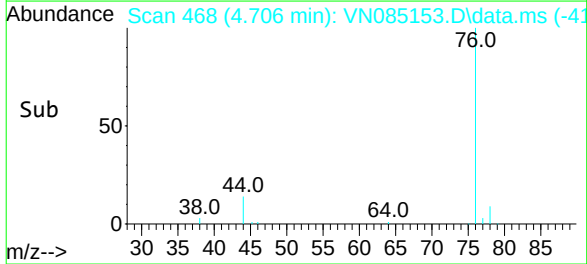
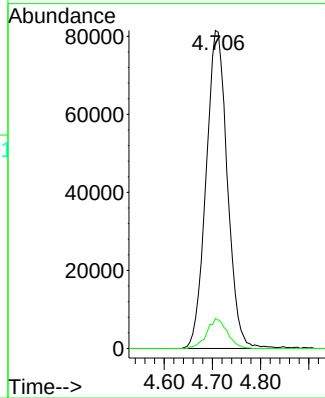
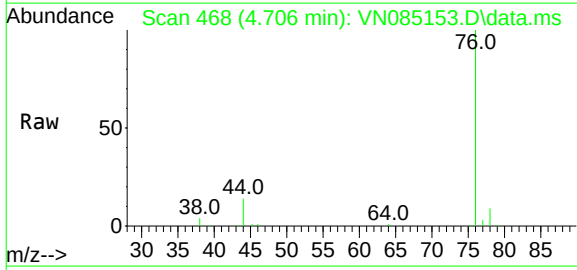
78 9.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 60.073 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085153.D

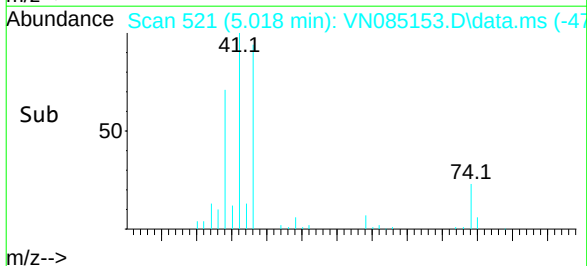
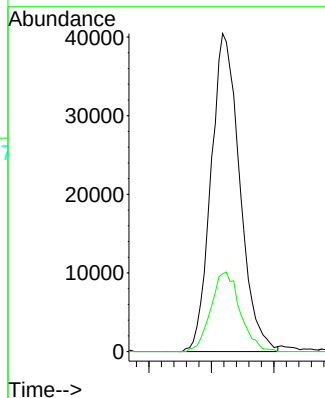
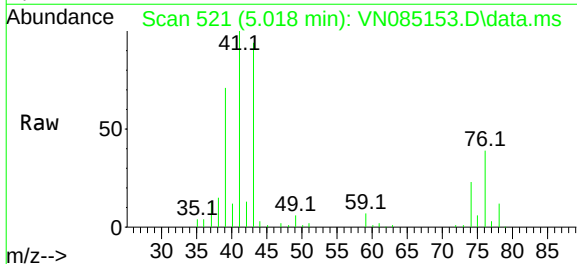
Acq: 09 Dec 2024 16:14

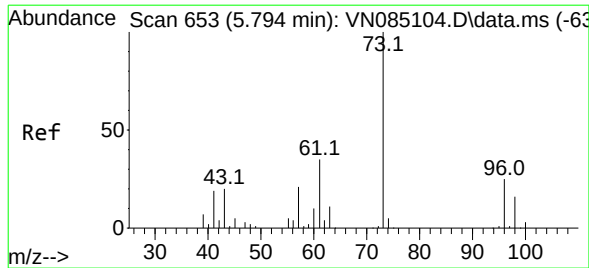
Tgt Ion: 43 Resp: 129127

Ion Ratio Lower Upper

43 100

74 25.5 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 58.641 ug/l

RT: 5.794 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 330945

Ion Ratio Lower Upper

73 100

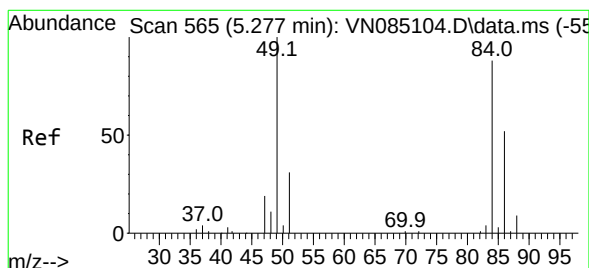
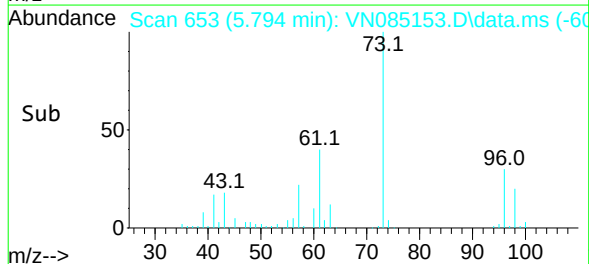
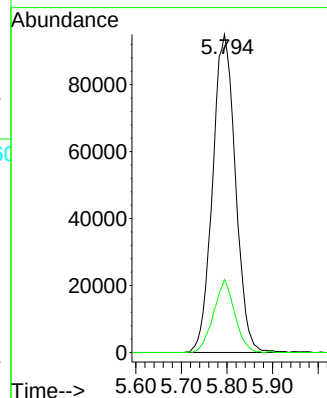
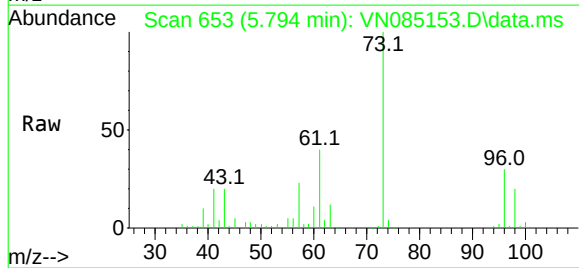
57 22.9 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 53.113 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 84 Resp: 109418

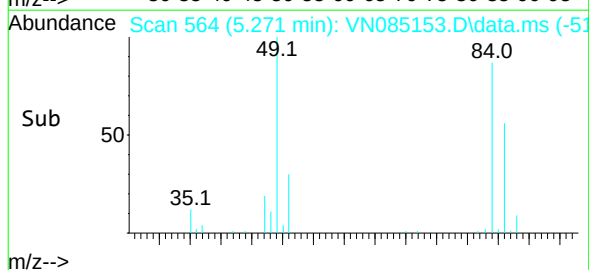
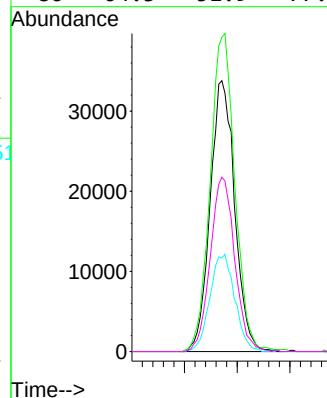
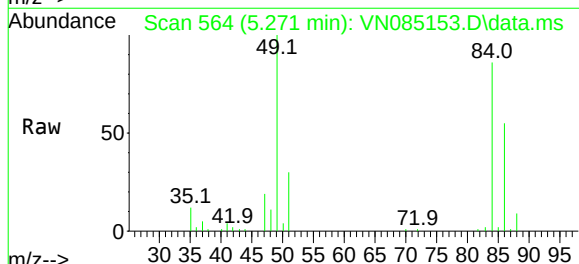
Ion Ratio Lower Upper

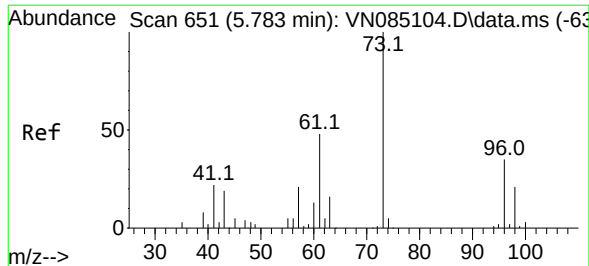
84 100

49 116.0 92.7 139.1

51 34.6 29.4 44.2

86 64.3 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 54.029 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.012 min

Lab File: VN085153.D

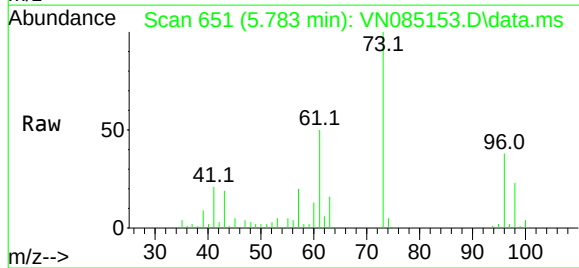
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 96 Resp: 98207

Ion Ratio Lower Upper

96 100

61 131.8 100.7 151.1

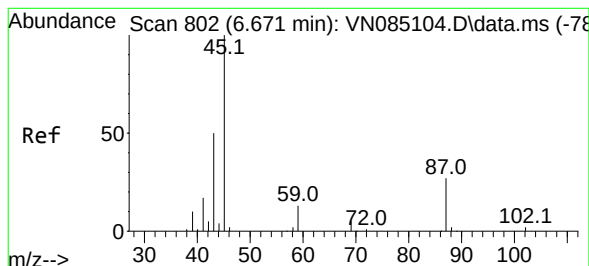
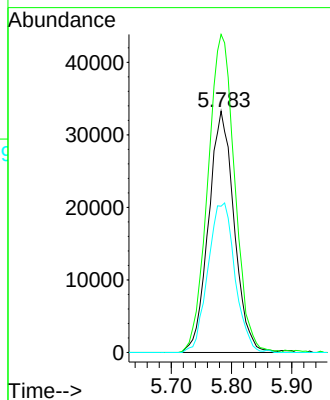
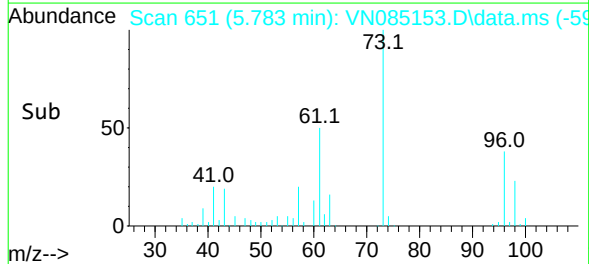
98 60.6 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

Concen: 55.815 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 45 Resp: 327105

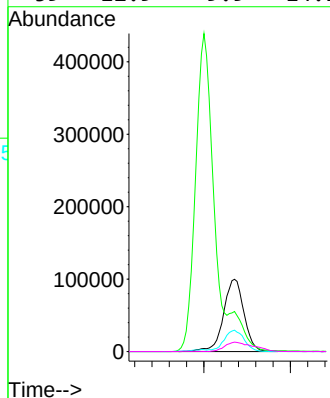
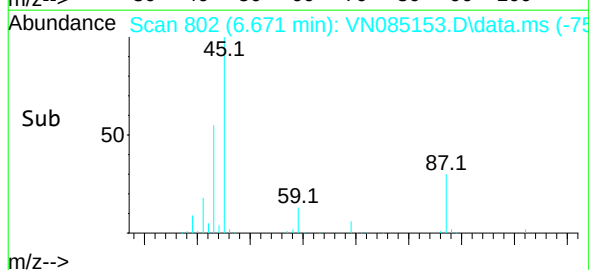
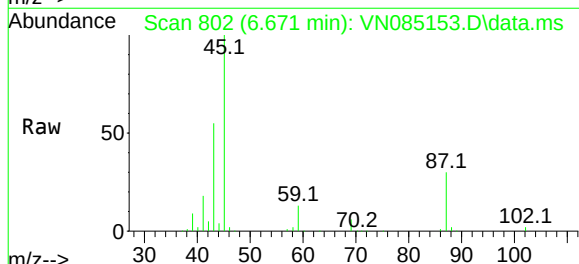
Ion Ratio Lower Upper

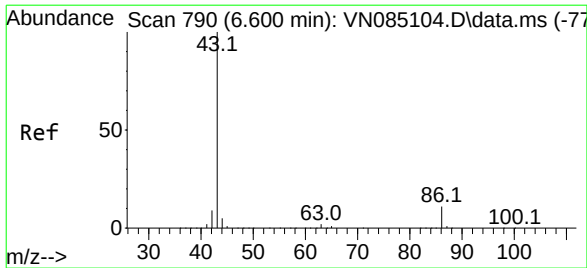
45 100

43 54.5 42.7 64.1

87 29.5 22.6 34.0

59 12.9 9.9 14.9





#23

Vinyl Acetate

Concen: 305.508 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1235181

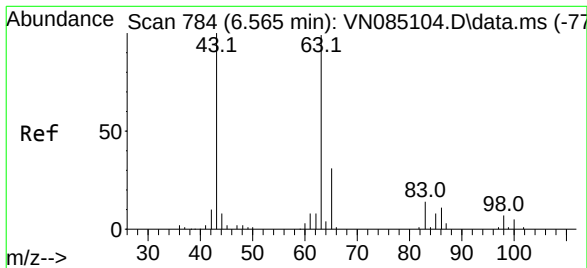
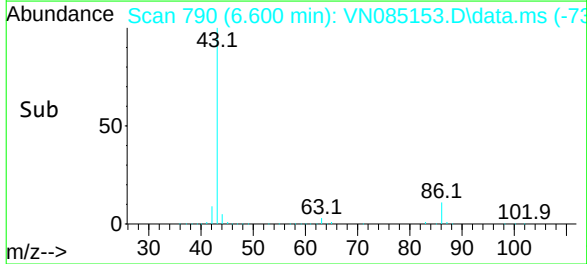
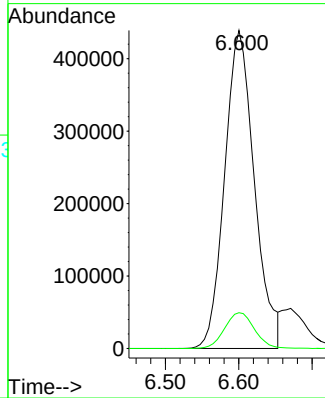
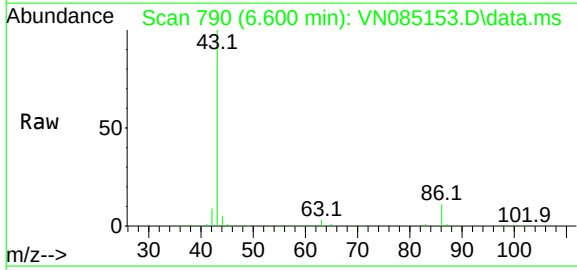
Ion	Ratio	Lower	Upper
43	100		
86	11.2	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 54.999 ug/l

RT: 6.565 min Scan# 784

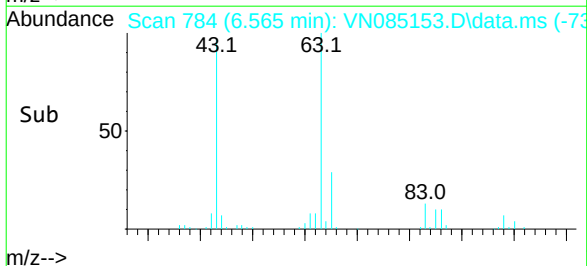
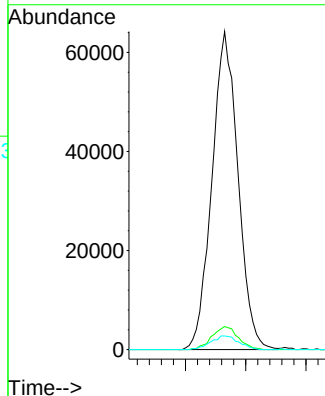
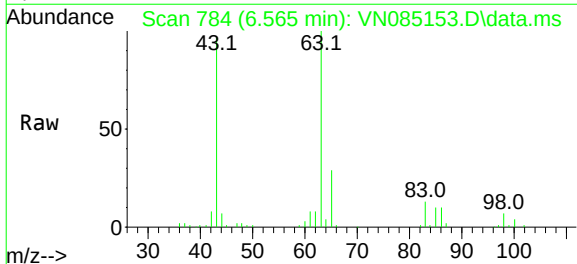
Delta R.T. 0.012 min

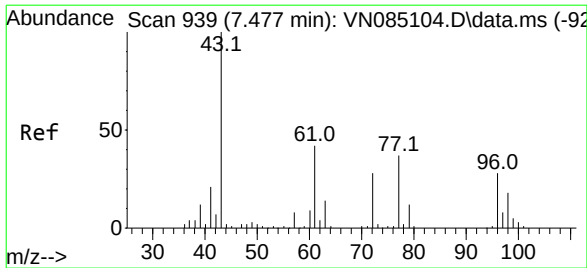
Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 192887

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.8
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 322.655 ug/l

RT: 7.483 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 356129

Ion Ratio Lower Upper

43 100

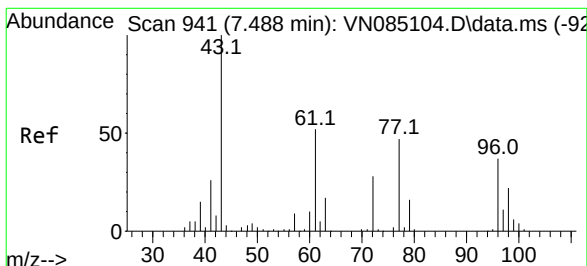
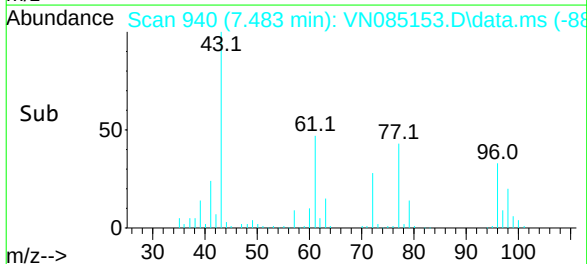
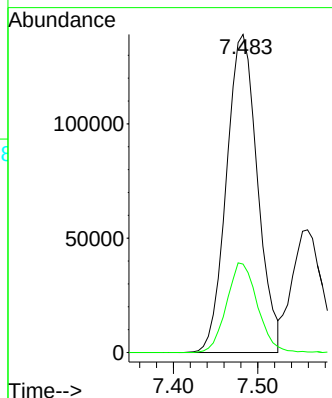
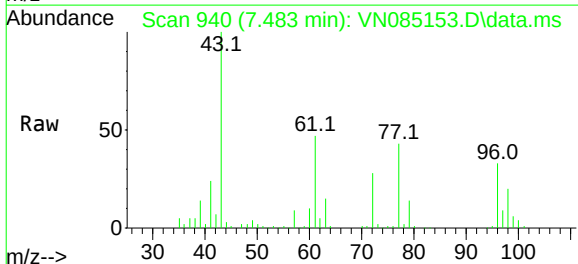
72 27.8 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 54.775 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN085153.D

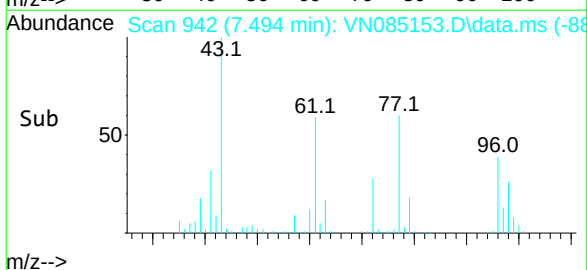
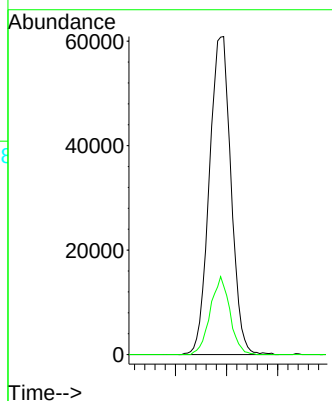
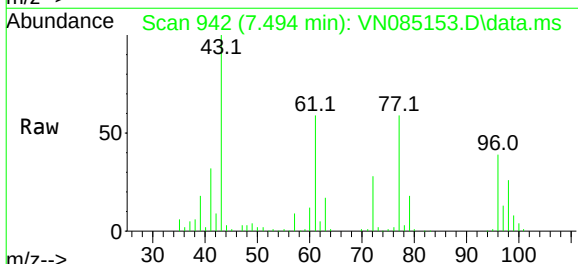
Acq: 09 Dec 2024 16:14

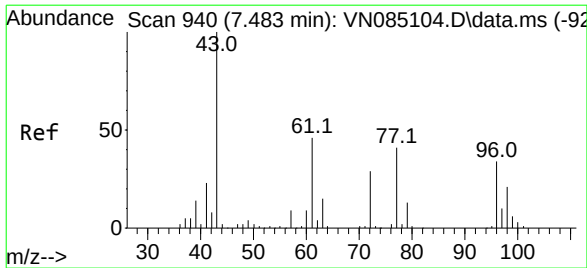
Tgt Ion: 77 Resp: 179376

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 56.300 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 123370

Ion Ratio Lower Upper

96 100

61 145.1 0.0 291.6

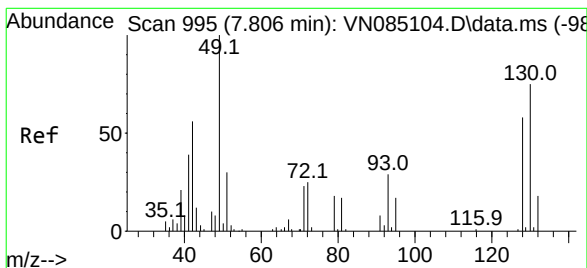
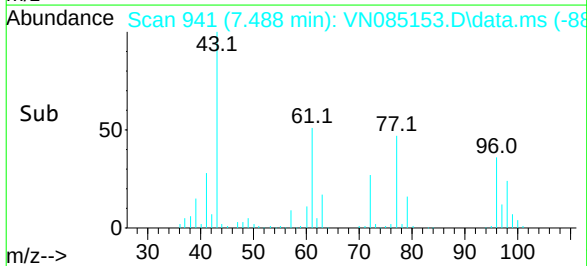
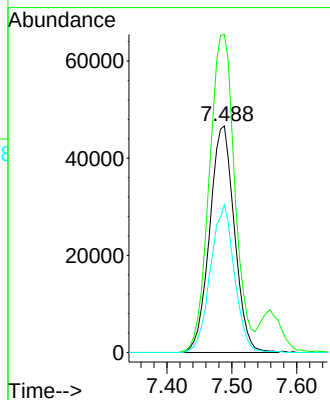
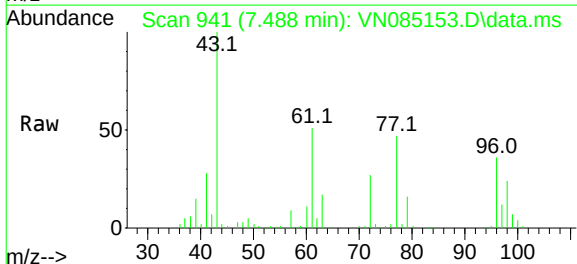
98 63.3 0.0 129.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#28

Bromochloromethane

Concen: 43.360 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

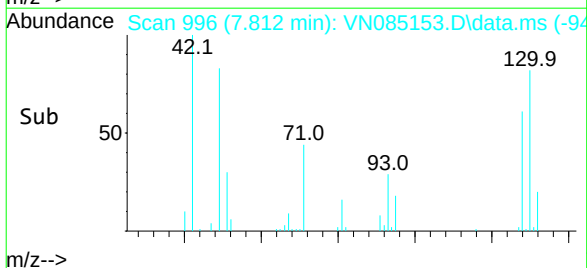
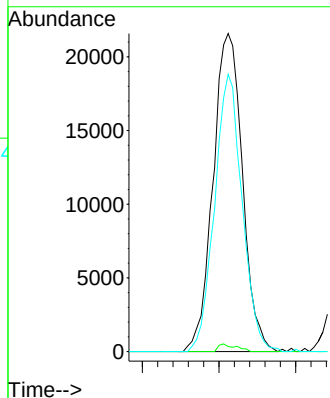
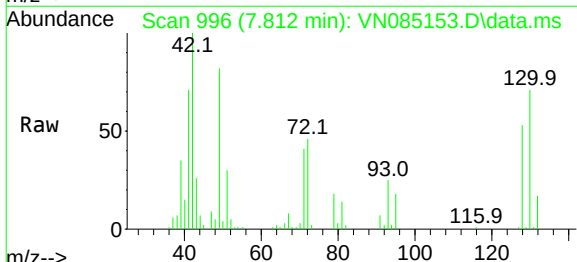
Tgt Ion: 49 Resp: 57402

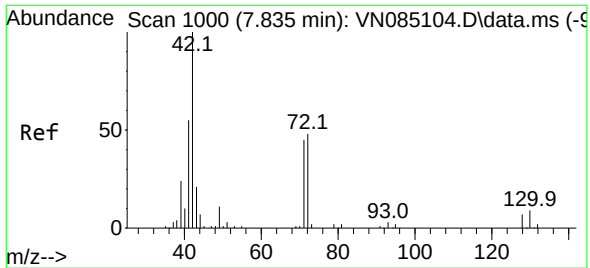
Ion Ratio Lower Upper

49 100

129 1.4 0.0 4.0

130 81.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 325.304 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 223283

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.4

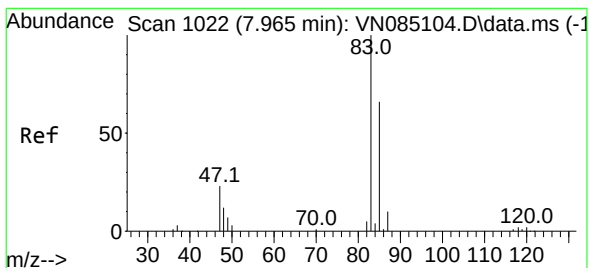
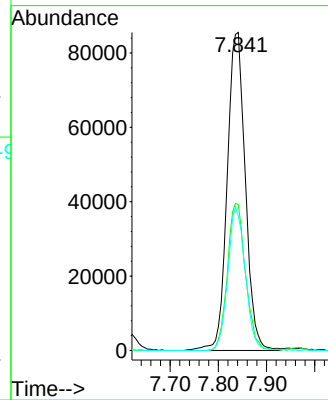
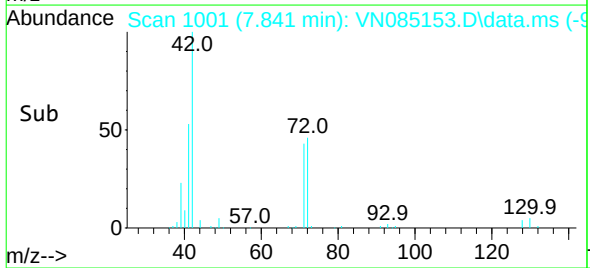
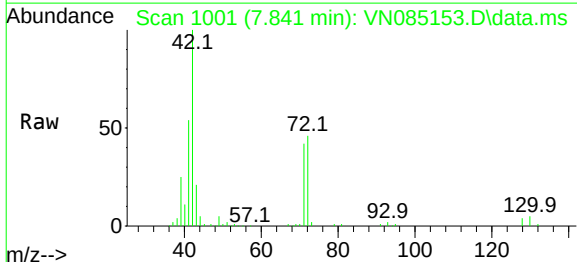
71 43.1 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 55.353 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085153.D

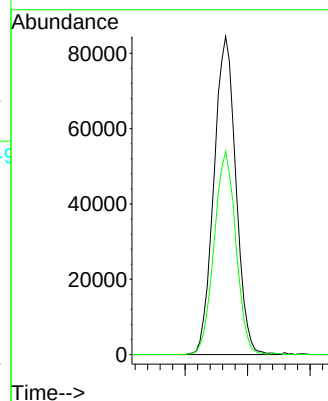
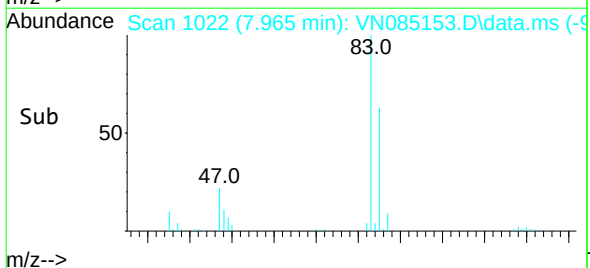
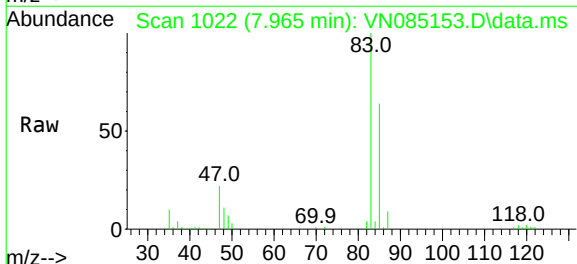
Acq: 09 Dec 2024 16:14

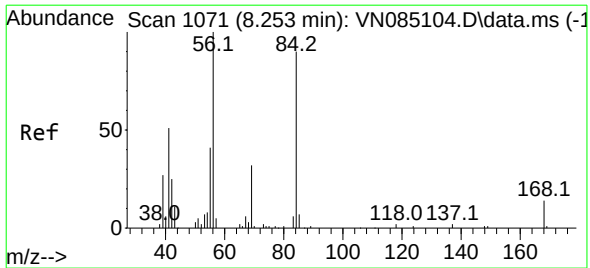
Tgt Ion: 83 Resp: 206502

Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8





#31

Cyclohexane

Concen: 50.369 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 155530

Ion Ratio Lower Upper

56 100

69 32.4 24.6 36.8

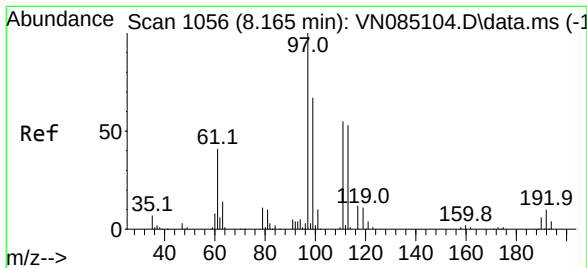
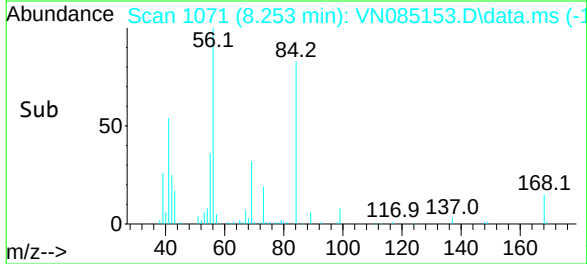
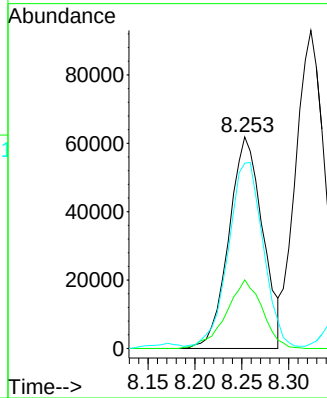
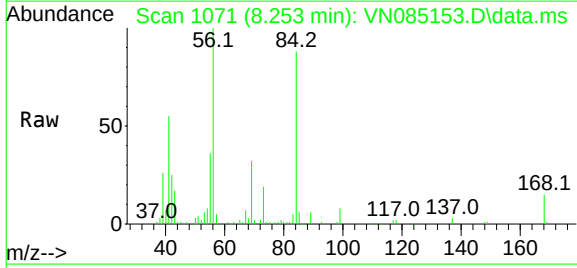
84 85.9 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 55.230 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

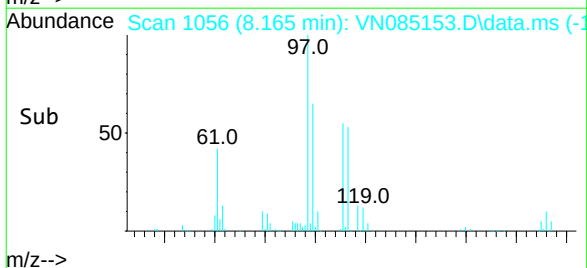
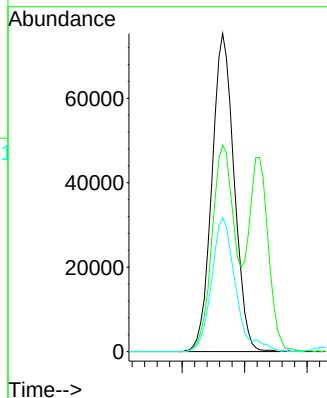
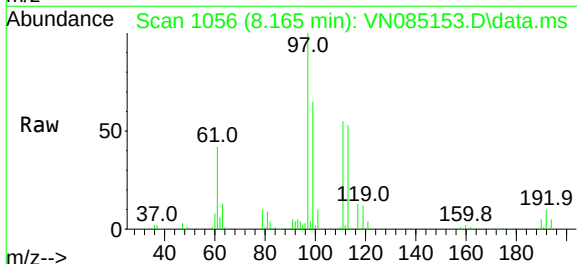
Tgt Ion: 97 Resp: 186189

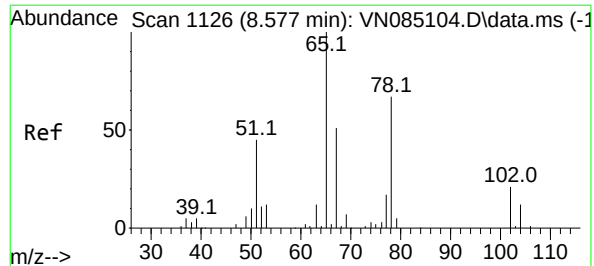
Ion Ratio Lower Upper

97 100

99 65.9 51.0 76.4

61 45.4 36.2 54.2





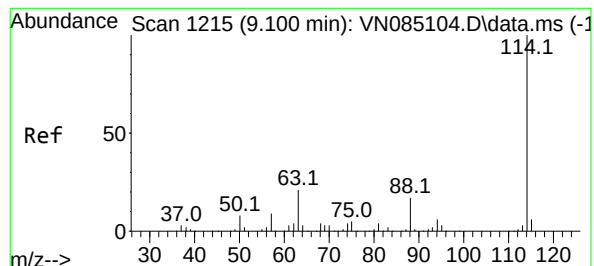
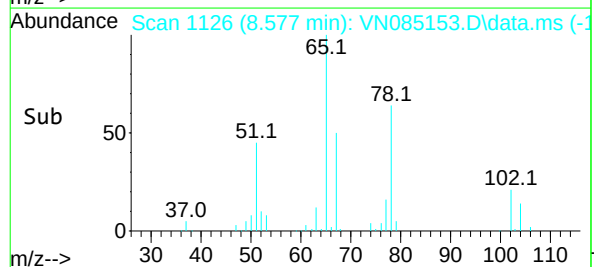
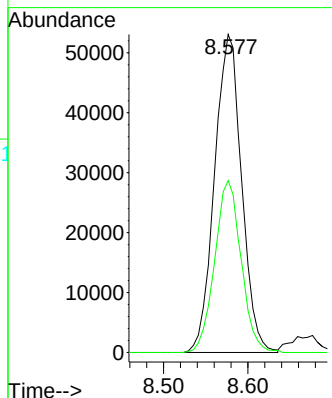
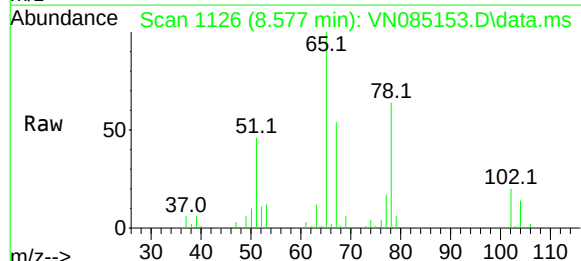
#33
1,2-Dichloroethane-d4
Concen: 51.000 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 118220
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0

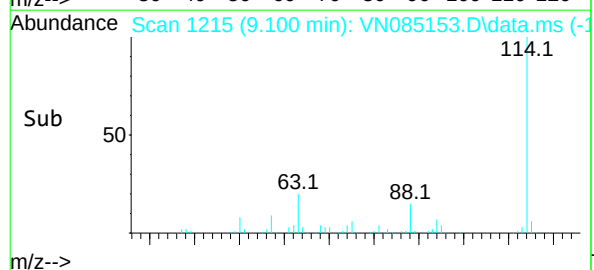
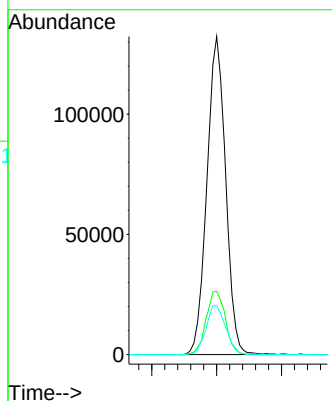
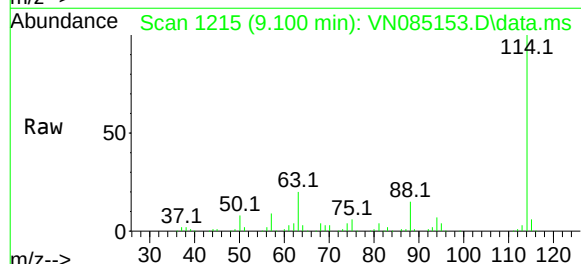
Manual Integrations
APPROVED

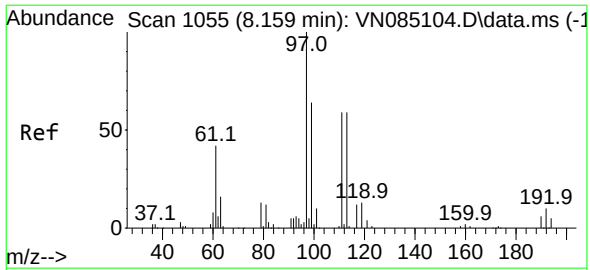
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:114 Resp: 265150
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.613 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085153.D

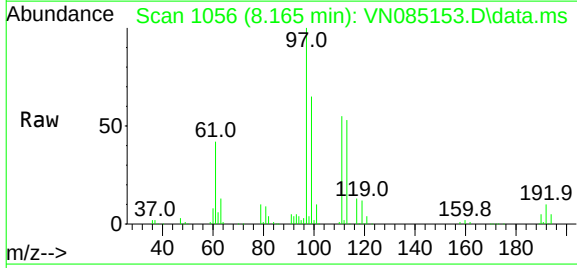
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 113 Resp: 95864

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

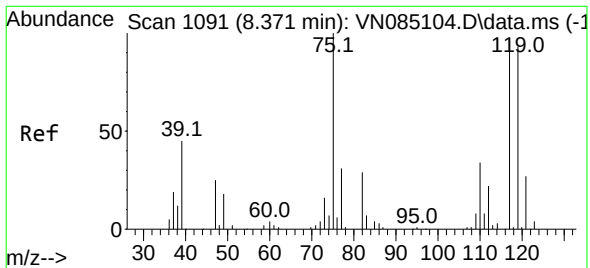
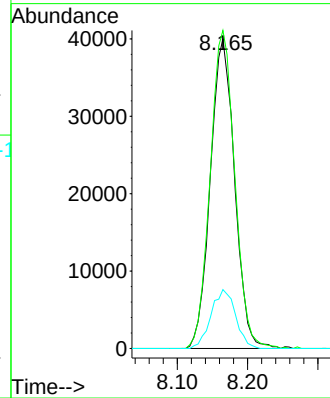
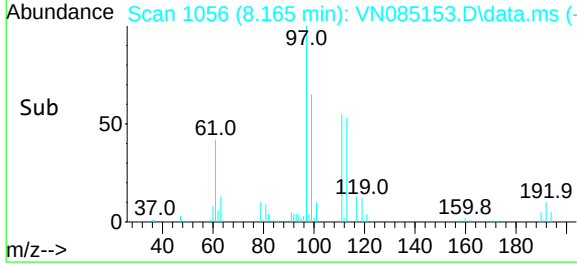
192 19.2 14.8 22.2

Manual Integrations

APPROVED

Reviewed By : John Carlone 12/10/2024

Supervised By : Mahesh Dadoda 12/10/2024



#36

1,1-Dichloropropene

Concen: 57.518 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

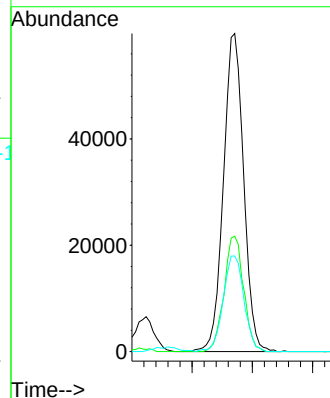
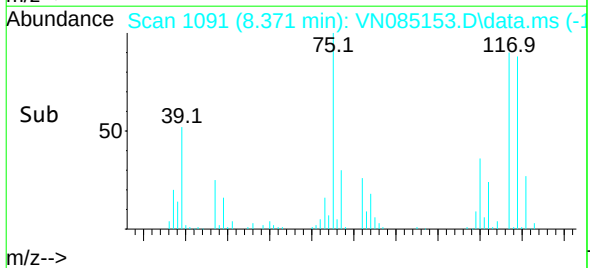
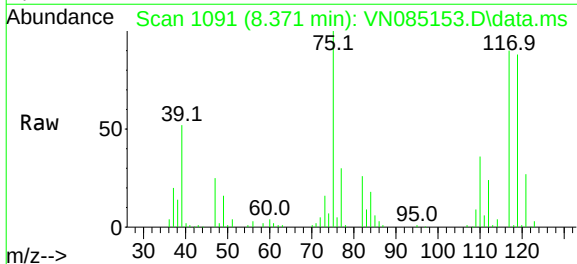
Tgt Ion: 75 Resp: 139304

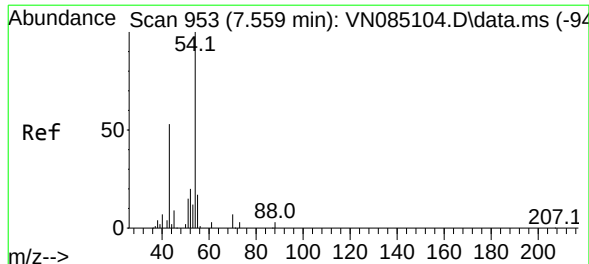
Ion Ratio Lower Upper

75 100

110 35.1 17.2 51.6

77 31.0 24.2 36.4





#37

Ethyl Acetate

Concen: 62.778 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 138225

Ion Ratio Lower Upper

43 100

61 13.9 11.7 17.5

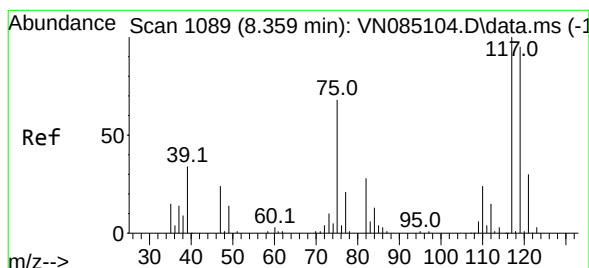
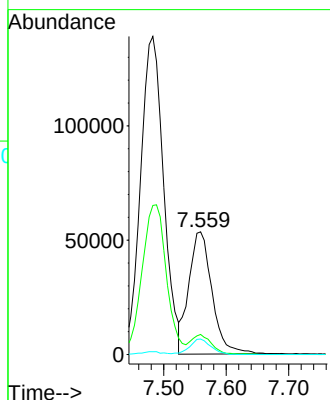
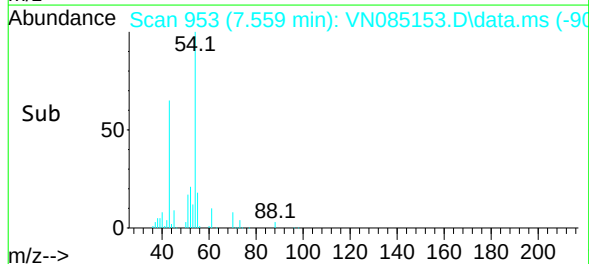
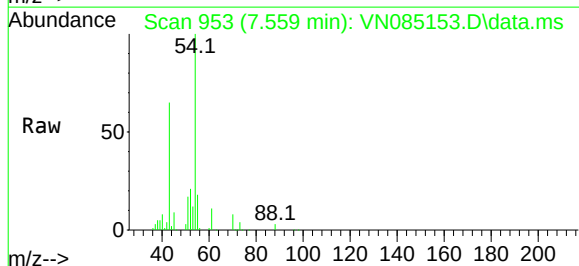
70 11.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 59.696 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

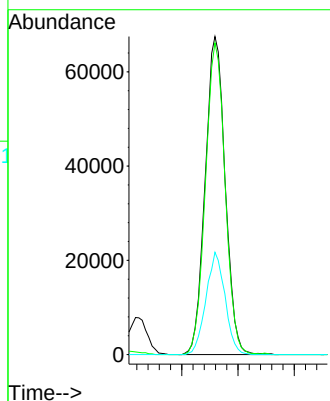
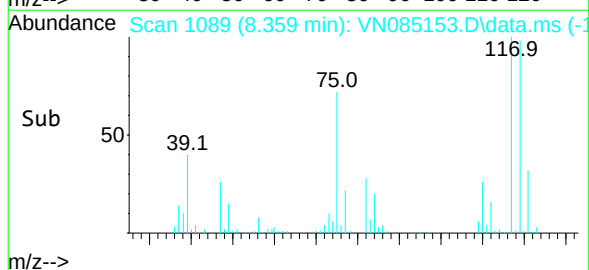
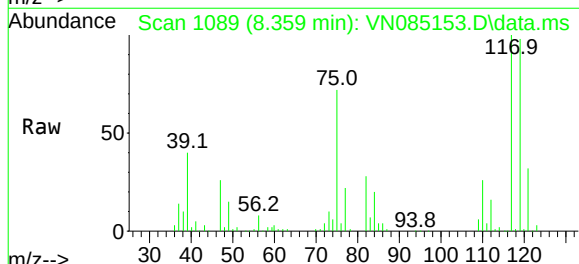
Tgt Ion:117 Resp: 166889

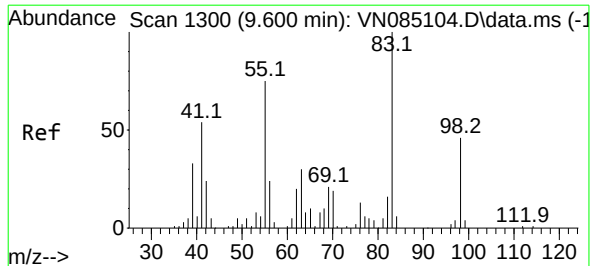
Ion Ratio Lower Upper

117 100

119 98.0 78.6 117.8

121 32.2 24.2 36.2





#39

Methylcyclohexane

Concen: 60.980 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 153471

Ion Ratio Lower Upper

83 100

55 73.6 61.8 92.6

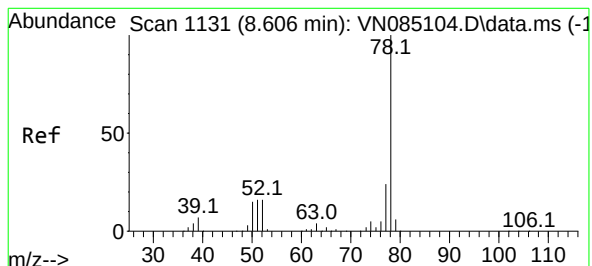
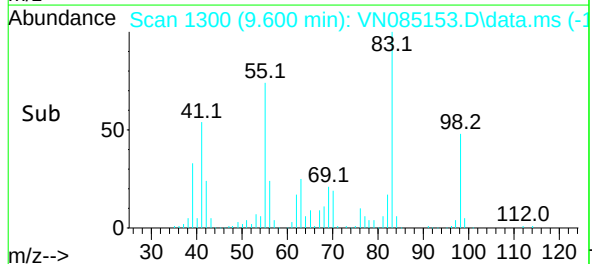
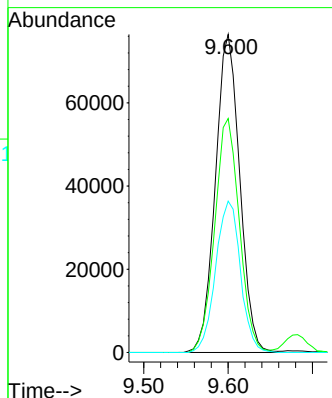
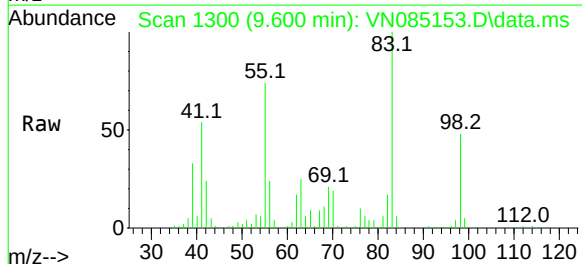
98 47.6 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 55.734 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085153.D

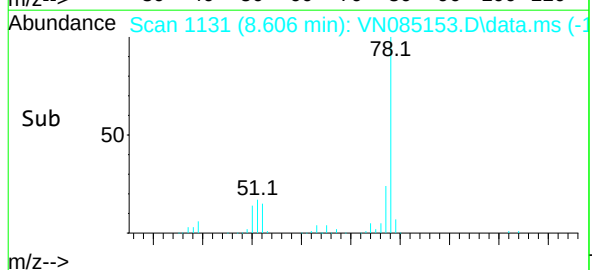
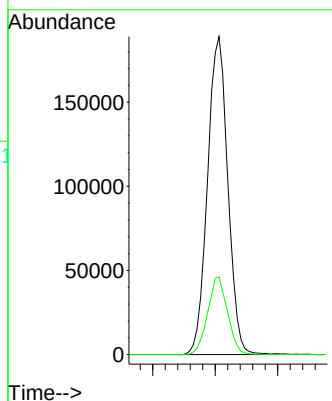
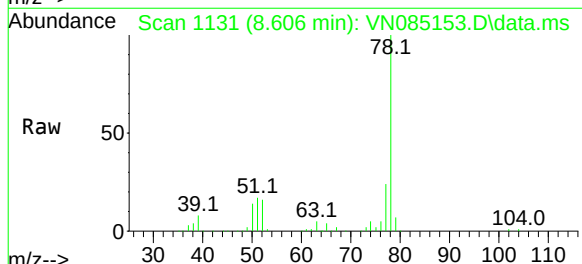
Acq: 09 Dec 2024 16:14

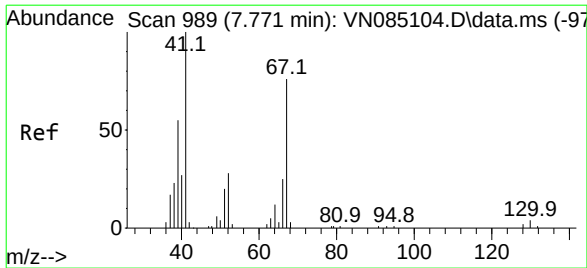
Tgt Ion: 78 Resp: 426932

Ion Ratio Lower Upper

78 100

77 24.4 18.5 27.7





#41

Methacrylonitrile

Concen: 60.938 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 74288

Ion Ratio Lower Upper

41 100

39 56.4 42.6 63.8

67 76.1 59.9 89.9

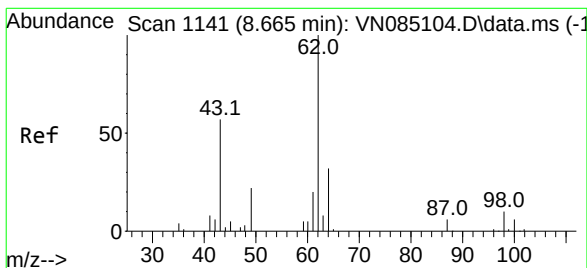
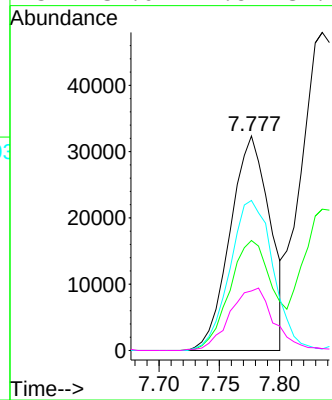
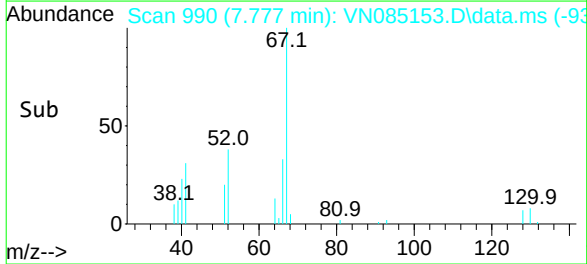
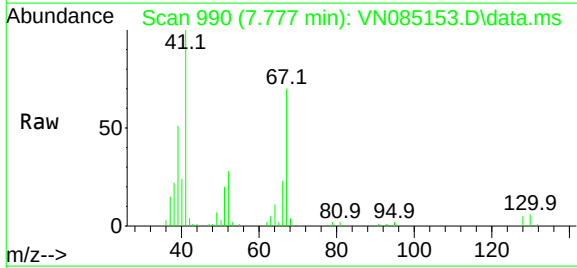
52 32.6 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 59.637 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085153.D

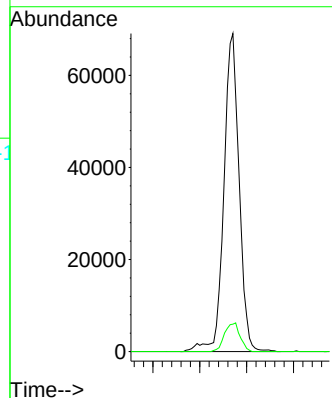
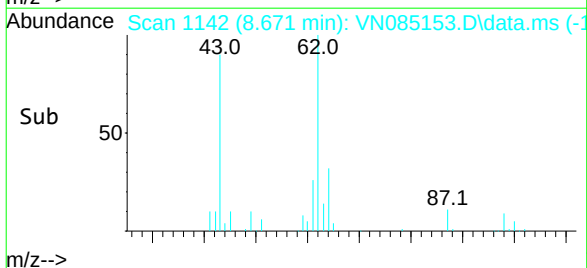
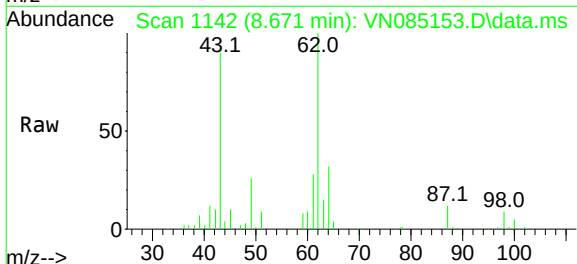
Acq: 09 Dec 2024 16:14

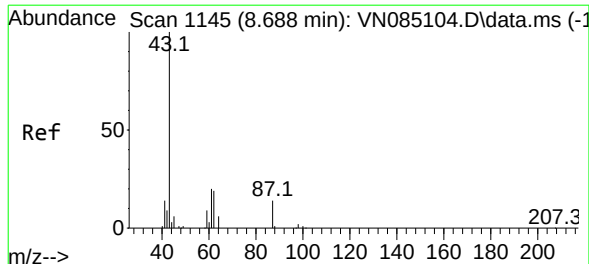
Tgt Ion: 62 Resp: 156285

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.2





#43

Isopropyl Acetate

Concen: 59.842 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085153.D

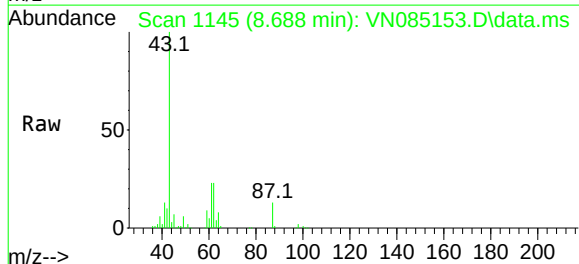
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 43 Resp: 273688

Ion Ratio Lower Upper

43 100

61 23.4 20.6 30.8

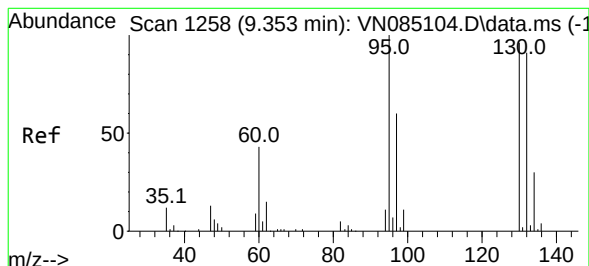
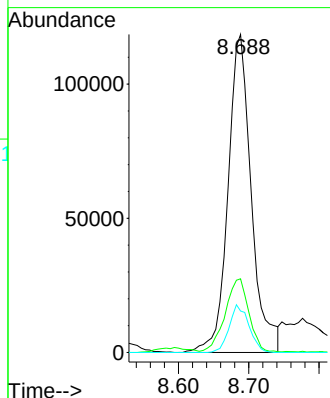
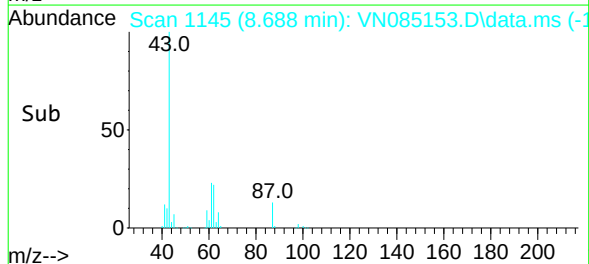
87 12.7 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

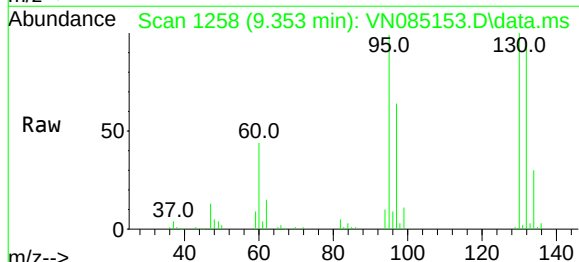
Concen: 58.195 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

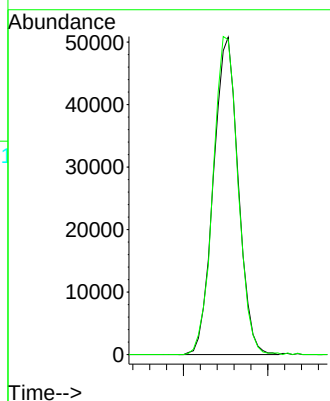
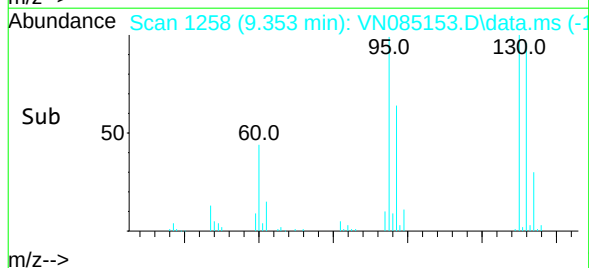


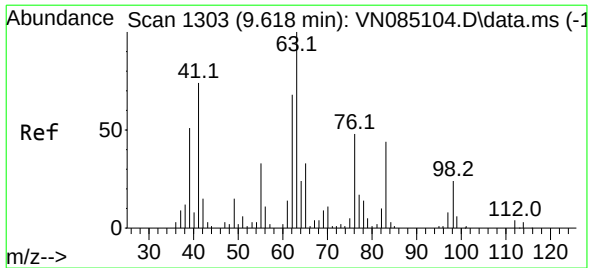
Tgt Ion:130 Resp: 103598

Ion Ratio Lower Upper

130 100

95 99.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 57.347 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 108197

Ion Ratio Lower Upper

63 100

65 33.2 24.0 36.0

Instrument :

MSVOA_N

ClientSampleId :

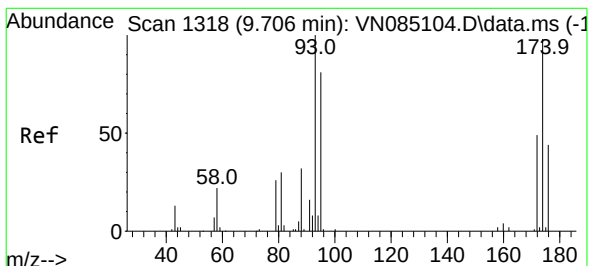
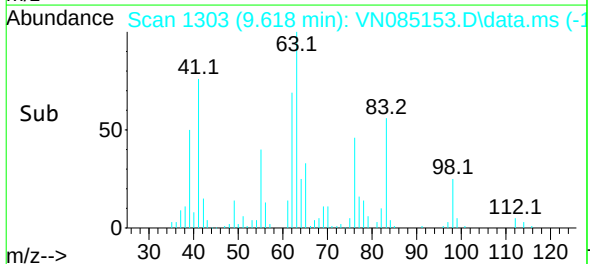
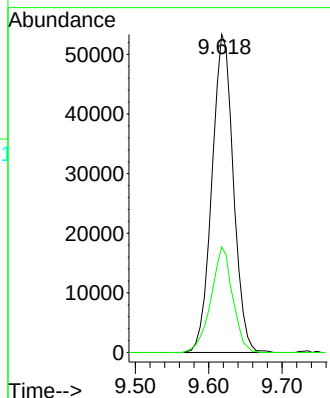
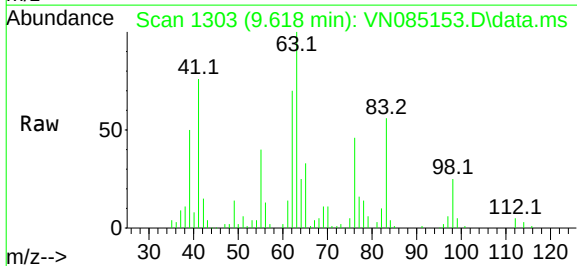
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 59.757 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

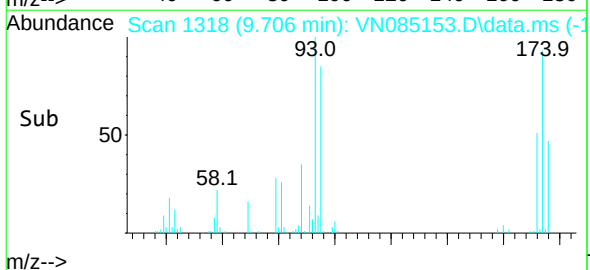
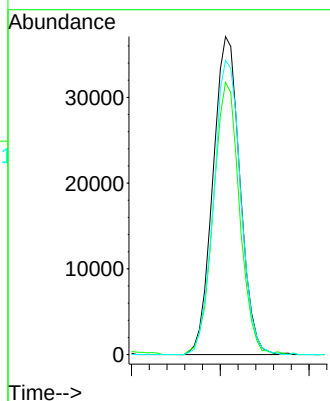
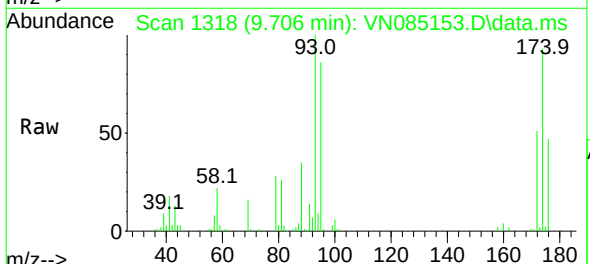
Tgt Ion: 93 Resp: 78342

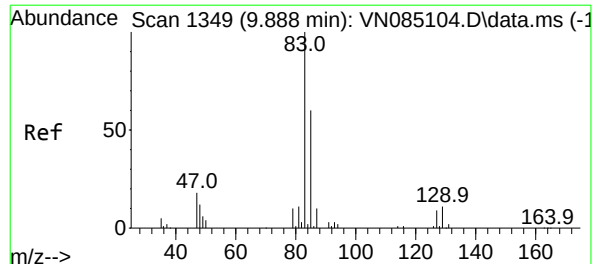
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 92.3 74.9 112.3





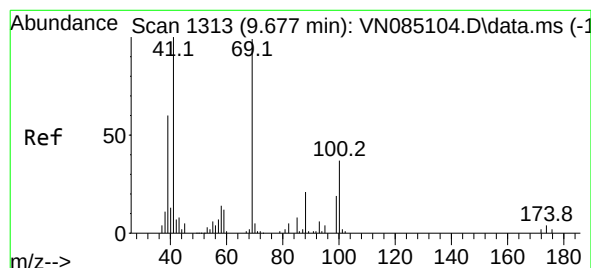
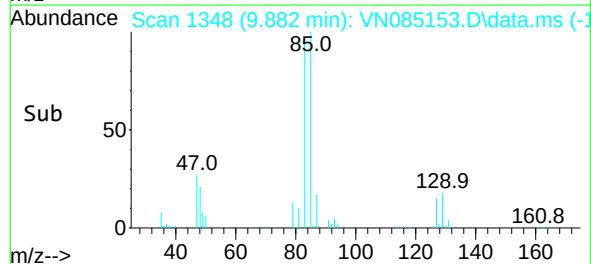
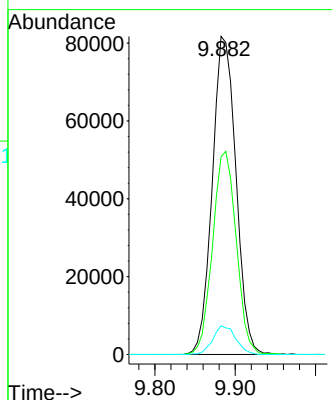
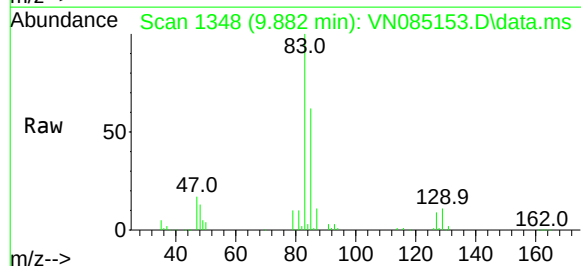
#47
Bromodichloromethane
Concen: 60.258 ug/l
RT: 9.882 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 167432
Ion Ratio Lower Upper
83 100
85 62.2 50.5 75.7
127 9.0 7.1 10.7

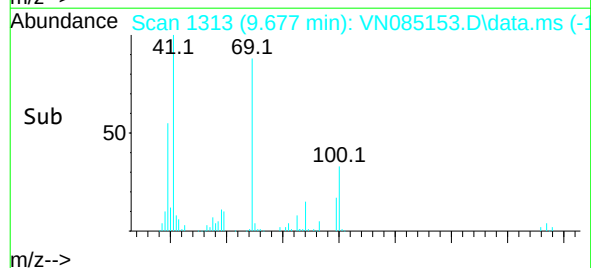
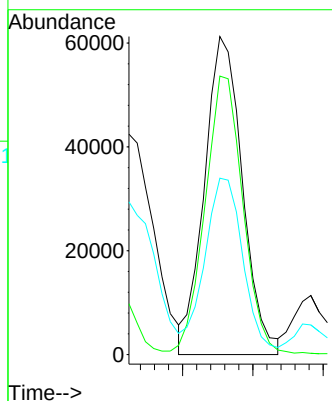
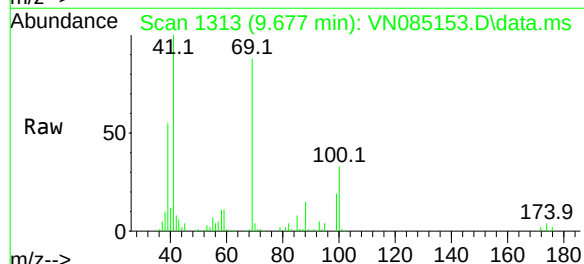
Manual Integrations
APPROVED

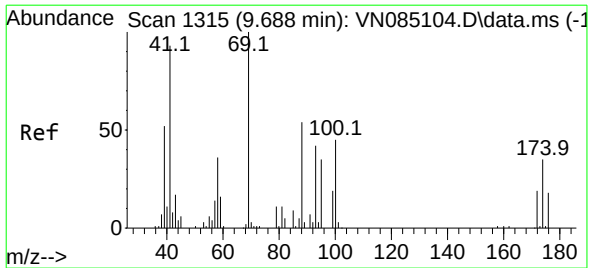
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48
Methyl methacrylate
Concen: 67.720 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 115253
Ion Ratio Lower Upper
41 100
69 87.7 73.2 109.8
39 56.4 46.2 69.4





#49

1,4-Dioxane

Concen: 1457.126 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085153.D

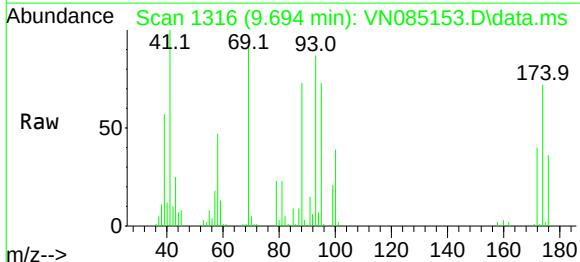
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 88 Resp: 43006

Ion Ratio Lower Upper

88 100

43 28.5 16.7 25.1

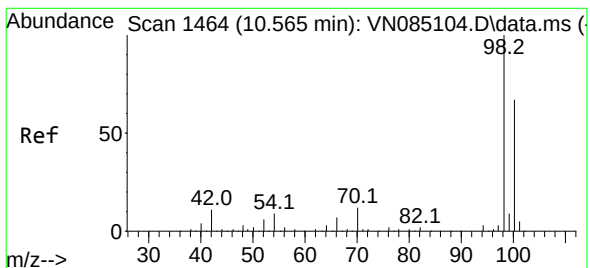
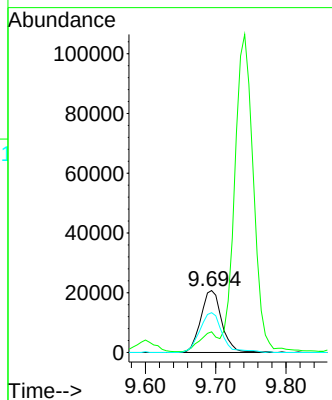
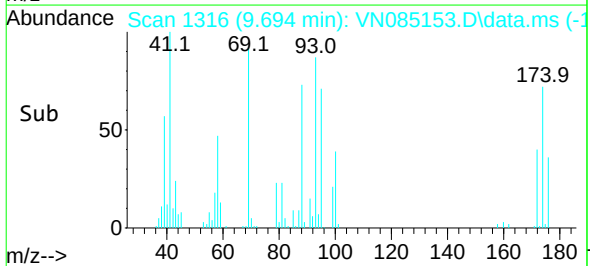
58 68.4 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 53.987 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085153.D

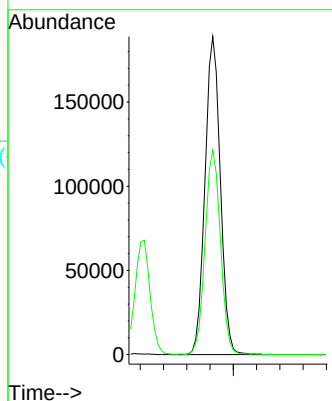
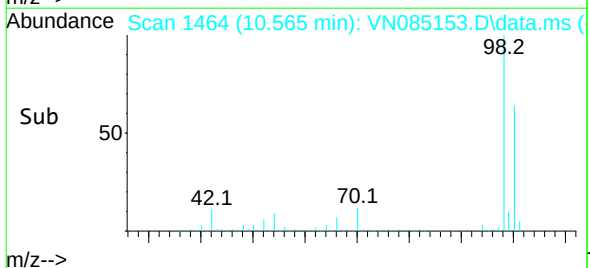
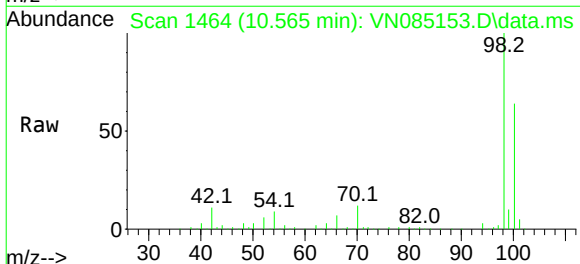
Acq: 09 Dec 2024 16:14

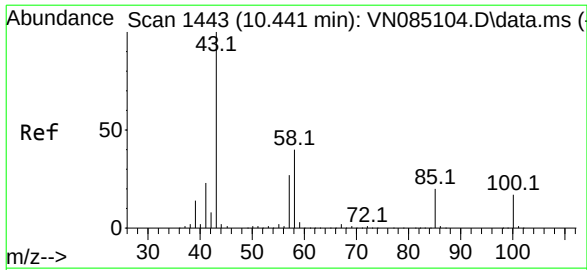
Tgt Ion: 98 Resp: 345955

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7





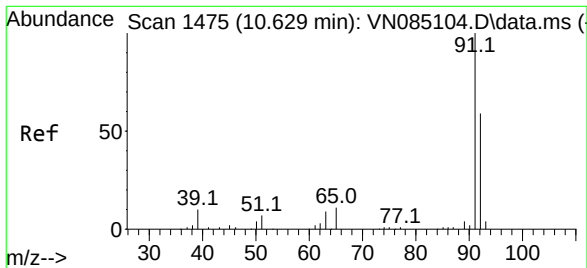
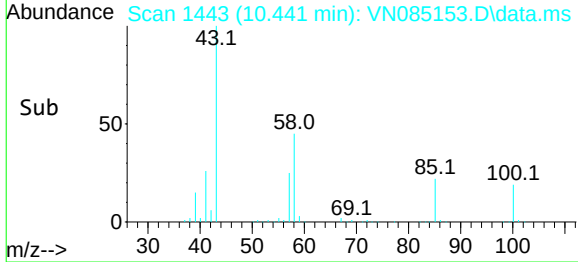
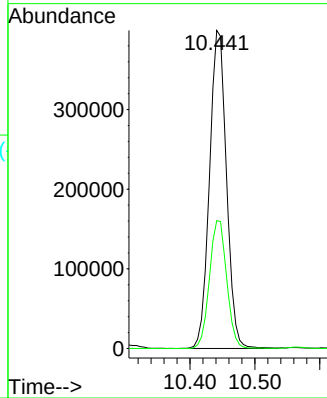
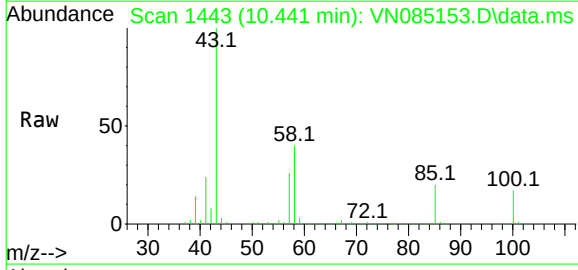
#51
4-Methyl-2-Pentanone
Concen: 347.299 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 725499
Ion Ratio Lower Upper
43 100
58 40.9 32.1 48.1

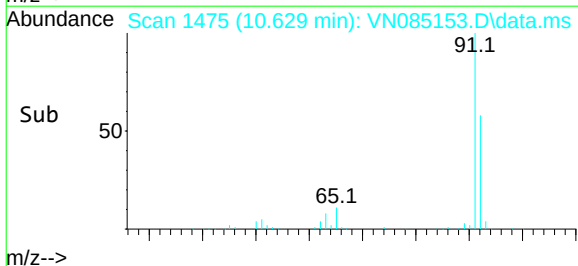
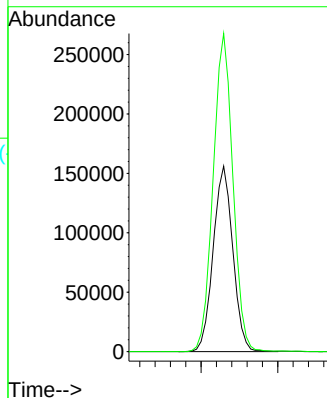
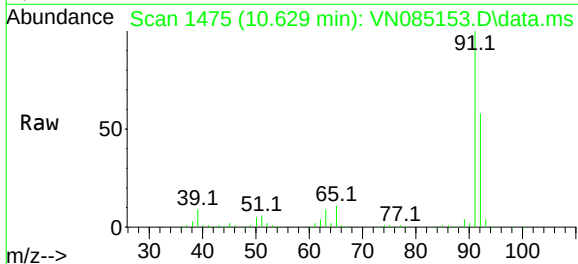
Manual Integrations
APPROVED

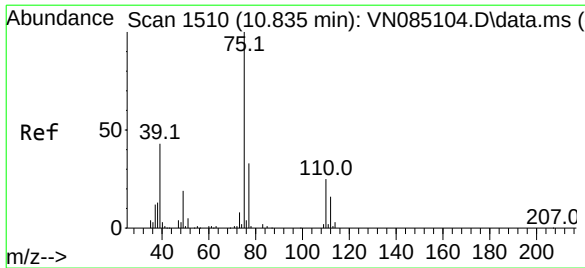
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 61.119 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

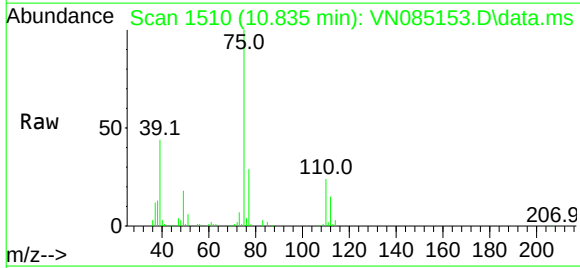
Tgt Ion: 92 Resp: 277164
Ion Ratio Lower Upper
92 100
91 172.7 136.7 205.1





#53
t-1,3-Dichloropropene
Concen: 61.118 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

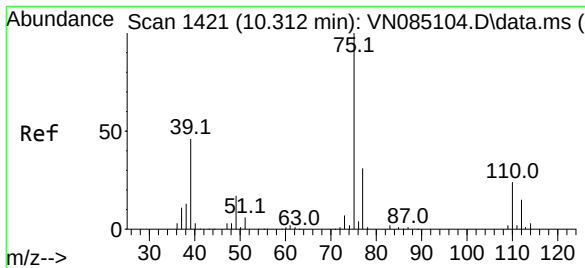
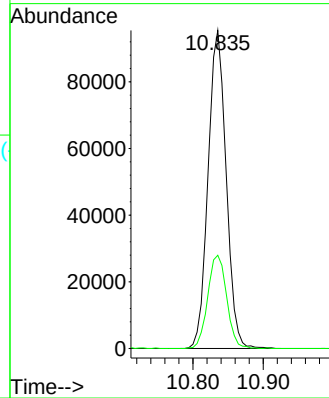
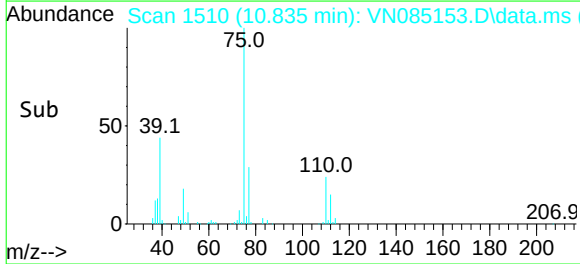
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 75 Resp: 170255
Ion Ratio Lower Upper
75 100
77 29.3 25.0 37.4

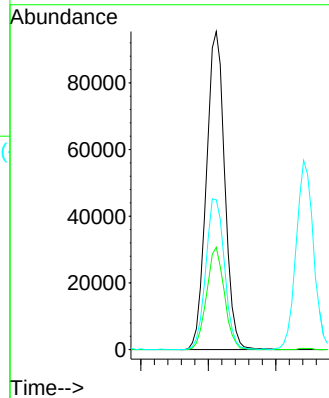
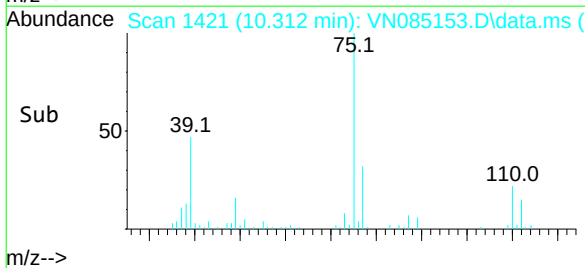
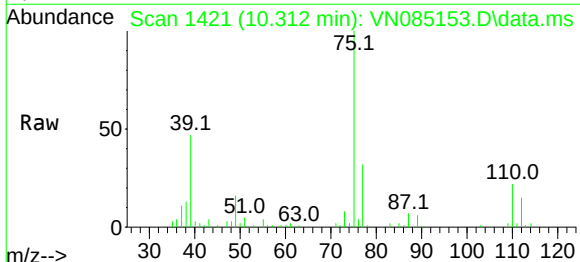
Manual Integrations
APPROVED

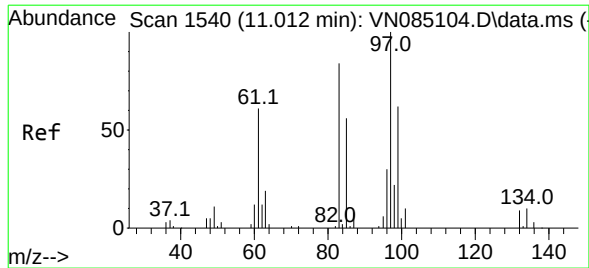
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#54
cis-1,3-Dichloropropene
Concen: 60.963 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 180164
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4
39 47.1 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 61.496 ug/l

RT: 11.018 min Scan# 1540

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 103873

Ion Ratio Lower Upper

97 100

83 80.8 67.4 101.2

85 53.7 43.1 64.7

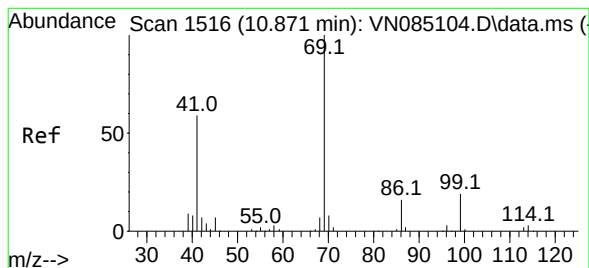
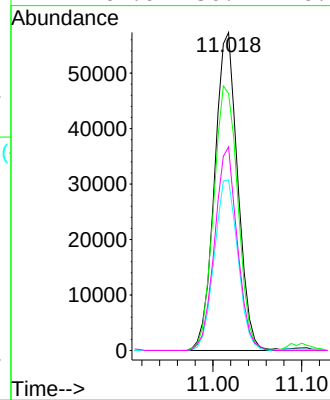
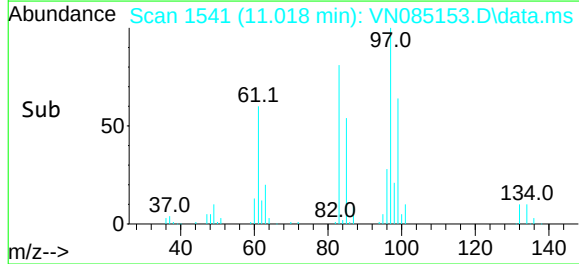
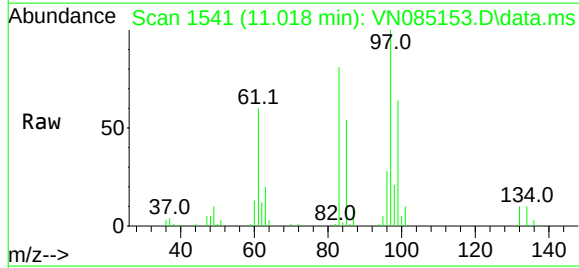
99 64.0 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#56

Ethyl methacrylate

Concen: 70.497 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

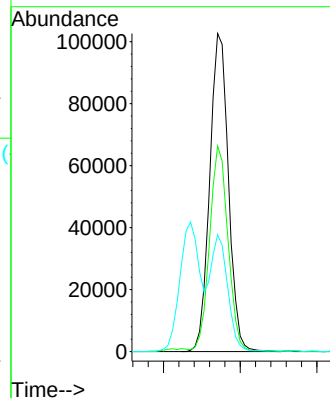
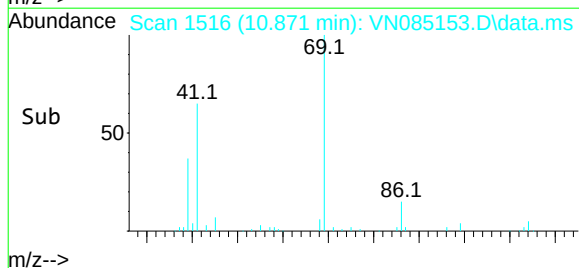
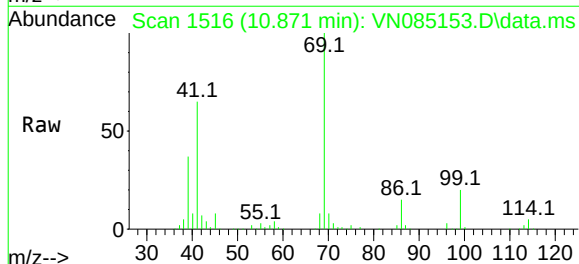
Tgt Ion: 69 Resp: 174001

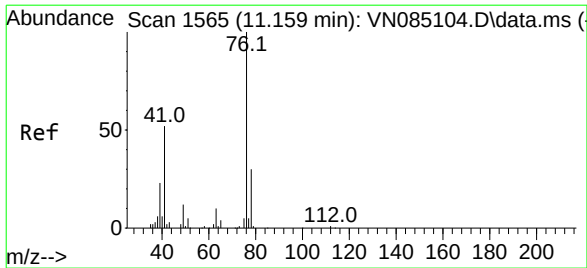
Ion Ratio Lower Upper

69 100

41 63.7 50.0 75.0

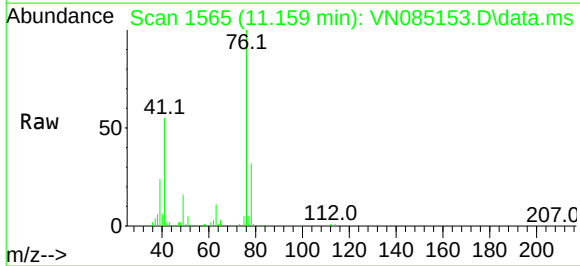
39 34.9 27.0 40.6





#57
1,3-Dichloropropane
Concen: 59.747 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

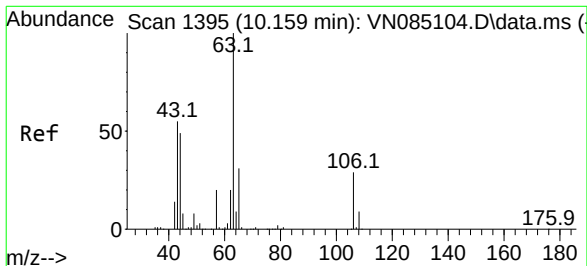
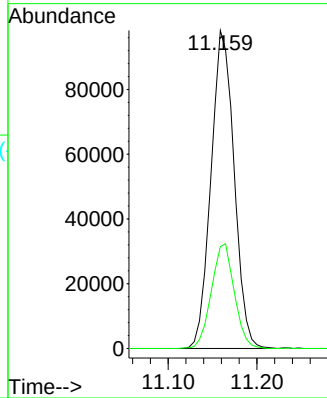
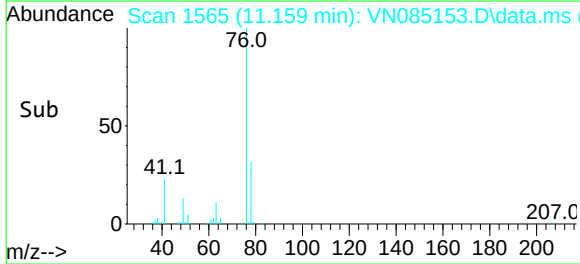
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 76 Resp: 177618
Ion Ratio Lower Upper
76 100
78 32.7 26.1 39.1

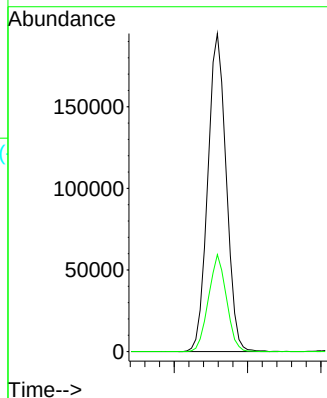
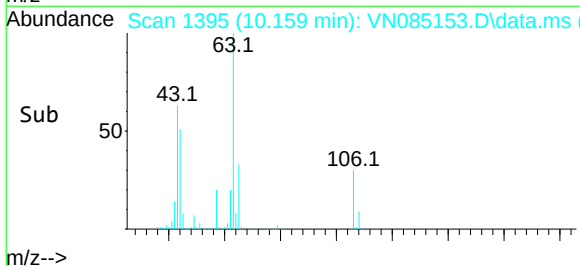
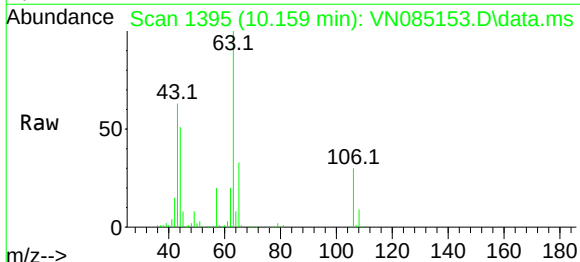
Manual Integrations
APPROVED

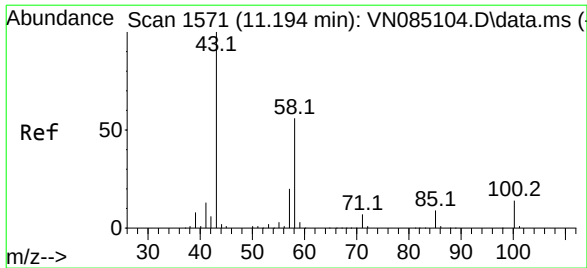
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#58
2-Chloroethyl Vinyl ether
Concen: 280.990 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

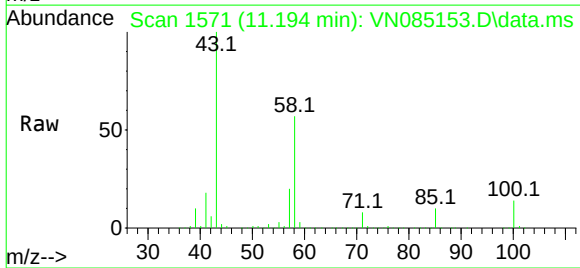
Tgt Ion: 63 Resp: 340202
Ion Ratio Lower Upper
63 100
106 29.7 23.0 34.6





#59
2-Hexanone
Concen: 351.625 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

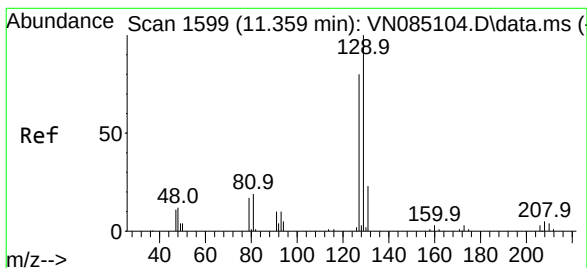
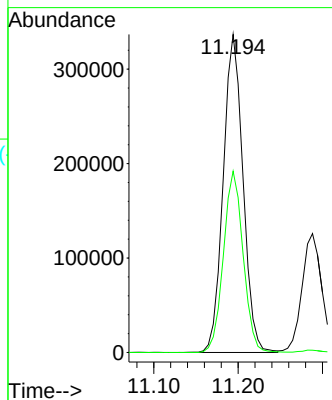
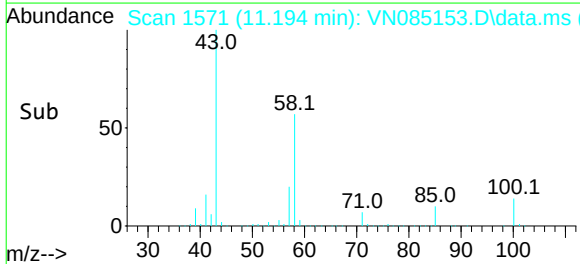
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 43 Resp: 549363
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0

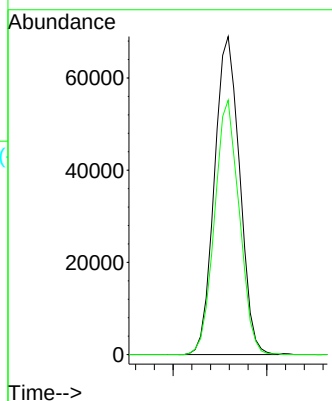
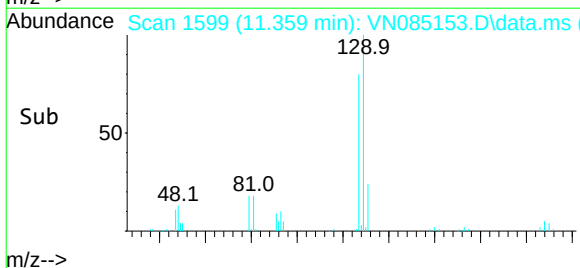
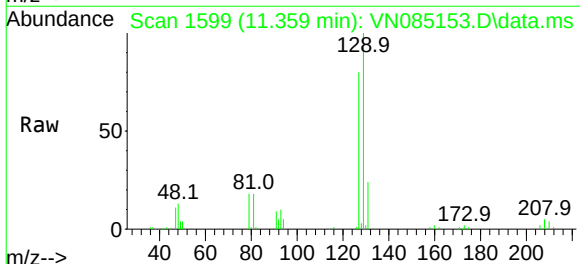
Manual Integrations
APPROVED

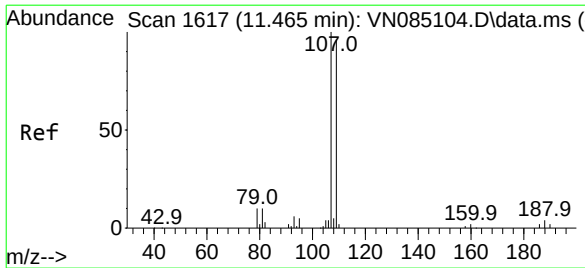
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#60
Dibromochloromethane
Concen: 62.448 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

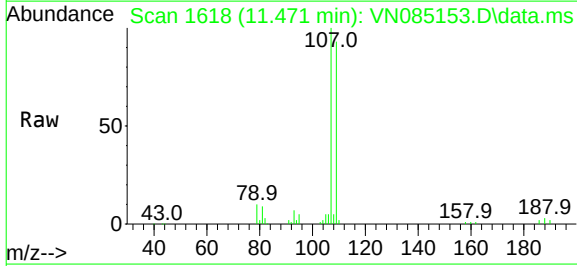
Tgt Ion:129 Resp: 128913
Ion Ratio Lower Upper
129 100
127 78.3 39.2 117.6





#61
1,2-Dibromoethane
Concen: 62.224 ug/l
RT: 11.471 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

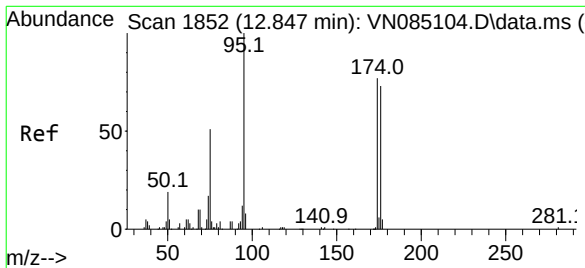
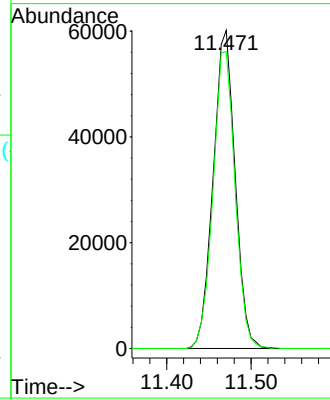
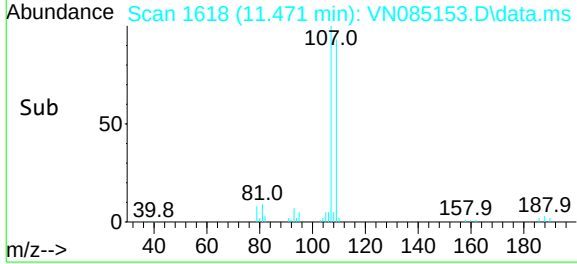
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 107 Resp: 108774
Ion Ratio Lower Upper
107 100
109 94.0 76.1 114.1

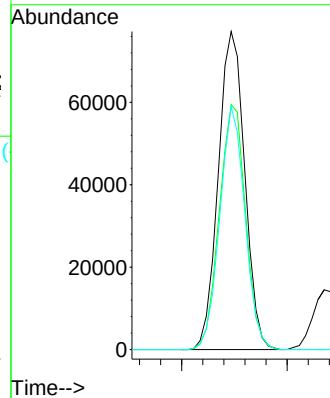
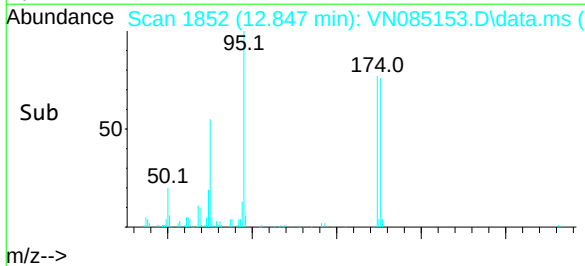
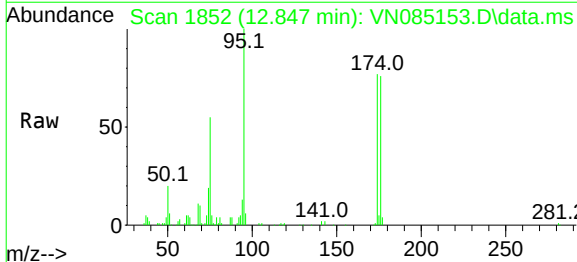
Manual Integrations
APPROVED

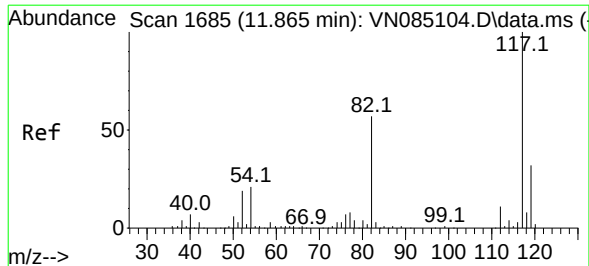
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 56.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 95 Resp: 134293
Ion Ratio Lower Upper
95 100
174 76.6 0.0 146.6
176 72.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 230771

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

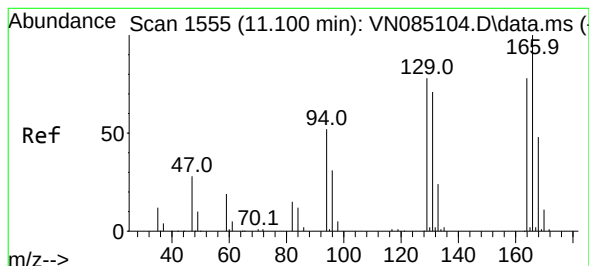
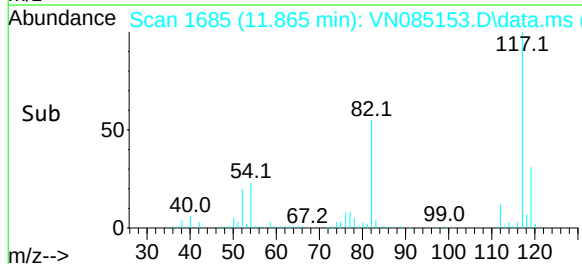
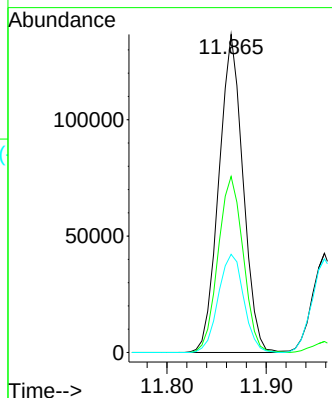
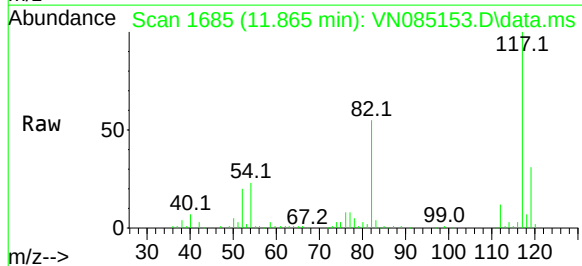
119 30.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 58.408 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion:164 Resp: 90824

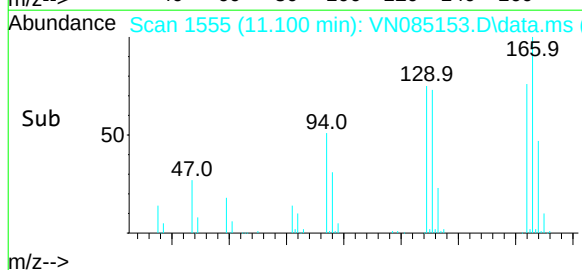
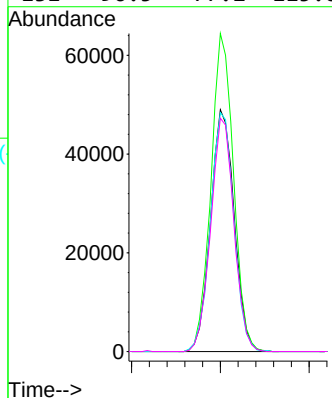
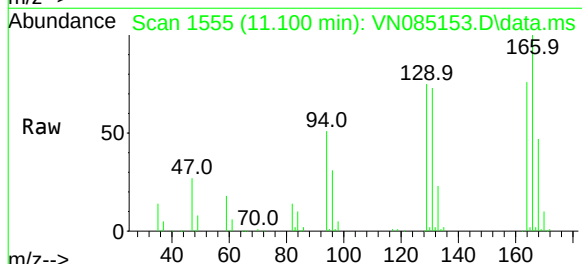
Ion Ratio Lower Upper

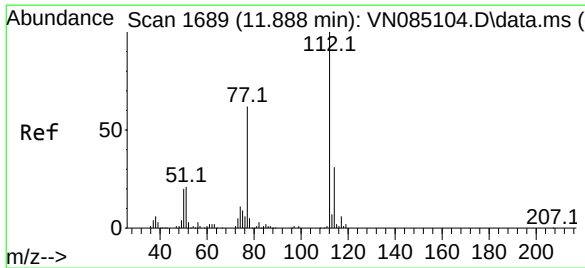
164 100

166 131.5 100.6 151.0

129 98.8 77.7 116.5

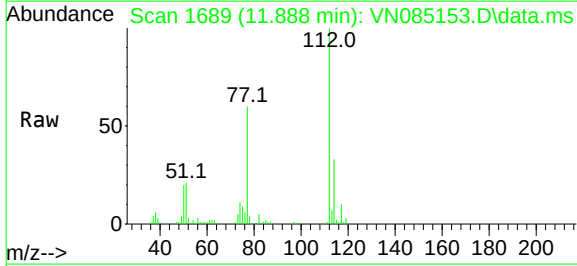
131 96.5 77.2 115.8





#65
Chlorobenzene
Concen: 58.266 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

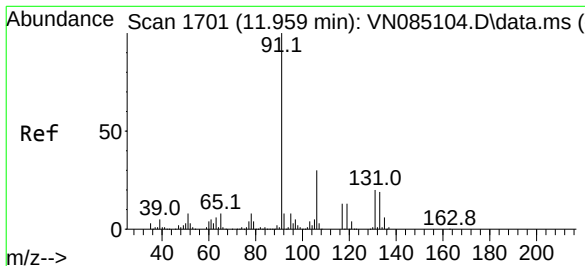
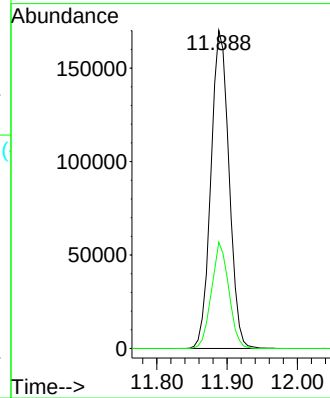
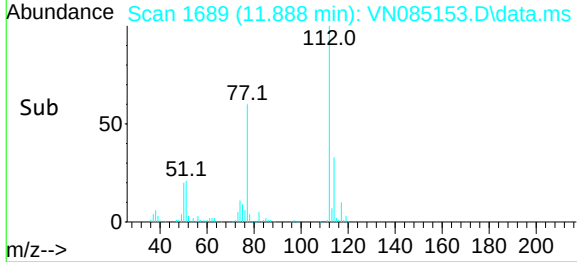
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:112 Resp: 304940
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6

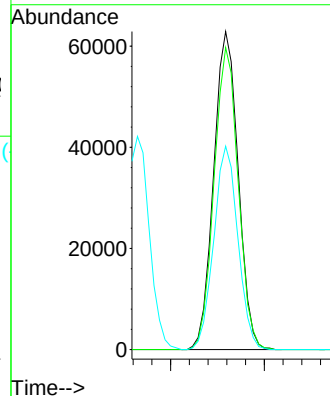
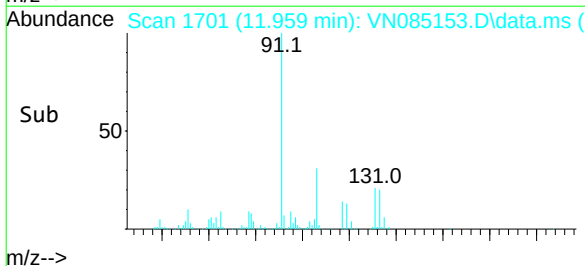
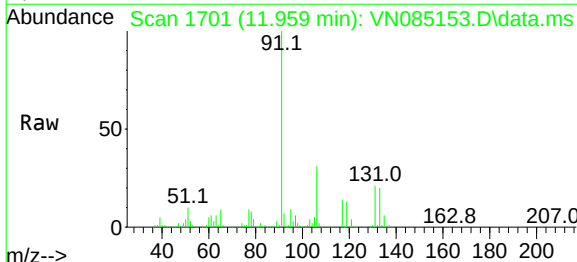
Manual Integrations
APPROVED

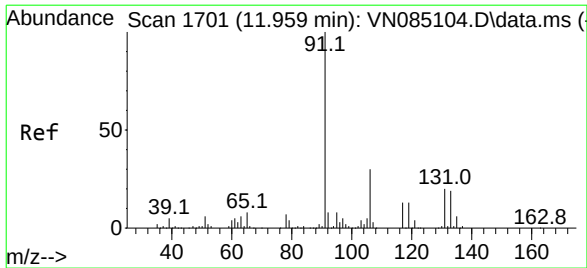
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 61.967 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:131 Resp: 114186
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.4
119 62.9 32.1 96.3





#67

Ethyl Benzene

Concen: 63.337 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 537789

Ion Ratio Lower Upper

91 100

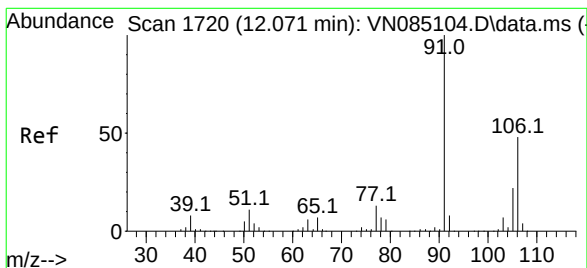
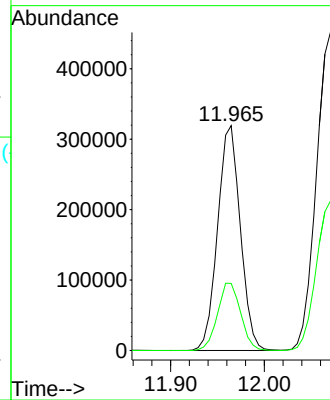
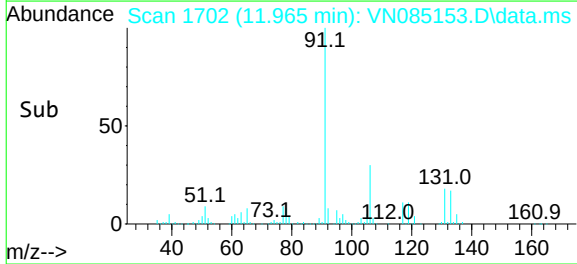
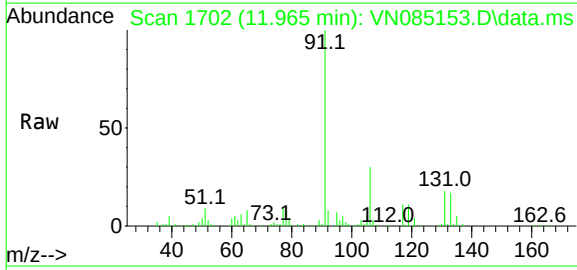
106 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 127.766 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085153.D

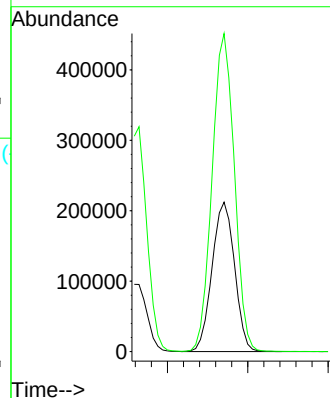
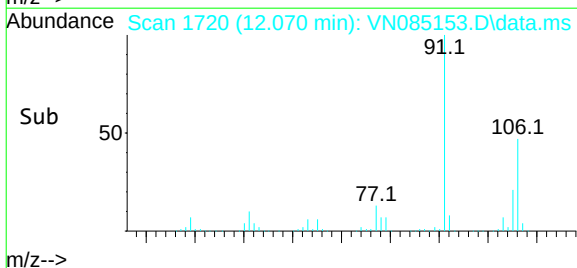
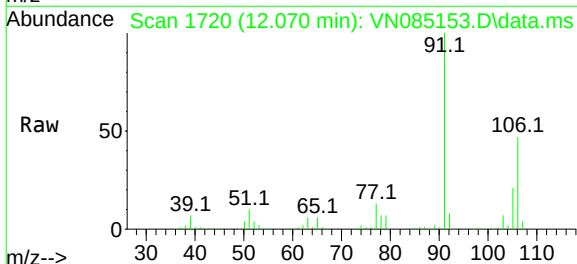
Acq: 09 Dec 2024 16:14

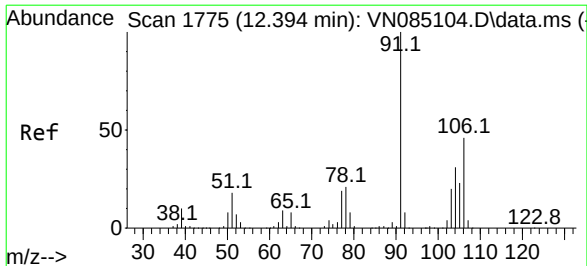
Tgt Ion:106 Resp: 413021

Ion Ratio Lower Upper

106 100

91 210.4 168.0 252.0





#69

o-Xylene

Concen: 64.428 ug/l

RT: 12.400 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 198117

Ion Ratio Lower Upper

106 100

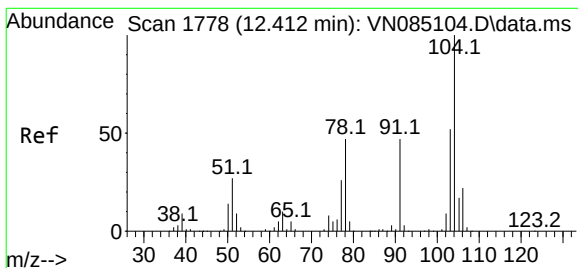
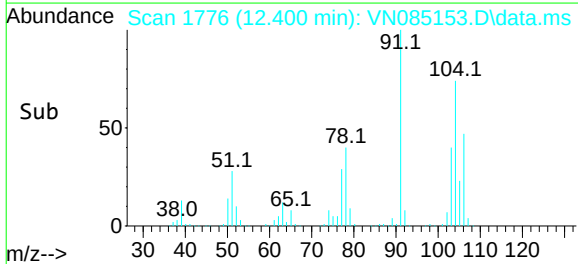
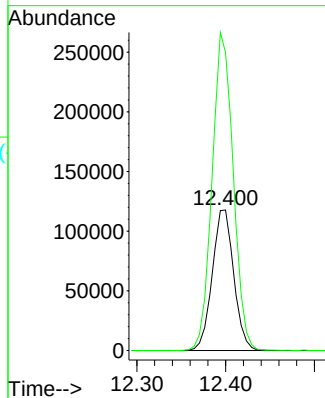
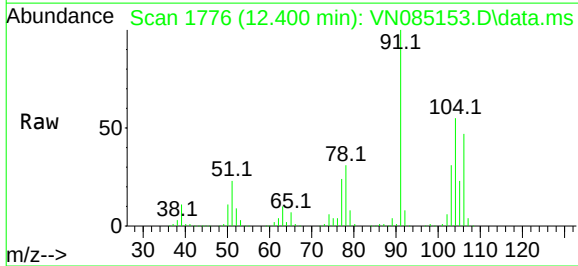
91 222.5 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 67.883 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

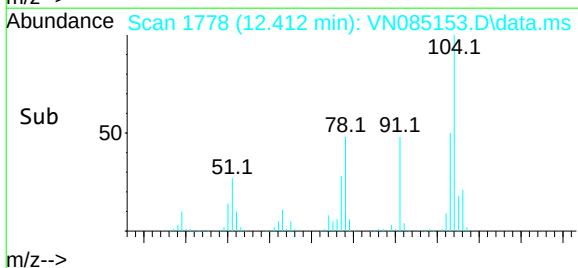
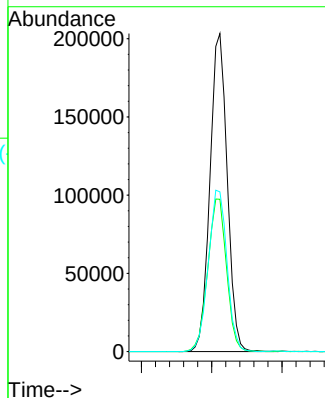
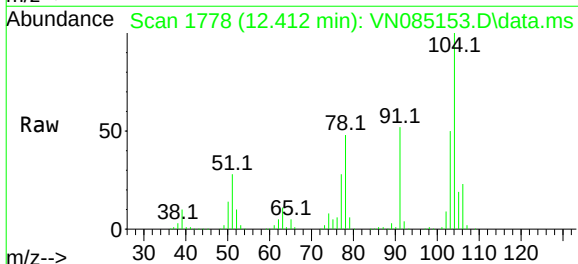
Tgt Ion:104 Resp: 347132

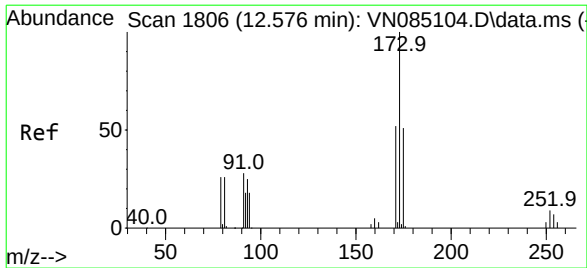
Ion Ratio Lower Upper

104 100

78 52.1 42.3 63.5

103 54.9 44.2 66.2





#71

Bromoform

Concen: 67.320 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 92080

Ion Ratio Lower Upper

173 100

175 48.2 23.8 71.2

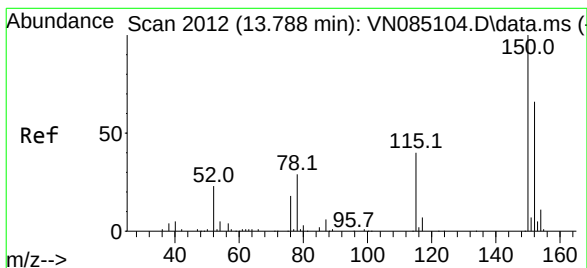
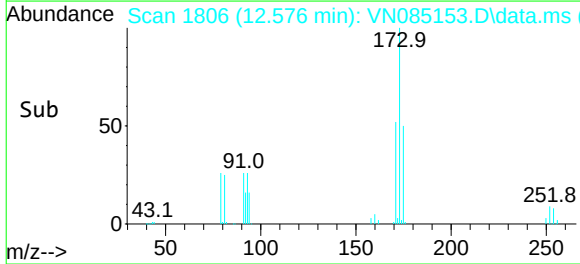
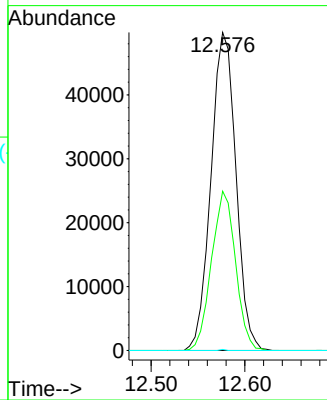
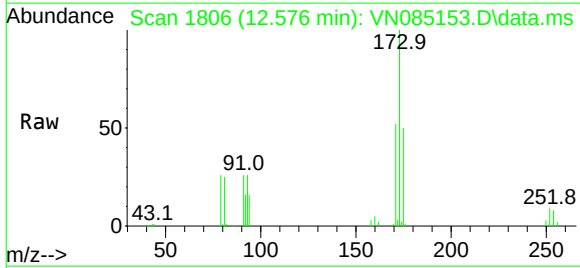
254 0.1 0.0 0.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

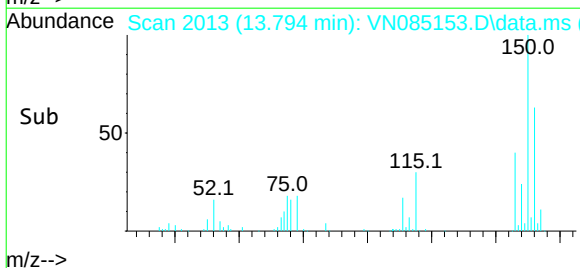
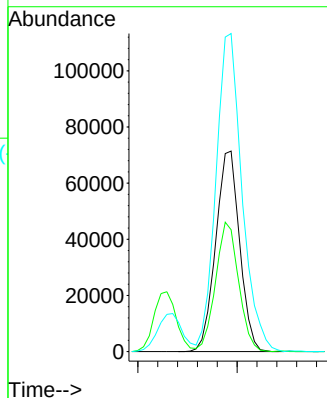
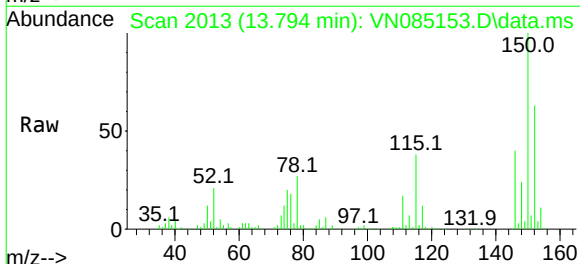
Tgt Ion:152 Resp: 119527

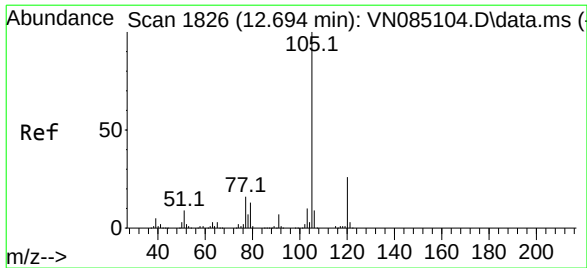
Ion Ratio Lower Upper

152 100

115 62.1 31.7 95.1

150 172.2 0.0 351.4





#73

Isopropylbenzene

Concen: 60.785 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 512549

Ion Ratio Lower Upper

105 100

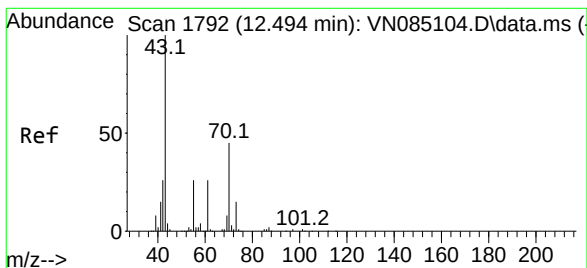
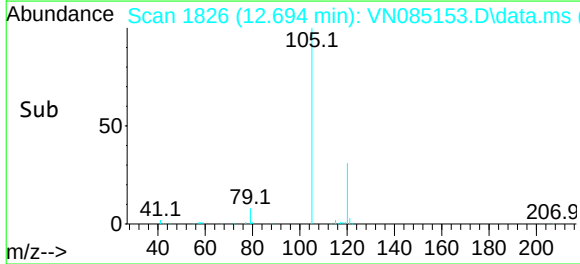
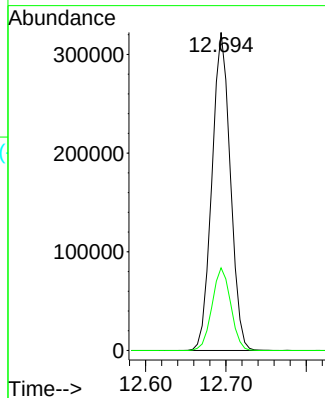
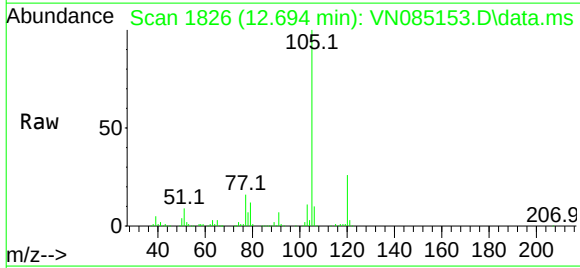
120 26.3 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 63.094 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 219231

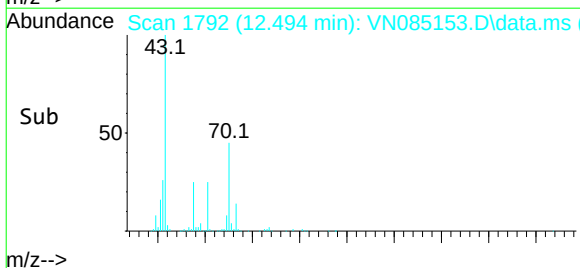
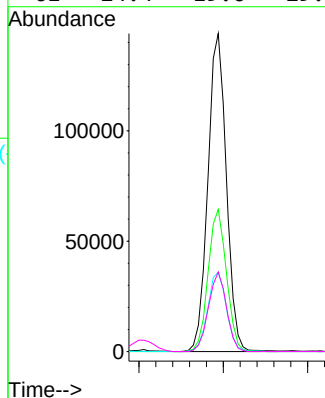
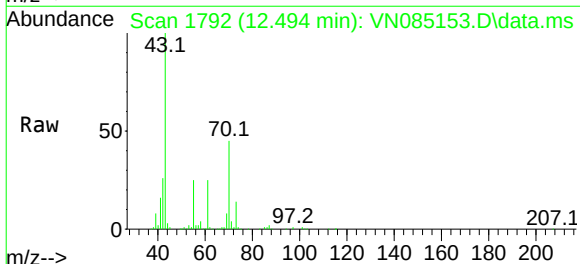
Ion Ratio Lower Upper

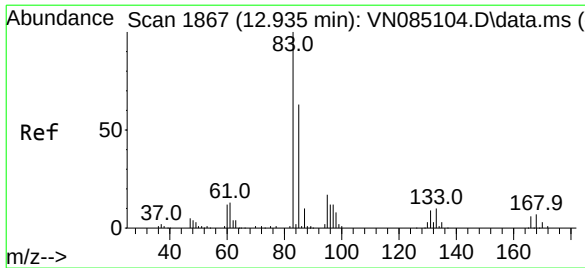
43 100

70 44.4 34.6 51.8

55 25.4 20.5 30.7

61 24.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.916 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

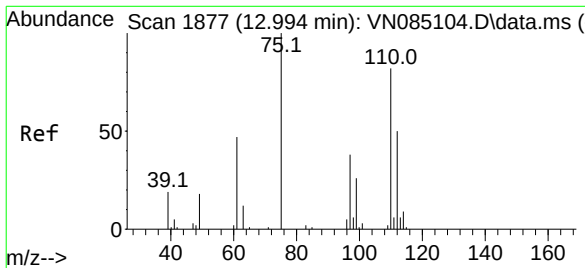
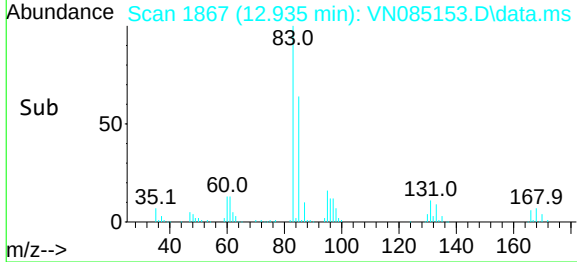
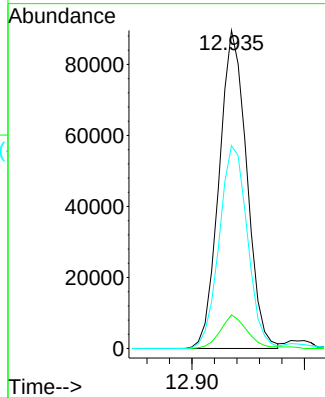
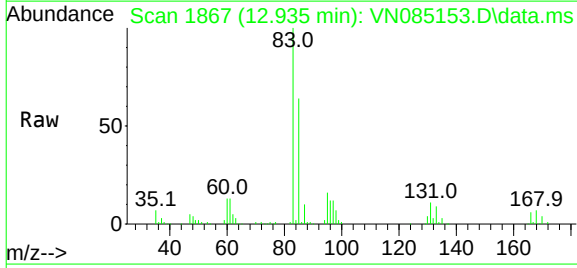
Tgt Ion:	83	Resp:	152365
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	65.1	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 49.775 ug/l m

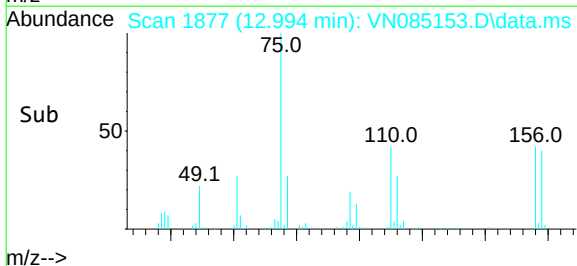
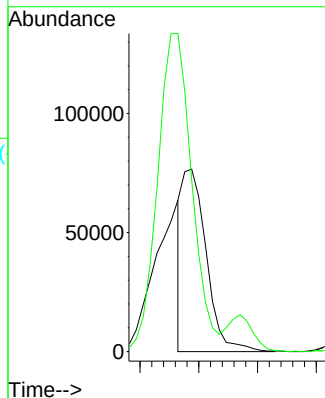
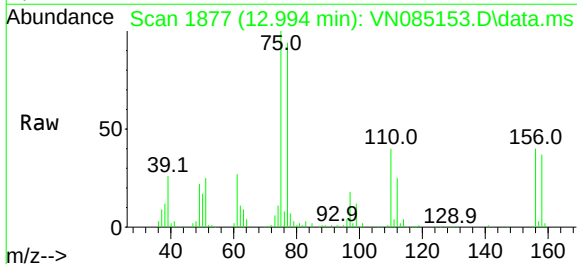
RT: 12.994 min Scan# 1877

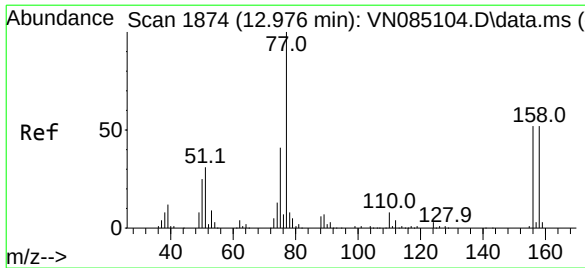
Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion:	75	Resp:	108217
Ion	Ratio	Lower	Upper
75	100		
77	250.2	109.1	327.4





#77

Bromobenzene

Concen: 55.620 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085153.D

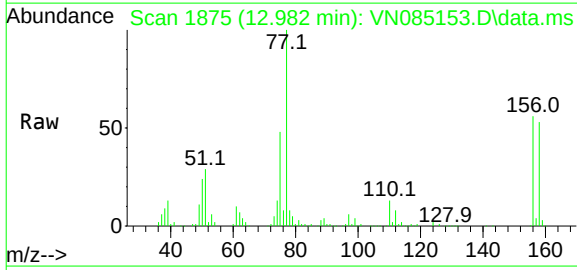
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 156 Resp: 126211

Ion Ratio Lower Upper

156 100

77 214.5 107.2 321.6

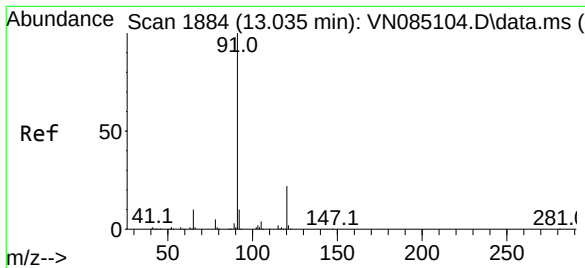
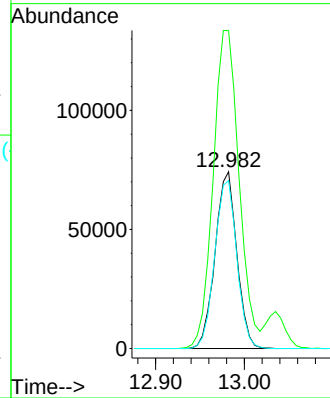
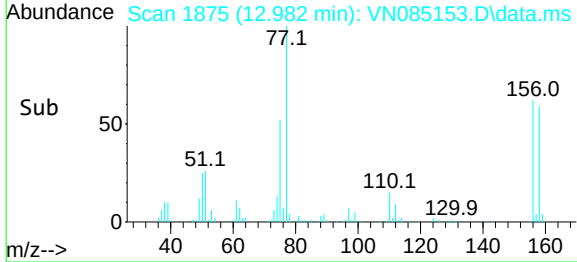
158 96.7 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 62.752 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085153.D

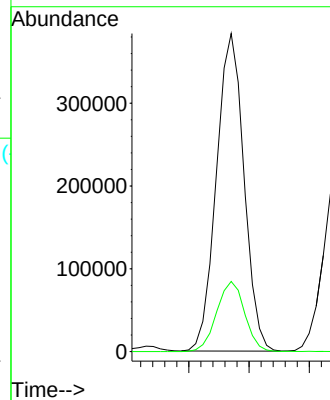
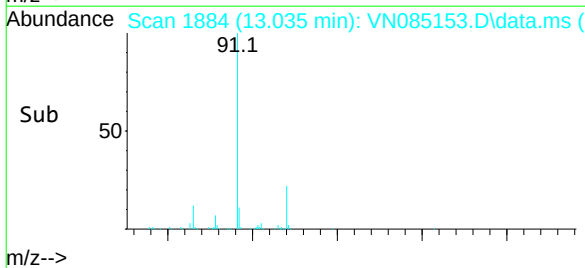
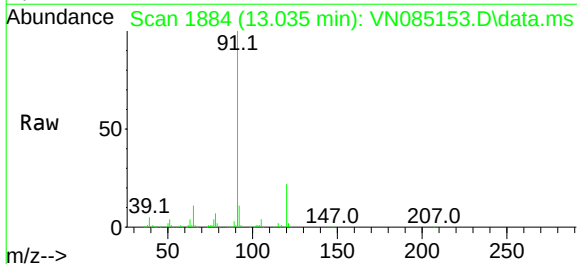
Acq: 09 Dec 2024 16:14

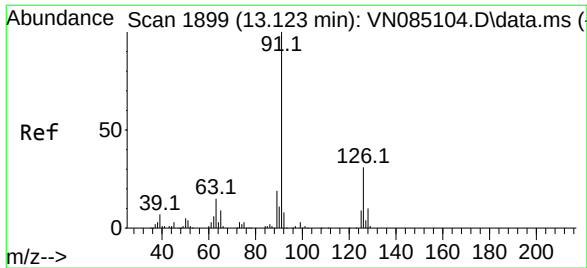
Tgt Ion: 91 Resp: 610311

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 57.227 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 371546

Ion Ratio Lower Upper

91 100

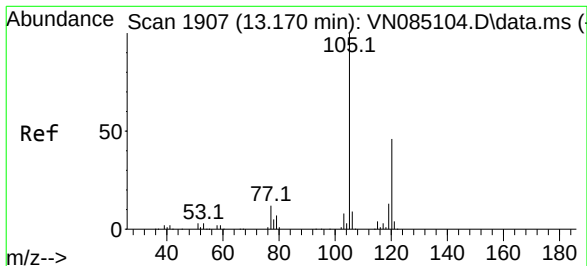
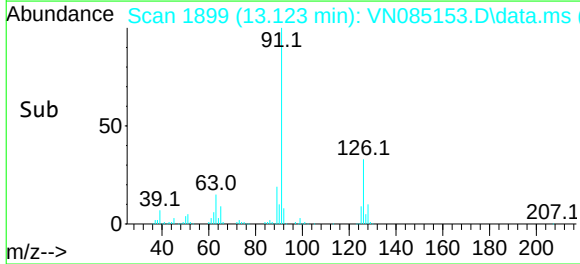
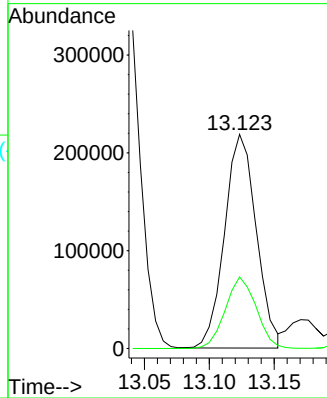
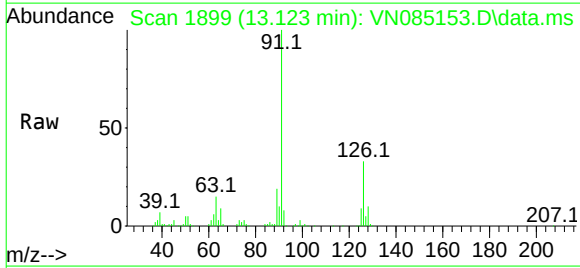
126 32.6 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 62.790 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085153.D

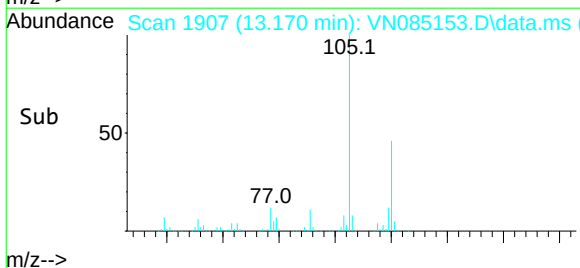
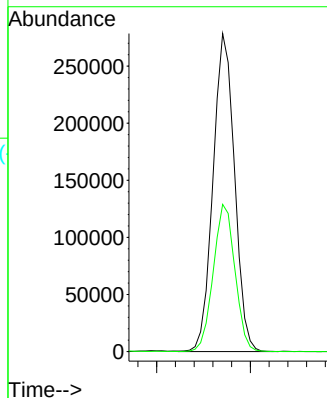
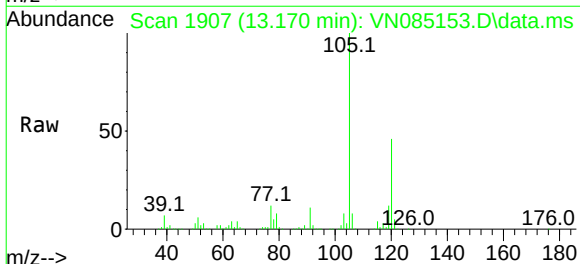
Acq: 09 Dec 2024 16:14

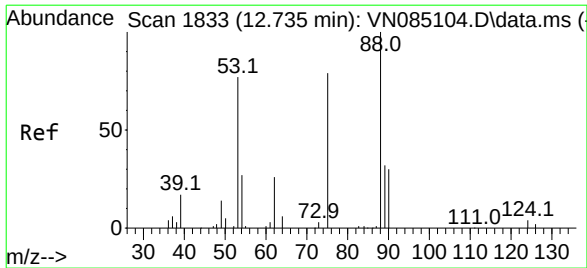
Tgt Ion:105 Resp: 444282

Ion Ratio Lower Upper

105 100

120 46.7 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.338 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

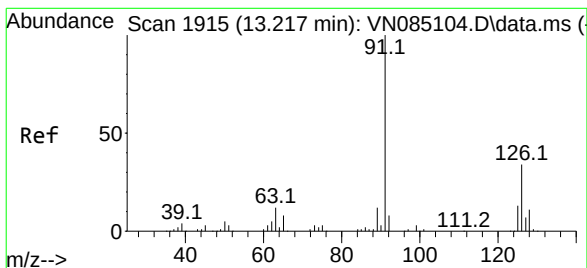
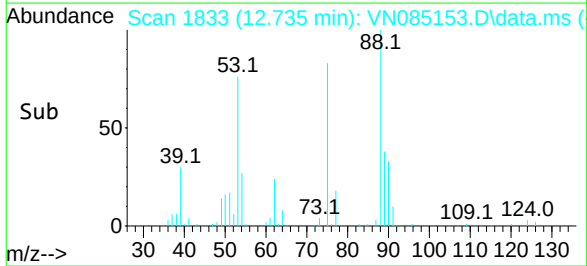
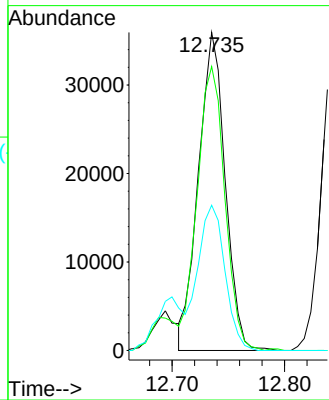
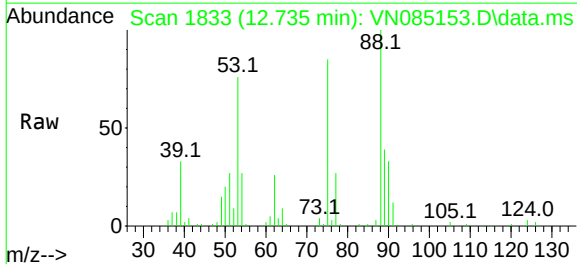
Tgt Ion:	75	Resp:	59423
Ion	Ratio	Lower	Upper
75	100		
53	92.2	78.2	117.4
89	46.0	37.9	56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

Concen: 56.362 ug/l

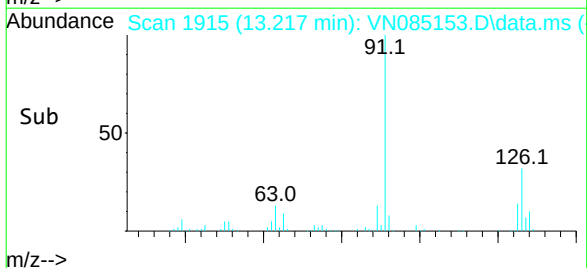
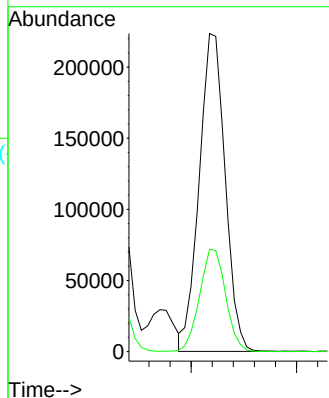
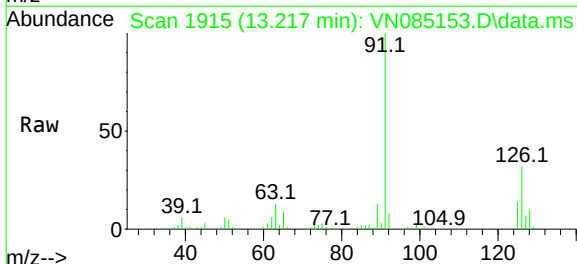
RT: 13.217 min Scan# 1915

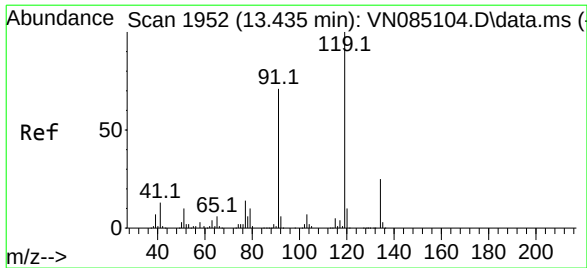
Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion:	91	Resp:	380936
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.3





#83

tert-Butylbenzene

Concen: 59.272 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 360851

Ion Ratio Lower Upper

119 100

91 71.3 35.1 105.5

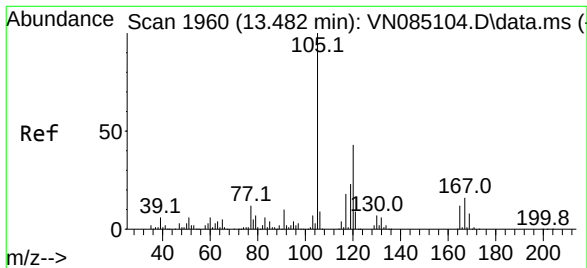
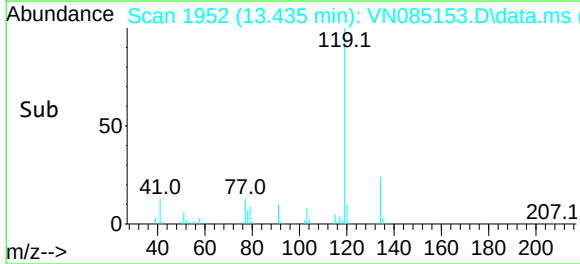
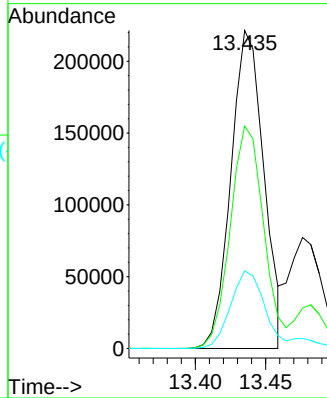
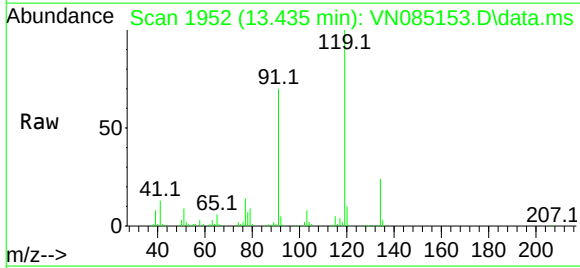
134 27.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 61.328 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085153.D

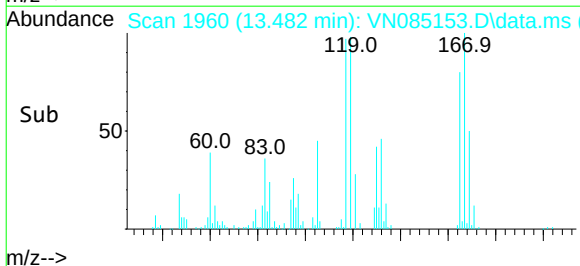
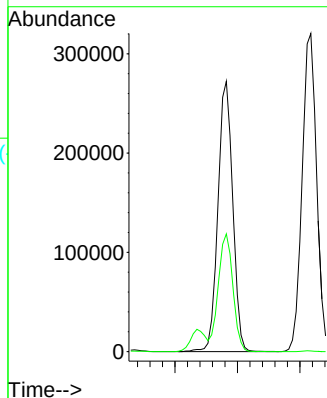
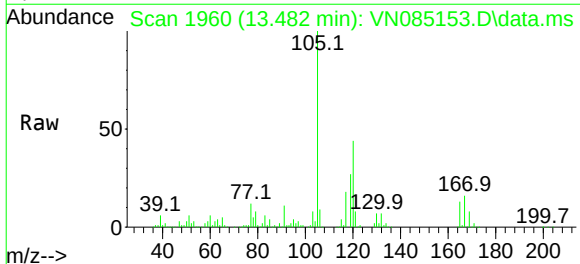
Acq: 09 Dec 2024 16:14

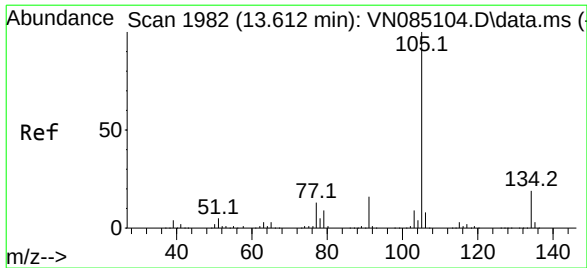
Tgt Ion:105 Resp: 446674

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4





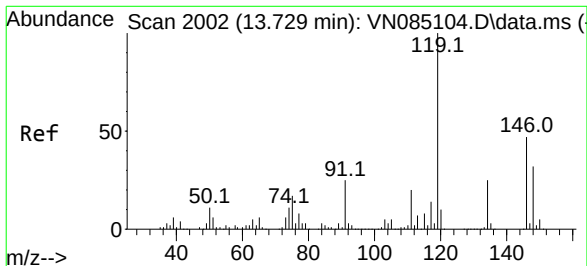
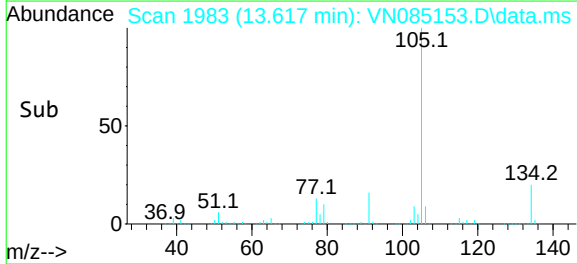
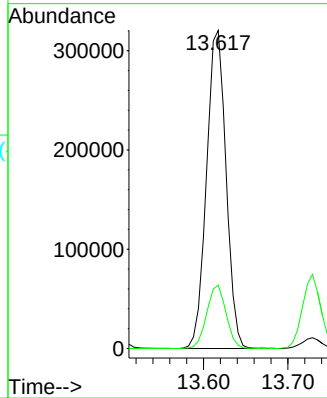
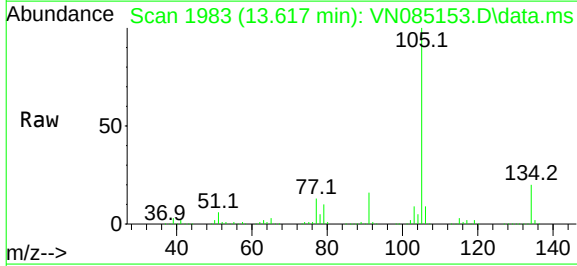
#85
sec-Butylbenzene
Concen: 62.691 ug/l
RT: 13.617 min Scan# 1982
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 515573
Ion Ratio Lower Upper
105 100
134 19.7 9.8 29.3

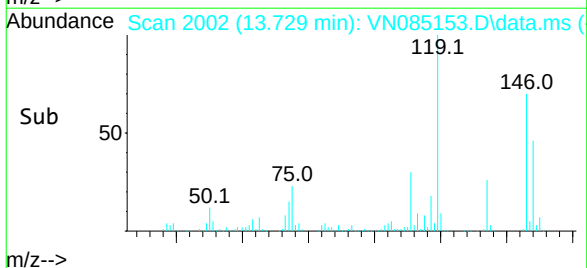
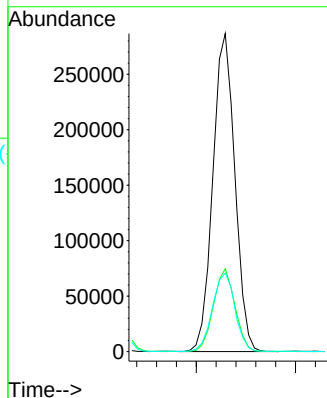
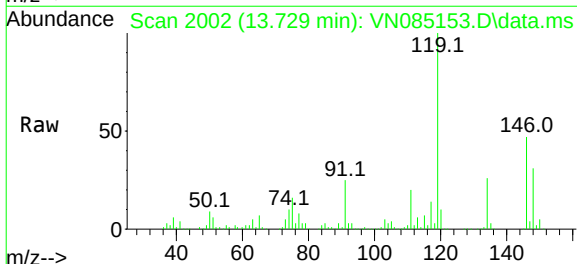
Manual Integrations
APPROVED

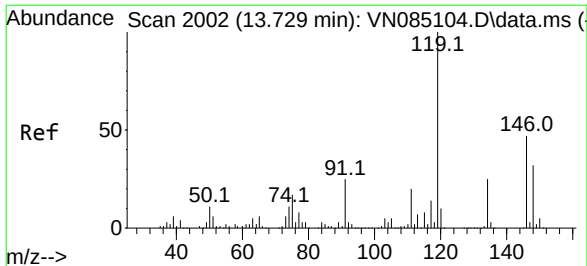
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#86
p-Isopropyltoluene
Concen: 65.018 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 441406
Ion Ratio Lower Upper
119 100
134 25.5 13.0 39.0
91 25.1 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 51.875 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085153.D

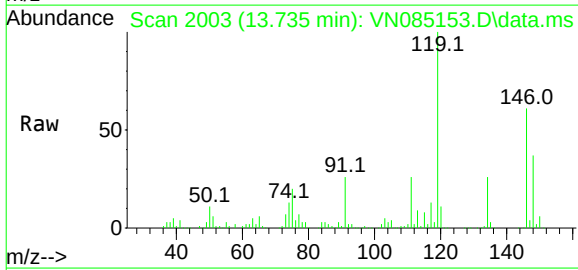
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

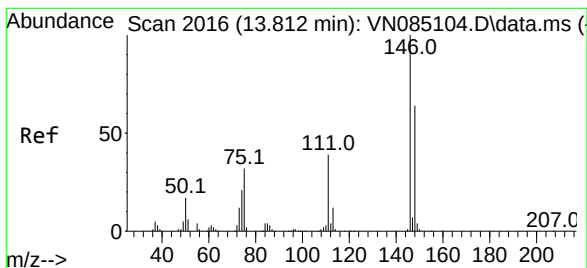
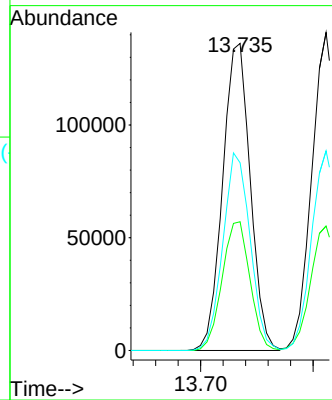
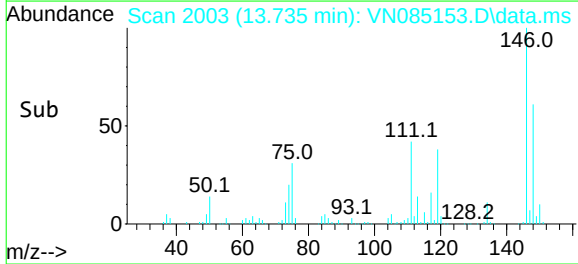
VSTDCCC050EC



Tgt Ion:	146	Resp:	232182
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	63.6	32.2	96.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

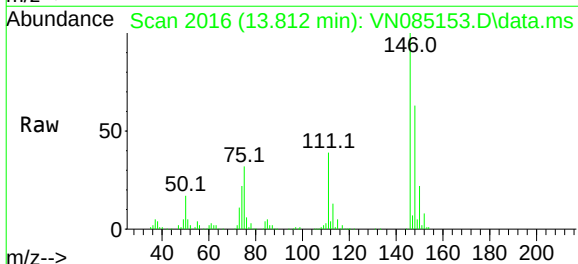
Concen: 50.815 ug/l

RT: 13.812 min Scan# 2016

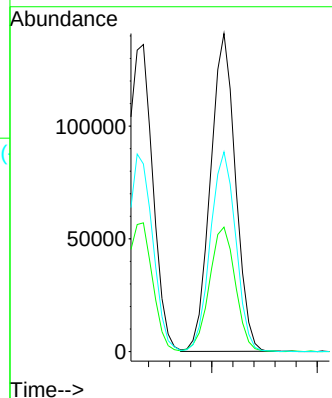
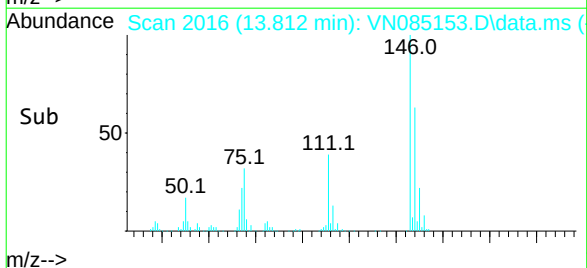
Delta R.T. -0.000 min

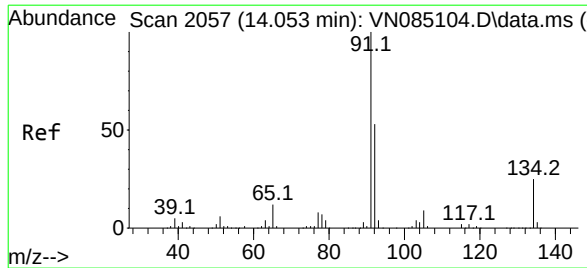
Lab File: VN085153.D

Acq: 09 Dec 2024 16:14



Tgt Ion:	146	Resp:	232095
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.9	62.8
148	64.0	31.3	93.9





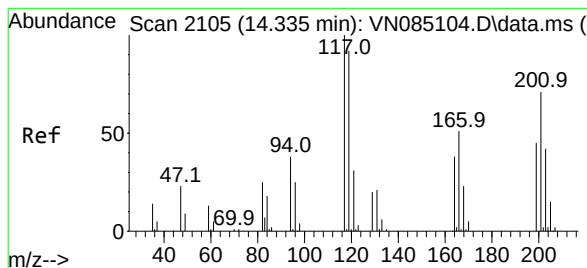
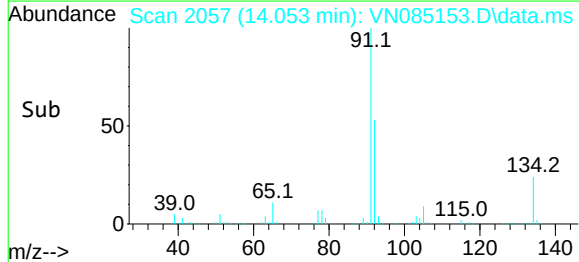
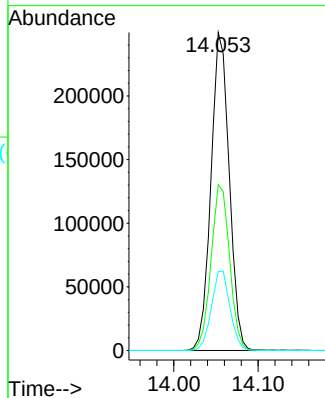
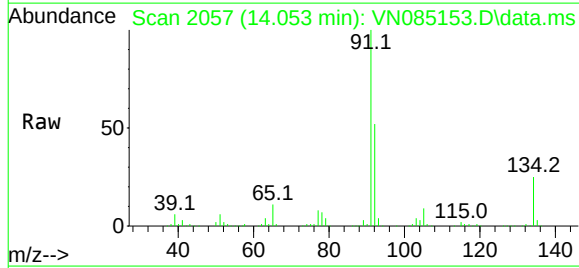
#89
n-Butylbenzene
Concen: 59.518 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	91	Resp:	375765
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	25.5	12.8	38.4

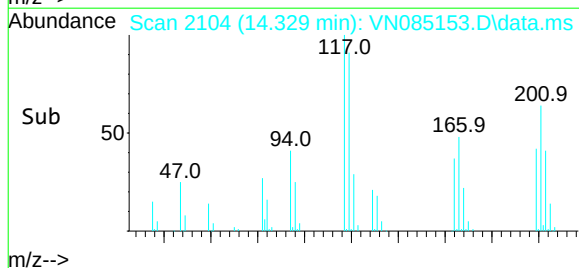
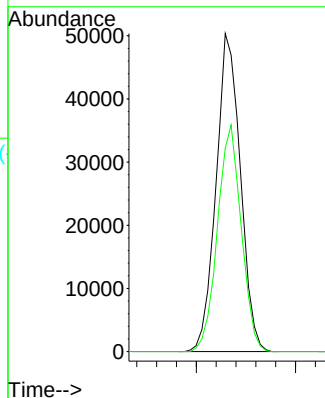
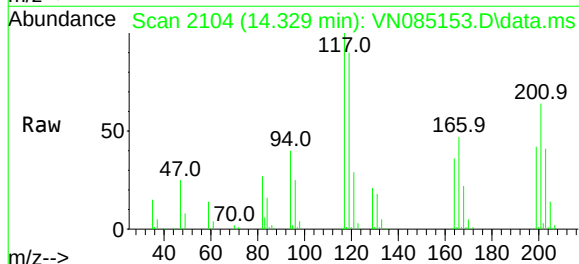
Manual Integrations
APPROVED

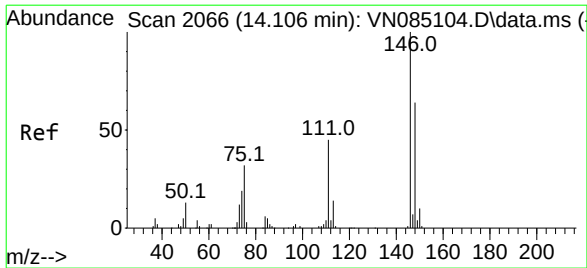
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#90
Hexachloroethane
Concen: 57.956 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

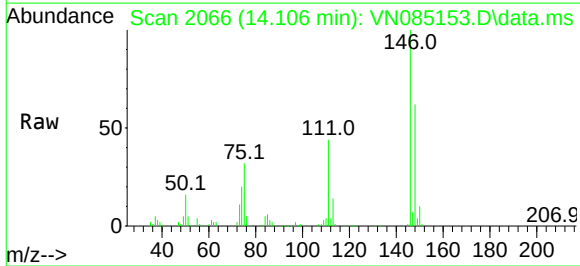
Tgt Ion:	117	Resp:	85765
Ion	Ratio	Lower	Upper
117	100		
201	69.6	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 50.441 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

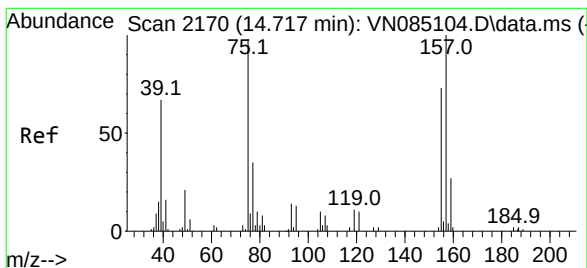
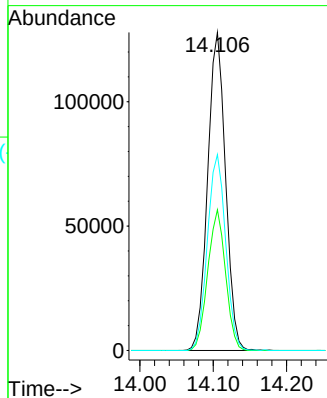
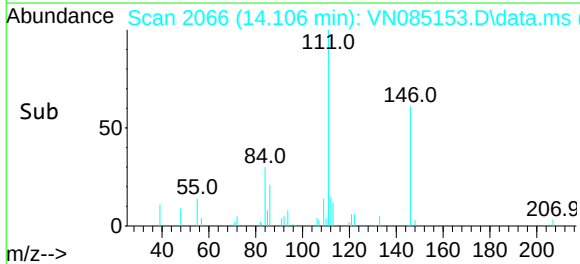
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 216336
Ion Ratio Lower Upper
146 100
111 44.0 21.9 65.8
148 63.2 31.1 93.2

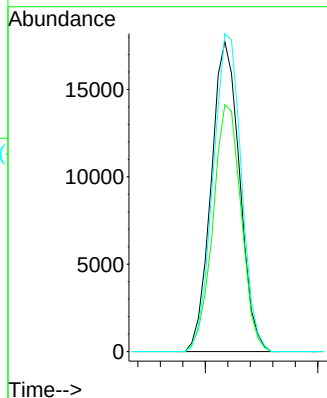
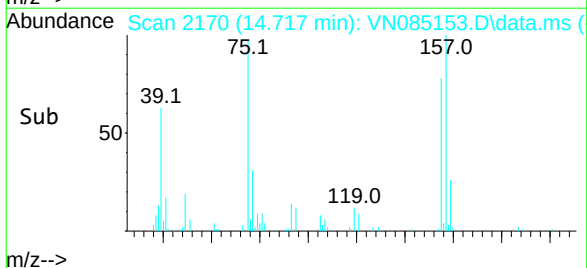
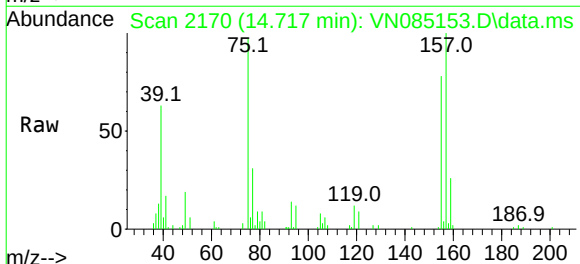
Manual Integrations
APPROVED

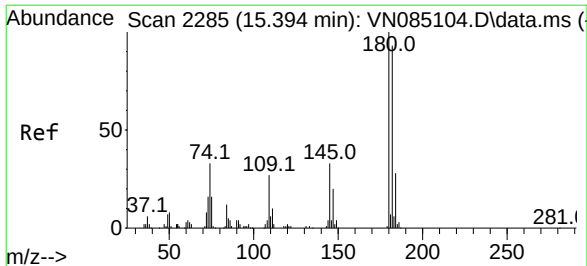
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.854 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 31099
Ion Ratio Lower Upper
75 100
155 79.1 38.9 116.7
157 101.8 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 48.409 ug/l

RT: 15.388 min Scan# 2285

Delta R.T. -0.000 min

Lab File: VN085153.D

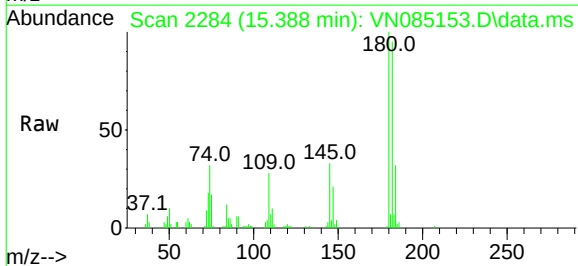
Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC



Tgt Ion:180 Resp: 112793

Ion Ratio Lower Upper

180 100

182 96.2 46.9 140.8

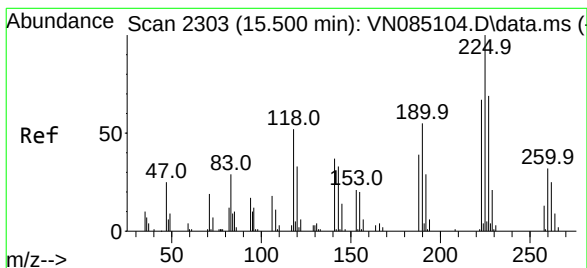
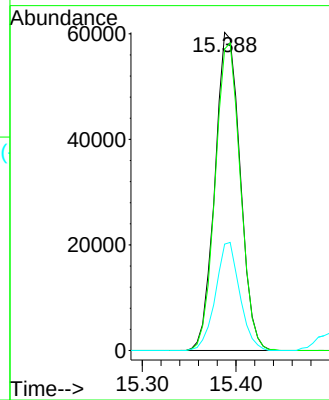
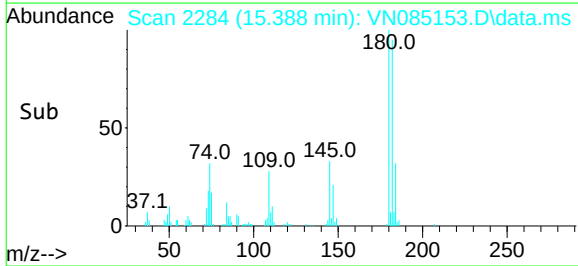
145 32.6 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 50.659 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

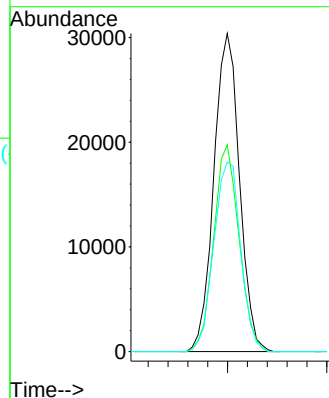
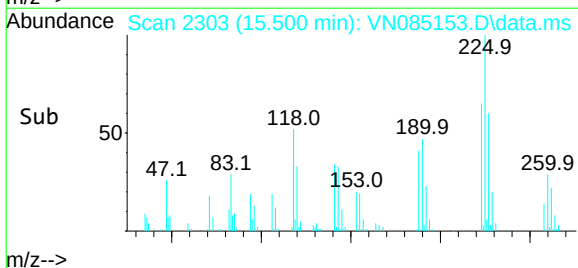
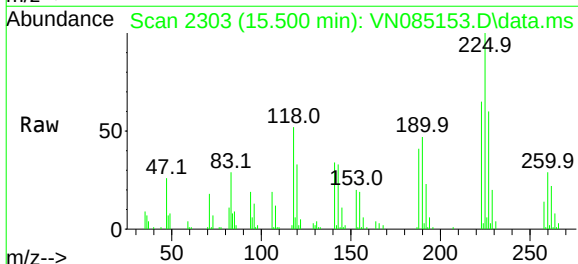
Tgt Ion:225 Resp: 54475

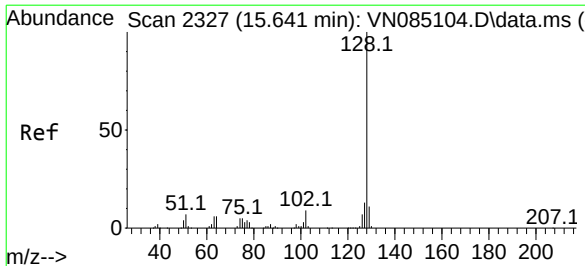
Ion Ratio Lower Upper

225 100

223 64.3 30.9 92.8

227 62.5 31.5 94.5





#95

Naphthalene

Concen: 53.899 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 357684

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

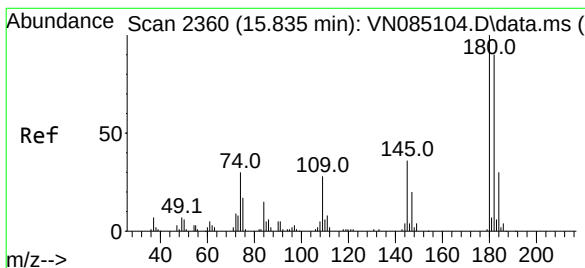
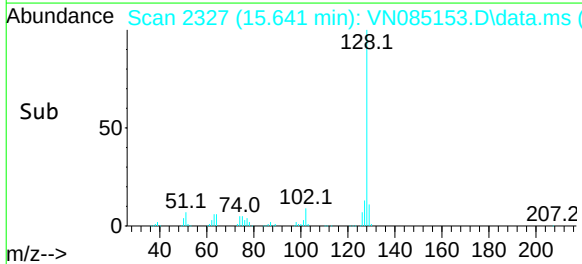
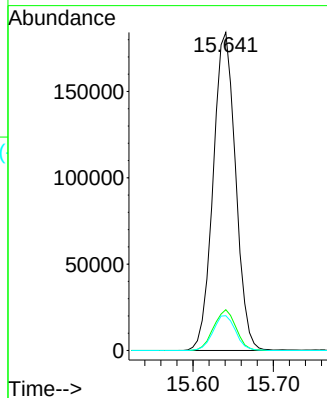
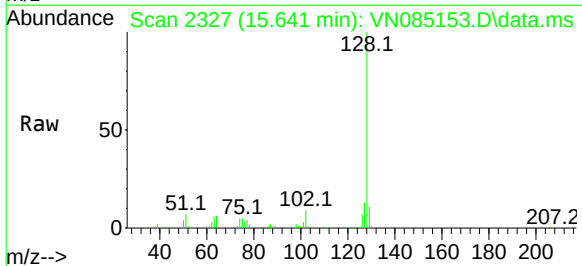
129 11.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 49.972 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

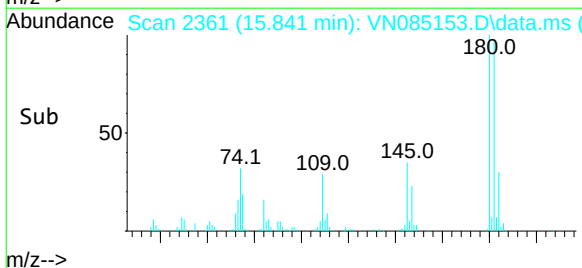
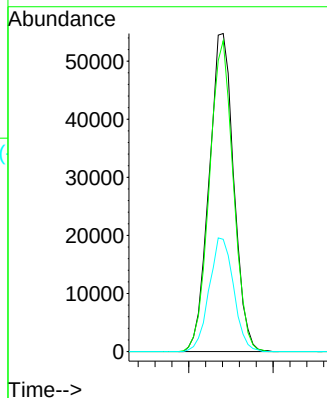
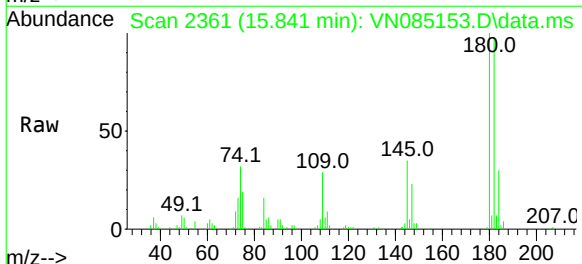
Tgt Ion:180 Resp: 111098

Ion Ratio Lower Upper

180 100

182 94.8 46.4 139.2

145 35.5 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	100	0.00
2 T	Dichlorodifluoromethane	0.565	0.502	11.2	89	0.00
3 P	Chloromethane	0.656	0.559	14.8	94	0.00
4 C	Vinyl Chloride	0.589	0.577	2.0#	100	0.00
5 T	Bromomethane	0.330	0.383	-16.1	123	0.04
6 T	Chloroethane	0.397	0.382	3.8	101	0.04
7 T	Trichlorofluoromethane	1.002	1.070	-6.8	110	0.03
8 T	Diethyl Ether	0.341	0.384	-12.6	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.625	-9.8	113	0.01
10 T	Methyl Iodide	0.753	0.725	3.7	97	0.01
11 T	Tert butyl alcohol	0.095	0.125	-31.6#	138	-0.02
12 CM	1,1-Dichloroethene	0.531	0.571	-7.5#	109	0.02
13 T	Acrolein	0.064	0.085	-32.8#	121	0.01
14 T	Allyl chloride	0.895	0.874	2.3	98	0.01
15 T	Acrylonitrile	0.269	0.324	-20.4	123	0.00
16 T	Acetone	0.207	0.308	-48.8#	151#	0.00
17 T	Carbon Disulfide	1.566	1.534	2.0	104	0.01
18 T	Methyl Acetate	0.804	0.793	1.4	121	0.00
19 T	Methyl tert-butyl Ether	1.734	2.034	-17.3	115	0.00
20 T	Methylene Chloride	0.633	0.672	-6.2	114	0.00
21 T	trans-1,2-Dichloroethene	0.558	0.603	-8.1	108	0.01
22 T	Diisopropyl ether	1.801	2.010	-11.6	112	0.00
23 T	Vinyl Acetate	1.242	1.518	-22.2	117	0.00
24 P	1,1-Dichloroethane	1.078	1.185	-9.9	113	0.01
25 T	2-Butanone	0.339	0.438	-29.2#	132	0.00
26 T	2,2-Dichloropropane	1.006	1.102	-9.5	111	0.01
27 T	cis-1,2-Dichloroethene	0.673	0.758	-12.6	115	0.01
28 T	Bromochloromethane	0.407	0.353	13.3	89	0.00
29 T	Tetrahydrofuran	0.211	0.274	-29.9#	128	0.00
30 C	Chloroform	1.146	1.269	-10.7#	115	0.00
31 T	Cyclohexane	0.949	0.956	-0.7	108	0.00
32 T	1,1,1-Trichloroethane	1.036	1.144	-10.4	113	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.726	-2.0	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.337	0.362	-7.4	104	0.00
36 T	1,1-Dichloropropene	0.457	0.525	-14.9	113	0.00
37 T	Ethyl Acetate	0.415	0.521	-25.5#	126	0.00
38 T	Carbon Tetrachloride	0.527	0.629	-19.4	115	0.00
39 T	Methylcyclohexane	0.475	0.579	-21.9	112	0.00
40 TM	Benzene	1.444	1.610	-11.5	110	0.00
41 T	Methacrylonitrile	0.230	0.280	-21.7	119	0.00
42 TM	1,2-Dichloroethane	0.494	0.589	-19.2	120	0.00
43 T	Isopropyl Acetate	0.862	1.032	-19.7	134	0.00
44 TM	Trichloroethene	0.336	0.391	-16.4	117	0.00
45 C	1,2-Dichloropropane	0.356	0.408	-14.6#	114	0.00
46 T	Dibromomethane	0.247	0.295	-19.4	118	0.00
47 T	Bromodichloromethane	0.524	0.631	-20.4	118	0.00
48 T	Methyl methacrylate	0.321	0.435	-35.5#	129	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.008	-33.3#	136	0.00
50 S	Toluene-d8	1.208	1.305	-8.0	102	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.547	-38.8#	132	0.00
52 CM	Toluene	0.855	1.045	-22.2#	115	0.00
53 T	t-1,3-Dichloropropene	0.525	0.642	-22.3	114	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.679	-21.9	115	0.00
55 T	1,1,2-Trichloroethane	0.319	0.392	-22.9	119	0.00
56 T	Ethyl methacrylate	0.465	0.656	-41.1#	124	0.00
57 T	1,3-Dichloropropane	0.561	0.670	-19.4	117	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.257	-12.7	92	0.00
59 T	2-Hexanone	0.295	0.414	-40.3#	130	0.00
60 T	Dibromochloromethane	0.389	0.486	-24.9	123	0.00
61 T	1,2-Dibromoethane	0.330	0.410	-24.2	122	0.00
62 S	4-Bromofluorobenzene	0.452	0.506	-11.9	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.337	0.394	-16.9	119	0.00
65 PM	Chlorobenzene	1.134	1.321	-16.5	121	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.495	-24.1	124	0.00
67 C	Ethyl Benzene	1.840	2.330	-26.6#	119	0.00
68 T	m/p-Xylenes	0.700	0.895	-27.9#	121	0.00
69 T	o-Xylene	0.666	0.859	-29.0#	121	0.00
70 T	Styrene	1.108	1.504	-35.7#	125	0.00
71 P	Bromoform	0.296	0.399	-34.8#	128	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.527	4.288	-21.6	123	0.00
74 T	N-amyl acetate	1.454	1.834	-26.1#	123	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.275	-5.9	121	0.00
76 T	1,2,3-Trichloropropane	0.909	0.905	0.4	105	0.00
77 T	Bromobenzene	0.949	1.056	-11.3	120	0.00
78 T	n-propylbenzene	4.068	5.106	-25.5#	126	0.00
79 T	2-Chlorotoluene	2.716	3.108	-14.4	122	0.00
80 T	1,3,5-Trimethylbenzene	2.960	3.717	-25.6#	123	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.497	-20.6	127	0.00
82 T	4-Chlorotoluene	2.827	3.187	-12.7	120	0.00
83 T	tert-Butylbenzene	2.547	3.019	-18.5	120	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.737	-22.6	120	0.00
85 T	sec-Butylbenzene	3.440	4.313	-25.4#	123	0.00
86 T	p-Isopropyltoluene	2.840	3.693	-30.0#	125	0.00
87 T	1,3-Dichlorobenzene	1.872	1.943	-3.8	118	0.00
88 T	1,4-Dichlorobenzene	1.911	1.942	-1.6	115	0.00
89 T	n-Butylbenzene	2.641	3.144	-19.0	123	0.00
90 T	Hexachloroethane	0.619	0.718	-16.0	124	0.00
91 T	1,2-Dichlorobenzene	1.794	1.810	-0.9	112	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.260	-11.6	124	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.944	3.2	109	0.00
94 T	Hexachlorobutadiene	0.450	0.456	-1.3	118	0.00
95 T	Naphthalene	2.776	2.992	-7.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	0.930	0.929	0.1	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	100	0.00
2 T	Dichlorodifluoromethane	50.000	44.359	11.3	89	0.00
3 P	Chloromethane	50.000	42.592	14.8	94	0.00
4 C	Vinyl Chloride	50.000	48.992	2.0#	100	0.00
5 T	Bromomethane	50.000	57.945	-15.9	123	0.04
6 T	Chloroethane	50.000	48.092	3.8	101	0.04
7 T	Trichlorofluoromethane	50.000	53.383	-6.8	110	0.03
8 T	Diethyl Ether	50.000	56.265	-12.5	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	54.976	-10.0	113	0.01
10 T	Methyl Iodide	50.000	48.159	3.7	97	0.01
11 T	Tert butyl alcohol	250.000	328.103	-31.2#	138	-0.02
12 CM	1,1-Dichloroethene	50.000	53.819	-7.6#	109	0.02
13 T	Acrolein	250.000	334.634	-33.9#	121	0.01
14 T	Allyl chloride	50.000	48.822	2.4	98	0.01
15 T	Acrylonitrile	250.000	300.877	-20.4	123	0.00
16 T	Acetone	250.000	370.827	-48.3#	151	0.00
17 T	Carbon Disulfide	50.000	48.964	2.1	104	0.01
18 T	Methyl Acetate	50.000	60.073	-20.1	121	0.00
19 T	Methyl tert-butyl Ether	50.000	58.641	-17.3	115	0.00
20 T	Methylene Chloride	50.000	53.113	-6.2	114	0.00
21 T	trans-1,2-Dichloroethene	50.000	54.029	-8.1	108	0.01
22 T	Diisopropyl ether	50.000	55.815	-11.6	112	0.00
23 T	Vinyl Acetate	250.000	305.508	-22.2	117	0.00
24 P	1,1-Dichloroethane	50.000	54.999	-10.0	113	0.01
25 T	2-Butanone	250.000	322.655	-29.1#	132	0.00
26 T	2,2-Dichloropropane	50.000	54.775	-9.5	111	0.01
27 T	cis-1,2-Dichloroethene	50.000	56.300	-12.6	115	0.01
28 T	Bromochloromethane	50.000	43.360	13.3	89	0.00
29 T	Tetrahydrofuran	250.000	325.304	-30.1#	128	0.00
30 C	Chloroform	50.000	55.353	-10.7#	115	0.00
31 T	Cyclohexane	50.000	50.369	-0.7	108	0.00
32 T	1,1,1-Trichloroethane	50.000	55.230	-10.5	113	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.000	-2.0	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	53.613	-7.2	104	0.00
36 T	1,1-Dichloropropene	50.000	57.518	-15.0	113	0.00
37 T	Ethyl Acetate	50.000	62.778	-25.6#	126	0.00
38 T	Carbon Tetrachloride	50.000	59.696	-19.4	115	0.00
39 T	Methylcyclohexane	50.000	60.980	-22.0	112	0.00
40 TM	Benzene	50.000	55.734	-11.5	110	0.00
41 T	Methacrylonitrile	50.000	60.938	-21.9	119	0.00
42 TM	1,2-Dichloroethane	50.000	59.637	-19.3	120	0.00
43 T	Isopropyl Acetate	50.000	59.842	-19.7	134	0.00
44 TM	Trichloroethene	50.000	58.195	-16.4	117	0.00
45 C	1,2-Dichloropropane	50.000	57.347	-14.7#	114	0.00
46 T	Dibromomethane	50.000	59.757	-19.5	118	0.00
47 T	Bromodichloromethane	50.000	60.258	-20.5	118	0.00
48 T	Methyl methacrylate	50.000	67.720	-35.4#	129	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 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	1457.126	-45.7#	136	0.00
50 S	Toluene-d8	50.000	53.987	-8.0	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	347.299	-38.9#	132	0.00
52 CM	Toluene	50.000	61.119	-22.2#	115	0.00
53 T	t-1,3-Dichloropropene	50.000	61.118	-22.2	114	0.00
54 T	cis-1,3-Dichloropropene	50.000	60.963	-21.9	115	0.00
55 T	1,1,2-Trichloroethane	50.000	61.496	-23.0	119	0.00
56 T	Ethyl methacrylate	50.000	70.497	-41.0#	124	0.00
57 T	1,3-Dichloropropane	50.000	59.747	-19.5	117	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	280.990	-12.4	92	0.00
59 T	2-Hexanone	250.000	351.625	-40.6#	130	0.00
60 T	Dibromochloromethane	50.000	62.448	-24.9	123	0.00
61 T	1,2-Dibromoethane	50.000	62.224	-24.4	122	0.00
62 S	4-Bromofluorobenzene	50.000	56.039	-12.1	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	58.408	-16.8	119	0.00
65 PM	Chlorobenzene	50.000	58.266	-16.5	121	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	61.967	-23.9	124	0.00
67 C	Ethyl Benzene	50.000	63.337	-26.7#	119	0.00
68 T	m/p-Xylenes	100.000	127.766	-27.8#	121	0.00
69 T	o-Xylene	50.000	64.428	-28.9#	121	0.00
70 T	Styrene	50.000	67.883	-35.8#	125	0.00
71 P	Bromoform	50.000	67.320	-34.6#	128	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	60.785	-21.6	123	0.00
74 T	N-amyl acetate	50.000	63.094	-26.2#	123	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	52.916	-5.8	121	0.00
76 T	1,2,3-Trichloropropane	50.000	49.775	0.5	105	0.00
77 T	Bromobenzene	50.000	55.620	-11.2	120	0.00
78 T	n-propylbenzene	50.000	62.752	-25.5#	126	0.00
79 T	2-Chlorotoluene	50.000	57.227	-14.5	122	0.00
80 T	1,3,5-Trimethylbenzene	50.000	62.790	-25.6#	123	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	60.338	-20.7	127	0.00
82 T	4-Chlorotoluene	50.000	56.362	-12.7	120	0.00
83 T	tert-Butylbenzene	50.000	59.272	-18.5	120	0.00
84 T	1,2,4-Trimethylbenzene	50.000	61.328	-22.7	120	0.00
85 T	sec-Butylbenzene	50.000	62.691	-25.4#	123	0.00
86 T	p-Isopropyltoluene	50.000	65.018	-30.0#	125	0.00
87 T	1,3-Dichlorobenzene	50.000	51.875	-3.8	118	0.00
88 T	1,4-Dichlorobenzene	50.000	50.815	-1.6	115	0.00
89 T	n-Butylbenzene	50.000	59.518	-19.0	123	0.00
90 T	Hexachloroethane	50.000	57.956	-15.9	124	0.00
91 T	1,2-Dichlorobenzene	50.000	50.441	-0.9	112	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	55.854	-11.7	124	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.409	3.2	109	0.00
94 T	Hexachlorobutadiene	50.000	50.659	-1.3	118	0.00
95 T	Naphthalene	50.000	53.899	-7.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 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	49.972	0.1	108	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



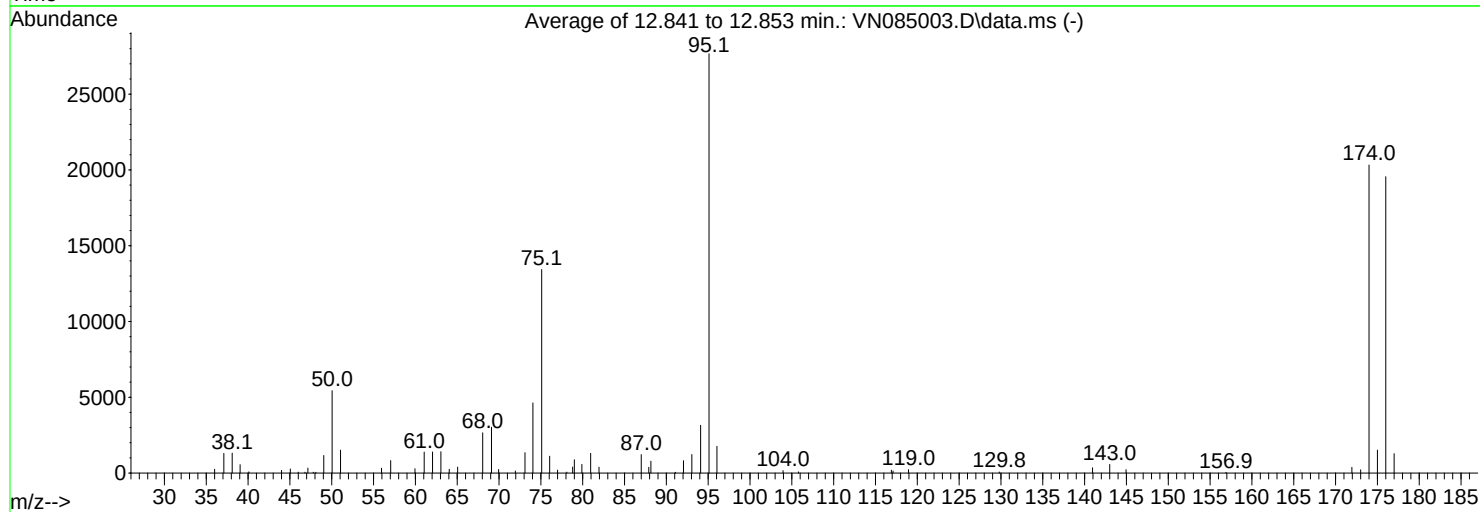
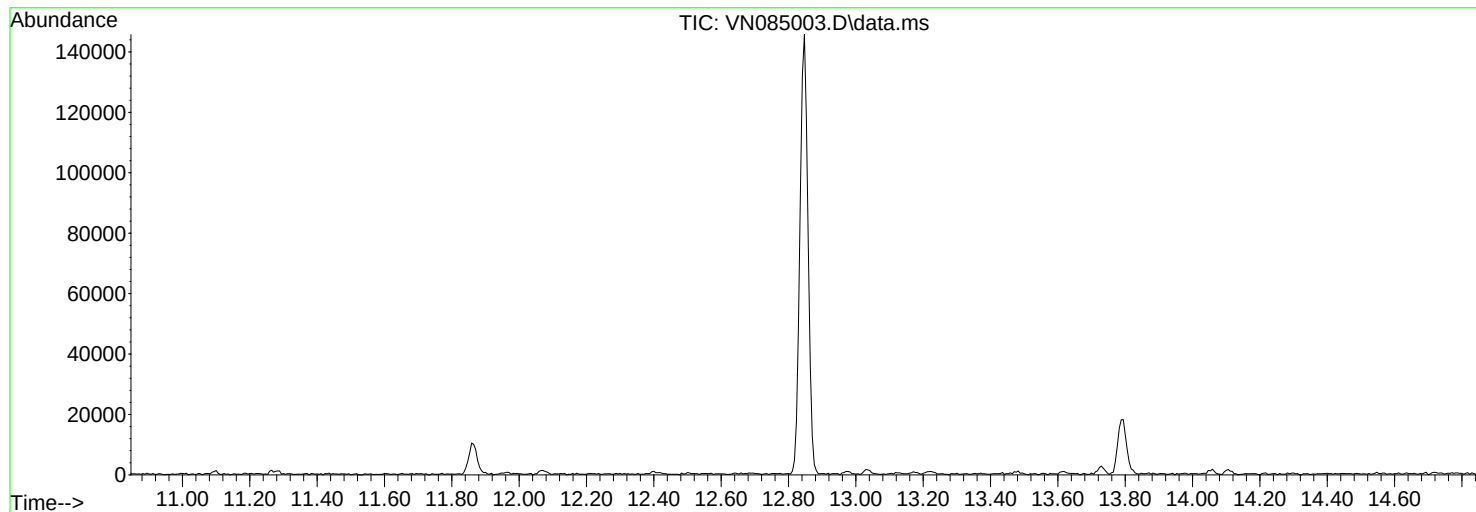
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085003.D
Acq On : 22 Nov 2024 09:29
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\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

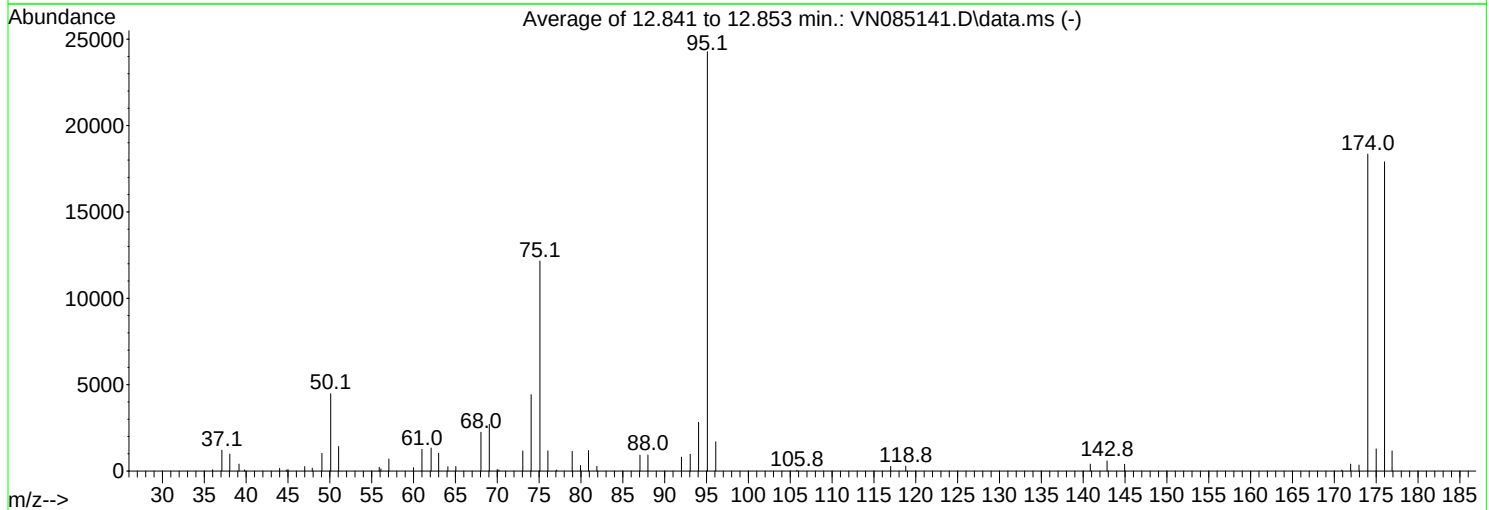
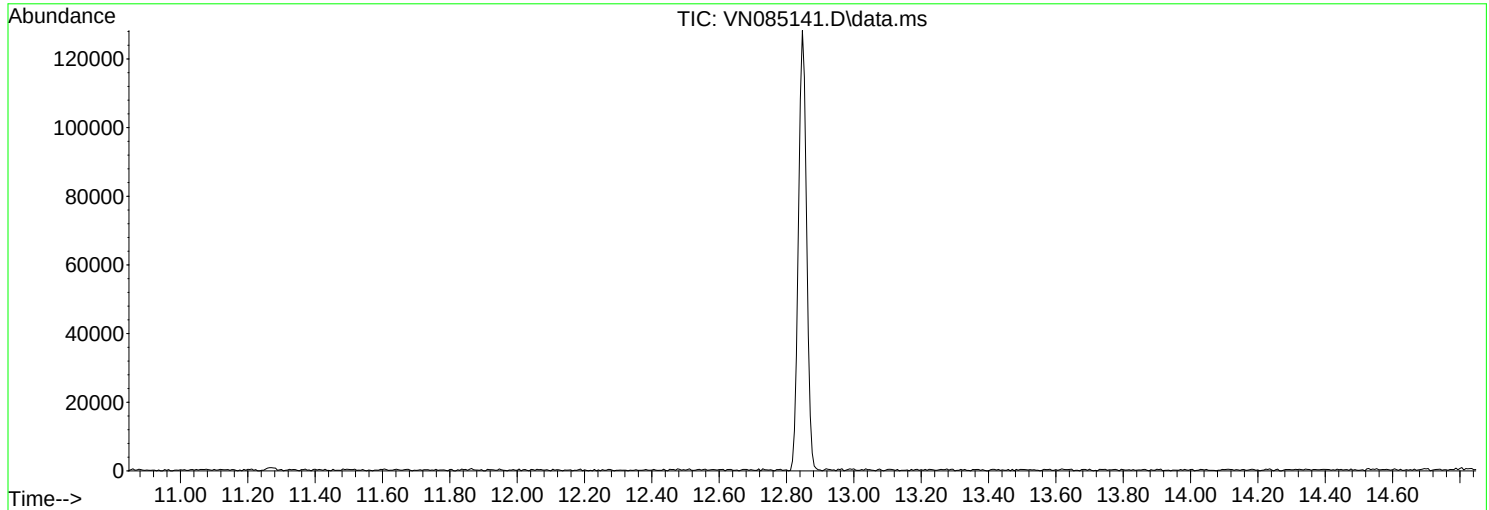
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	5439	PASS
75	95	30	60	48.5	13431	PASS
95	95	100	100	100.0	27667	PASS
96	95	5	9	6.4	1766	PASS
173	174	0.00	2	1.1	216	PASS
174	95	50	100	73.5	20325	PASS
175	174	5	9	7.5	1518	PASS
176	174	95	101	96.2	19555	PASS
177	176	5	9	6.6	1282	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085141.D
Acq On : 09 Dec 2024 09:58
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\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	4480	PASS
75	95	30	60	50.1	12157	PASS
95	95	100	100	100.0	24272	PASS
96	95	5	9	7.0	1696	PASS
173	174	0.00	2	1.9	347	PASS
174	95	50	100	75.6	18349	PASS
175	174	5	9	7.0	1283	PASS
176	174	95	101	97.6	17900	PASS
177	176	5	9	6.5	1169	PASS

Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBL01	SDG No.:	P5117
Lab Sample ID:	VN1209WBL01	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
VN085143.D	1		12/09/24 11:11	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.4		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		85 - 114		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	134000	8.224				
540-36-3	1,4-Difluorobenzene	228000	9.1				
3114-55-4	Chlorobenzene-d5	197000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	78400	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\VN120924\
 Data File : VN085143.D
 Acq On : 09 Dec 2024 11:11
 Operator : JC\MD
 Sample : VN1209WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBL01

Quant Time: Dec 10 04:57:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	133604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	197276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	78404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97776	51.377	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.760%	
35) Dibromofluoromethane	8.165	113	82024	53.422	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	106.840%	
50) Toluene-d8	10.565	98	267585	48.629	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.260%	
62) 4-Bromofluorobenzene	12.847	95	88149	42.837	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	85.680%	

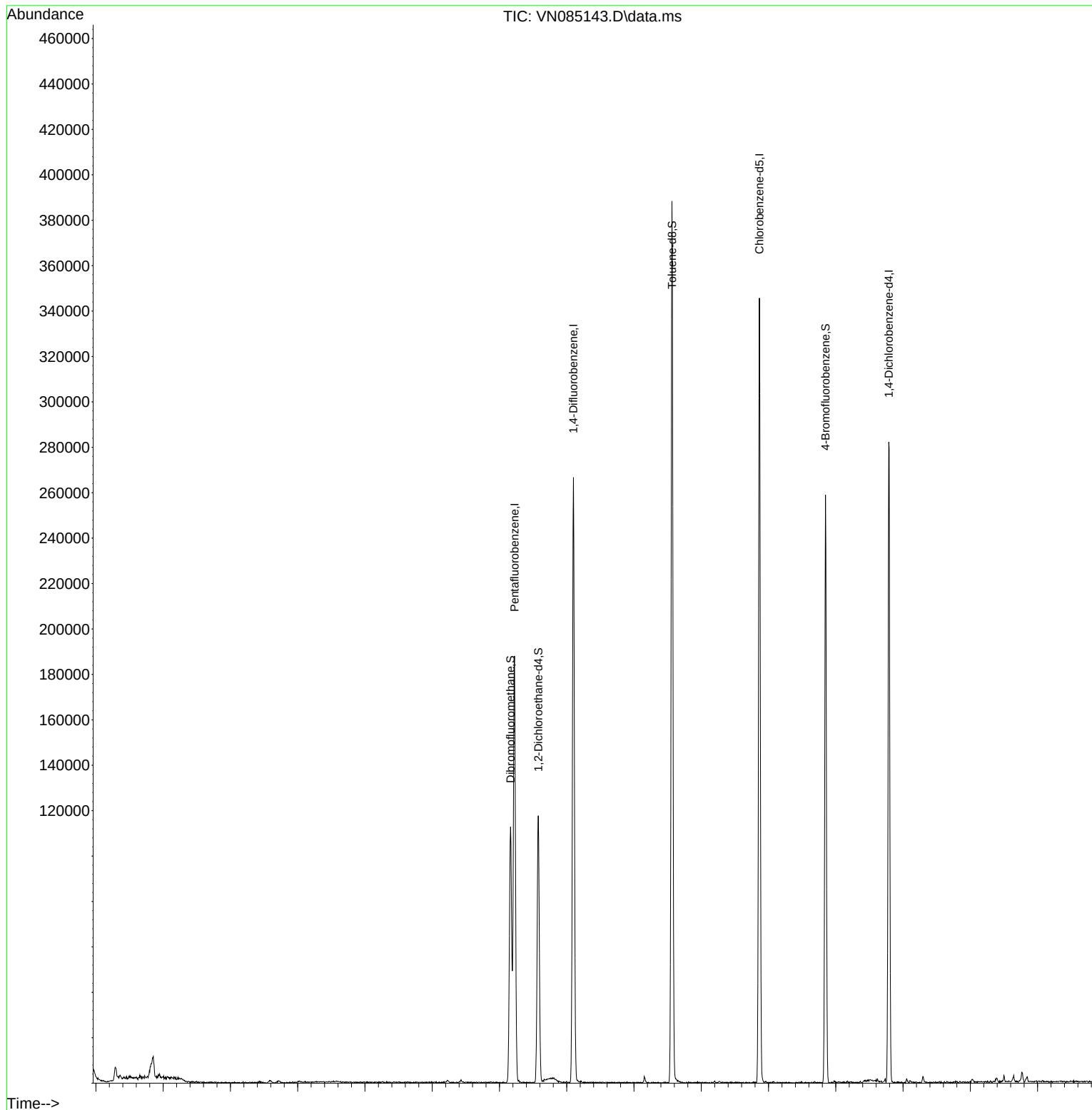
Target Compounds Qvalue

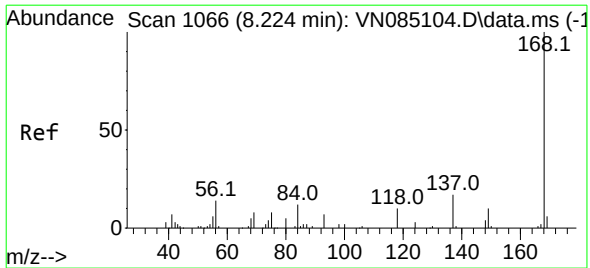
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085143.D
Acq On : 09 Dec 2024 11:11
Operator : JC\MD
Sample : VN1209WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

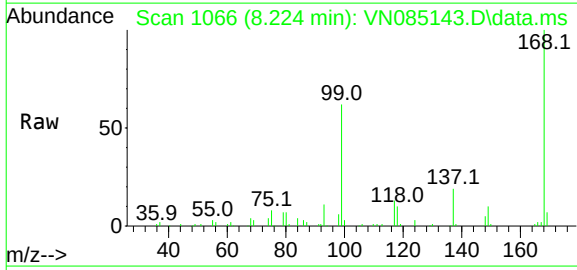
Quant Time: Dec 10 04:57:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



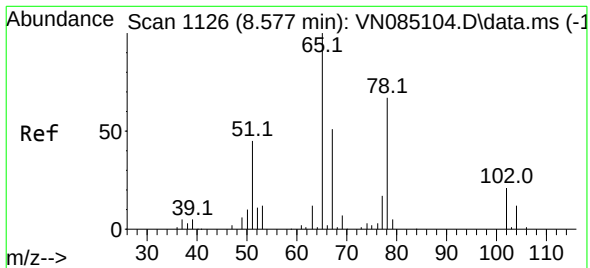
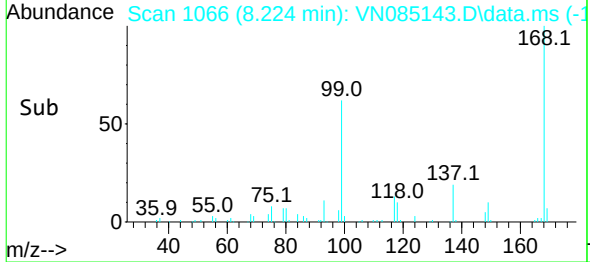
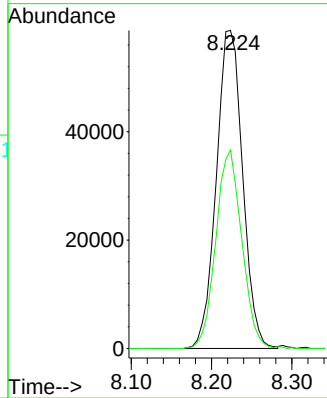


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBL01

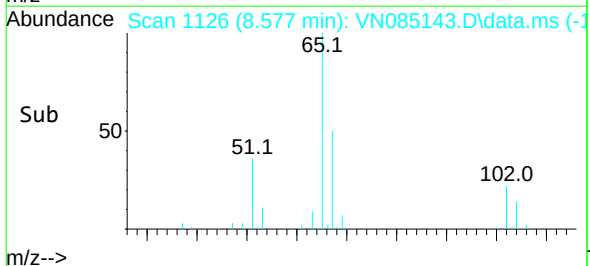
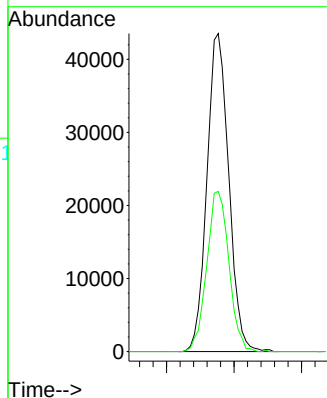
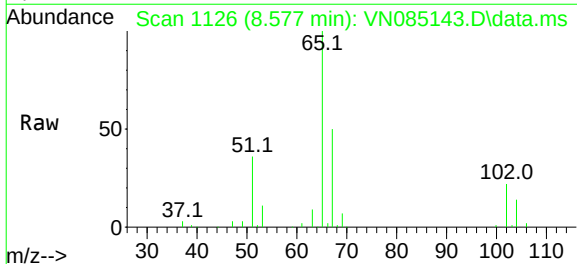


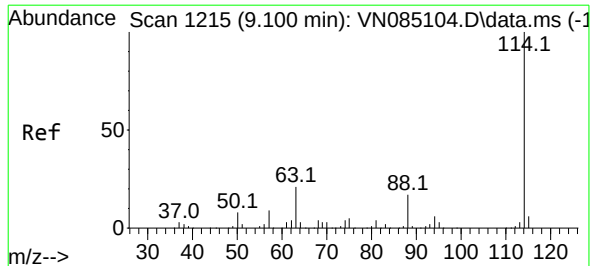
Tgt Ion:168 Resp: 133604
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 51.377 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085143.D
Acq: 09 Dec 2024 11:11

Tgt Ion: 65 Resp: 97776
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085143.D

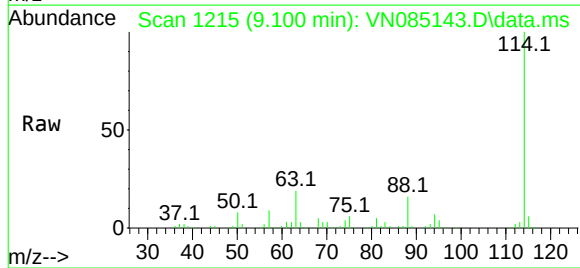
Acq: 09 Dec 2024 11:11

Instrument :

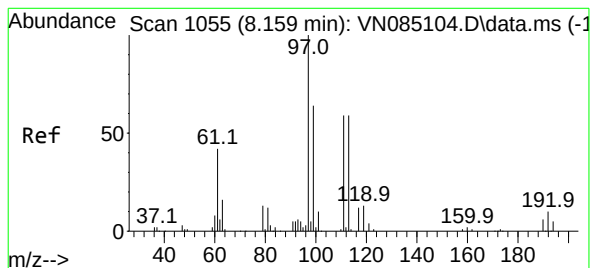
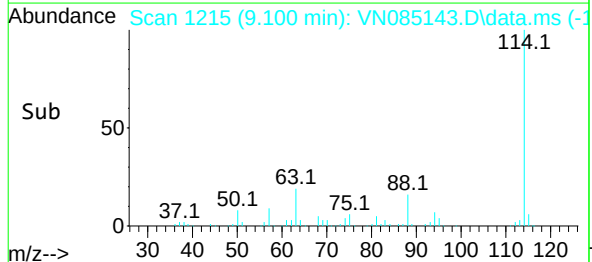
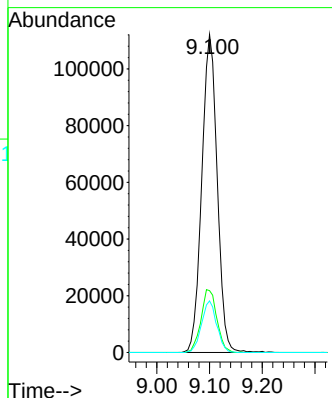
MSVOA_N

ClientSampleId :

VN1209WBL01



Tgt Ion:	114	Resp:	227682
Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	41.0
88	16.2	0.0	34.8



#35

Dibromofluoromethane

Concen: 53.422 ug/l

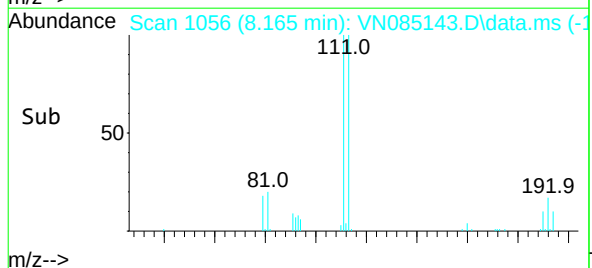
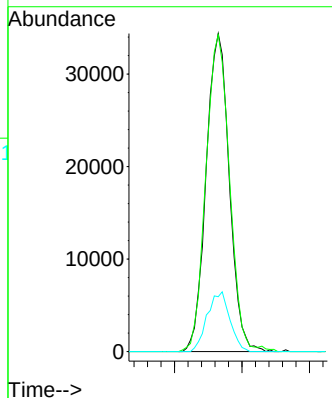
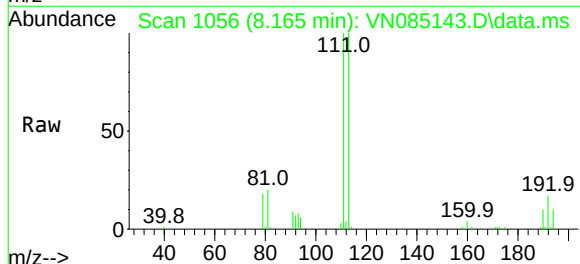
RT: 8.165 min Scan# 1056

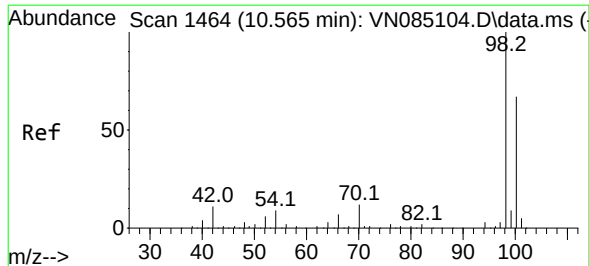
Delta R.T. 0.006 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

Tgt Ion:	113	Resp:	82024
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.0	123.0
192	18.3	14.8	22.2





#50

Toluene-d8

Concen: 48.629 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085143.D

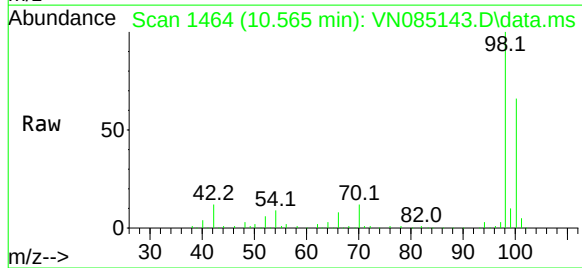
Acq: 09 Dec 2024 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBL01

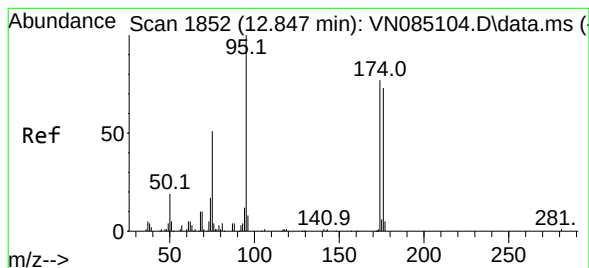
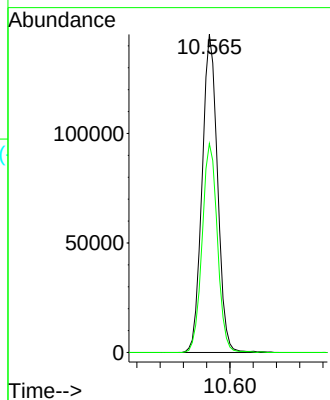
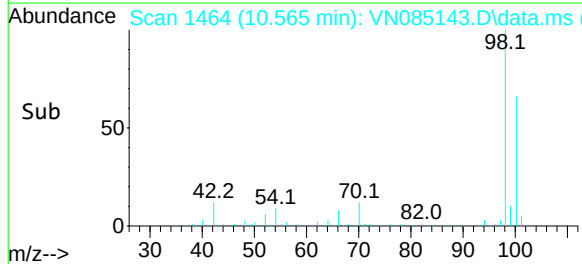


Tgt Ion: 98 Resp: 267585

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 42.837 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

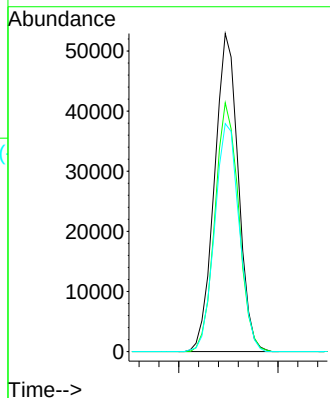
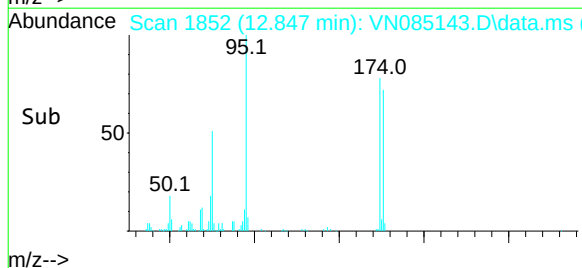
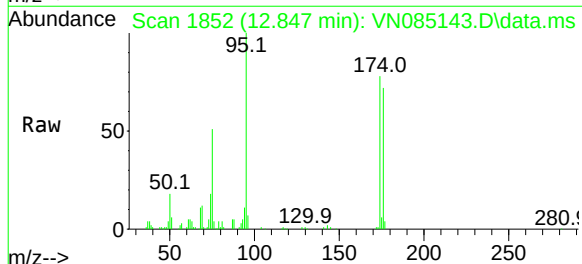
Tgt Ion: 95 Resp: 88149

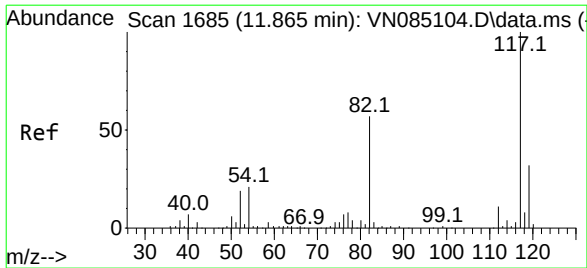
Ion Ratio Lower Upper

95 100

174 77.9 0.0 146.6

176 74.0 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBL01

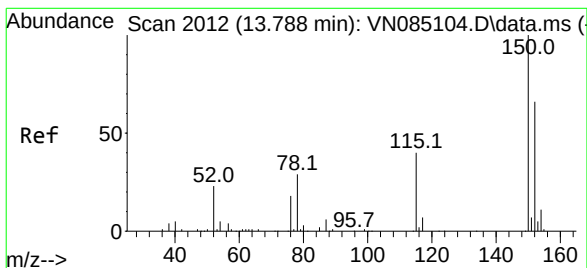
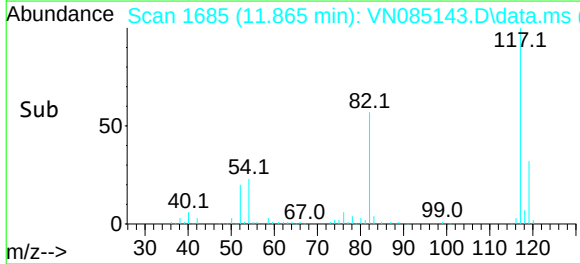
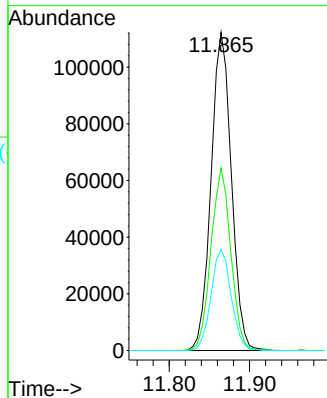
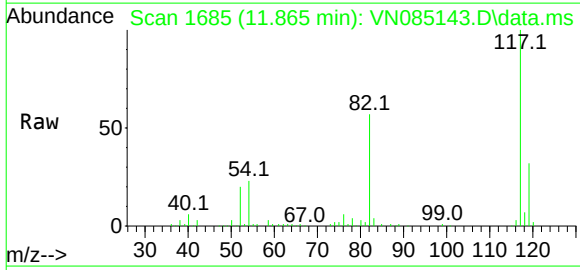
Tgt Ion:117 Resp: 197276

Ion Ratio Lower Upper

117 100

82 57.4 46.0 69.0

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085143.D

Acq: 09 Dec 2024 11:11

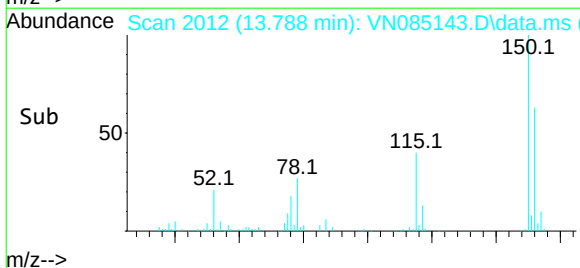
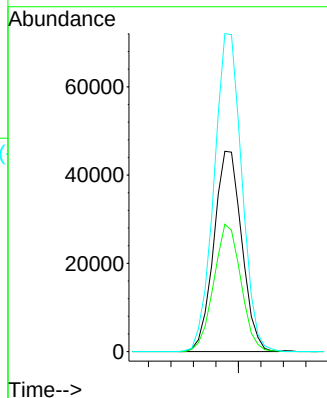
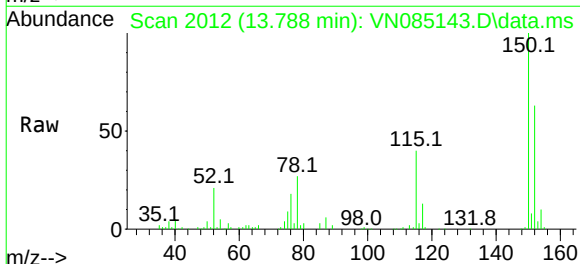
Tgt Ion:152 Resp: 78404

Ion Ratio Lower Upper

152 100

115 61.7 31.7 95.1

150 157.6 0.0 351.4



Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBS01	SDG No.:	P5117
Lab Sample ID:	VN1209WBS01	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
VN085144.D	1		12/09/24 11:35	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	15.7		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	16.8		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	98.2		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	0.50	1.00	ug/L
71-43-2	Benzene	18.6		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	20.8		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.8		81 - 118		92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	48.6		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	163000	8.224				
540-36-3	1,4-Difluorobenzene	260000	9.1				
3114-55-4	Chlorobenzene-d5	222000	11.865				
3855-82-1	1,4-Dichlorobenzene-d4	105000	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\VN120924\
 Data File : VN085144.D
 Acq On : 09 Dec 2024 11:35
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2024
 Supervised By : Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:57:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104600	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	106459	45.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.540%
35) Dibromofluoromethane	8.165	113	89046	50.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	10.565	98	305121	48.643	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.847	95	110888	47.272	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.540%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	26409	14.303	ug/l	94
3) Chloromethane	2.359	50	27604	12.890	ug/l	91
4) Vinyl Chloride	2.512	62	30286	15.737	ug/l	100
5) Bromomethane	2.954	94	21229	19.680	ug/l	95
6) Chloroethane	3.118	64	21103	16.268	ug/l	95
7) Trichlorofluoromethane	3.495	101	56705	17.321	ug/l	96
8) Diethyl Ether	3.959	74	18392	16.506	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	32533	17.521	ug/l	99
10) Methyl Iodide	4.589	142	35117	14.288	ug/l	96
11) Tert butyl alcohol	5.518	59	30573	98.362	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	29194	16.844	ug/l	96
13) Acrolein	4.183	56	17012	82.024	ug/l	95
14) Allyl chloride	5.024	41	42953	14.701	ug/l	96
15) Acrylonitrile	5.718	53	83368	94.738	ug/l	99
16) Acetone	4.430	43	74219	109.563	ug/l	97
17) Carbon Disulfide	4.712	76	80210	15.679	ug/l	99
18) Methyl Acetate	5.024	43	41204	18.303	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	97105	17.148	ug/l	98
20) Methylene Chloride	5.277	84	35121	16.990	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	31602	17.327	ug/l	95
22) Diisopropyl ether	6.671	45	103043	17.523	ug/l	99
23) Vinyl Acetate	6.606	43	351180	86.565	ug/l	98
24) 1,1-Dichloroethane	6.565	63	61913	17.594	ug/l	99
25) 2-Butanone	7.483	43	108793	98.232	ug/l	98
26) 2,2-Dichloropropane	7.489	77	57271	17.429	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	37413	17.016	ug/l	100
28) Bromochloromethane	7.812	49	24208	18.224	ug/l	91
29) Tetrahydrofuran	7.841	42	66904	97.142	ug/l	94
30) Chloroform	7.965	83	65806	17.580	ug/l	98
31) Cyclohexane	8.259	56	51467	16.611	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61775	18.262	ug/l	96
36) 1,1-Dichloropropene	8.371	75	42851	18.075	ug/l	97
37) Ethyl Acetate	7.565	43	42554	19.744	ug/l	98
38) Carbon Tetrachloride	8.365	117	54048	19.750	ug/l	94
39) Methylcyclohexane	9.600	83	42735	17.347	ug/l	97
40) Benzene	8.606	78	139262	18.573	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085144.D
 Acq On : 09 Dec 2024 11:35
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:57:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	22251	18.646	ug/l	95
42) 1,2-Dichloroethane	8.671	62	48342	18.845	ug/l	100
43) Isopropyl Acetate	8.688	43	72727	16.245	ug/l	98
44) Trichloroethene	9.353	130	33126	19.010	ug/l	86
45) 1,2-Dichloropropane	9.618	63	34338	18.593	ug/l	96
46) Dibromomethane	9.712	93	25247	19.674	ug/l	99
47) Bromodichloromethane	9.888	83	51682	19.002	ug/l	99
48) Methyl methacrylate	9.677	41	33500	20.109	ug/l	97
49) 1,4-Dioxane	9.694	88	13321	461.086	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	228689	111.838	ug/l	99
52) Toluene	10.630	92	88892	20.025	ug/l	98
53) t-1,3-Dichloropropene	10.830	75	49777	18.255	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	55624	19.228	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	34271	20.727	ug/l	98
56) Ethyl methacrylate	10.877	69	49811	20.617	ug/l	99
57) 1,3-Dichloropropane	11.159	76	54891	18.863	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	107728	90.899	ug/l	100
59) 2-Hexanone	11.194	43	169991	111.153	ug/l	99
60) Dibromochloromethane	11.359	129	40779	20.181	ug/l	99
61) 1,2-Dibromoethane	11.471	107	33148	19.372	ug/l	98
64) Tetrachloroethene	11.106	164	31073	20.769	ug/l	93
65) Chlorobenzene	11.888	112	92261	18.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35345	19.936	ug/l	98
67) Ethyl Benzene	11.965	91	156939	19.210	ug/l	99
68) m/p-Xylenes	12.071	106	121108	38.938	ug/l	99
69) o-Xylene	12.400	106	57985	19.599	ug/l	99
70) Styrene	12.412	104	98206	19.960	ug/l	99
71) Bromoform	12.576	173	28031	21.300	ug/l #	99
73) Isopropylbenzene	12.694	105	147544	19.995	ug/l	100
74) N-ethyl acetate	12.494	43	62083	20.417	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48508	19.251	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	34658m	18.216	ug/l	
77) Bromobenzene	12.982	156	38928	19.603	ug/l	99
78) n-propylbenzene	13.035	91	177101	20.808	ug/l	98
79) 2-Chlorotoluene	13.123	91	111085	19.552	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	125642	20.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17583	20.401	ug/l	93
82) 4-Chlorotoluene	13.218	91	112899	19.088	ug/l	99
83) tert-Butylbenzene	13.435	119	107573	20.191	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	126653	19.871	ug/l	99
85) sec-Butylbenzene	13.618	105	147809	20.537	ug/l	99
86) p-Isopropyltoluene	13.729	119	120791	20.331	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	68527	17.496	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	69227	17.319	ug/l	98
89) n-Butylbenzene	14.053	91	96140	17.401	ug/l	98
90) Hexachloroethane	14.335	117	25206	19.464	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65350	17.412	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9910	20.338	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	32298	15.840	ug/l	100
94) Hexachlorobutadiene	15.500	225	16431	17.460	ug/l	96
95) Naphthalene	15.641	128	91989	15.840	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	31678	16.282	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085144.D
Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

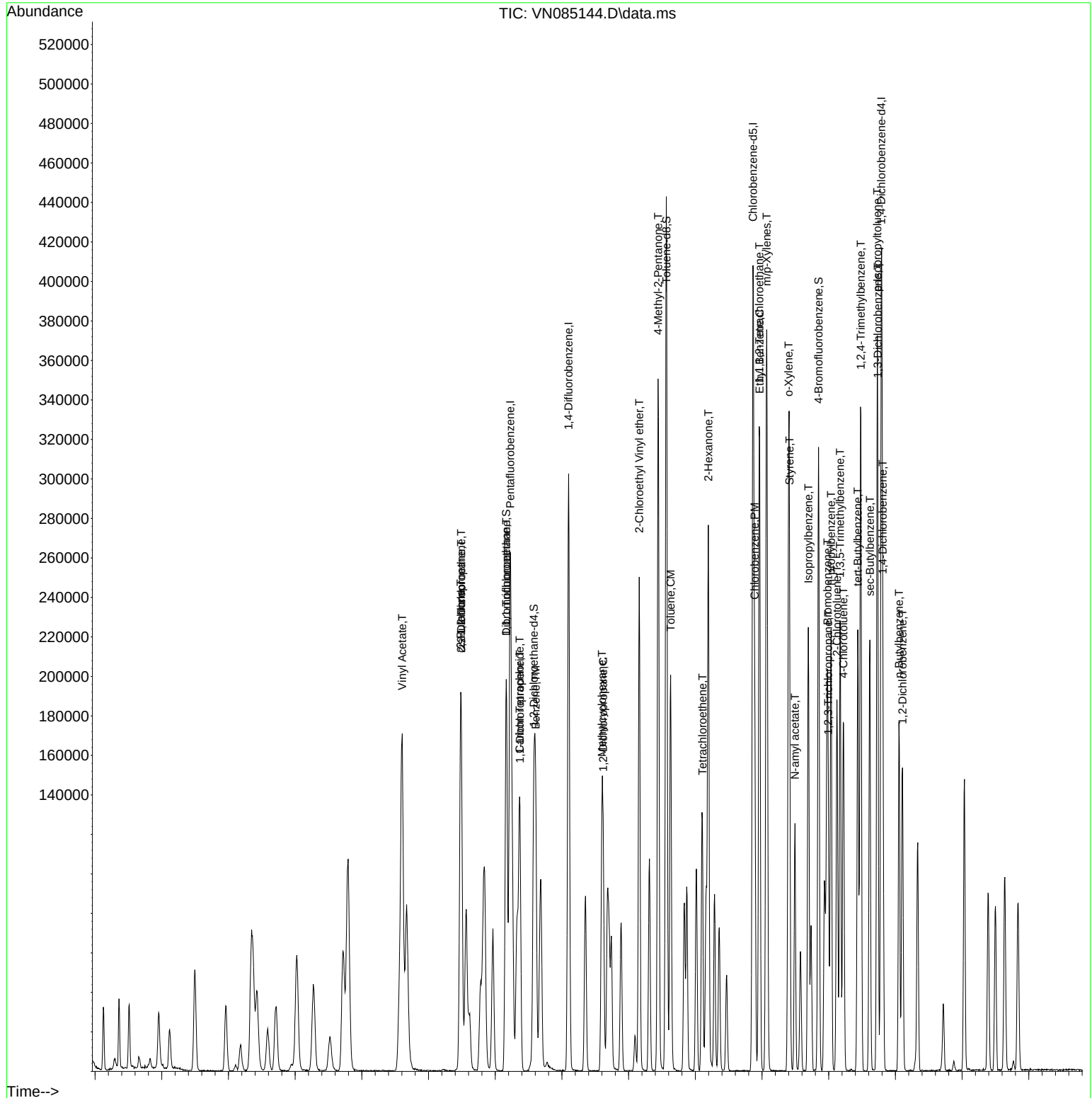
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\  
Data File : VN085144.D  
Acq On    : 09 Dec 2024  11:35  
Operator  : JC\MD  
Sample    : VN1209WBS01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 4    Sample Multiplier: 1
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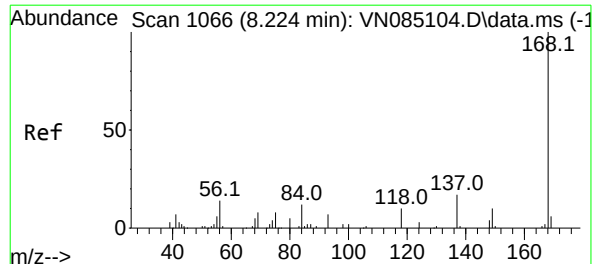
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Manual Integrations

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

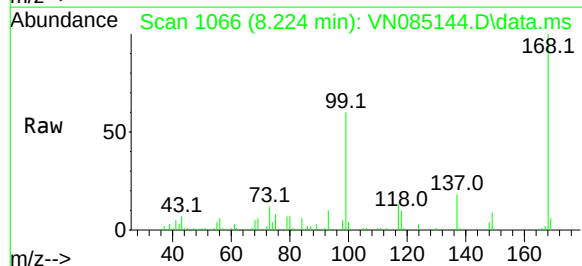
Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

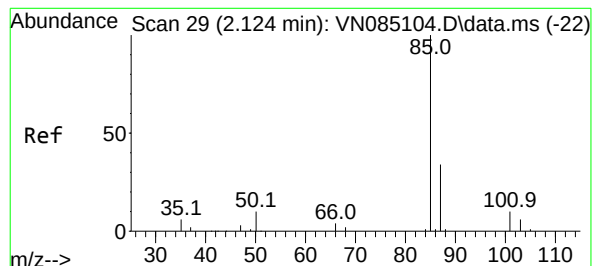
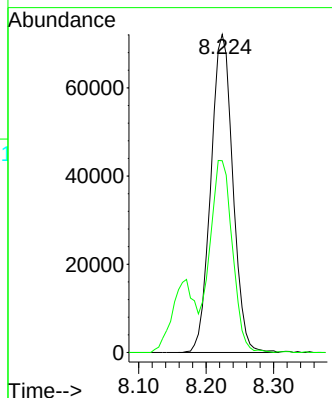
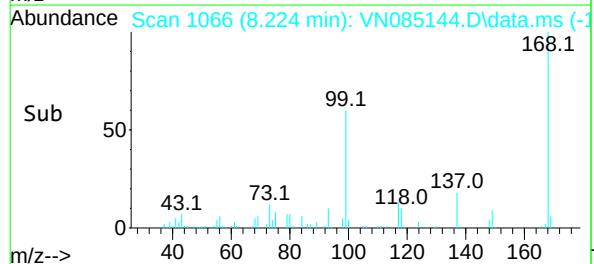
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01



Tgt Ion: 168 Resp: 163291
Ion Ratio Lower Upper
168 100
99 60.1 51.2 76.8

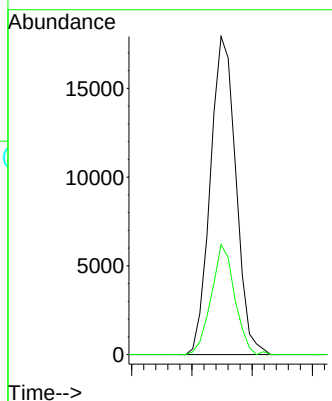
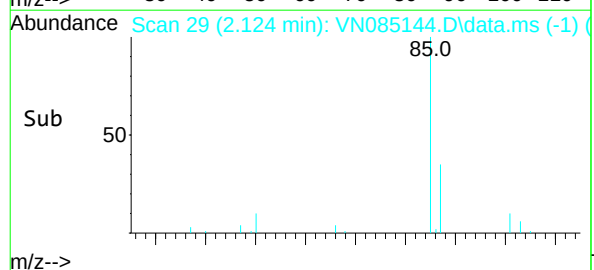
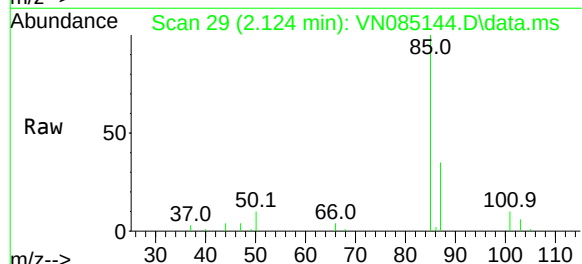
Manual Integrations
APPROVED

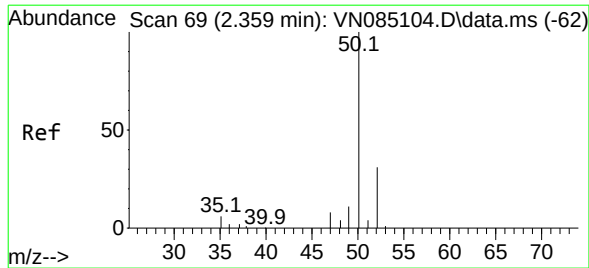
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#2
Dichlorodifluoromethane
Concen: 14.303 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 85 Resp: 26409
Ion Ratio Lower Upper
85 100
87 34.6 15.7 47.1





#3

Chloromethane

Concen: 12.890 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 50 Resp: 27604

Ion Ratio Lower Upper

50 100

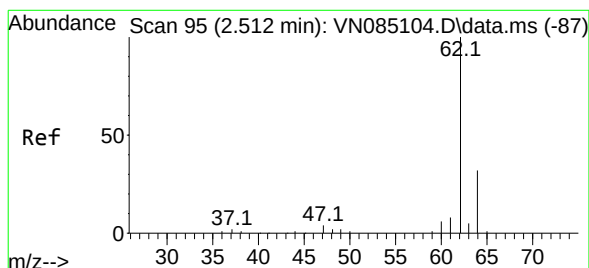
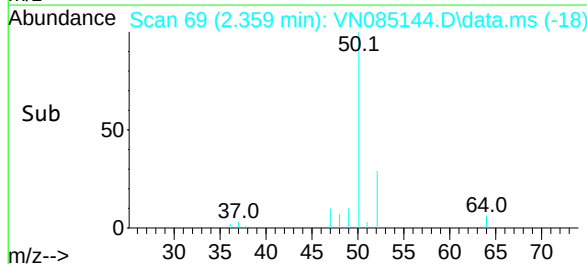
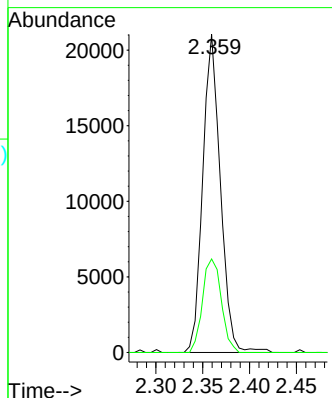
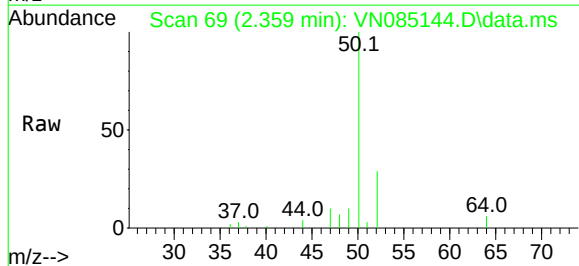
52 29.4 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#4

Vinyl Chloride

Concen: 15.737 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085144.D

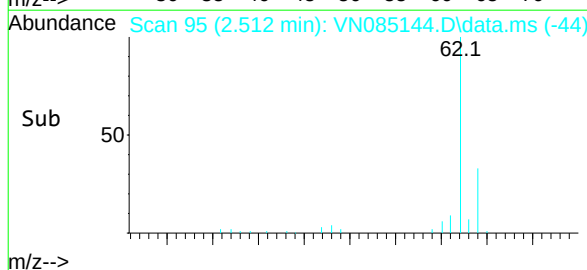
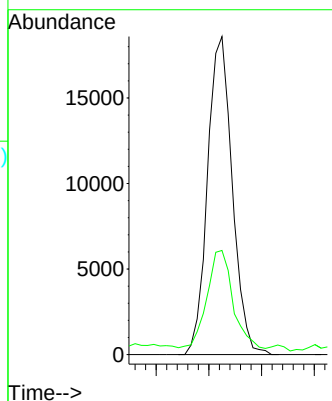
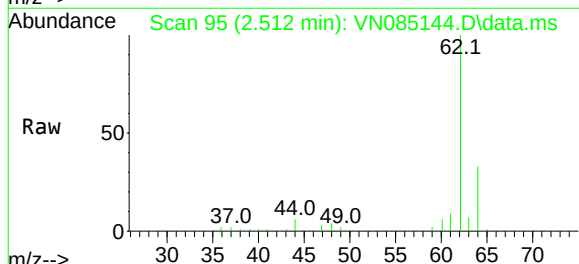
Acq: 09 Dec 2024 11:35

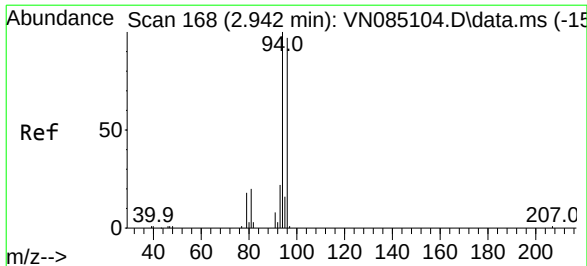
Tgt Ion: 62 Resp: 30286

Ion Ratio Lower Upper

62 100

64 30.6 24.6 36.8





#5

Bromomethane

Concen: 19.680 ug/l

RT: 2.954 min Scan# 17

Delta R.T. 0.053 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 94 Resp: 21229

Ion Ratio Lower Upper

94 100

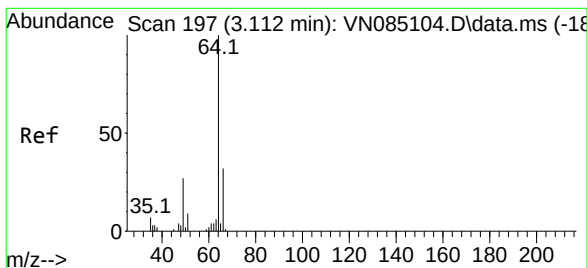
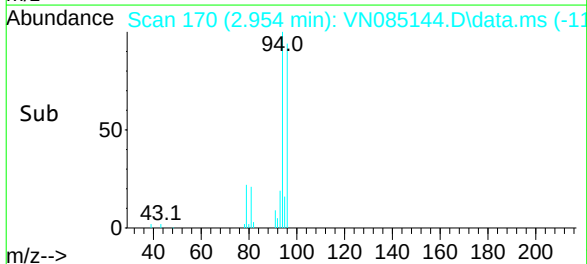
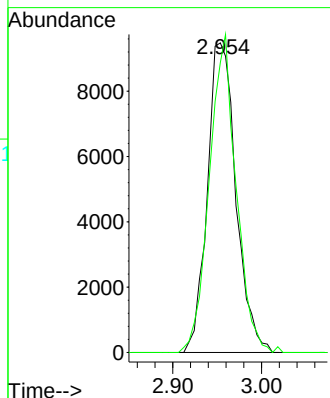
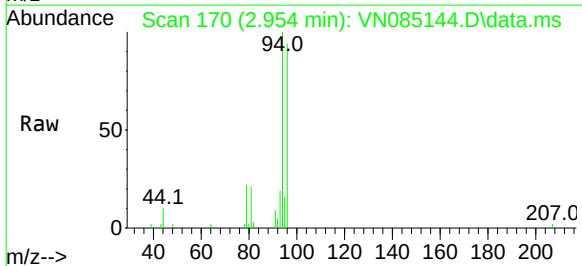
96 93.7 78.7 118.1

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#6

Chloroethane

Concen: 16.268 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.053 min

Lab File: VN085144.D

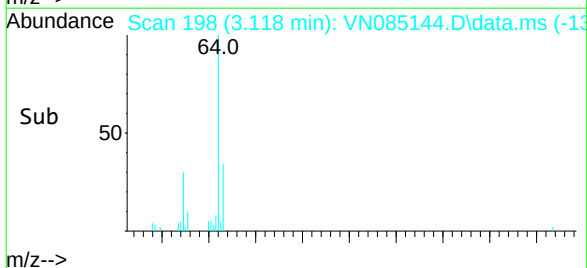
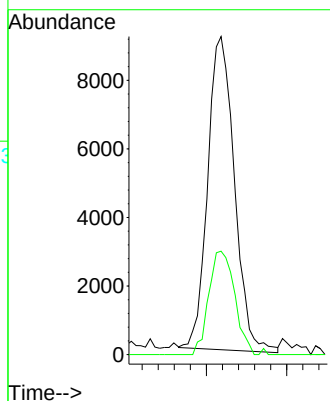
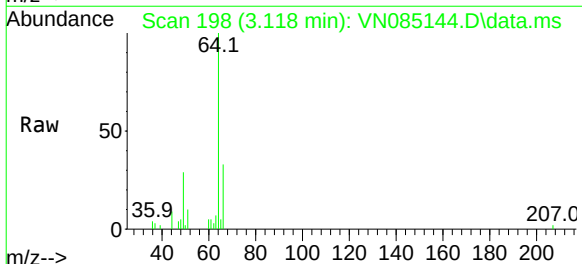
Acq: 09 Dec 2024 11:35

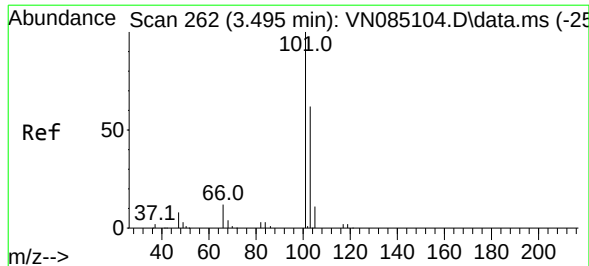
Tgt Ion: 64 Resp: 21103

Ion Ratio Lower Upper

64 100

66 33.3 24.4 36.6





#7

Trichlorofluoromethane

Concen: 17.321 ug/l

RT: 3.495 min Scan# 262

Delta R.T. 0.035 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:101 Resp: 56705

Ion Ratio Lower Upper

101 100

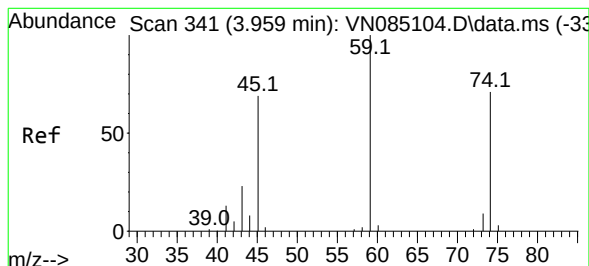
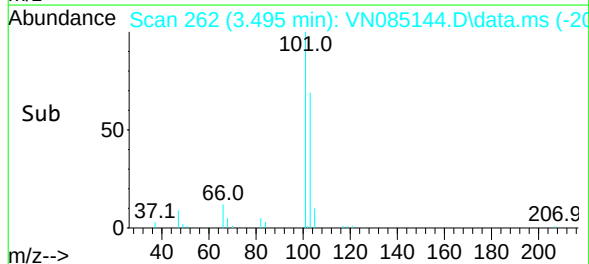
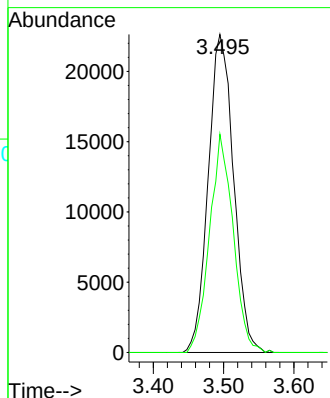
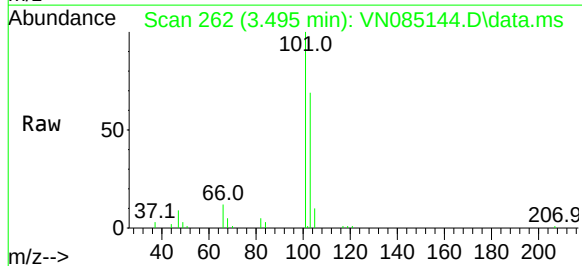
103 68.6 52.6 78.8

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#8

Diethyl Ether

Concen: 16.506 ug/l

RT: 3.959 min Scan# 341

Delta R.T. 0.012 min

Lab File: VN085144.D

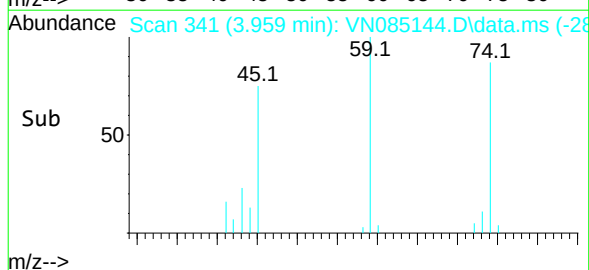
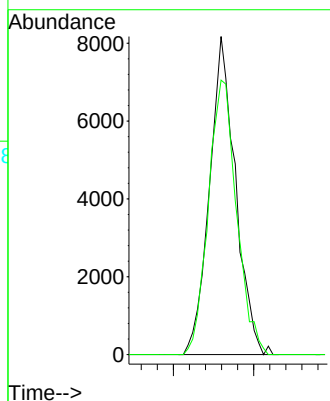
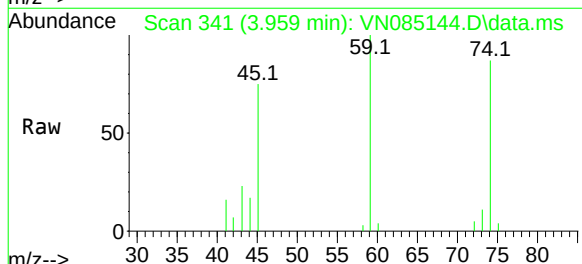
Acq: 09 Dec 2024 11:35

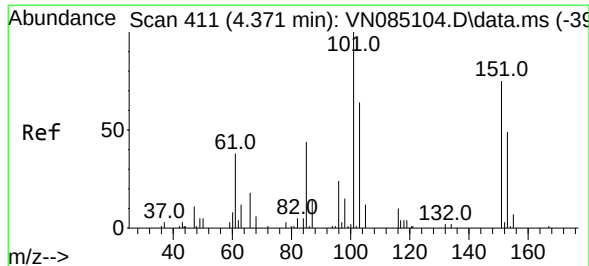
Tgt Ion: 74 Resp: 18392

Ion Ratio Lower Upper

74 100

45 93.5 46.7 140.1





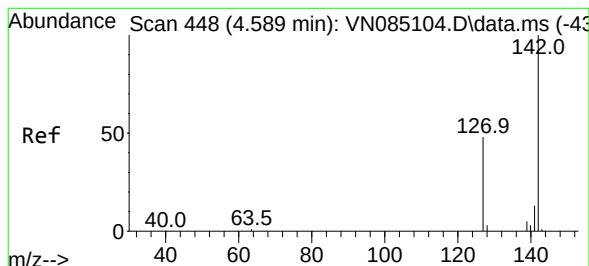
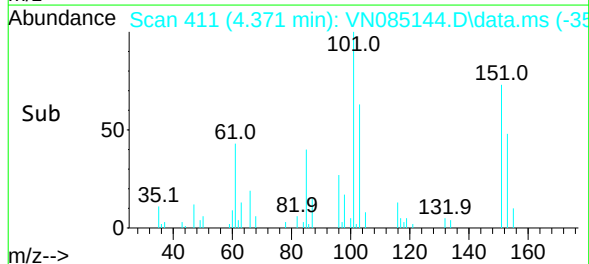
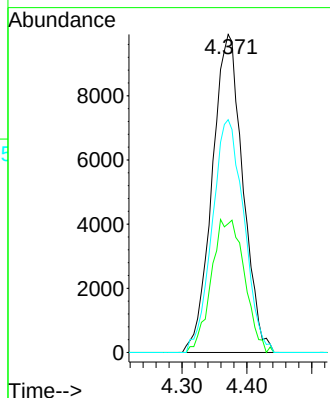
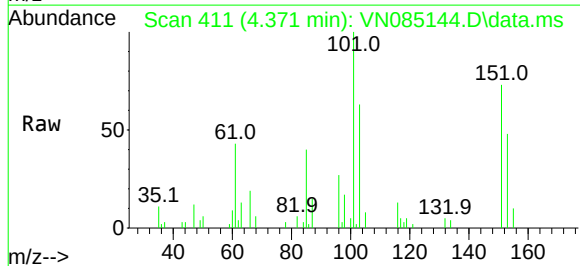
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.521 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.2	36.9	55.3
151	75.7	60.8	91.2

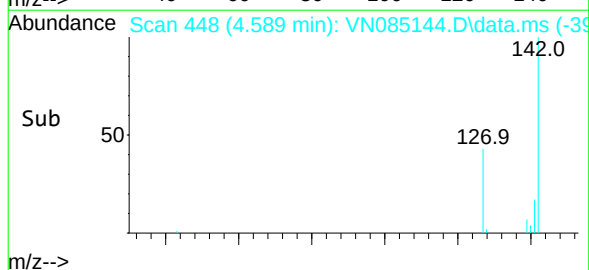
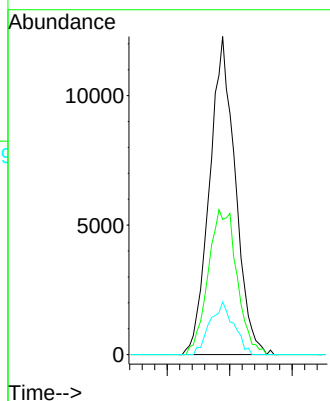
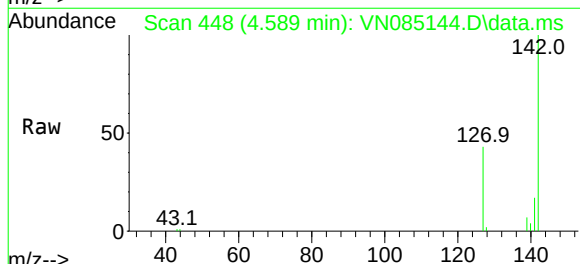
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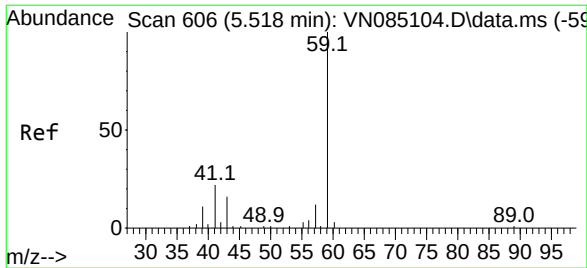
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10
Methyl Iodide
Concen: 14.288 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	36.6	54.8
141	16.6	12.2	18.4





#11

Tert butyl alcohol

Concen: 98.362 ug/l

RT: 5.518 min Scan# 606

Delta R.T. -0.024 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 59 Resp: 30573

Ion Ratio Lower Upper

59 100

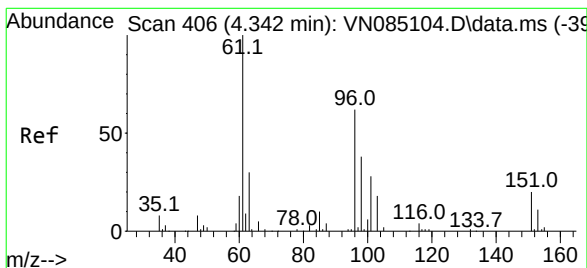
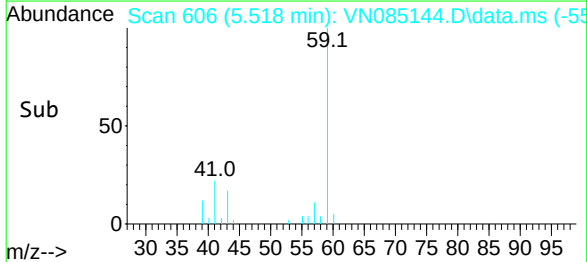
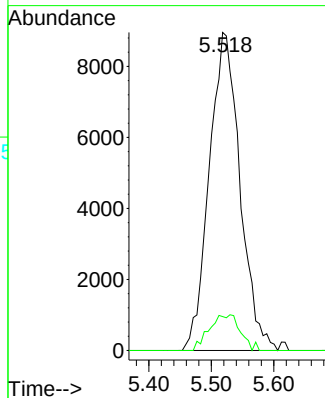
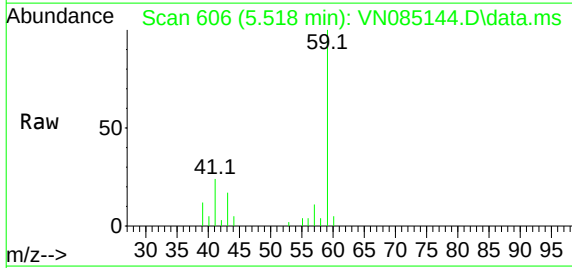
57 11.4 7.4 11.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 16.844 ug/l

RT: 4.336 min Scan# 405

Delta R.T. 0.018 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

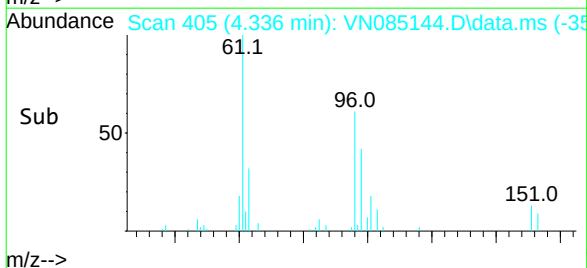
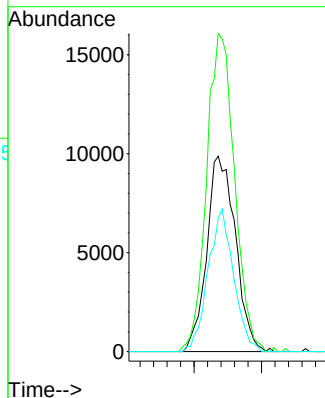
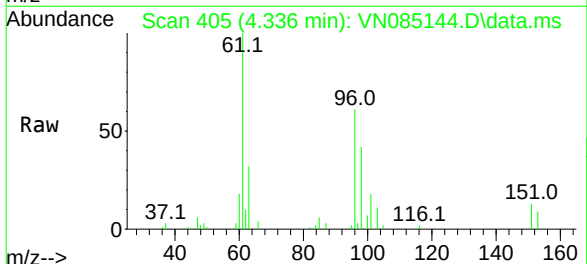
Tgt Ion: 96 Resp: 29194

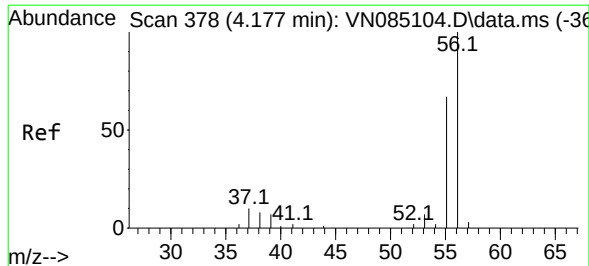
Ion Ratio Lower Upper

96 100

61 162.8 127.8 191.8

98 68.2 49.2 73.8





#13

Acrolein

Concen: 82.024 ug/l

RT: 4.183 min Scan# 37

Delta R.T. 0.018 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 56 Resp: 17012

Ion Ratio Lower Upper

56 100

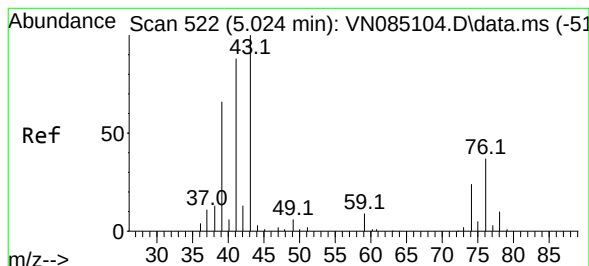
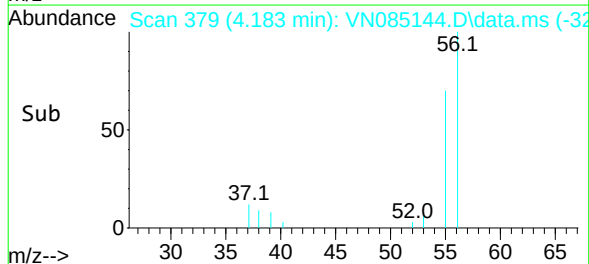
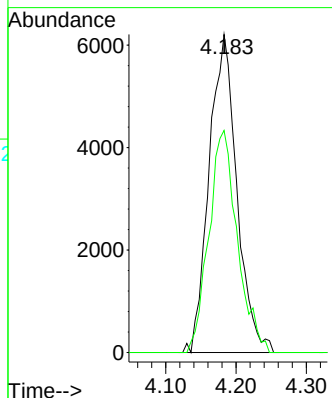
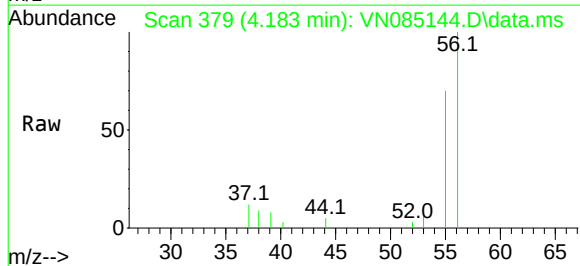
55 71.8 54.5 81.7

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 14.701 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.018 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

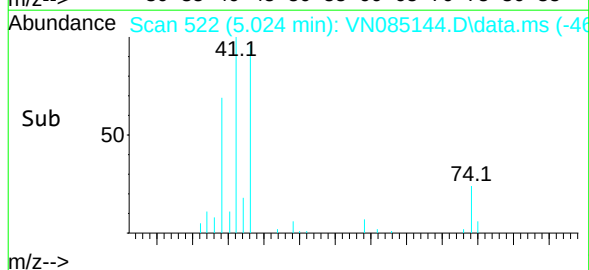
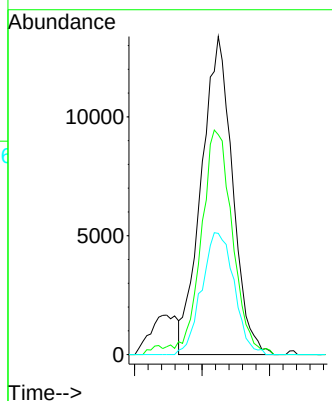
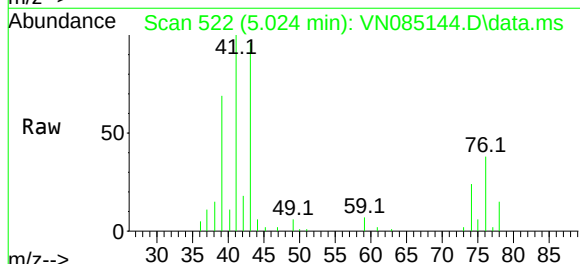
Tgt Ion: 41 Resp: 42953

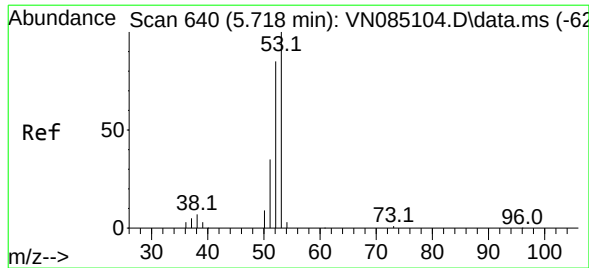
Ion Ratio Lower Upper

41 100

39 70.5 53.8 80.8

76 39.7 29.3 43.9





#15

Acrylonitrile

Concen: 94.738 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

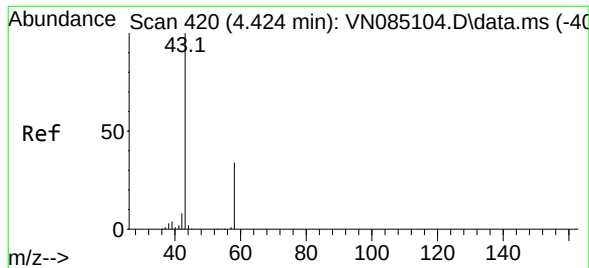
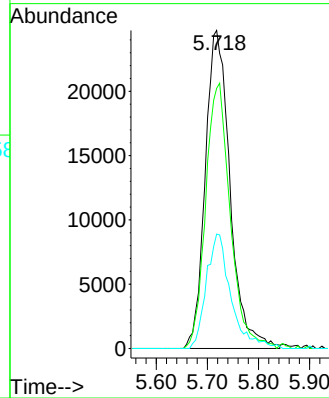
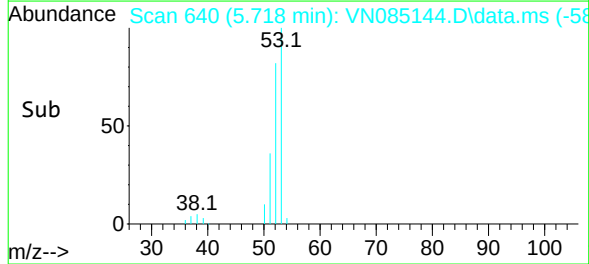
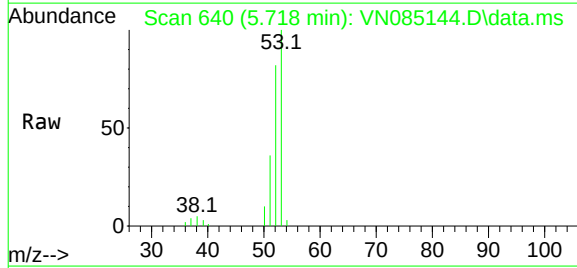
ClientSampleId :

VN1209WBS01

Tgt Ion:	53	Resp:	83368
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.5	98.3
51	35.7	28.4	42.6

Manual Integrations
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Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 109.563 ug/l

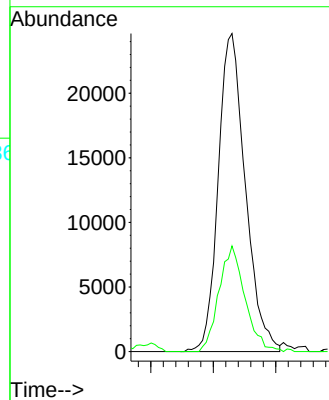
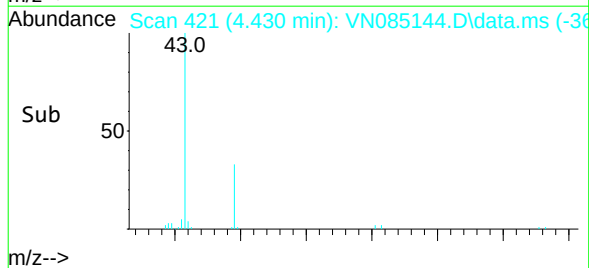
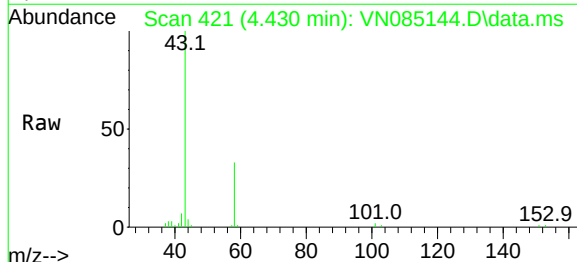
RT: 4.430 min Scan# 421

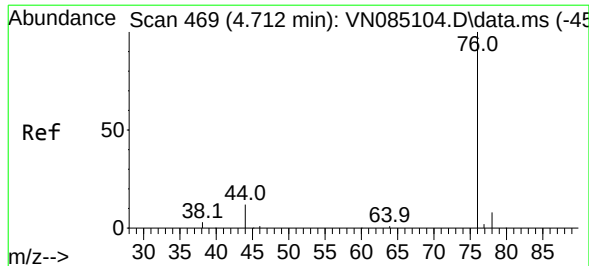
Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:	43	Resp:	74219
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.2





#17

Carbon Disulfide

Concen: 15.679 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.018 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 76 Resp: 80210

Ion Ratio Lower Upper

76 100

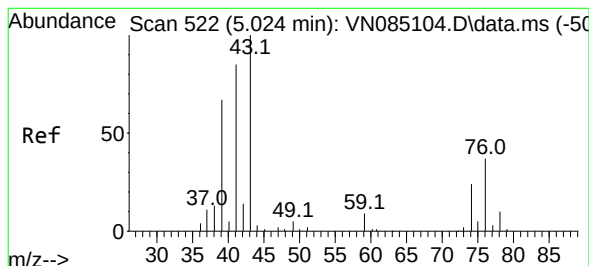
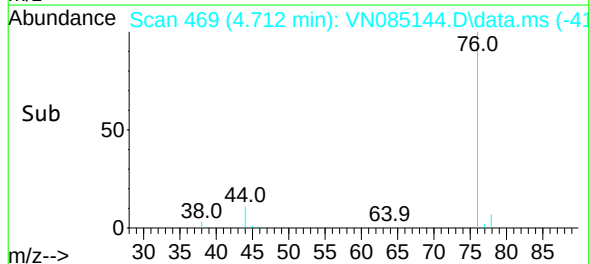
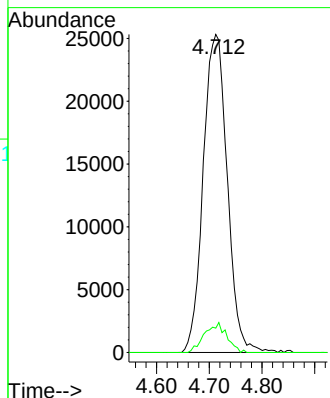
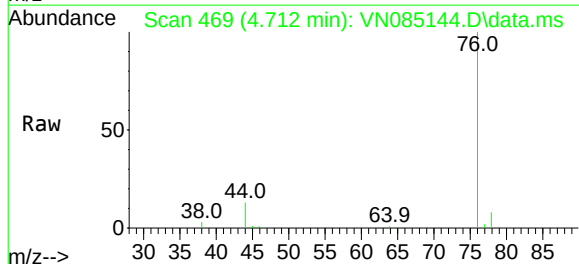
78 7.7 6.5 9.7

Manual Integrations

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Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 18.303 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085144.D

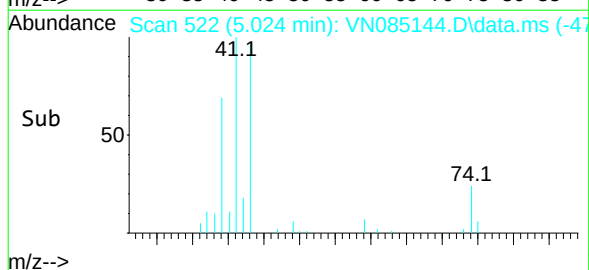
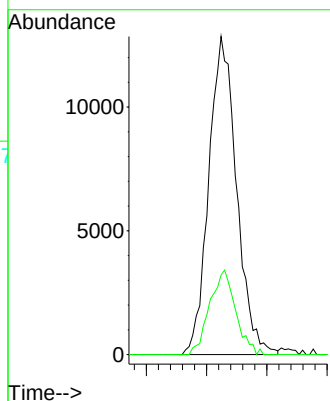
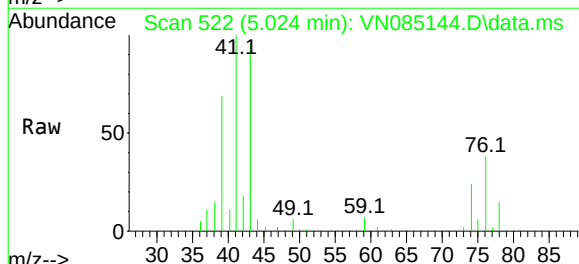
Acq: 09 Dec 2024 11:35

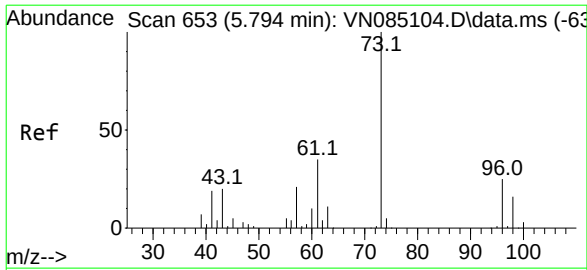
Tgt Ion: 43 Resp: 41204

Ion Ratio Lower Upper

43 100

74 24.8 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 17.148 ug/l

RT: 5.795 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 73 Resp: 97105

Ion Ratio Lower Upper

73 100

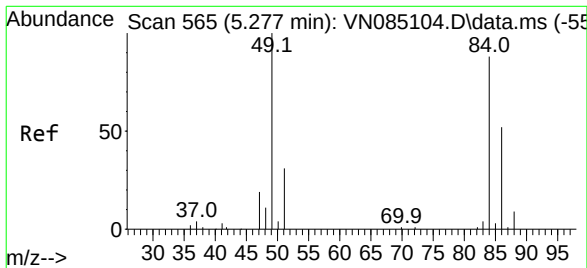
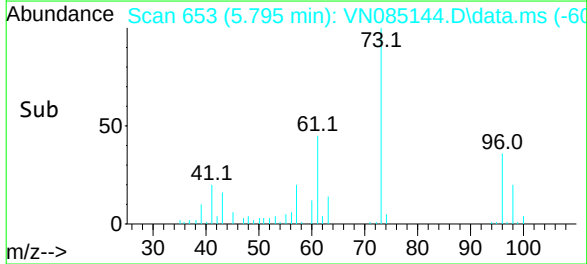
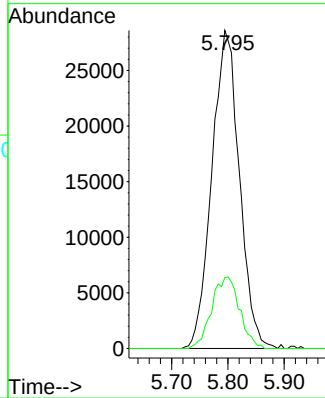
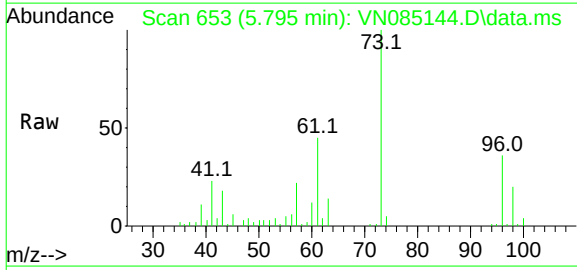
57 22.3 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 16.990 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.012 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion: 84 Resp: 35121

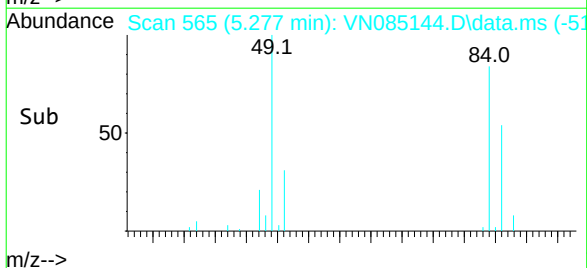
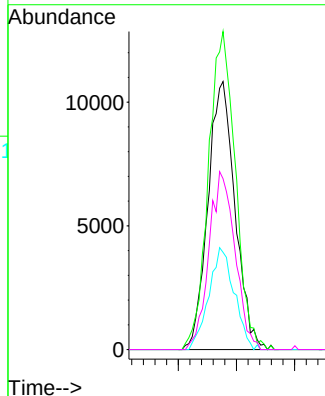
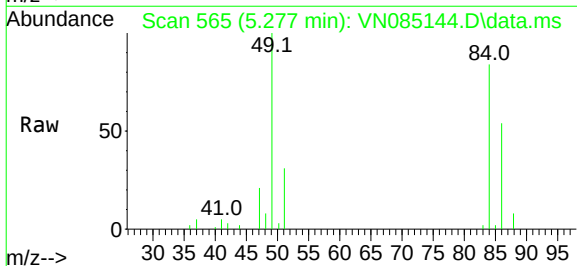
Ion Ratio Lower Upper

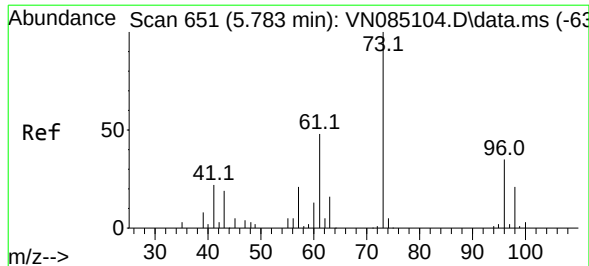
84 100

49 118.7 92.7 139.1

51 36.3 29.4 44.2

86 63.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 17.327 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.012 min

Lab File: VN085144.D

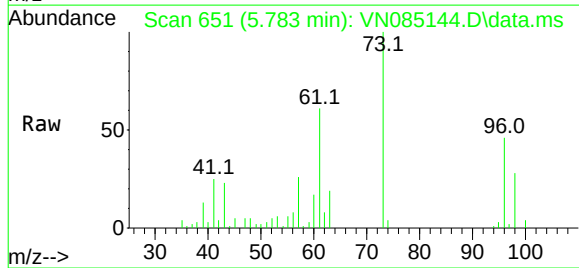
Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

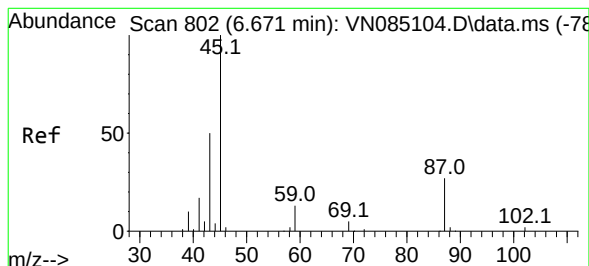
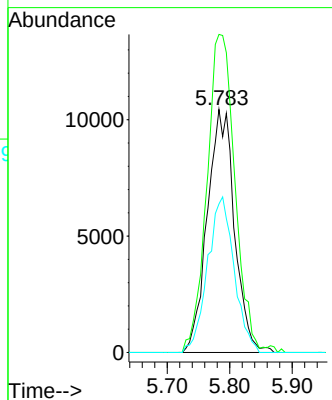
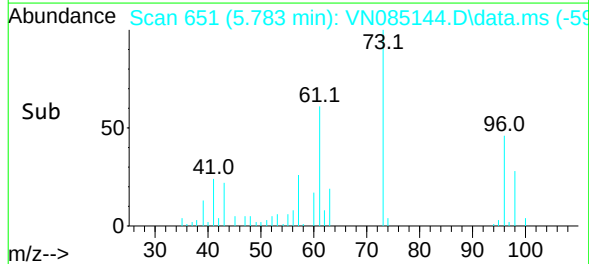
VN1209WBS01



Tgt Ion:	96	Resp:	31602
Ion	Ratio	Lower	Upper
96	100		
61	130.9	100.7	151.1
98	61.1	45.8	68.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

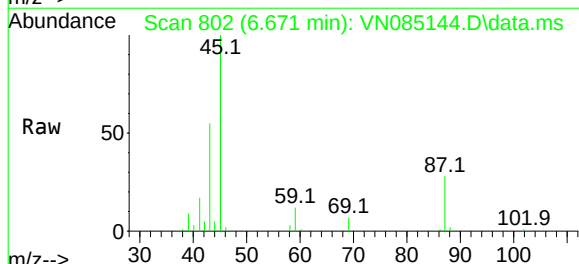
Concen: 17.523 ug/l

RT: 6.671 min Scan# 802

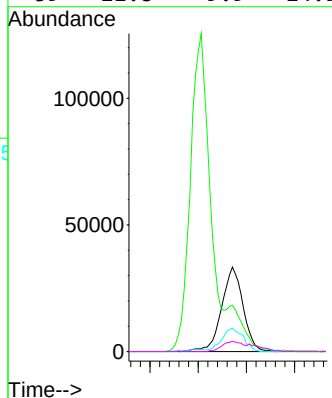
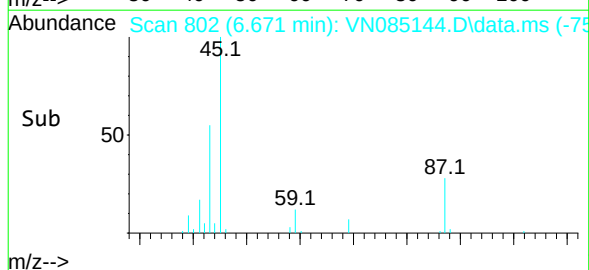
Delta R.T. 0.006 min

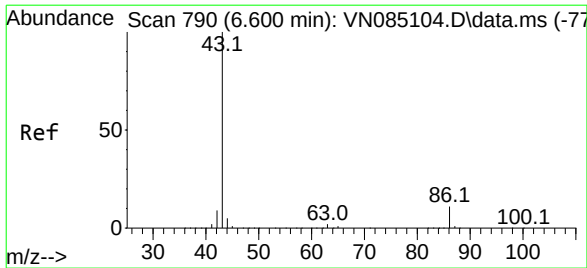
Lab File: VN085144.D

Acq: 09 Dec 2024 11:35



Tgt Ion:	45	Resp:	103043
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.7	64.1
87	27.8	22.6	34.0
59	11.8	9.9	14.9





#23

Vinyl Acetate

Concen: 86.565 ug/l

RT: 6.606 min Scan# 791

Delta R.T. 0.012 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 43 Resp: 351180

Ion Ratio Lower Upper

43 100

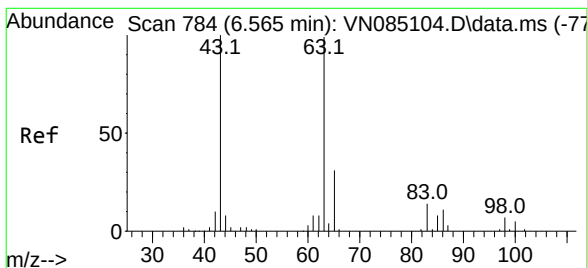
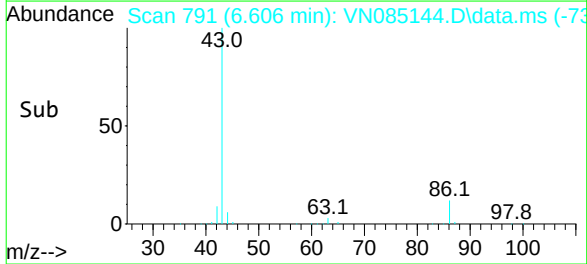
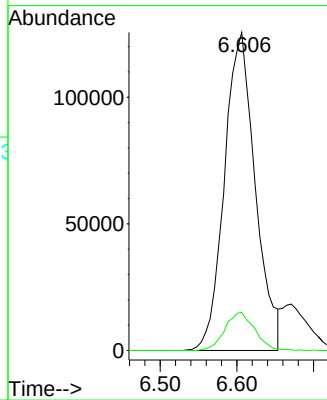
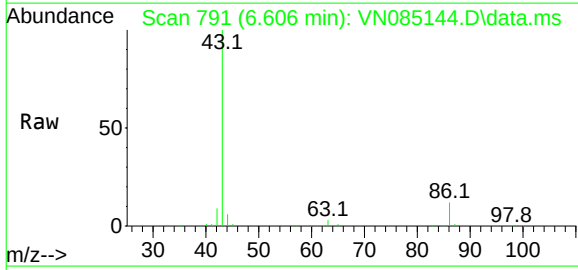
86 12.0 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 17.594 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.012 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

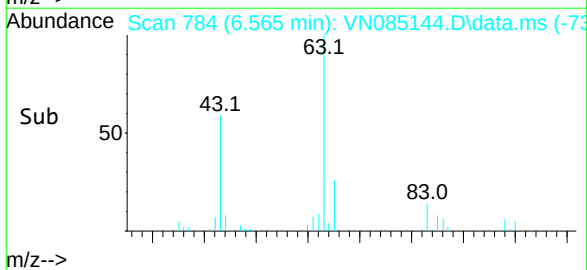
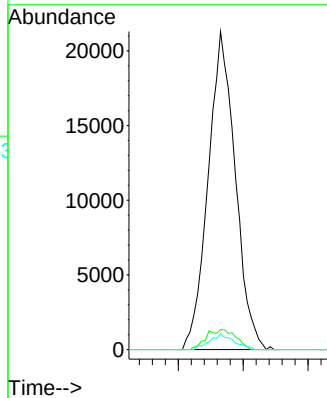
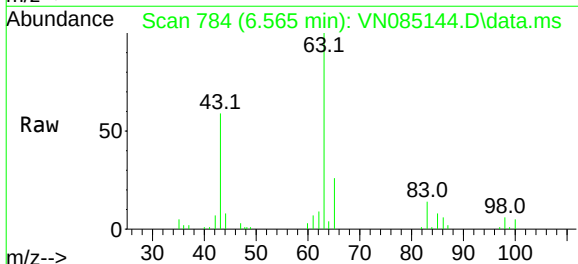
Tgt Ion: 63 Resp: 61913

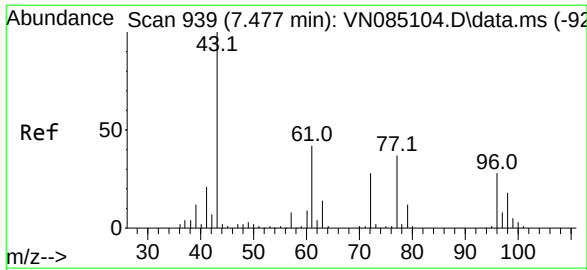
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 98.232 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 43 Resp: 108793

Ion Ratio Lower Upper

43 100

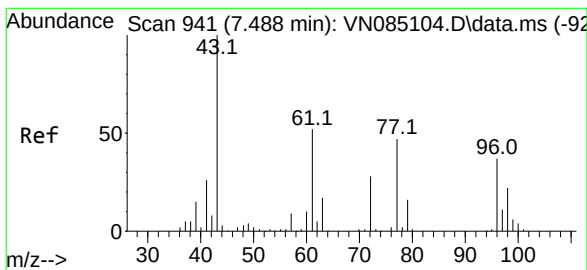
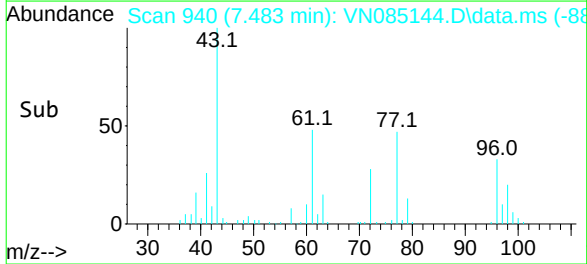
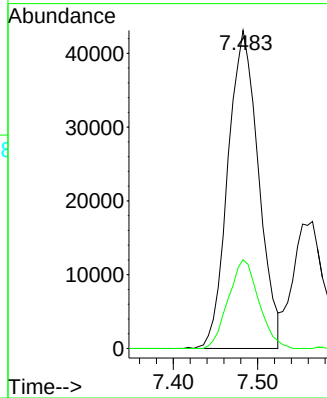
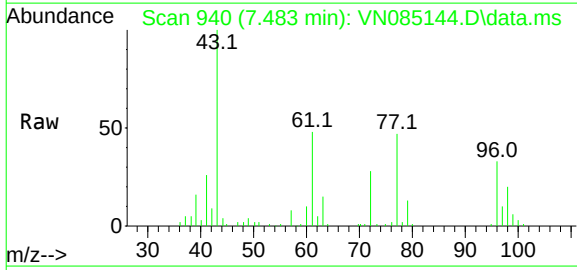
72 27.9 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 17.429 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085144.D

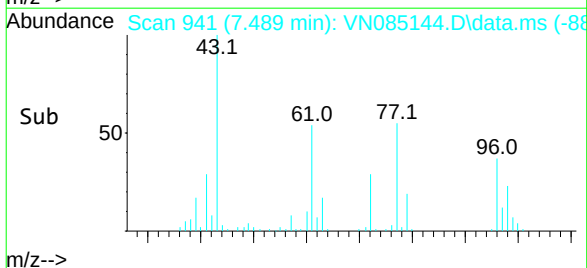
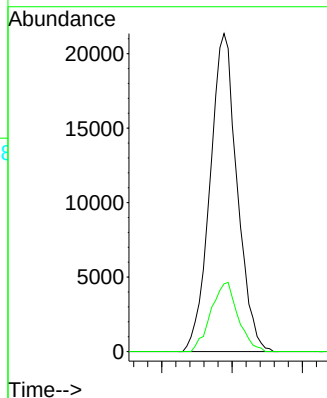
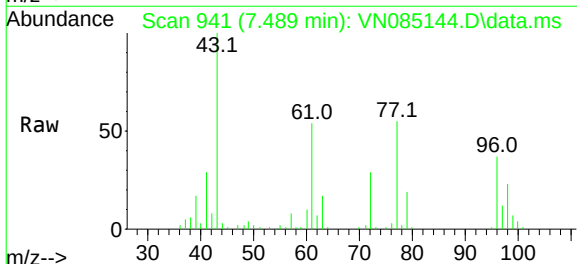
Acq: 09 Dec 2024 11:35

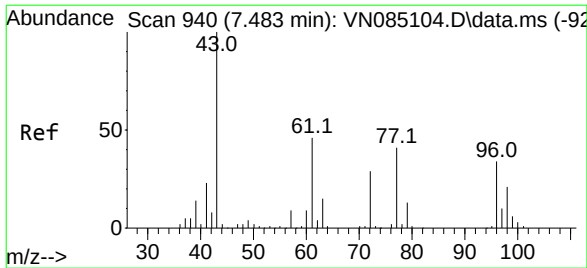
Tgt Ion: 77 Resp: 57271

Ion Ratio Lower Upper

77 100

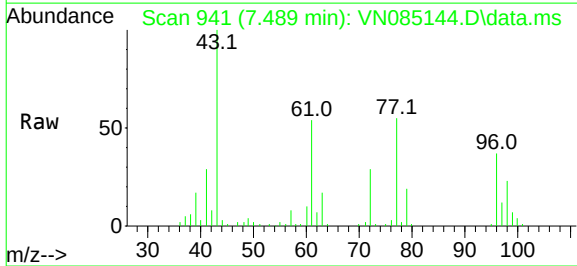
97 21.7 10.9 32.7





#27
cis-1,2-Dichloroethene
Concen: 17.016 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

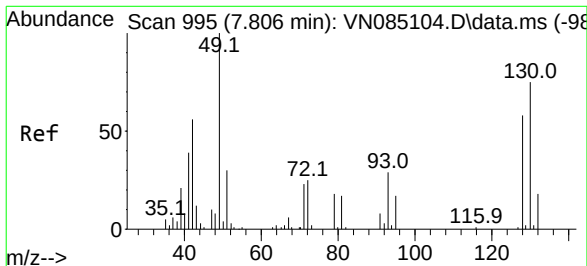
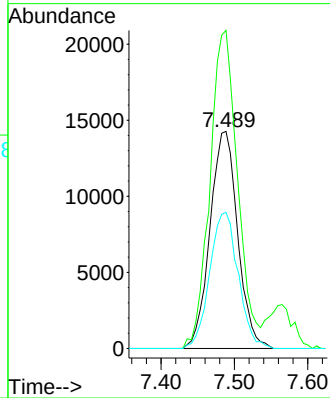
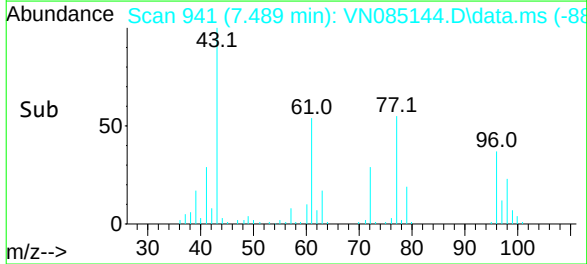
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01



Tgt Ion: 96 Resp: 37413
Ion Ratio Lower Upper
96 100
61 146.4 0.0 291.6
98 64.7 0.0 129.8

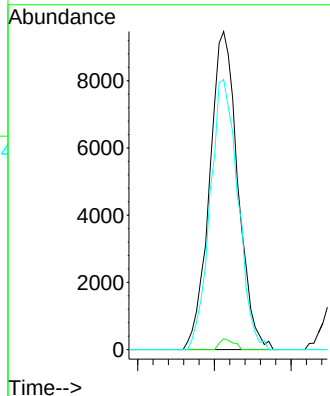
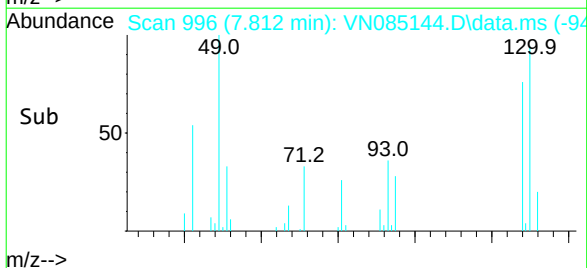
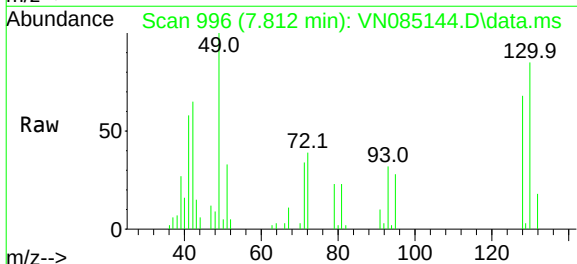
Manual Integrations
APPROVED

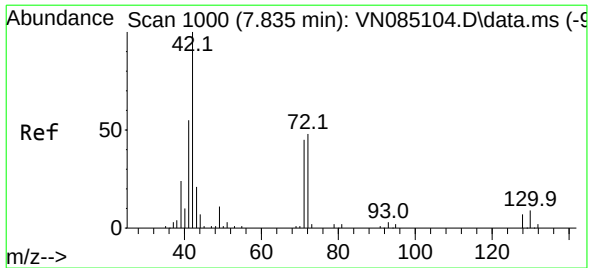
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 18.224 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 49 Resp: 24208
Ion Ratio Lower Upper
49 100
129 1.7 0.0 4.0
130 83.8 60.6 90.8





#29

Tetrahydrofuran

Concen: 97.142 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 42 Resp: 66904

Ion Ratio Lower Upper

42 100

72 50.7 37.0 55.4

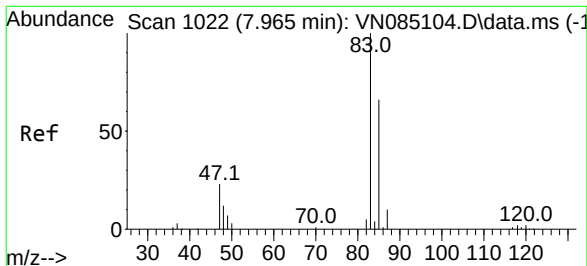
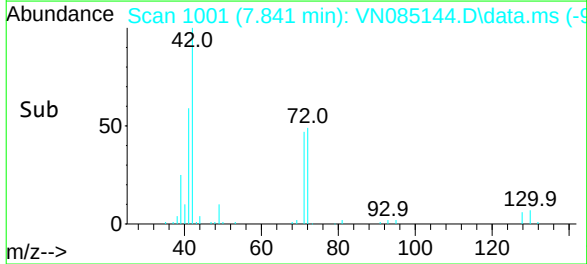
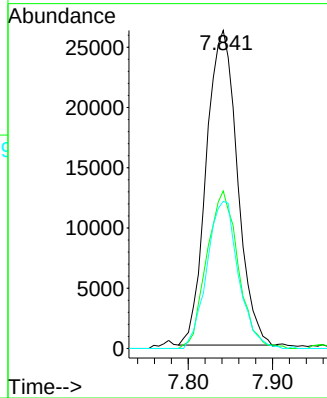
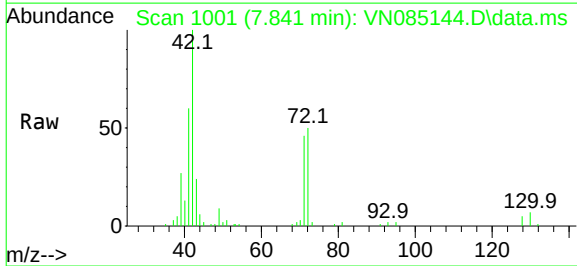
71 47.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 17.580 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085144.D

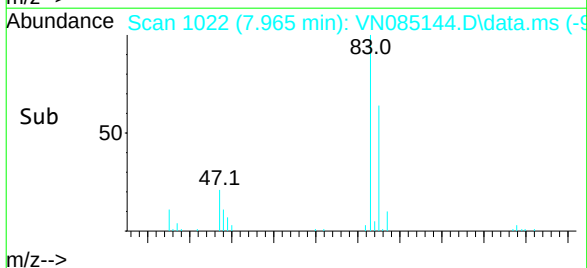
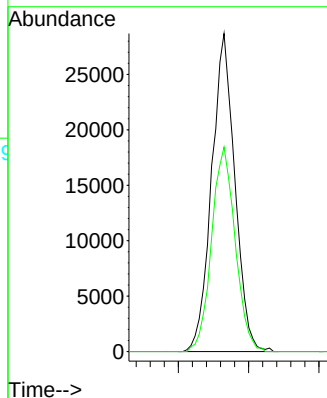
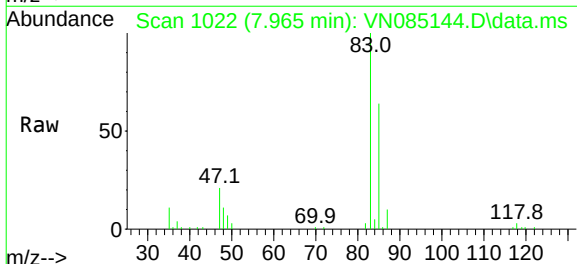
Acq: 09 Dec 2024 11:35

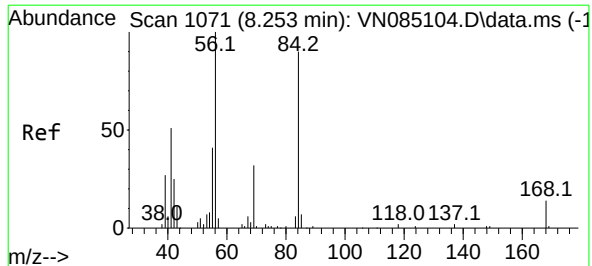
Tgt Ion: 83 Resp: 65806

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8





#31

Cyclohexane

Concen: 16.611 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 56 Resp: 51467

Ion Ratio Lower Upper

56 100

69 32.2 24.6 36.8

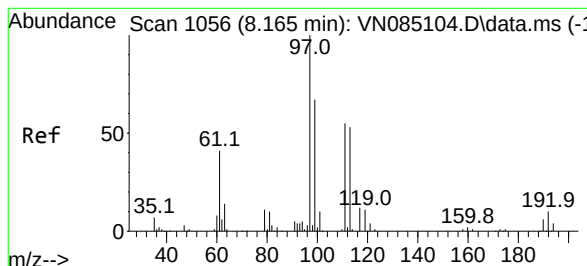
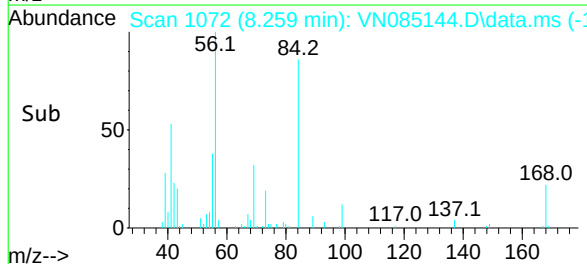
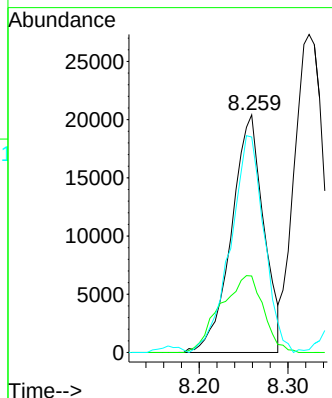
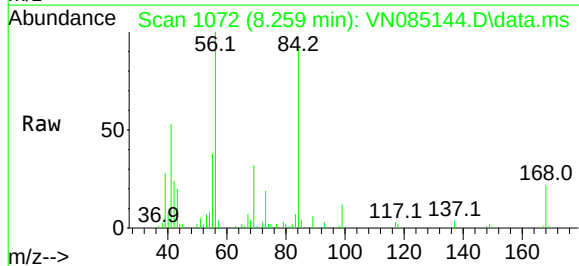
84 88.5 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 18.262 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

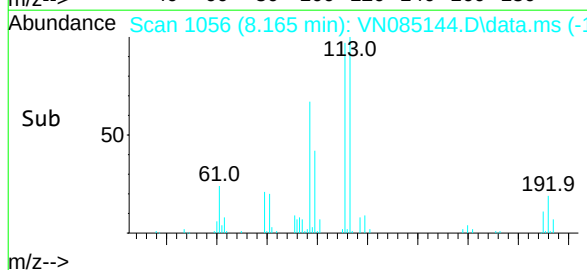
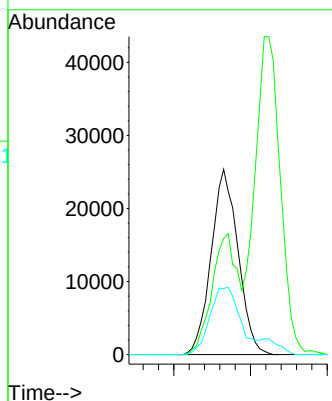
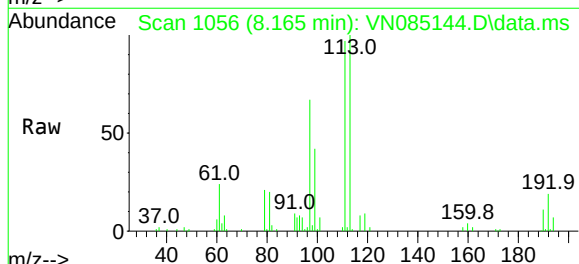
Tgt Ion: 97 Resp: 61775

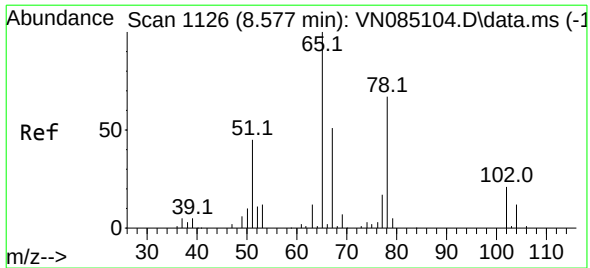
Ion Ratio Lower Upper

97 100

99 61.8 51.0 76.4

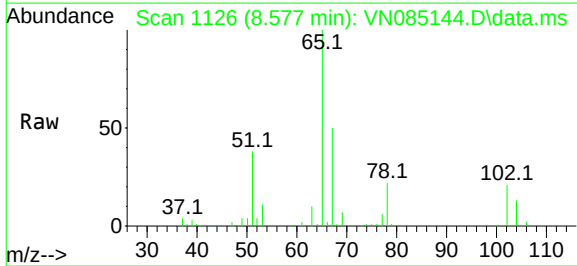
61 40.7 36.2 54.2





#33
1,2-Dichloroethane-d4
Concen: 45.770 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

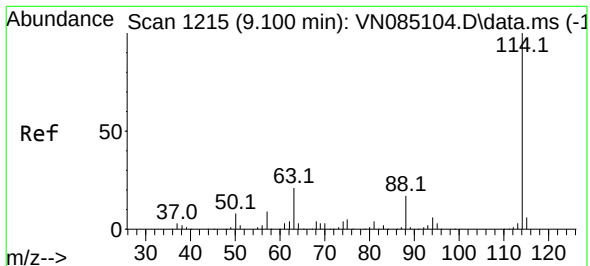
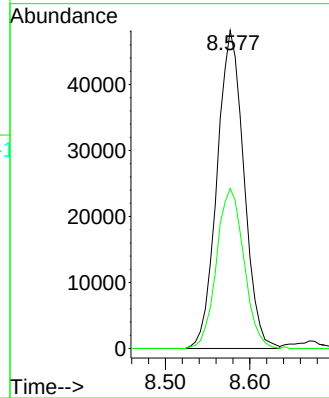
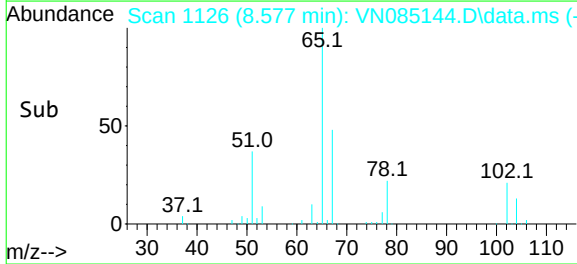
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01



Tgt Ion: 65 Resp: 106459
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0

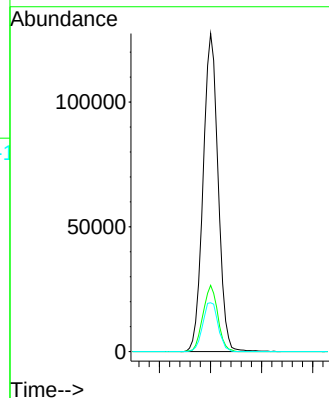
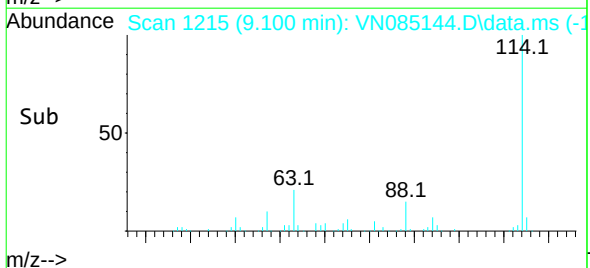
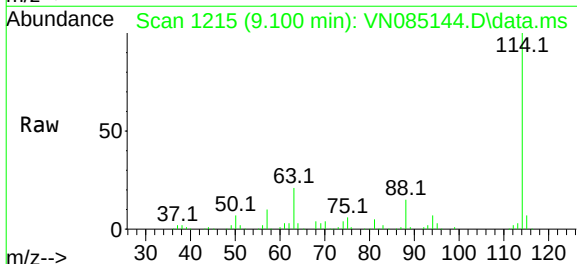
Manual Integrations
APPROVED

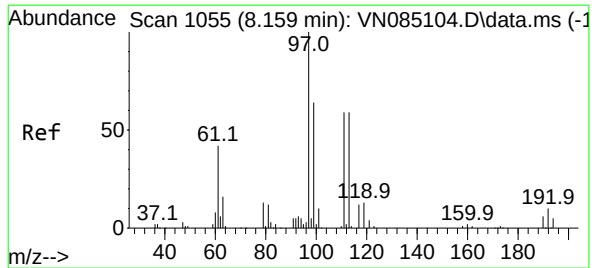
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:114 Resp: 259546
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 15.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.875 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:113 Resp: 89046

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

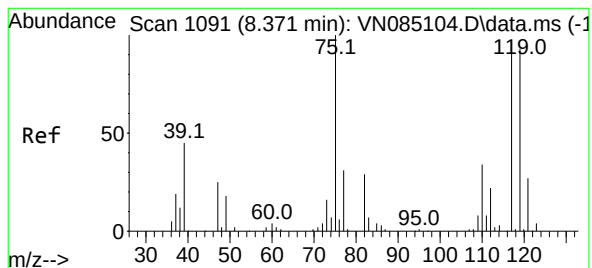
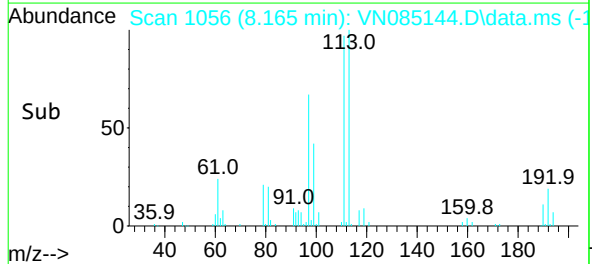
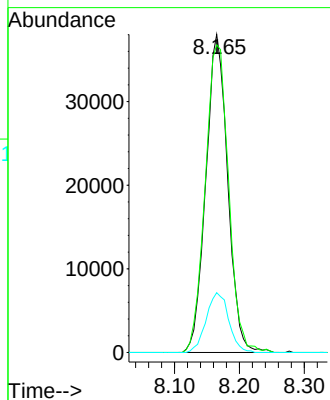
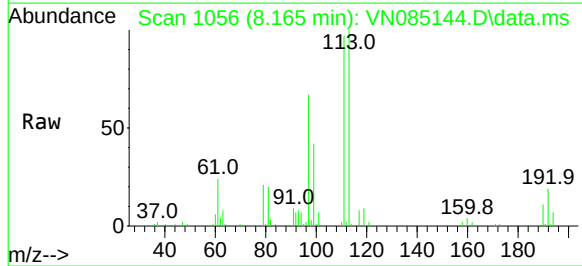
192 19.4 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#36

1,1-Dichloropropene

Concen: 18.075 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

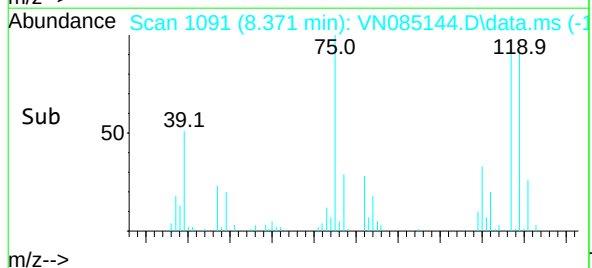
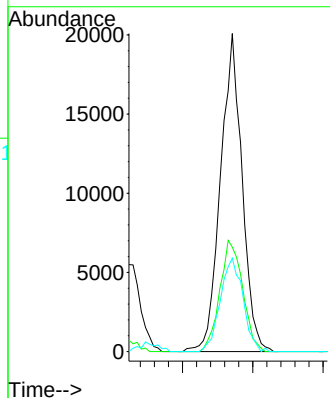
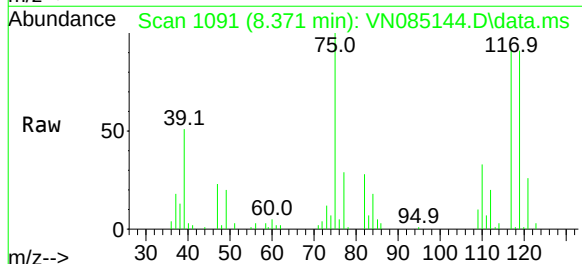
Tgt Ion: 75 Resp: 42851

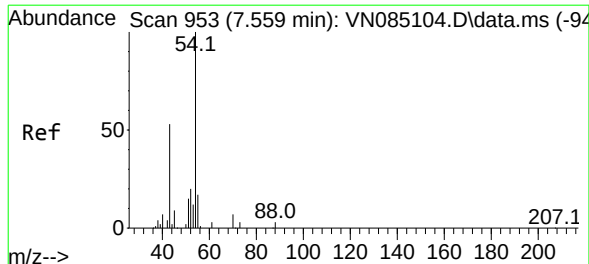
Ion Ratio Lower Upper

75 100

110 36.9 17.2 51.6

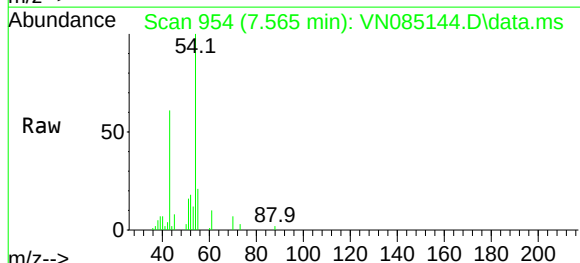
77 30.8 24.2 36.4





#37
Ethyl Acetate
Concen: 19.744 ug/l
RT: 7.565 min Scan# 953
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

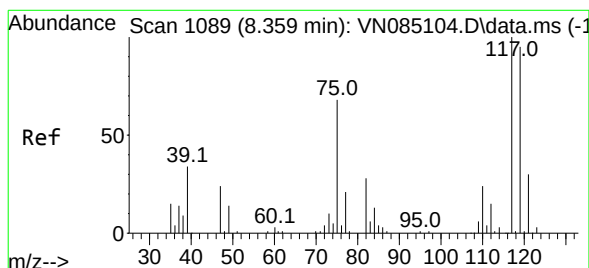
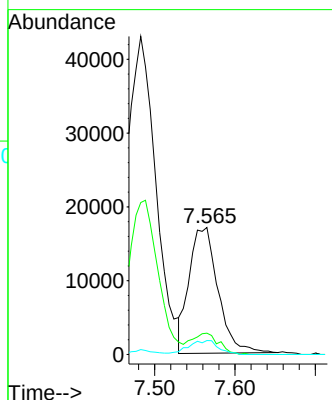
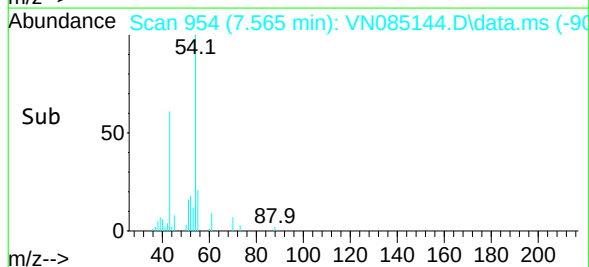
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01



Tgt Ion: 43 Resp: 42554
Ion Ratio Lower Upper
43 100
61 16.0 11.7 17.5
70 11.6 9.3 13.9

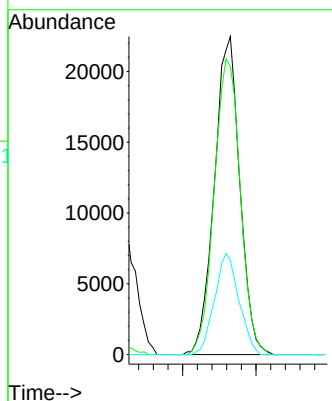
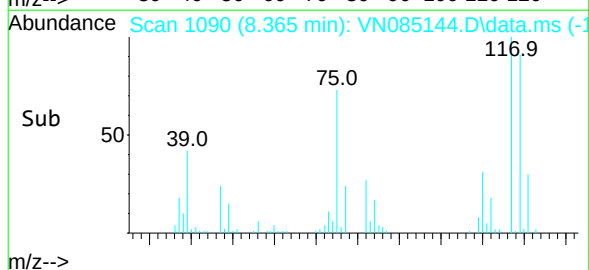
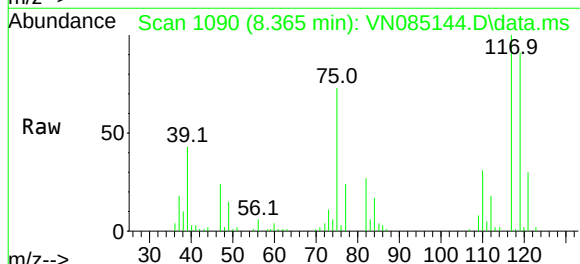
Manual Integrations
APPROVED

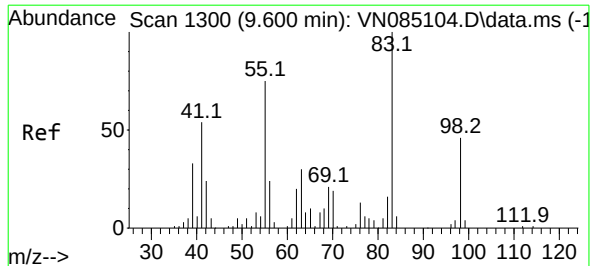
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#38
Carbon Tetrachloride
Concen: 19.750 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:117 Resp: 54048
Ion Ratio Lower Upper
117 100
119 90.5 78.6 117.8
121 29.7 24.2 36.2





#39

Methylcyclohexane

Concen: 17.347 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 83 Resp: 42735

Ion Ratio Lower Upper

83 100

55 79.0 61.8 92.6

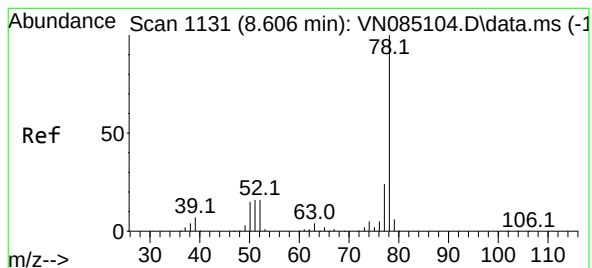
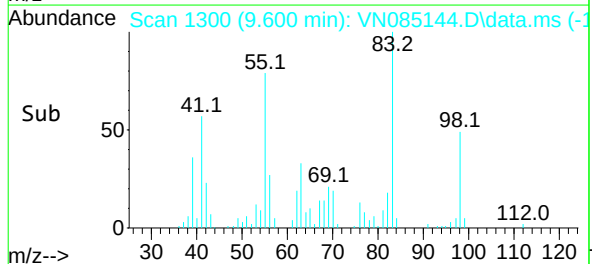
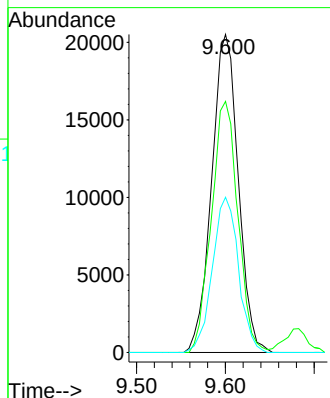
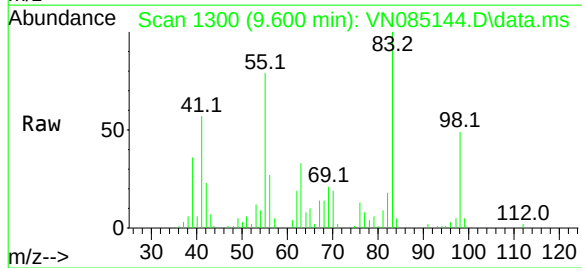
98 48.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 18.573 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085144.D

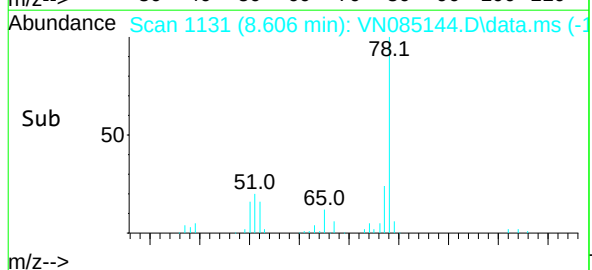
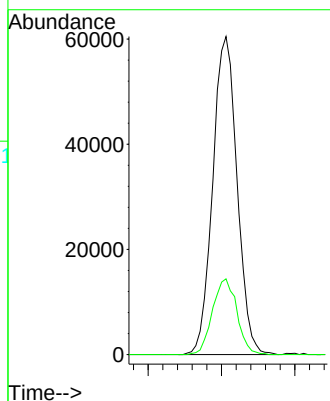
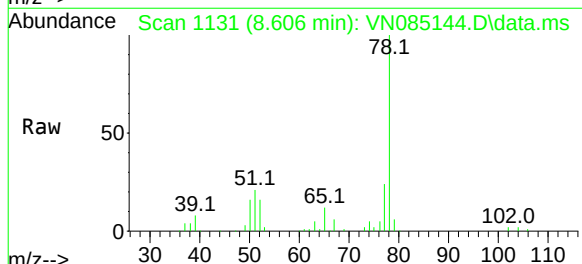
Acq: 09 Dec 2024 11:35

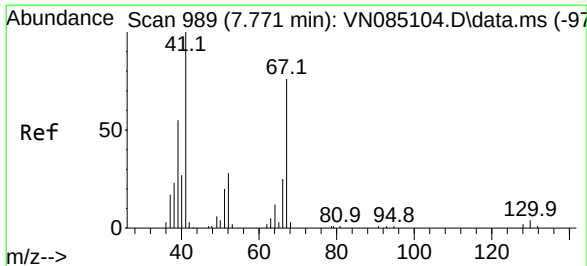
Tgt Ion: 78 Resp: 139262

Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7





#41

Methacrylonitrile

Concen: 18.646 ug/l

RT: 7.771 min Scan# 989

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 41 Resp: 22251

Ion Ratio Lower Upper

41 100

39 55.1 42.6 63.8

67 80.1 59.9 89.9

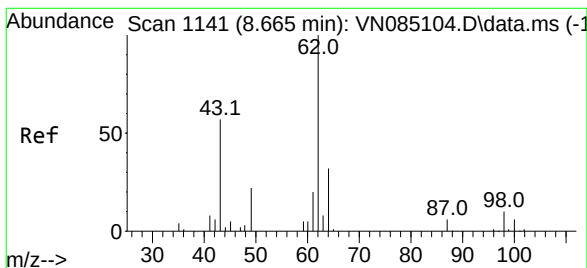
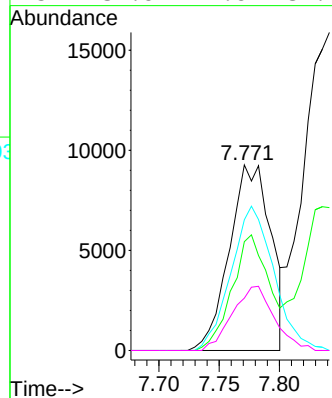
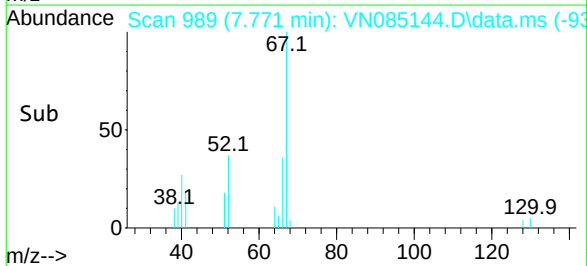
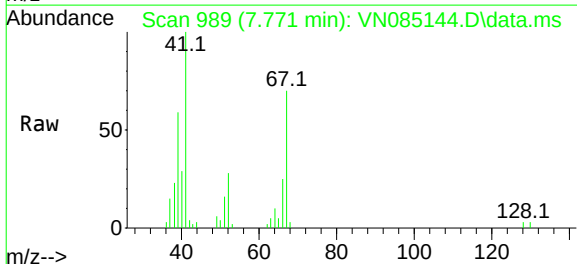
52 34.8 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 18.845 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085144.D

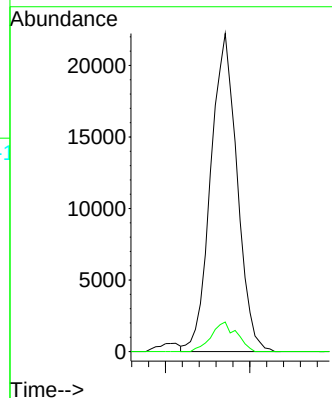
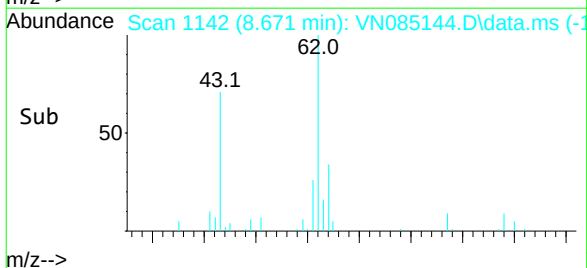
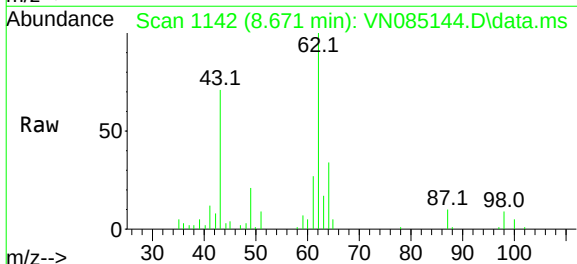
Acq: 09 Dec 2024 11:35

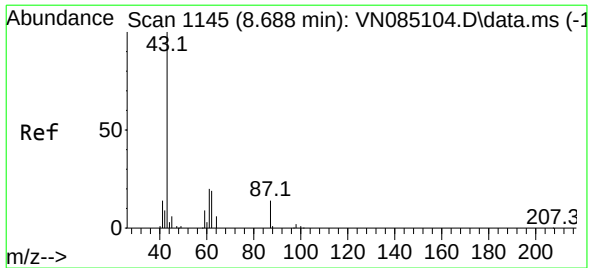
Tgt Ion: 62 Resp: 48342

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.2





#43

Isopropyl Acetate

Concen: 16.245 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

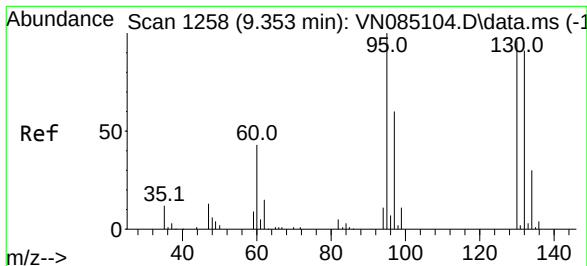
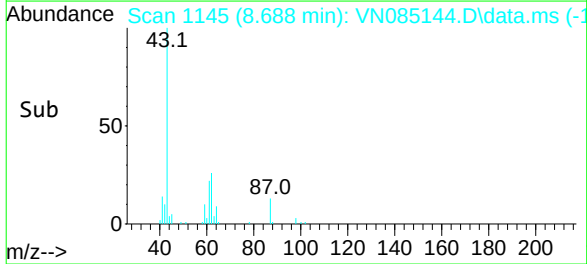
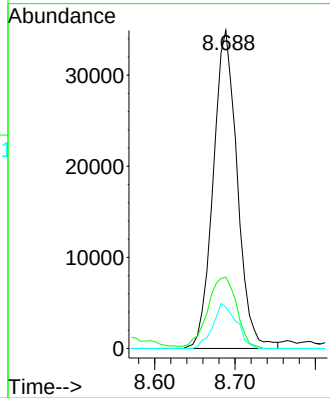
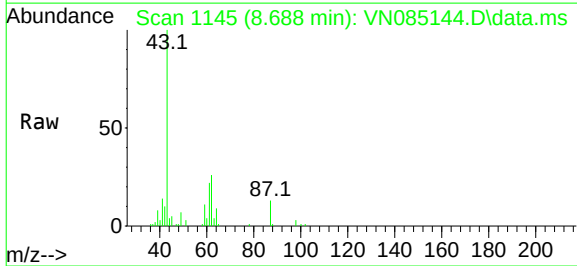
ClientSampleId :

VN1209WBS01

Tgt Ion:	43	Resp:	72727
Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.6	30.8
87	13.9	11.0	16.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 19.010 ug/l

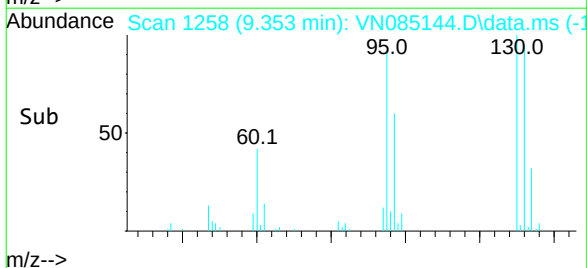
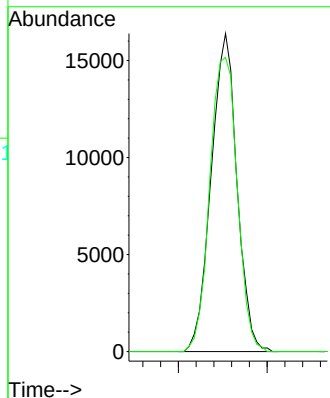
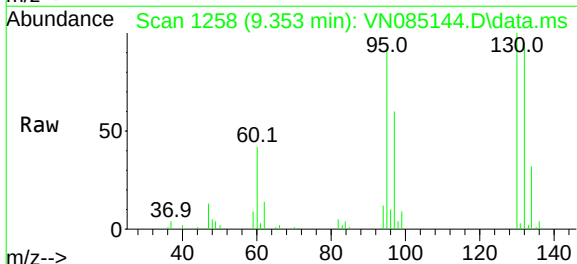
RT: 9.353 min Scan# 1258

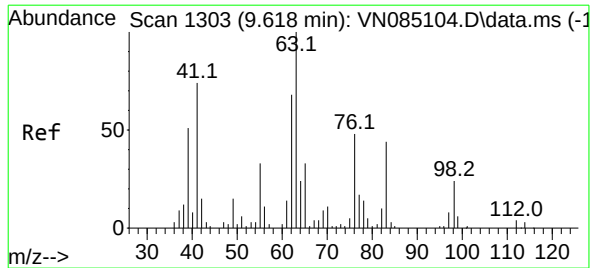
Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:	130	Resp:	33126
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	213.4





#45

1,2-Dichloropropane

Concen: 18.593 ug/l

RT: 9.618 min Scan# 13

Delta R.T. -0.000 min

Lab File: VN085144.D

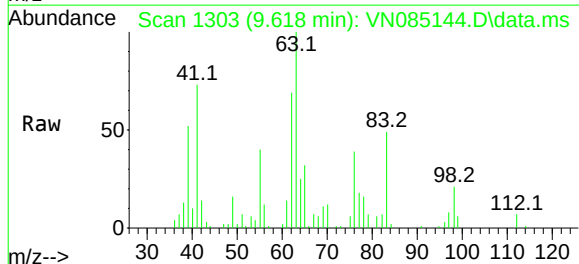
Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01



Tgt Ion: 63 Resp: 34338

Ion Ratio Lower Upper

63 100

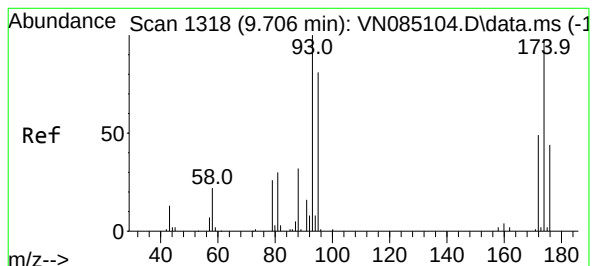
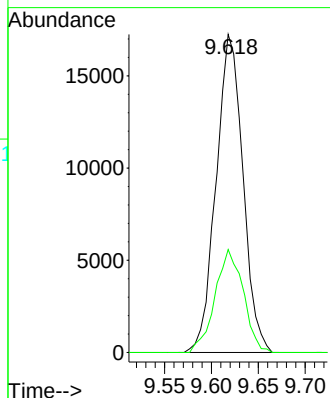
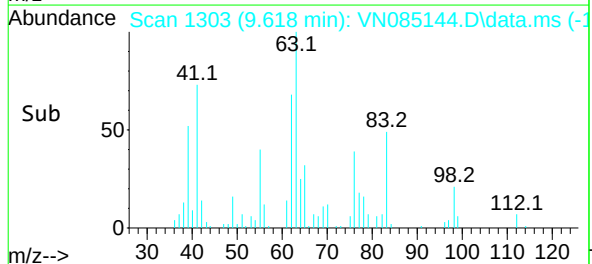
65 32.4 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

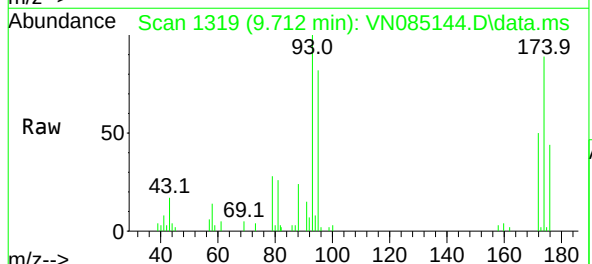
Concen: 19.674 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35



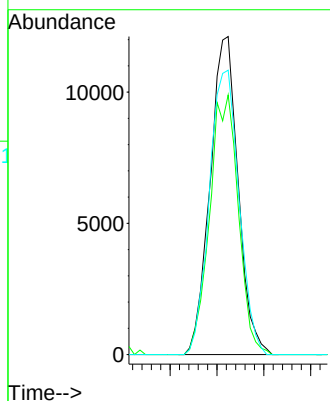
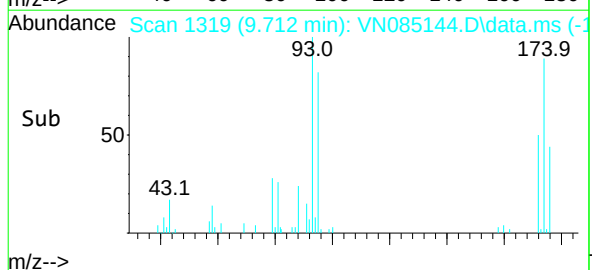
Tgt Ion: 93 Resp: 25247

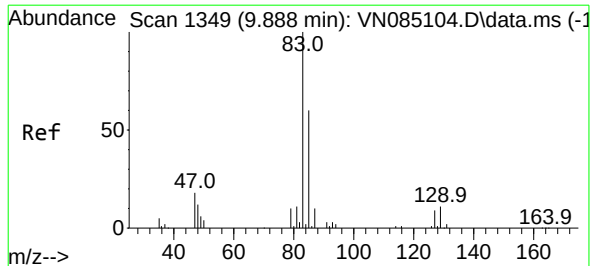
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

174 94.2 74.9 112.3





#47

Bromodichloromethane

Concen: 19.002 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 83 Resp: 51682

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7

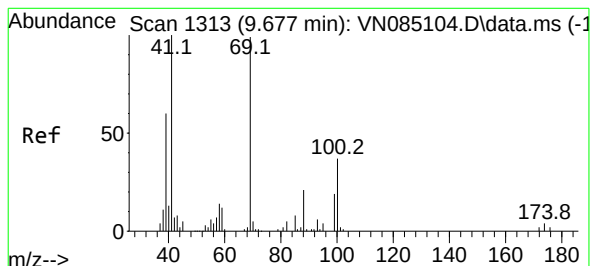
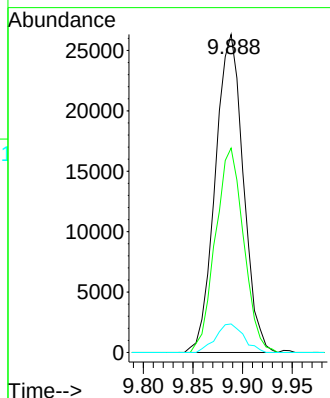
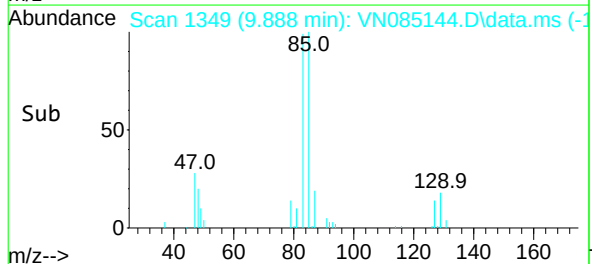
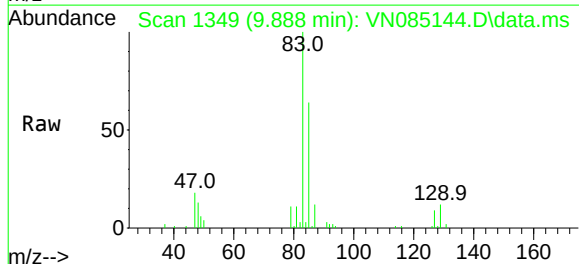
127 9.0 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#48

Methyl methacrylate

Concen: 20.109 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

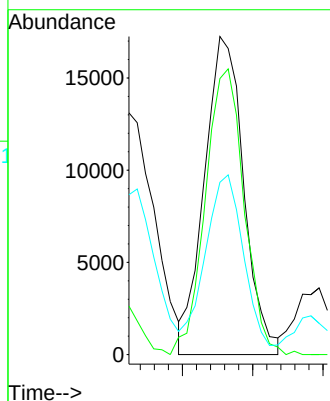
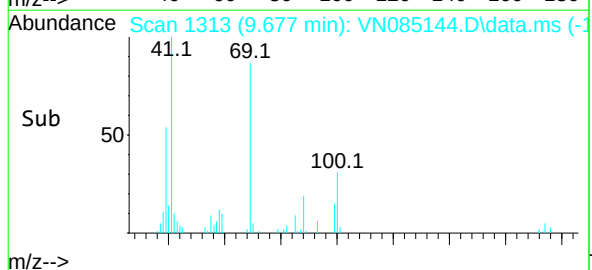
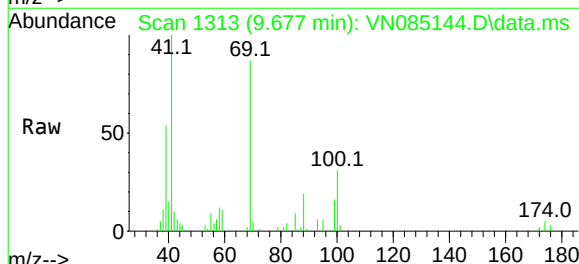
Tgt Ion: 41 Resp: 33500

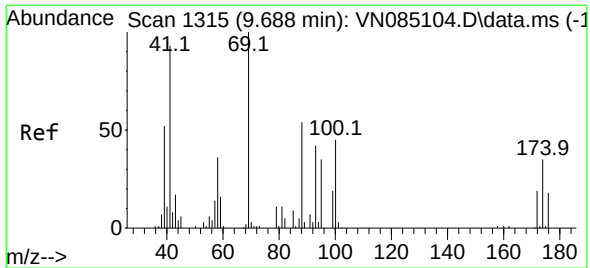
Ion Ratio Lower Upper

41 100

69 88.5 73.2 109.8

39 56.1 46.2 69.4





#49

1,4-Dioxane

Concen: 461.086 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085144.D

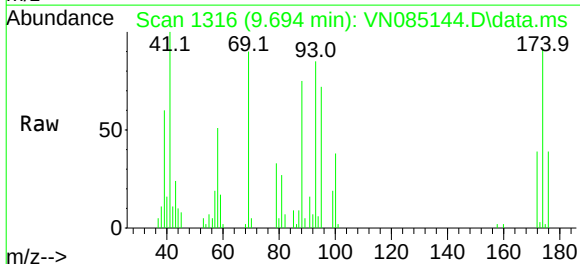
Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01



Tgt Ion: 88 Resp: 13321

Ion Ratio Lower Upper

88 100

43 29.8 16.7 25.1

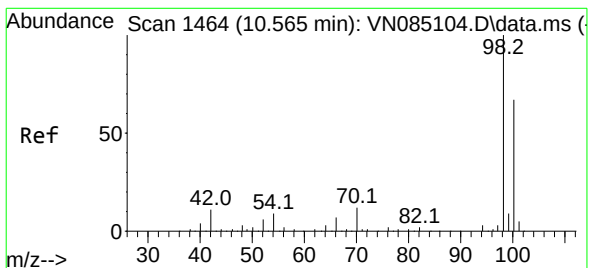
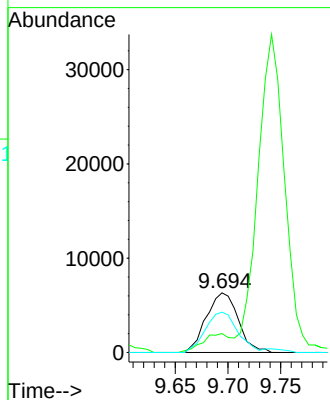
58 69.0 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 48.643 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085144.D

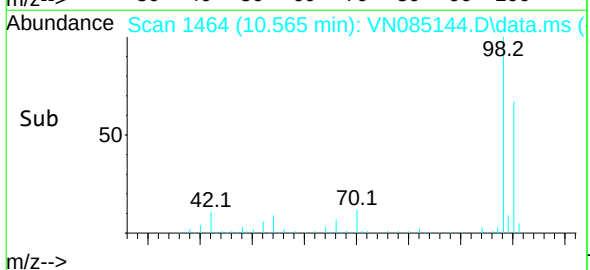
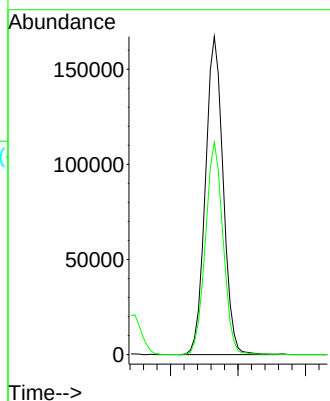
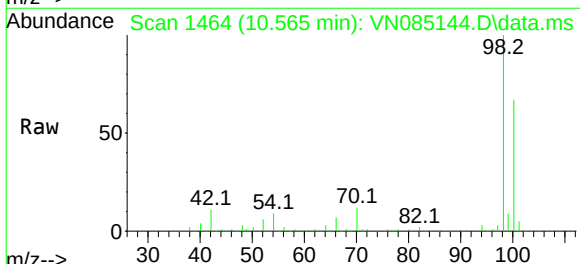
Acq: 09 Dec 2024 11:35

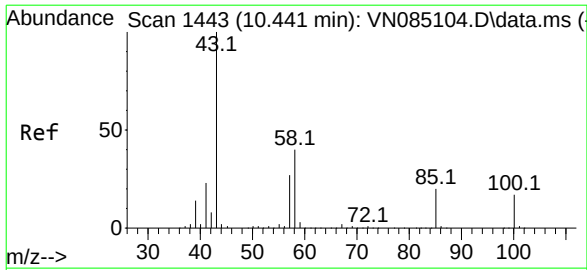
Tgt Ion: 98 Resp: 305121

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7





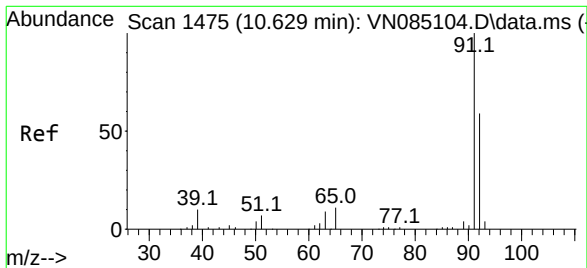
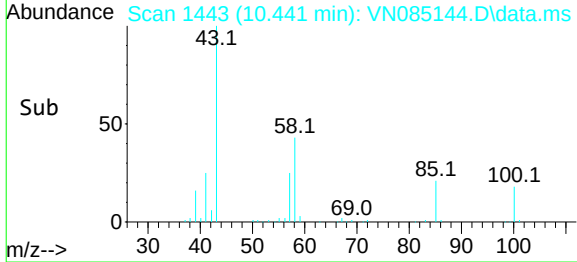
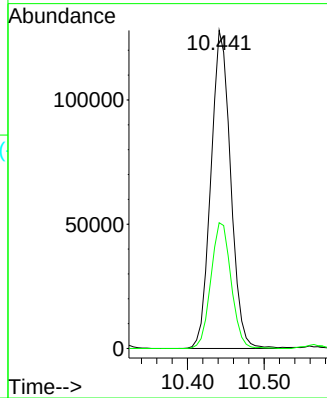
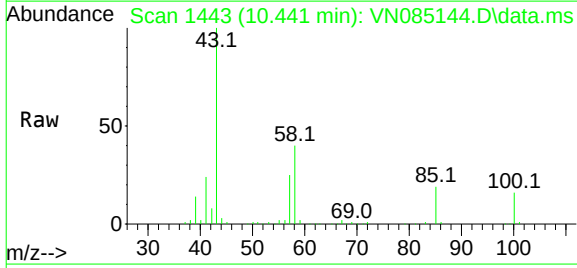
#51
4-Methyl-2-Pentanone
Concen: 111.838 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 43 Resp: 228689
Ion Ratio Lower Upper
43 100
58 40.5 32.1 48.1

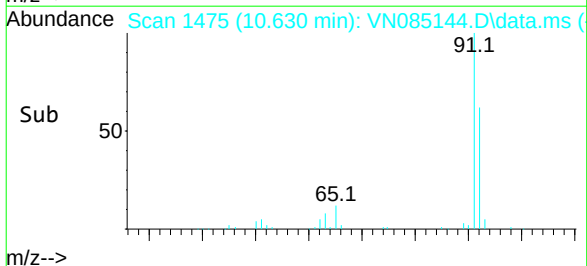
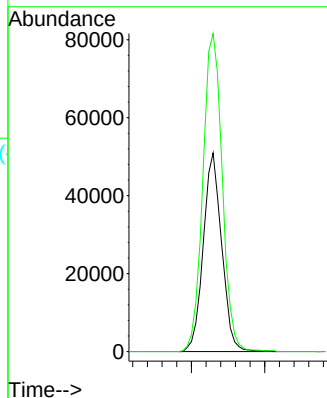
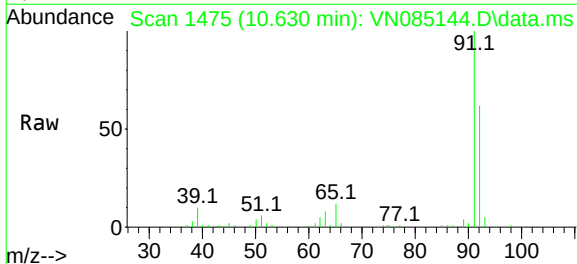
Manual Integrations
APPROVED

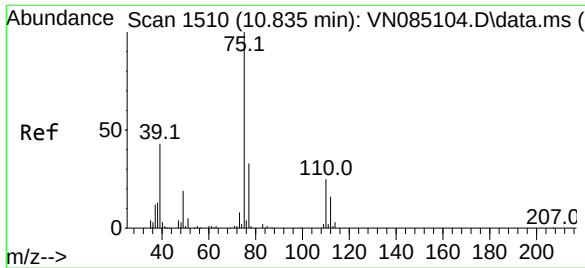
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 20.025 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 92 Resp: 88892
Ion Ratio Lower Upper
92 100
91 168.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 18.255 ug/l

RT: 10.830 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 75 Resp: 49777

Ion Ratio Lower Upper

75 100

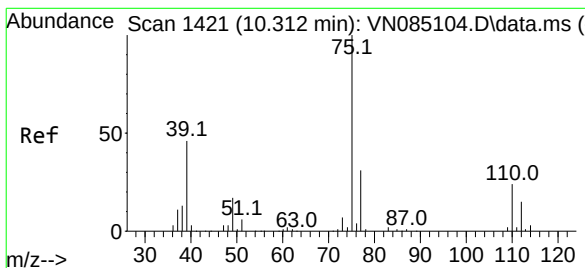
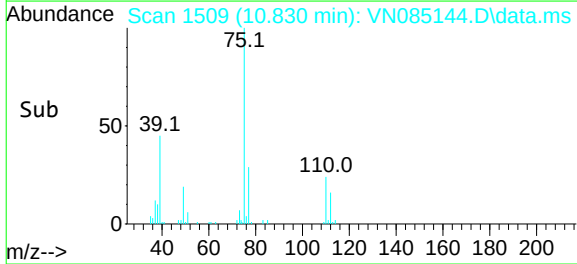
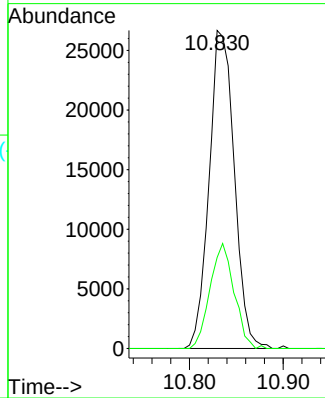
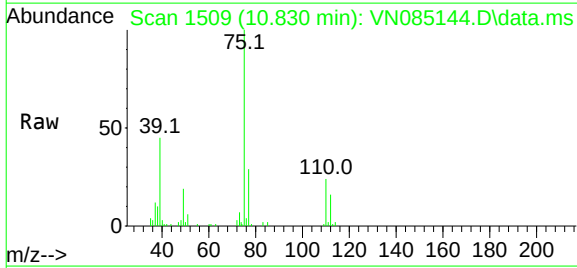
77 28.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#54

cis-1,3-Dichloropropene

Concen: 19.228 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

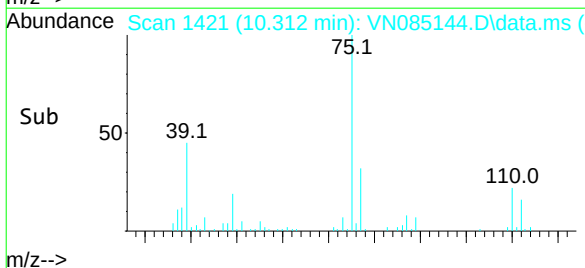
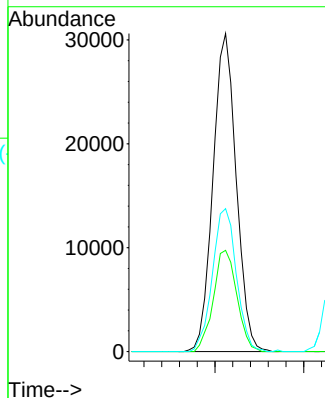
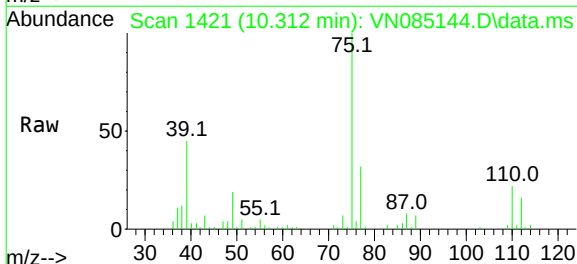
Tgt Ion: 75 Resp: 55624

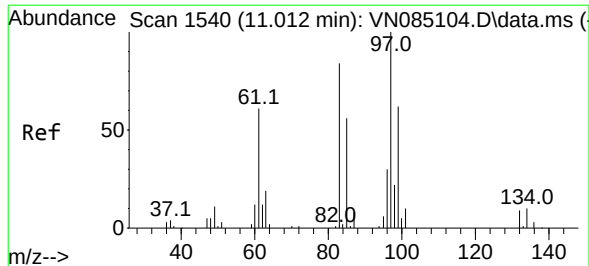
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 44.9 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 20.727 ug/l

RT: 11.018 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 97 Resp: 34271

Ion Ratio Lower Upper

97 100

83 85.8 67.4 101.2

85 54.6 43.1 64.7

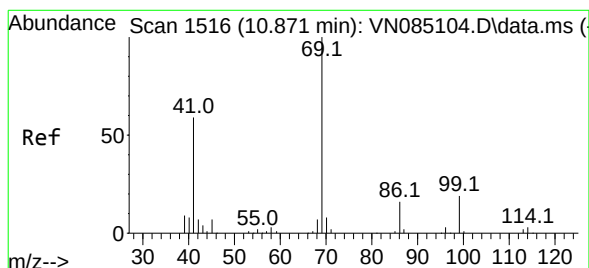
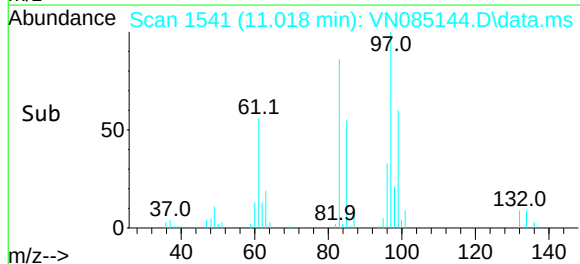
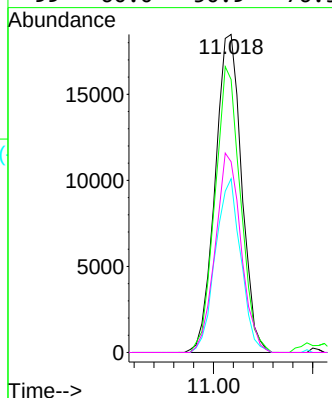
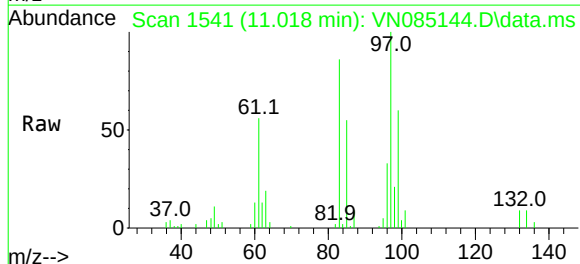
99 60.0 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#56

Ethyl methacrylate

Concen: 20.617 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

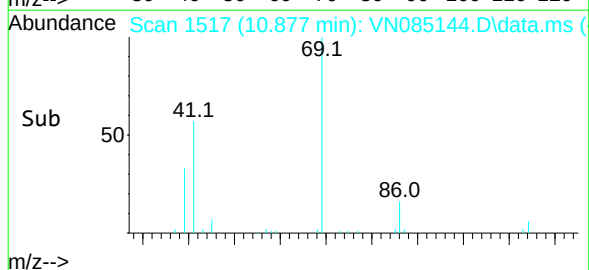
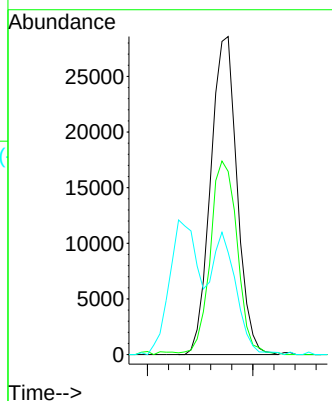
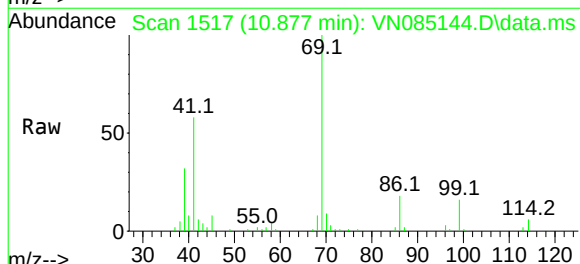
Tgt Ion: 69 Resp: 49811

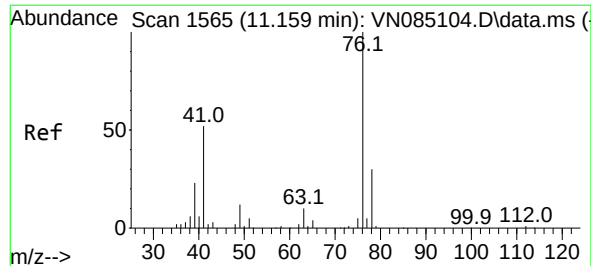
Ion Ratio Lower Upper

69 100

41 62.2 50.0 75.0

39 35.7 27.0 40.6





#57

1,3-Dichloropropane

Concen: 18.863 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 76 Resp: 54891

Ion Ratio Lower Upper

76 100

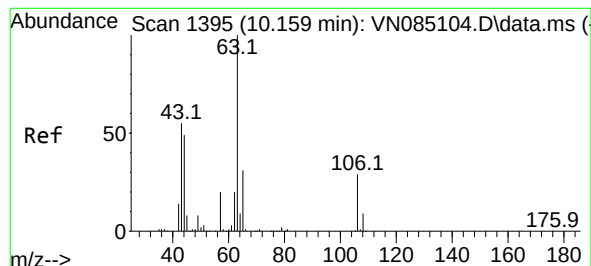
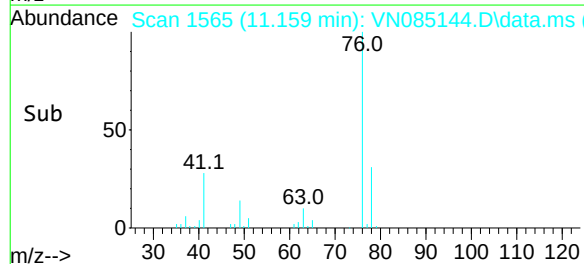
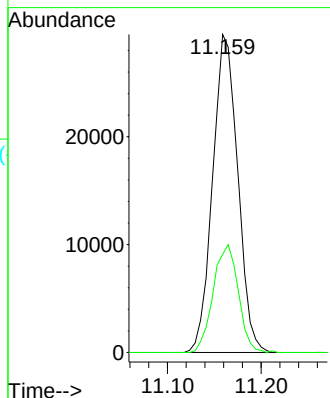
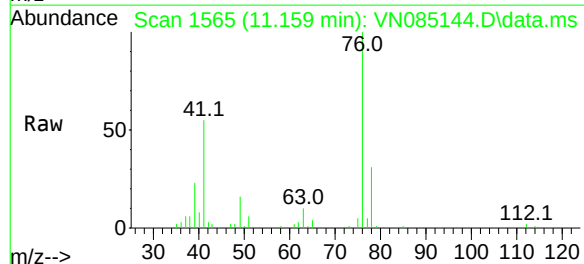
78 33.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#58

2-Chloroethyl Vinyl ether

Concen: 90.899 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085144.D

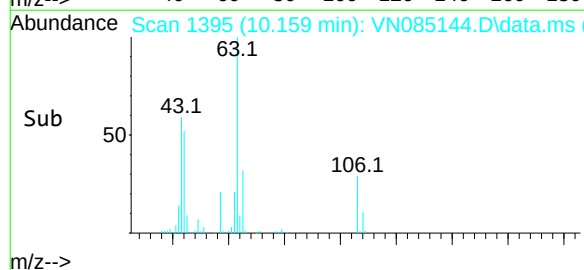
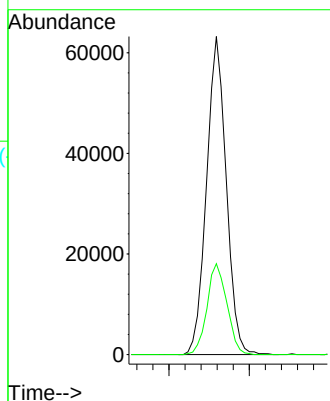
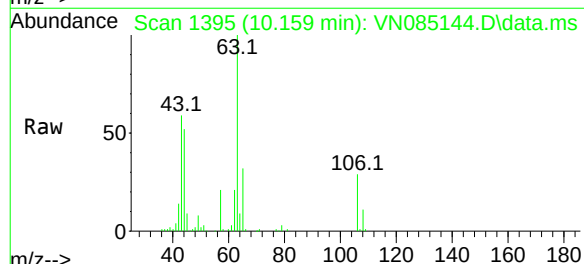
Acq: 09 Dec 2024 11:35

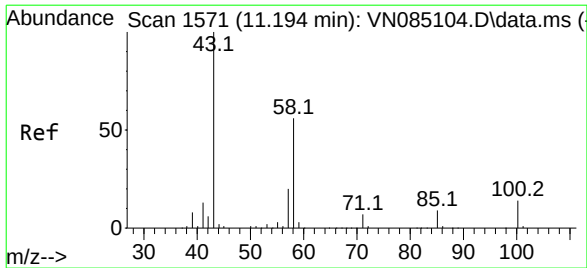
Tgt Ion: 63 Resp: 107728

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6





#59

2-Hexanone

Concen: 111.153 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 43 Resp: 169991

Ion Ratio Lower Upper

43 100

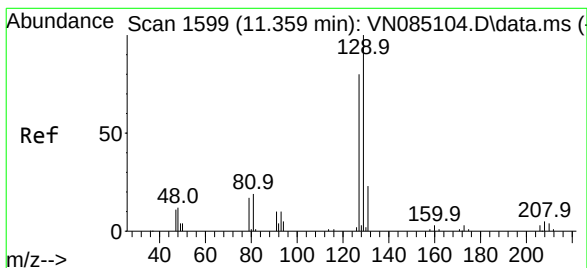
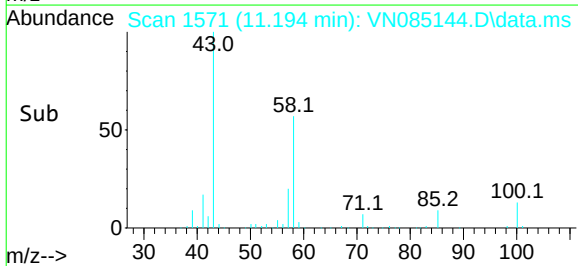
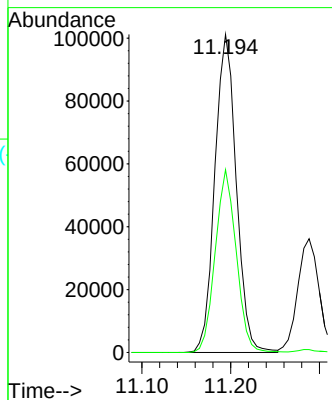
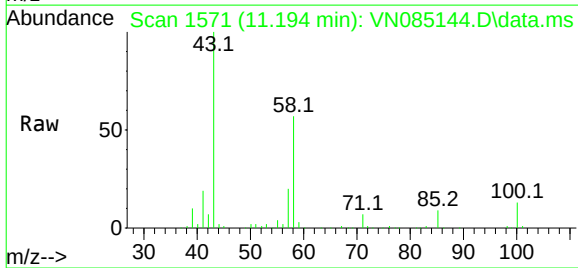
58 56.3 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 20.181 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085144.D

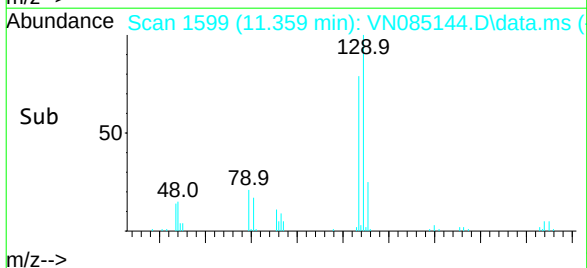
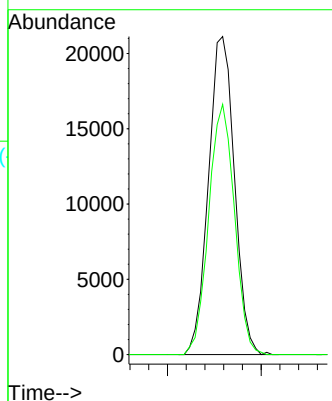
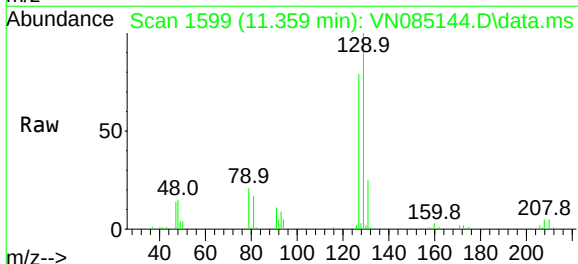
Acq: 09 Dec 2024 11:35

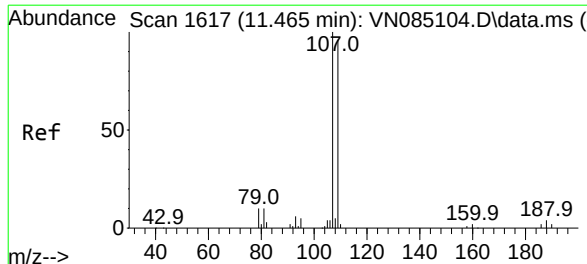
Tgt Ion:129 Resp: 40779

Ion Ratio Lower Upper

129 100

127 77.8 39.2 117.6





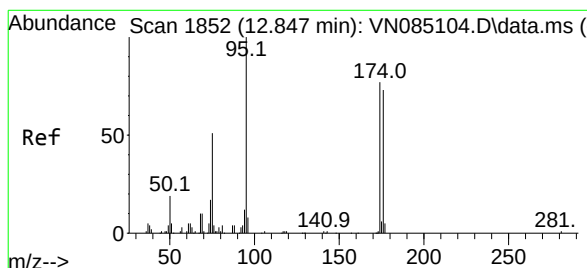
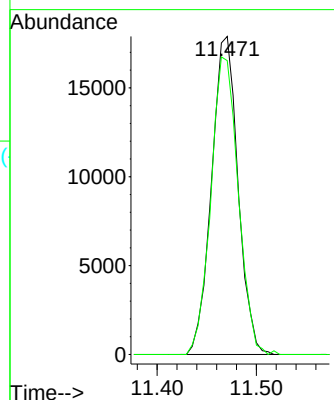
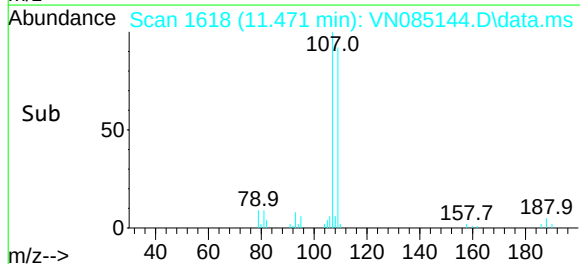
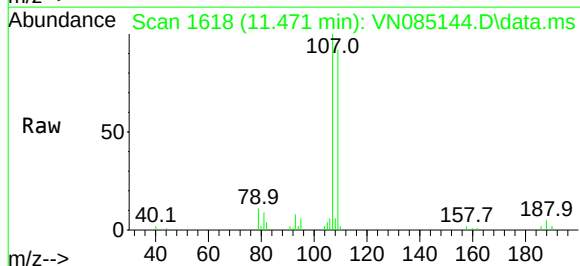
#61
1,2-Dibromoethane
Concen: 19.372 ug/l
RT: 11.471 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 107 Resp: 33148
Ion Ratio Lower Upper
107 100
109 96.7 76.1 114.1

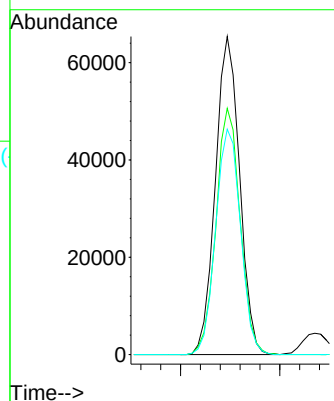
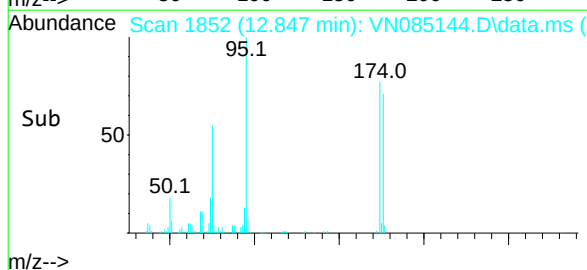
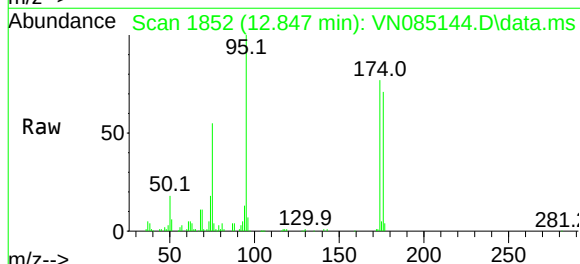
Manual Integrations
APPROVED

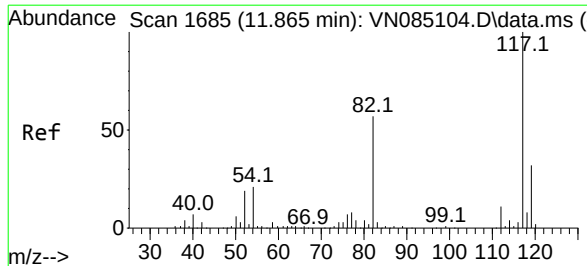
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 95 Resp: 110888
Ion Ratio Lower Upper
95 100
174 77.2 0.0 146.6
176 72.7 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:117 Resp: 222034

Ion Ratio Lower Upper

117 100

82 57.0 46.0 69.0

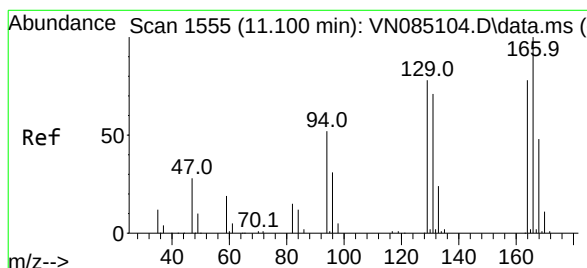
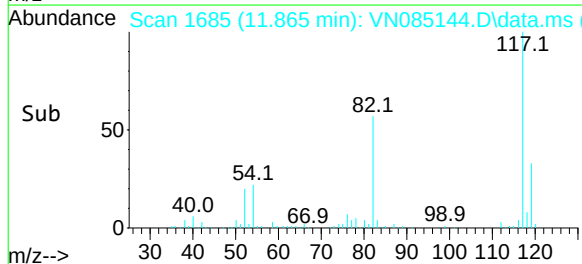
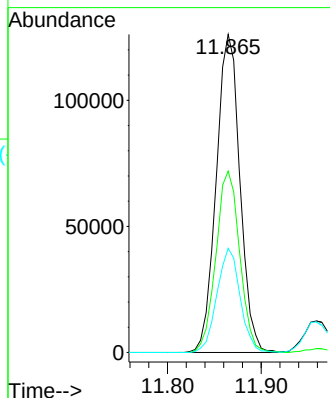
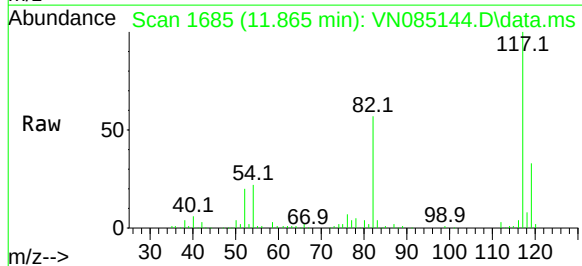
119 32.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#64

Tetrachloroethene

Concen: 20.769 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:164 Resp: 31073

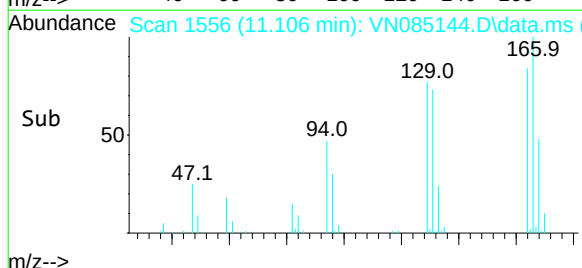
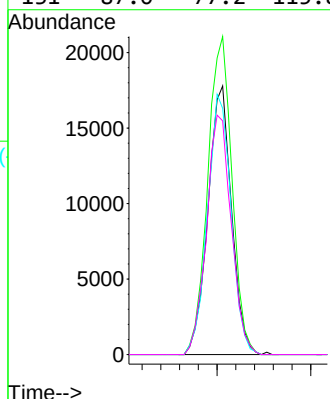
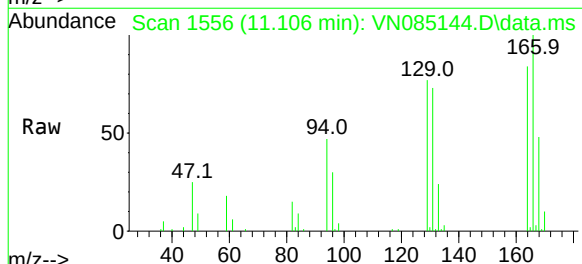
Ion Ratio Lower Upper

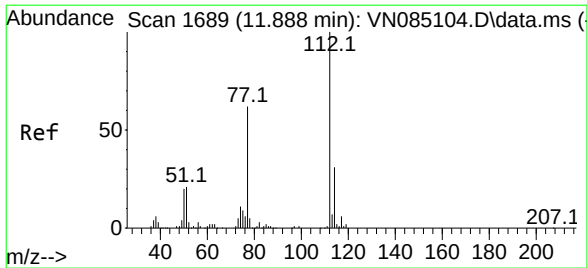
164 100

166 118.4 100.6 151.0

129 91.6 77.7 116.5

131 87.0 77.2 115.8





#65

Chlorobenzene

Concen: 18.322 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:112 Resp: 92261

Ion Ratio Lower Upper

112 100

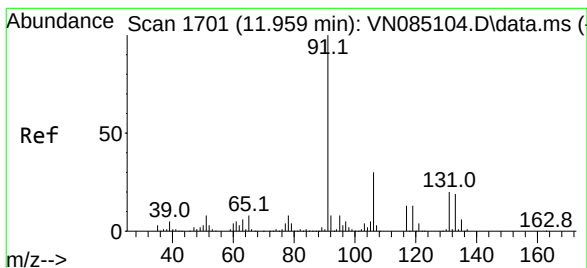
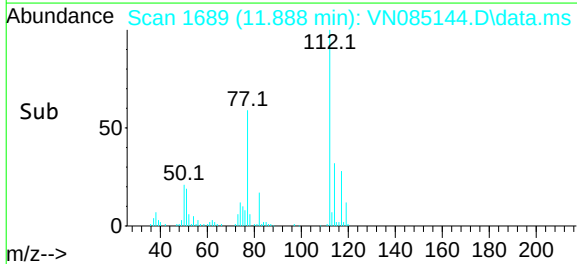
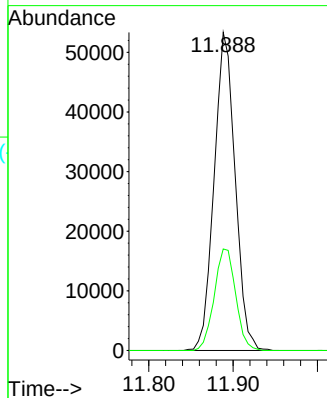
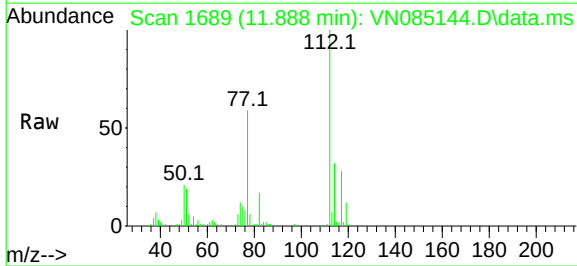
114 31.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 19.936 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

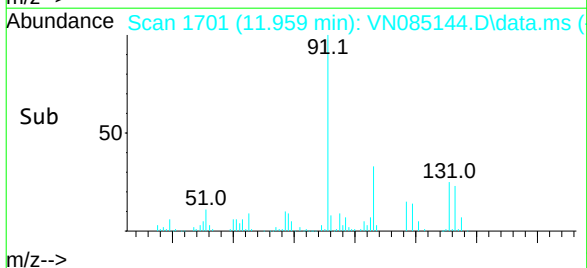
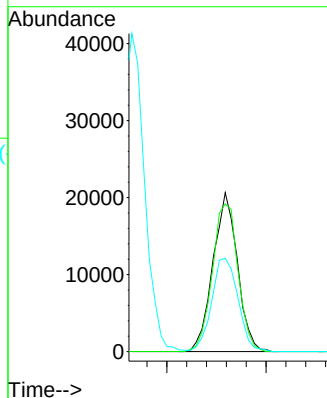
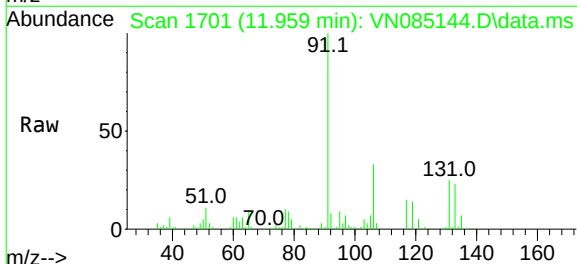
Tgt Ion:131 Resp: 35345

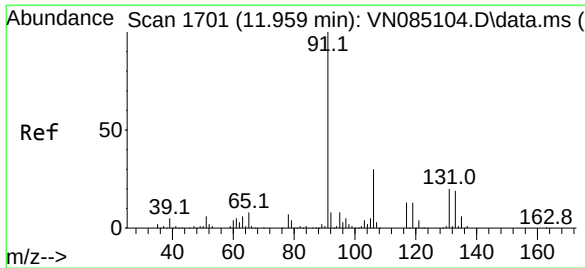
Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 63.1 32.1 96.3





#67

Ethyl Benzene

Concen: 19.210 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 91 Resp: 156939

Ion Ratio Lower Upper

91 100

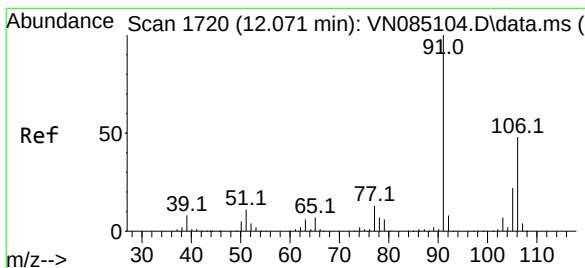
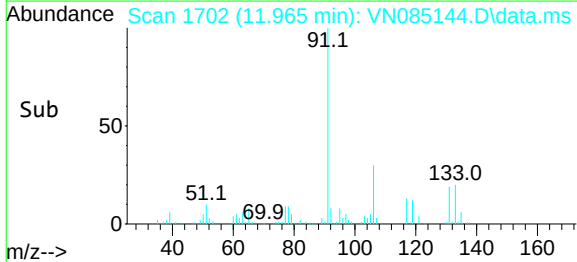
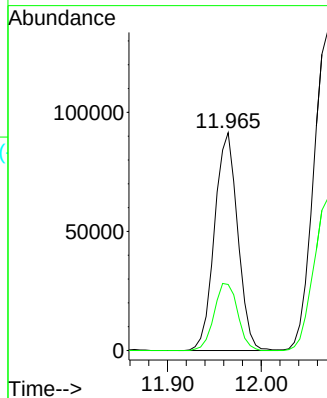
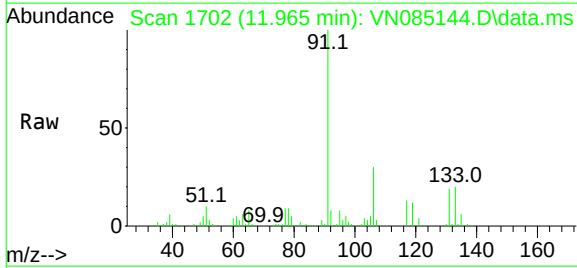
106 30.3 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 38.938 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085144.D

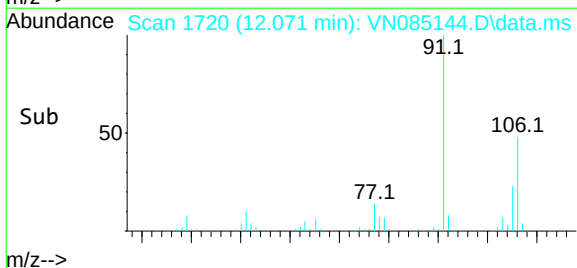
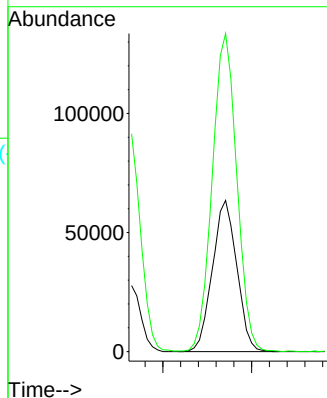
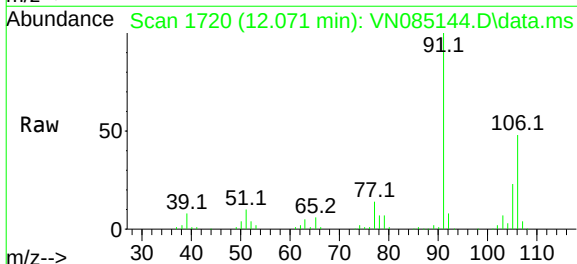
Acq: 09 Dec 2024 11:35

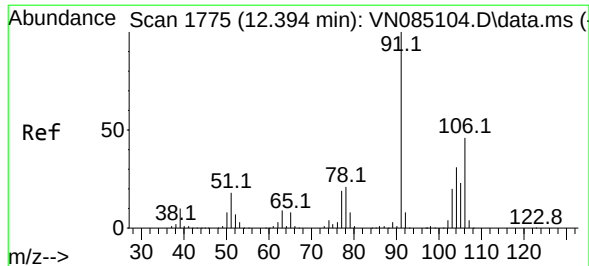
Tgt Ion:106 Resp: 121108

Ion Ratio Lower Upper

106 100

91 211.5 168.0 252.0





#69

o-Xylene

Concen: 19.599 ug/l

RT: 12.400 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:106 Resp: 57985

Ion Ratio Lower Upper

106 100

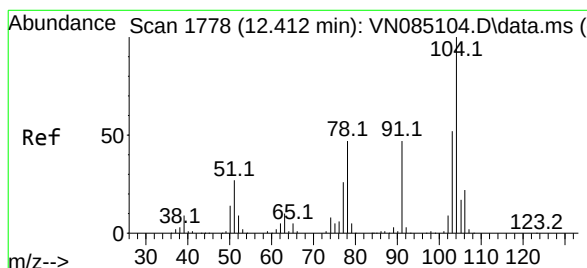
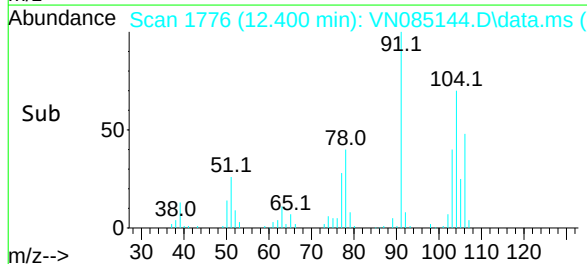
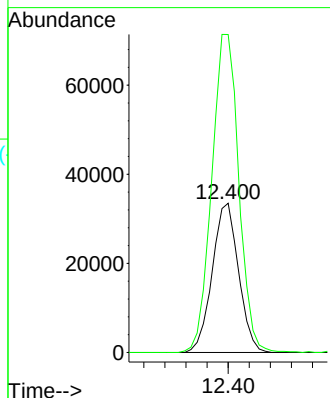
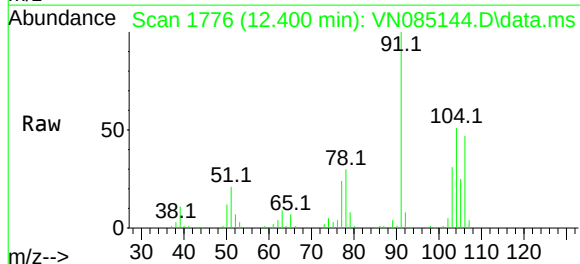
91 219.2 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 19.960 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

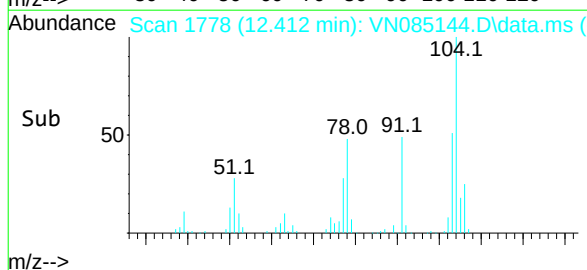
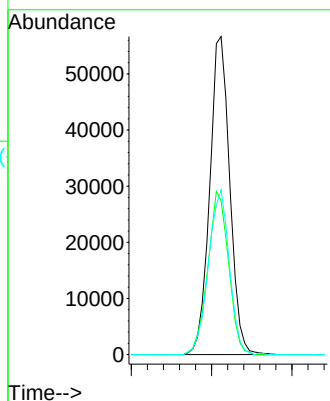
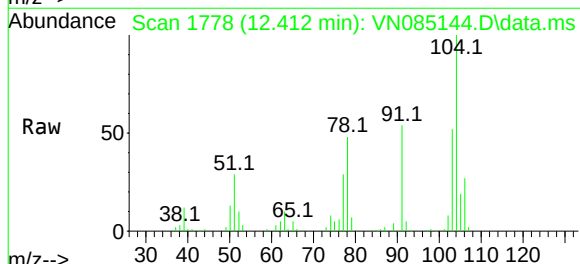
Tgt Ion:104 Resp: 98206

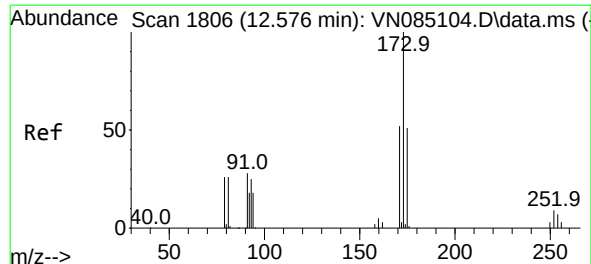
Ion Ratio Lower Upper

104 100

78 53.2 42.3 63.5

103 53.8 44.2 66.2





#71

Bromoform

Concen: 21.300 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

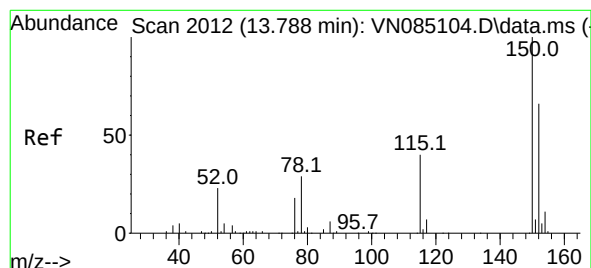
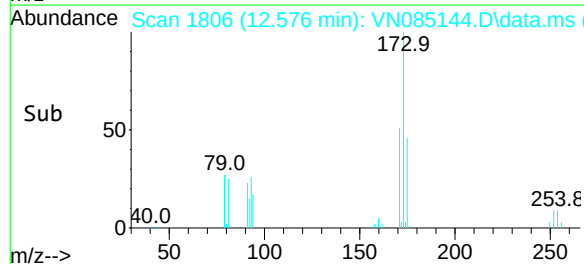
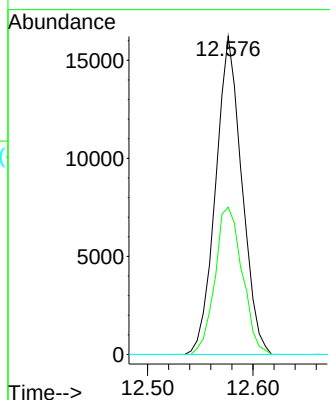
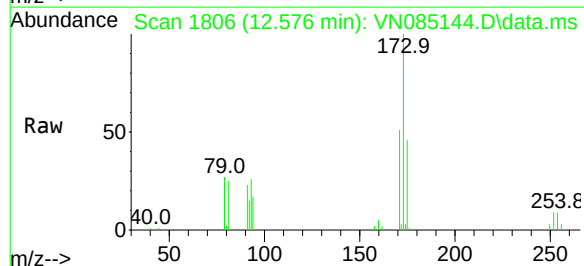
VN1209WBS01

Tgt Ion:	173	Resp:	28031
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.8	71.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

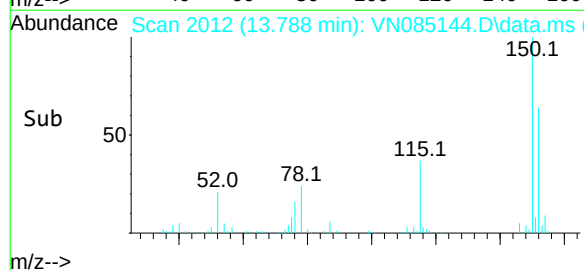
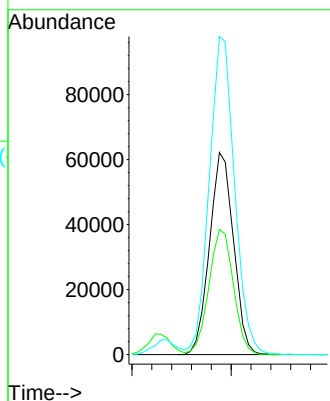
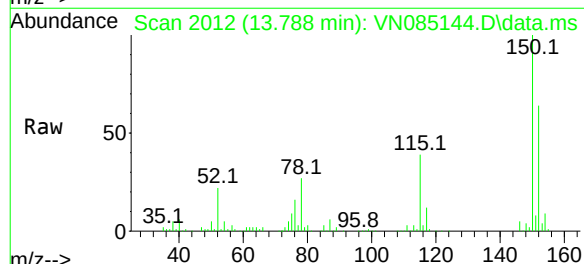
RT: 13.788 min Scan# 2012

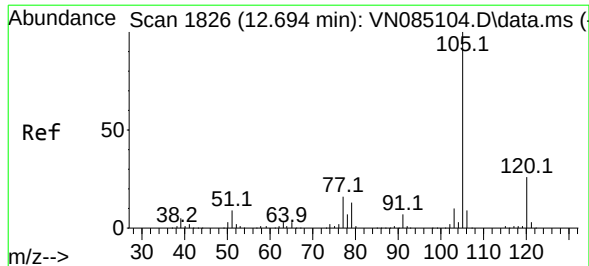
Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:	152	Resp:	104600
Ion Ratio	Lower	Upper	
152	100		
115	63.2	31.7	95.1
150	165.7	0.0	351.4





#73

Isopropylbenzene

Concen: 19.995 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 105 Resp: 147544

Ion Ratio Lower Upper

105 100

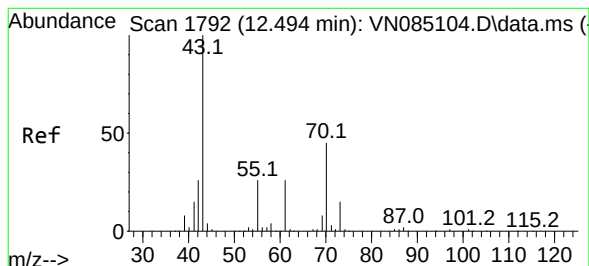
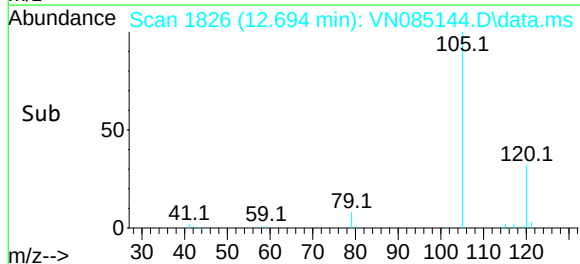
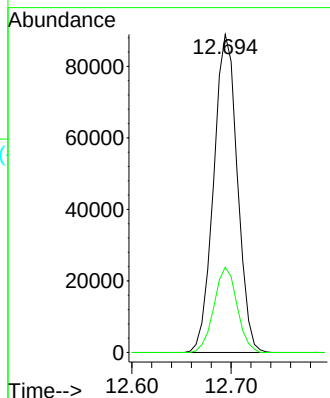
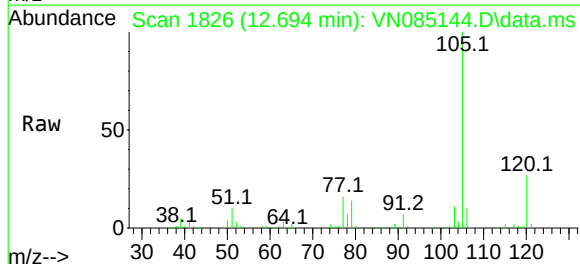
120 26.1 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 20.417 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 62083

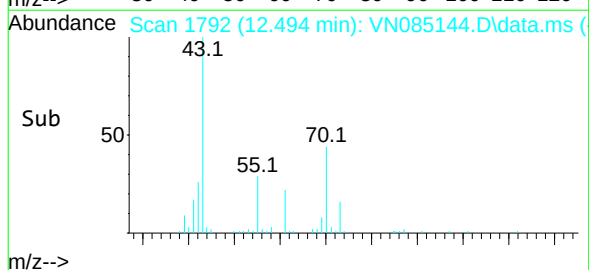
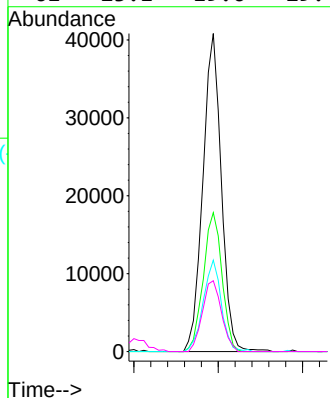
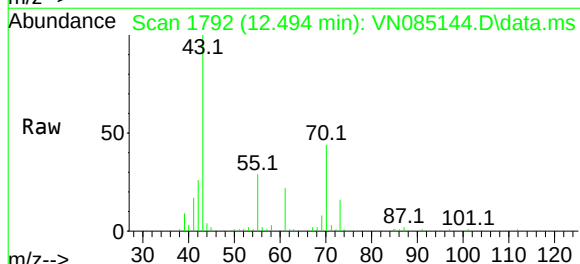
Ion Ratio Lower Upper

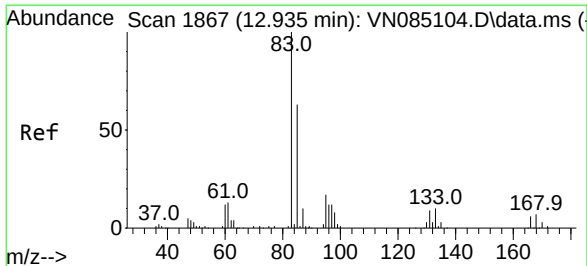
43 100

70 44.2 34.6 51.8

55 28.2 20.5 30.7

61 23.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

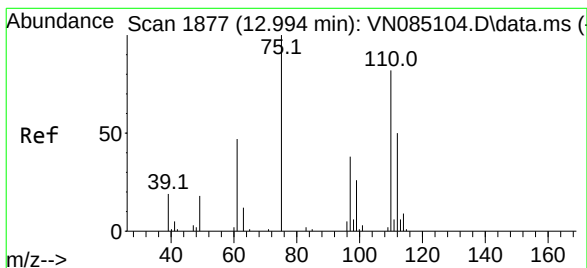
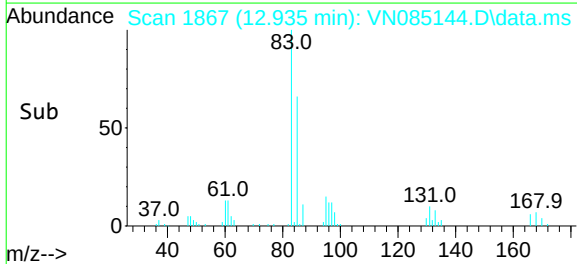
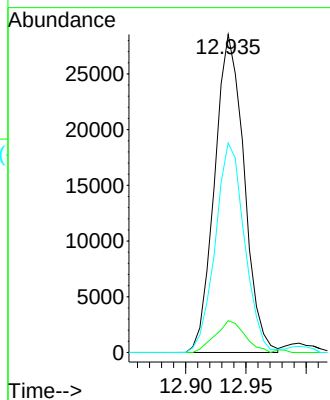
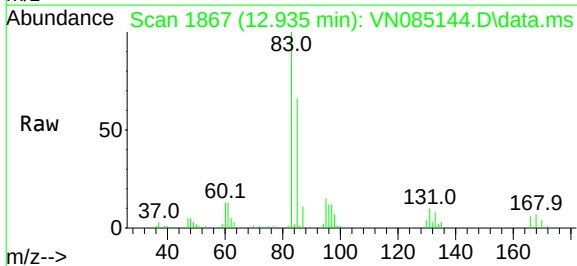
Tgt Ion:	83	Resp:	48508
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.4
85	65.2	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 18.216 ug/l m

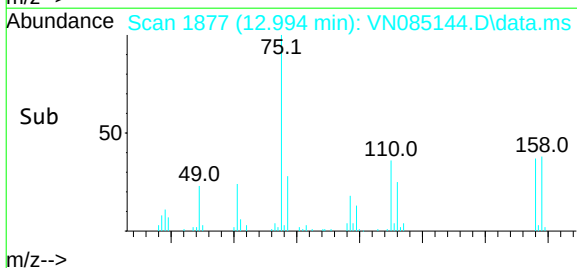
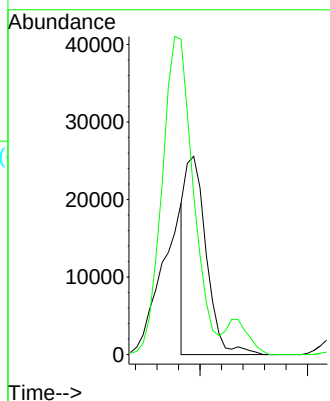
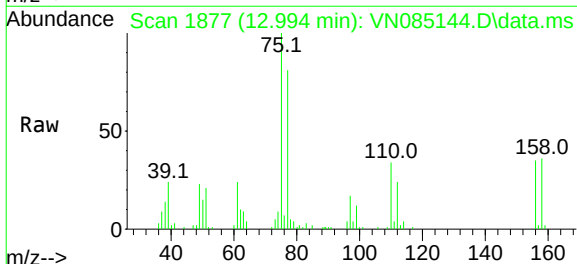
RT: 12.994 min Scan# 1877

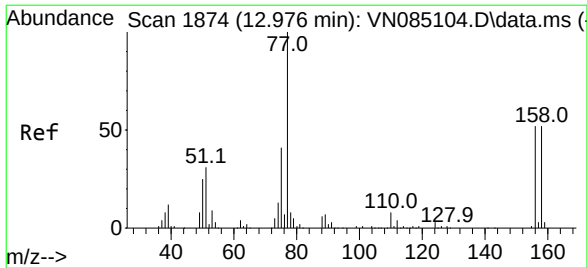
Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:	75	Resp:	34658
Ion	Ratio	Lower	Upper
75	100		
77	238.4	109.1	327.4





#77

Bromobenzene

Concen: 19.603 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085144.D

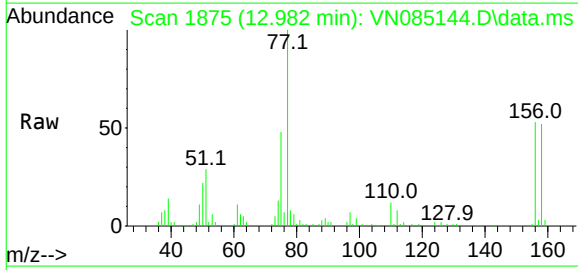
Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01



Tgt Ion:156 Resp: 38928

Ion Ratio Lower Upper

156 100

77 212.2 107.2 321.6

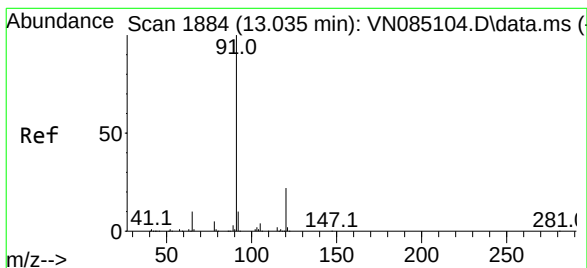
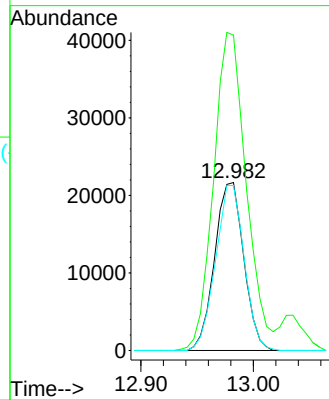
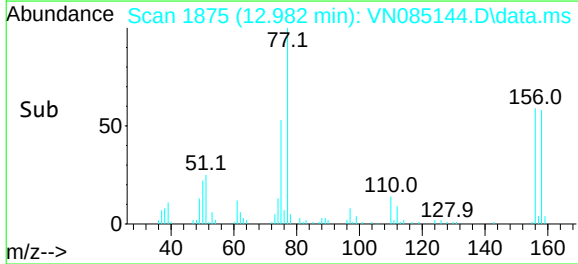
158 96.7 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 20.808 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085144.D

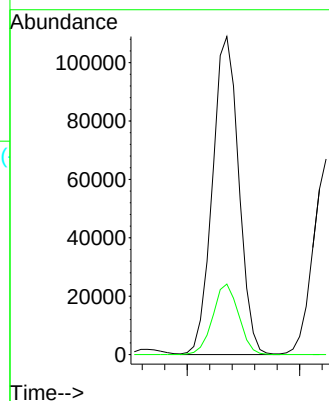
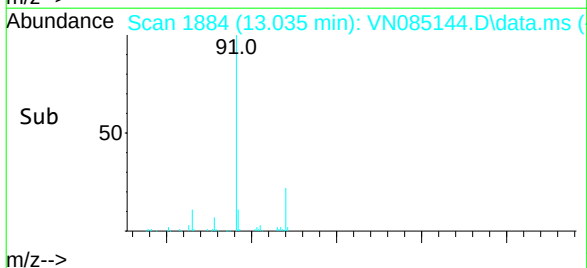
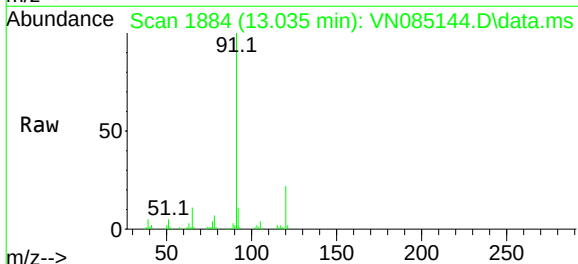
Acq: 09 Dec 2024 11:35

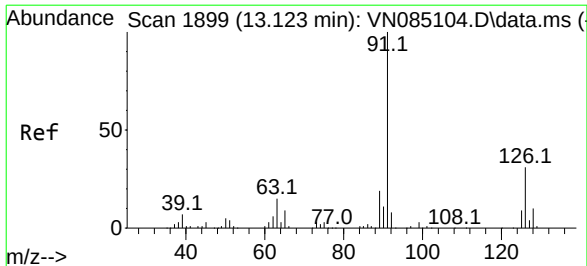
Tgt Ion: 91 Resp: 177101

Ion Ratio Lower Upper

91 100

120 21.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.552 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 91 Resp: 111085

Ion Ratio Lower Upper

91 100

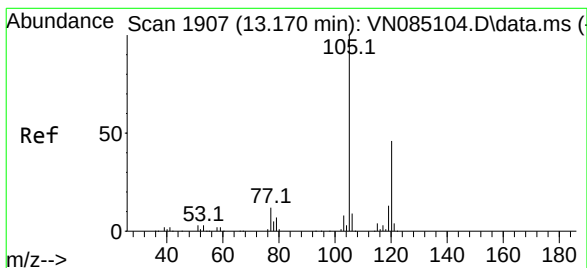
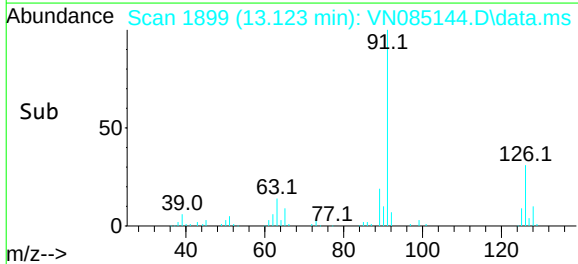
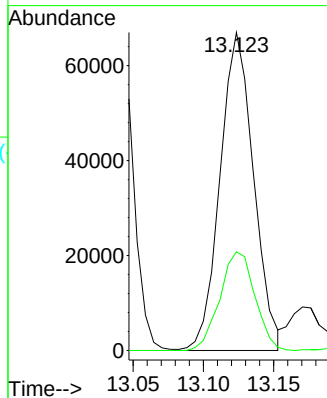
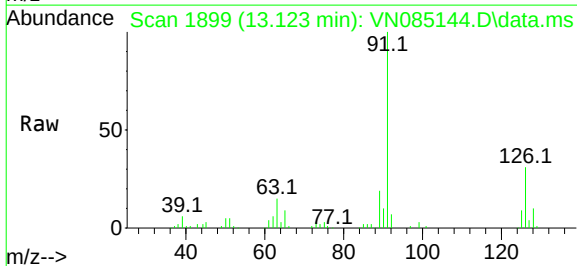
126 32.4 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.291 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085144.D

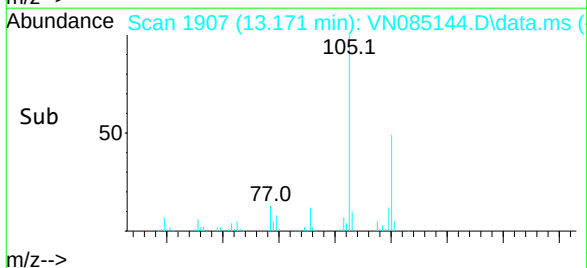
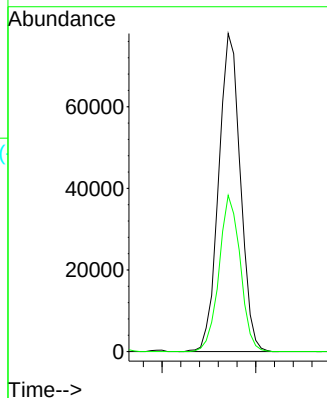
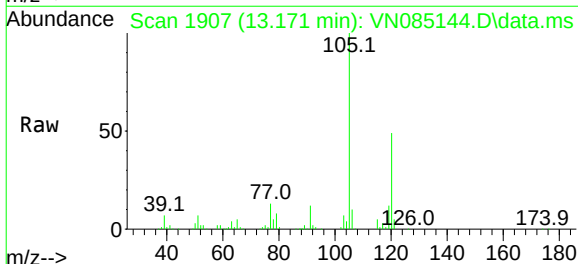
Acq: 09 Dec 2024 11:35

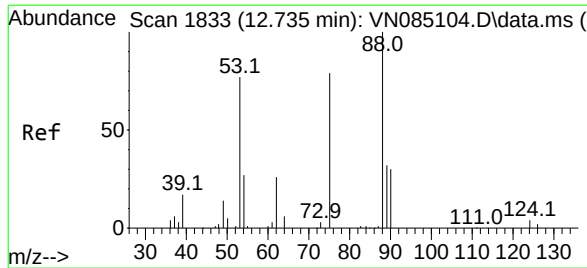
Tgt Ion:105 Resp: 125642

Ion Ratio Lower Upper

105 100

120 48.0 23.6 71.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.401 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN085144.D

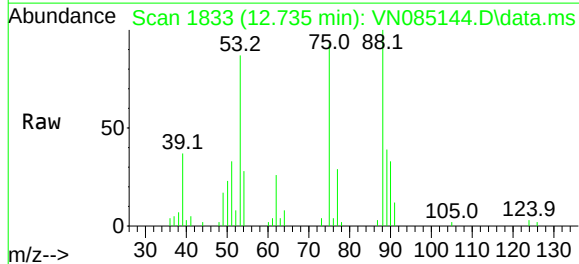
Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01



Tgt Ion: 75 Resp: 17583

Ion Ratio Lower Upper

75 100

53 104.1 78.2 117.4

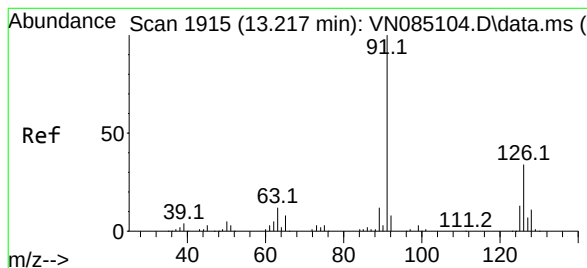
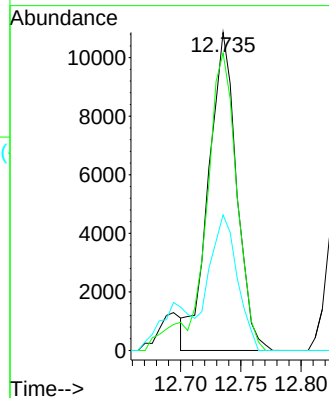
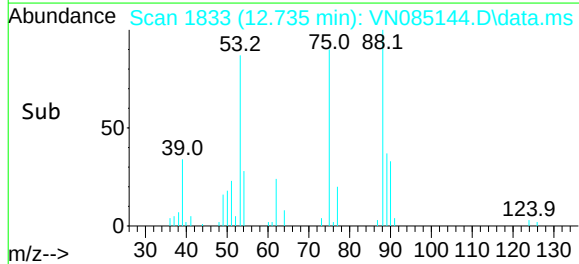
89 42.2 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#82

4-Chlorotoluene

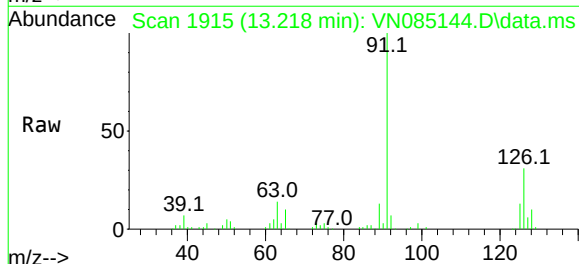
Concen: 19.088 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

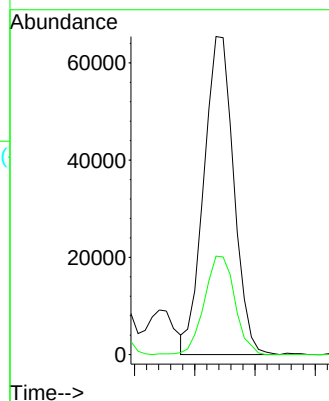
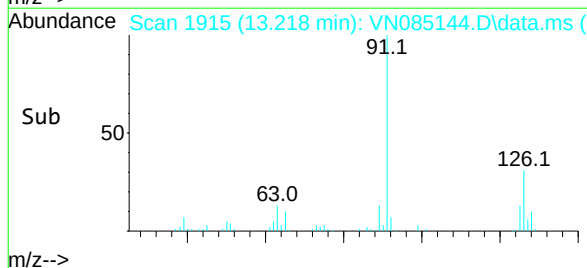


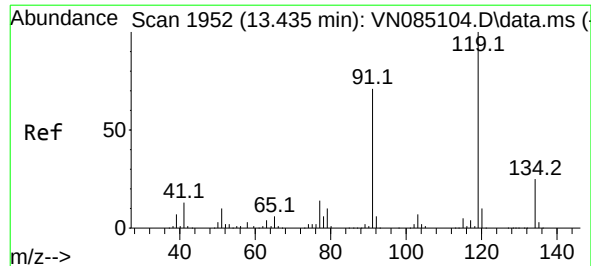
Tgt Ion: 91 Resp: 112899

Ion Ratio Lower Upper

91 100

126 31.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 20.191 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:119 Resp: 107573

Ion Ratio Lower Upper

119 100

91 67.0 35.1 105.5

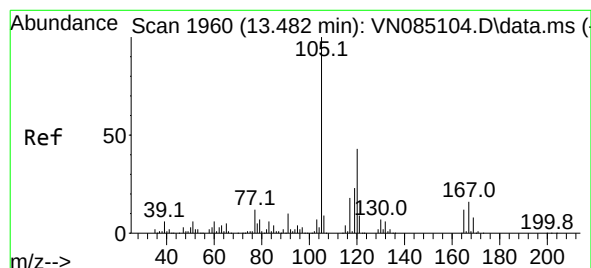
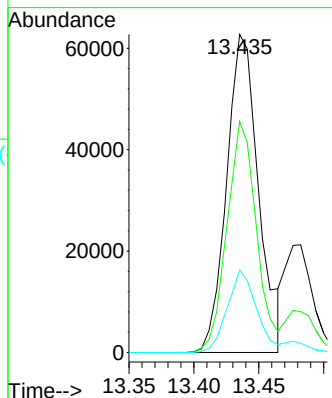
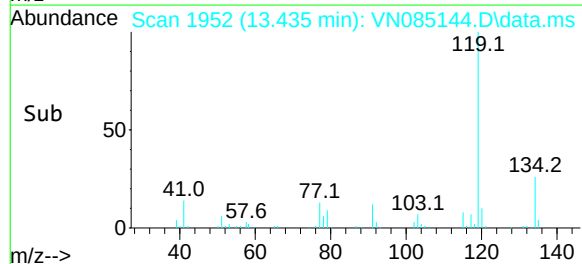
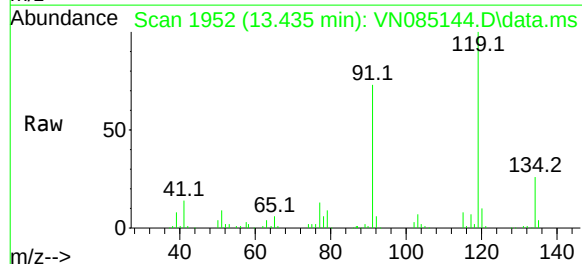
134 23.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 19.871 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085144.D

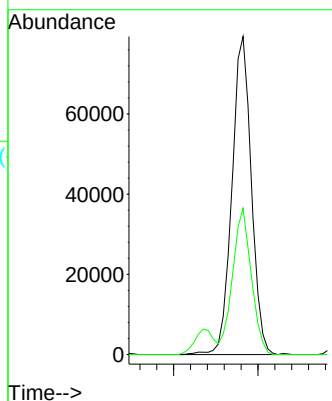
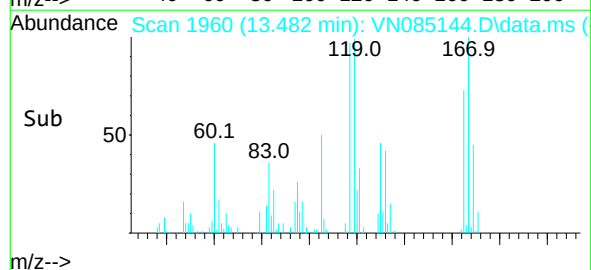
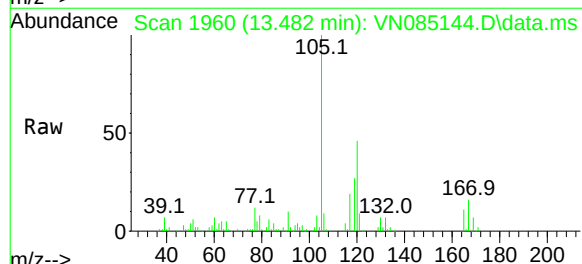
Acq: 09 Dec 2024 11:35

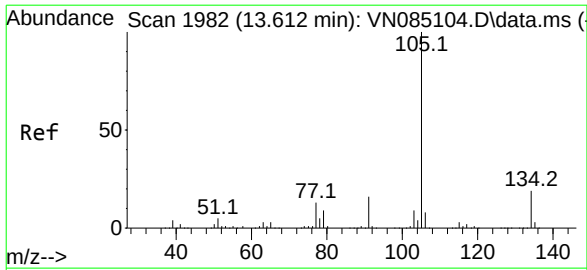
Tgt Ion:105 Resp: 126653

Ion Ratio Lower Upper

105 100

120 44.5 21.8 65.4





#85

sec-Butylbenzene

Concen: 20.537 ug/l

RT: 13.618 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:105 Resp: 147809

Ion Ratio Lower Upper

105 100

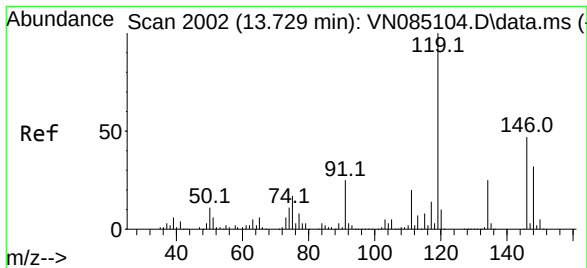
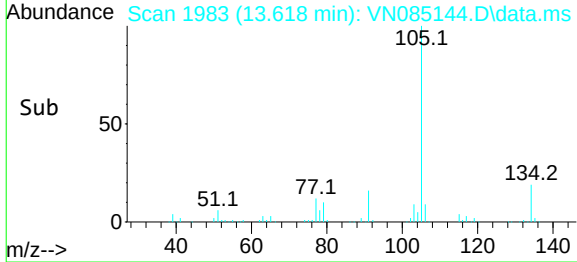
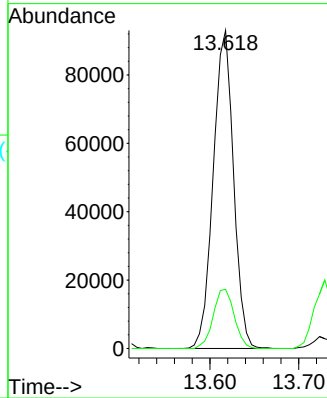
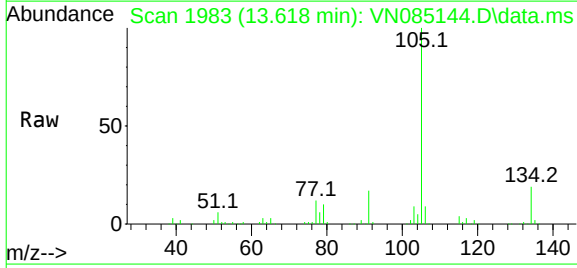
134 19.3 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 20.331 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

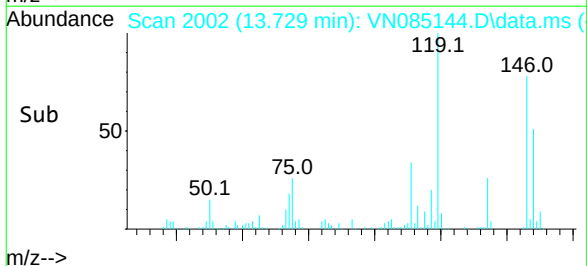
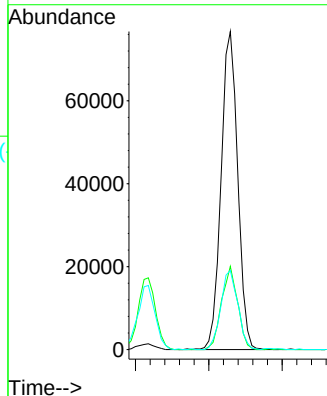
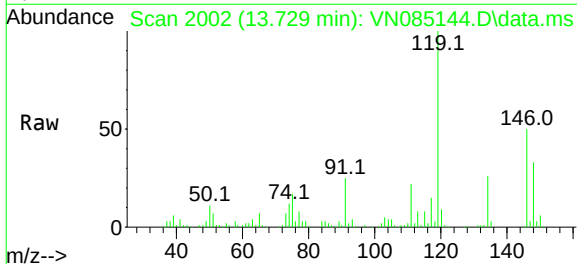
Tgt Ion:119 Resp: 120791

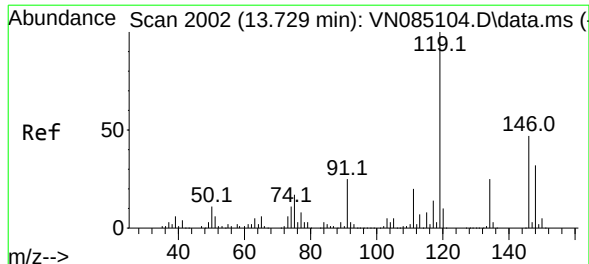
Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 17.496 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

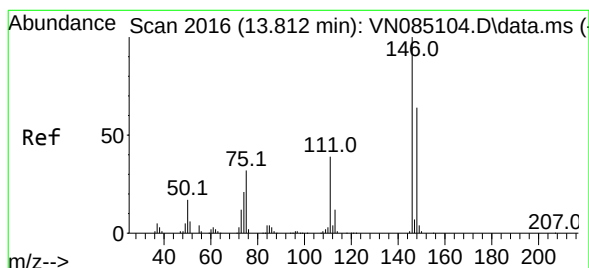
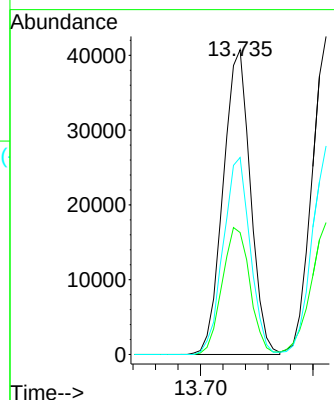
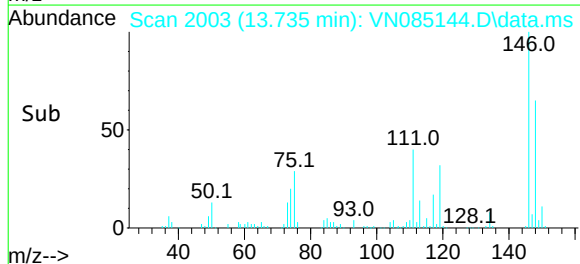
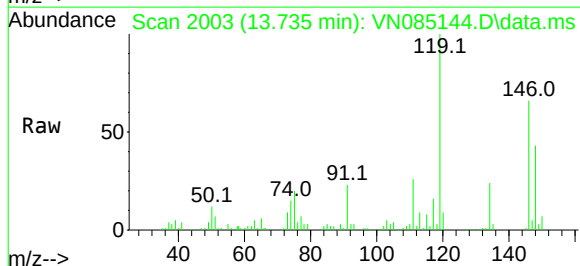
Tgt Ion:	146	Resp:	68527
Ion Ratio	Lower	Upper	
146	100		
111	42.6	21.6	65.0
148	64.1	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 17.319 ug/l

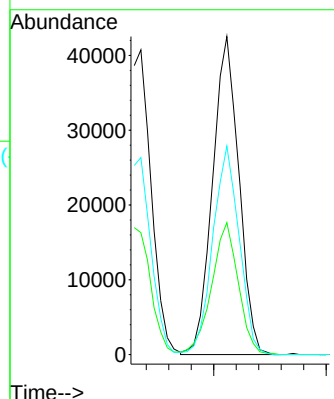
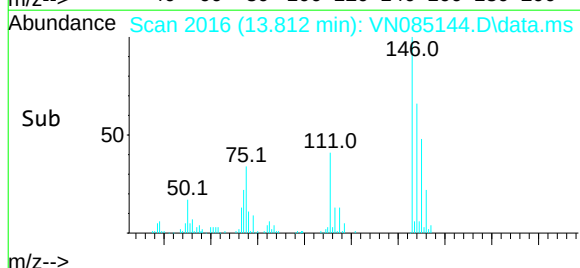
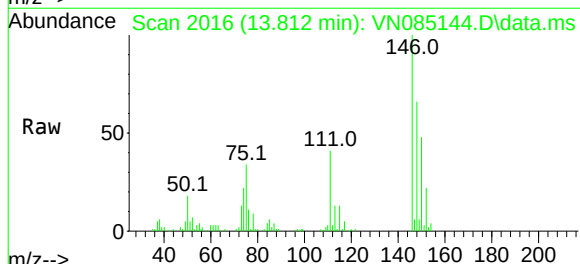
RT: 13.812 min Scan# 2016

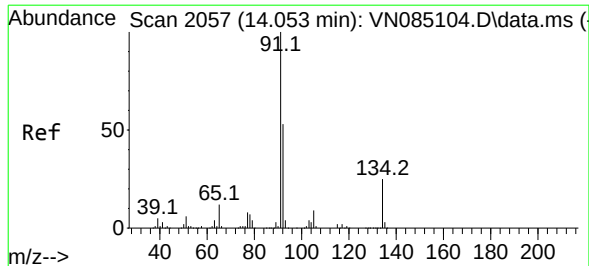
Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:	146	Resp:	69227
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.9	62.8
148	65.5	31.3	93.9





#89

n-Butylbenzene

Concen: 17.401 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

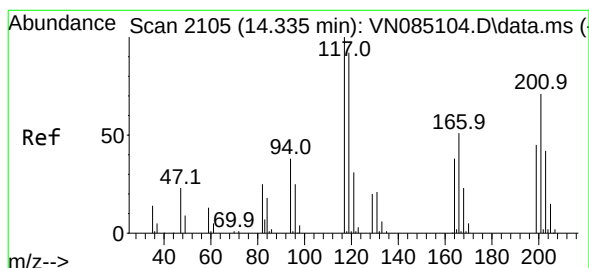
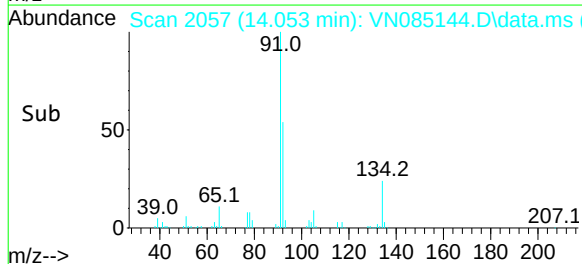
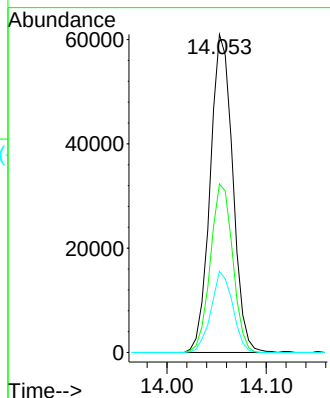
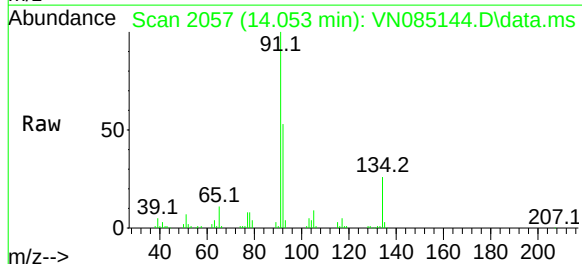
Tgt Ion:	91	Resp:	96140
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.8	80.3
134	24.6	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 19.464 ug/l

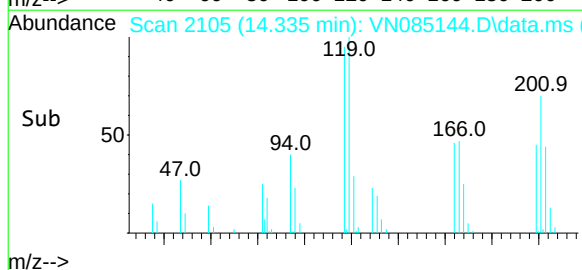
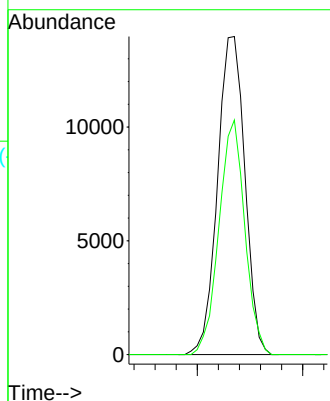
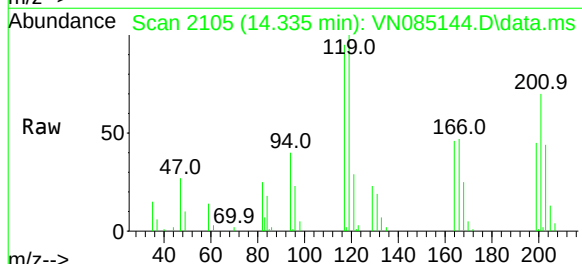
RT: 14.335 min Scan# 2105

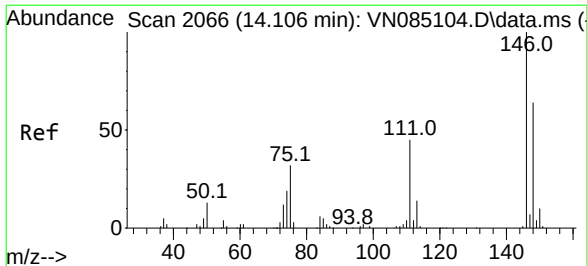
Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

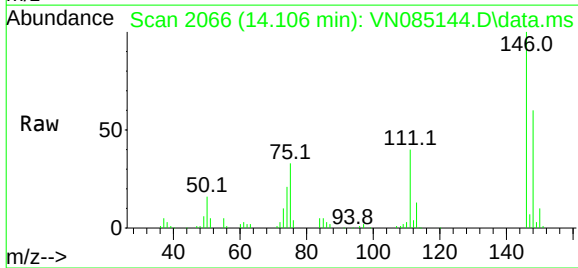
Tgt Ion:	117	Resp:	25206
Ion Ratio	Lower	Upper	
117	100		
201	69.6	35.2	105.6





#91
1,2-Dichlorobenzene
Concen: 17.412 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

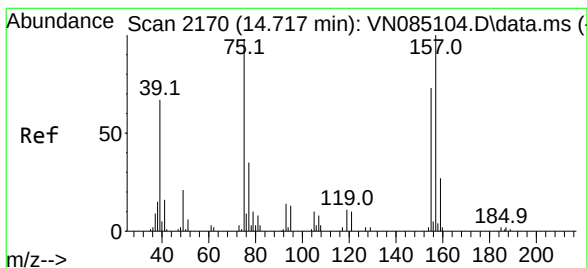
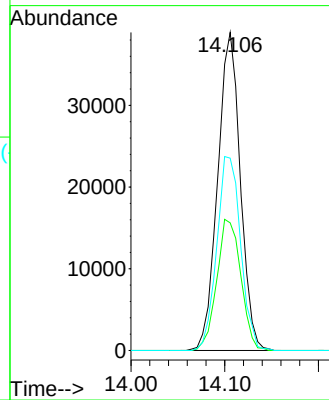
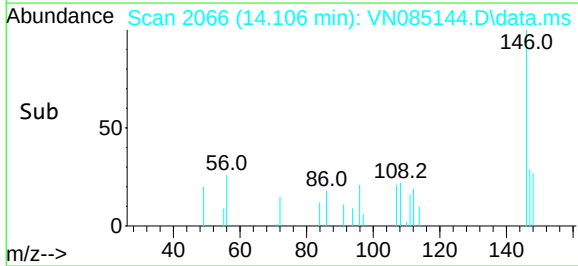
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01



Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.9	65.8
148	64.2	31.1	93.2

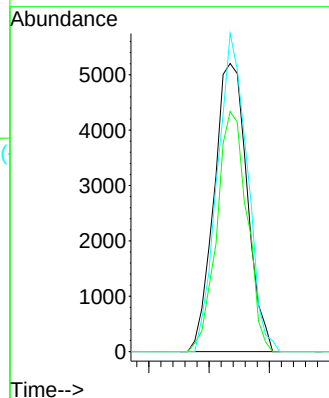
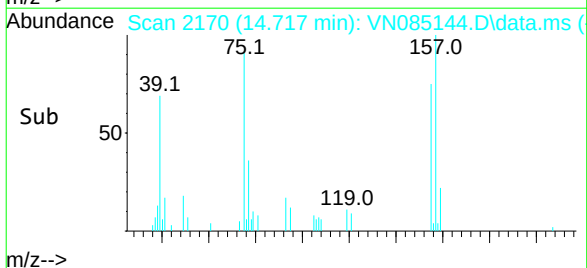
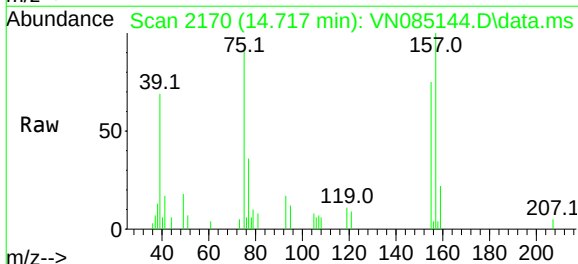
Manual Integrations
APPROVED

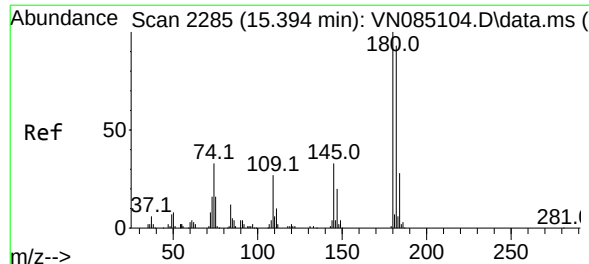
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.338 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	38.9	116.7
157	99.8	48.3	144.9





#93

1,2,4-Trichlorobenzene

Concen: 15.840 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:180 Resp: 32298

Ion Ratio Lower Upper

180 100

182 93.8 46.9 140.8

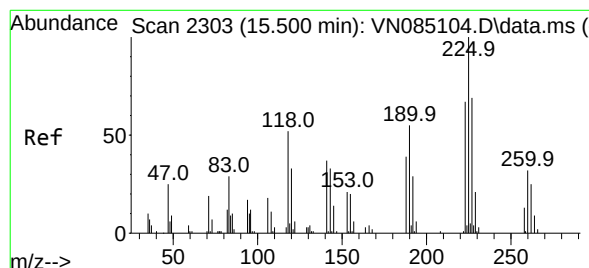
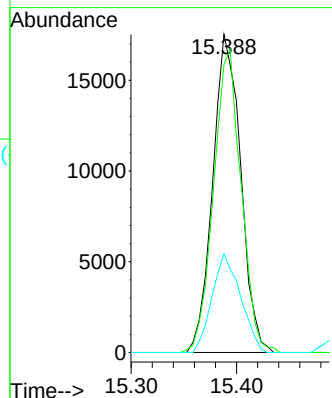
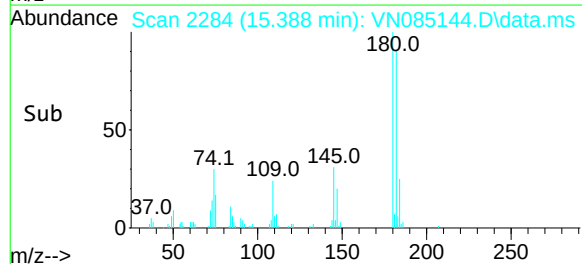
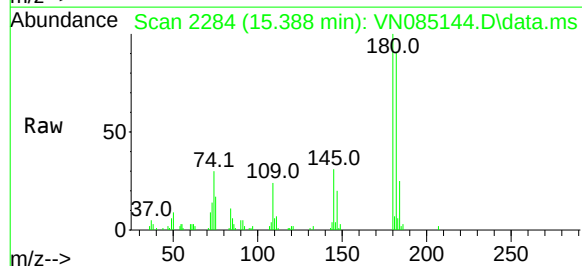
145 31.6 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 17.460 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

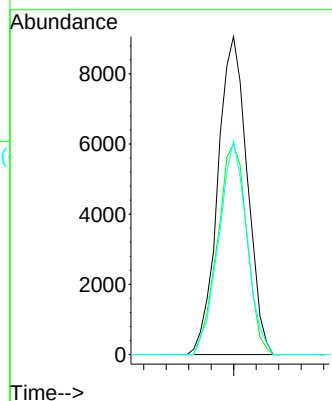
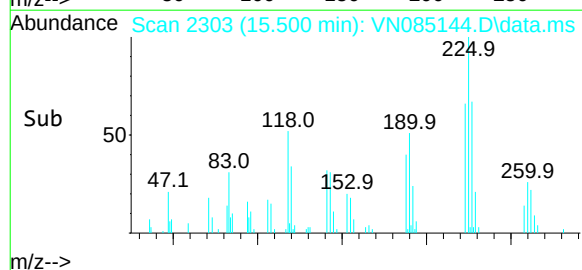
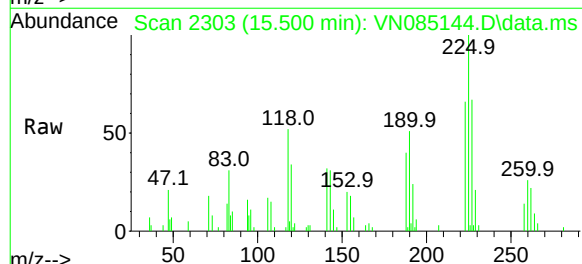
Tgt Ion:225 Resp: 16431

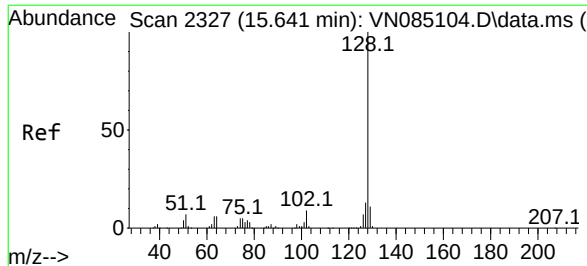
Ion Ratio Lower Upper

225 100

223 66.0 30.9 92.8

227 64.5 31.5 94.5





#95

Naphthalene

Concen: 15.840 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion:128 Resp: 91989

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

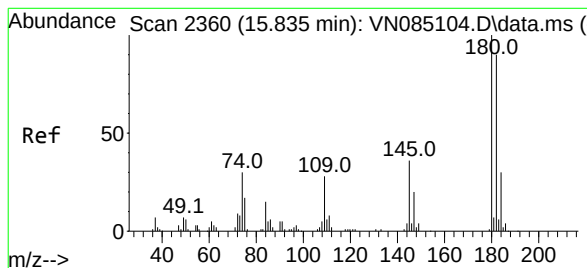
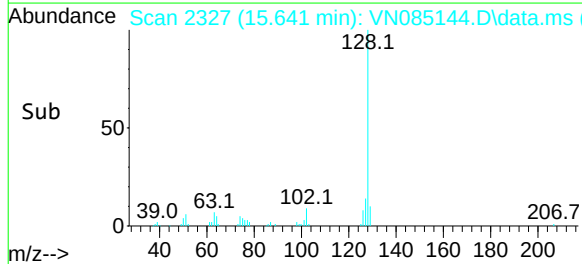
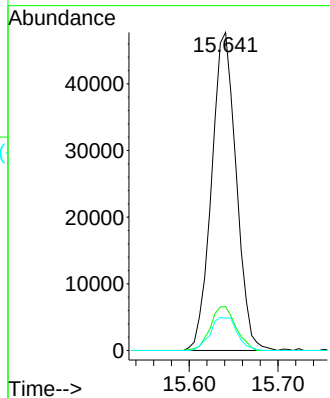
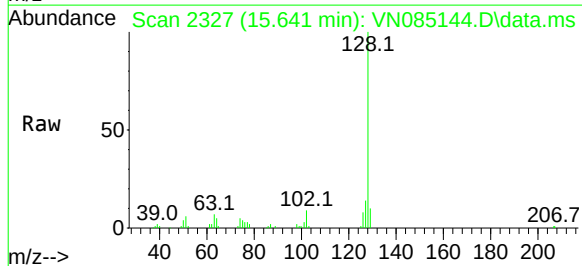
129 11.4 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 16.282 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

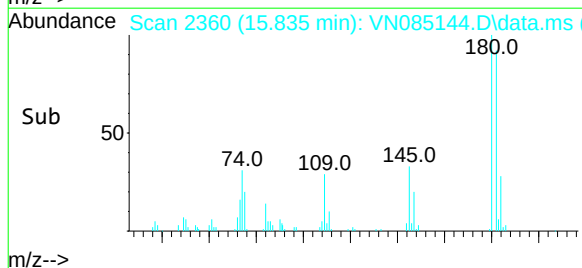
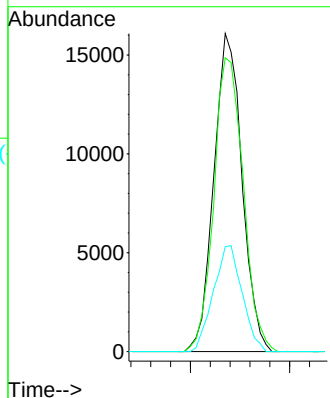
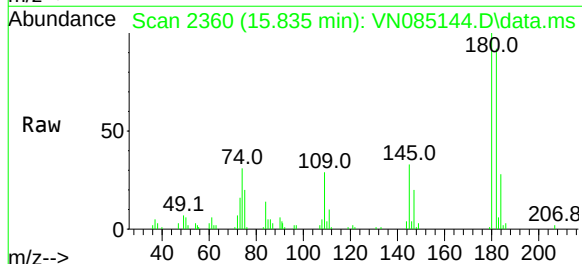
Tgt Ion:180 Resp: 31678

Ion Ratio Lower Upper

180 100

182 96.7 46.4 139.2

145 34.1 17.3 52.0



Report of Analysis

Client:	Weston Solutions	Date Collected:	
Project:	Ft Meade Tipton Airfield Parcel RI - PO 0111169	Date Received:	
Client Sample ID:	VN1209WBSD01	SDG No.:	P5117
Lab Sample ID:	VN1209WBSD01	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
VN085145.D	1		12/09/24 12:09	VN120924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	16.7		0.34	0.75	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	0.75	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.0		0.25	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-43-2	Benzene	20.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.32	0.75	1.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.13	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.0		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	8.224				
540-36-3	1,4-Difluorobenzene	228000	9.1				
3114-55-4	Chlorobenzene-d5	203000	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\VN120924\
 Data File : VN085145.D
 Acq On : 09 Dec 2024 12:09
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 06:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	142912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101401	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	103903	51.041	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.080%
35) Dibromofluoromethane	8.165	113	82760	53.889	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.780%
50) Toluene-d8	10.565	98	280439	50.954	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.900%
62) 4-Bromofluorobenzene	12.847	95	108911	52.915	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	25340	15.681	ug/l	100
3) Chloromethane	2.359	50	28131	15.009	ug/l	94
4) Vinyl Chloride	2.512	62	28111	16.690	ug/l	98
5) Bromomethane	2.954	94	21310	22.573	ug/l	89
6) Chloroethane	3.118	64	19554	17.224	ug/l	89
7) Trichlorofluoromethane	3.495	101	53885	18.806	ug/l	93
8) Diethyl Ether	3.959	74	18528	18.999	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	30675	18.876	ug/l	97
10) Methyl Iodide	4.589	142	34867	16.209	ug/l #	88
11) Tert butyl alcohol	5.524	59	32374	119.009	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	27589	18.188	ug/l	98
13) Acrolein	4.183	56	16533	91.082	ug/l	96
14) Allyl chloride	5.024	41	40399	15.799	ug/l	93
15) Acrylonitrile	5.712	53	83176	107.998	ug/l	99
16) Acetone	4.430	43	74370	125.441	ug/l	100
17) Carbon Disulfide	4.712	76	75855	16.942	ug/l	97
18) Methyl Acetate	5.024	43	41727	21.363	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	99012	19.978	ug/l	99
20) Methylene Chloride	5.271	84	32787	18.123	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	30746	19.261	ug/l	96
22) Diisopropyl ether	6.671	45	98604	19.159	ug/l	98
23) Vinyl Acetate	6.600	43	362666	102.144	ug/l	99
24) 1,1-Dichloroethane	6.565	63	57735	18.746	ug/l	97
25) 2-Butanone	7.483	43	112790	116.364	ug/l	99
26) 2,2-Dichloropropane	7.489	77	52876	18.386	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	37551	19.514	ug/l	96
28) Bromochloromethane	7.806	49	23969	20.617	ug/l #	14
29) Tetrahydrofuran	7.836	42	71330	118.337	ug/l	98
30) Chloroform	7.959	83	63927	19.513	ug/l	91
31) Cyclohexane	8.253	56	48755	17.980	ug/l #	92
32) 1,1,1-Trichloroethane	8.165	97	57246	19.337	ug/l	99
36) 1,1-Dichloropropene	8.371	75	40646	19.540	ug/l	99
37) Ethyl Acetate	7.559	43	42607	22.530	ug/l	98
38) Carbon Tetrachloride	8.359	117	50365	20.975	ug/l	98
39) Methylcyclohexane	9.600	83	39992	18.501	ug/l	91
40) Benzene	8.606	78	131898	20.048	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085145.D
 Acq On : 09 Dec 2024 12:09
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/10/2024
 Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 06:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	24485	23.385	ug/l	97
42) 1,2-Dichloroethane	8.671	62	46478	20.649	ug/l	98
43) Isopropyl Acetate	8.688	43	72452	18.444	ug/l	97
44) Trichloroethene	9.347	130	32181	21.047	ug/l	91
45) 1,2-Dichloropropane	9.618	63	33025	20.380	ug/l	94
46) Dibromomethane	9.706	93	24259	21.544	ug/l	96
47) Bromodichloromethane	9.888	83	51571	21.610	ug/l	98
48) Methyl methacrylate	9.683	41	32820	22.453	ug/l	97
49) 1,4-Dioxane	9.694	88	14074	555.200	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	229577	127.955	ug/l	99
52) Toluene	10.630	92	81847	21.014	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	50056	20.921	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	52486	20.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	33335	22.978	ug/l	98
56) Ethyl methacrylate	10.871	69	48238	22.755	ug/l	98
57) 1,3-Dichloropropane	11.165	76	55071	21.568	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	111311	107.042	ug/l	100
59) 2-Hexanone	11.194	43	172584	128.613	ug/l	97
60) Dibromochloromethane	11.359	129	40774	22.997	ug/l	98
61) 1,2-Dibromoethane	11.471	107	33251	22.146	ug/l	100
64) Tetrachloroethene	11.100	164	28313	20.683	ug/l	93
65) Chlorobenzene	11.894	112	90827	19.714	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	33935	20.920	ug/l	98
67) Ethyl Benzene	11.965	91	147522	19.736	ug/l	100
68) m/p-Xylenes	12.071	106	116268	40.857	ug/l	99
69) o-Xylene	12.394	106	53545	19.780	ug/l	96
70) Styrene	12.412	104	97192	21.590	ug/l	97
71) Bromoform	12.576	173	28670	23.810	ug/l #	100
73) Isopropylbenzene	12.694	105	140110	19.586	ug/l	100
74) N-amyl acetate	12.494	43	61760	20.951	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48806	19.980	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	34594m	18.756	ug/l	
77) Bromobenzene	12.976	156	37253	19.352	ug/l	98
78) n-propylbenzene	13.035	91	169221	20.509	ug/l	100
79) 2-Chlorotoluene	13.123	91	107288	19.479	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	124423	20.728	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	16816m	20.127	ug/l	
82) 4-Chlorotoluene	13.218	91	108808	18.977	ug/l	99
83) tert-Butylbenzene	13.435	119	102778	19.900	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	123353	19.964	ug/l	98
85) sec-Butylbenzene	13.618	105	139963	20.061	ug/l	98
86) p-Isopropyltoluene	13.729	119	115995	20.140	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	68149	17.948	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	68126	17.582	ug/l	98
89) n-Butylbenzene	14.053	91	95516	17.833	ug/l	96
90) Hexachloroethane	14.335	117	23660	18.846	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	64932	17.846	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9668	20.468	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	31255	15.812	ug/l	98
94) Hexachlorobutadiene	15.506	225	16202	17.760	ug/l	97
95) Naphthalene	15.641	128	98185	17.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	31563	16.735	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024

Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

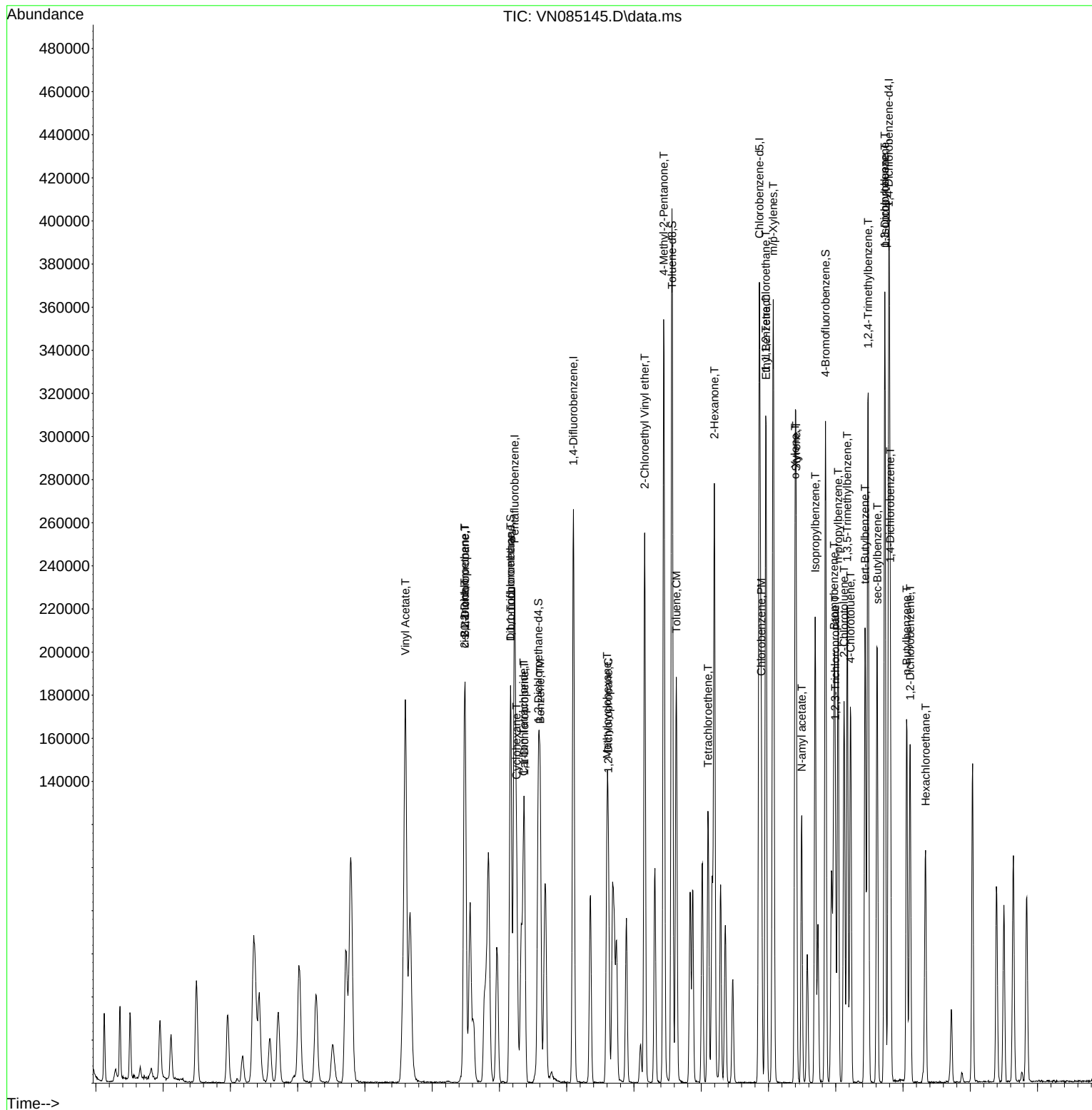
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Data File : VN085145.D
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Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

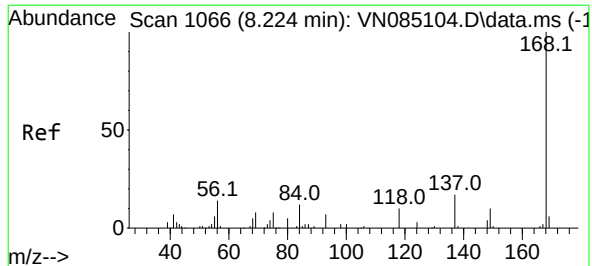
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

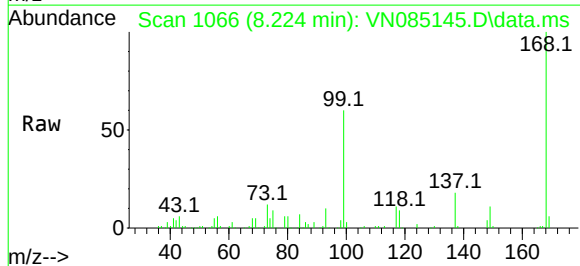
Quant Time: Dec 10 06:58:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

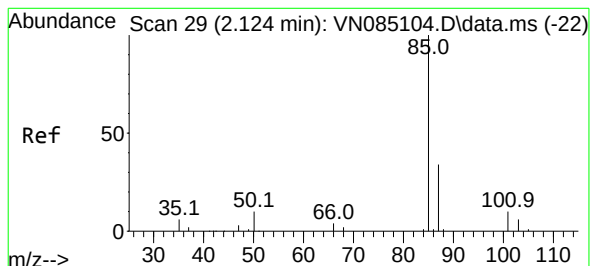
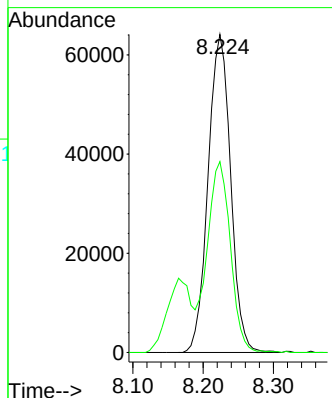
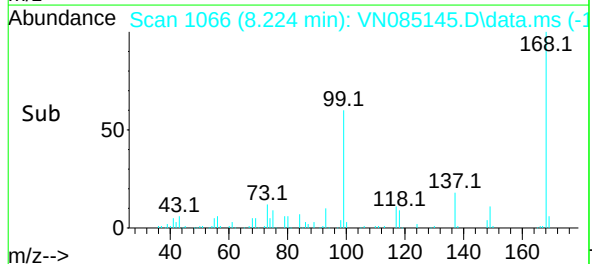
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 168 Resp: 142912
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

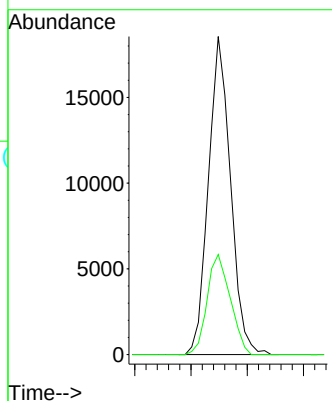
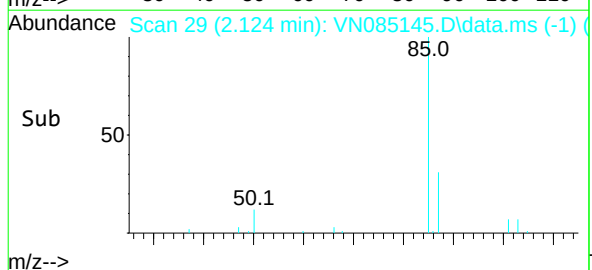
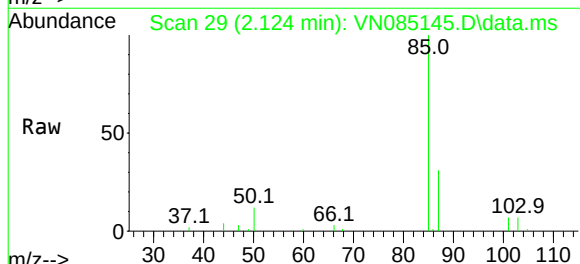
Manual Integrations
APPROVED

Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024

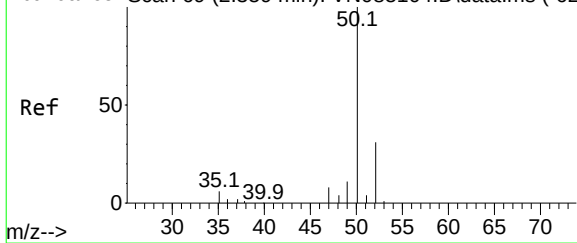


#2
Dichlorodifluoromethane
Concen: 15.681 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 85 Resp: 25340
Ion Ratio Lower Upper
85 100
87 31.5 15.7 47.1



Abundance Scan 69 (2.359 min): VN085104.D\data.ms (-62)



#3

Chloromethane

Concen: 15.009 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 50 Resp: 28131

Ion Ratio Lower Upper

50 100

52 31.1 27.8 41.8

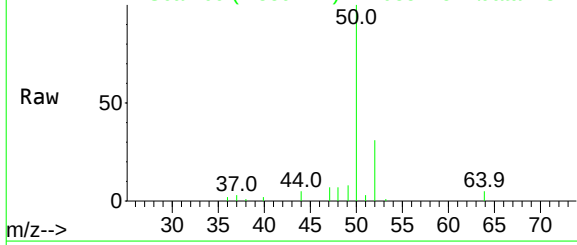
Manual Integrations

APPROVED

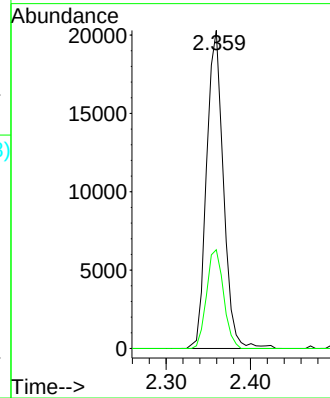
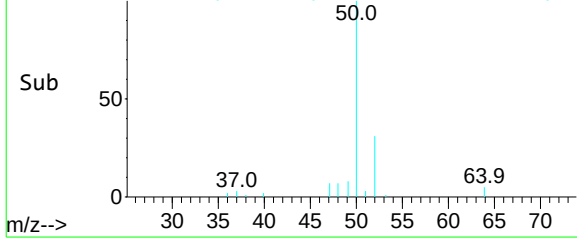
Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024

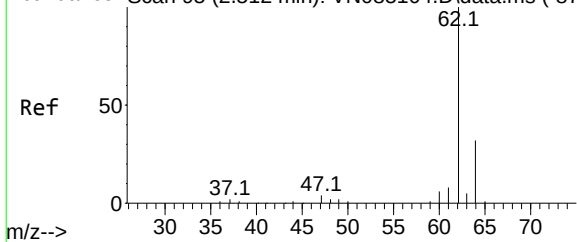
Abundance Scan 69 (2.359 min): VN085145.D\data.ms



Abundance Scan 69 (2.359 min): VN085145.D\data.ms (-18)



Abundance Scan 95 (2.512 min): VN085104.D\data.ms (-87)



#4

Vinyl Chloride

Concen: 16.690 ug/l

RT: 2.512 min Scan# 95

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

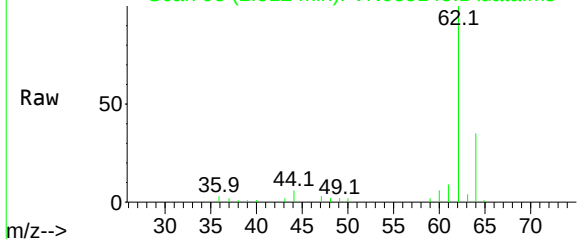
Tgt Ion: 62 Resp: 28111

Ion Ratio Lower Upper

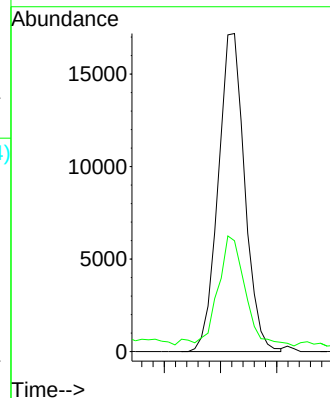
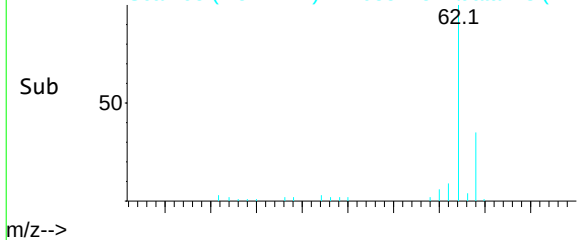
62 100

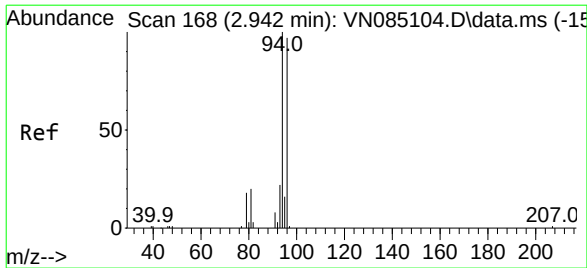
64 31.9 24.6 36.8

Abundance Scan 95 (2.512 min): VN085145.D\data.ms



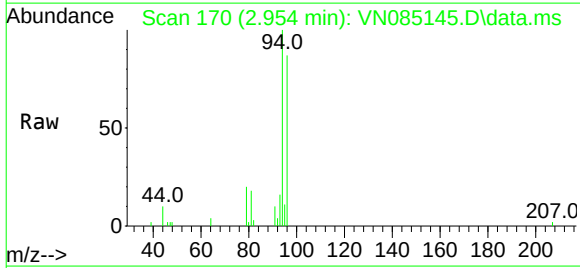
Abundance Scan 95 (2.512 min): VN085145.D\data.ms (-44)





#5
Bromomethane
Concen: 22.573 ug/l
RT: 2.954 min Scan# 171
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

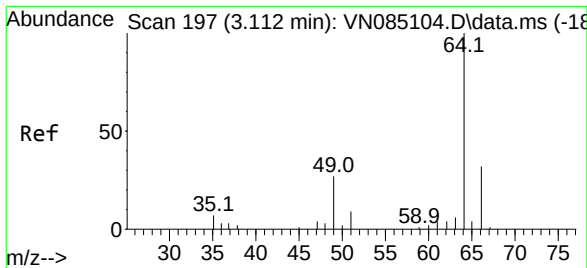
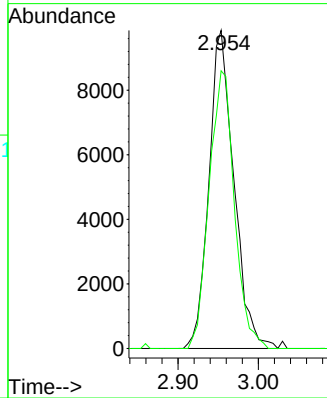
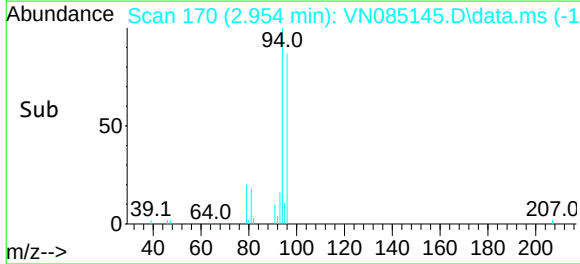
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 94 Resp: 21310
Ion Ratio Lower Upper
94 100
96 87.3 78.7 118.1

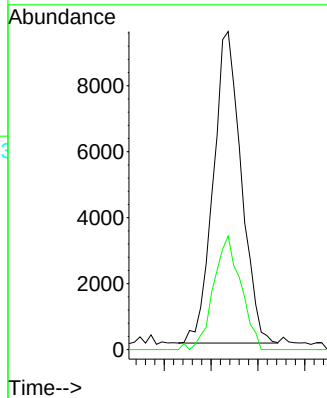
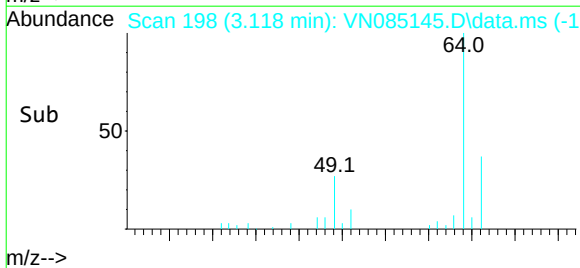
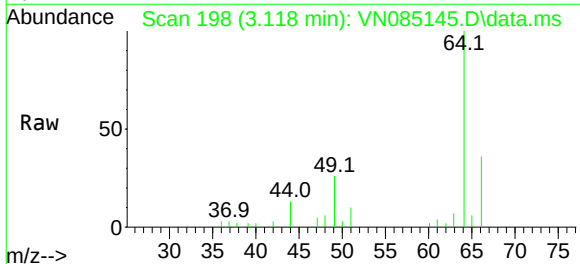
Manual Integrations
APPROVED

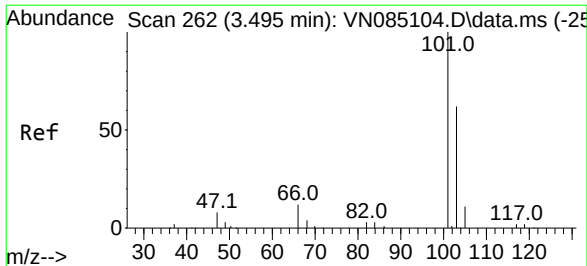
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#6
Chloroethane
Concen: 17.224 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 64 Resp: 19554
Ion Ratio Lower Upper
64 100
66 36.5 24.4 36.6





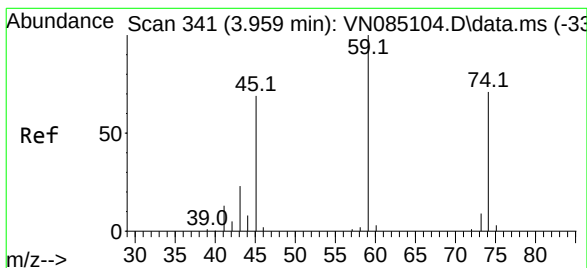
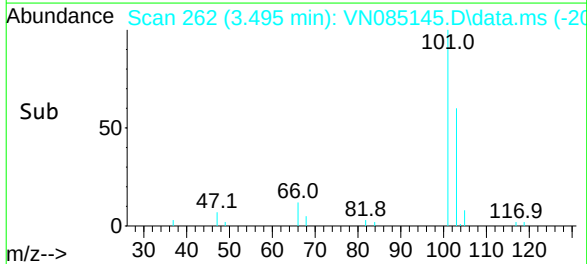
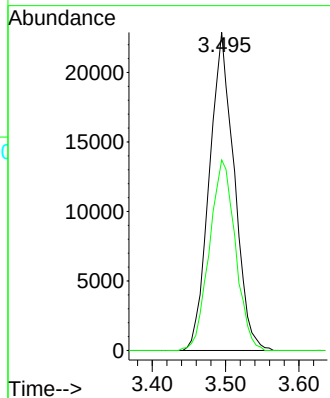
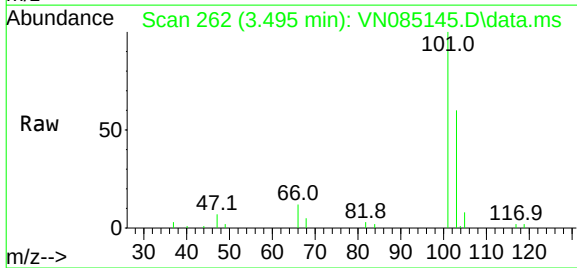
#7
Trichlorofluoromethane
Concen: 18.806 ug/l
RT: 3.495 min Scan# 262
Delta R.T. 0.035 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 101 Resp: 53885
Ion Ratio Lower Upper
101 100
103 59.9 52.6 78.8

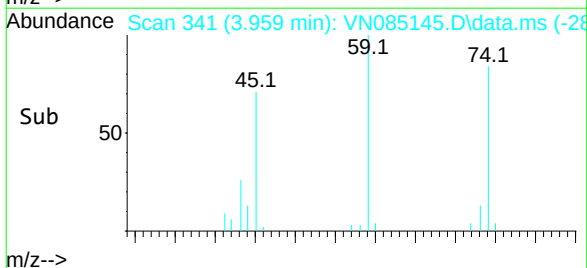
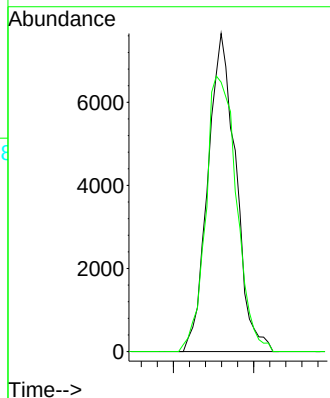
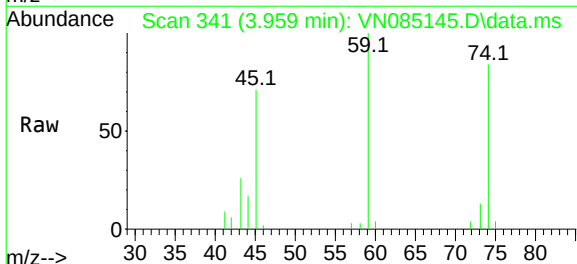
Manual Integrations
APPROVED

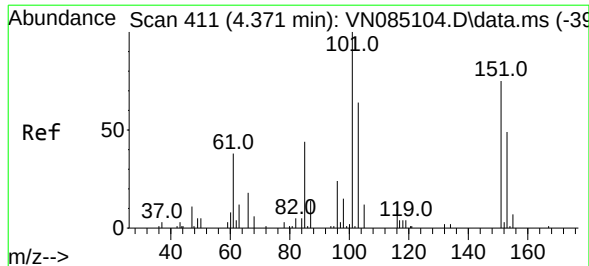
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#8
Diethyl Ether
Concen: 18.999 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

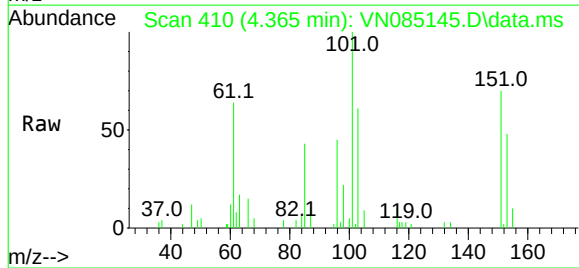
Tgt Ion: 74 Resp: 18528
Ion Ratio Lower Upper
74 100
45 95.3 46.7 140.1





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.876 ug/l
RT: 4.365 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

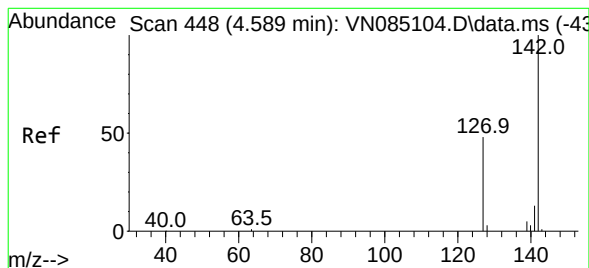
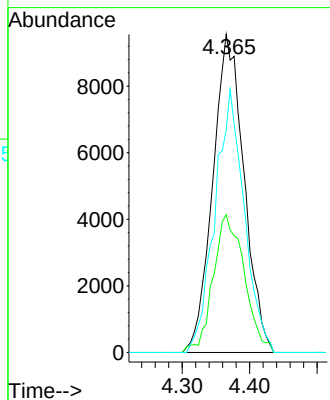
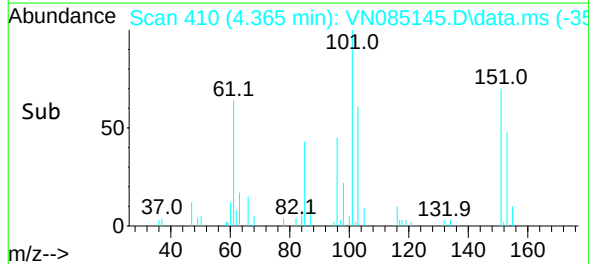
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.9	55.3
151	78.1	60.8	91.2

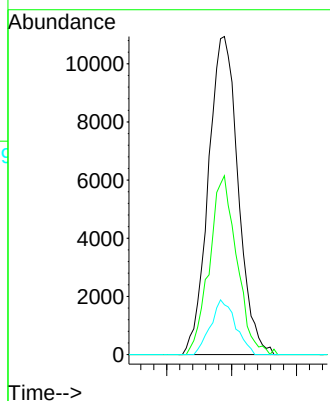
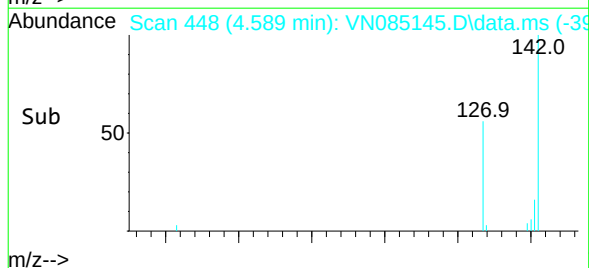
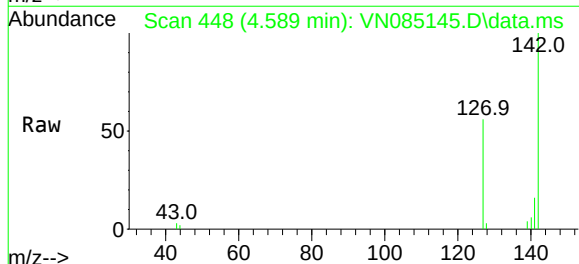
Manual Integrations
APPROVED

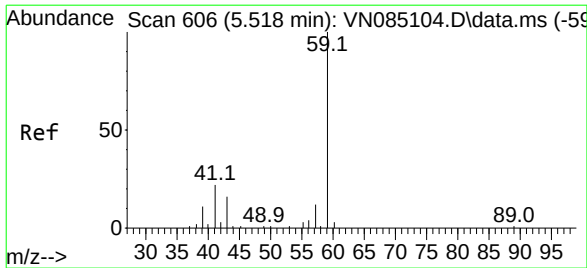
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#10
Methyl Iodide
Concen: 16.209 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion	Ratio	Lower	Upper
142	100		
127	56.2	36.6	54.8#
141	15.7	12.2	18.4





#11

Tert butyl alcohol

Concen: 119.009 ug/l

RT: 5.524 min Scan# 606

Delta R.T. -0.018 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 59 Resp: 32374

Ion Ratio Lower Upper

59 100

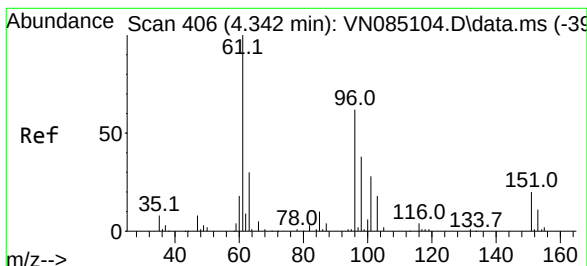
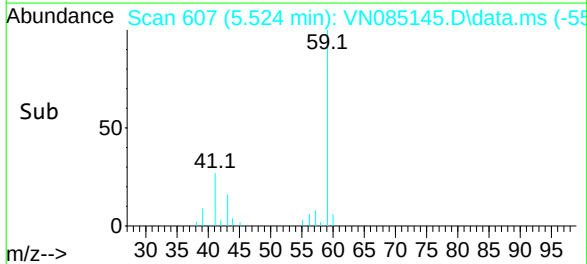
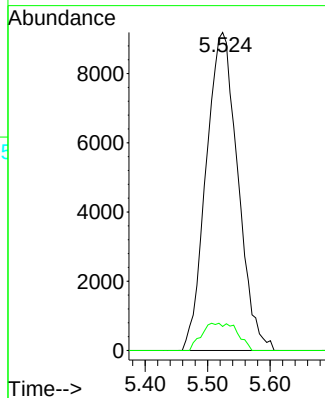
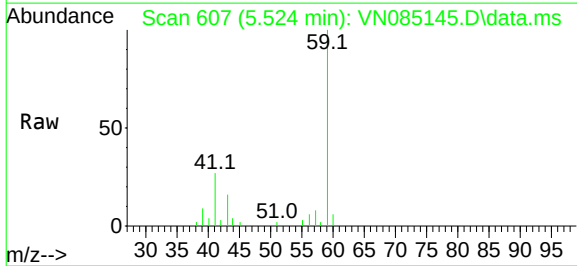
57 5.7 7.4 11.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#12

1,1-Dichloroethene

Concen: 18.188 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.024 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

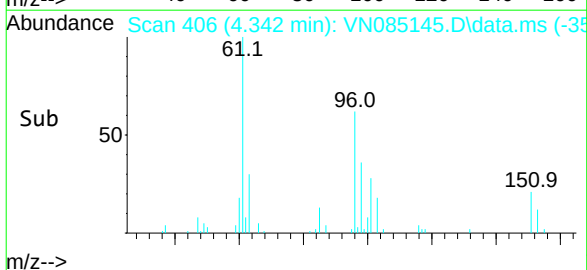
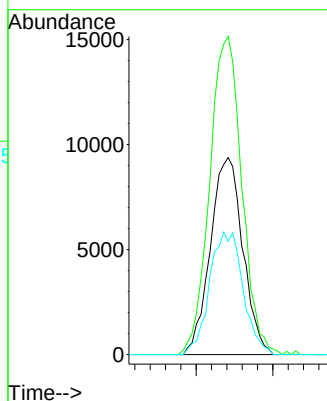
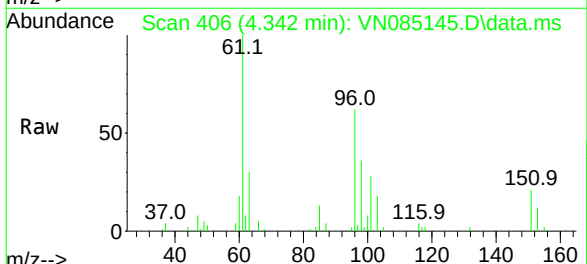
Tgt Ion: 96 Resp: 27589

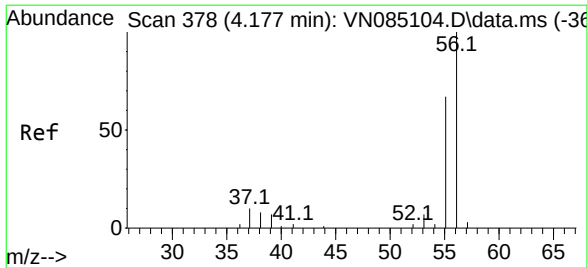
Ion Ratio Lower Upper

96 100

61 161.5 127.8 191.8

98 57.5 49.2 73.8





#13

Acrolein

Concen: 91.082 ug/l

RT: 4.183 min Scan# 37

Delta R.T. 0.018 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 56 Resp: 16533

Ion Ratio Lower Upper

56 100

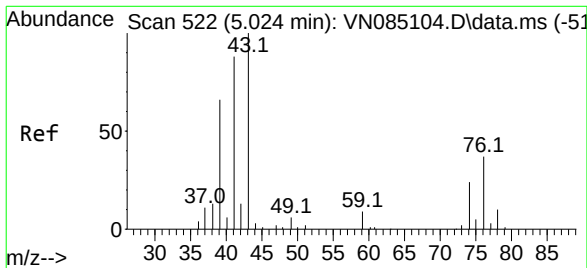
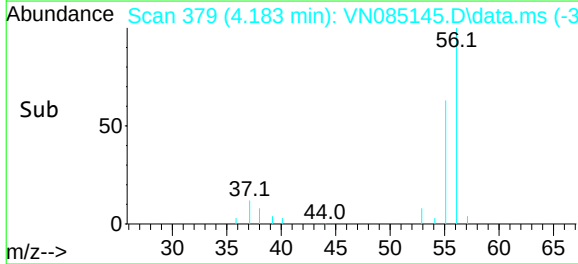
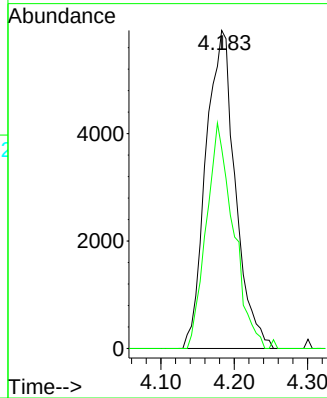
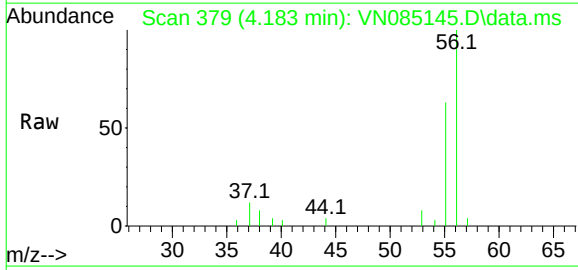
55 65.0 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#14

Allyl chloride

Concen: 15.799 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.018 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

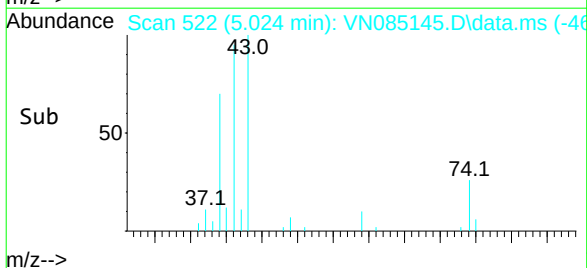
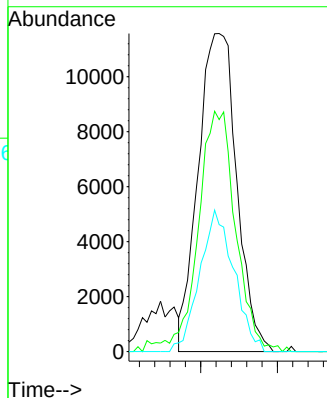
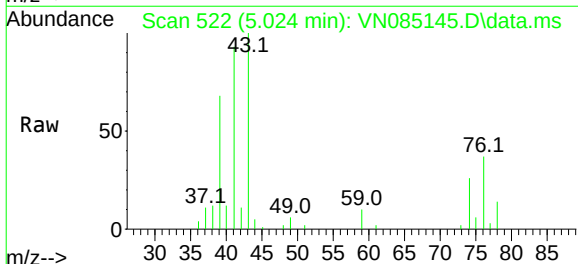
Tgt Ion: 41 Resp: 40399

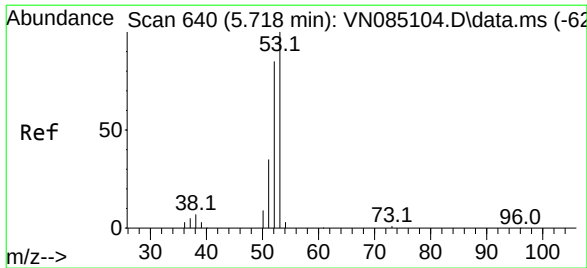
Ion Ratio Lower Upper

41 100

39 73.9 53.8 80.8

76 39.4 29.3 43.9





#15

Acrylonitrile

Concen: 107.998 ug/l

RT: 5.712 min Scan# 63

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 53 Resp: 83176

Ion Ratio Lower Upper

53 100

52 82.8 65.5 98.3

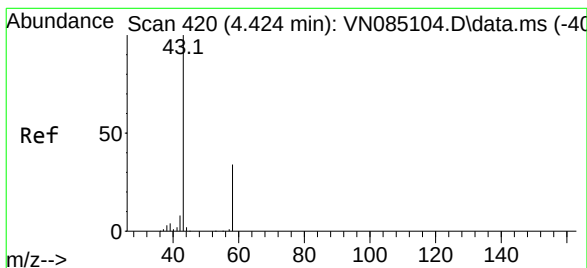
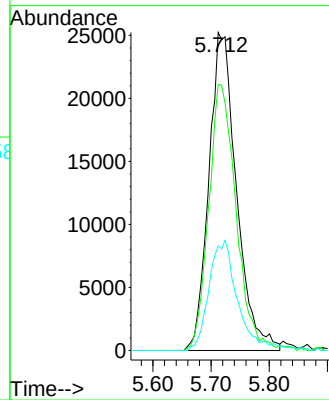
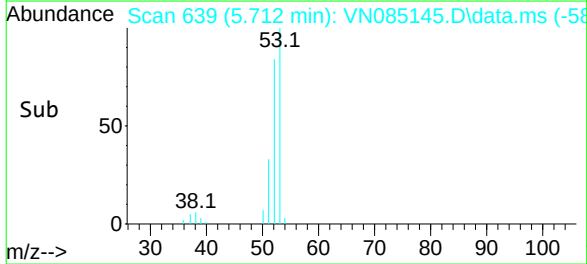
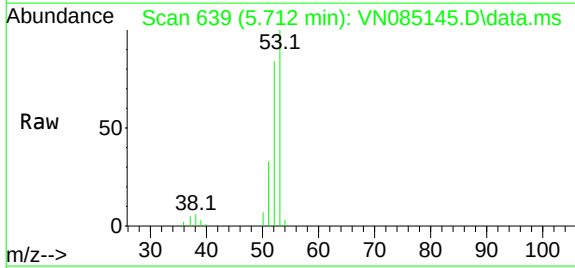
51 36.1 28.4 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#16

Acetone

Concen: 125.441 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN085145.D

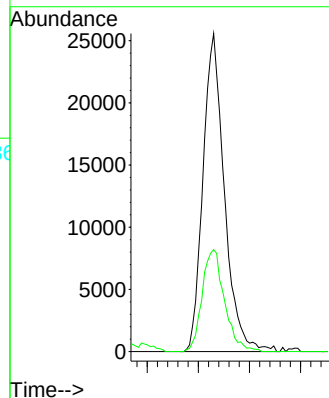
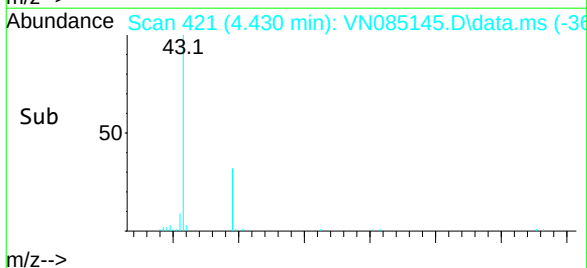
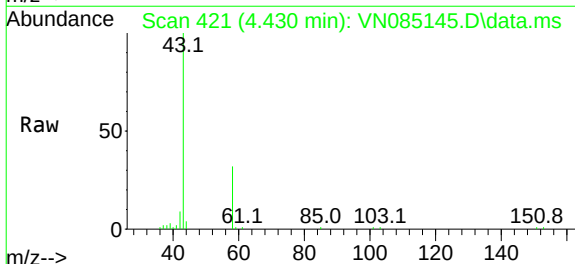
Acq: 09 Dec 2024 12:09

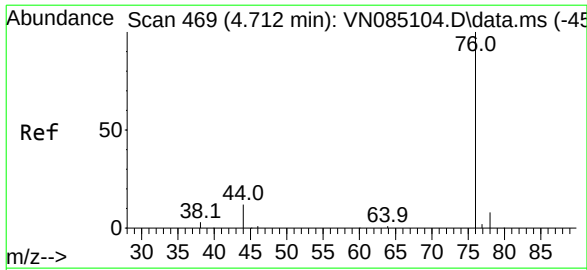
Tgt Ion: 43 Resp: 74370

Ion Ratio Lower Upper

43 100

58 32.1 25.4 38.2





#17

Carbon Disulfide

Concen: 16.942 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.018 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 76 Resp: 75855

Ion Ratio Lower Upper

76 100

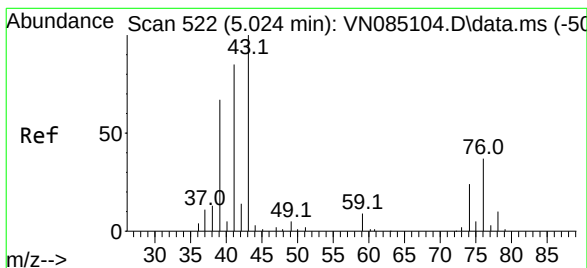
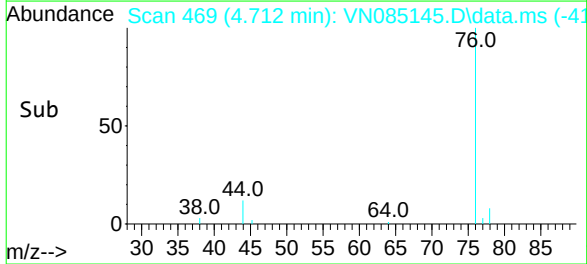
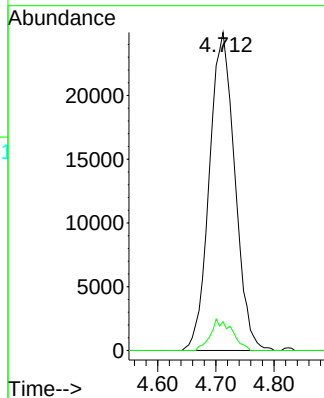
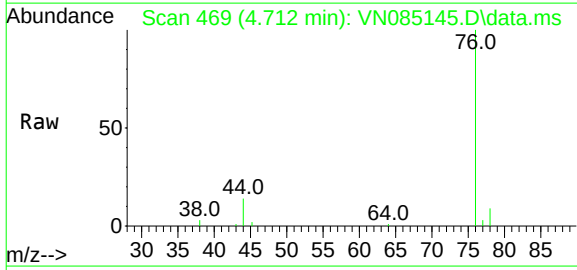
78 9.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#18

Methyl Acetate

Concen: 21.363 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN085145.D

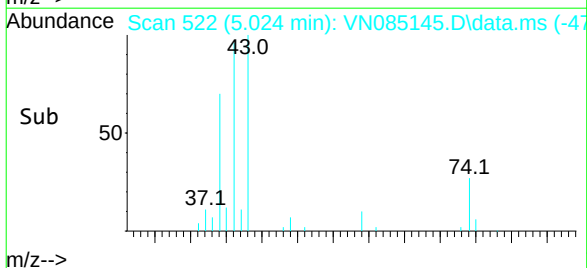
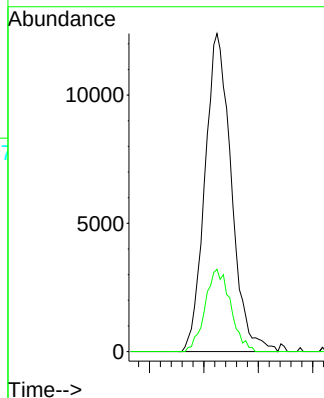
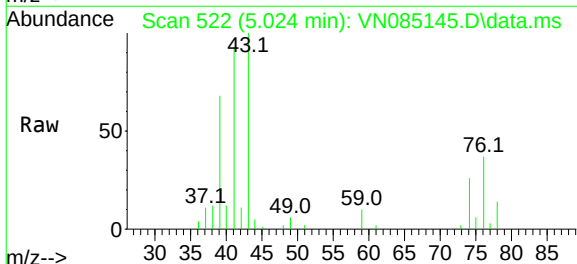
Acq: 09 Dec 2024 12:09

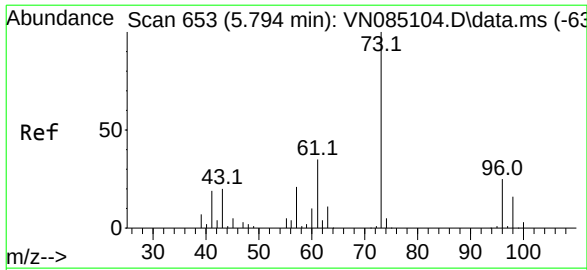
Tgt Ion: 43 Resp: 41727

Ion Ratio Lower Upper

43 100

74 25.0 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 19.978 ug/l

RT: 5.800 min Scan# 65

Delta R.T. 0.012 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 73 Resp: 99012

Ion Ratio Lower Upper

73 100

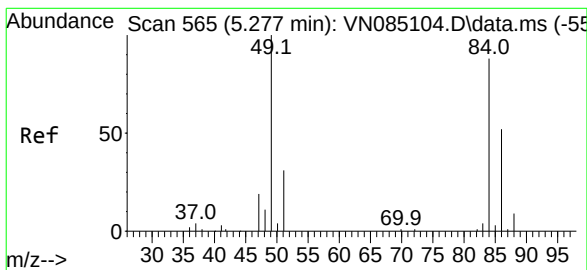
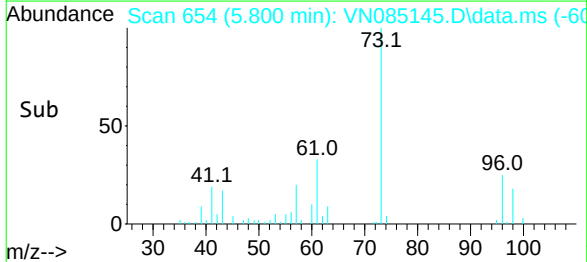
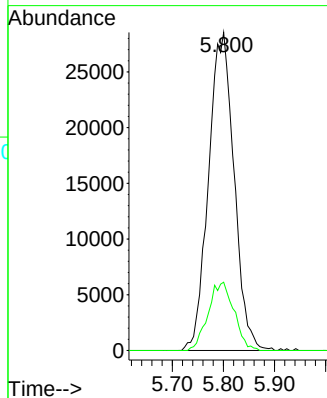
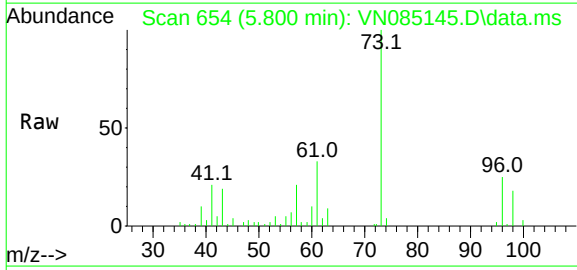
57 21.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#20

Methylene Chloride

Concen: 18.123 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion: 84 Resp: 32787

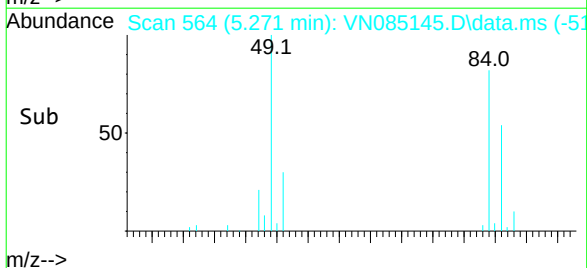
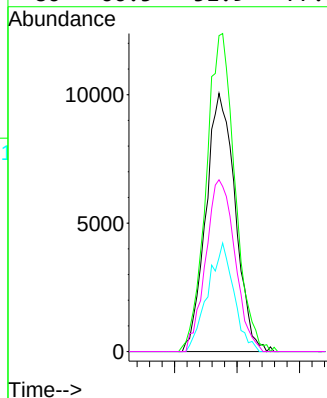
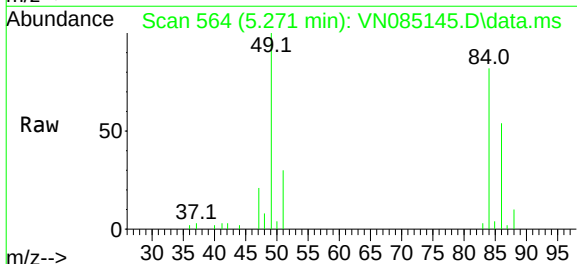
Ion Ratio Lower Upper

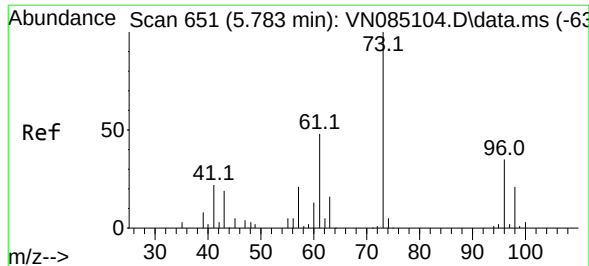
84 100

49 122.3 92.7 139.1

51 36.3 29.4 44.2

86 66.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.261 ug/l

RT: 5.789 min Scan# 651

Delta R.T. 0.018 min

Lab File: VN085145.D

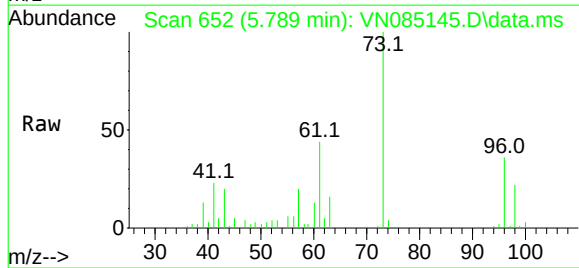
Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01



Tgt Ion: 96 Resp: 30746

Ion Ratio Lower Upper

96 100

61 121.3 100.7 151.1

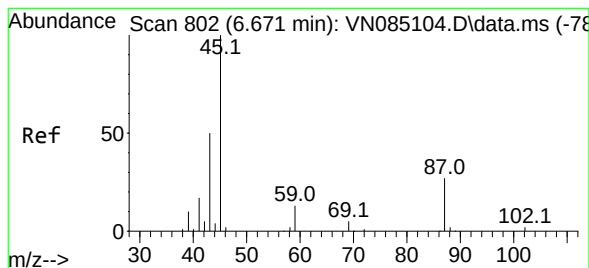
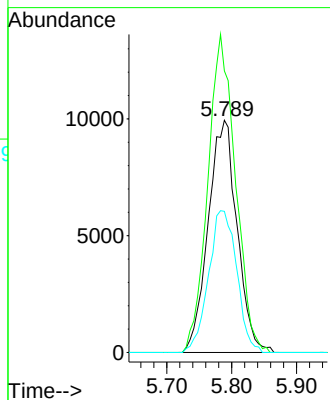
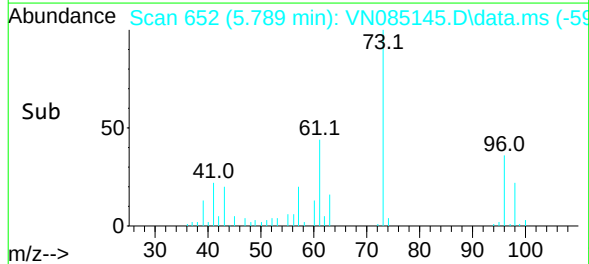
98 60.8 45.8 68.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#22

Diisopropyl ether

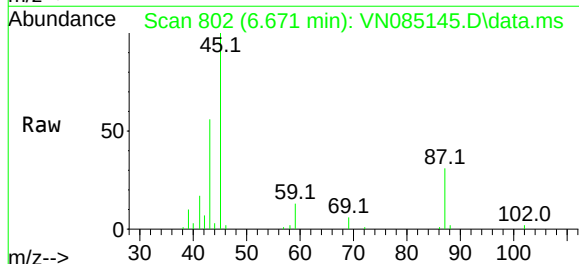
Concen: 19.159 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09



Tgt Ion: 45 Resp: 98604

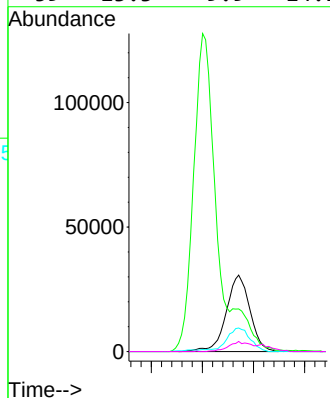
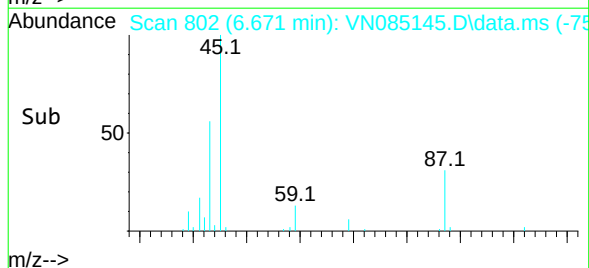
Ion Ratio Lower Upper

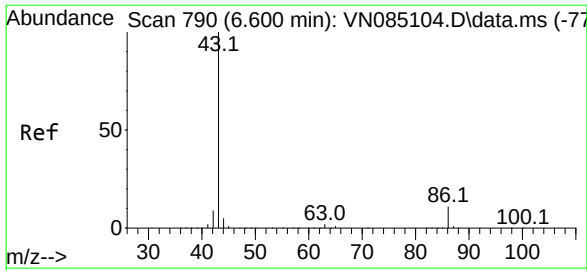
45 100

43 54.1 42.7 64.1

87 30.9 22.6 34.0

59 13.3 9.9 14.9





#23

Vinyl Acetate

Concen: 102.144 ug/l

RT: 6.600 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 362666

Ion Ratio Lower Upper

43 100

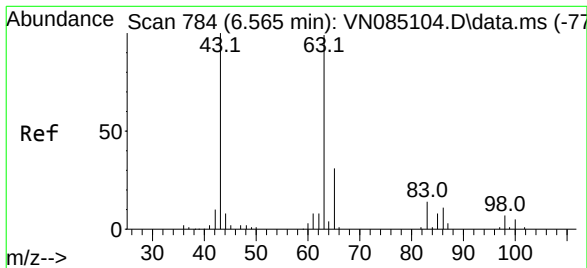
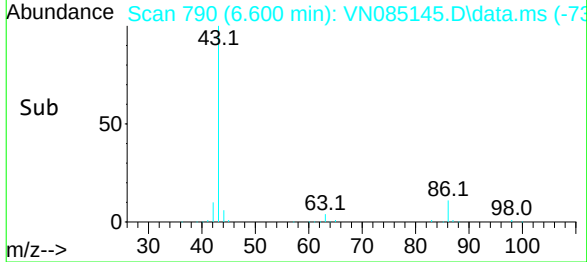
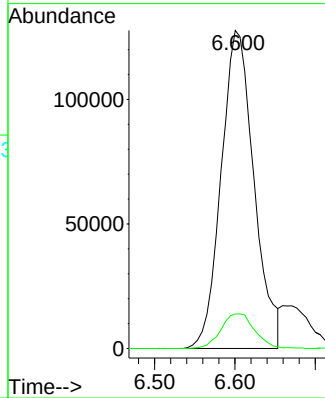
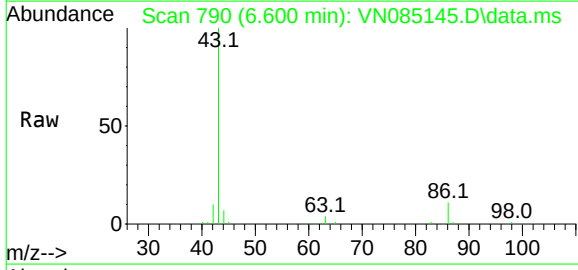
86 10.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#24

1,1-Dichloroethane

Concen: 18.746 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.012 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

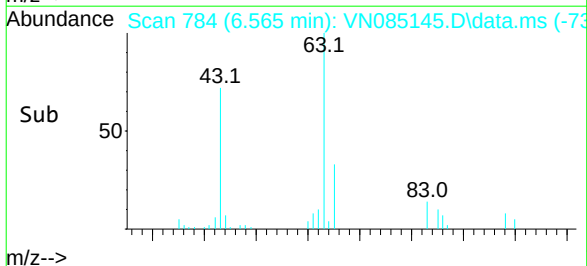
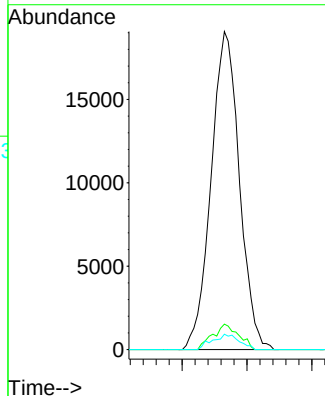
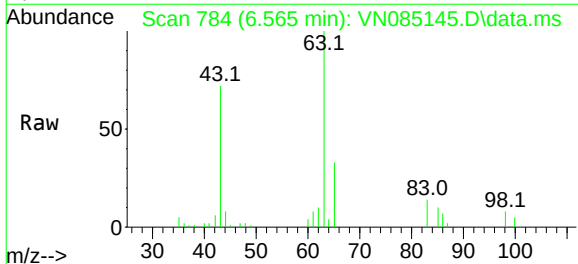
Tgt Ion: 63 Resp: 57735

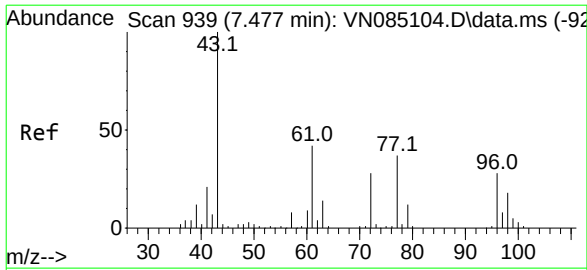
Ion Ratio Lower Upper

63 100

98 8.0 3.3 9.8

100 4.8 2.2 6.6





#25

2-Butanone

Concen: 116.364 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 112796

Ion Ratio Lower Upper

43 100

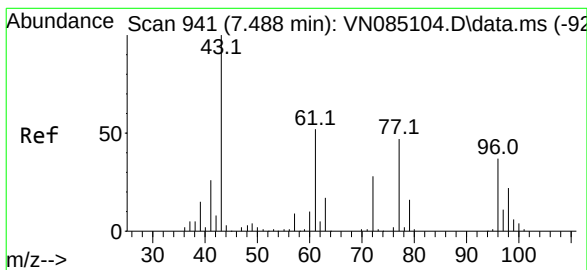
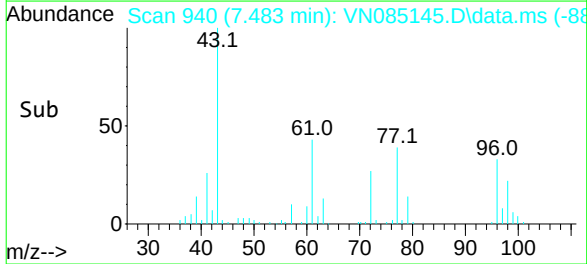
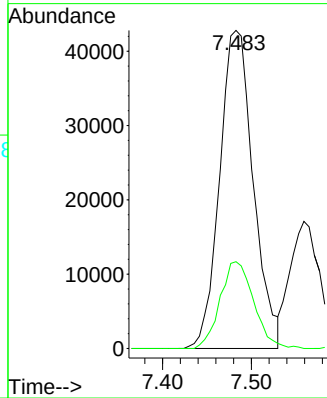
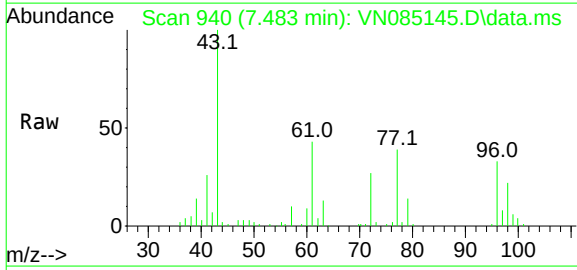
72 27.3 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#26

2,2-Dichloropropane

Concen: 18.386 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085145.D

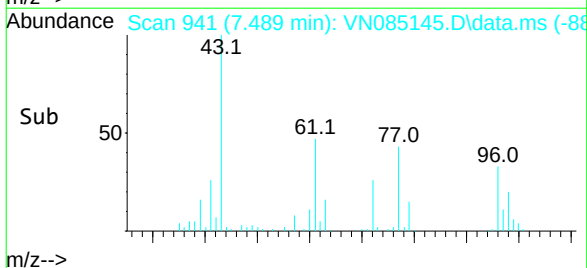
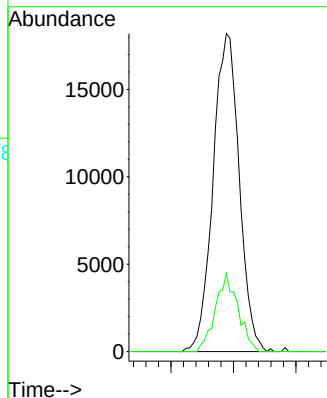
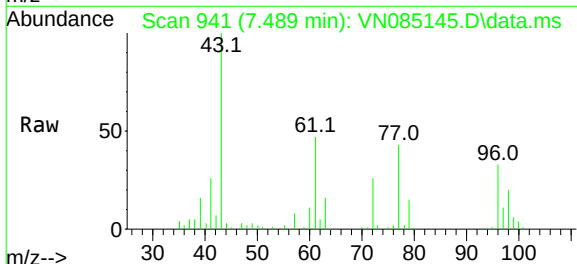
Acq: 09 Dec 2024 12:09

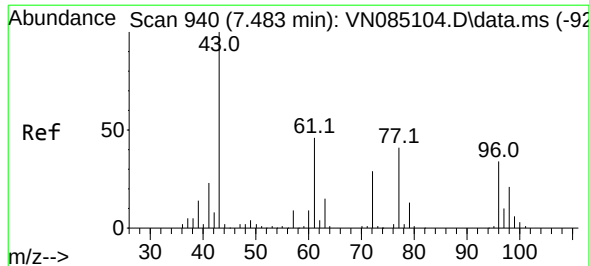
Tgt Ion: 77 Resp: 52876

Ion Ratio Lower Upper

77 100

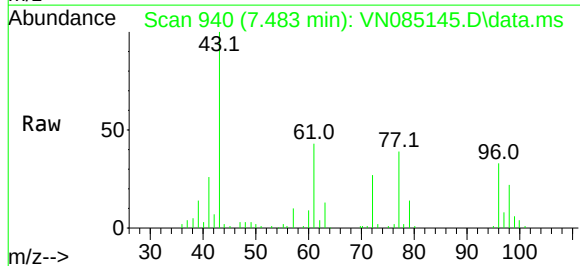
97 21.2 10.9 32.7





#27
cis-1,2-Dichloroethene
Concen: 19.514 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

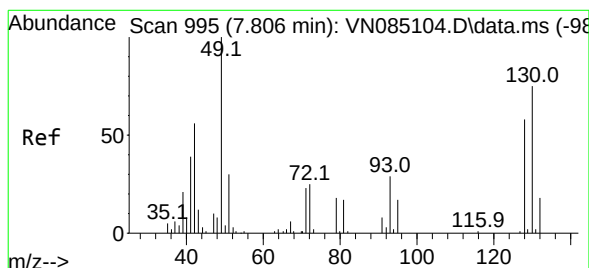
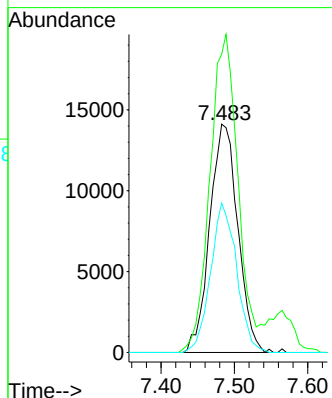
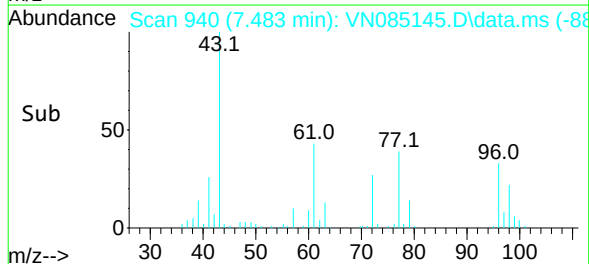
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 96 Resp: 37551
Ion Ratio Lower Upper
96 100
61 141.2 0.0 291.6
98 60.8 0.0 129.8

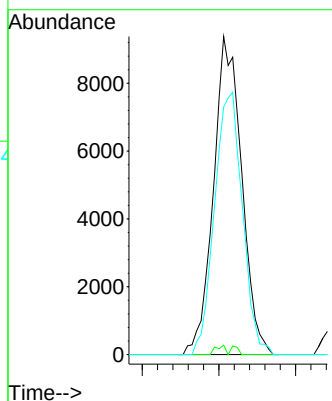
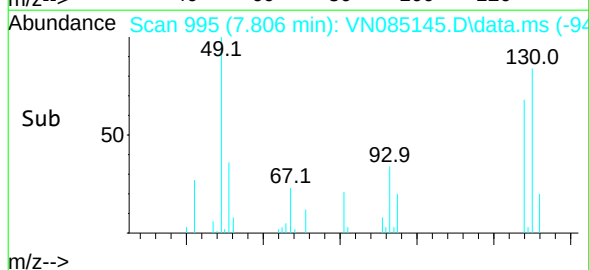
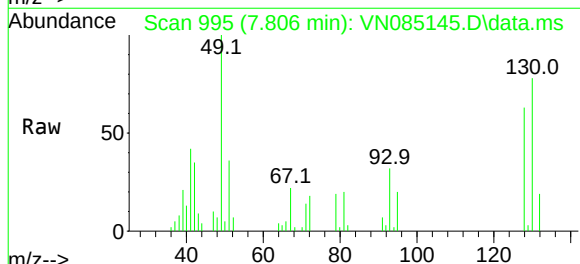
Manual Integrations
APPROVED

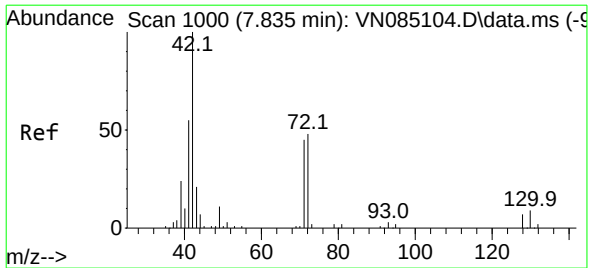
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#28
Bromochloromethane
Concen: 20.617 ug/l
RT: 7.806 min Scan# 995
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 49 Resp: 23969
Ion Ratio Lower Upper
49 100
129 1.0 0.0 4.0
130 0.0 60.6 90.8#





#29

Tetrahydrofuran

Concen: 118.337 ug/l

RT: 7.836 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 42 Resp: 71336

Ion Ratio Lower Upper

42 100

72 44.7 37.0 55.4

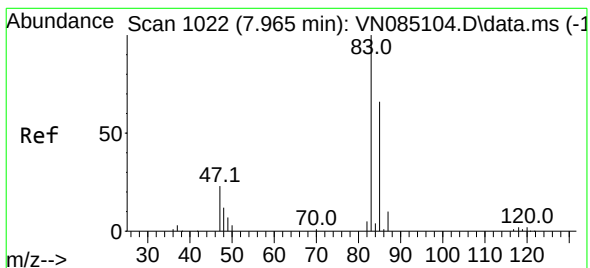
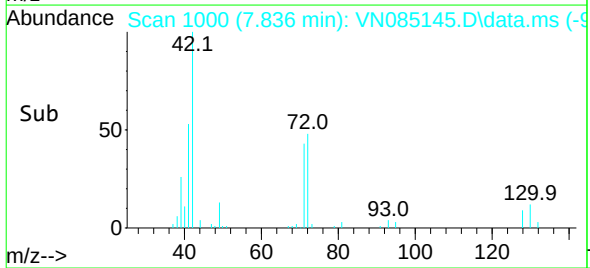
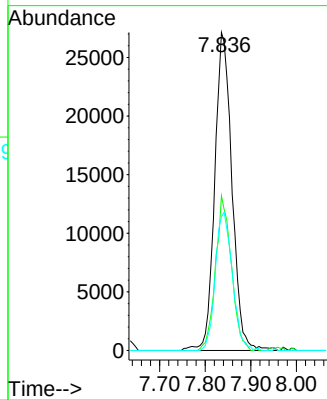
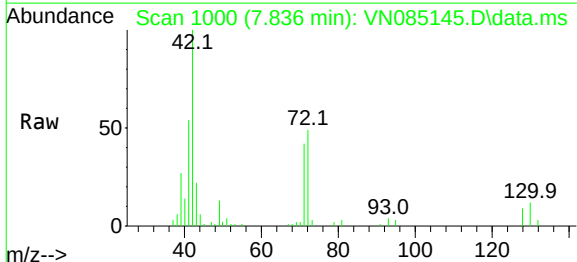
71 42.8 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#30

Chloroform

Concen: 19.513 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085145.D

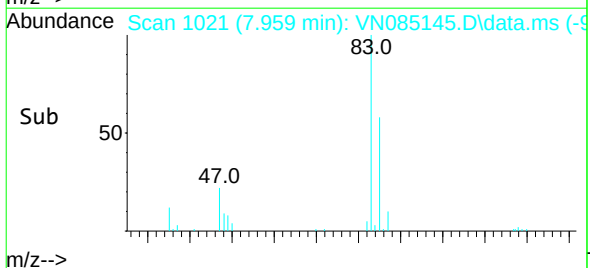
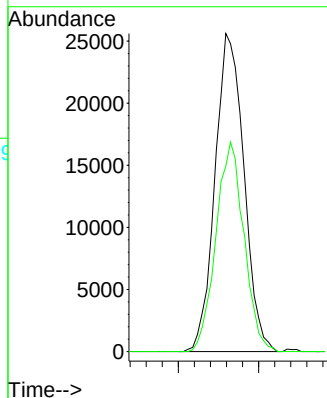
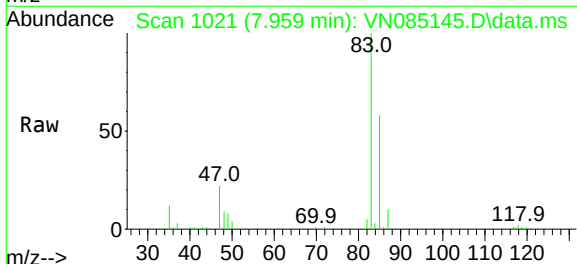
Acq: 09 Dec 2024 12:09

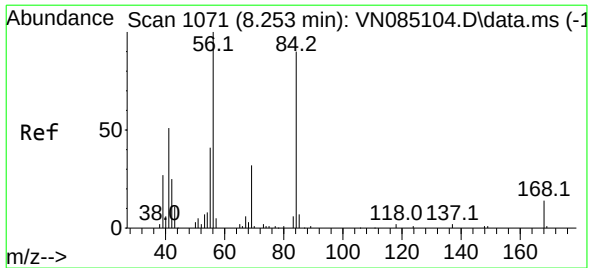
Tgt Ion: 83 Resp: 63927

Ion Ratio Lower Upper

83 100

85 58.3 52.6 78.8





#31

Cyclohexane

Concen: 17.980 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 56 Resp: 48755

Ion Ratio Lower Upper

56 100

69 37.7 24.6 36.8

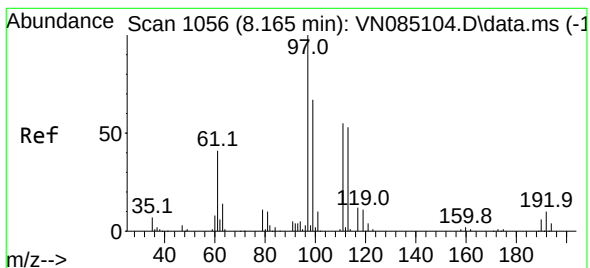
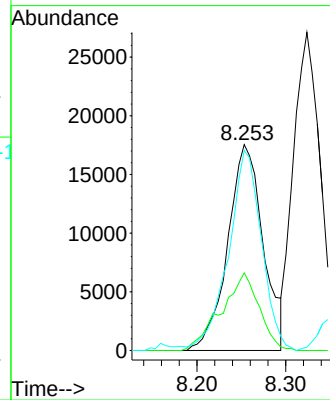
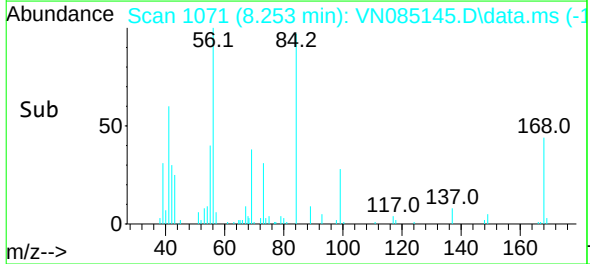
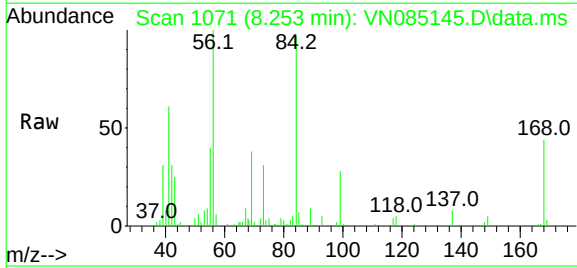
84 95.1 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#32

1,1,1-Trichloroethane

Concen: 19.337 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

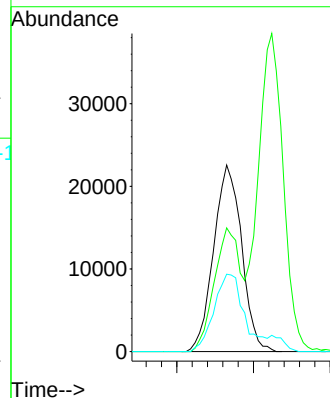
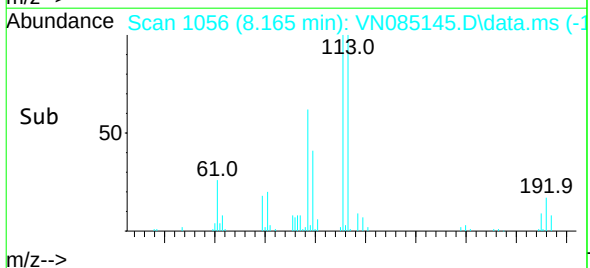
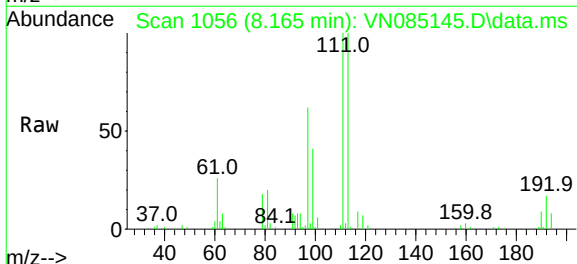
Tgt Ion: 97 Resp: 57246

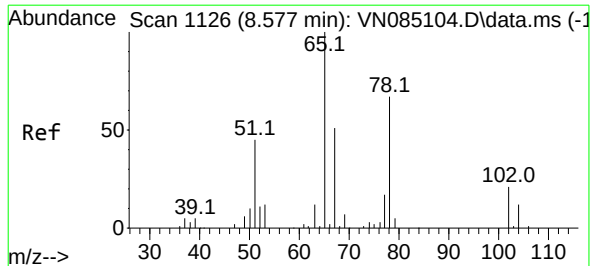
Ion Ratio Lower Upper

97 100

99 62.4 51.0 76.4

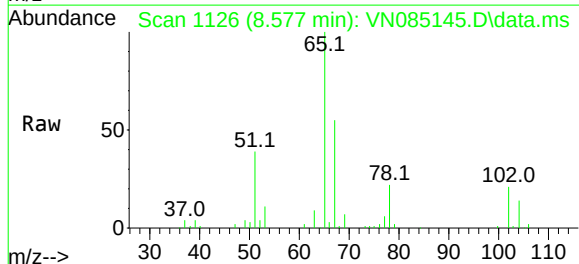
61 45.1 36.2 54.2





#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

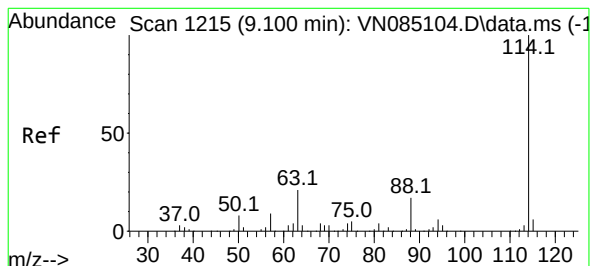
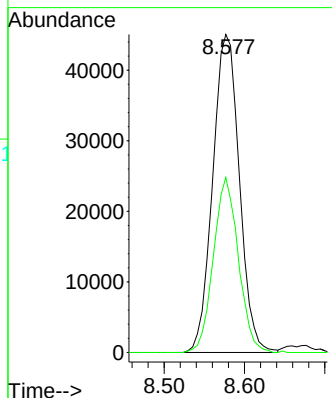
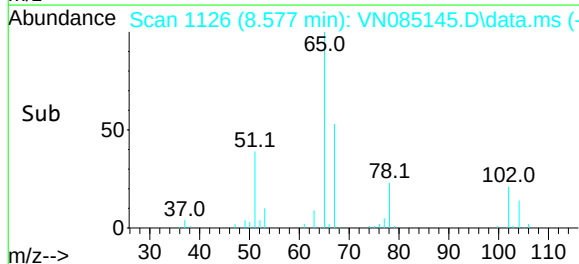
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 65 Resp: 103903
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0

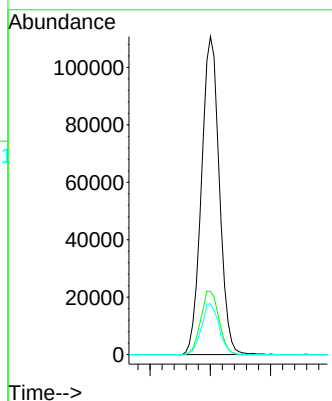
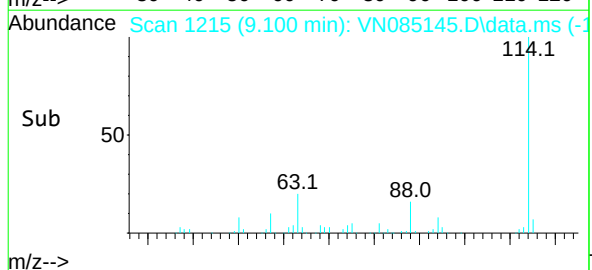
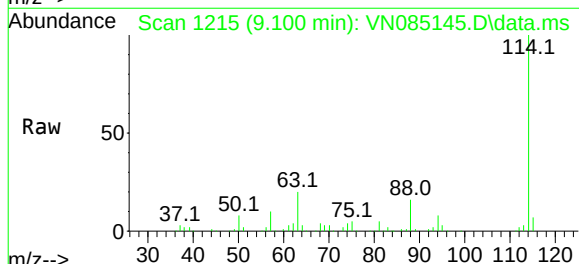
Manual Integrations
APPROVED

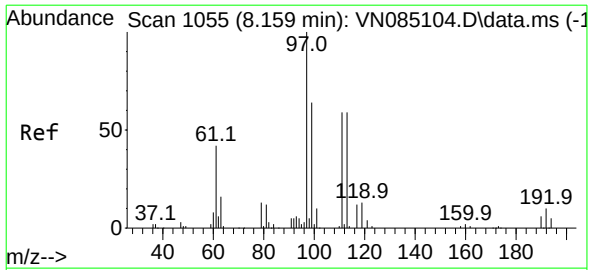
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:114 Resp: 227734
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 16.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.889 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:113 Resp: 82760

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

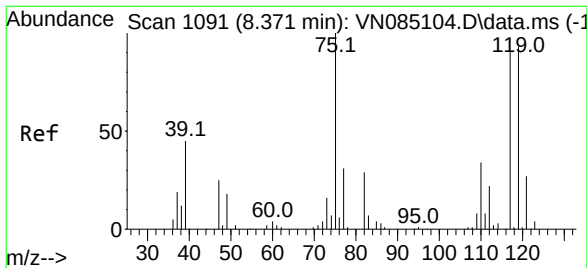
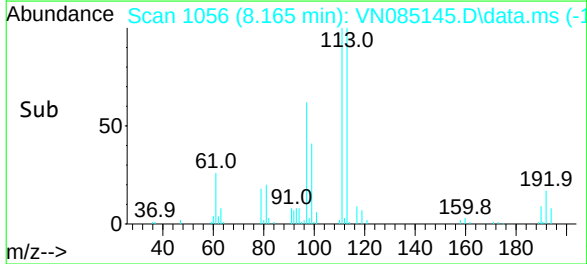
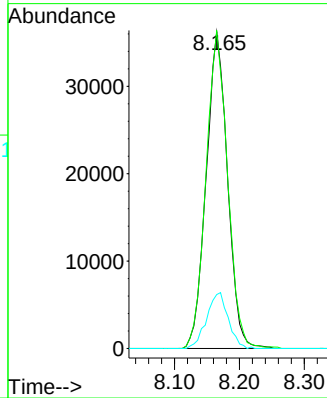
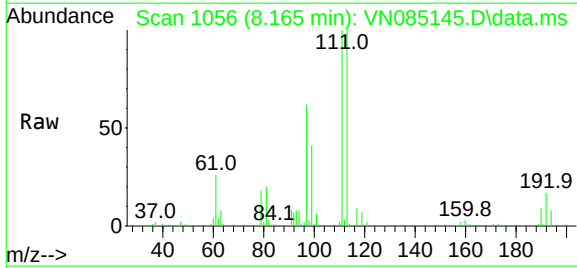
192 17.8 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#36

1,1-Dichloropropene

Concen: 19.540 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

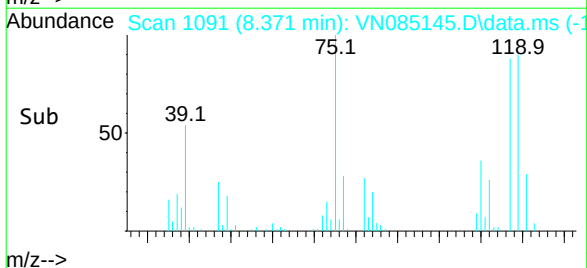
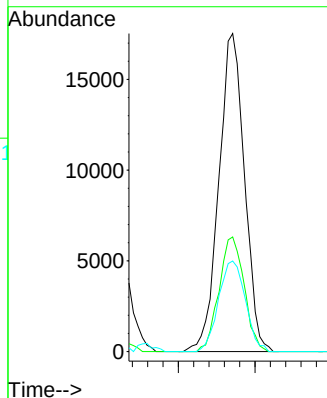
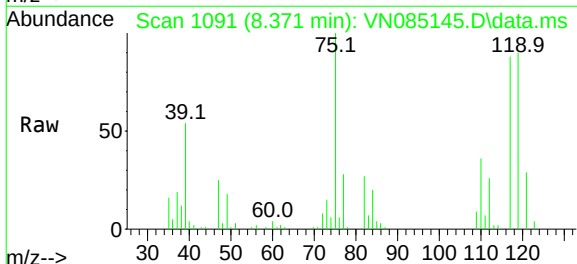
Tgt Ion: 75 Resp: 40646

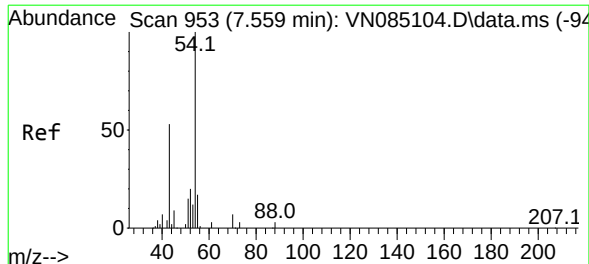
Ion Ratio Lower Upper

75 100

110 35.3 17.2 51.6

77 29.8 24.2 36.4





#37

Ethyl Acetate

Concen: 22.530 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 42607

Ion Ratio Lower Upper

43 100

61 13.3 11.7 17.5

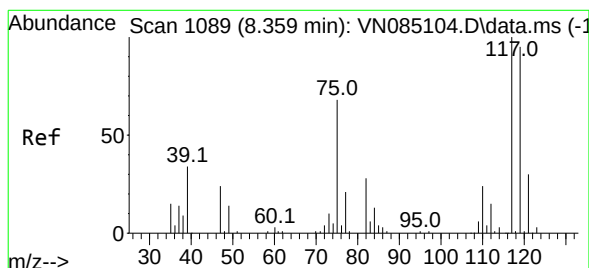
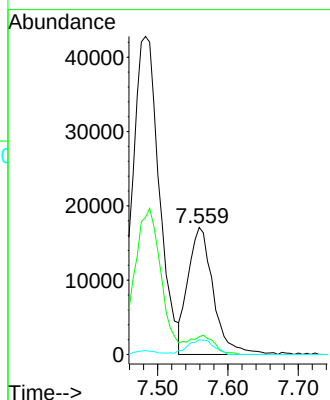
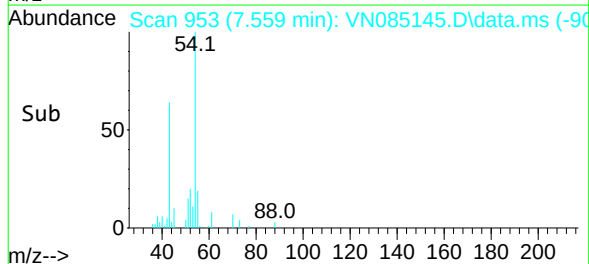
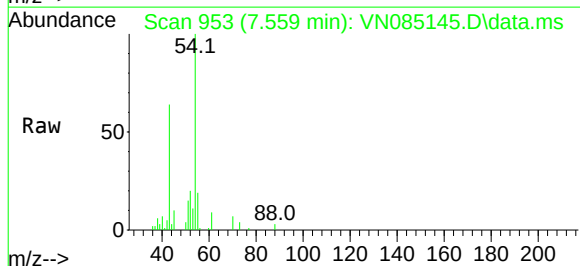
70 12.2 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#38

Carbon Tetrachloride

Concen: 20.975 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

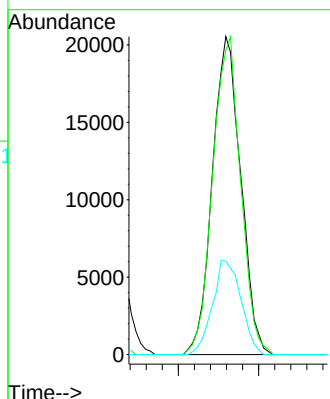
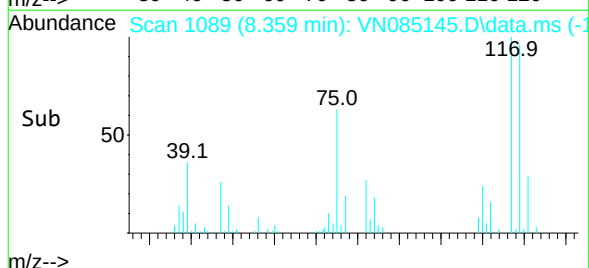
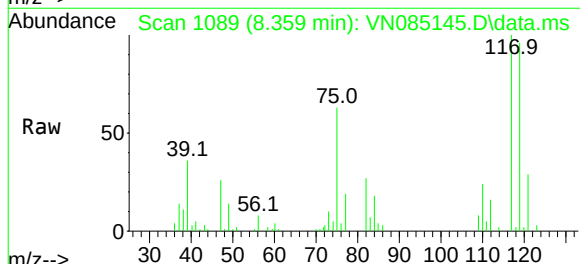
Tgt Ion:117 Resp: 50365

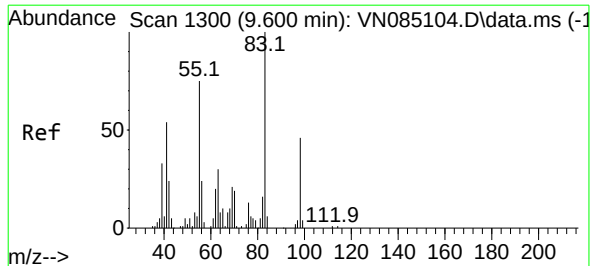
Ion Ratio Lower Upper

117 100

119 95.6 78.6 117.8

121 29.4 24.2 36.2





#39

Methylcyclohexane

Concen: 18.501 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 83 Resp: 39992

Ion Ratio Lower Upper

83 100

55 87.3 61.8 92.6

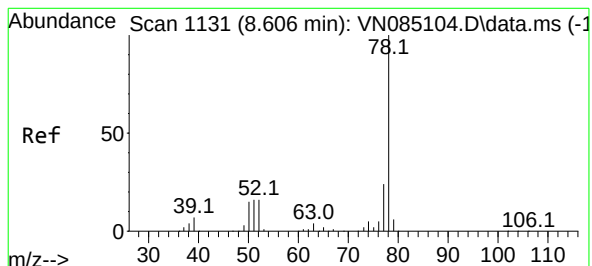
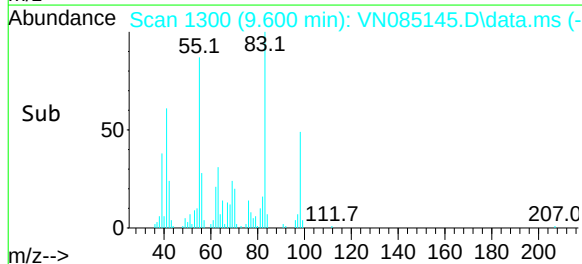
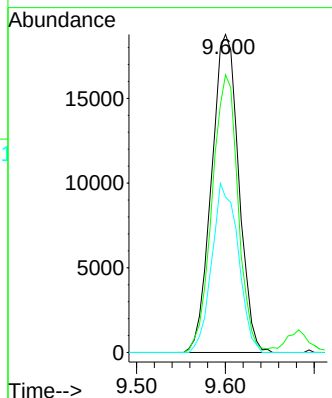
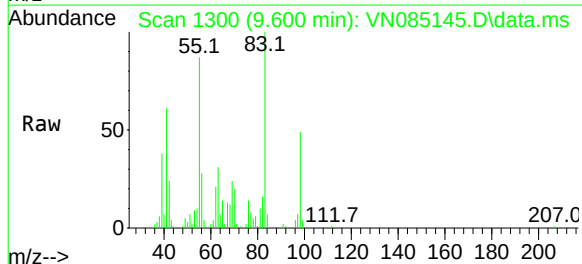
98 48.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#40

Benzene

Concen: 20.048 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085145.D

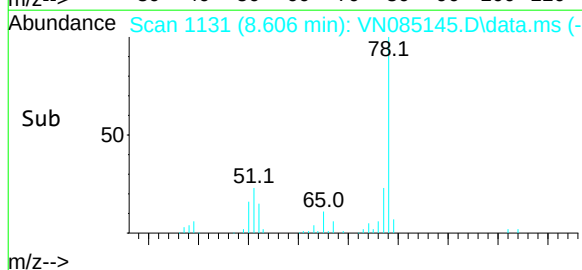
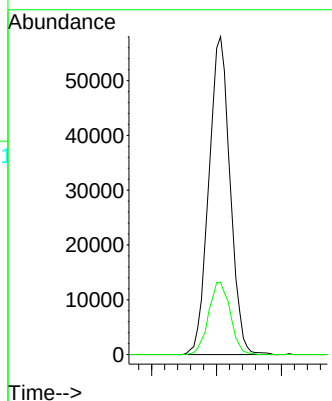
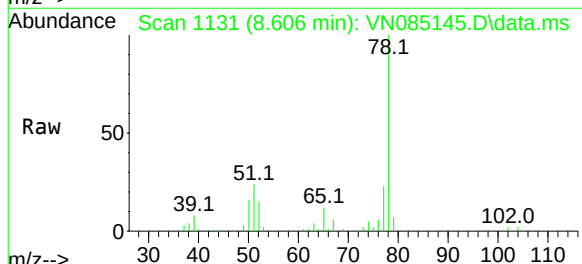
Acq: 09 Dec 2024 12:09

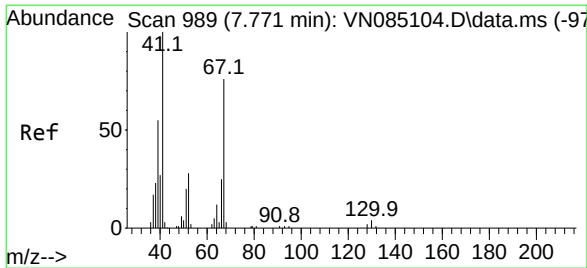
Tgt Ion: 78 Resp: 131898

Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7





#41

Methacrylonitrile

Concen: 23.385 ug/l

RT: 7.777 min Scan# 99

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 41 Resp: 24485

Ion Ratio Lower Upper

41 100

39 54.5 42.6 63.8

67 72.3 59.9 89.9

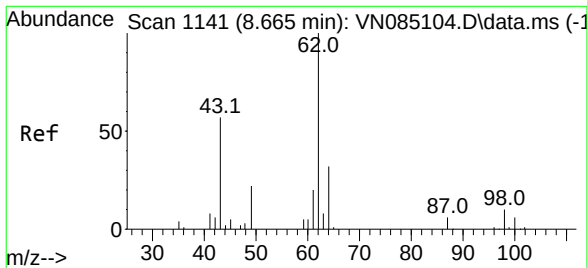
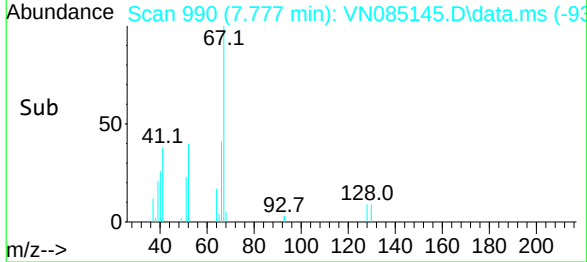
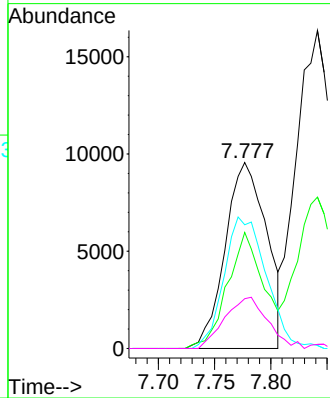
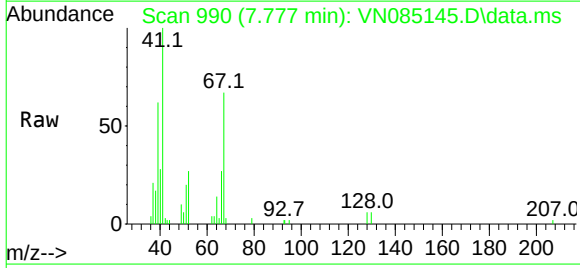
52 28.5 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#42

1,2-Dichloroethane

Concen: 20.649 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN085145.D

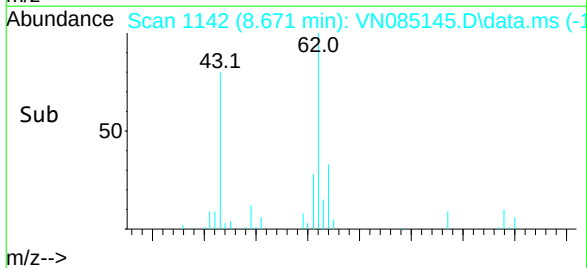
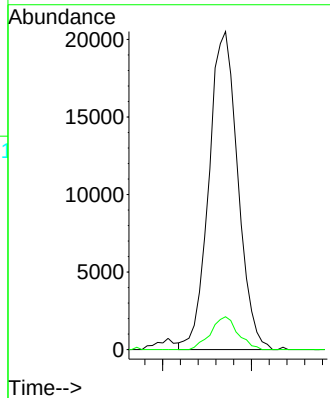
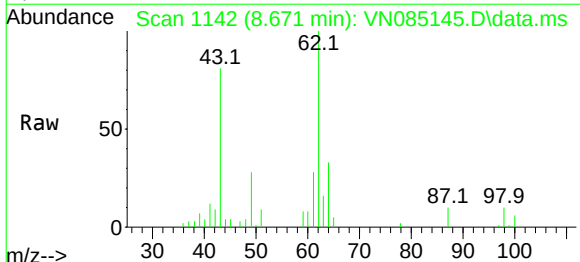
Acq: 09 Dec 2024 12:09

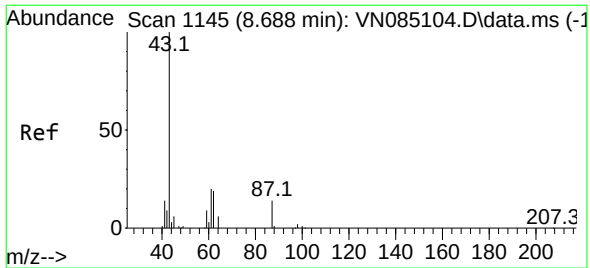
Tgt Ion: 62 Resp: 46478

Ion Ratio Lower Upper

62 100

98 9.7 0.0 18.2





#43

Isopropyl Acetate

Concen: 18.444 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 72452

Ion Ratio Lower Upper

43 100

61 27.8 20.6 30.8

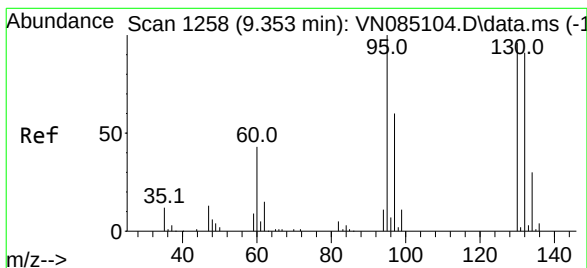
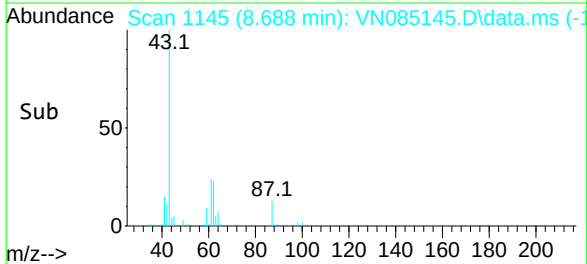
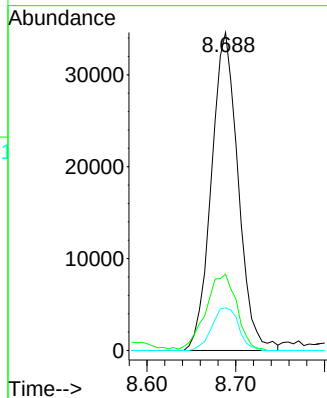
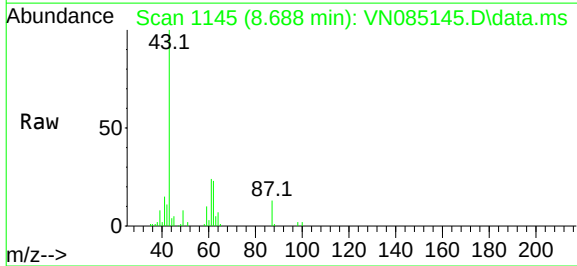
87 13.5 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#44

Trichloroethene

Concen: 21.047 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085145.D

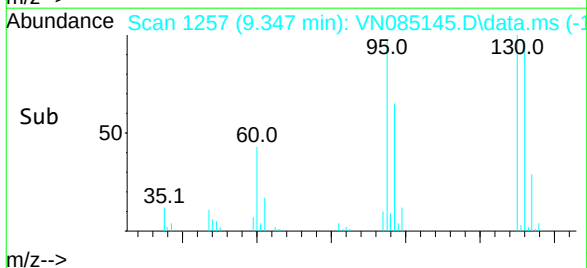
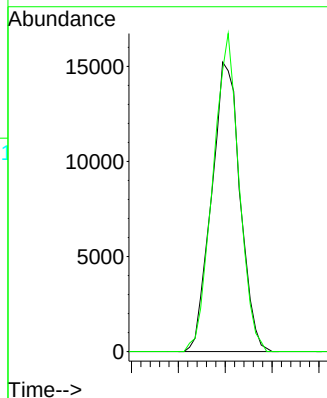
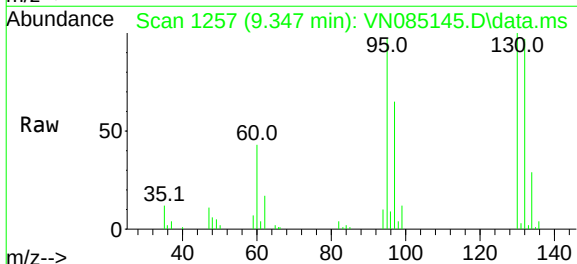
Acq: 09 Dec 2024 12:09

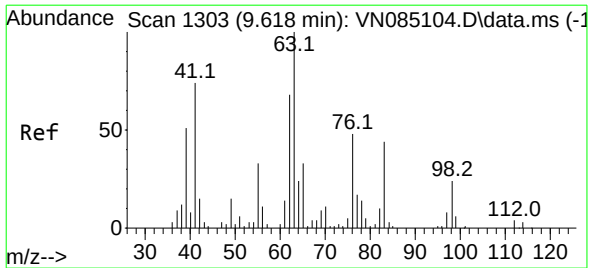
Tgt Ion:130 Resp: 32181

Ion Ratio Lower Upper

130 100

95 97.2 0.0 213.4





#45

1,2-Dichloropropane

Concen: 20.380 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 63 Resp: 33025

Ion Ratio Lower Upper

63 100

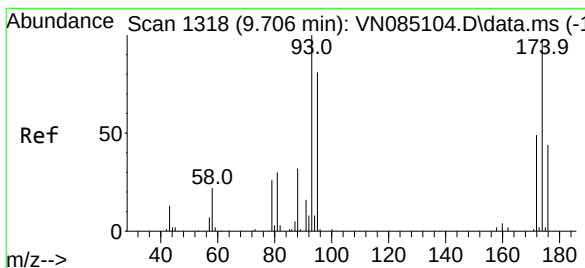
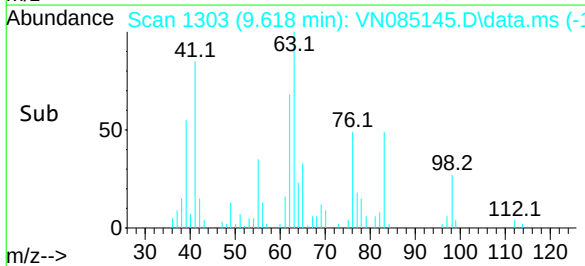
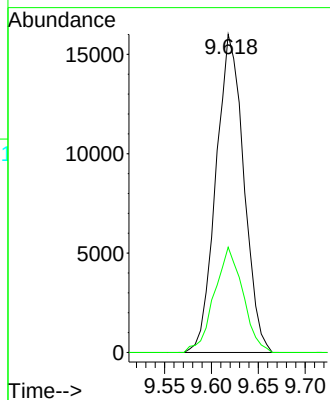
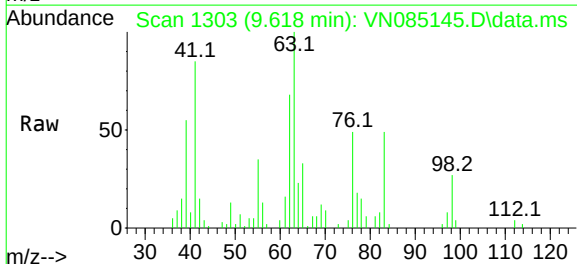
65 33.1 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#46

Dibromomethane

Concen: 21.544 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

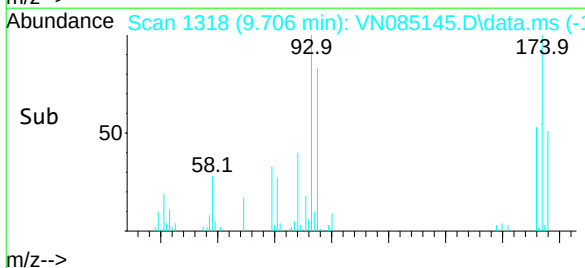
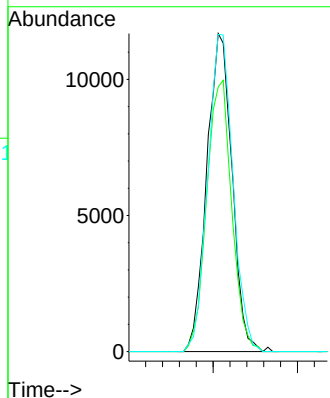
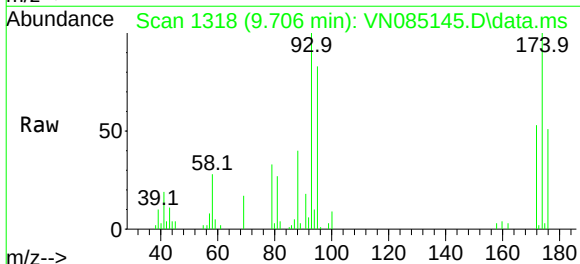
Tgt Ion: 93 Resp: 24259

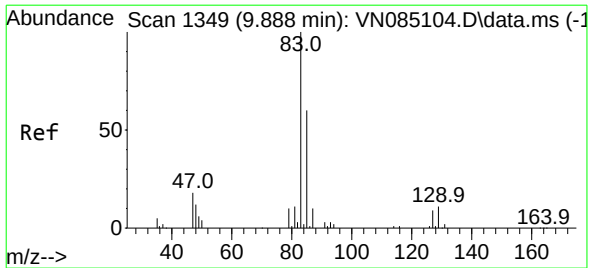
Ion Ratio Lower Upper

93 100

95 84.8 66.2 99.4

174 99.8 74.9 112.3





#47

Bromodichloromethane

Concen: 21.610 ug/l

RT: 9.888 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

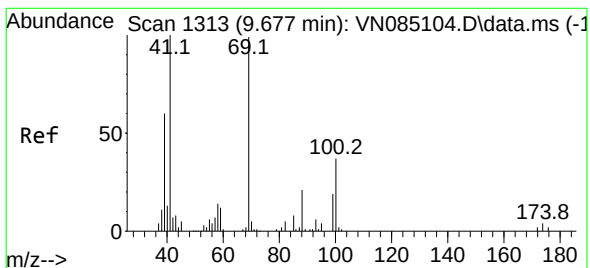
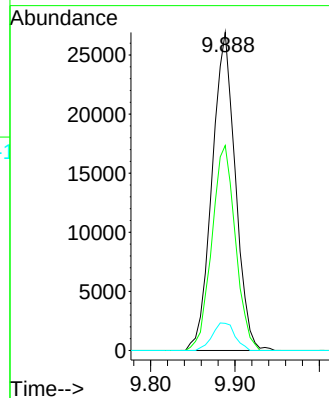
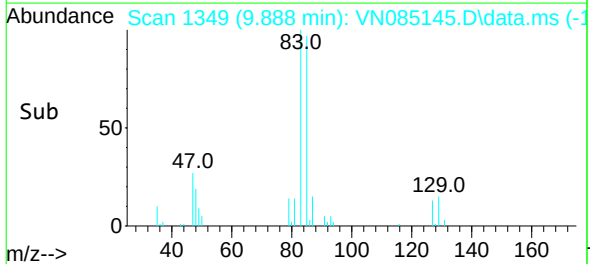
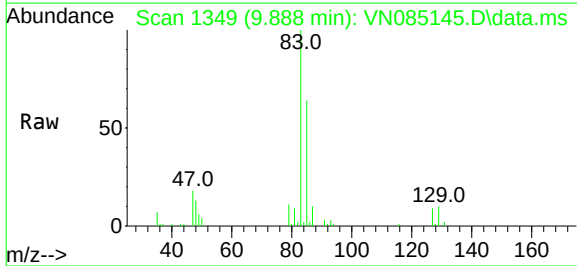
ClientSampleId :

VN1209WBSD01

Tgt Ion:	83	Resp:	51571
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.5	75.7
127	8.5	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#48

Methyl methacrylate

Concen: 22.453 ug/l

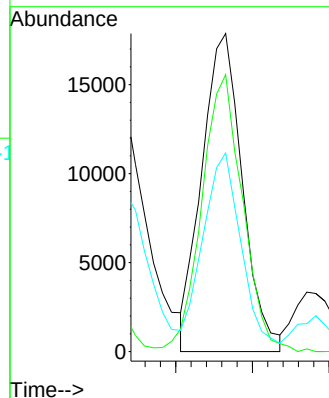
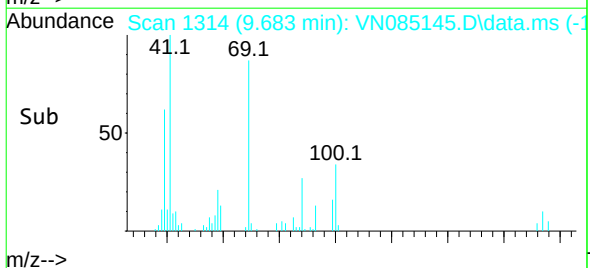
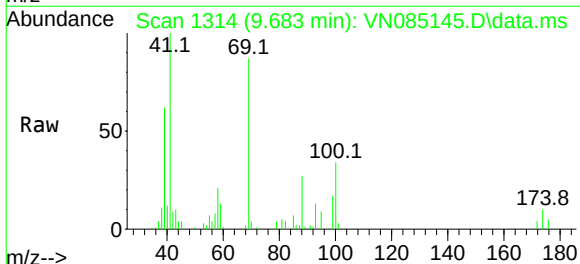
RT: 9.683 min Scan# 1314

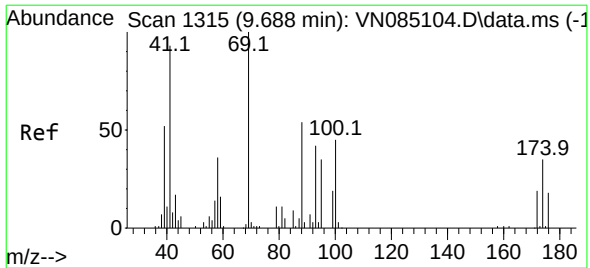
Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:	41	Resp:	32820
Ion	Ratio	Lower	Upper
41	100		
69	87.5	73.2	109.8
39	59.4	46.2	69.4





#49

1,4-Dioxane

Concen: 555.200 ug/l

RT: 9.694 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN085145.D

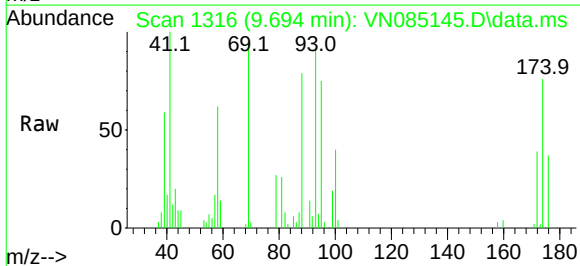
Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01



Tgt Ion: 88 Resp: 14074

Ion Ratio Lower Upper

88 100

43 20.3 16.7 25.1

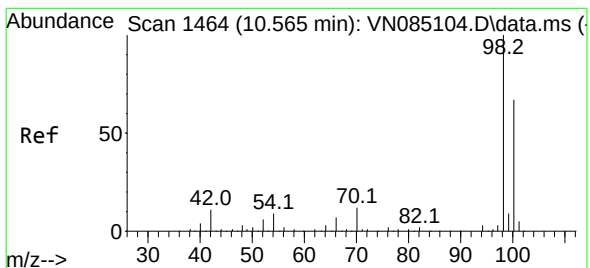
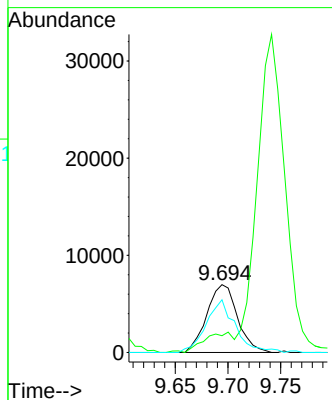
58 74.4 56.5 84.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#50

Toluene-d8

Concen: 50.954 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085145.D

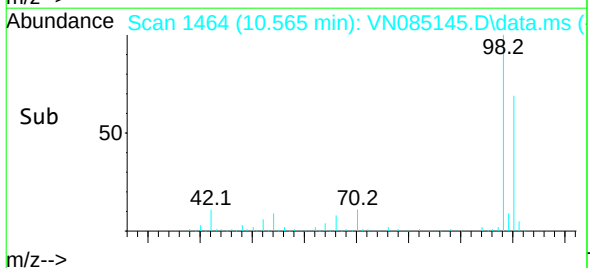
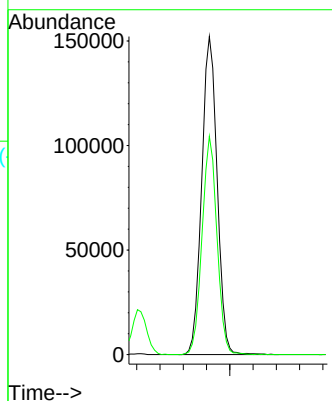
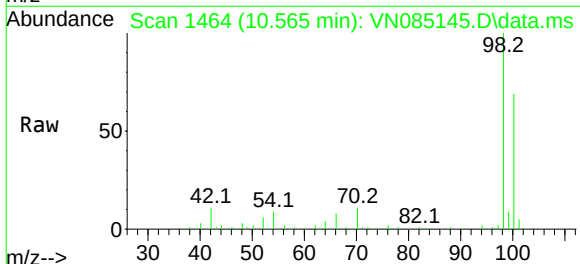
Acq: 09 Dec 2024 12:09

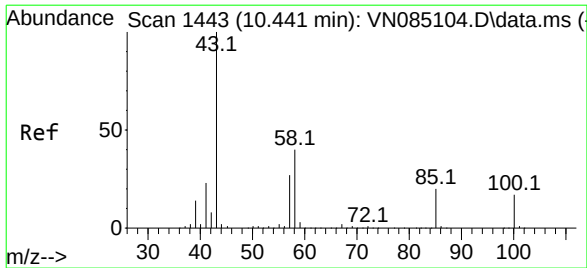
Tgt Ion: 98 Resp: 280439

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7





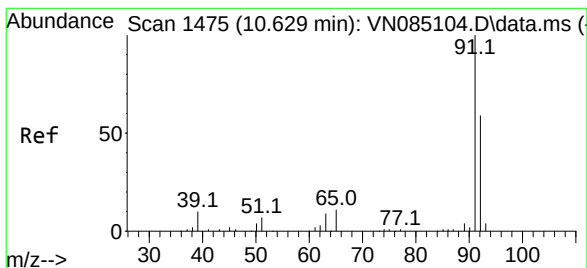
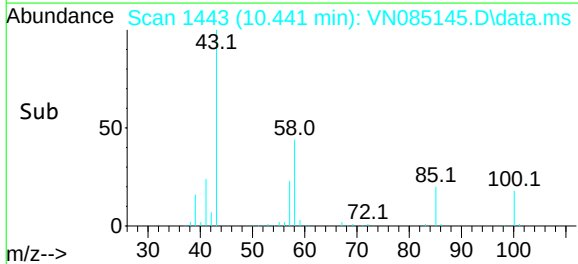
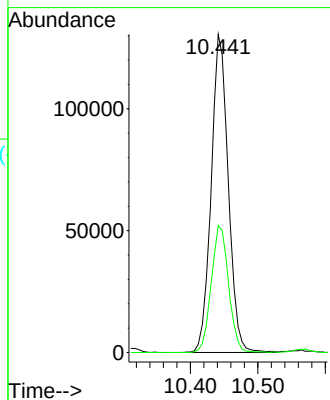
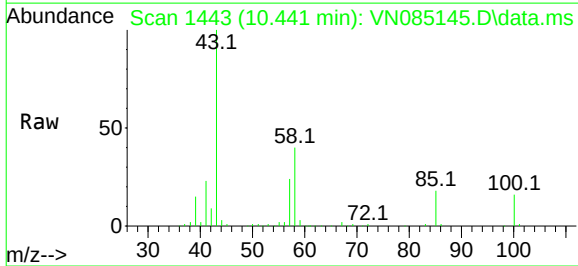
#51
4-Methyl-2-Pentanone
Concen: 127.955 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 43 Resp: 229577
Ion Ratio Lower Upper
43 100
58 40.4 32.1 48.1

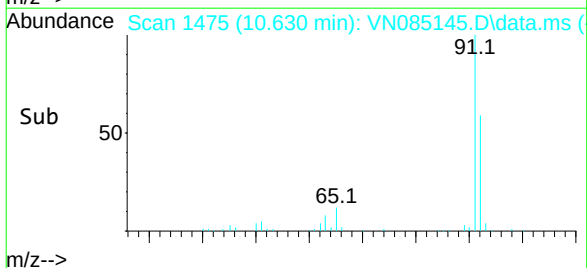
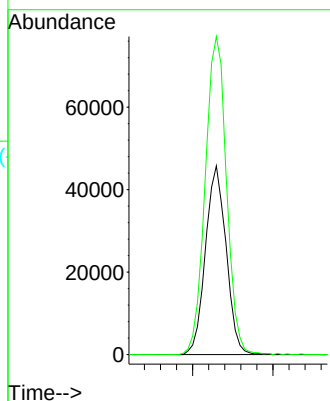
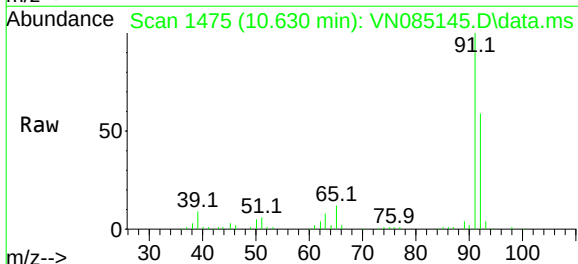
Manual Integrations
APPROVED

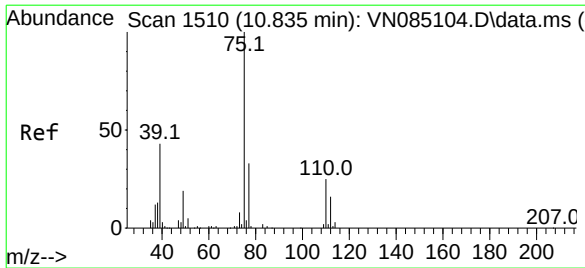
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#52
Toluene
Concen: 21.014 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 92 Resp: 81847
Ion Ratio Lower Upper
92 100
91 173.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.921 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 75 Resp: 50056

Ion Ratio Lower Upper

75 100

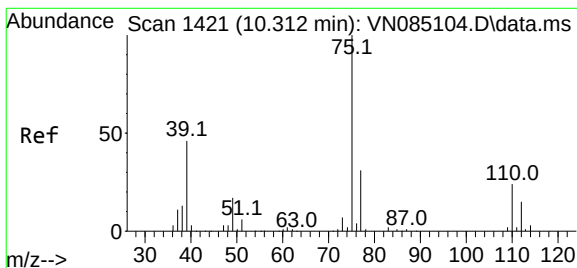
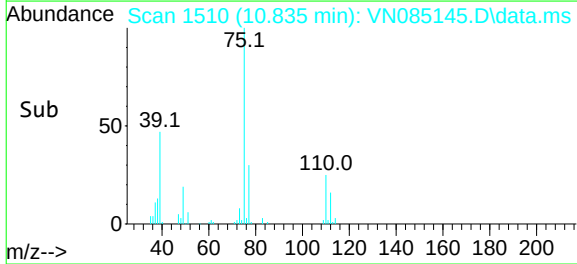
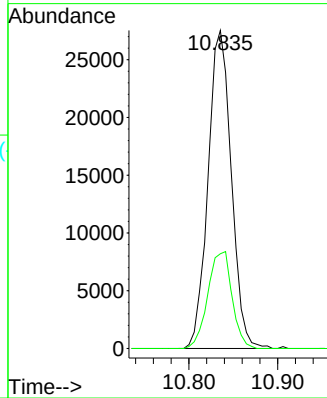
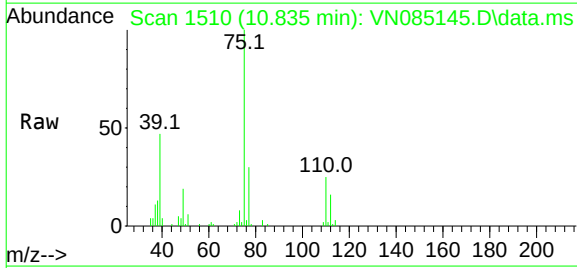
77 29.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#54

cis-1,3-Dichloropropene

Concen: 20.678 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

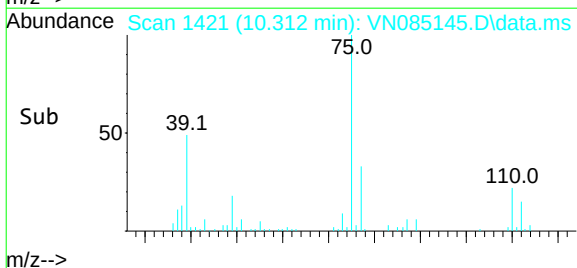
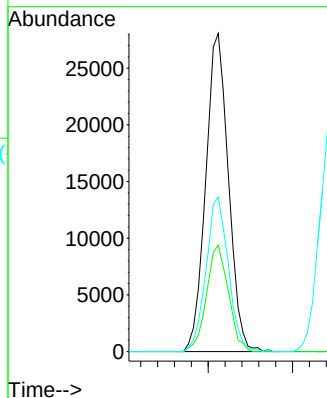
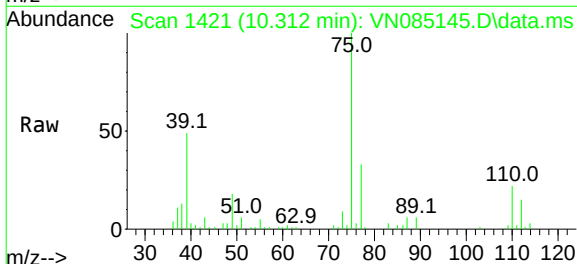
Tgt Ion: 75 Resp: 52486

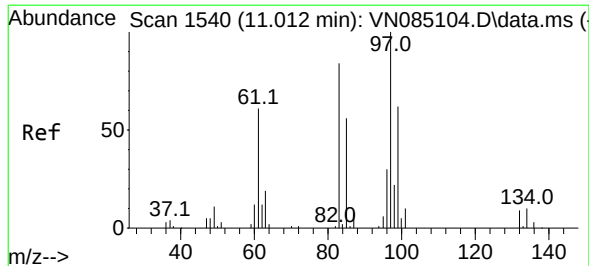
Ion Ratio Lower Upper

75 100

77 33.5 25.0 37.4

39 48.6 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 22.978 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 97 Resp: 33335

Ion Ratio Lower Upper

97 100

83 82.3 67.4 101.2

85 54.5 43.1 64.7

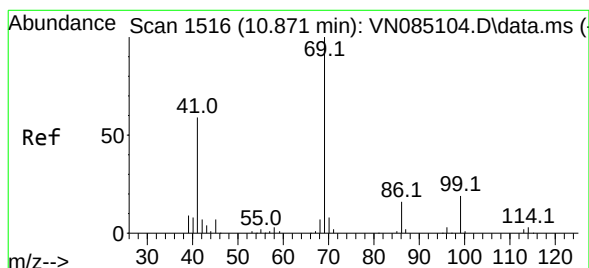
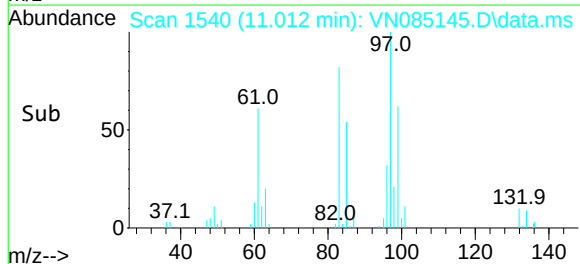
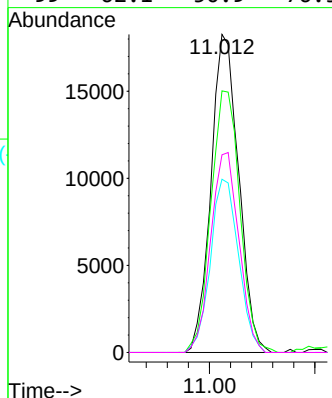
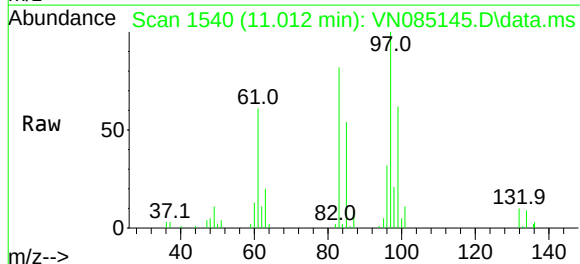
99 62.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#56

Ethyl methacrylate

Concen: 22.755 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

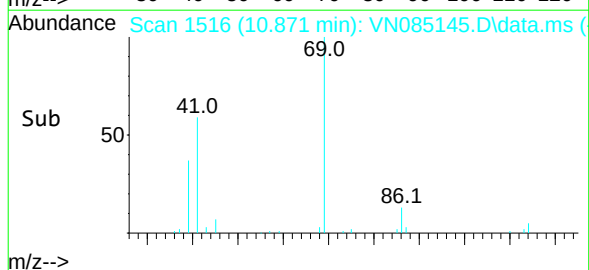
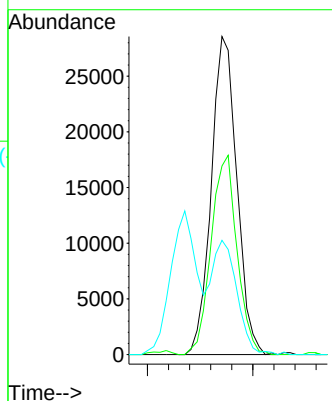
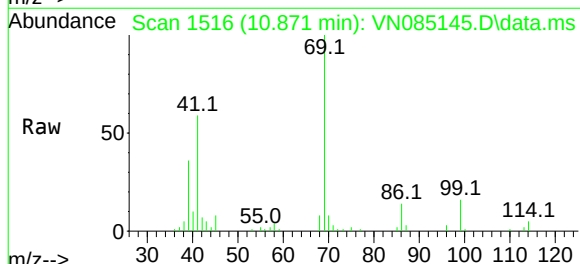
Tgt Ion: 69 Resp: 48238

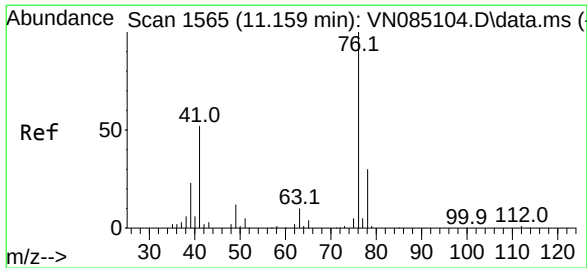
Ion Ratio Lower Upper

69 100

41 63.4 50.0 75.0

39 36.2 27.0 40.6





#57

1,3-Dichloropropane

Concen: 21.568 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 76 Resp: 55071

Ion Ratio Lower Upper

76 100

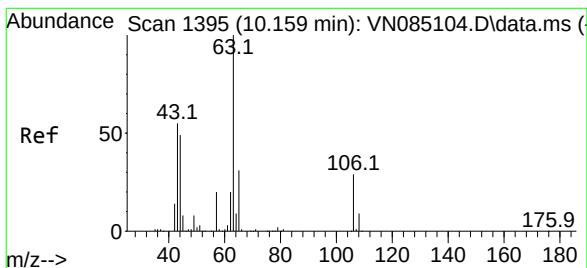
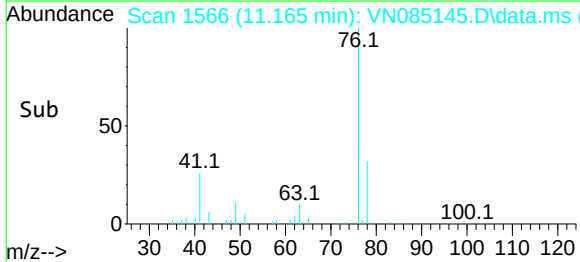
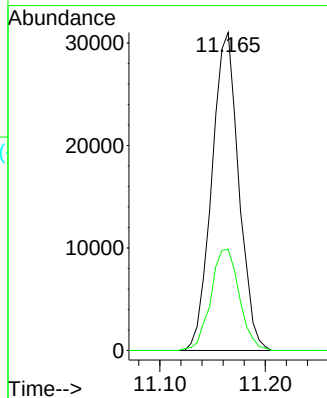
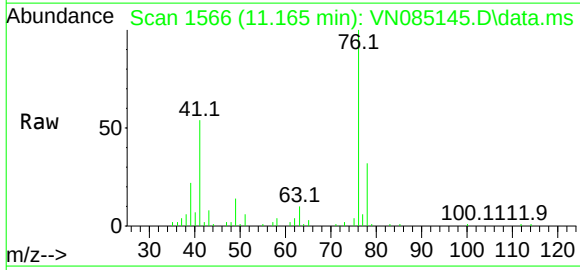
78 33.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#58

2-Chloroethyl Vinyl ether

Concen: 107.042 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085145.D

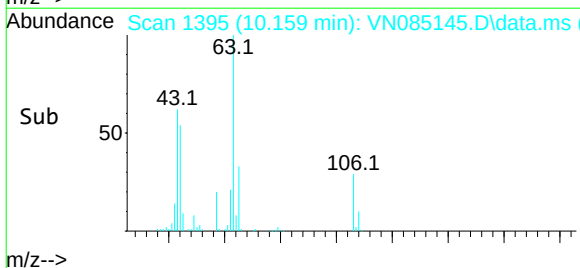
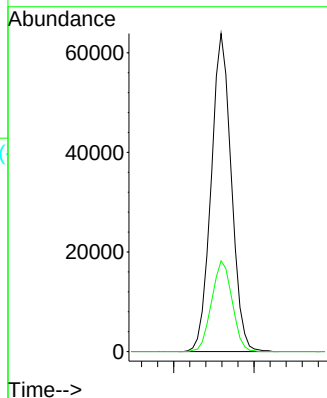
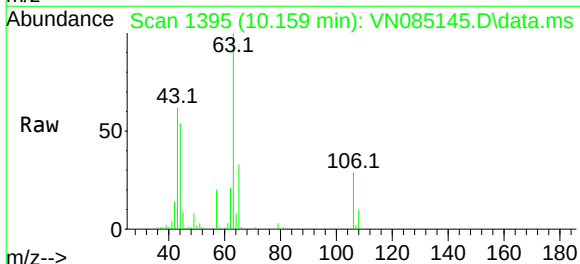
Acq: 09 Dec 2024 12:09

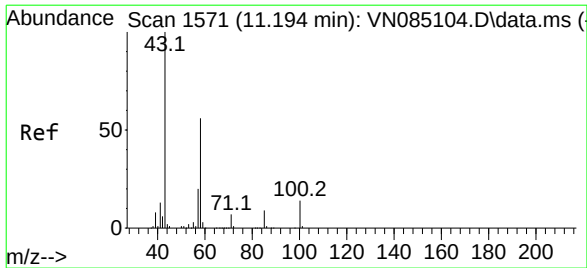
Tgt Ion: 63 Resp: 111311

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





#59

2-Hexanone

Concen: 128.613 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 43 Resp: 172584

Ion Ratio Lower Upper

43 100

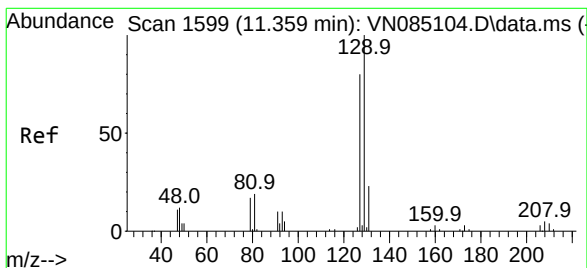
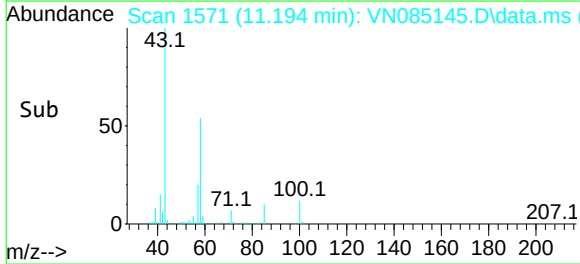
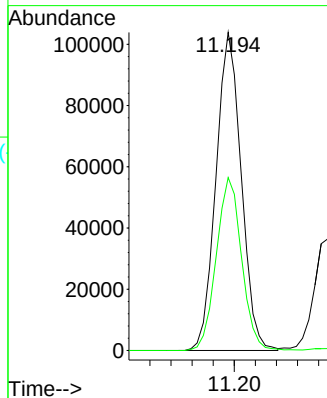
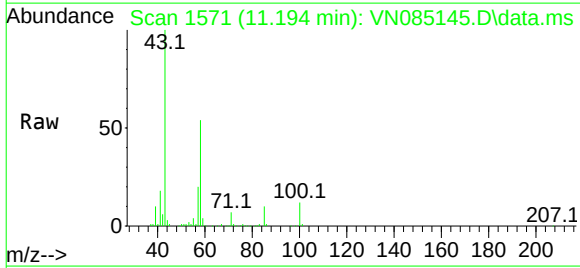
58 54.5 28.3 85.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#60

Dibromochloromethane

Concen: 22.997 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085145.D

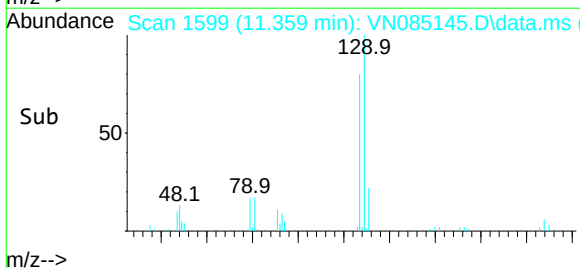
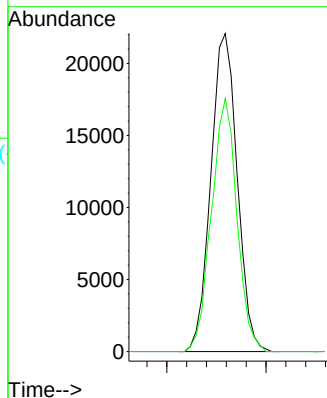
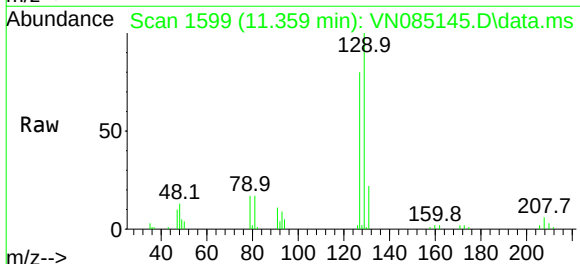
Acq: 09 Dec 2024 12:09

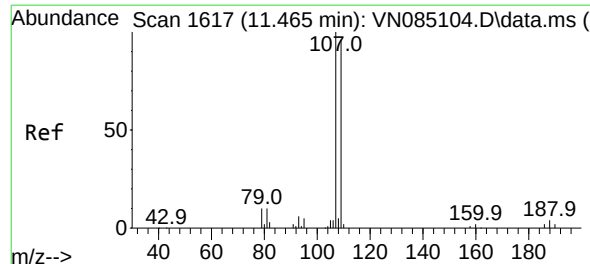
Tgt Ion:129 Resp: 40774

Ion Ratio Lower Upper

129 100

127 76.7 39.2 117.6





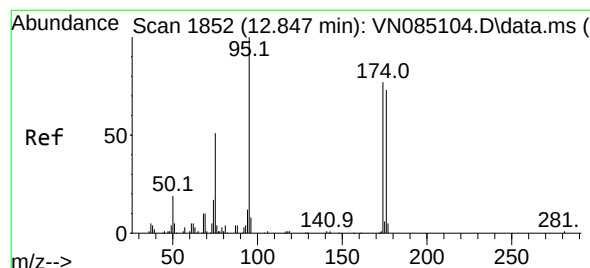
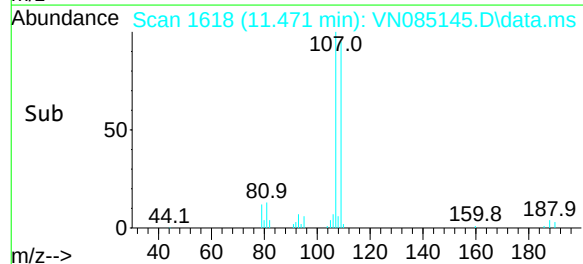
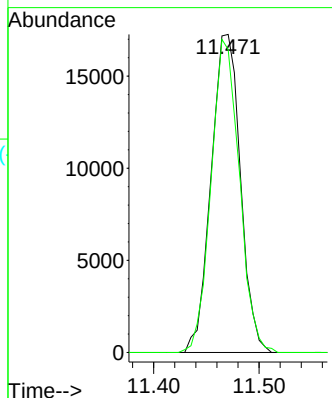
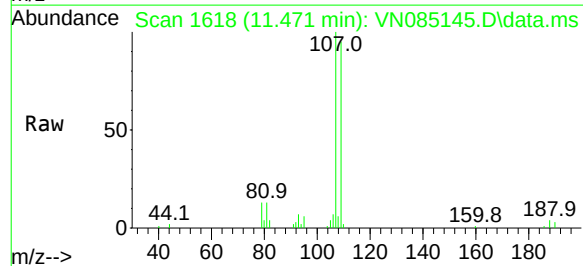
#61
1,2-Dibromoethane
Concen: 22.146 ug/l
RT: 11.471 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion: 107 Resp: 33251
Ion Ratio Lower Upper
107 100
109 95.3 76.1 114.1

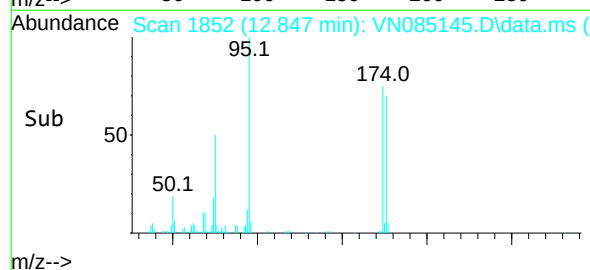
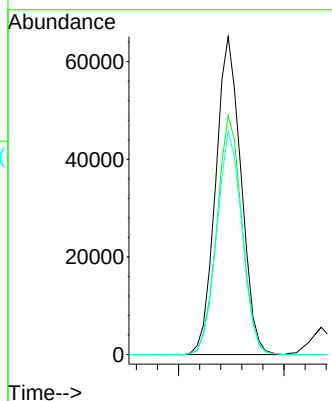
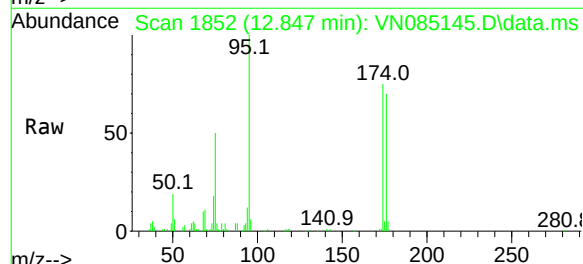
Manual Integrations
APPROVED

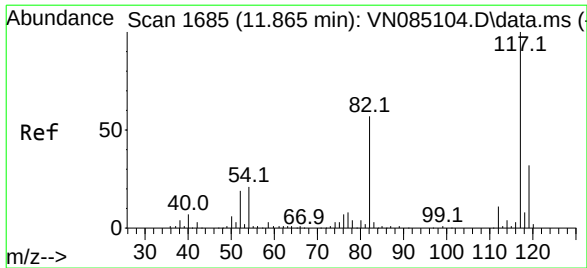
Reviewed By : John Carlone 12/10/2024
Supervised By : Mahesh Dadoda 12/10/2024



#62
4-Bromofluorobenzene
Concen: 52.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 95 Resp: 108911
Ion Ratio Lower Upper
95 100
174 74.4 0.0 146.6
176 69.8 0.0 141.8





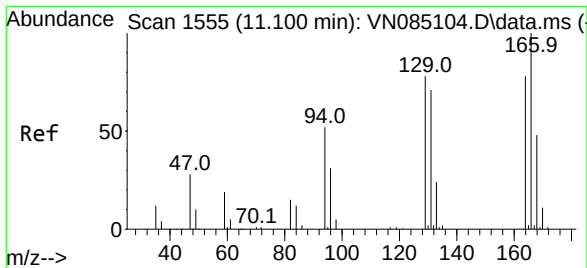
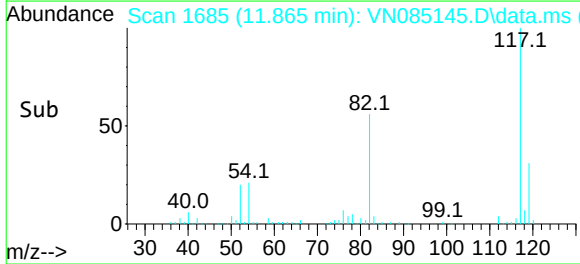
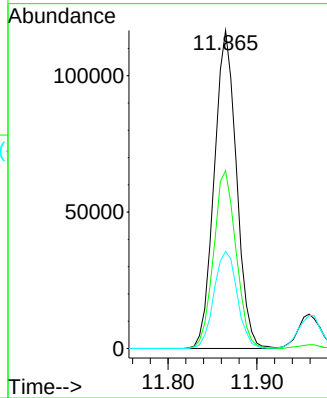
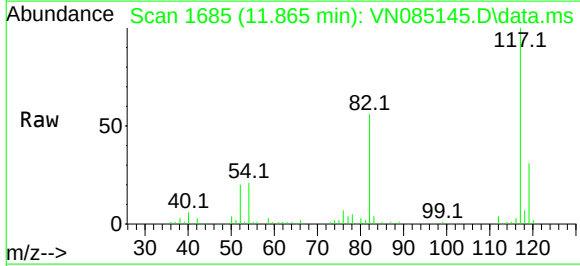
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:117 Resp: 203151
Ion Ratio Lower Upper
117 100
82 55.9 46.0 69.0
119 30.5 25.6 38.4

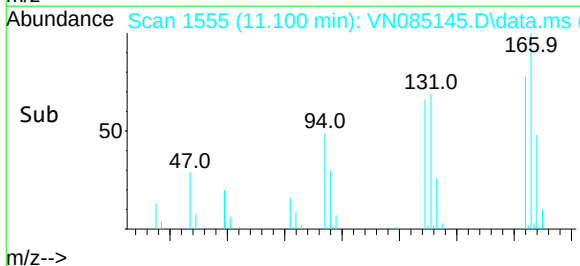
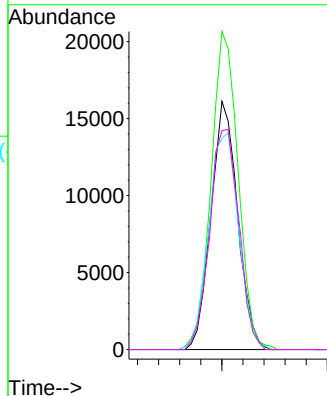
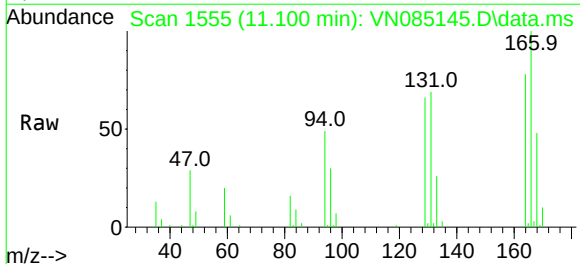
Manual Integrations
APPROVED

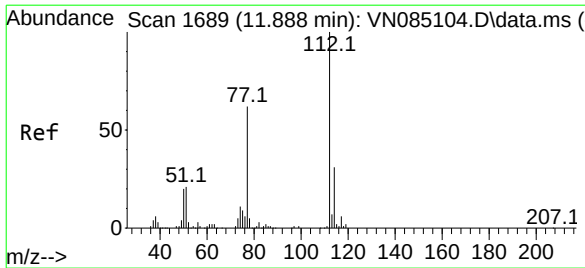
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#64
Tetrachloroethene
Concen: 20.683 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:164 Resp: 28313
Ion Ratio Lower Upper
164 100
166 128.1 100.6 151.0
129 85.1 77.7 116.5
131 88.2 77.2 115.8





#65

Chlorobenzene

Concen: 19.714 ug/l

RT: 11.894 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:112 Resp: 90827

Ion Ratio Lower Upper

112 100

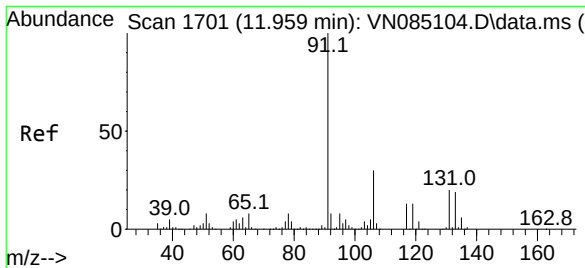
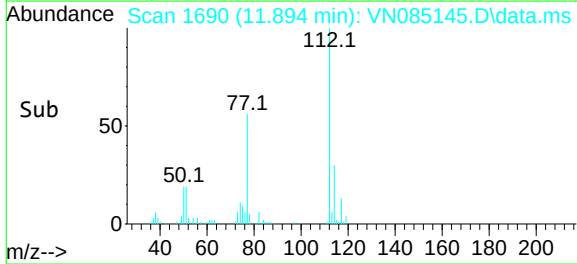
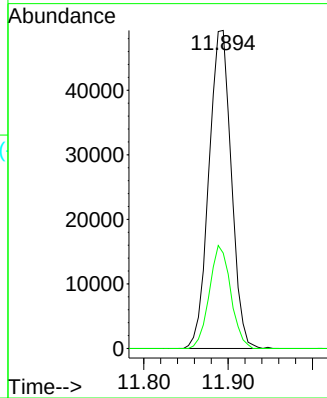
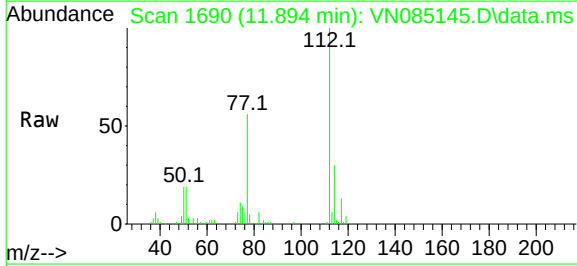
114 30.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.920 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

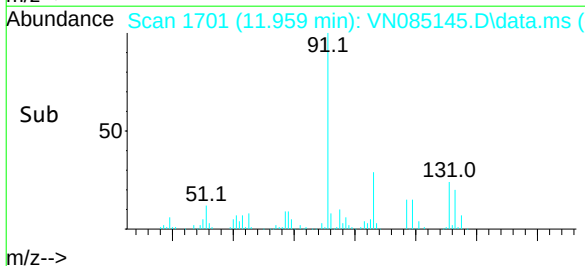
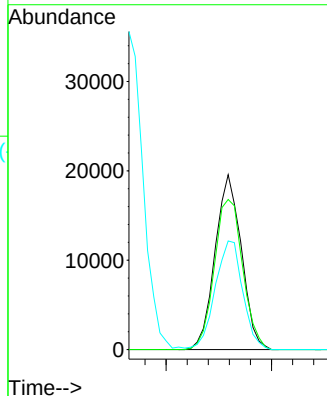
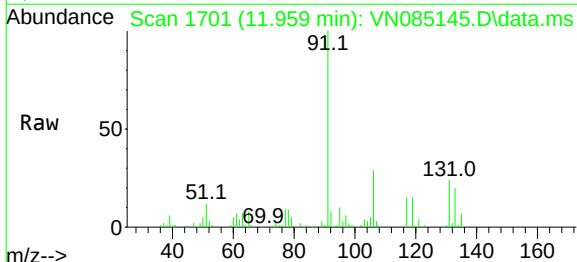
Tgt Ion:131 Resp: 33935

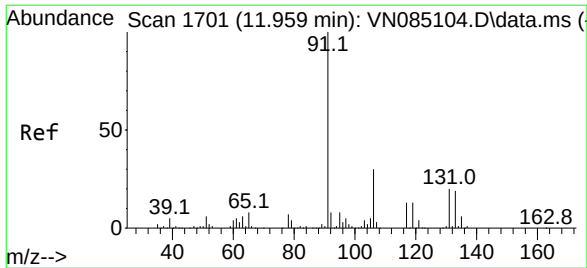
Ion Ratio Lower Upper

131 100

133 92.6 47.8 143.4

119 65.0 32.1 96.3





#67

Ethyl Benzene

Concen: 19.736 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 91 Resp: 147522

Ion Ratio Lower Upper

91 100

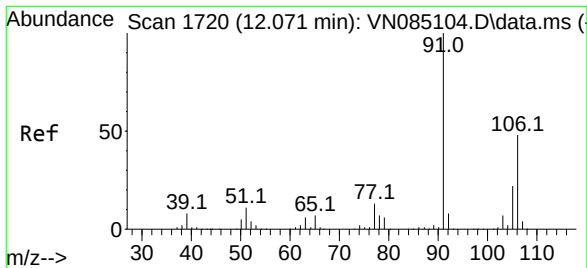
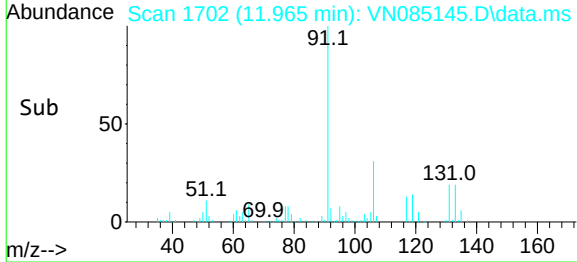
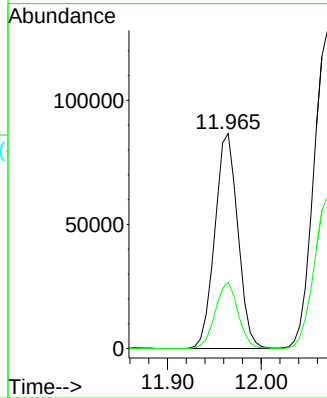
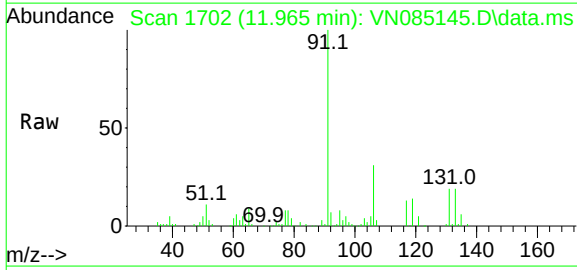
106 30.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#68

m/p-Xylenes

Concen: 40.857 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085145.D

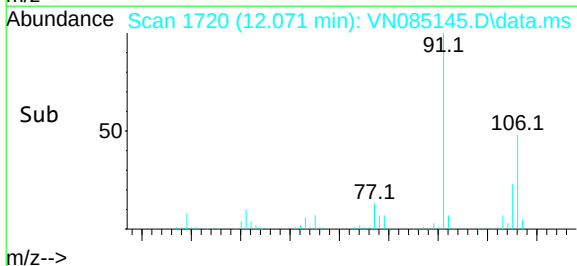
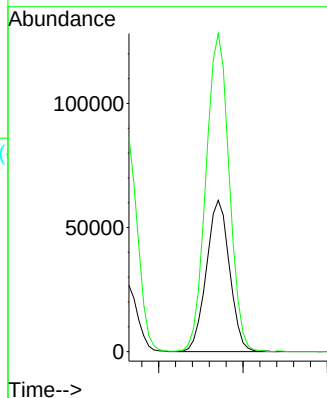
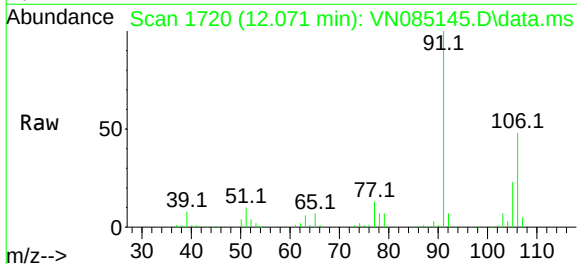
Acq: 09 Dec 2024 12:09

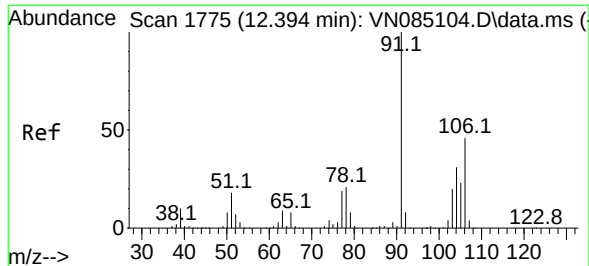
Tgt Ion:106 Resp: 116268

Ion Ratio Lower Upper

106 100

91 210.8 168.0 252.0





#69

o-Xylene

Concen: 19.780 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:106 Resp: 53545

Ion Ratio Lower Upper

106 100

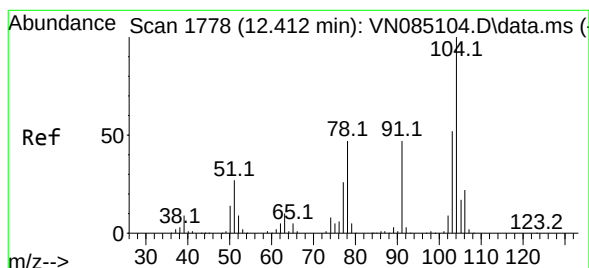
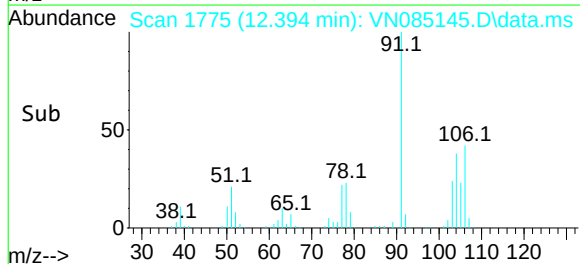
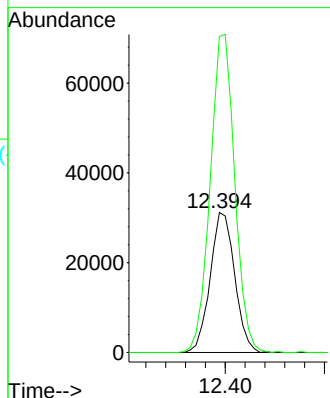
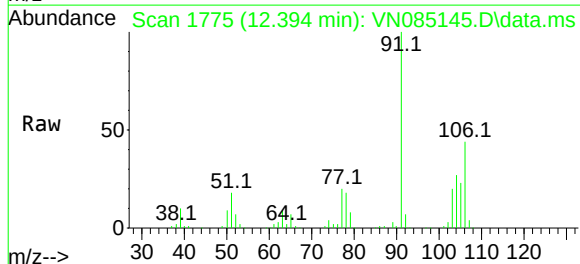
91 227.2 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#70

Styrene

Concen: 21.590 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

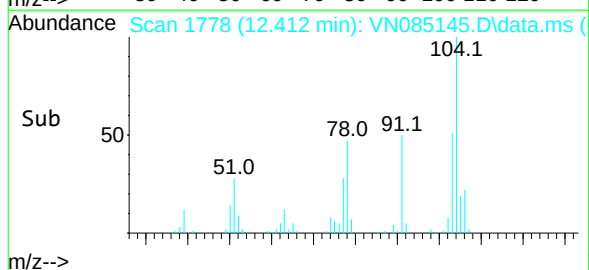
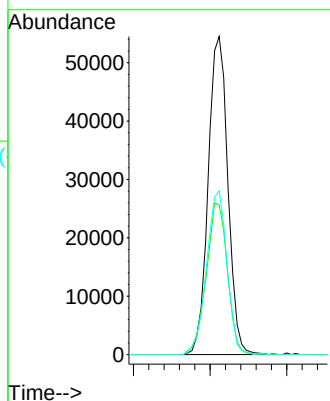
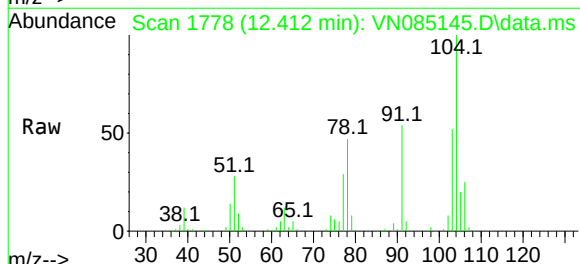
Tgt Ion:104 Resp: 97192

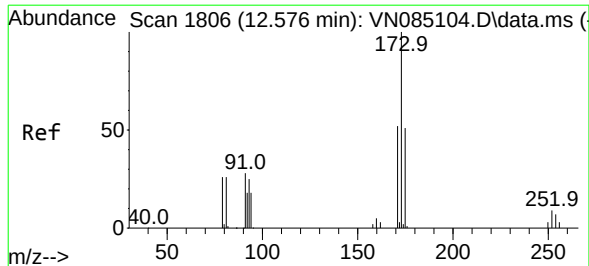
Ion Ratio Lower Upper

104 100

78 51.0 42.3 63.5

103 53.2 44.2 66.2





#71

Bromoform

Concen: 23.810 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:173 Resp: 28670

Ion Ratio Lower Upper

173 100

175 47.8 23.8 71.2

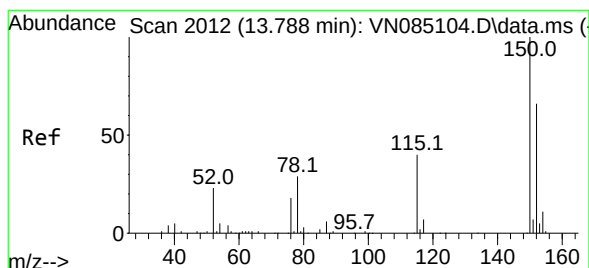
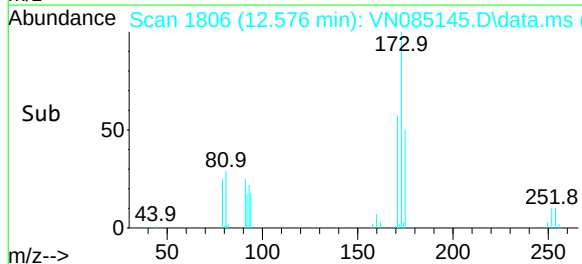
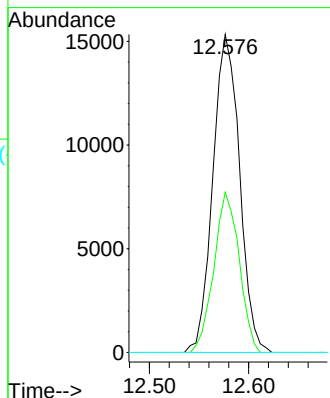
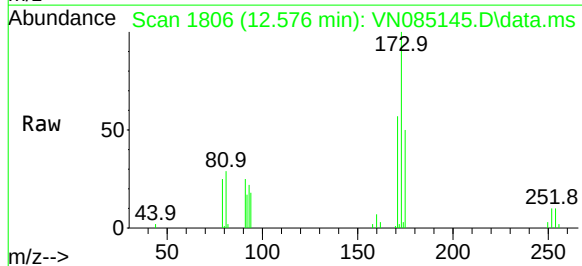
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

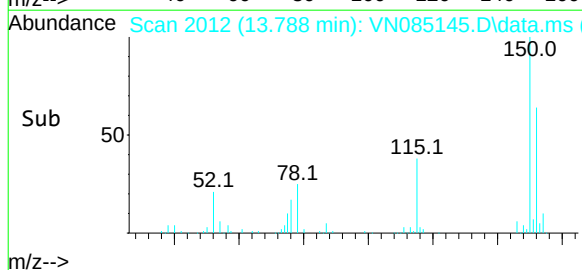
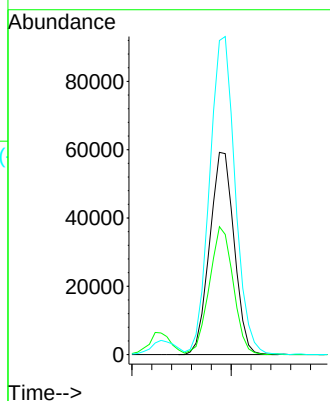
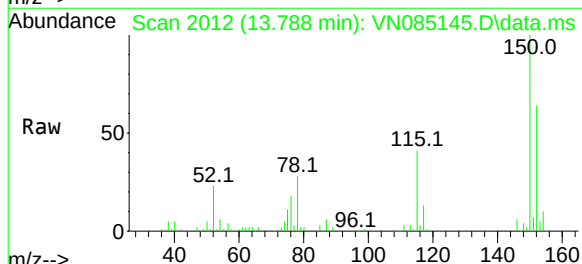
Tgt Ion:152 Resp: 101401

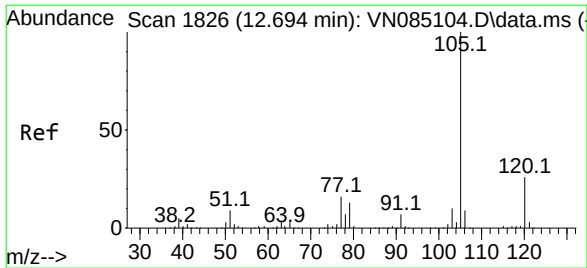
Ion Ratio Lower Upper

152 100

115 61.8 31.7 95.1

150 163.8 0.0 351.4





#73

Isopropylbenzene

Concen: 19.586 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:105 Resp: 140110

Ion Ratio Lower Upper

105 100

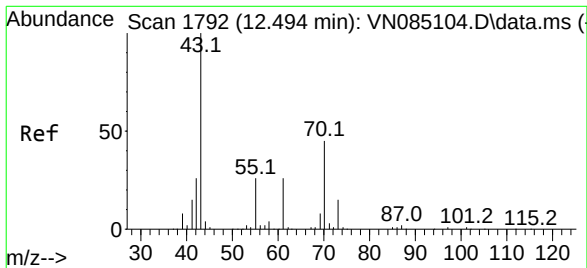
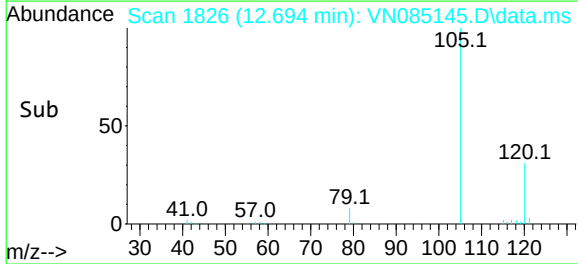
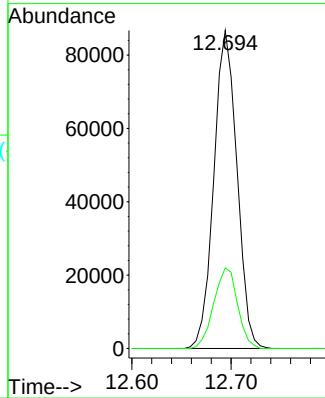
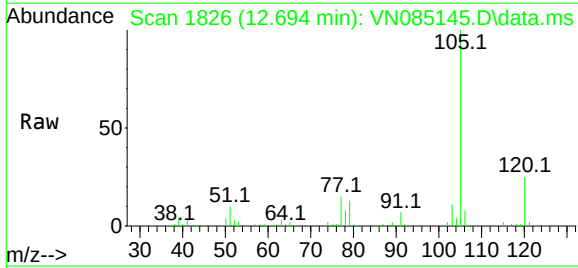
120 26.1 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#74

N-ethyl acetate

Concen: 20.951 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 61760

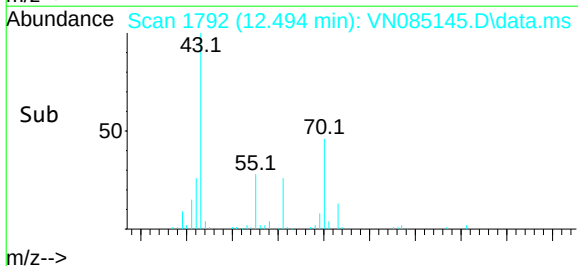
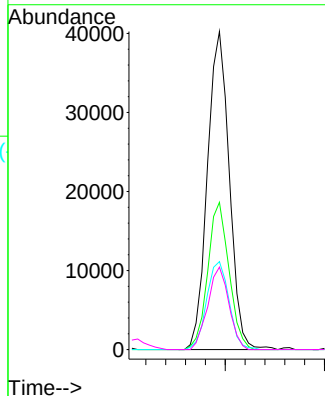
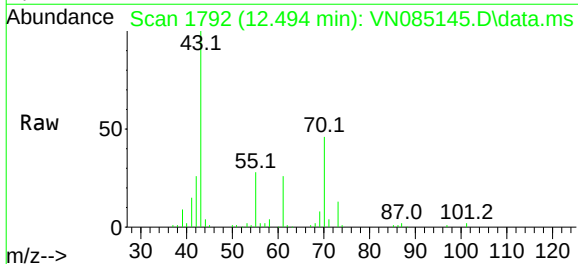
Ion Ratio Lower Upper

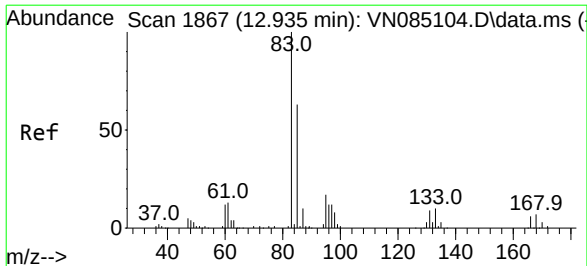
43 100

70 44.8 34.6 51.8

55 28.1 20.5 30.7

61 25.0 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.980 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

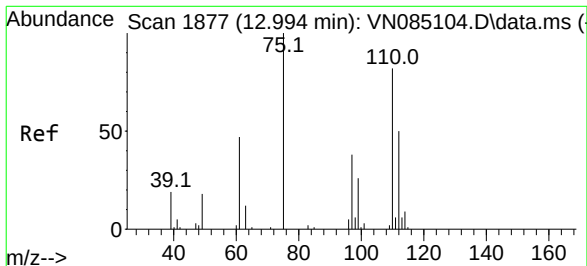
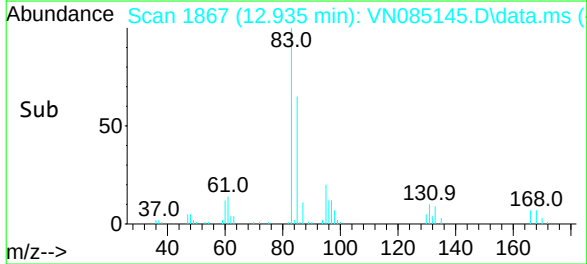
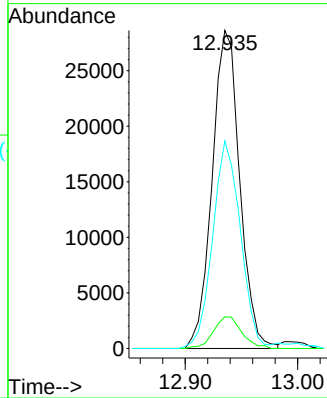
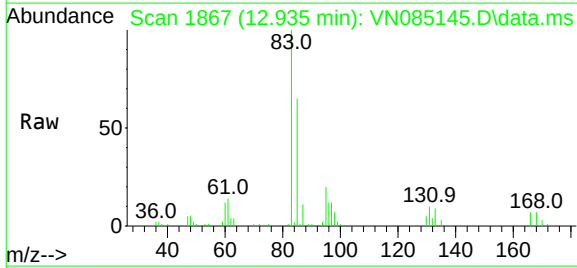
Tgt Ion:	83	Resp:	48806
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	65.7	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#76

1,2,3-Trichloropropane

Concen: 18.756 ug/l m

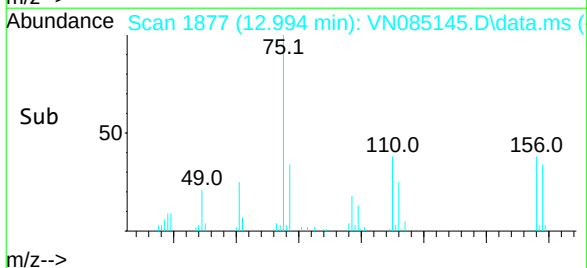
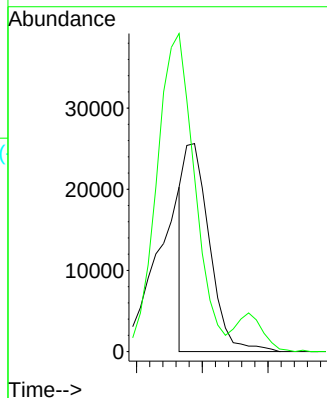
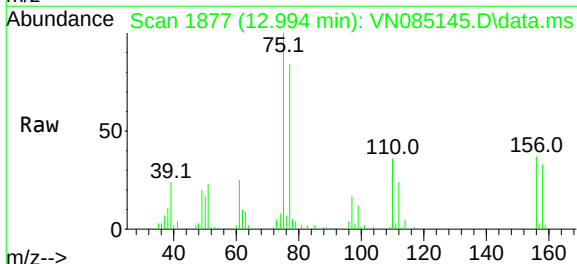
RT: 12.994 min Scan# 1877

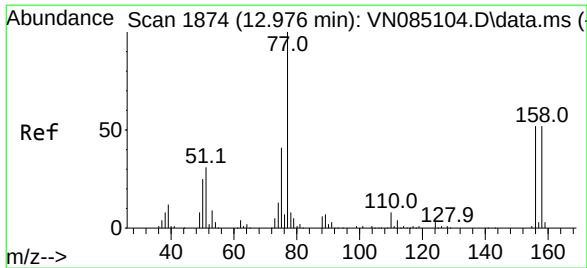
Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:	75	Resp:	34594
Ion	Ratio	Lower	Upper
75	100		
77	227.5	109.1	327.4





#77

Bromobenzene

Concen: 19.352 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085145.D

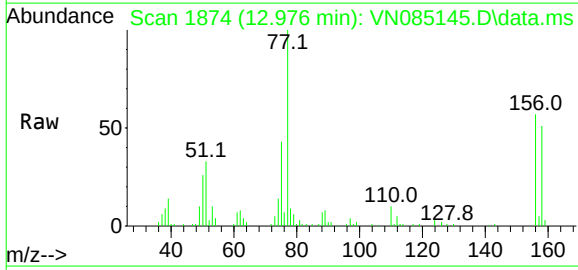
Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01



Tgt Ion:156 Resp: 37253

Ion Ratio Lower Upper

156 100

77 211.2 107.2 321.6

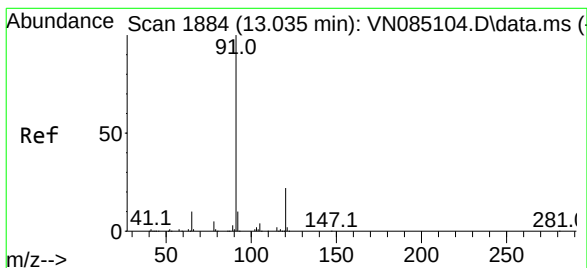
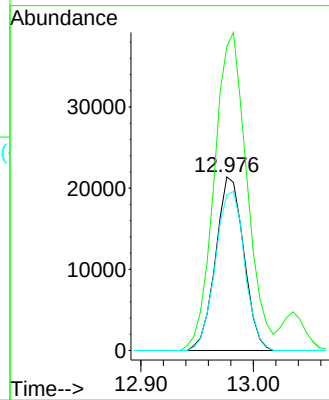
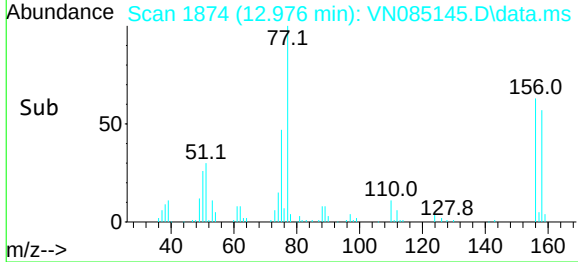
158 95.3 48.5 145.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#78

n-propylbenzene

Concen: 20.509 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085145.D

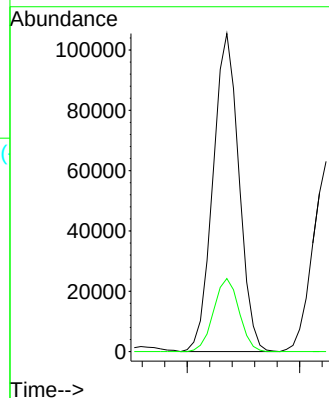
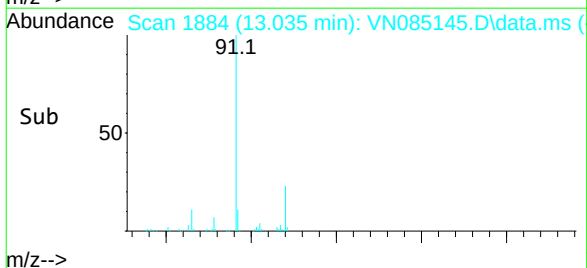
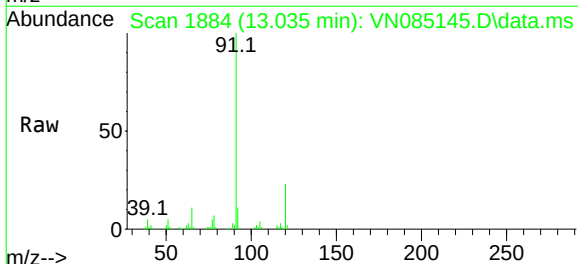
Acq: 09 Dec 2024 12:09

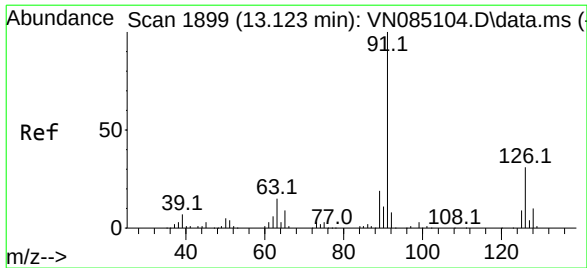
Tgt Ion: 91 Resp: 169221

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.479 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion: 91 Resp: 107288

Ion Ratio Lower Upper

91 100

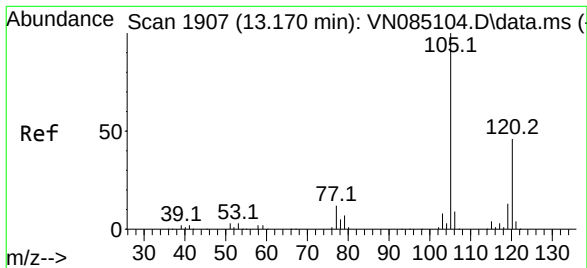
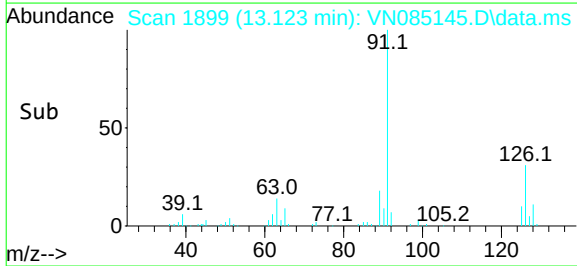
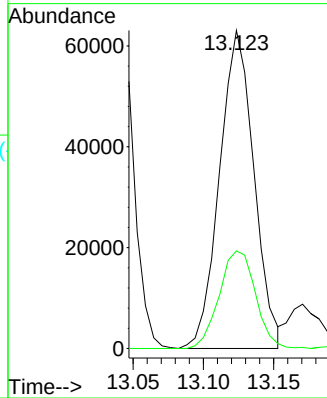
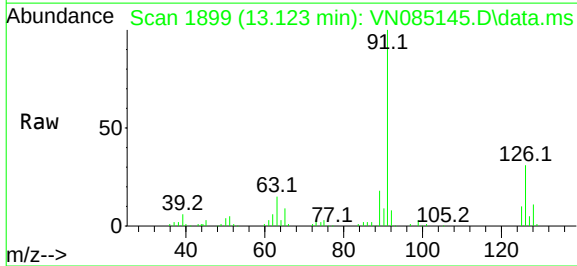
126 32.3 16.1 48.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.728 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085145.D

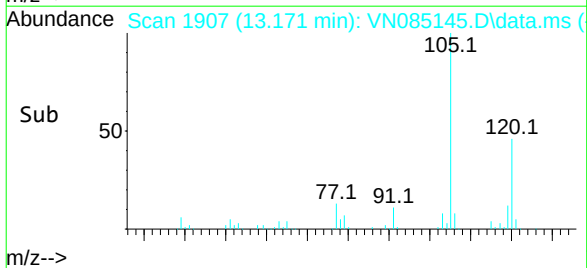
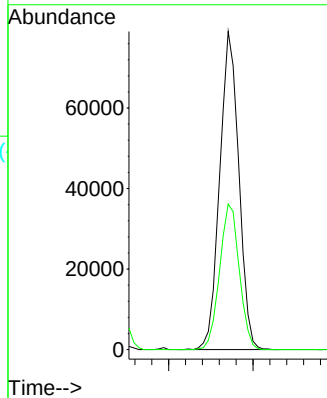
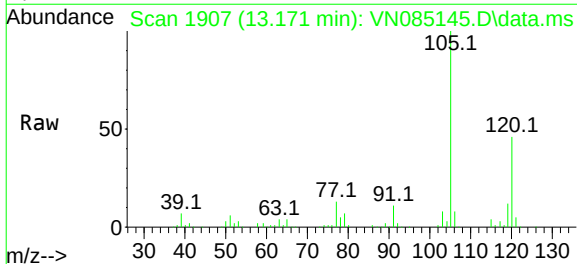
Acq: 09 Dec 2024 12:09

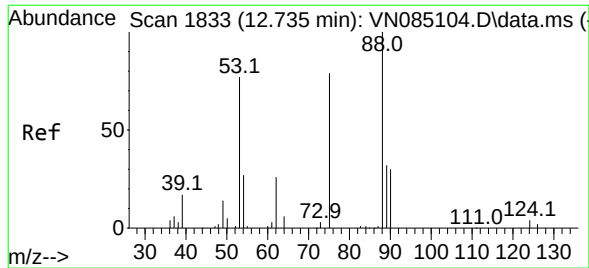
Tgt Ion:105 Resp: 124423

Ion Ratio Lower Upper

105 100

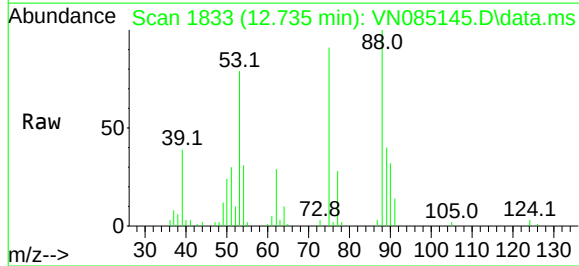
120 47.0 23.6 71.0





#81
trans-1,4-Dichloro-2-butene
Concen: 20.127 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

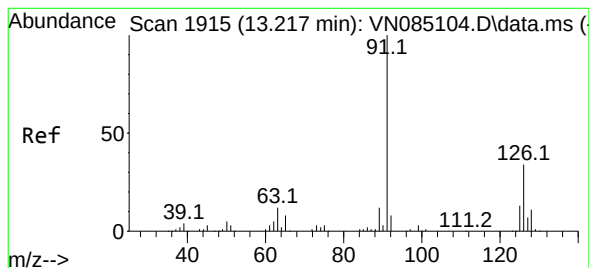
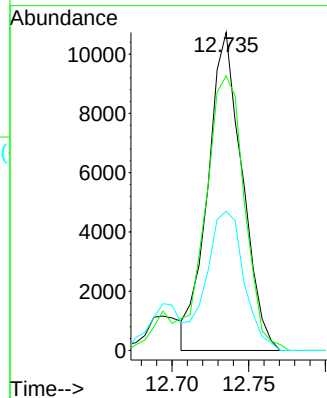
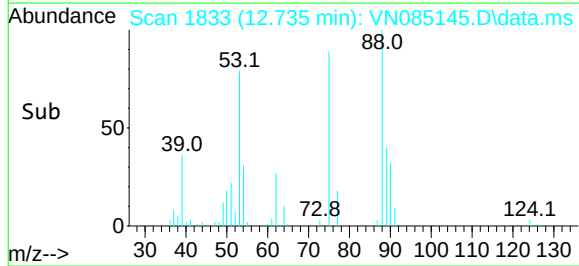
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01



Tgt Ion: 75 Resp: 16816
Ion Ratio Lower Upper
75 100
53 97.4 78.2 117.4
89 48.0 37.9 56.9

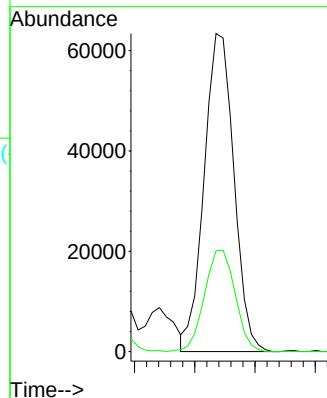
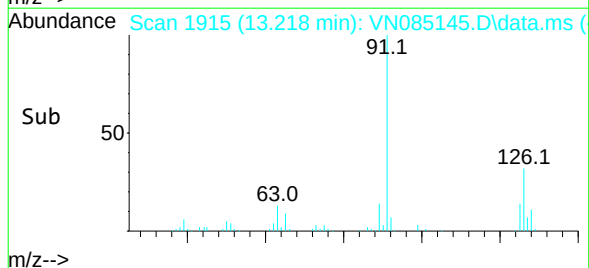
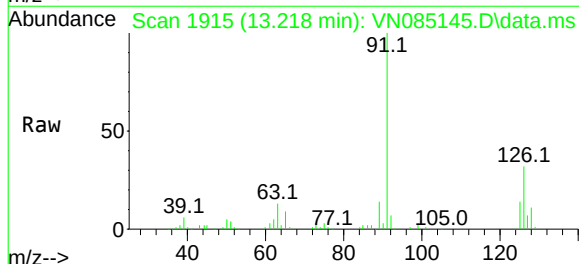
Manual Integrations
APPROVED

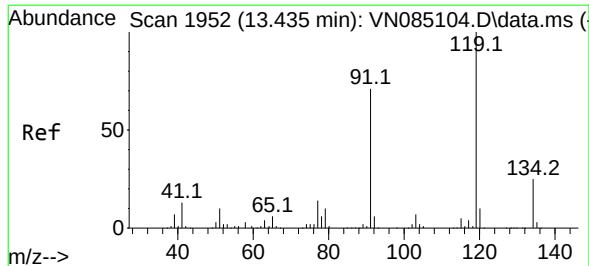
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#82
4-Chlorotoluene
Concen: 18.977 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 108808
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3





#83

tert-Butylbenzene

Concen: 19.900 ug/l

RT: 13.435 min Scan# 19

Delta R.T. -0.000 min MSVOA_N

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:119 Resp: 102778

Ion Ratio Lower Upper

119 100

91 66.8 35.1 105.5

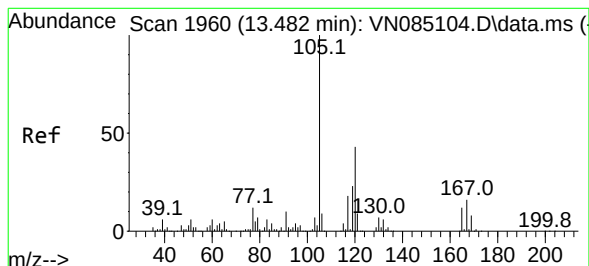
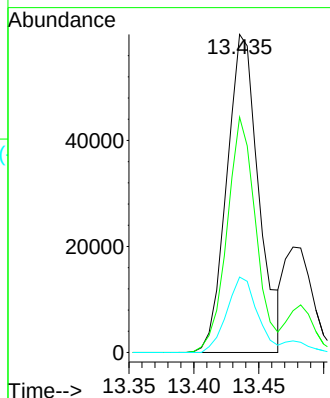
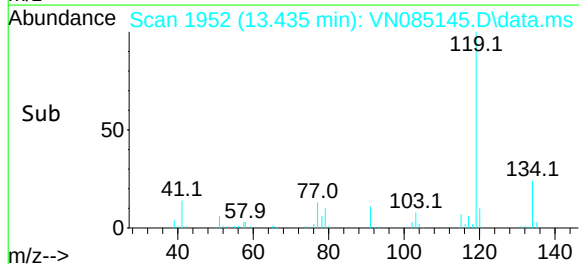
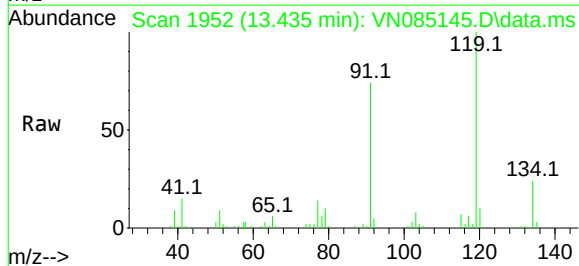
134 22.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#84

1,2,4-Trimethylbenzene

Concen: 19.964 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085145.D

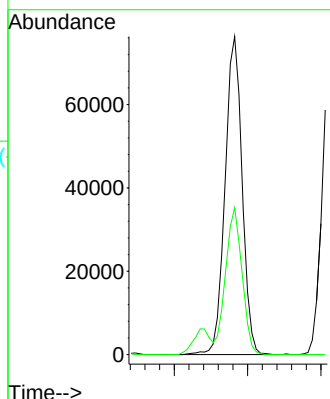
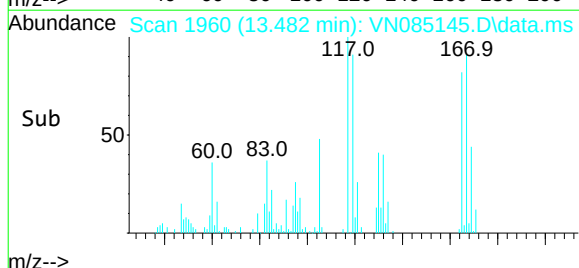
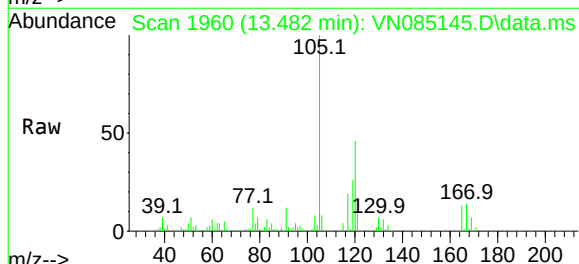
Acq: 09 Dec 2024 12:09

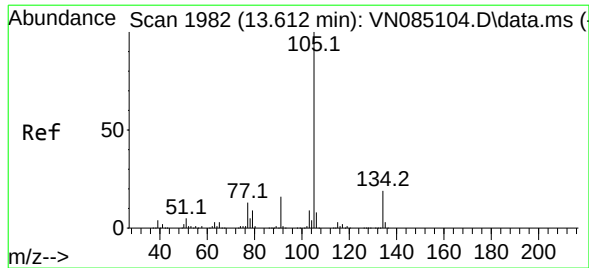
Tgt Ion:105 Resp: 123353

Ion Ratio Lower Upper

105 100

120 44.8 21.8 65.4





#85

sec-Butylbenzene

Concen: 20.061 ug/l

RT: 13.618 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:105 Resp: 139963

Ion Ratio Lower Upper

105 100

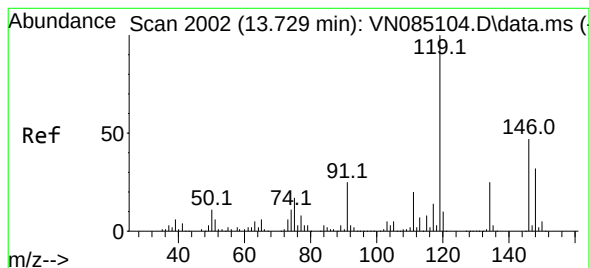
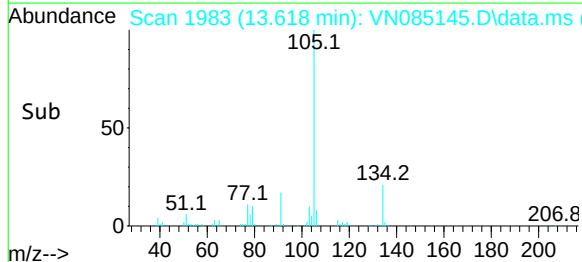
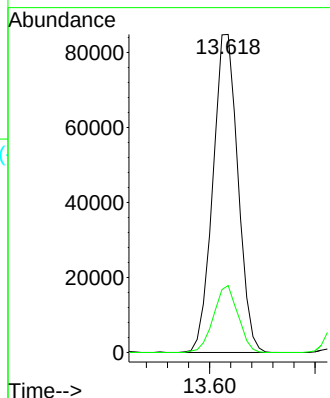
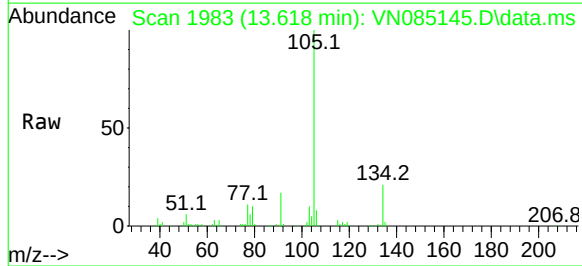
134 20.6 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#86

p-Isopropyltoluene

Concen: 20.140 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

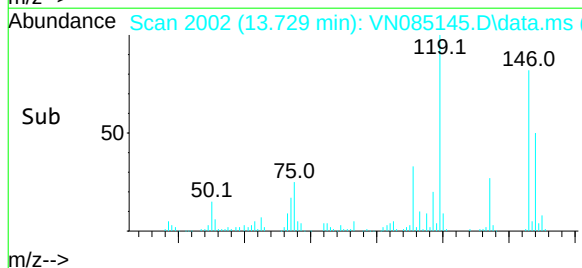
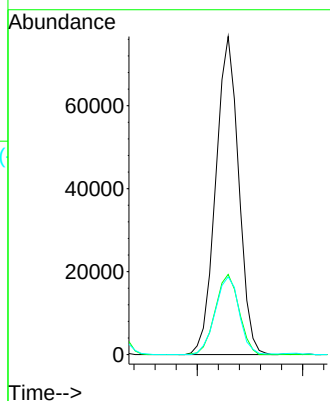
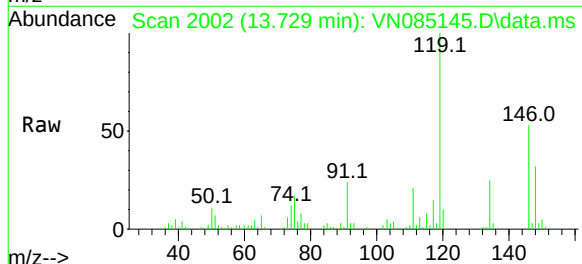
Tgt Ion:119 Resp: 115995

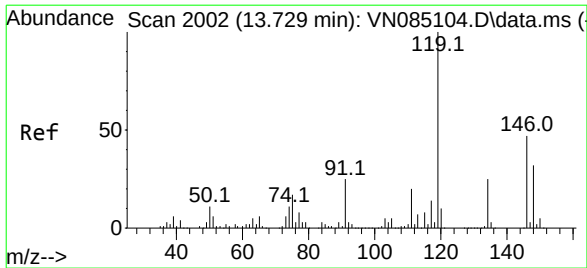
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 17.948 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

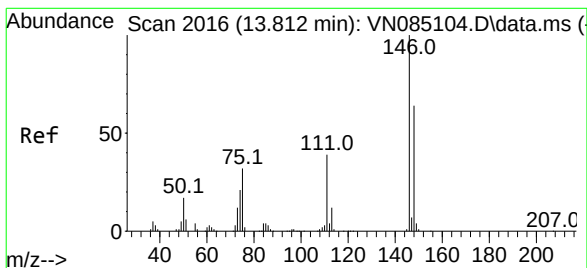
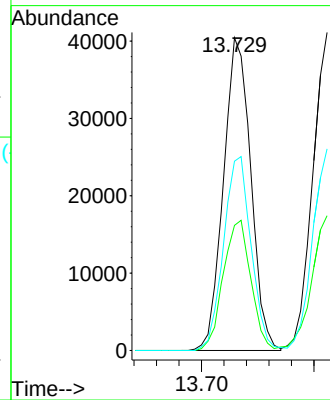
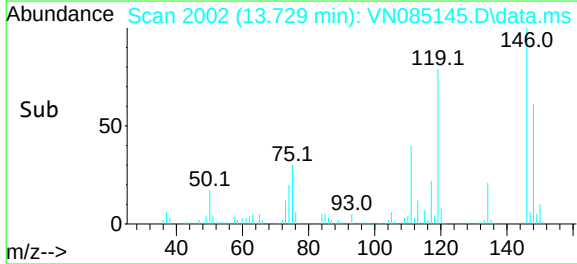
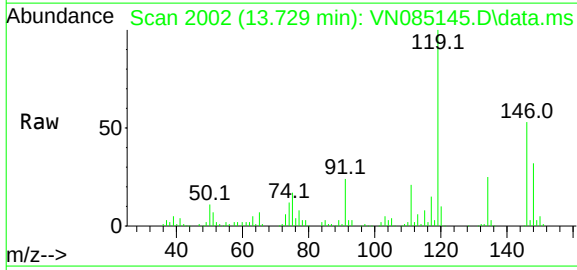
Tgt Ion:	146	Resp:	68149
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	62.7	32.2	96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#88

1,4-Dichlorobenzene

Concen: 17.582 ug/l

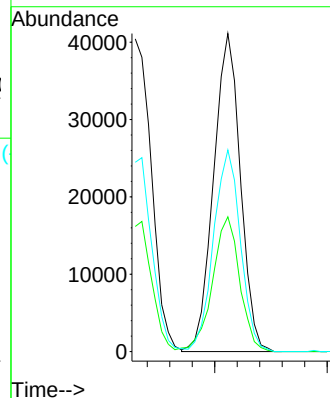
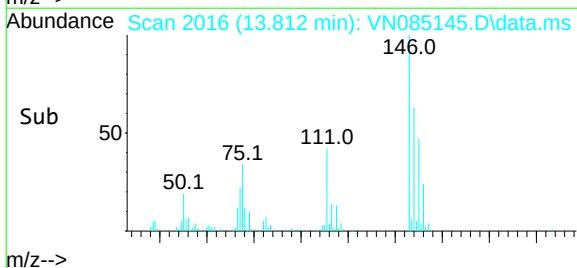
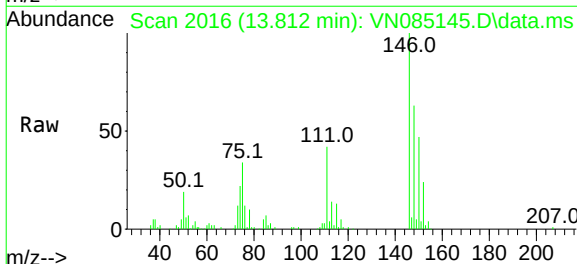
RT: 13.812 min Scan# 2016

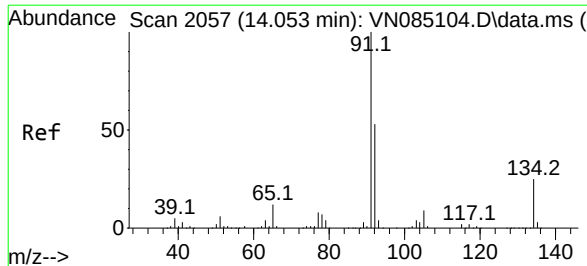
Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:	146	Resp:	68126
Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.8
148	63.6	31.3	93.9





#89

n-Butylbenzene

Concen: 17.833 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

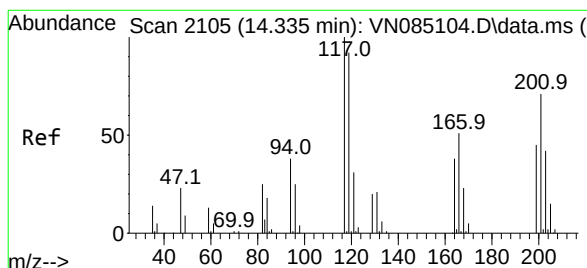
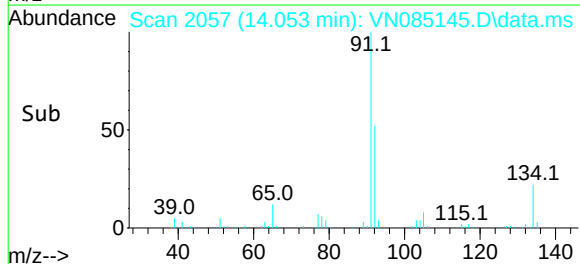
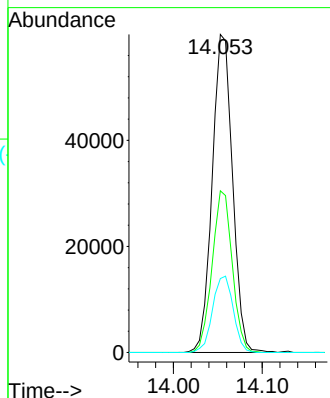
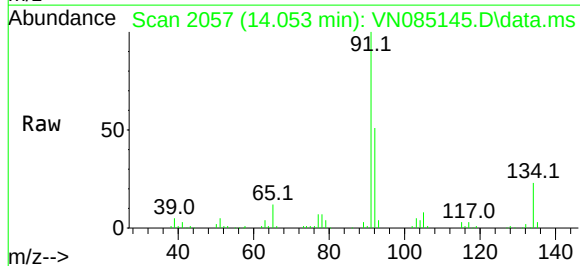
VN1209WBSD01

Tgt Ion:	91	Resp:	95516
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.8	80.3
134	24.4	12.8	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#90

Hexachloroethane

Concen: 18.846 ug/l

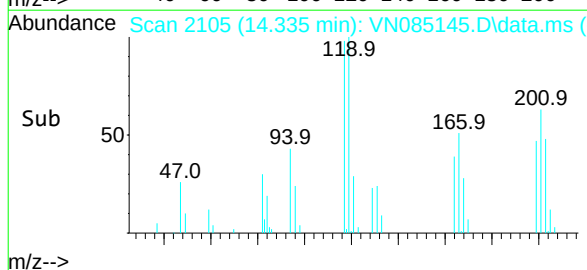
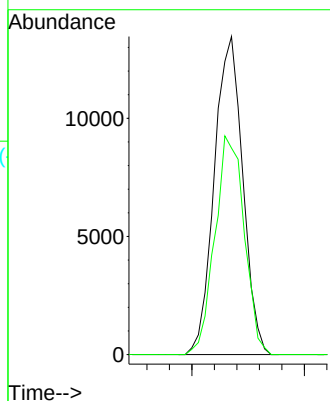
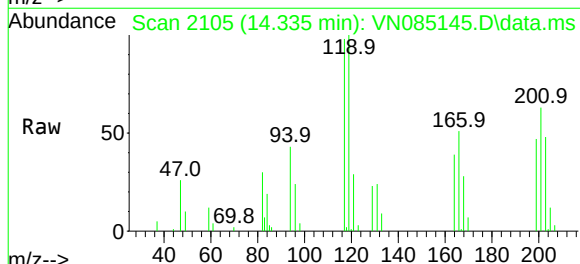
RT: 14.335 min Scan# 2105

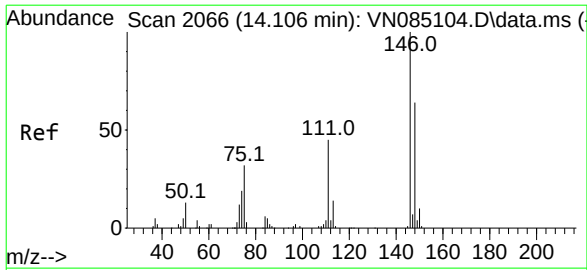
Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:	117	Resp:	23660
Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.2	105.6





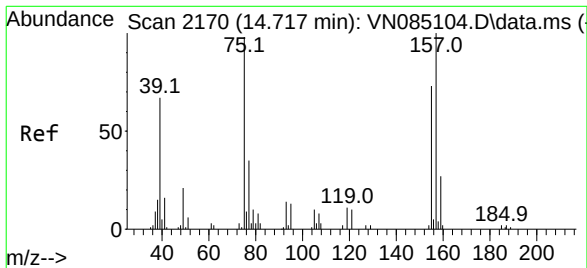
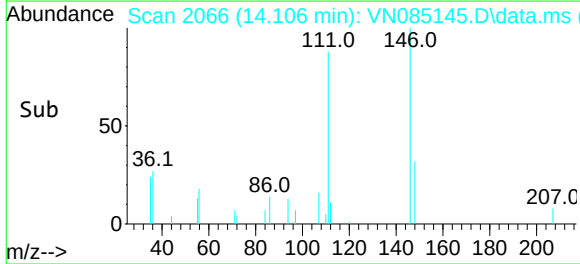
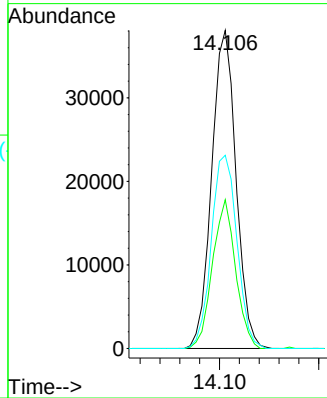
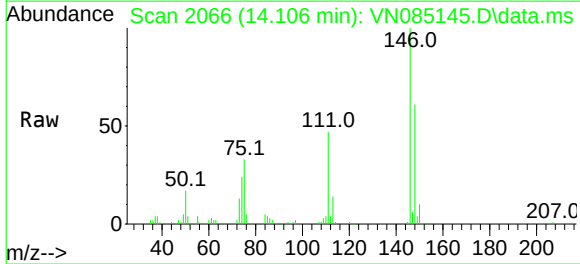
#91
1,2-Dichlorobenzene
Concen: 17.846 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion:146 Resp: 64932
Ion Ratio Lower Upper
146 100
111 44.5 21.9 65.8
148 64.0 31.1 93.2

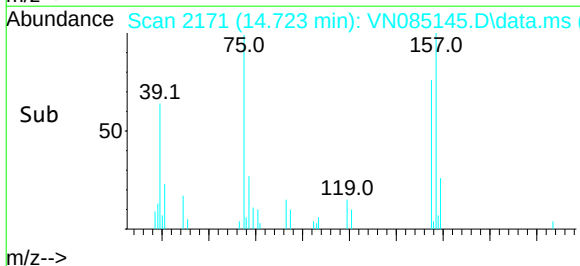
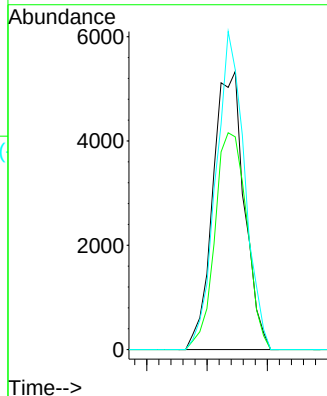
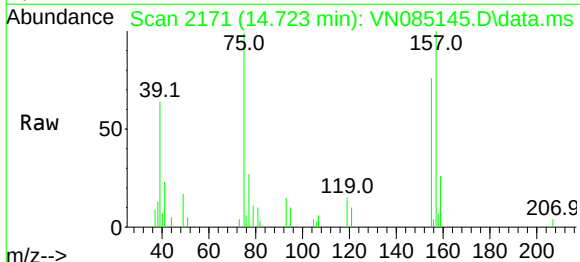
Manual Integrations
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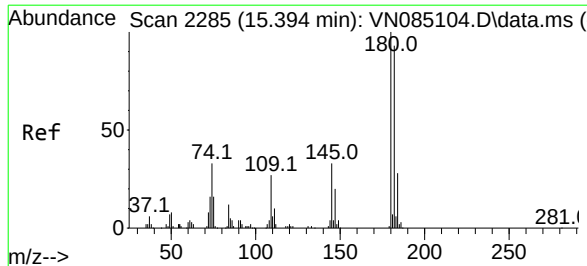
Reviewed By :John Carlone 12/10/2024
Supervised By :Mahesh Dadoda 12/10/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.468 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 9668
Ion Ratio Lower Upper
75 100
155 79.1 38.9 116.7
157 104.5 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 15.812 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

Tgt Ion:180 Resp: 31255

Ion Ratio Lower Upper

180 100

182 95.5 46.9 140.8

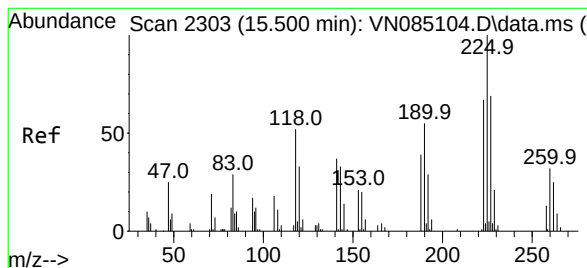
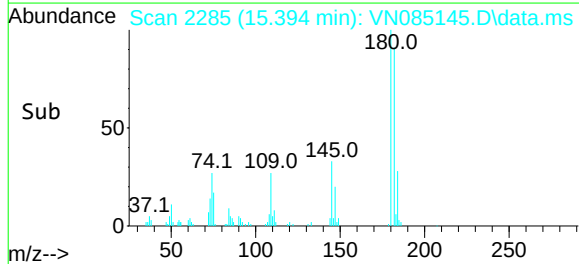
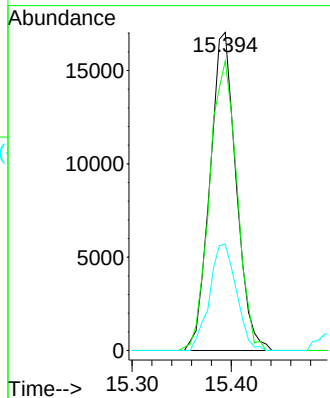
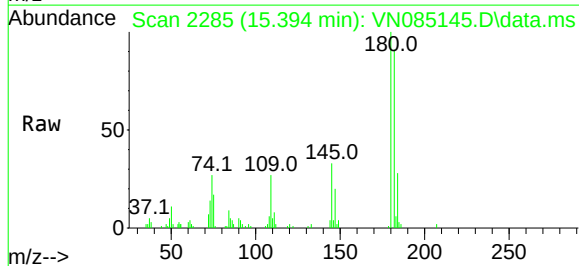
145 34.2 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#94

Hexachlorobutadiene

Concen: 17.760 ug/l

RT: 15.506 min Scan# 2304

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

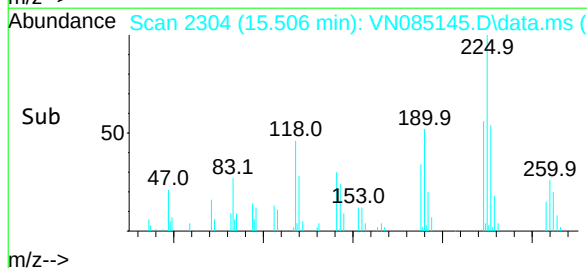
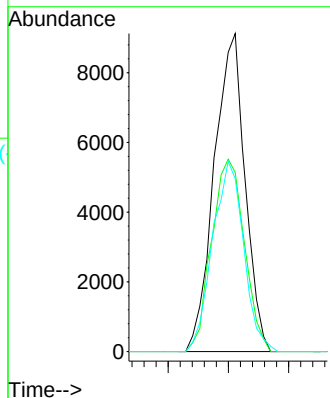
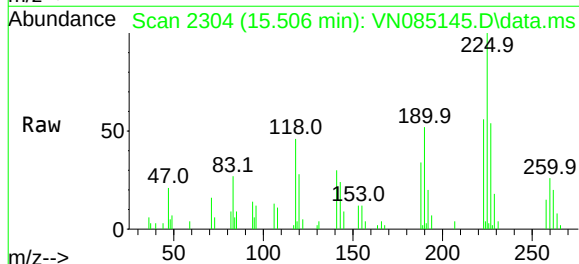
Tgt Ion:225 Resp: 16202

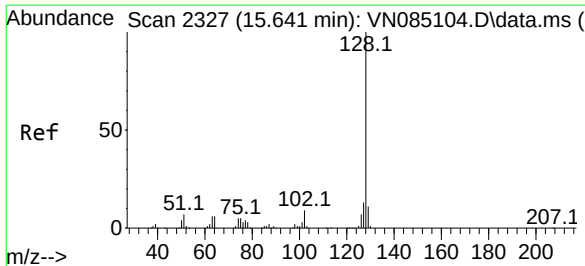
Ion Ratio Lower Upper

225 100

223 64.3 30.9 92.8

227 60.5 31.5 94.5





#95

Naphthalene

Concen: 17.440 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

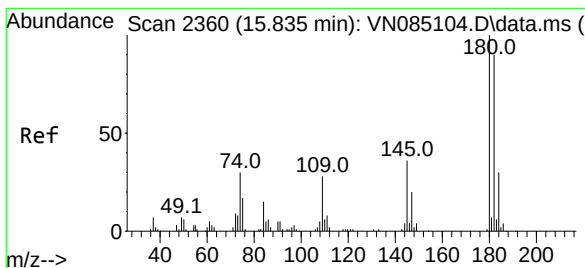
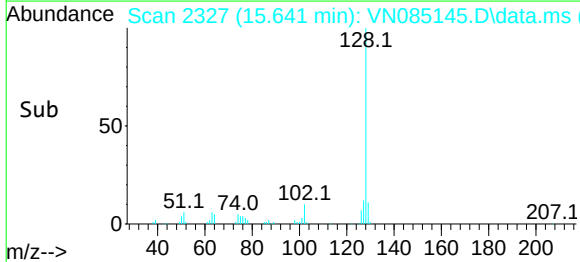
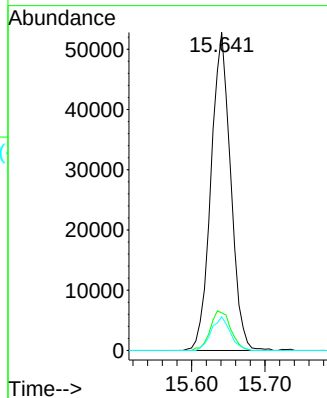
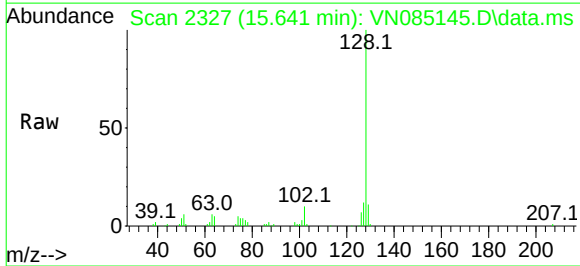
Tgt Ion:	128	Resp:	98185
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.2	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/10/2024

Supervised By :Mahesh Dadoda 12/10/2024



#96

1,2,3-Trichlorobenzene

Concen: 16.735 ug/l

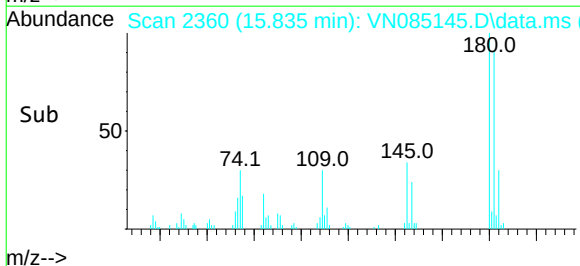
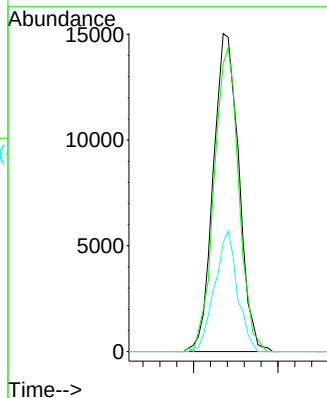
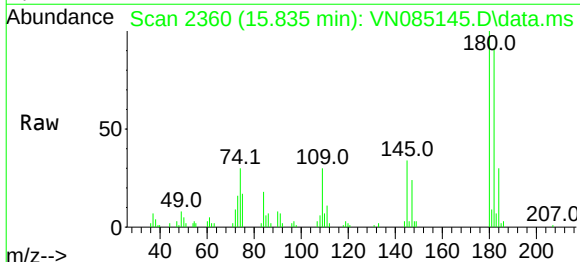
RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:	180	Resp:	31563
Ion Ratio	Lower	Upper	
180	100		
182	92.5	46.4	139.2
145	33.9	17.3	52.0



Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085005.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:15 AM	MMDadoda	11/25/2024 2:03:01 PM	Peak Integrated by Software
VSTDICCC050	VN085006.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:19 AM	MMDadoda	11/25/2024 2:03:02 PM	Peak Integrated by Software
VSTDICC020	VN085007.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:24 AM	MMDadoda	11/25/2024 2:03:03 PM	Peak Integrated by Software
VSTDICC010	VN085008.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:29 AM	MMDadoda	11/25/2024 2:03:05 PM	Peak Integrated by Software
VSTDICC005	VN085009.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:32 AM	MMDadoda	11/25/2024 2:03:06 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Chloroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Isopropyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl tert-butyl Ether	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methylene Chloride	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VN112224

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085012.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:43 AM	MMDadoda	11/25/2024 2:03:10 PM	Peak Integrated by Software
VSTDCCC050	VN085020.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:41:20 AM	MMDadoda	11/25/2024 2:03:24 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN120924	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085142.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:21 AM	MMDadoda	12/10/2024 11:58:31 AM	Peak Integrated by Software
VSTDCCC050	VN085142.D	trans-1,4-Dichloro-2-but ene	JOHN	12/10/2024 9:52:21 AM	MMDadoda	12/10/2024 11:58:31 AM	Peak Integrated by Software
VN1209WBS01	VN085144.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:26 AM	MMDadoda	12/10/2024 11:58:32 AM	Peak Integrated by Software
VN1209WBSD0 1	VN085145.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:30 AM	MMDadoda	12/10/2024 11:58:33 AM	Peak Integrated by Software
VN1209WBSD0 1	VN085145.D	trans-1,4-Dichloro-2-but ene	JOHN	12/10/2024 9:52:30 AM	MMDadoda	12/10/2024 11:58:33 AM	Peak Integrated by Software
VSTDCCC050	VN085153.D	1,2,3-Trichloropropane	JOHN	12/10/2024 9:52:40 AM	MMDadoda	12/10/2024 11:58:36 AM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM
SubDirectory	VN112224	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131747		
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757		
CCC	VP131751		
Internal Standard/PEM			
ICV/I.BLK	VP131758		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085003.D	22 Nov 2024 09:29	JC\MD	Ok
2	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	JC\MD	Not Ok
3	VSTDICC100	VN085005.D	22 Nov 2024 11:22	JC\MD	Ok,M
4	VSTDICCC050	VN085006.D	22 Nov 2024 11:46	JC\MD	Ok,M
5	VSTDICC020	VN085007.D	22 Nov 2024 12:10	JC\MD	Ok,M
6	VSTDICC010	VN085008.D	22 Nov 2024 12:34	JC\MD	Ok,M
7	VSTDICC005	VN085009.D	22 Nov 2024 12:57	JC\MD	Ok,M
8	VSTDICC001	VN085010.D	22 Nov 2024 13:45	JC\MD	Ok,M
9	IBLK	VN085011.D	22 Nov 2024 14:09	JC\MD	Ok
10	VSTDICV050	VN085012.D	22 Nov 2024 16:07	JC\MD	Ok,M
11	VN1122WBL01	VN085013.D	22 Nov 2024 17:05	JC\MD	Ok
12	VN1122WBS01	VN085014.D	22 Nov 2024 18:05	JC\MD	Ok,M
13	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29	JC\MD	Ok,M
14	P4845-21	VN085016.D	22 Nov 2024 19:17	JC\MD	Dilution
15	P4845-22	VN085017.D	22 Nov 2024 19:41	JC\MD	ReRun
16	P4845-23	VN085018.D	22 Nov 2024 20:05	JC\MD	Ok,M
17	P4845-24	VN085019.D	22 Nov 2024 20:29	JC\MD	Ok,M
18	VSTDCCC050	VN085020.D	22 Nov 2024 20:52	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN120924

Review By	John Carlone	Review On	12/10/2024 9:53:44 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2024 11:58:43 AM
SubDirectory	VN120924	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132021		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132022,VP132023		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085141.D	09 Dec 2024 09:58	JC\MD	Ok
2	VSTDCCC050	VN085142.D	09 Dec 2024 10:32	JC\MD	Ok,M
3	VN1209WBL01	VN085143.D	09 Dec 2024 11:11	JC\MD	Ok
4	VN1209WBS01	VN085144.D	09 Dec 2024 11:35	JC\MD	Ok,M
5	VN1209WBSD01	VN085145.D	09 Dec 2024 12:09	JC\MD	Ok,M
6	P5133-02	VN085146.D	09 Dec 2024 12:33	JC\MD	Ok,M
7	P5136-02	VN085147.D	09 Dec 2024 12:57	JC\MD	Ok
8	P5095-04	VN085148.D	09 Dec 2024 13:22	JC\MD	Ok
9	P5096-04	VN085149.D	09 Dec 2024 13:46	JC\MD	Ok
10	P5096-08	VN085150.D	09 Dec 2024 14:10	JC\MD	Ok
11	P5117-02	VN085151.D	09 Dec 2024 14:35	JC\MD	Ok
12	PB165391TB	VN085152.D	09 Dec 2024 14:59	JC\MD	Ok
13	VSTDCCC050	VN085153.D	09 Dec 2024 16:14	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM
SubDirectory	VN112224	HP Acquire Method	HP Processing Method 82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085003.D	22 Nov 2024 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085005.D	22 Nov 2024 11:22		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085006.D	22 Nov 2024 11:46		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085007.D	22 Nov 2024 12:10	Comp. #18 is on Linear Regression	JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085008.D	22 Nov 2024 12:34		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085009.D	22 Nov 2024 12:57		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085010.D	22 Nov 2024 13:45		JC\MD	Ok,M
9	IBLK	IBLK	VN085011.D	22 Nov 2024 14:09		JC\MD	Ok
10	VSTDICV050	ICVVN112224	VN085012.D	22 Nov 2024 16:07		JC\MD	Ok,M
11	VN1122WBL01	VN1122WBL01	VN085013.D	22 Nov 2024 17:05		JC\MD	Ok
12	VN1122WBS01	VN1122WBS01	VN085014.D	22 Nov 2024 18:05		JC\MD	Ok,M
13	VN1122WBSD01	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29		JC\MD	Ok,M
14	P4845-21	FSND-MW-13-202411	VN085016.D	22 Nov 2024 19:17	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-22	FSND-MW-11R-202411	VN085017.D	22 Nov 2024 19:41	vial A pH<2 E flage in previous sample	JC\MD	ReRun
16	P4845-23	FSND-MW-18-202411	VN085018.D	22 Nov 2024 20:05	vial A pH<2	JC\MD	Ok,M
17	P4845-24	FSND-MW-20-202411	VN085019.D	22 Nov 2024 20:29	vial A pH<2	JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM				
SubDirectory	VN112224	HP Acquire Method	HP Processing Method		82N112224W.M		
STD. NAME		STD REF.#					
Tune/Reschk		VP131747					
Initial Calibration Stds		VP131752,VP131753,VP131754,VP131755,VP131756,VP131757					
CCC		VP131751					
Internal Standard/PEM							
ICV/I.BLK		VP131758					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

18	VSTDCCC050	VSTDCCC050EC	VN085020.D	22 Nov 2024 20:52		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120924

Review By	John Carlone	Review On	12/10/2024 9:53:44 AM
Supervise By	Maresh Dadoda	Supervise On	12/10/2024 11:58:43 AM
SubDirectory	VN120924	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132021		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132022,VP132023		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085141.D	09 Dec 2024 09:58		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085142.D	09 Dec 2024 10:32	V13516	JC\MD	Ok,M
3	VN1209WBL01	VN1209WBL01	VN085143.D	09 Dec 2024 11:11		JC\MD	Ok
4	VN1209WBS01	VN1209WBS01	VN085144.D	09 Dec 2024 11:35		JC\MD	Ok,M
5	VN1209WBSD01	VN1209WBSD01	VN085145.D	09 Dec 2024 12:09		JC\MD	Ok,M
6	P5133-02	MOO-24-00374	VN085146.D	09 Dec 2024 12:33	vial A pH#5.0	JC\MD	Ok,M
7	P5136-02	COMP-1	VN085147.D	09 Dec 2024 12:57	vial A pH#5.0	JC\MD	Ok
8	P5095-04	MH-764	VN085148.D	09 Dec 2024 13:22	vial A pH#5.0	JC\MD	Ok
9	P5096-04	MH-B	VN085149.D	09 Dec 2024 13:46	vial A pH#5.0	JC\MD	Ok
10	P5096-08	MH-A	VN085150.D	09 Dec 2024 14:10	vial A pH#5.0	JC\MD	Ok
11	P5117-02	TAPIAL2-IDW-SOIL-12	VN085151.D	09 Dec 2024 14:35	vial A pH#5.0	JC\MD	Ok
12	PB165391TB	PB165391TB	VN085152.D	09 Dec 2024 14:59		JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN085153.D	09 Dec 2024 16:14		JC\MD	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-15	
SDG No :	N/A	Start Prep Date : 12/05/2024 Time : 16:40
Weigh By :	JP	End Prep Date : 12/06/2024 Time : 09:25
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : 
Tumbler ID :	ZHE-1	Supervisor By : 12
TCLP Filter ID :	50223706	

Standarded 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
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
40ml VOA Vials	23237	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	Prepped Sample Relinquished By/Location	Received By/Location
12/06/24 10:30	20 1100 Drum	 100C 24b
	Preparation Group	Analysis Group

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
P5095-04	MH-764	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5096-04	MH-B	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5096-08	MH-A	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5133-02	MOO-24-00374	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P5136-02	COMP-1	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB165391TB	LEB391	07	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P5095-04	MH-764	N/A	N/A	N/A	N/A	100	N/A
P5096-04	MH-B	N/A	N/A	N/A	N/A	100	N/A
P5096-08	MH-A	N/A	N/A	N/A	N/A	100	N/A
P5117-02	TAPIAL2-IDW-SOIL-120424-00-T2	N/A	N/A	N/A	N/A	100	N/A
P5133-02	MOO-24-00374	N/A	N/A	N/A	N/A	100	N/A
P5136-02	COMP-1	N/A	N/A	N/A	N/A	100	N/A
PB165391TB	LEB391	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE P5100

WorkList ID : 185996

Department : TCLP Extraction

Date : 12-05-2024 09:26:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5095-04	MH-764	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L11	12/04/2024	1311 ZHE
P5096-04	MH-B	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311 ZHE
P5096-08	MH-A	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L51	12/04/2024	1311 ZHE
P5117-02	TAPIAL2-IDW-SOIL-120424-00	Solid	TCLP ZHE Extraction	Cool 4 deg C	WEST04	L41	12/05/2024	1311 ZHE
P5133-02	MOO-24-00374	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	12/05/2024	1311 ZHE
P5136-02	COMP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L61	12/05/2024	1311 ZHE

Date/Time 12/05/24 15:40
 Raw Sample Received by: JH C09C1
 Raw Sample Relinquished by: RJ C Ext - Lab JH C09C1

Date/Time 12/05/24 17:10
 Raw Sample Received by: RJ C Ext - Lab JH C09C1
 Raw Sample Relinquished by: JH C09C1

Prep Standard - Chemical Standard Summary

Order ID : P5117

Test : TCLP VOA

Prepbatch ID :

Sequence ID/Qc Batch ID: VN120924,

Standard ID :

VP128762,VP128766,VP130430,VP131746,VP131767,VP131987,VP132005,VP132021,VP132022,VP132023,

Chemical ID :

V12794,V12798,V13391,V13445,V13462,V13463,V13707,V13806,V14020,V14021,V14105,V14106,V14145,V14147,V14152,V14154,V14173,V14174,V14192,V14194,V14201,V14289,V14434,V14437,V14650,V14651,V14652,W 3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1810	8260 Working Std(2-CVE)-800ppm	VP128762	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
719	8260 Working STD (BCM)-First source, 400PPM	VP128766	07/01/2024	12/11/2024	Semsettin Yesilyurt	None	None	Maresh Dadoda
								07/02/2024

FROM 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								09/26/2024

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP131987	12/06/2024	01/05/2025	Semsettin Yesilyurt	None	None	Maresh 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



VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP132021	12/09/2024	12/10/2024	John Carlone	None	None	Semsettin Yesilyurt 12/10/2024

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml



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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12794

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	121321	12/13/2024	06/25/2024 / SAM	03/30/2022 / SAM	V12798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	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	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	01/01/2025	07/01/2024 / SAM	01/27/2023 / SAM	V13463

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0194279	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 #
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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14105

LOTS

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	A0205179	05/26/2025	11/26/2024 / SAM	12/22/2023 / SAM	V14106

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	12/11/2024	06/11/2024 / pedro	02/06/2024 / SAM	V14147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	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

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 / lwona	07/03/2024 / lwona	W3112



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

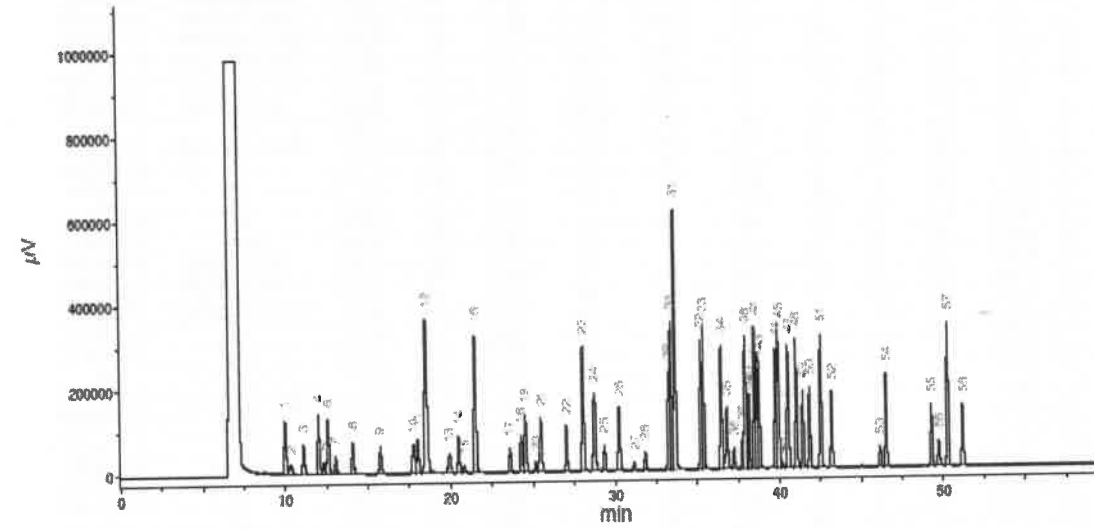
Formulated By: <i>Prashant Chauhan</i>		021624
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
														(Solvent Safety Info. On Attached pg.)		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)	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)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulfide	(0060)	MKCR8581	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)	or-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)	MKBP6041F	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)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	5HBF8718V	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)	or-rat 70mg/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)	or-rat 3480mg/kg
10. Methacrylonitrile	(0442)	03427ET	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)	or-rat 1200mg/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)	or-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)	or-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)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JK	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)	or-rat 7200mg/kg
15. Perfluorooctane	(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 (7800mg/m3/8H)	or-rat 43mg/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	or-rat 910mg/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	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	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-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	156-60-5	N/A	or-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	or-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)	or-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)	or-rat 930mg/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)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20002.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/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	or-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. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (flnal)	or-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)	or-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	96-12-6	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	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)	or-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	107-08-2	50 ppm (8H)	or-rat 870mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-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	un-rat 3600mg/kg
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	22.9	563-56-6	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	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-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	or-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)	or-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)	or-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)	or-rat 2400mg/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 (50mg/m3/8H)	or-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	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/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	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	N/A	or-rat 5000mg/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	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-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	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-50-1	75 ppm (450mg/m3/8H)	or-rat 900mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	96-52-6	50 ppm (245mg/m3/8H)	or-rat 14

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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=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-Dichloroethane	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-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Helopropene	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-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-3-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	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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 shield
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.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

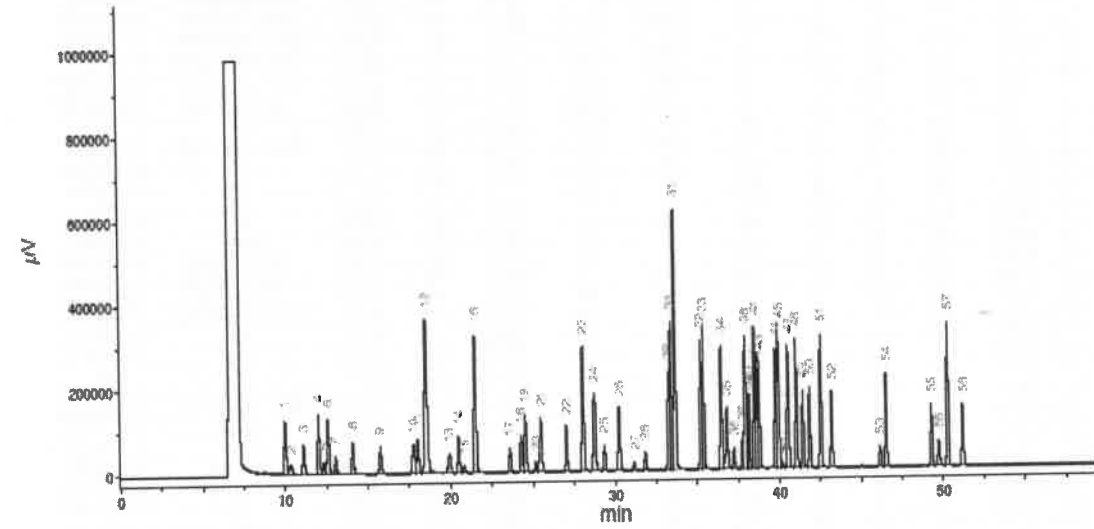
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS information			
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50
													(+/-)				
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)	or-rat 2400mg/kg	
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)	or-rat 700mg/kg	
Carbon disulfide	(0060)	MKCR8581	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)	or-rat 1200mg/kg	
cis-1,4-Dichloro-2-butene	(1198)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	NA	NA	
trans-1,4-Dichloro-2-butene	(0486)	MKBP6041F	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	NA	NA	
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	NA	NA	
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	NA	or-rat 14800mg/kg	
Iodomethane	(0489)	5HBF8718V	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)	or-rat 70mg/kg	
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)	or-rat 3480mg/kg	
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)	or-rat 1200mg/kg	
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)	or-rat 277mg/kg	
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)	or-rat 7872mg/kg	
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)	or-rat 700mg/kg	
2-Nitropropane	(0461)	14002JK	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)	or-rat 7200mg/kg	
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	NA	NA	
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 (7800mg/m3/8h)	or-rat 43g/kg	
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	NA	or-rat 910mg/kg	
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-49-1	NA	or-rat 840mg/kg	
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	NA	N/A	
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	NA	N/A	
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	or-rat 1235mg/kg	
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)	or-rat 200mg/kg	
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)	or-rat 930mg/kg	
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)	or-rat 2350mg/kg	
Chloroform	95321	020724	0.10	10.00	20002.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg	
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	NA	or-rat 105mg/kg	
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	or-rat 725mg/kg	
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	NA	N/A	
Tetrachloroethane	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)	or-rat 2629mg/kg	
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)	or-rat 10300mg/kg	
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg	
1,2-Dibromomethane	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)	or-rat 108mg/kg	
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8h)	or-rat 870mg/kg	
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8h)	or-rat 1947mg/kg	
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	NA	un-rat 3600mg/kg	
1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	NA	N/A	
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	NA	N/A	
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	NA	N/A	
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)	or-rat 82mg/kg	
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	NA	or-rat 670mg/kg	
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)	or-rat 800mg/kg	
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)	or-rat 836mg/kg	
Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8h)	or-rat 2400mg/kg	
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 (50mg/m3/8h)	or-rat 149.6mg/kg	
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	or-rat 4694mg/kg	
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	NA	N/A	
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8h)	or-rat >2000mg/kg	
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-8	NA	or-rat 4750mg/kg	
p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg	
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg	
Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	NA	or-rat 1390mg/kg	
1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg	
1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	NA	or-rat 5g/kg	
1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	NA	or-rat 5000mg/kg	
1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8h)	or-rat 5g/kg	
m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	NA	N/A	
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	NA	or-rat 2240mg/kg	
sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg	
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	80 ppm (250mg/m3/8h)	or-rat 3900mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	NA	or-rat 2100mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	NA	or-rat 1065mg/kg	
3-Dichlorobenzene																	

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., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=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-Dichloroethane	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-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
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-3-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	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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 shield
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.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

Solvent(s): **Lot#**
Methanol EC592-US

Expiration Date: **032925**

Recommended Storage: **Refrigerate (4 °C)**

Nominal Concentration (µg/mL): **Varied**

NIST Test ID#: **6UTB**

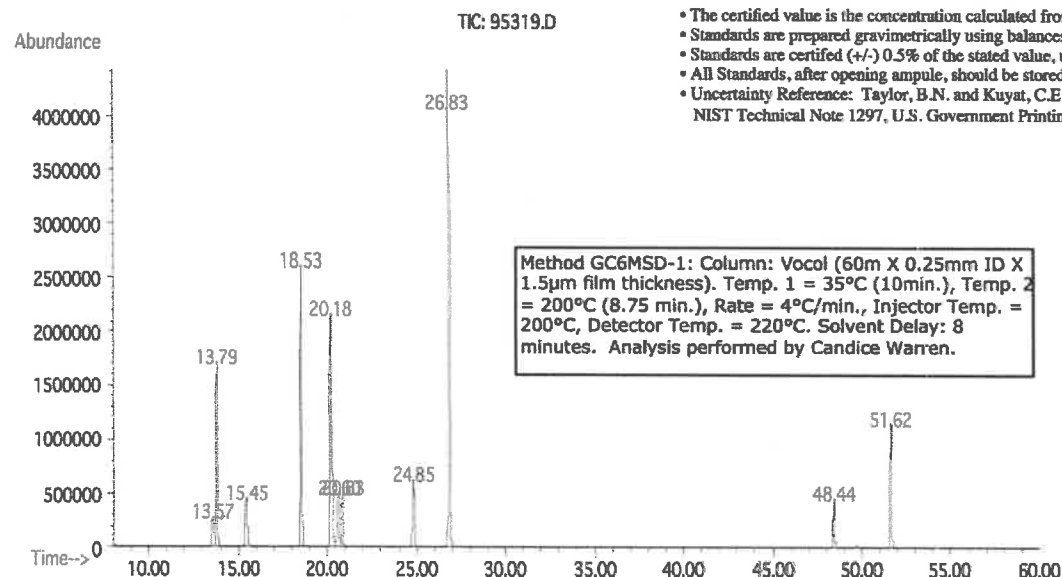
5E-05 Balance Uncertainty

0.012 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **100.0**

		032922
Formulated By:	Prashant Chauhan	DATE
		032922
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. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-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	ori-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)	ori-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)	ori-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)	ori-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)	ori-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	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-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)	ori-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	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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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 Rosotto 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 shield
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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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

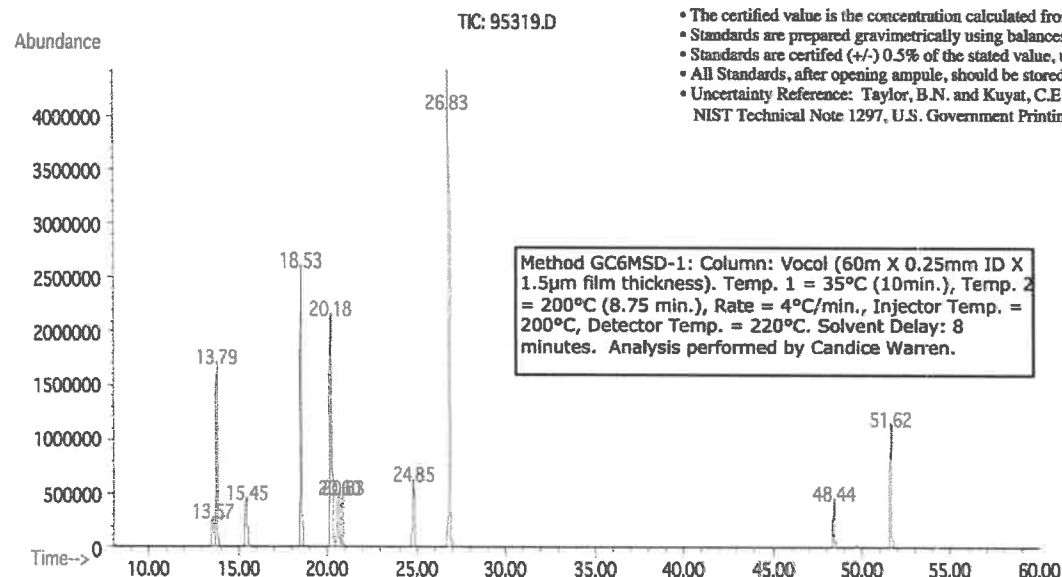
Part Number: **95319**
Lot Number: **032922**
Description: **Revised Additions Mix**
11 components

Solvent(s): **Lot#**
Methanol EC592-US

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**

		032922
Formulated By:	Prashant Chauhan	DATE
		032922
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. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-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	ori-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)	ori-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)	ori-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)	ori-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)	ori-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	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-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)	ori-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	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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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 Rosotto 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 shield
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 (H ₂ O = 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)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	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

Dec 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**

Solvent(s):
Water
Lot# 072324Q

V14 650-54

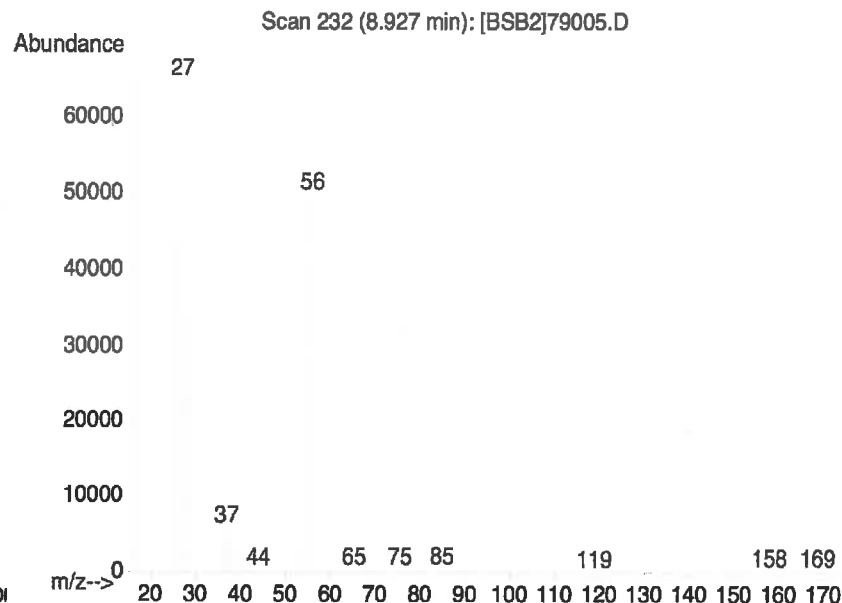
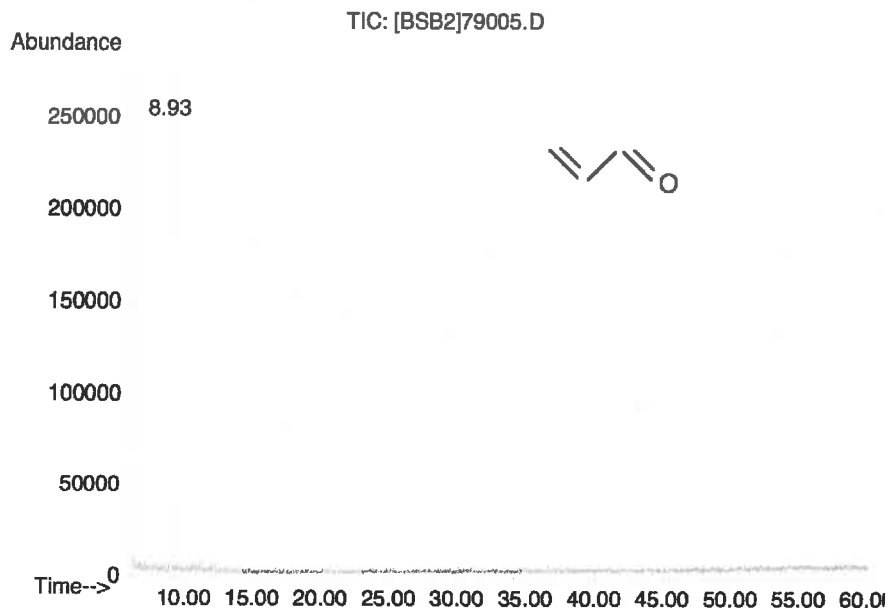
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By: <i>Prashant Chauhan</i>	120524
Reviewed By: <i>Pedro L. Rentas</i>	120524

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	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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 Rossetto 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 shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 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 (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **120524**
Description: **Acrolein**

Solvent(s):
Water
Lot# 072324Q

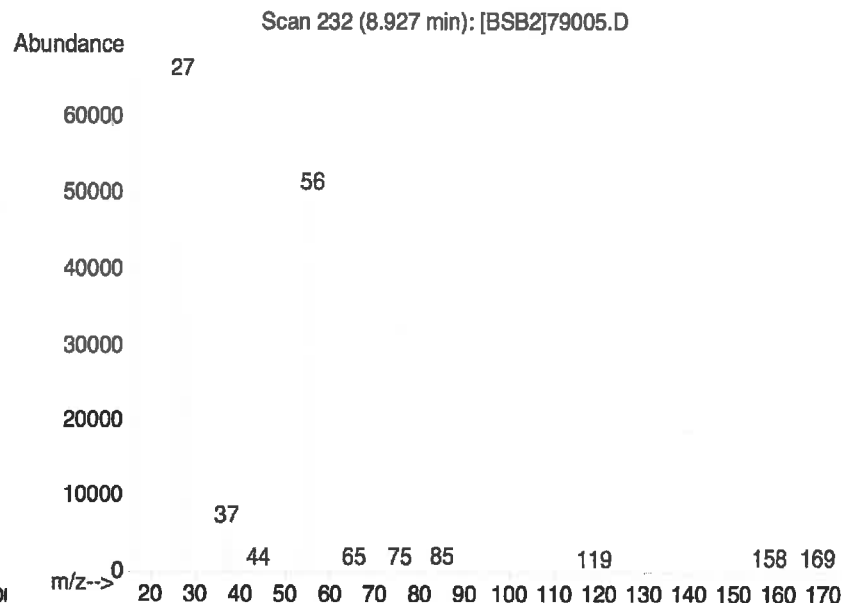
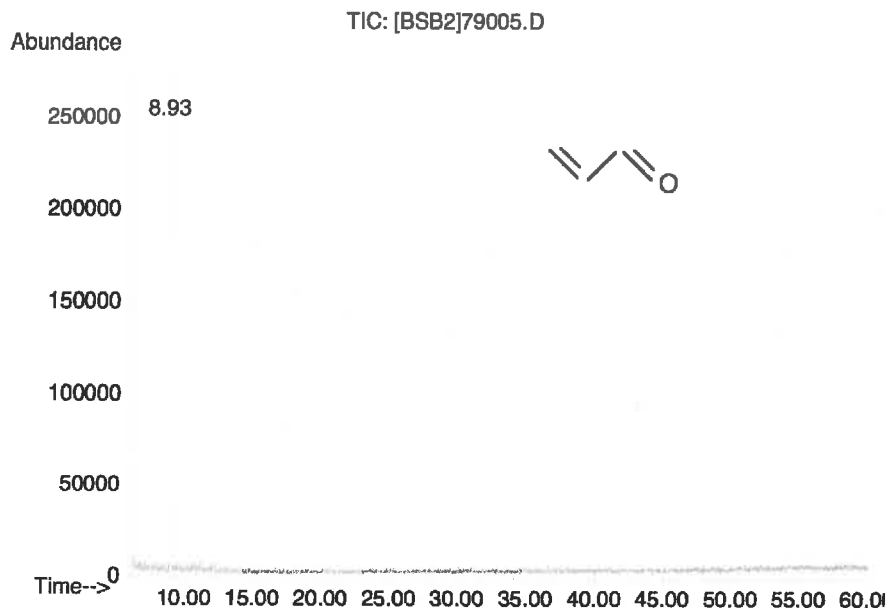
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		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. Acrolein	5	103755R02H	5000	97	0.5	0.10307	0.10320	5006.1	51.8	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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 Rossetto 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 shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 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.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	Eye protection.	

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	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

Dec 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**

Solvent(s):
Water
Lot# 072324Q

V14 650-54

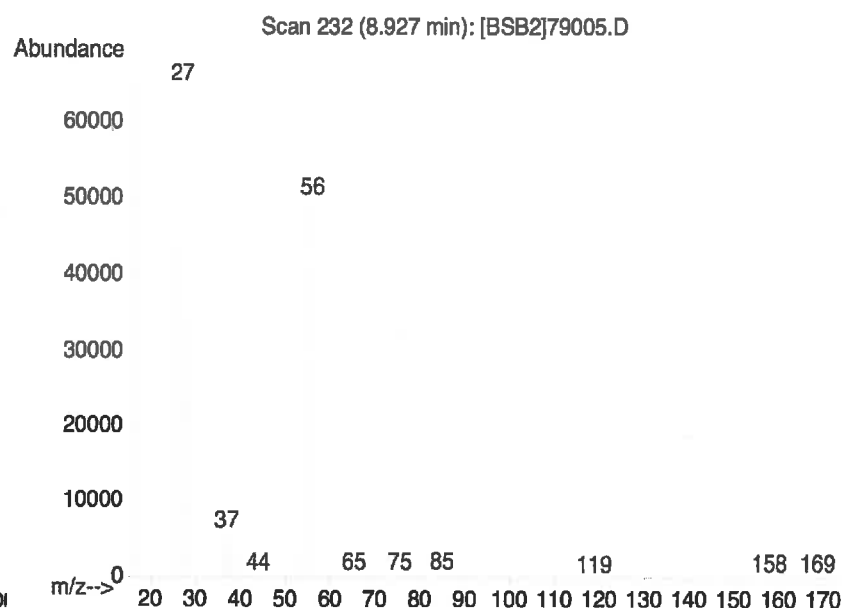
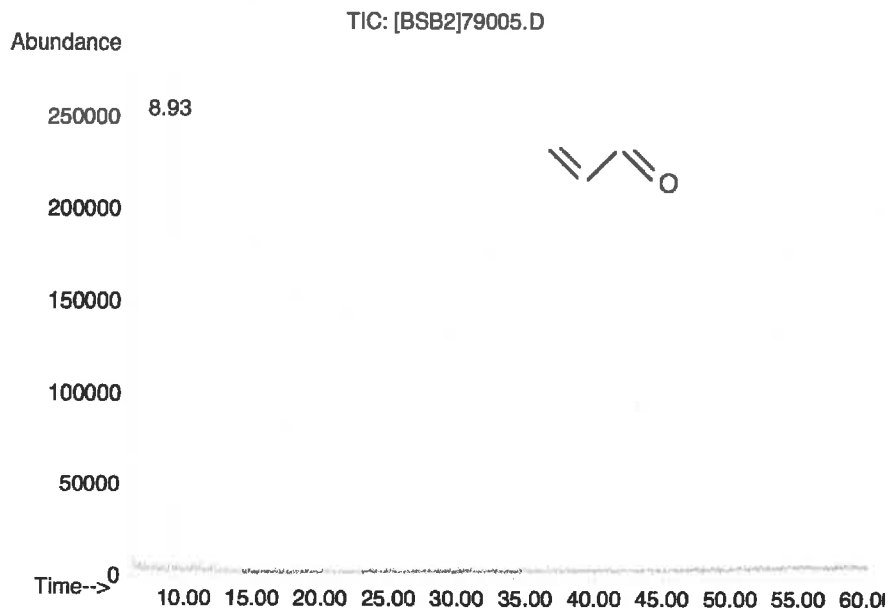
Expiration Date: 010525
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Balance Uncertainty
0.002 Flask Uncertainty

Formulated By: <i>Prashant Chauhan</i>	120524
Reviewed By: <i>Pedro L. Rentas</i>	120524

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	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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 Rossetto 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 shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 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 (H ₂ O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible		NA
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

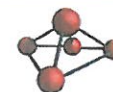
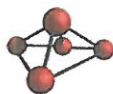
DOT (US)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **121321**
Description: **2-Chloroethyl vinyl ether**

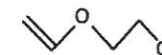
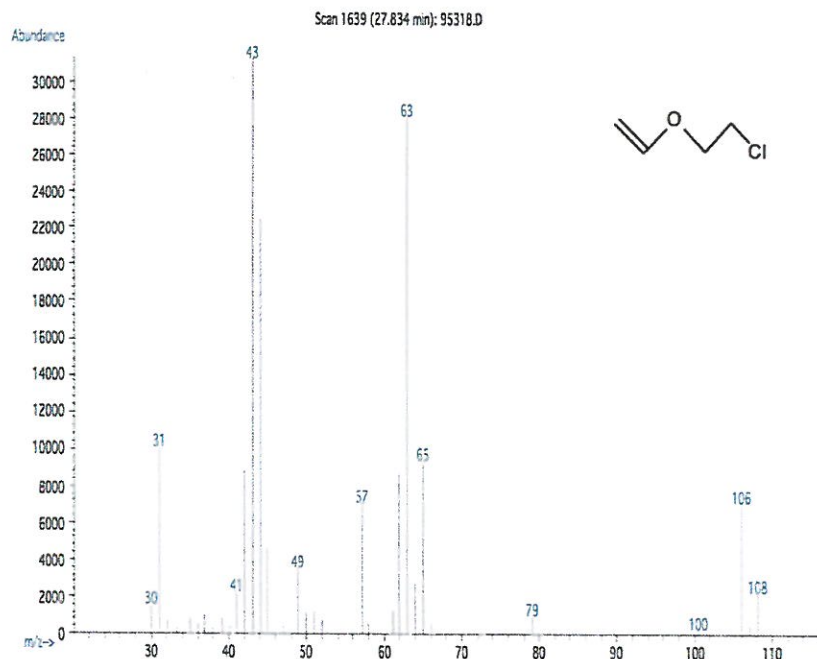
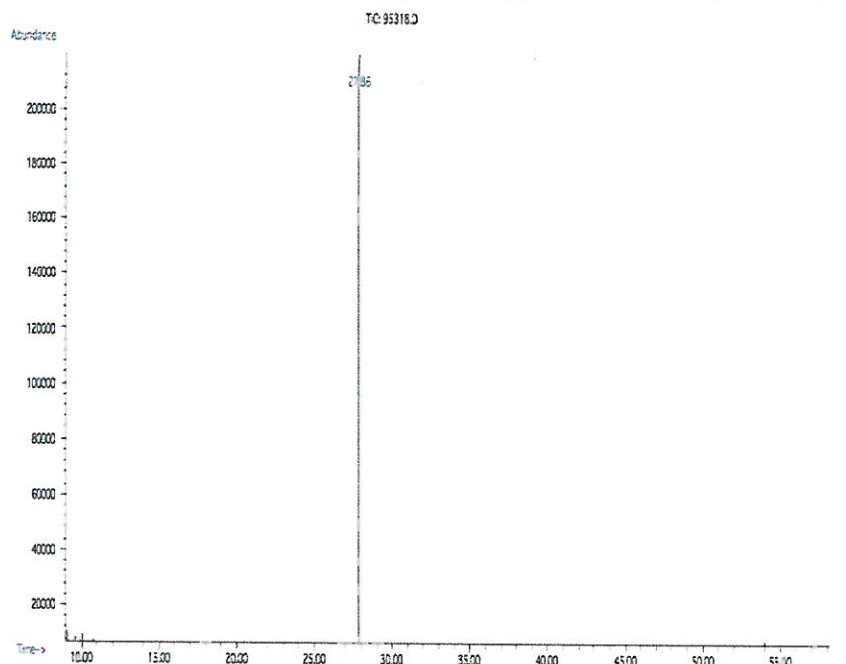
Solvent(s): **Methanol**
Lot#: **EA899-US**

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

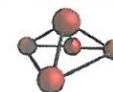
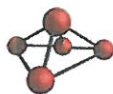
Expiration Date: **121324**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**
Weight(s) shown below were combined and diluted to (mL): **30.0**
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

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. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	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 certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **121321**
Description: **2-Chloroethyl vinyl ether**

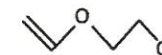
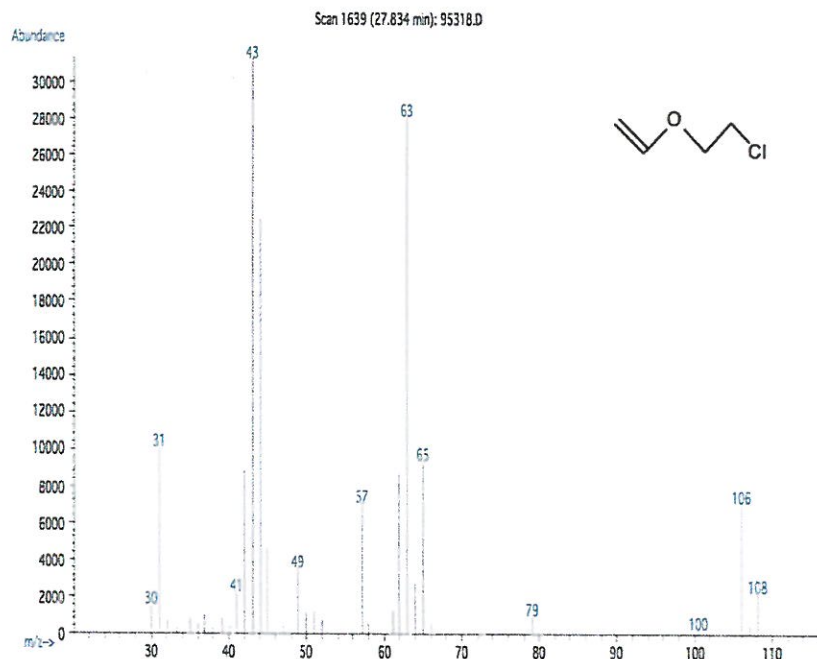
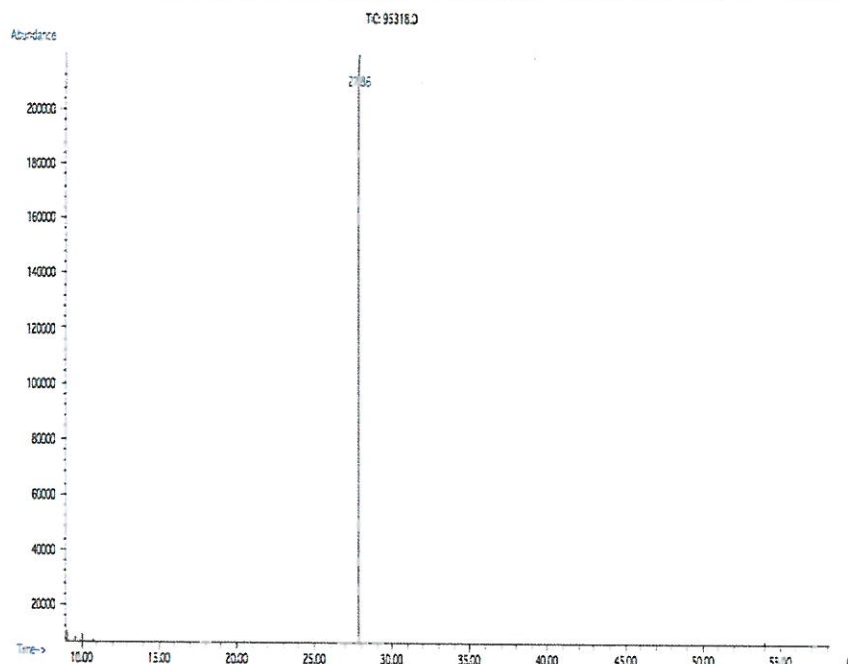
Solvent(s): **Methanol**
Lot#: **EA899-US**

		121321
Formulated By:	Benson Chan	DATE
		121321
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: **121324**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**
Weight(s) shown below were combined and diluted to (mL): **30.0**
5E-05 Balance Uncertainty
0.0003 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. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.30320	0.30411	10030.2	40.7	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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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	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:

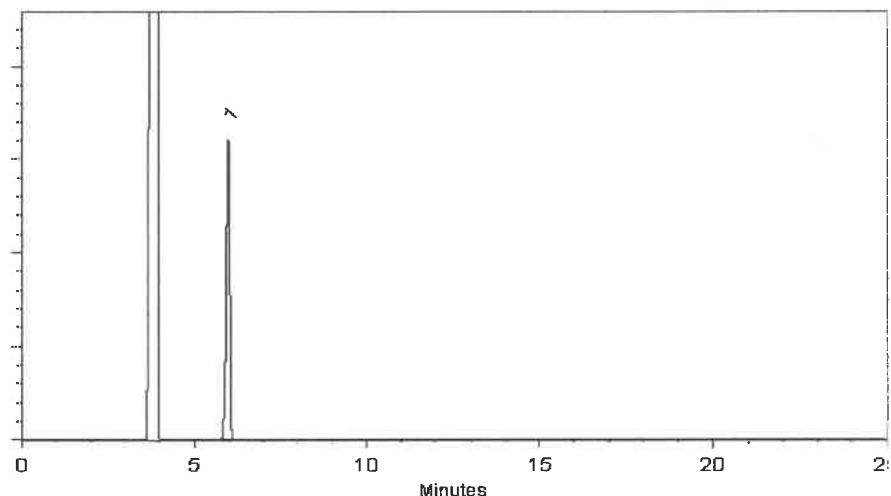
200°C

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

Marlene 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

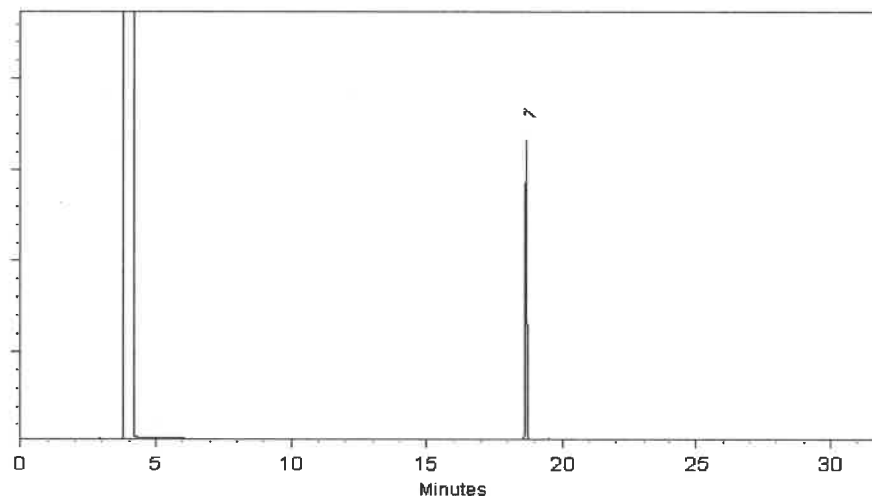
FID

Split Vent:

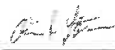
40 ml/min

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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:

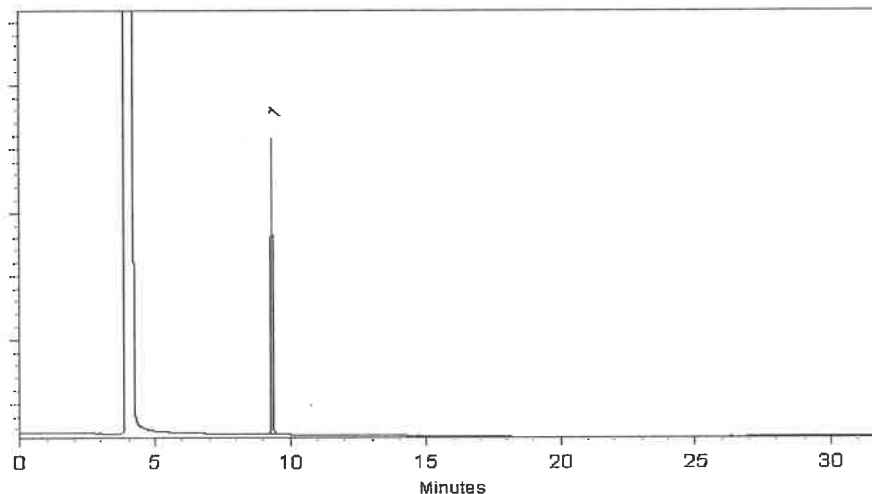
FID

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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:

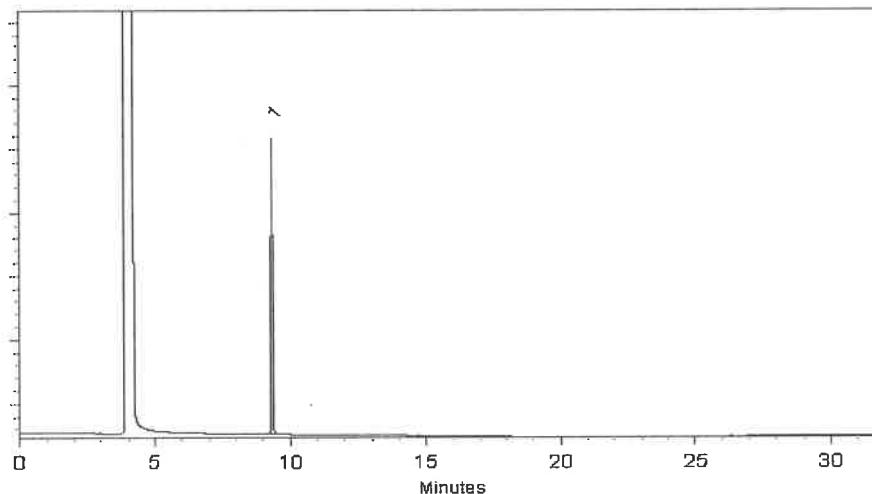
FID

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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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:

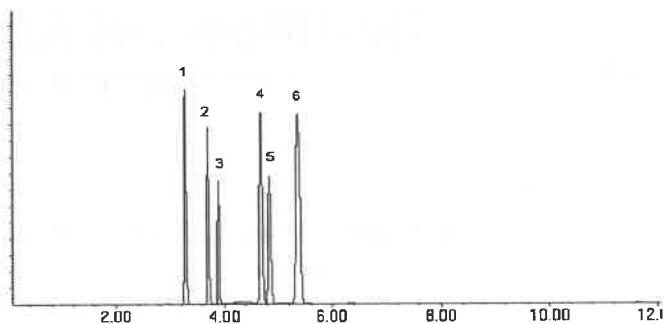
MSD

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

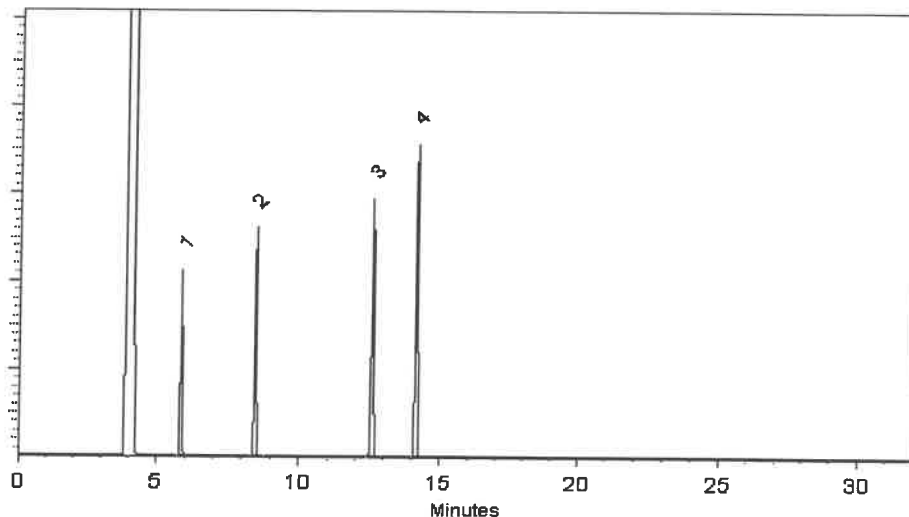
FID

Split Vent:

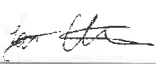
40 ml/min

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

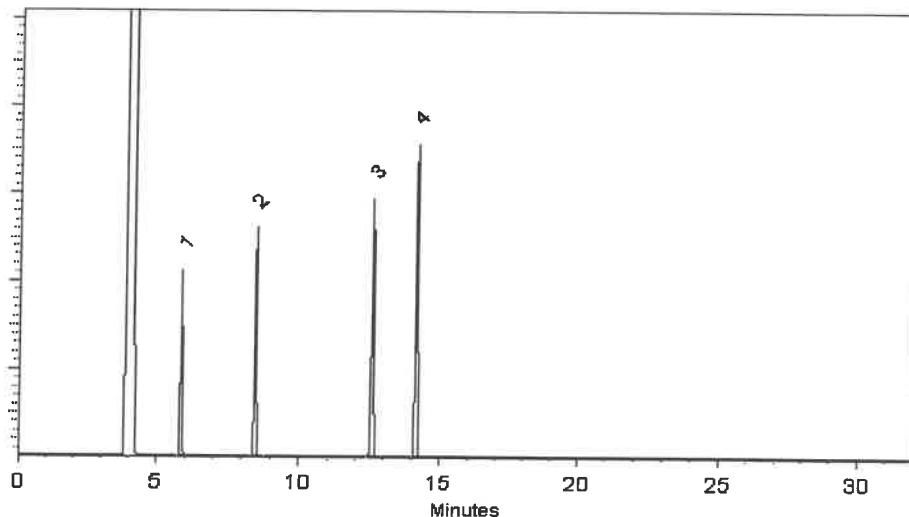
FID

Split Vent:

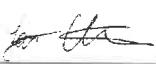
40 ml/min

Inj. Vol

1µl



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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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

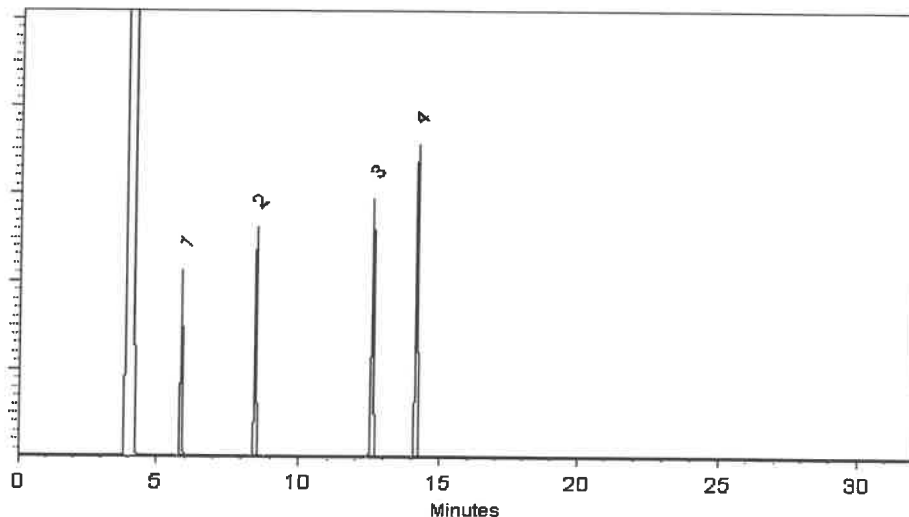
FID

Split Vent:

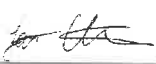
40 ml/min

Inj. Vol

1µl



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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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 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:

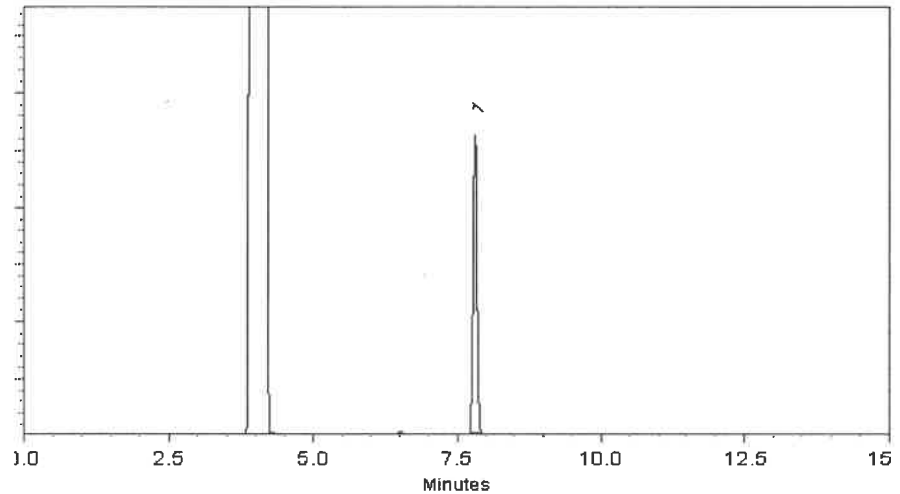
FID

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

APPROVED
By: Jennifer Pollino (Date: 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.
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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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12
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0205179
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	8,075.2 µg/mL	+/- 279.1159

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

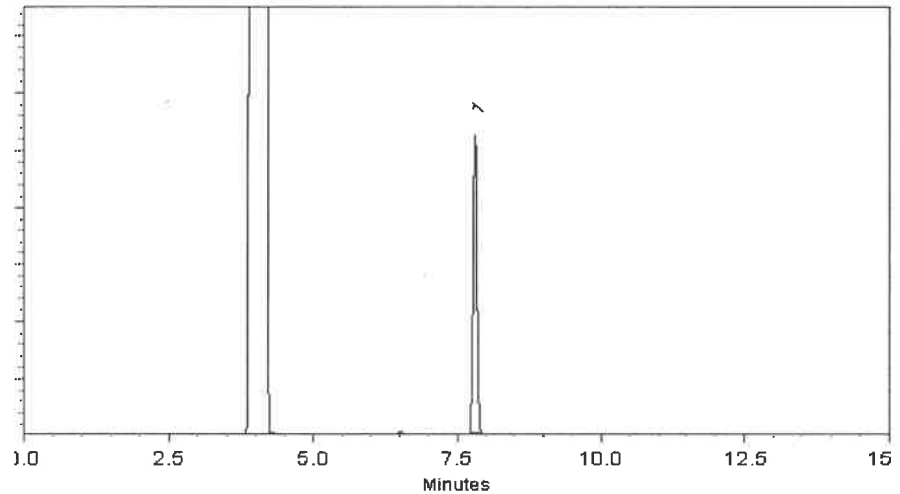
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023

Balance Serial # 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED
By: Jennifer Pollino (Date: 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

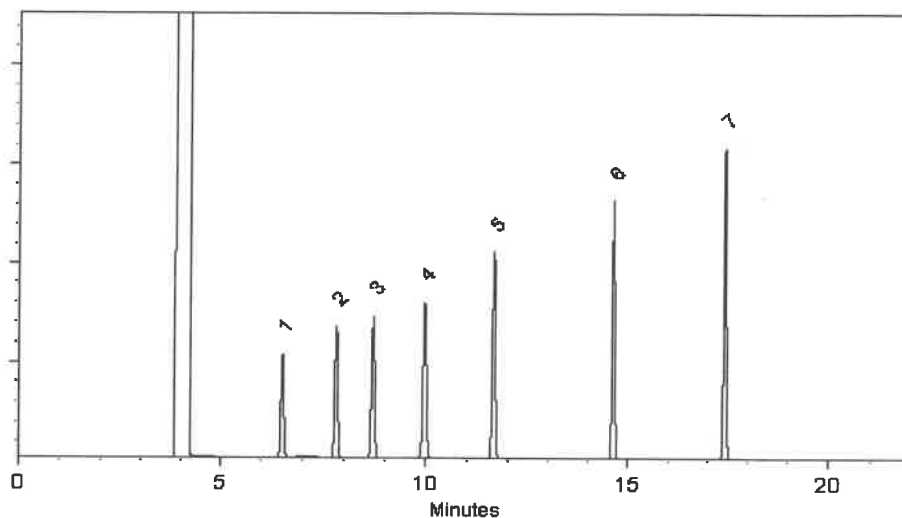
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

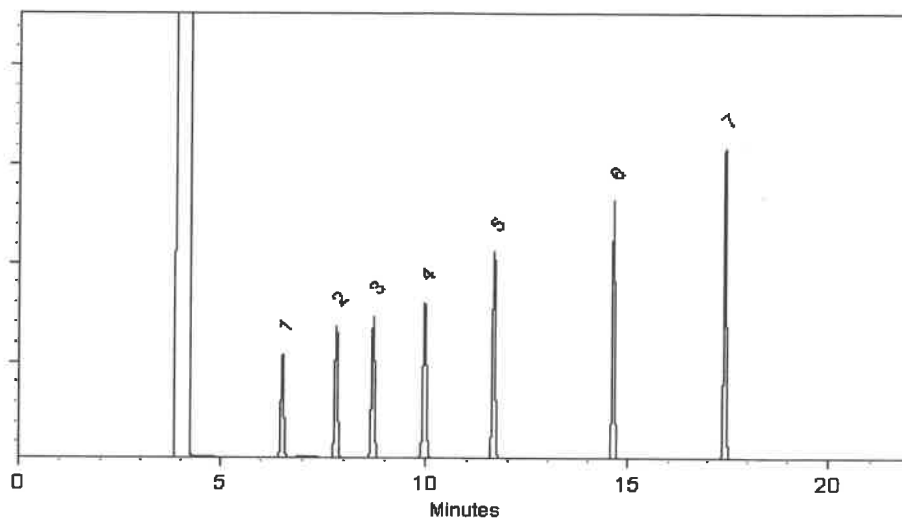
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

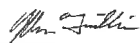
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of SDS per April 16, 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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Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



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 ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration 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

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



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 ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
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Titration 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

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



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 ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration 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

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



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 ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (µeq/g)	≤ 0.3	0.2
Titration 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

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

P5117



Weston COC ID
Weston_20241204

Chain of Custody Record/Lab Work Request

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):	21	Lab Phone:	908-728-3144
Lab Address:	284 Sheffield Street Mountainside, NJ 07092		

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

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 property preserved?	Y	N
Received within holding times?	Y	N
Discrepancies between sample labels and COC record?	Y	N

Analyses Requested:	pH by EPA 8045D	TAL Metals by EPA 6020B/7471B	TOC by 9060A	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 9012E	PCB by EPA 8082A	Ignitability by EPA 1030
	Container Type:	Glass	Glass	Glass	Encore	Glass	Glass	Glass	Glass	Glass	Glass	Glass
	Container Size:	8 oz	8 oz	8 oz	25g	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	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6	Ice to 0-6

#	Sample ID	G/C	Matrix	# Cont	MS/MSD	Date Collected	Time Collected	Special Instructions/Comments											
1	TAPIAL3-SB04I-10-120324-00-T1	g	SB	12	no	12/3/2024	14:00	X	X	X									
2	TAPIAL2-IDW-Soil-120424-00-T2	g	DS	7	no	12/4/2024	13:00	X			X	X	X	X	X	X	X	X	Make expedited 7 day TAT
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Shipping Airbill Number(s): 7704 9457 4944 / 7704 9457 4958		2.3°C		Cooler Number: 1 of 2	
Relinquished By	Date	Time	Received By	Date	Time
See LHM of WCL	12/4/24	1600	[Signature]	12-5-24	1010
Additional Comments					
QSM 6.0 Compliant					
Deliverable Requirements: DoD Level IV report, EnviroData EDD, and ERIS-compatible EDD					



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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 207.100%#	
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 214.360%#	
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 219.380%#	
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 210.480%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l 98
3) Chloromethane	2.354	50	199697	87.235	ug/l 96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l 99
5) Bromomethane	2.912	94	110325	95.681	ug/l 93
6) Chloroethane	3.089	64	129044	93.064	ug/l 98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l 98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l 98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l 99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l 98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l 97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l 97
13) Acrolein	4.171	56	111387	502.422	ug/l 96
14) Allyl chloride	5.012	41	324148	103.788	ug/l 99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l 100
16) Acetone	4.424	43	399104	551.165	ug/l 98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l 97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l 100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l 99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l 96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l 92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l 98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l 99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l 98
25) 2-Butanone	7.477	43	596036	503.469	ug/l 99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l 100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l 97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l 97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l 99
30) Chloroform	7.959	83	390189	97.513	ug/l 98
31) Cyclohexane	8.253	56	318957	96.305	ug/l 96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l 98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l 99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l 100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l 97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l 97
40) Benzene	8.600	78	857333	105.783	ug/l 100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026	ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986	ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891	ug/l	98
44) Trichloroethene	9.347	130	197483	104.851	ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586	ug/l	99
46) Dibromomethane	9.706	93	144116	103.900	ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641	ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847	ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783	ug/l	98
52) Toluene	10.630	92	522980	109.001	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602	ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883	ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530	ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314	ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249	ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624	ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032	ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459	ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113	ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116	ug/l	100
69) o-Xylene	12.394	106	353441	110.070	ug/l	99
70) Styrene	12.406	104	601271	112.600	ug/l	100
71) Bromoform	12.576	173	148879	104.234	ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216	ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	344237	155.169	ug/l	49
77) Bromobenzene	12.976	156	215866	95.881	ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753	ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513	ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811	ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040	ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777	ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361	ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120	ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107	ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405	ug/l	99
95) Naphthalene	15.641	128	685964	104.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

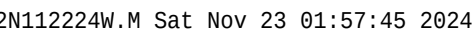
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MSVOA_N
ClientSampleId :
VSTDICC100

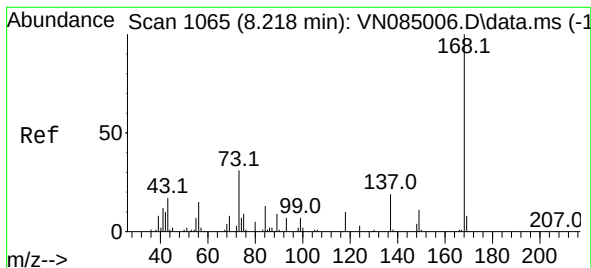
Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 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: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

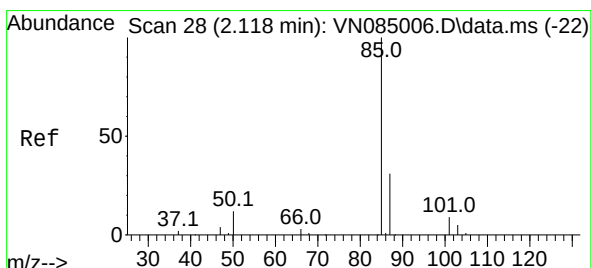
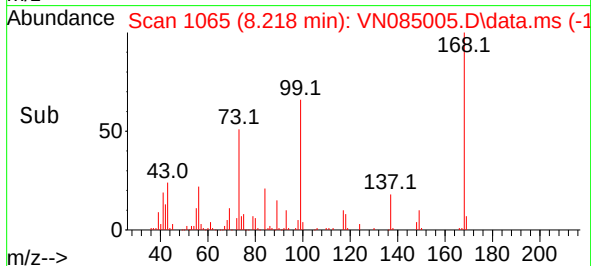
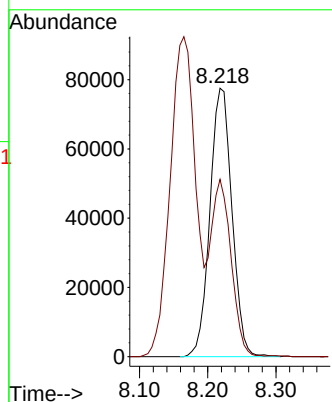
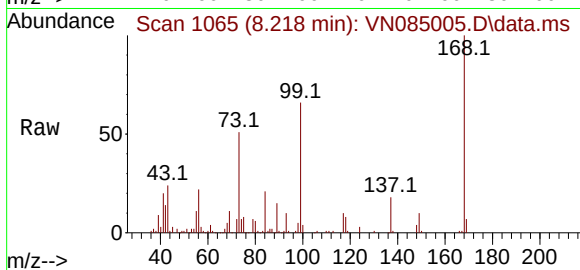
VSTDIC100

Tgt Ion:168 Resp: 174548

Ion Ratio Lower Upper

168 100

99 65.7 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 102.473 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.006 min

Lab File: VN085005.D

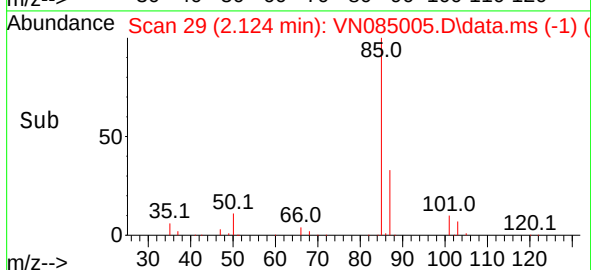
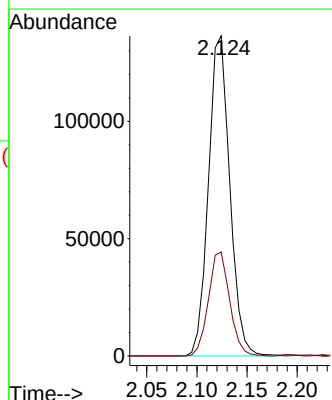
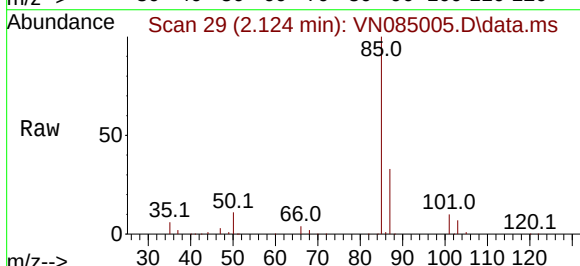
Acq: 22 Nov 2024 11:22

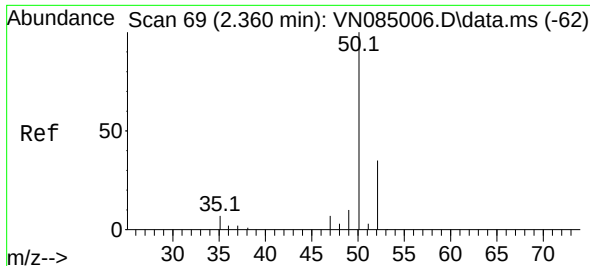
Tgt Ion: 85 Resp: 202252

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1

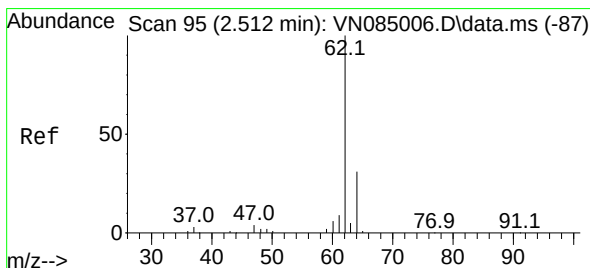
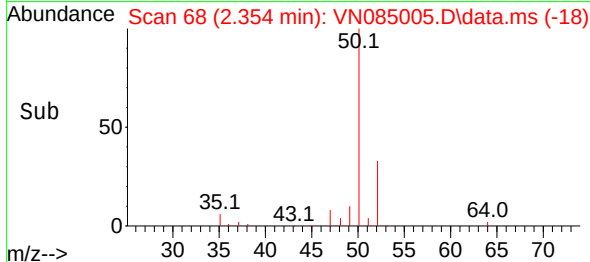
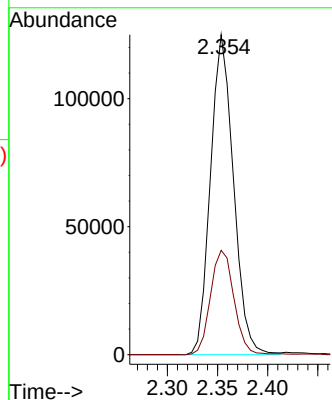
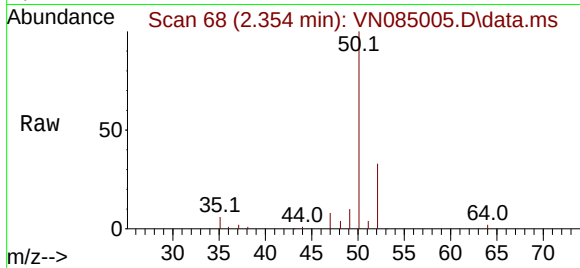




#3
Chloromethane
Concen: 87.235 ug/l
RT: 2.354 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

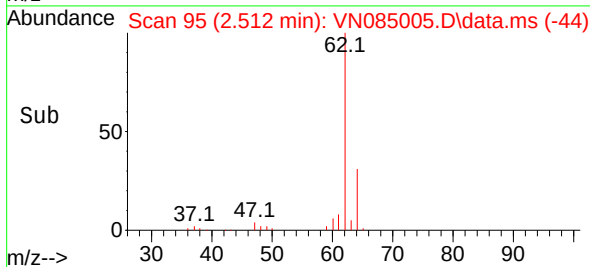
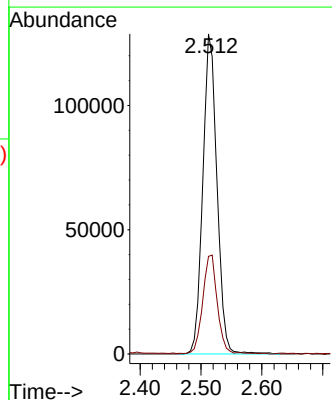
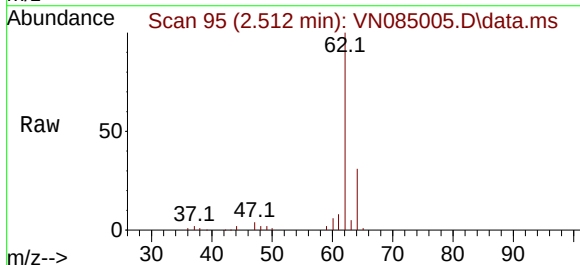
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

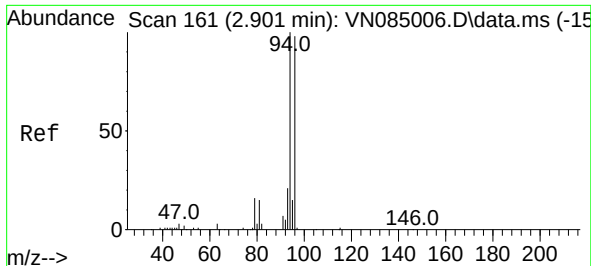
Tgt Ion: 50 Resp: 199697
Ion Ratio Lower Upper
50 100
52 32.6 27.8 41.8



#4
Vinyl Chloride
Concen: 101.241 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 208274
Ion Ratio Lower Upper
62 100
64 30.3 24.6 36.8

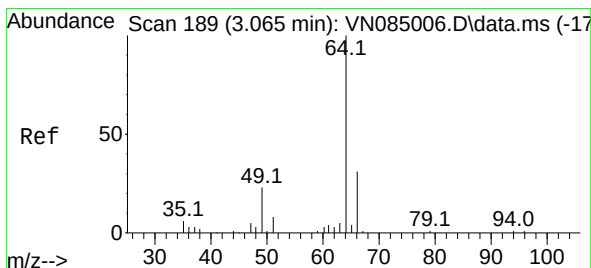
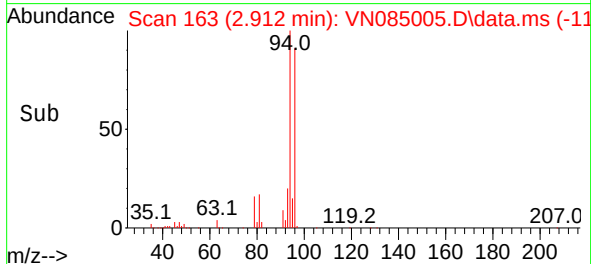
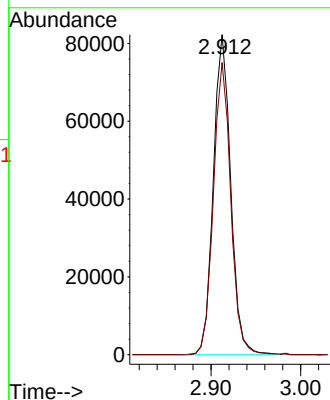
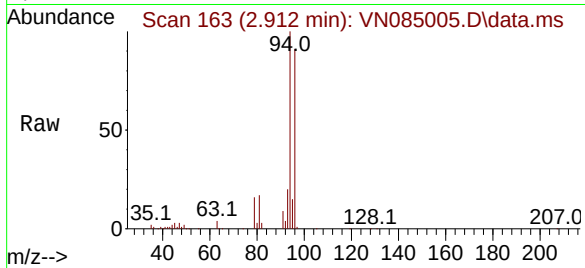




#5
Bromomethane
Concen: 95.681 ug/l
RT: 2.912 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

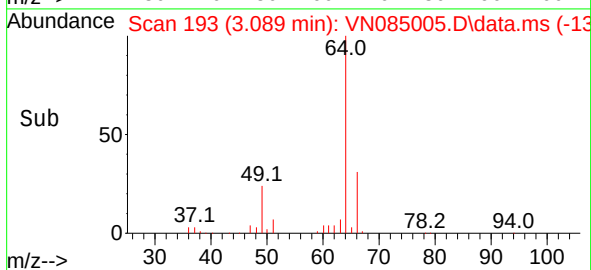
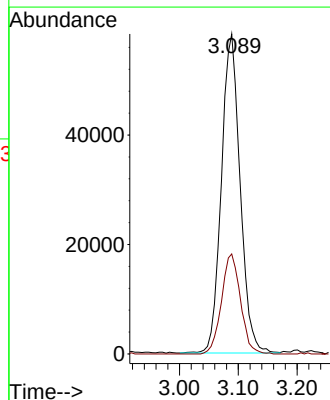
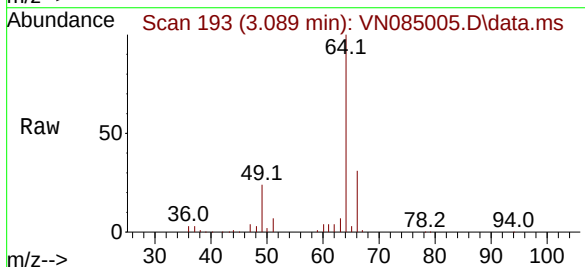
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MSVOA_N
ClientSampleId :
VSTDIC100

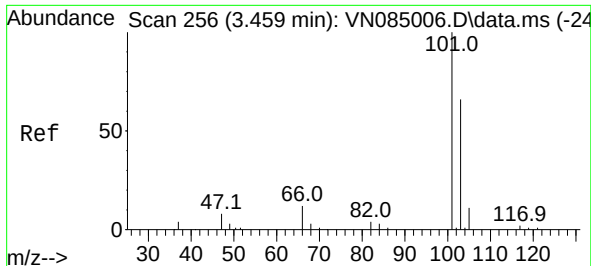
Tgt Ion: 94 Resp: 110325
Ion Ratio Lower Upper
94 100
96 91.3 78.7 118.1



#6
Chloroethane
Concen: 93.064 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 129044
Ion Ratio Lower Upper
64 100
66 31.3 24.4 36.6

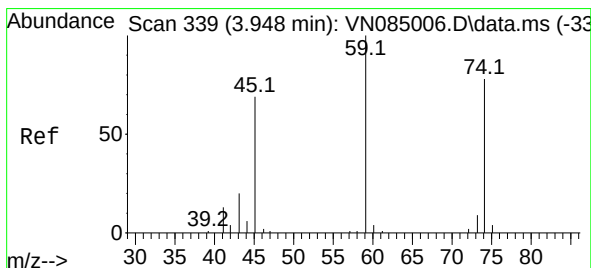
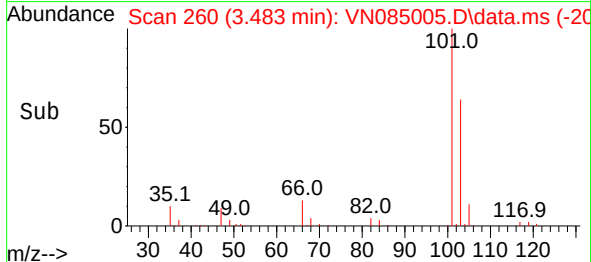
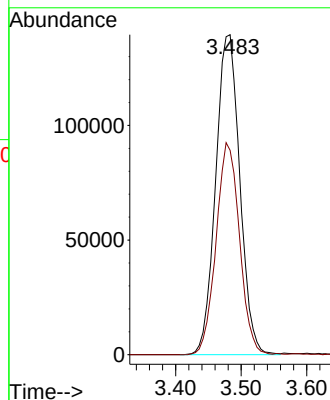
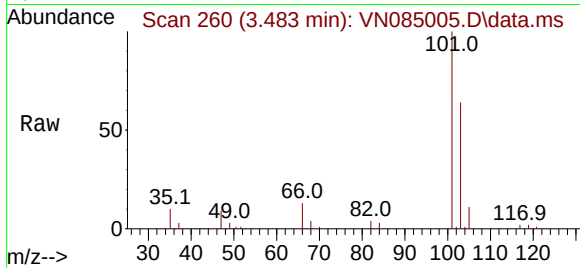




#7
Trichlorofluoromethane
Concen: 101.806 ug/l
RT: 3.483 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

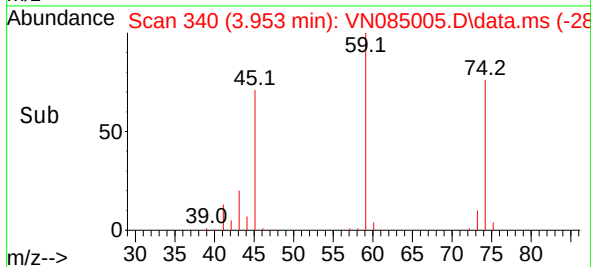
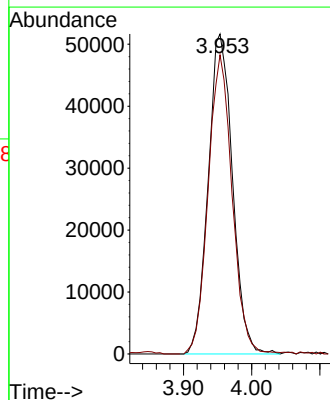
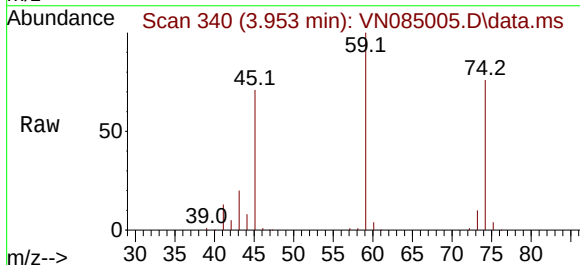
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

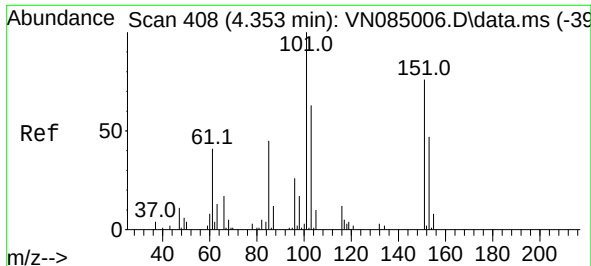
Tgt Ion:101 Resp: 356271
Ion Ratio Lower Upper
101 100
103 63.8 52.6 78.8



#8
Diethyl Ether
Concen: 107.697 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 128277
Ion Ratio Lower Upper
74 100
45 91.9 46.7 140.1

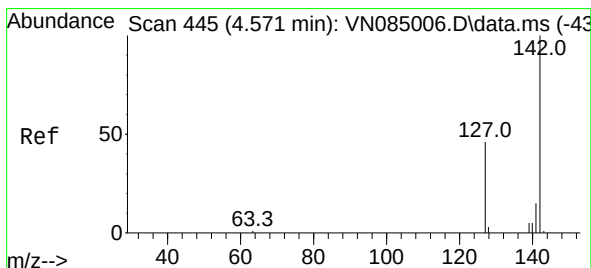
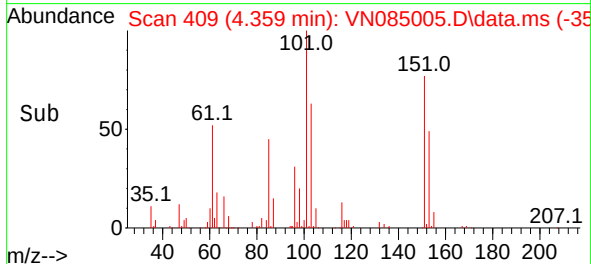
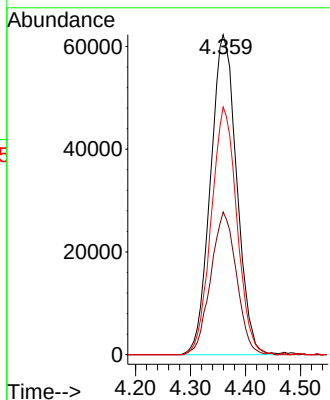
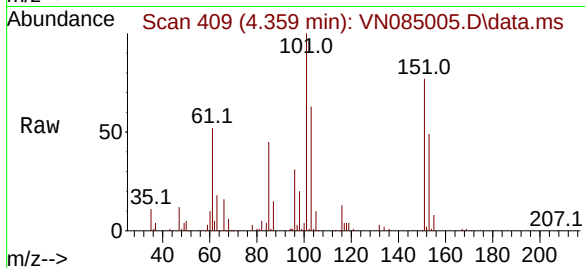




#9
1,1,2-Trichlorotrifluoroethane
Concen: 103.783 ug/l
RT: 4.359 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

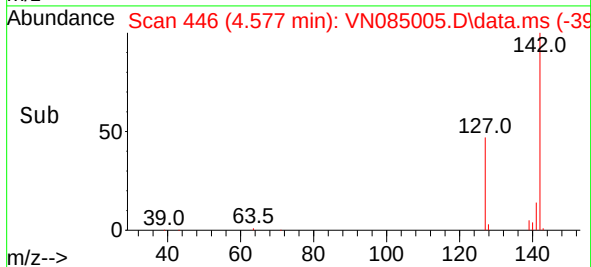
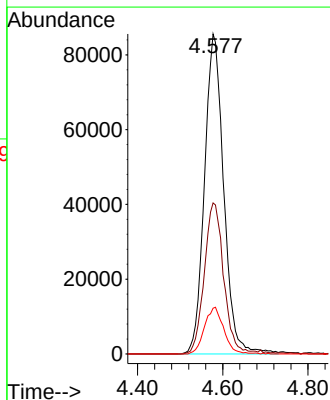
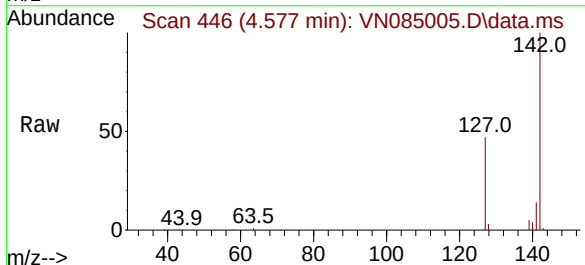
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

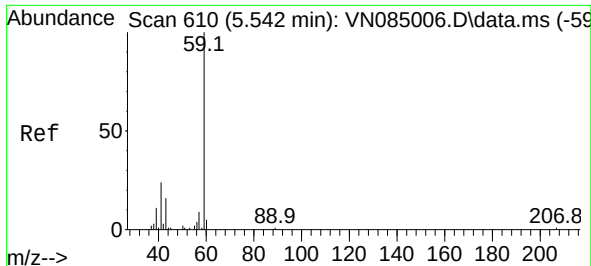
Tgt Ion:101 Resp: 205989
Ion Ratio Lower Upper
101 100
85 44.0 36.9 55.3
151 75.9 60.8 91.2



#10
Methyl Iodide
Concen: 102.212 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 268539
Ion Ratio Lower Upper
142 100
127 47.2 36.6 54.8
141 14.3 12.2 18.4

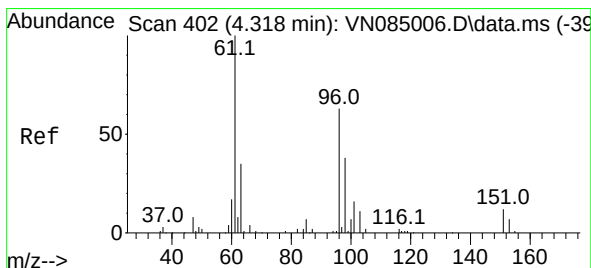
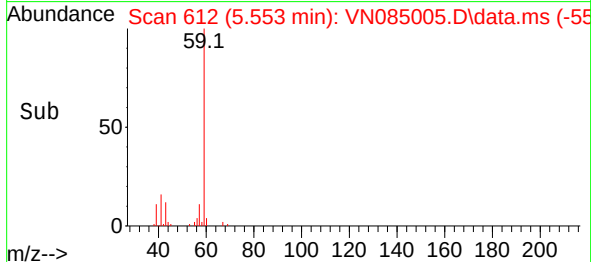
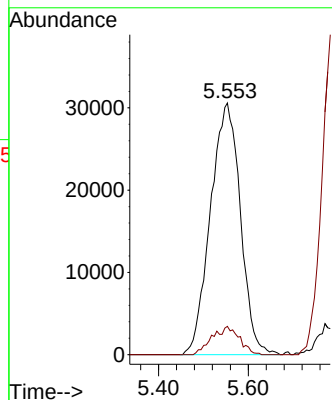
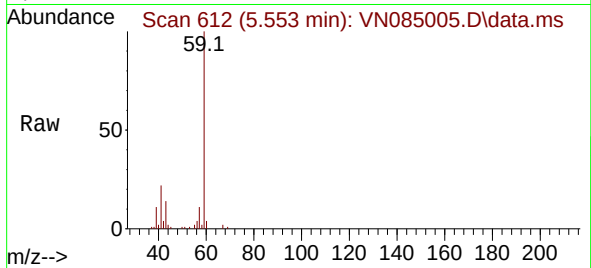




#11
Tert butyl alcohol
Concen: 427.348 ug/l
RT: 5.553 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

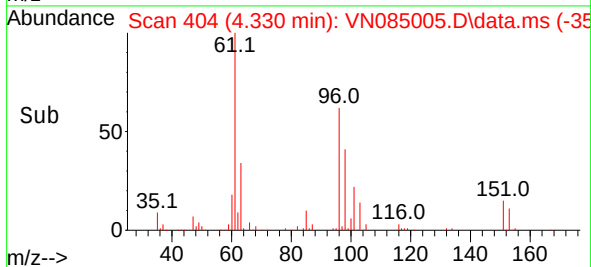
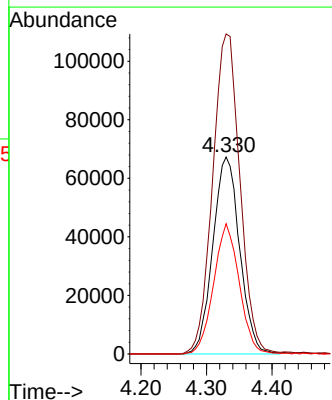
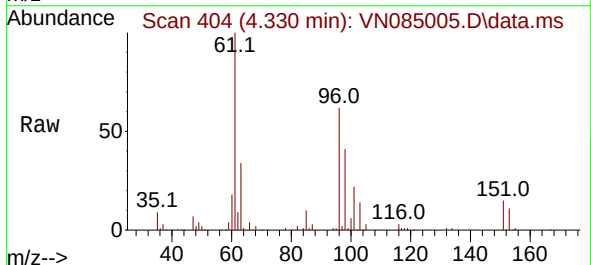
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

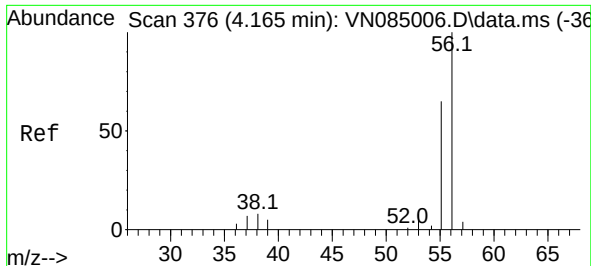
Tgt Ion: 59 Resp: 141986
Ion Ratio Lower Upper
59 100
57 10.2 7.4 11.0



#12
1,1-Dichloroethene
Concen: 103.013 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 190847
Ion Ratio Lower Upper
96 100
61 162.4 127.8 191.8
98 66.1 49.2 73.8





#13

Acrolein

Concen: 502.422 ug/l

RT: 4.171 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

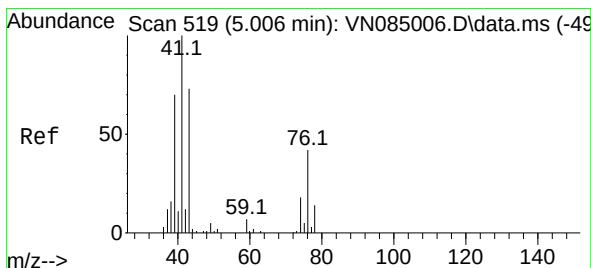
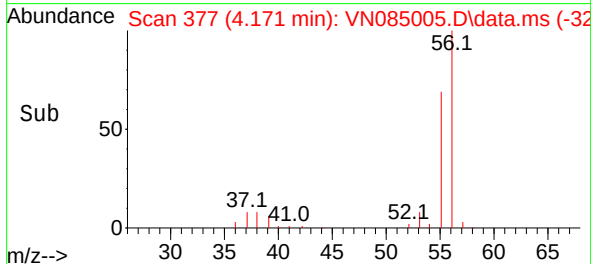
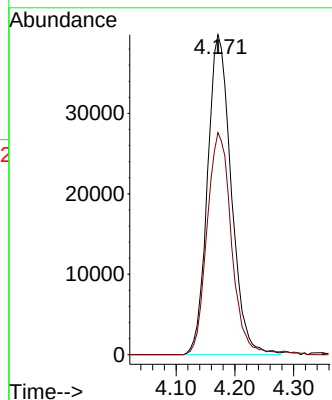
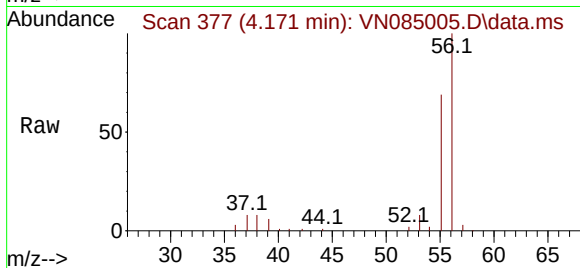
VSTDIC100

Tgt Ion: 56 Resp: 111387

Ion Ratio Lower Upper

56 100

55 71.2 54.5 81.7



#14

Allyl chloride

Concen: 103.788 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

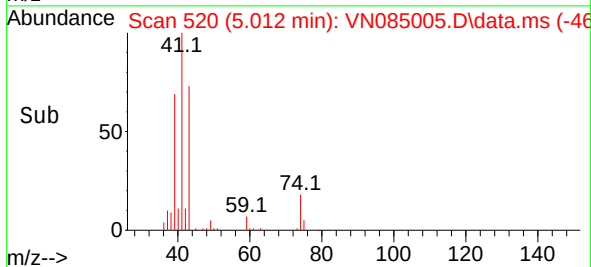
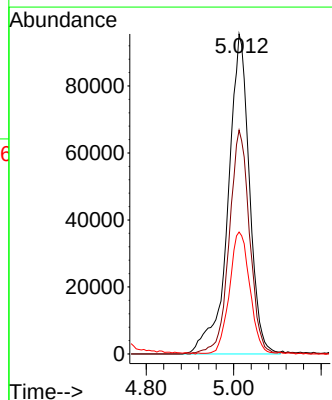
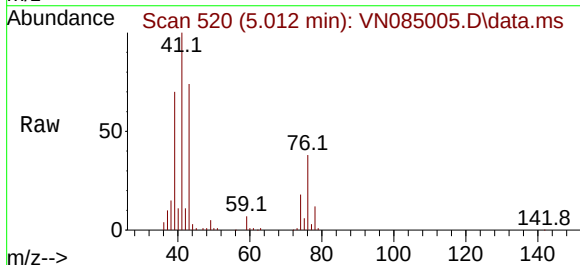
Tgt Ion: 41 Resp: 324148

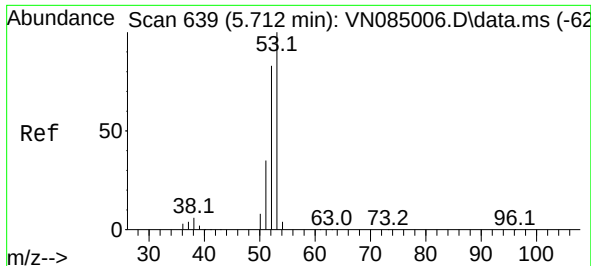
Ion Ratio Lower Upper

41 100

39 66.7 53.8 80.8

76 35.8 29.3 43.9

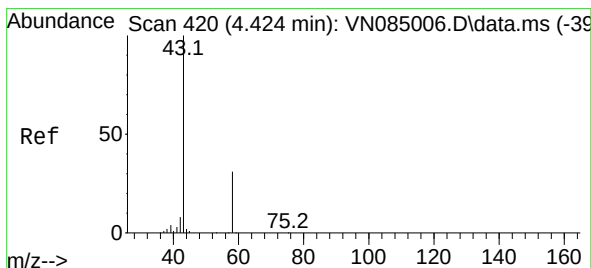
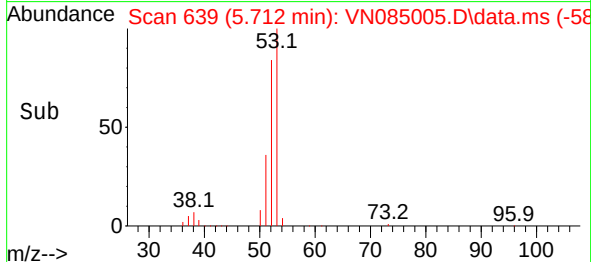
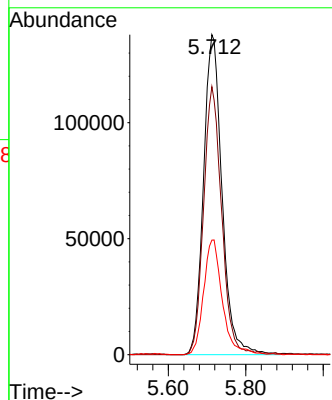
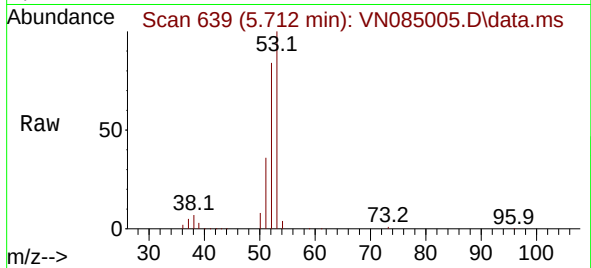




#15
Acrylonitrile
Concen: 485.851 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

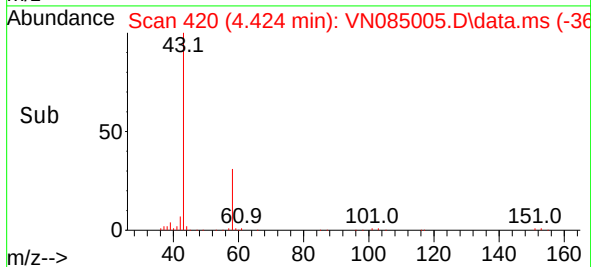
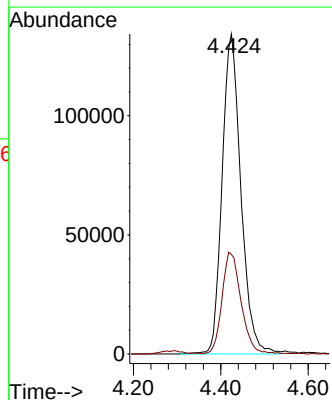
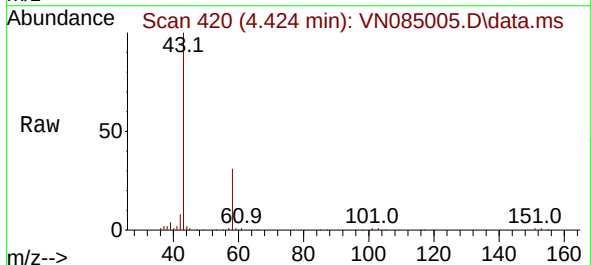
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

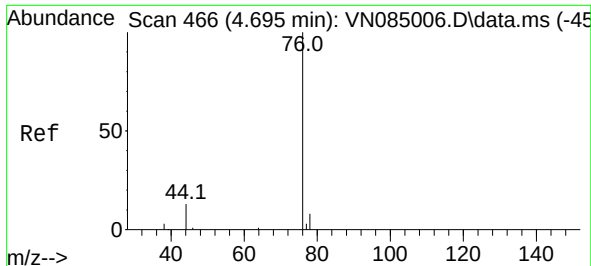
Tgt Ion: 53 Resp: 457016
Ion Ratio Lower Upper
53 100
52 81.8 65.5 98.3
51 36.3 28.4 42.6



#16
Acetone
Concen: 551.165 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 399104
Ion Ratio Lower Upper
43 100
58 30.8 25.4 38.2

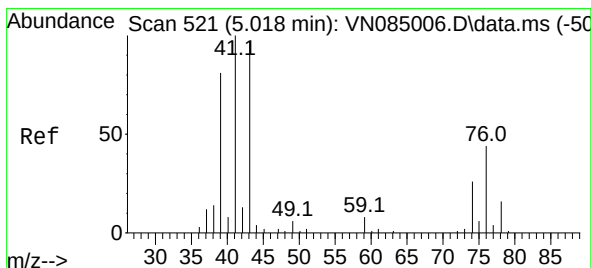
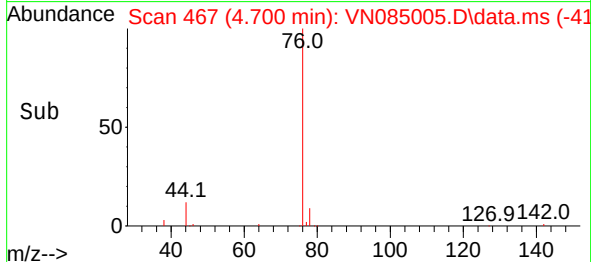
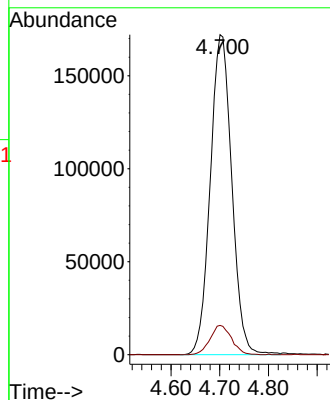
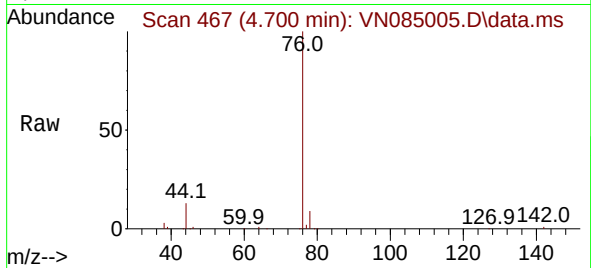




#17
Carbon Disulfide
Concen: 96.448 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

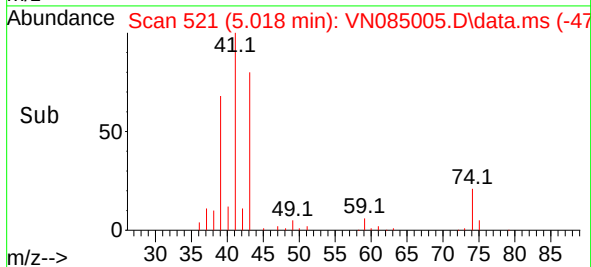
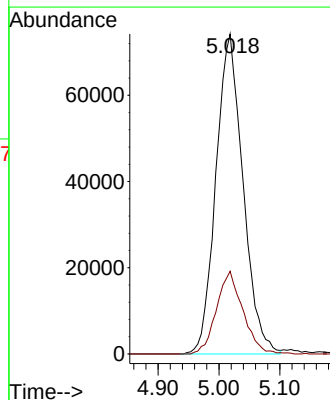
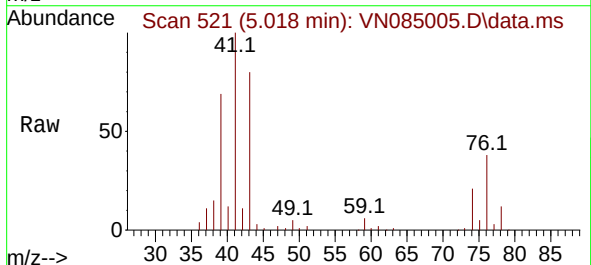
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

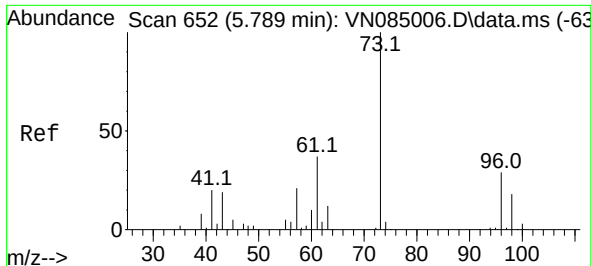
Tgt Ion: 76 Resp: 527408
Ion Ratio Lower Upper
76 100
78 9.2 6.5 9.7



#18
Methyl Acetate
Concen: 100.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 229272
Ion Ratio Lower Upper
43 100
74 25.2 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 107.267 ug/l

RT: 5.789 min Scan# 652

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

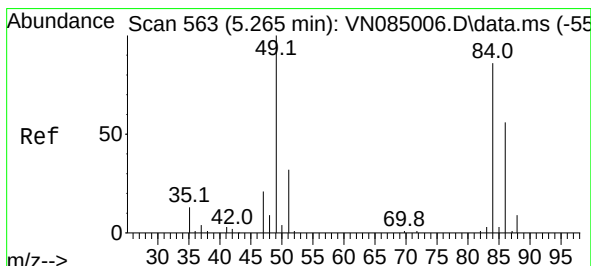
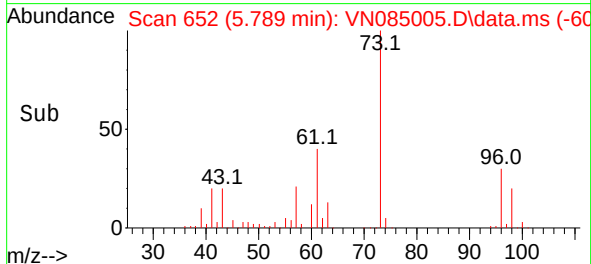
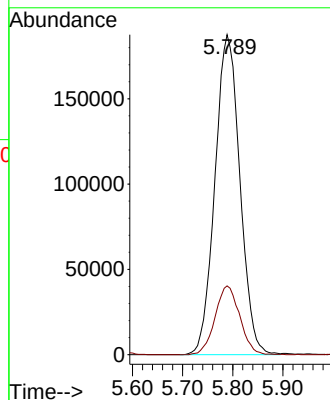
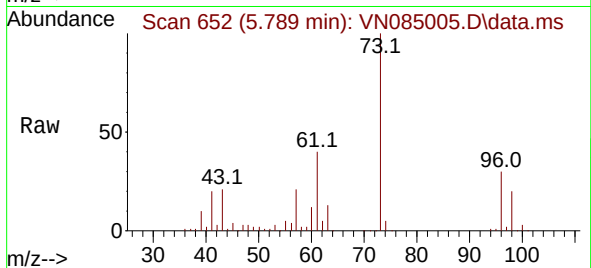
VSTDIC100

Tgt Ion: 73 Resp: 649308

Ion Ratio Lower Upper

73 100

57 21.5 17.0 25.4



#20

Methylene Chloride

Concen: 95.251 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 210468

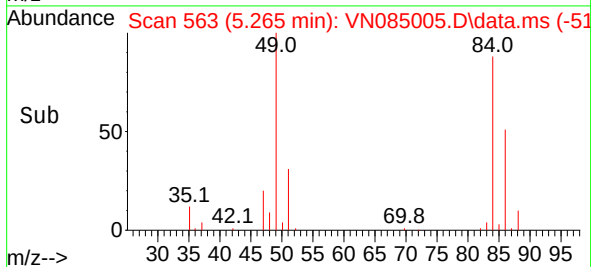
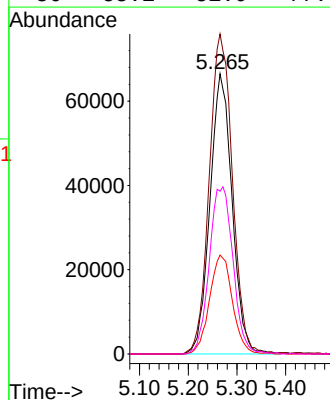
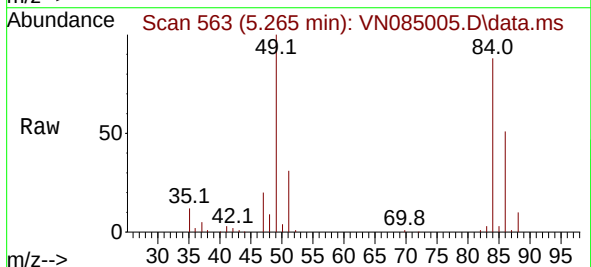
Ion Ratio Lower Upper

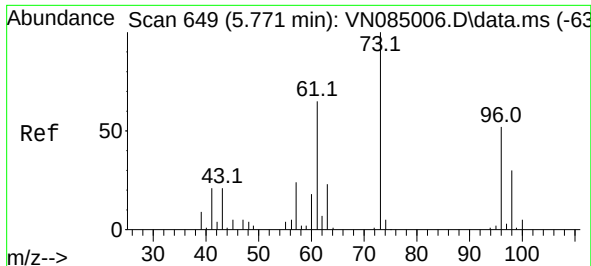
84 100

49 114.2 92.7 139.1

51 35.3 29.4 44.2

86 58.1 51.9 77.9

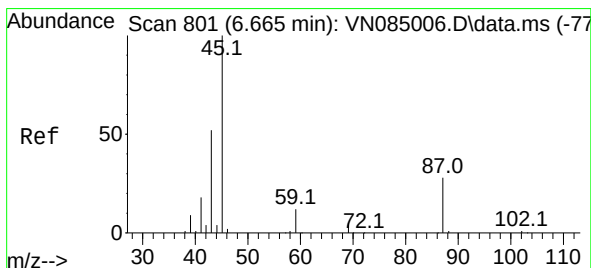
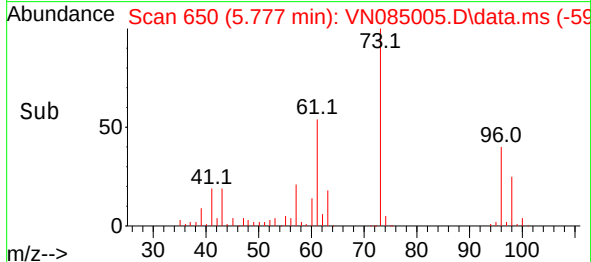
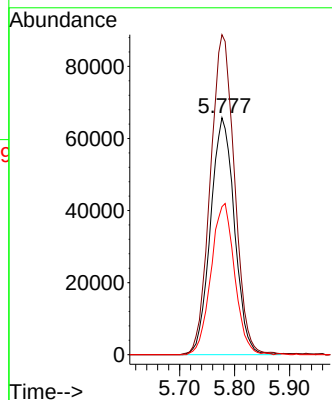
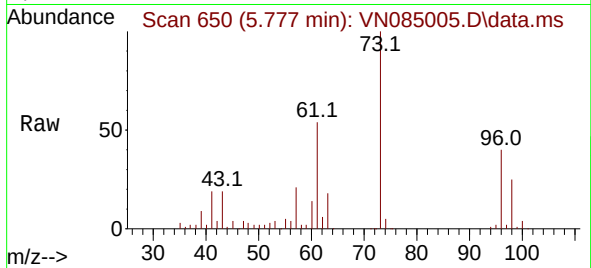




#21
trans-1,2-Dichloroethene
Concen: 102.076 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

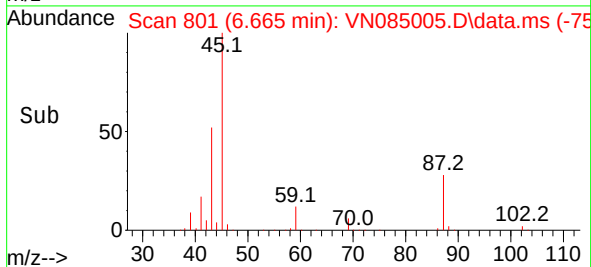
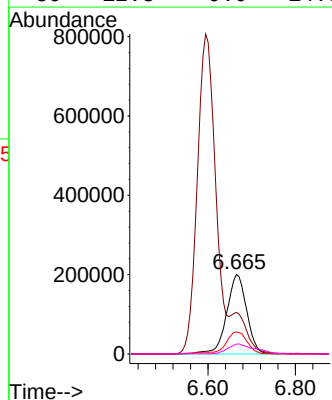
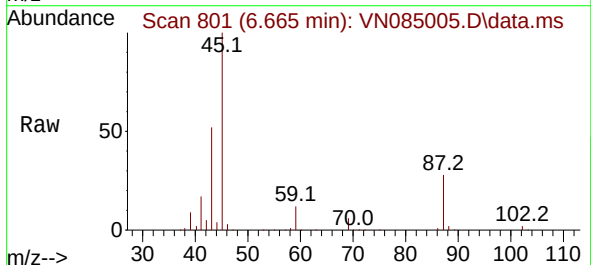
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

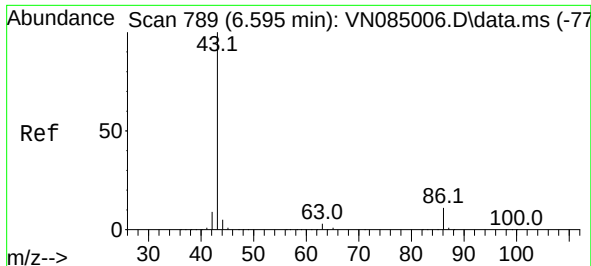
Tgt Ion: 96 Resp: 199008
Ion Ratio Lower Upper
96 100
61 135.1 100.7 151.1
98 62.5 45.8 68.6



#22
Diisopropyl ether
Concen: 100.923 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 634389
Ion Ratio Lower Upper
45 100
43 51.5 42.7 64.1
87 27.3 22.6 34.0
59 12.3 9.9 14.9





#23

Vinyl Acetate

Concen: 541.815 ug/l

RT: 6.595 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

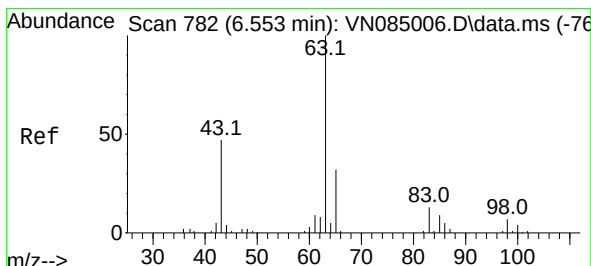
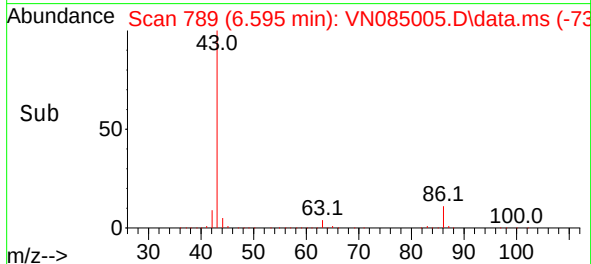
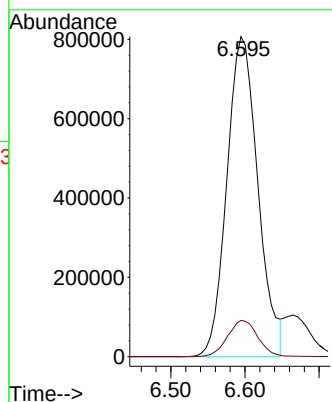
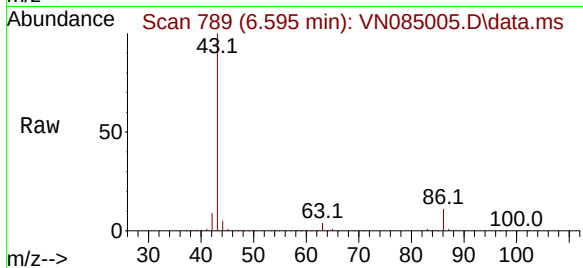
VSTDIC100

Tgt Ion: 43 Resp: 2349580

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3



#24

1,1-Dichloroethane

Concen: 101.270 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.012 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

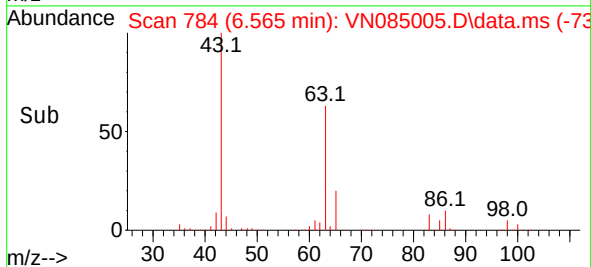
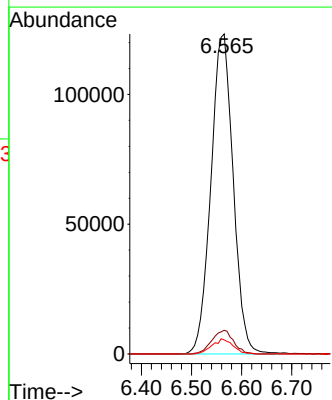
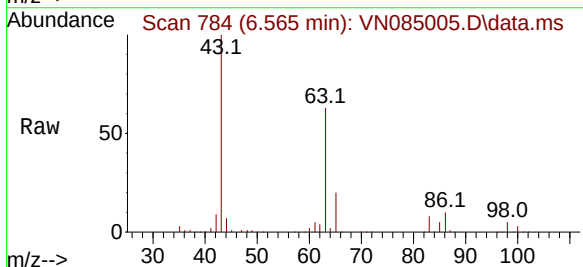
Tgt Ion: 63 Resp: 380941

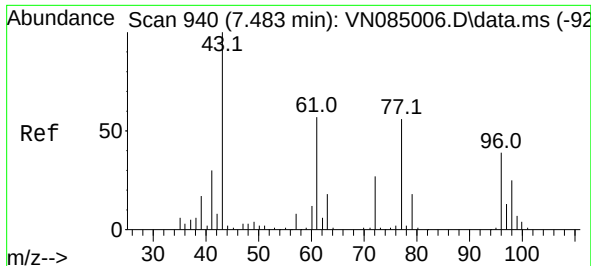
Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 503.469 ug/l

RT: 7.477 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

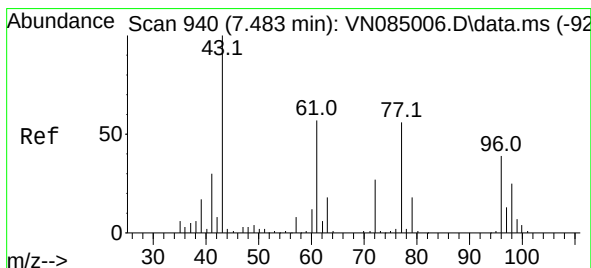
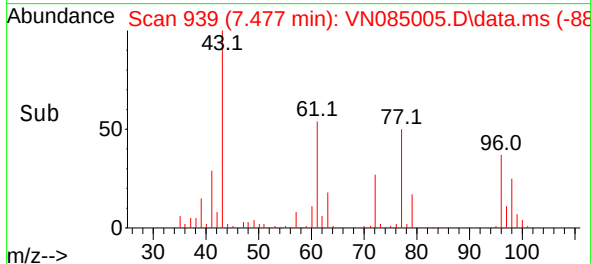
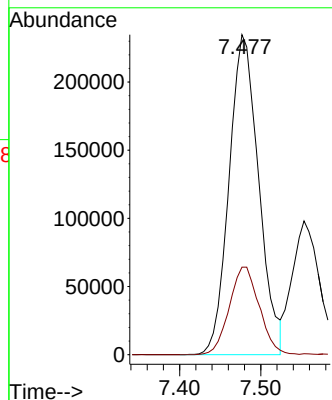
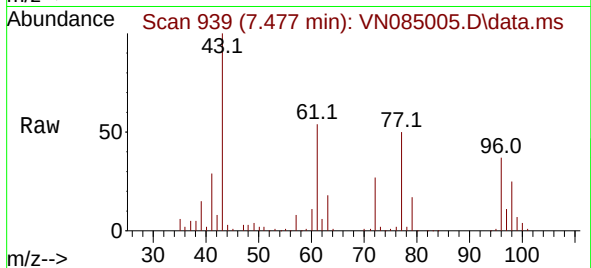
VSTDIC100

Tgt Ion: 43 Resp: 596036

Ion Ratio Lower Upper

43 100

72 27.3 21.4 32.0



#26

2,2-Dichloropropane

Concen: 102.775 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085005.D

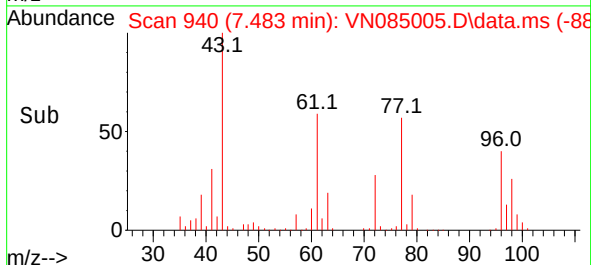
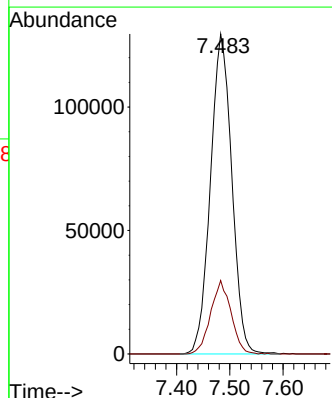
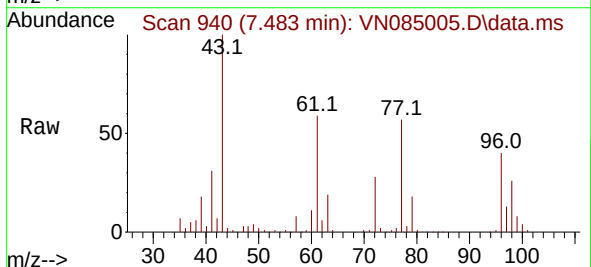
Acq: 22 Nov 2024 11:22

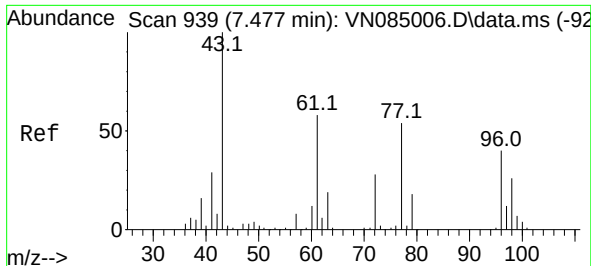
Tgt Ion: 77 Resp: 360997

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 99.132 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

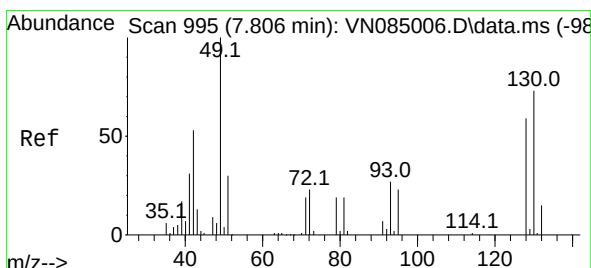
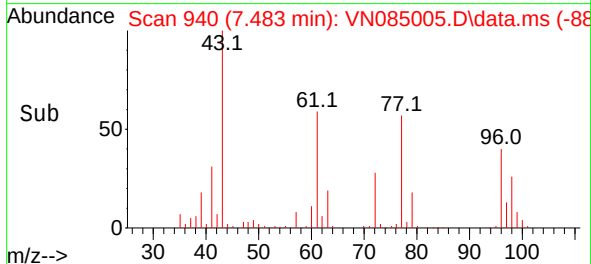
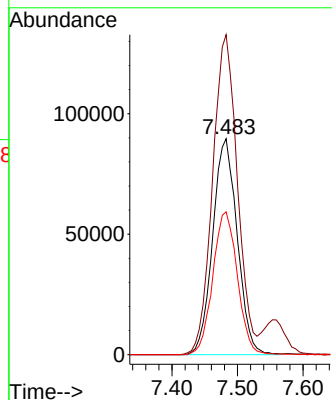
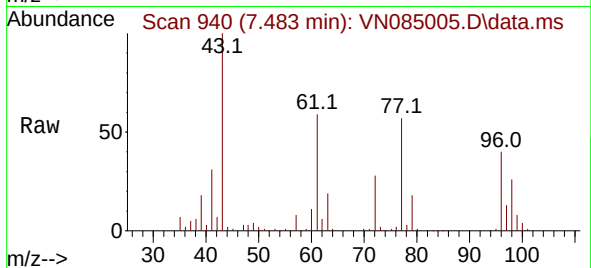
Tgt Ion: 96 Resp: 232992

Ion Ratio Lower Upper

96 100

61 149.6 0.0 291.6

98 66.3 0.0 129.8



#28

Bromochloromethane

Concen: 100.575 ug/l

RT: 7.806 min Scan# 995

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

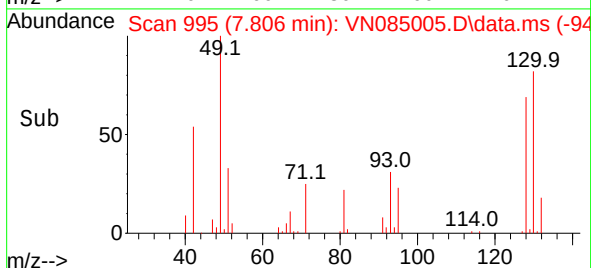
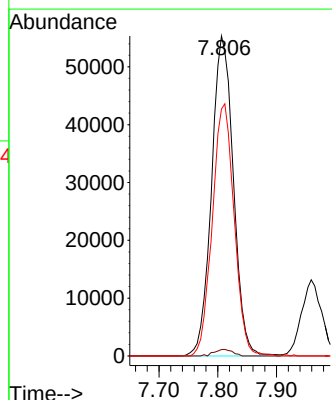
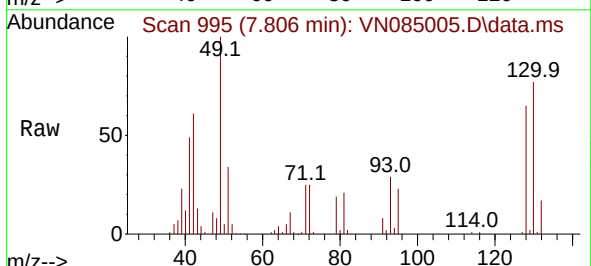
Tgt Ion: 49 Resp: 142811

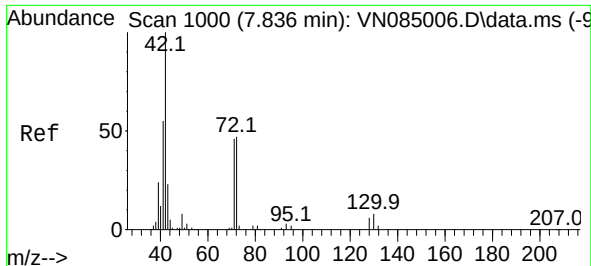
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.0

130 78.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 507.558 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

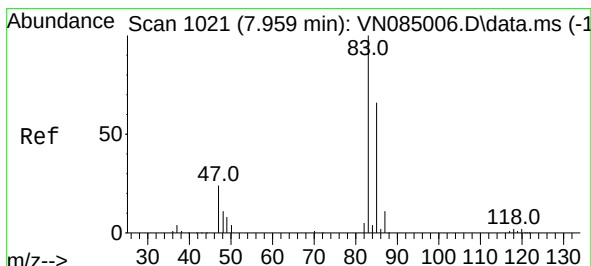
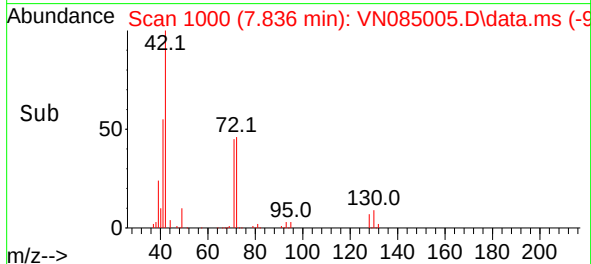
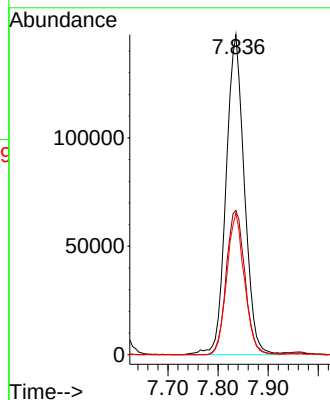
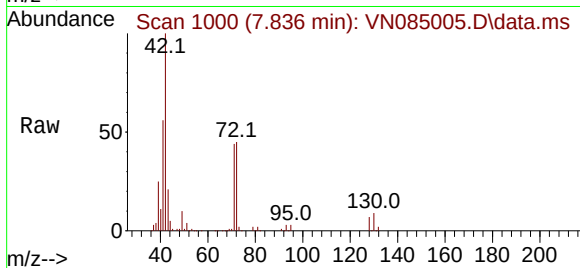
Tgt Ion: 42 Resp: 373666

Ion Ratio Lower Upper

42 100

72 46.1 37.0 55.4

71 42.7 35.0 52.4



#30

Chloroform

Concen: 97.513 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085005.D

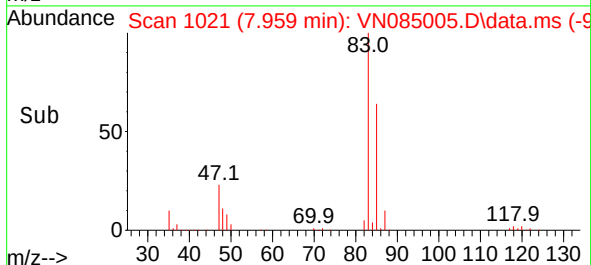
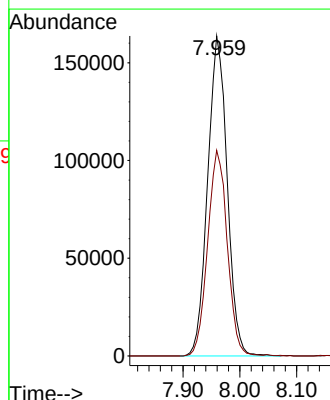
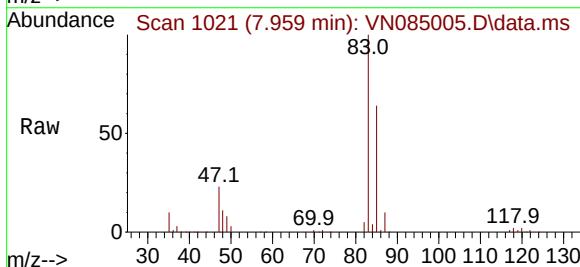
Acq: 22 Nov 2024 11:22

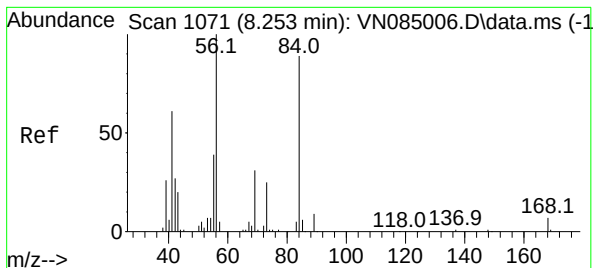
Tgt Ion: 83 Resp: 390189

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8





#31

Cyclohexane

Concen: 96.305 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

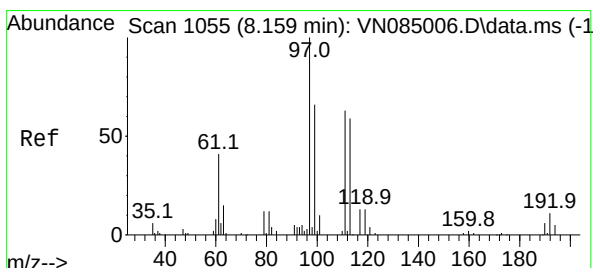
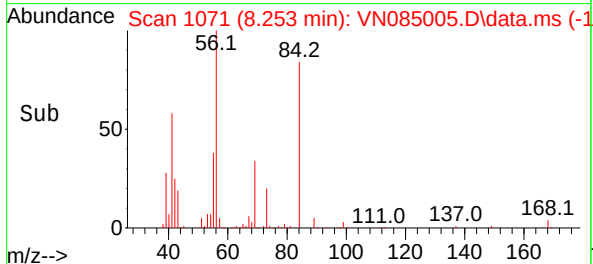
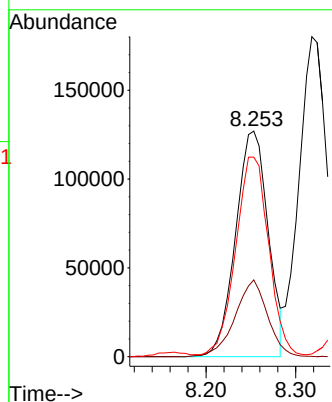
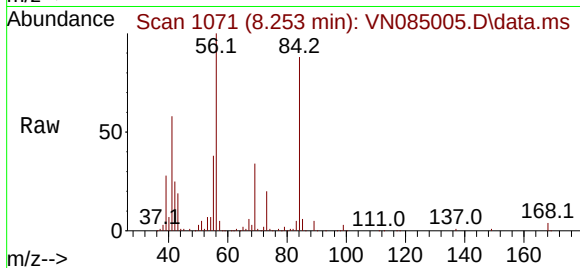
Tgt Ion: 56 Resp: 318957

Ion Ratio Lower Upper

56 100

69 34.1 24.6 36.8

84 86.8 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 101.081 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

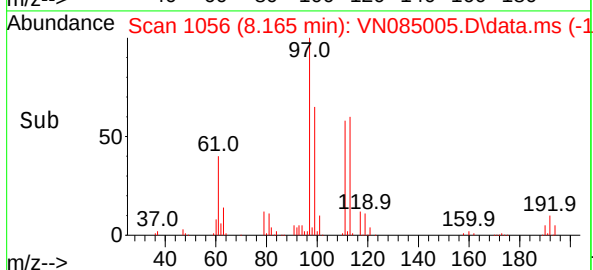
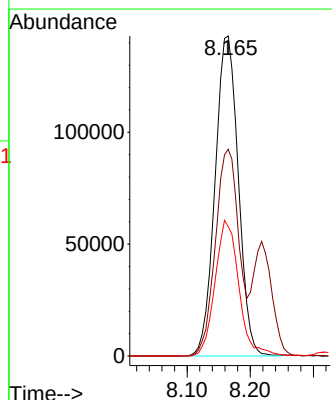
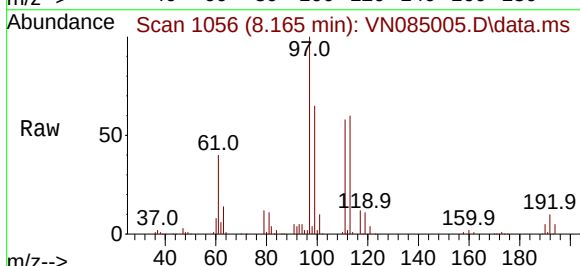
Tgt Ion: 97 Resp: 365495

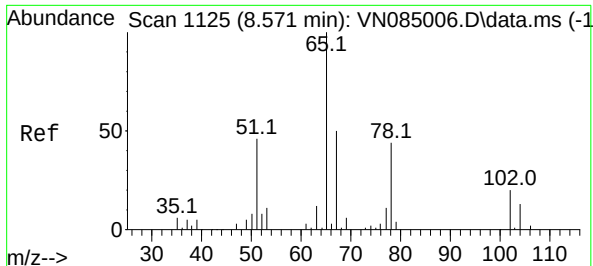
Ion Ratio Lower Upper

97 100

99 65.4 51.0 76.4

61 43.4 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 103.553 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

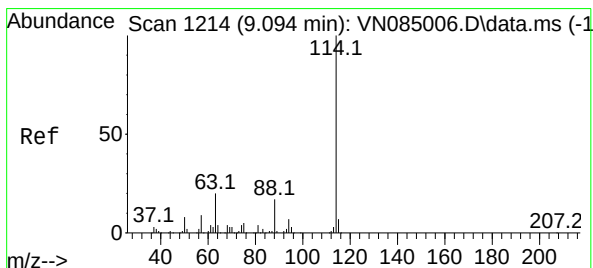
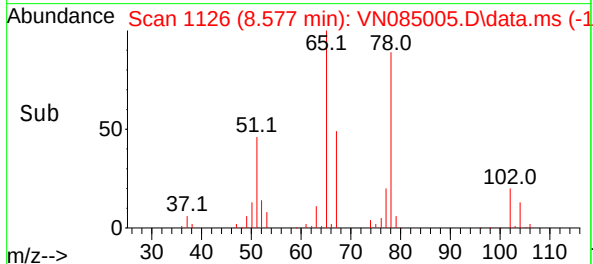
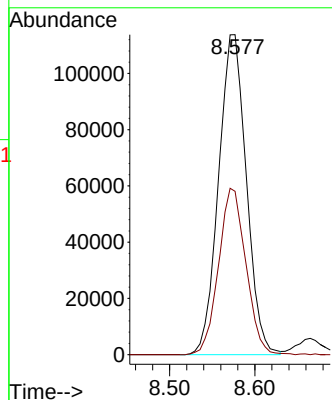
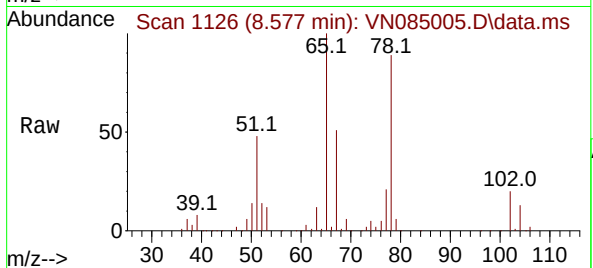
VSTDIC100

Tgt Ion: 65 Resp: 257466

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

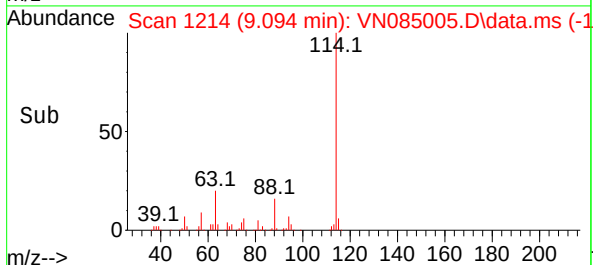
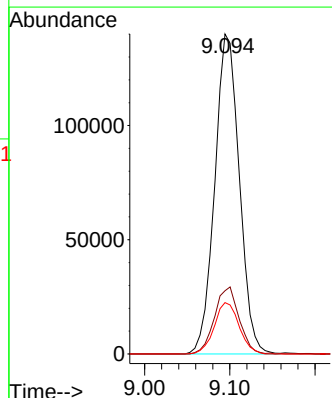
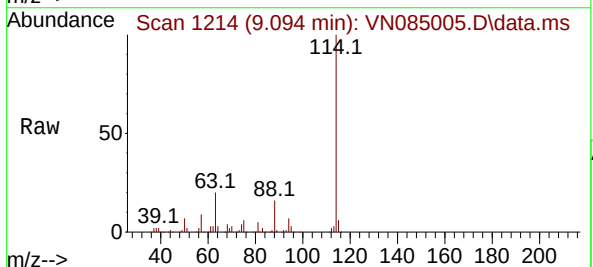
Tgt Ion: 114 Resp: 280535

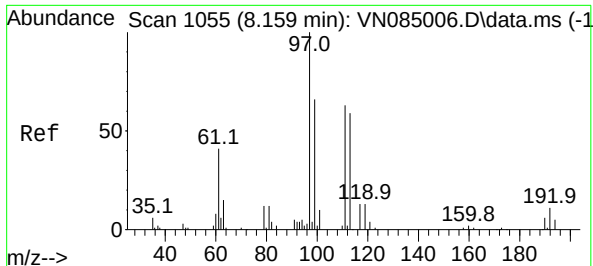
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 107.183 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

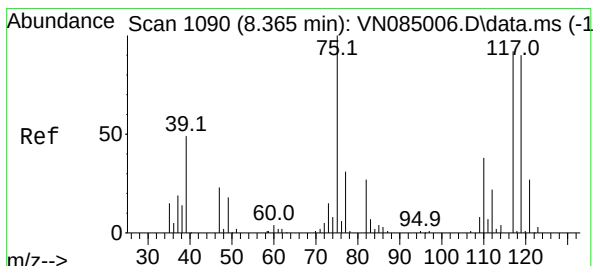
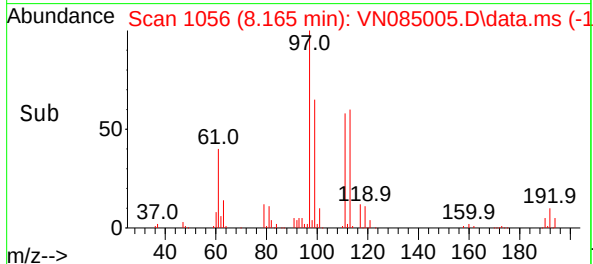
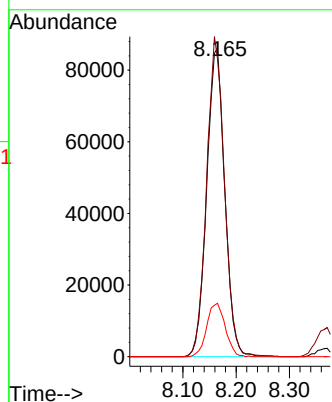
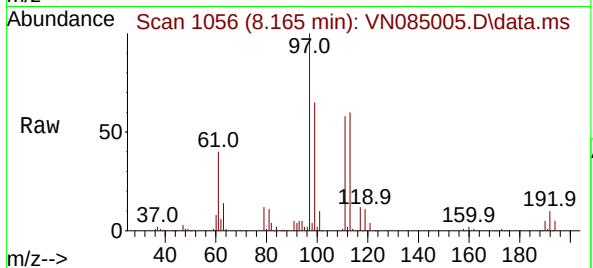
Tgt Ion:113 Resp: 202772

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 17.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 107.966 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

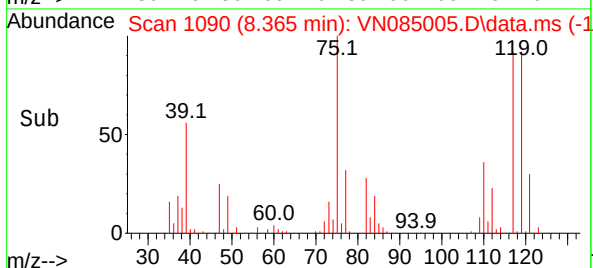
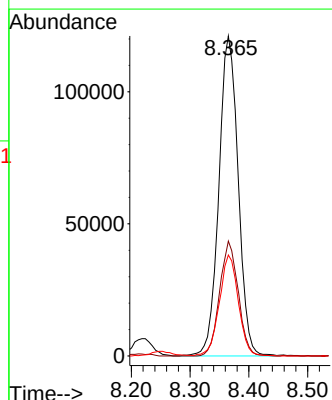
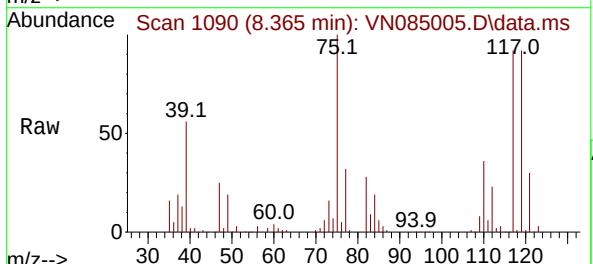
Tgt Ion: 75 Resp: 276659

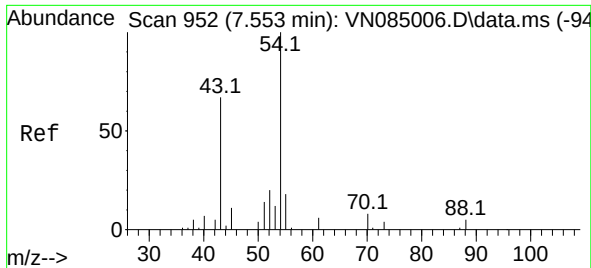
Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.6

77 31.0 24.2 36.4

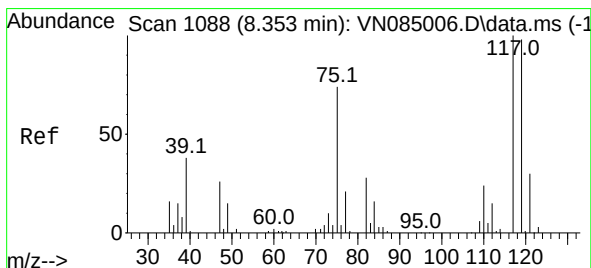
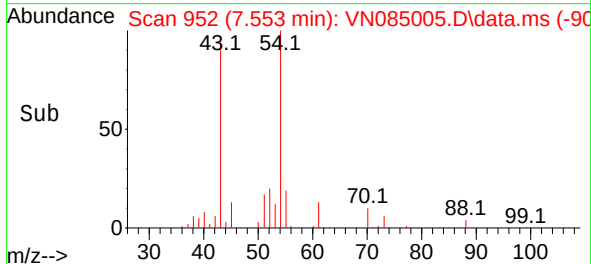
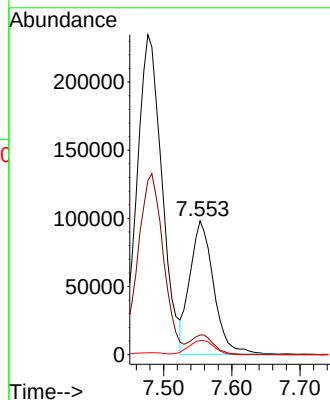
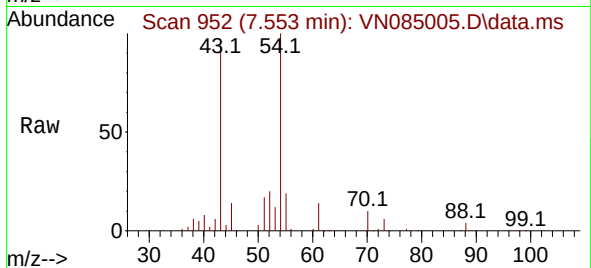




#37
Ethyl Acetate
Concen: 101.478 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

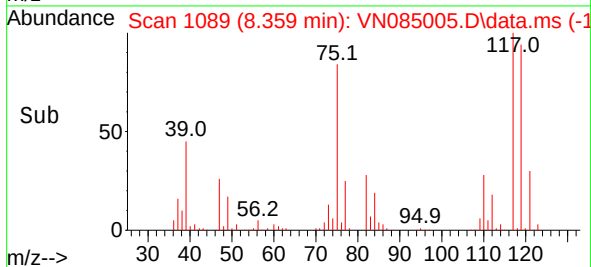
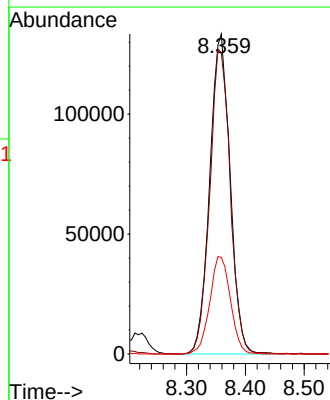
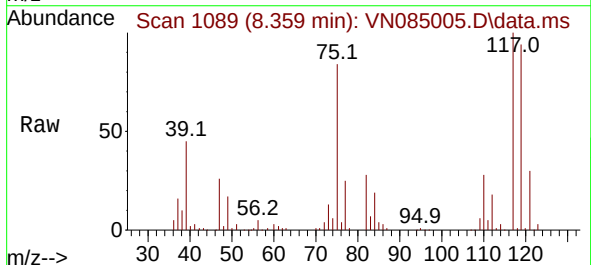
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

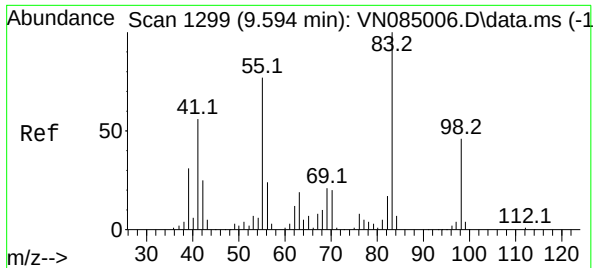
Tgt Ion: 43 Resp: 236399
Ion Ratio Lower Upper
43 100
61 14.8 11.7 17.5
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 108.554 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 117 Resp: 321086
Ion Ratio Lower Upper
117 100
119 94.1 78.6 117.8
121 30.1 24.2 36.2

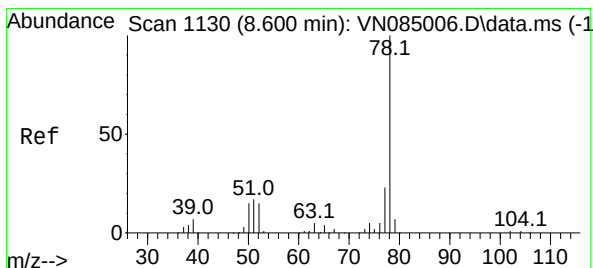
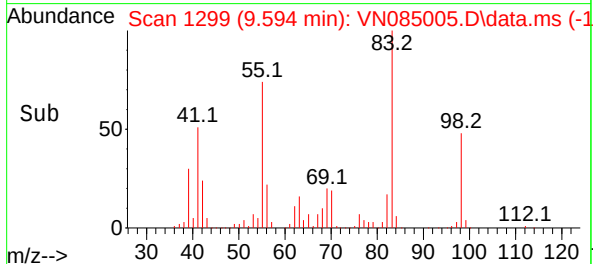
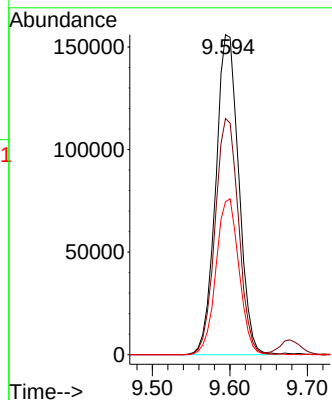
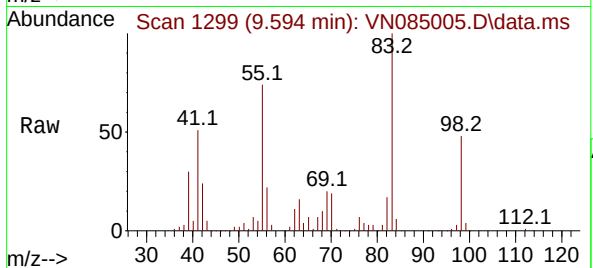




#39
Methylcyclohexane
Concen: 120.983 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

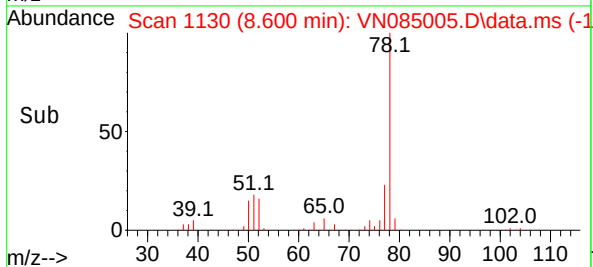
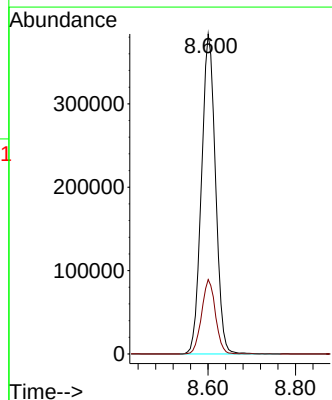
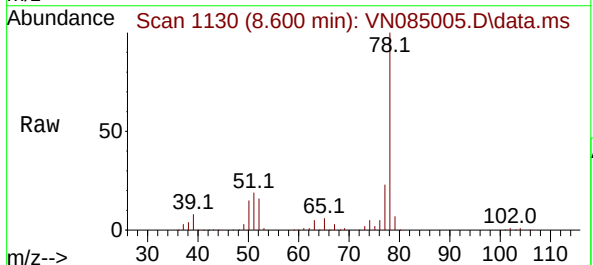
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

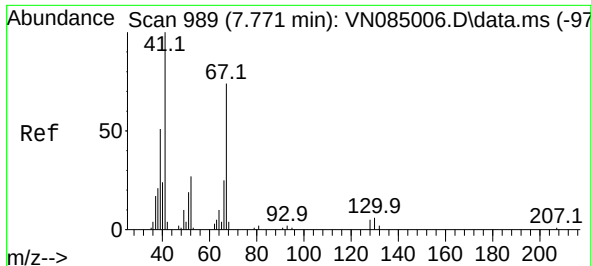
Tgt Ion: 83 Resp: 322151
Ion Ratio Lower Upper
83 100
55 73.8 61.8 92.6
98 47.8 37.0 55.6



#40
Benzene
Concen: 105.783 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 857333
Ion Ratio Lower Upper
78 100
77 23.2 18.5 27.7



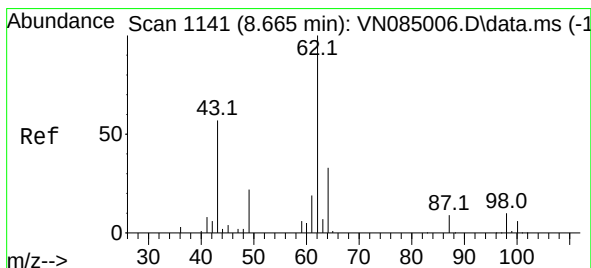
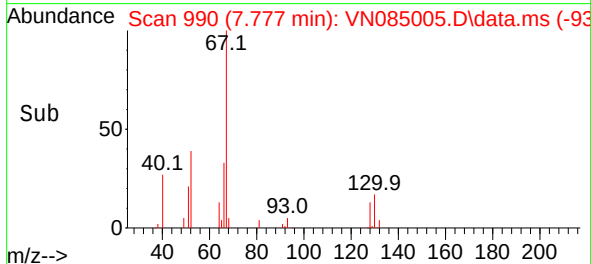
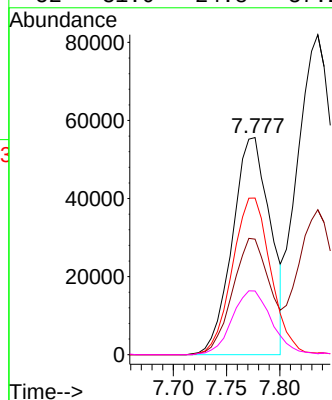
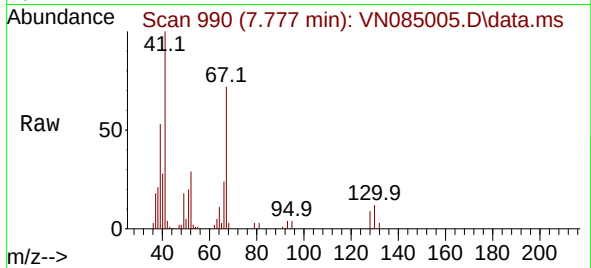


#41
Methacrylonitrile
Concen: 107.026 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 138044

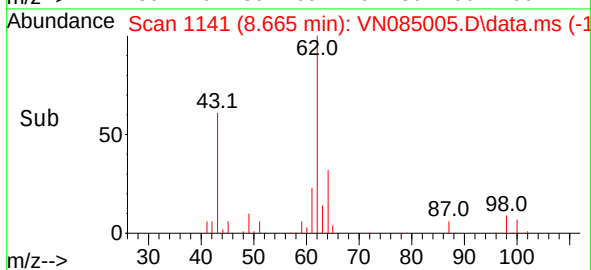
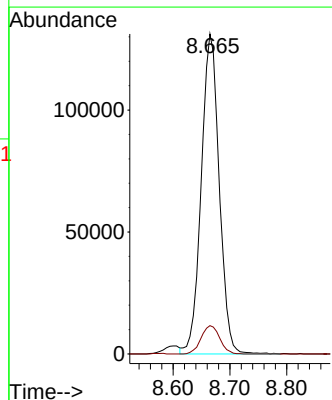
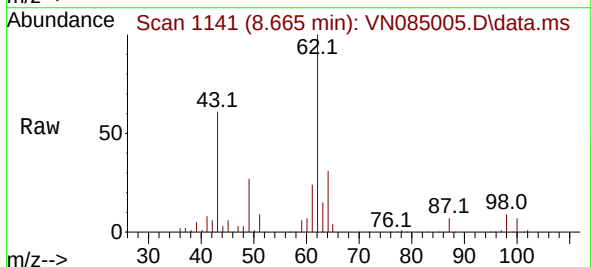
Ion	Ratio	Lower	Upper
41	100		
39	52.8	42.6	63.8
67	73.5	59.9	89.9
52	31.0	24.8	37.2

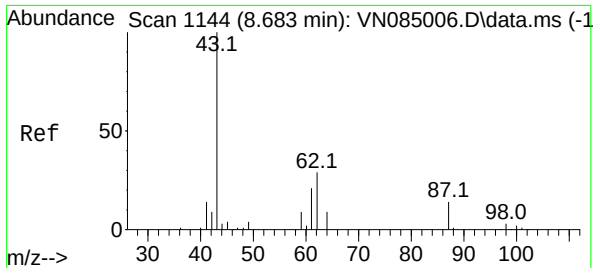


#42
1,2-Dichloroethane
Concen: 103.986 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 288320

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

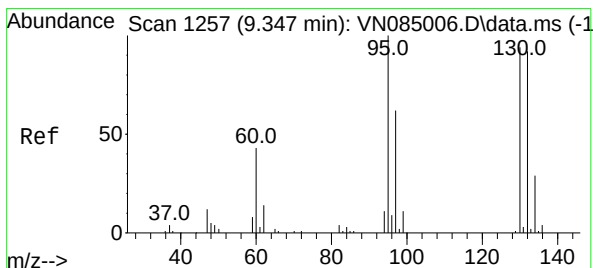
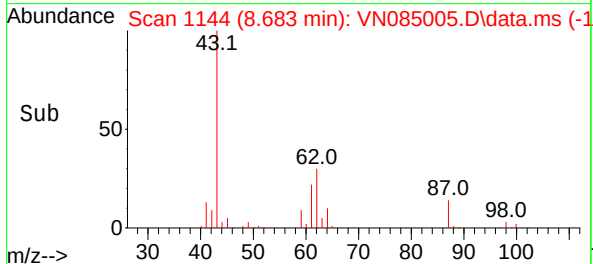
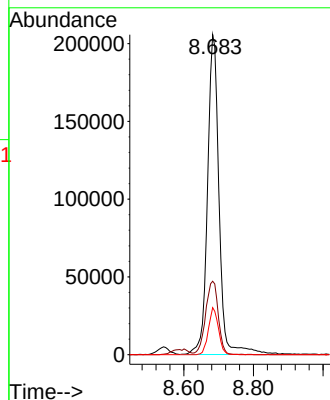
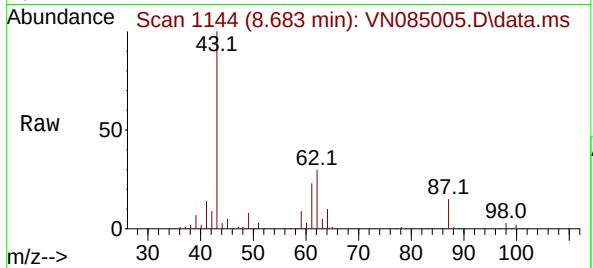




#43
Isopropyl Acetate
Concen: 97.891 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

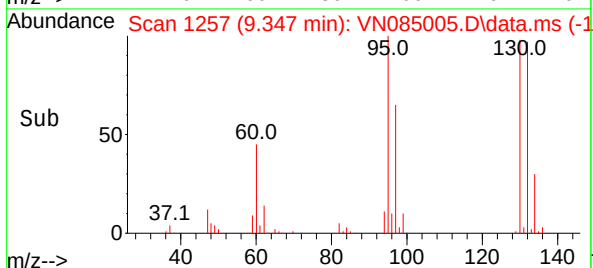
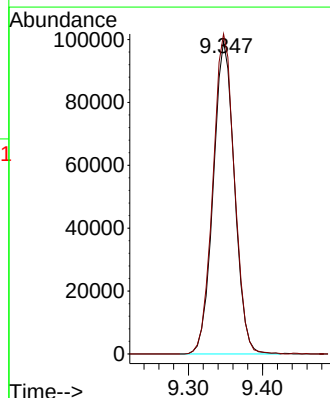
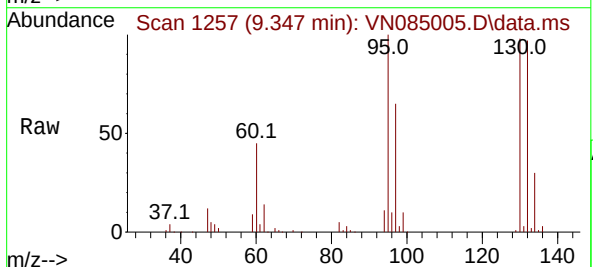
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

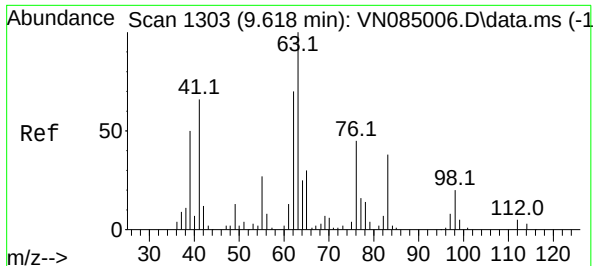
Tgt Ion: 43 Resp: 473683
Ion Ratio Lower Upper
43 100
61 24.9 20.6 30.8
87 12.7 11.0 16.4



#44
Trichloroethene
Concen: 104.851 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 130 Resp: 197483
Ion Ratio Lower Upper
130 100
95 102.3 0.0 213.4

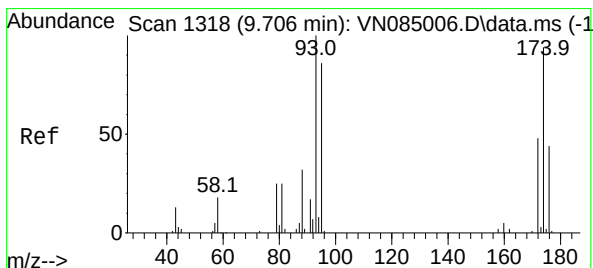
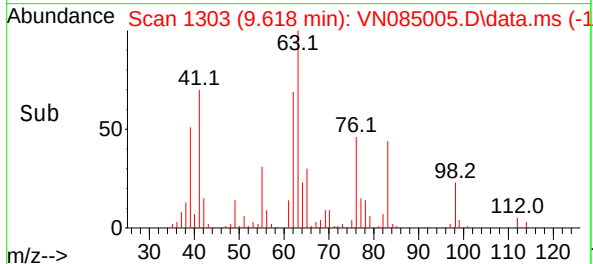
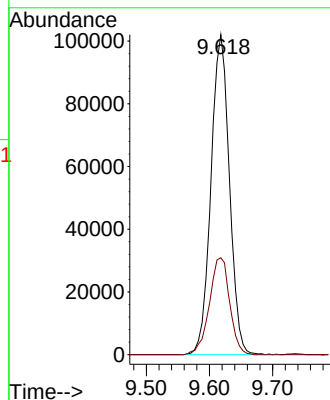
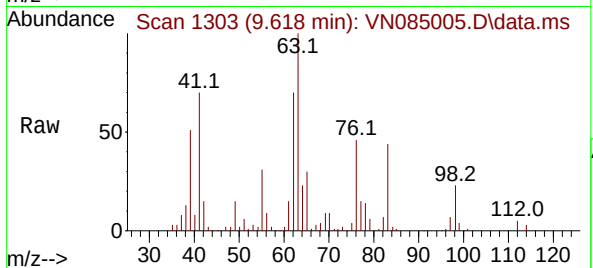




#45
1,2-Dichloropropane
Concen: 103.586 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

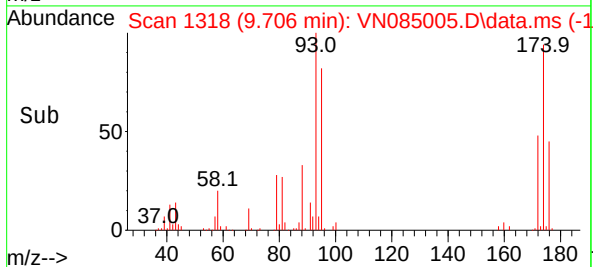
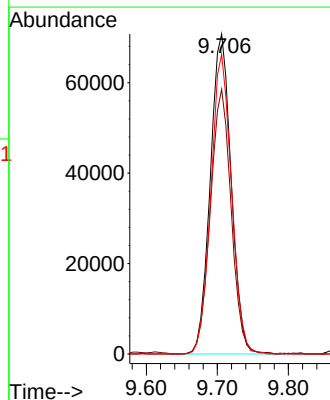
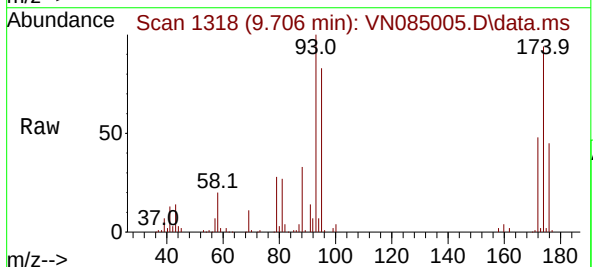
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

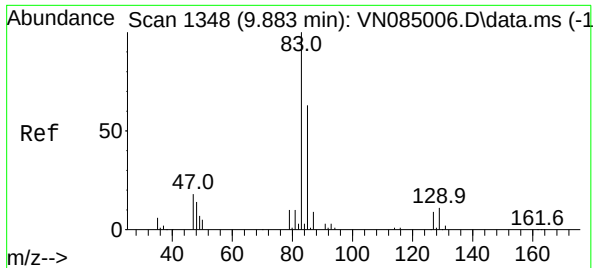
Tgt Ion: 63 Resp: 206776
Ion Ratio Lower Upper
63 100
65 30.3 24.0 36.0



#46
Dibromomethane
Concen: 103.900 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 144116
Ion Ratio Lower Upper
93 100
95 82.3 66.2 99.4
174 92.8 74.9 112.3

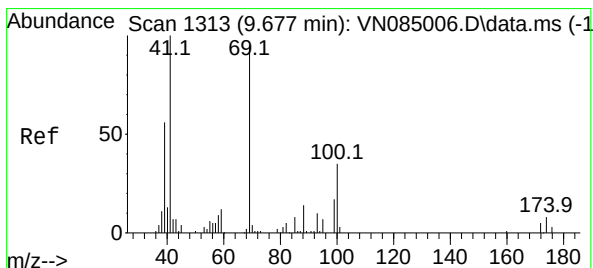
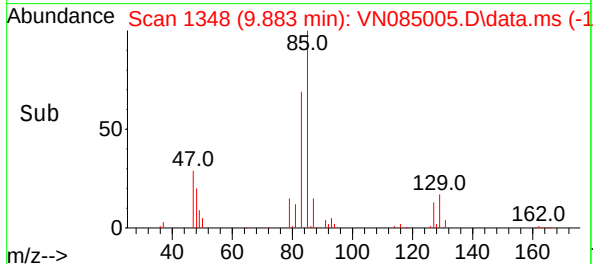
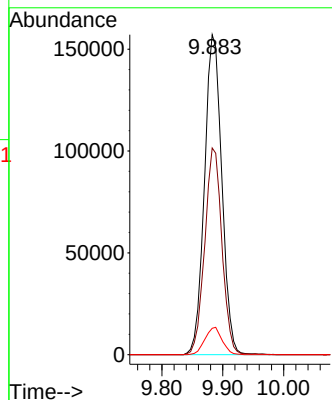
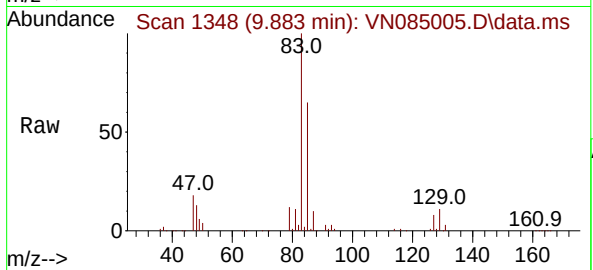




#47
Bromodichloromethane
Concen: 105.641 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

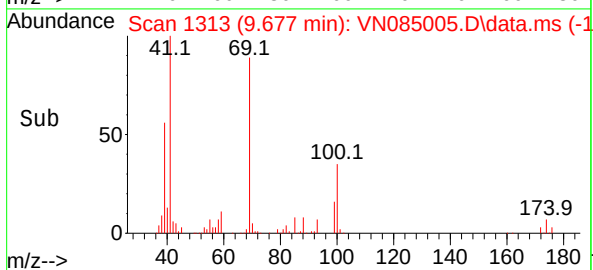
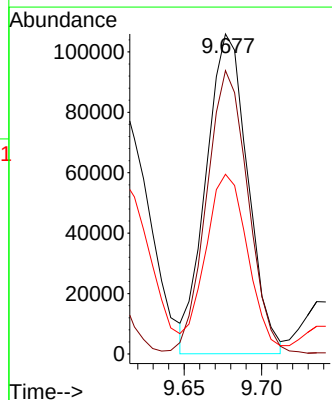
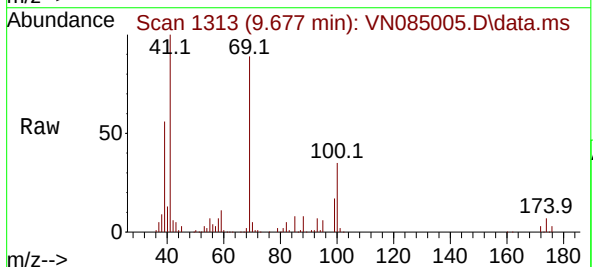
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

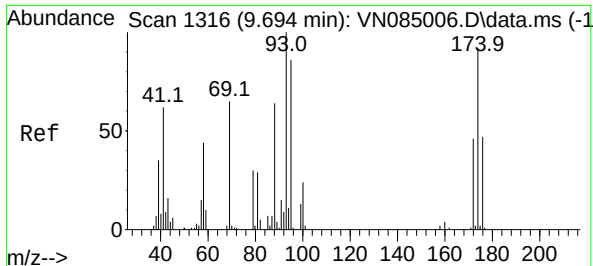
Tgt Ion: 83 Resp: 310562
Ion Ratio Lower Upper
83 100
85 64.6 50.5 75.7
127 8.2 7.1 10.7



#48
Methyl methacrylate
Concen: 109.847 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 197798
Ion Ratio Lower Upper
41 100
69 88.0 73.2 109.8
39 58.1 46.2 69.4

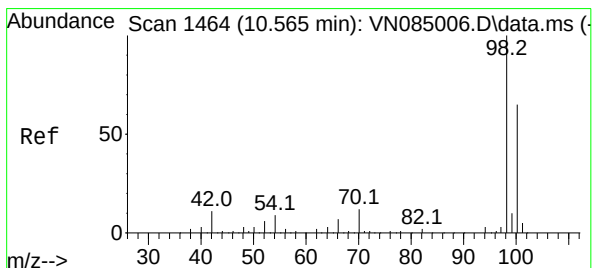
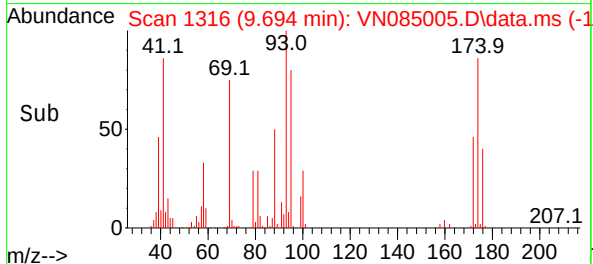
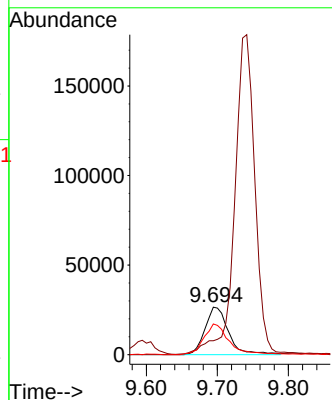
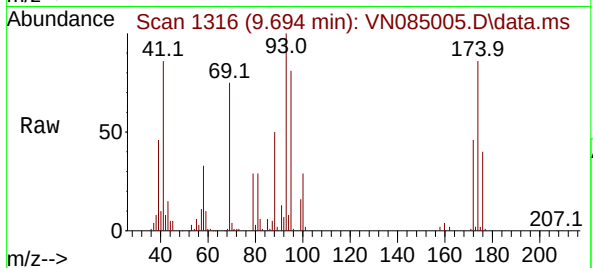




#49
1,4-Dioxane
Concen: 1959.471 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

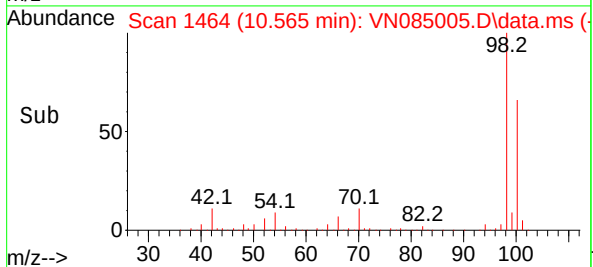
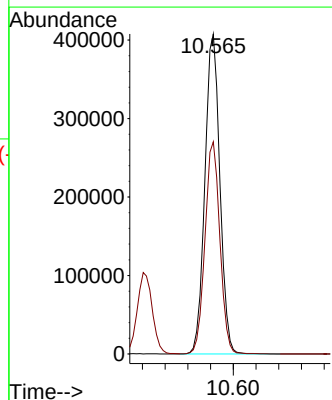
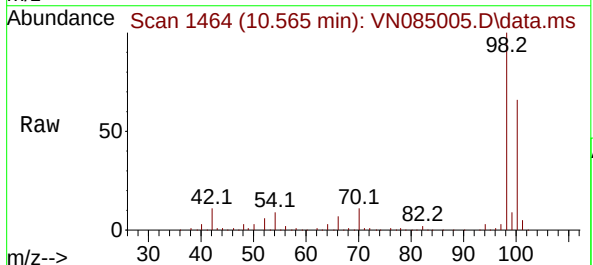
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

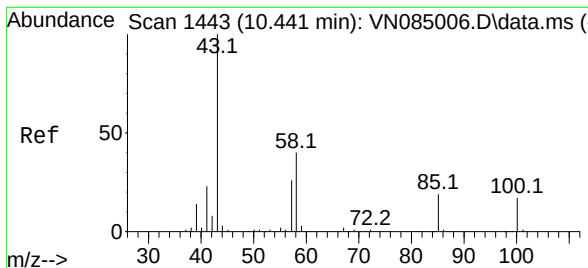
Tgt Ion: 88 Resp: 61188
Ion Ratio Lower Upper
88 100
43 0.0 16.7 25.1#
58 69.8 56.5 84.7



#50
Toluene-d8
Concen: 109.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 743711
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7

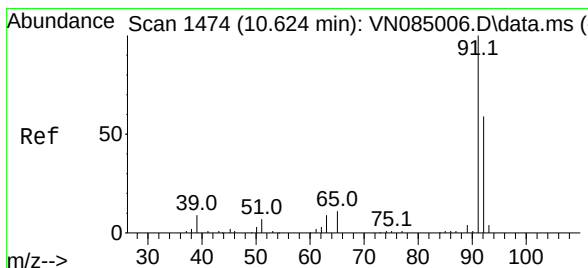
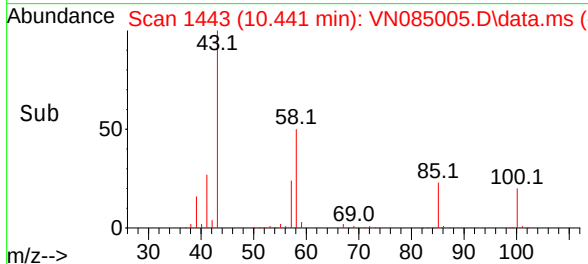
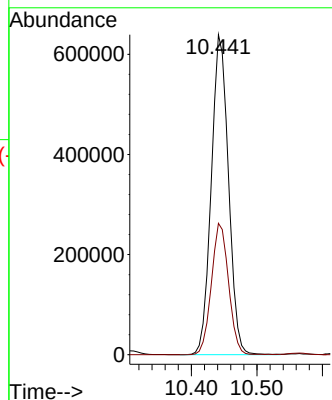
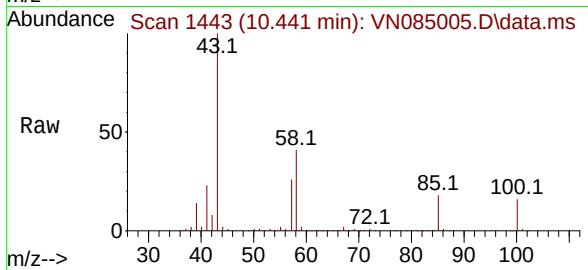




#51
4-Methyl-2-Pentanone
Concen: 525.783 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

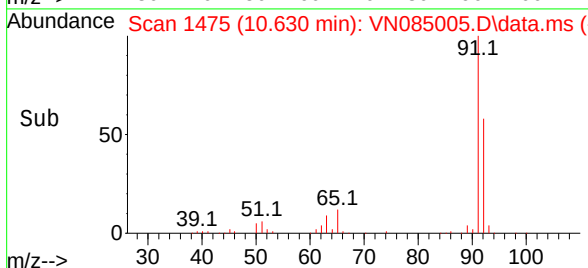
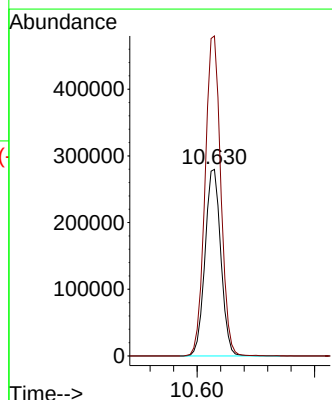
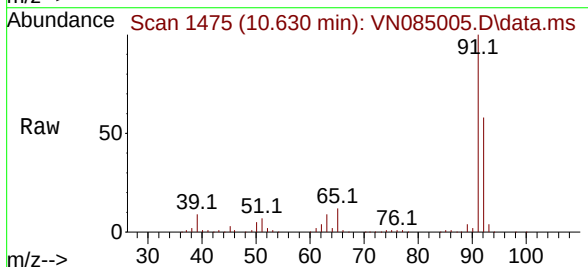
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

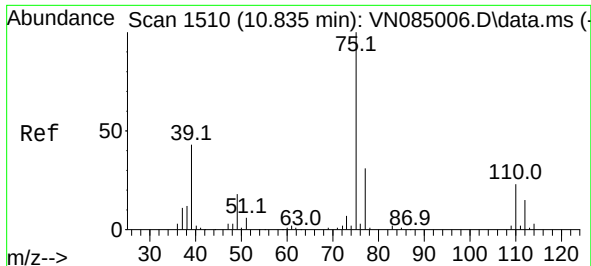
Tgt Ion: 43 Resp: 1162080
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1



#52
Toluene
Concen: 109.001 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 522980
Ion Ratio Lower Upper
92 100
91 170.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 109.180 ug/l

RT: 10.830 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

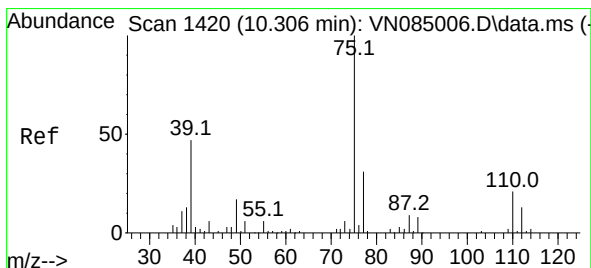
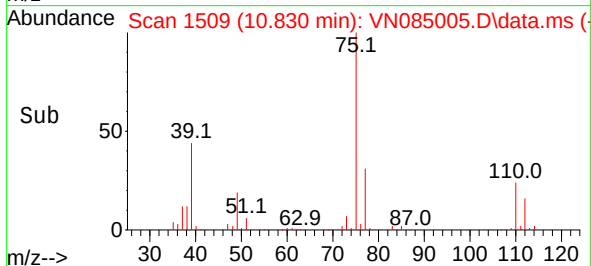
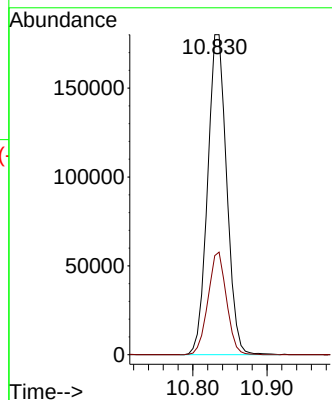
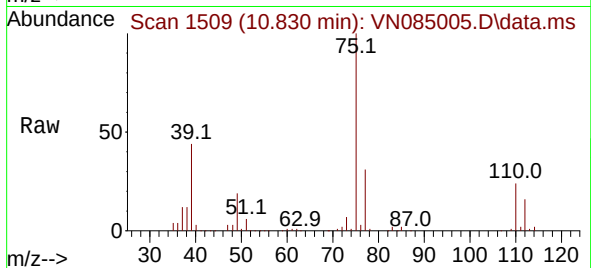
VSTDIC100

Tgt Ion: 75 Resp: 321790

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 110.678 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

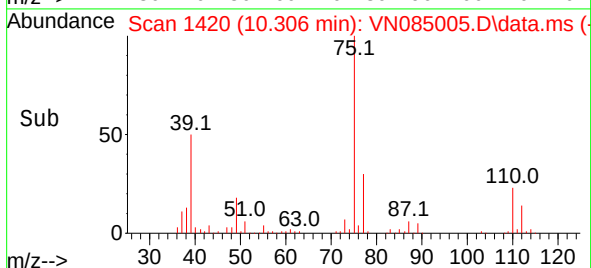
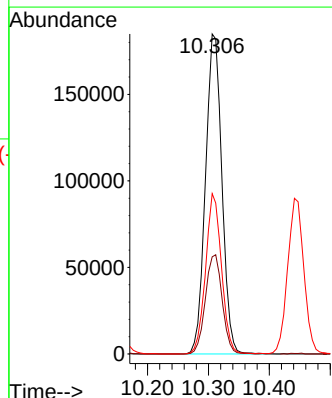
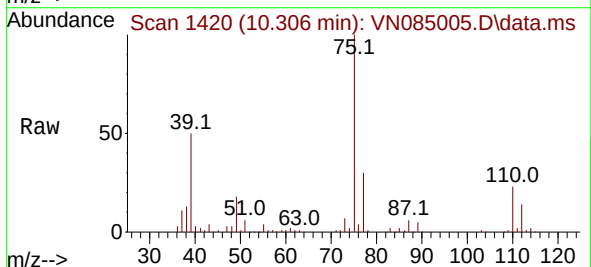
Tgt Ion: 75 Resp: 346064

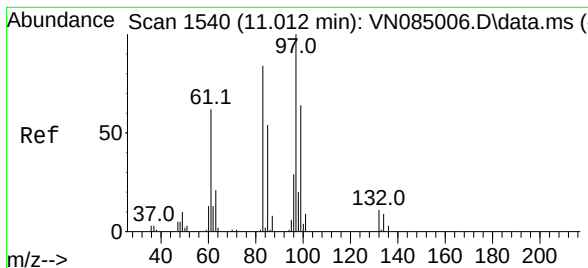
Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 50.1 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 105.602 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 188724

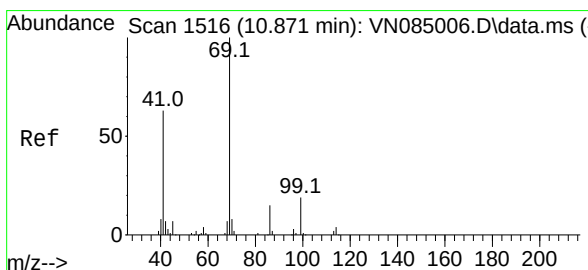
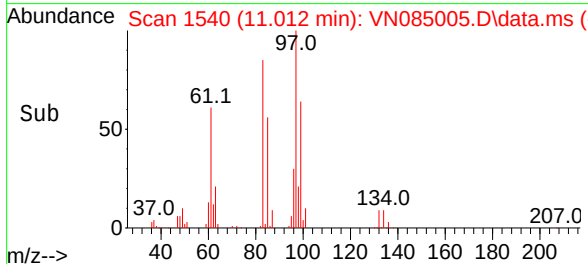
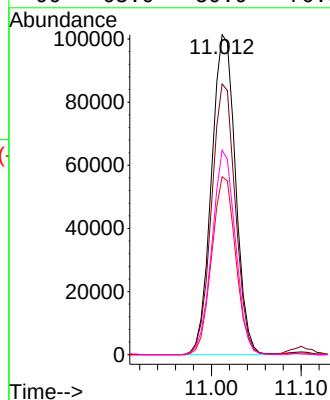
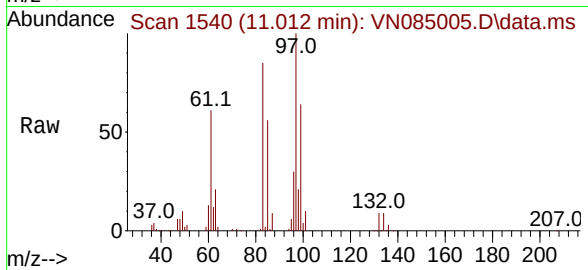
Ion Ratio Lower Upper

97 100

83 84.6 67.4 101.2

85 55.6 43.1 64.7

99 63.9 50.9 76.3



#56

Ethyl methacrylate

Concen: 117.883 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

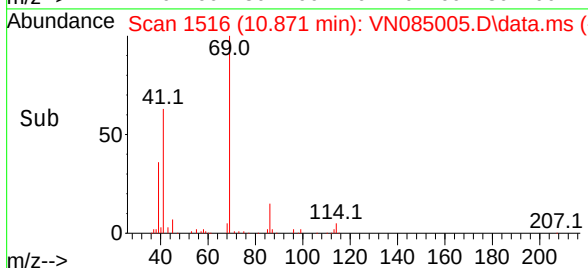
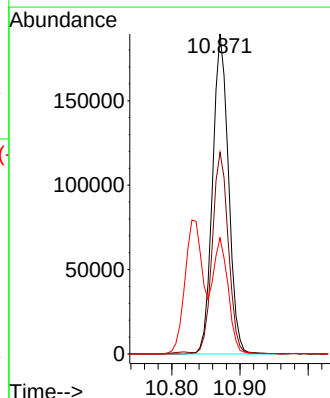
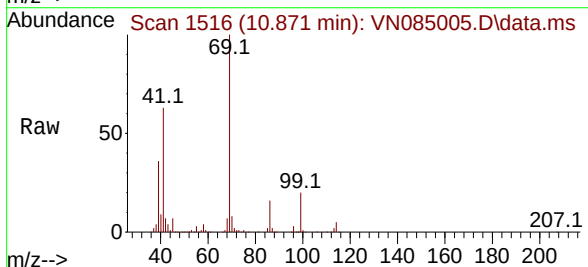
Tgt Ion: 69 Resp: 307844

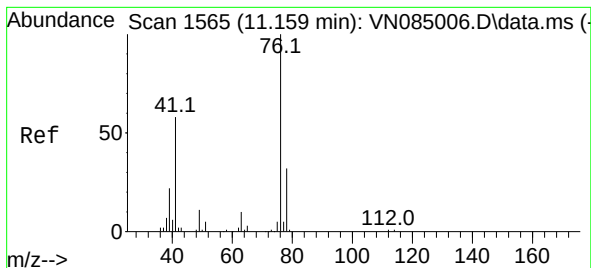
Ion Ratio Lower Upper

69 100

41 63.9 50.0 75.0

39 34.3 27.0 40.6





#57

1,3-Dichloropropane

Concen: 104.887 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

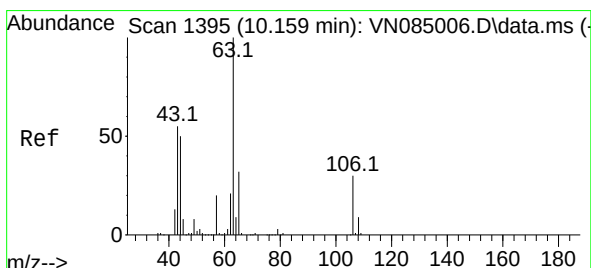
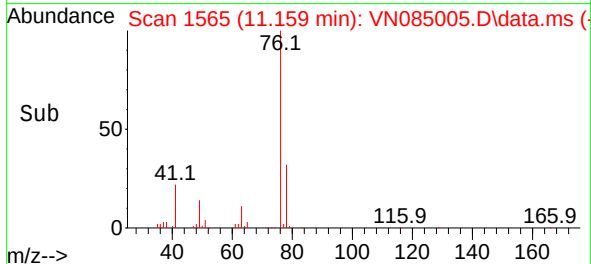
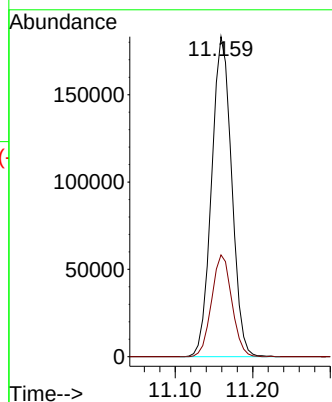
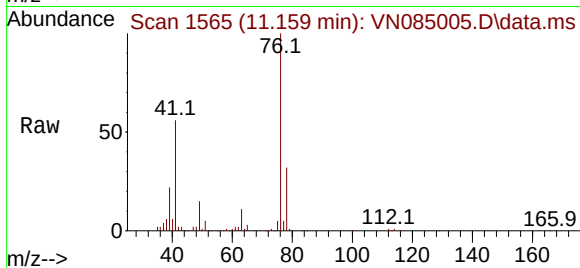
VSTDIC100

Tgt Ion: 76 Resp: 329902

Ion Ratio Lower Upper

76 100

78 32.0 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 602.530 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085005.D

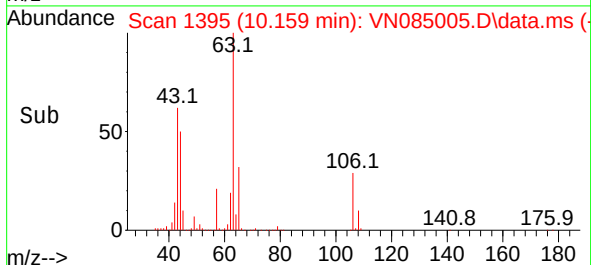
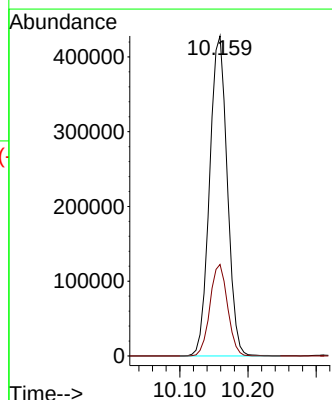
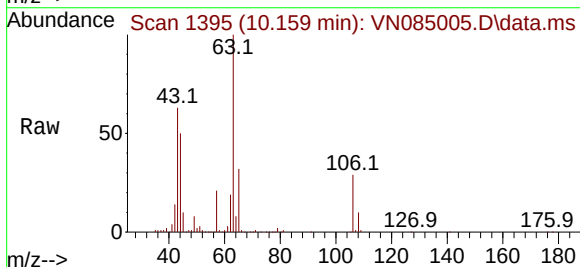
Acq: 22 Nov 2024 11:22

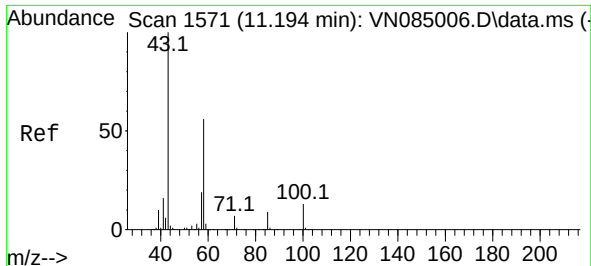
Tgt Ion: 63 Resp: 771827

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6

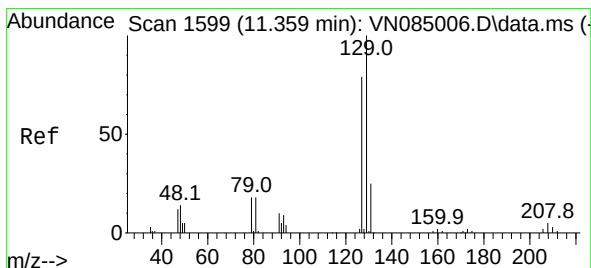
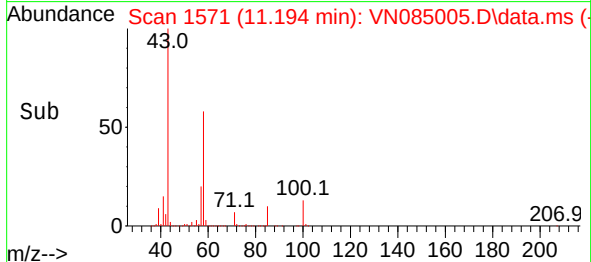
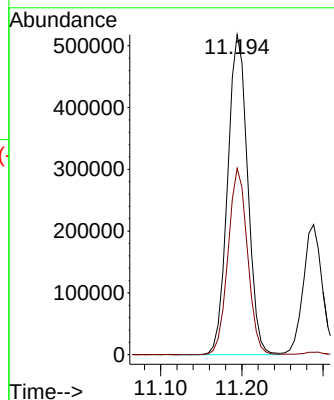
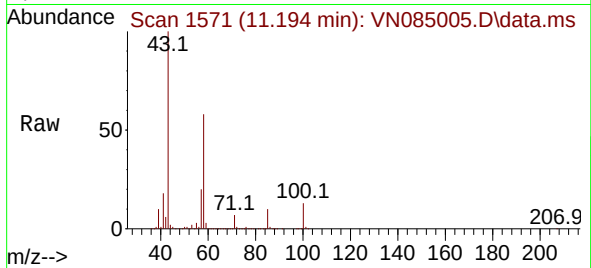




#59
2-Hexanone
Concen: 535.314 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

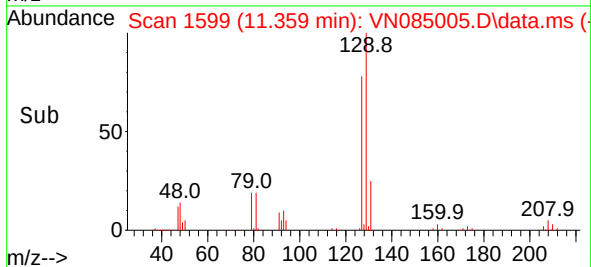
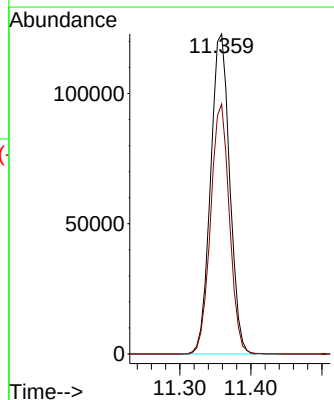
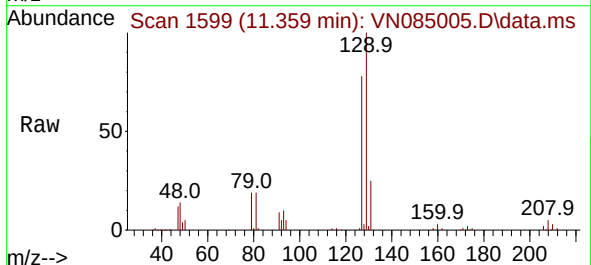
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

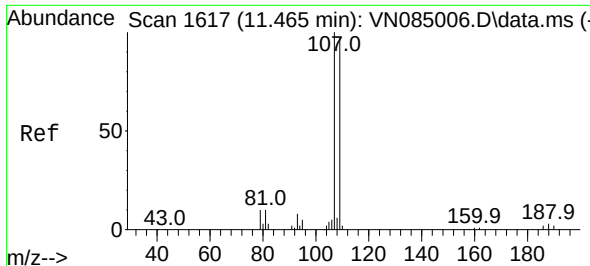
Tgt Ion: 43 Resp: 884879
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 105.249 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 229875
Ion Ratio Lower Upper
129 100
127 76.6 39.2 117.6

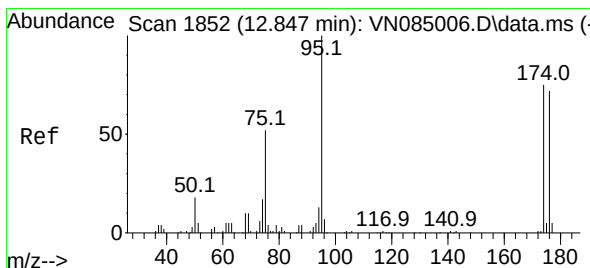
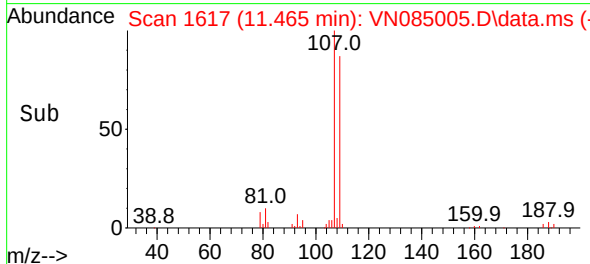
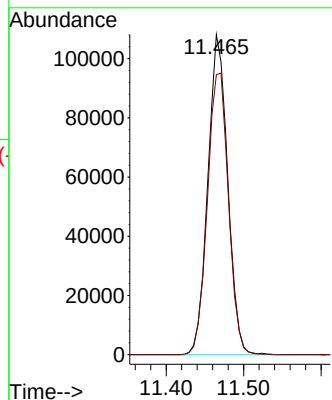
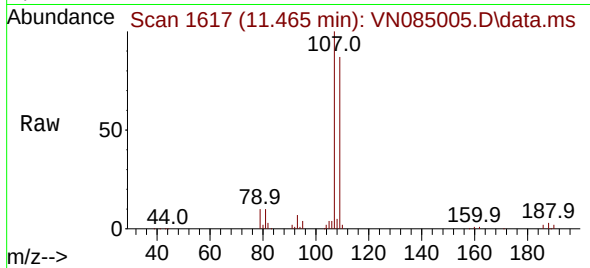




#61
1,2-Dibromoethane
Concen: 103.624 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

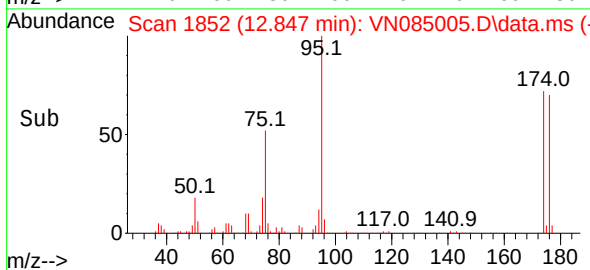
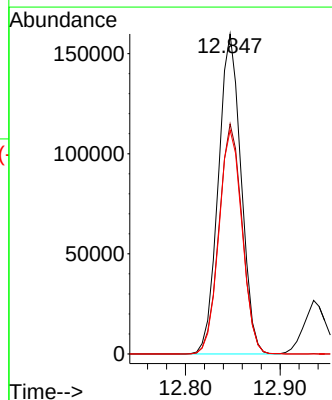
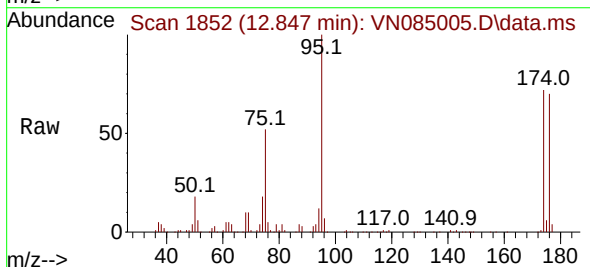
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

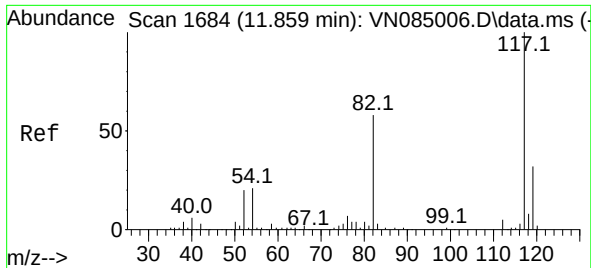
Tgt Ion:107 Resp: 191654
Ion Ratio Lower Upper
107 100
109 93.6 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 105.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 266822
Ion Ratio Lower Upper
95 100
174 72.9 0.0 146.6
176 71.2 0.0 141.8

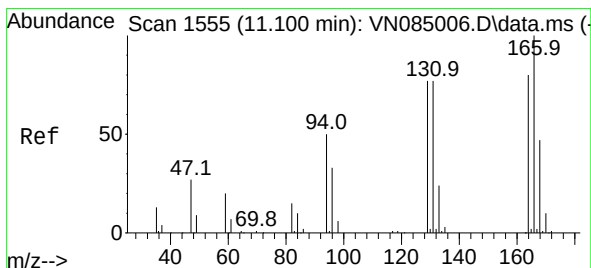
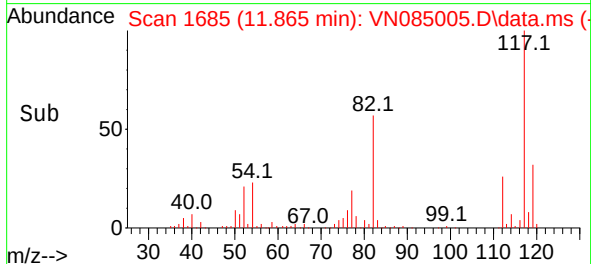
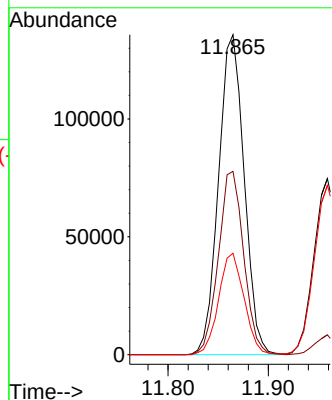
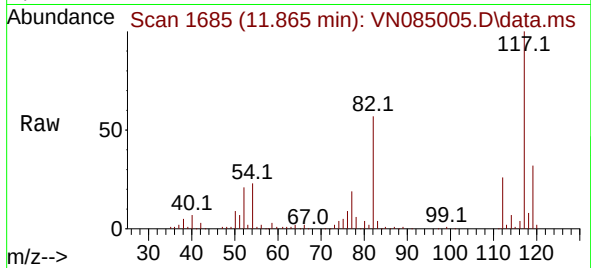




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

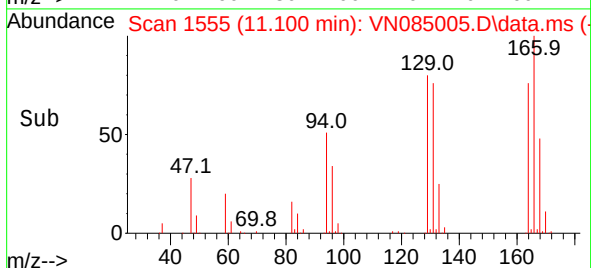
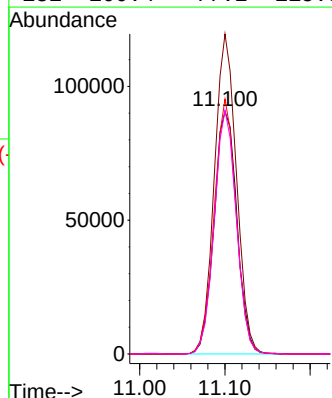
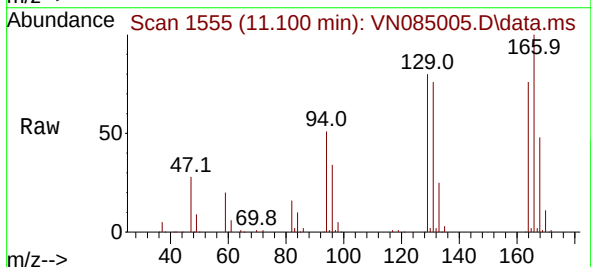
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

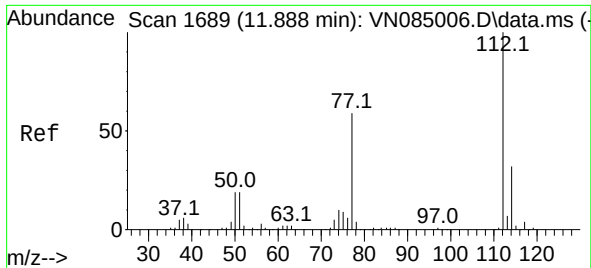
Tgt Ion:117 Resp: 240979
Ion Ratio Lower Upper
117 100
82 57.3 46.0 69.0
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 104.032 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 168926
Ion Ratio Lower Upper
164 100
166 131.9 100.6 151.0
129 105.1 77.7 116.5
131 100.4 77.2 115.8

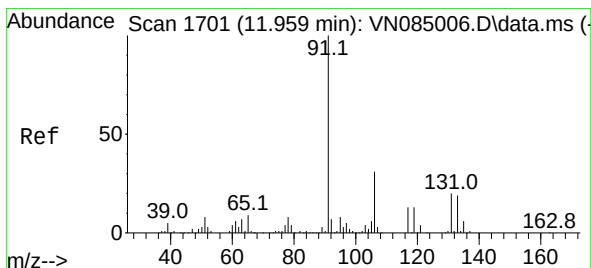
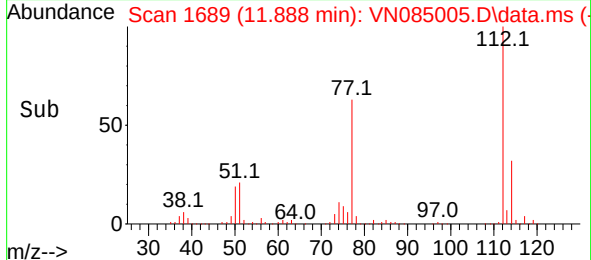
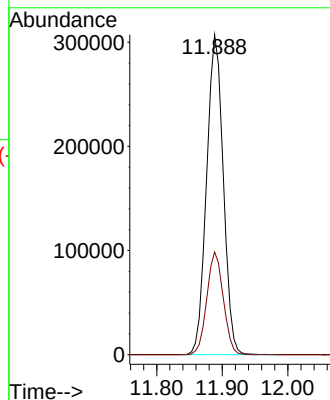
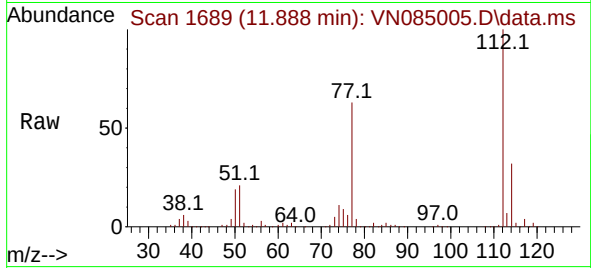




#65
Chlorobenzene
Concen: 99.452 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

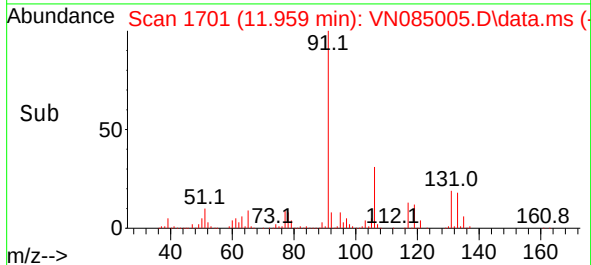
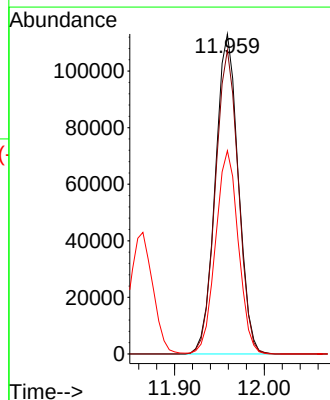
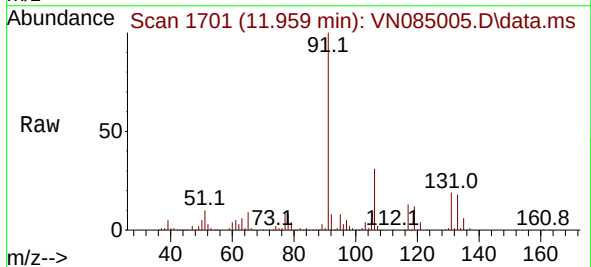
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

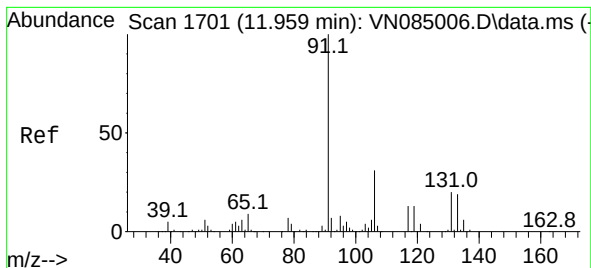
Tgt Ion:112 Resp: 543518
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 104.459 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 201000
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.4
119 63.0 32.1 96.3

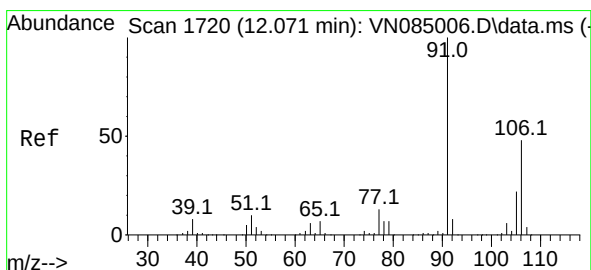
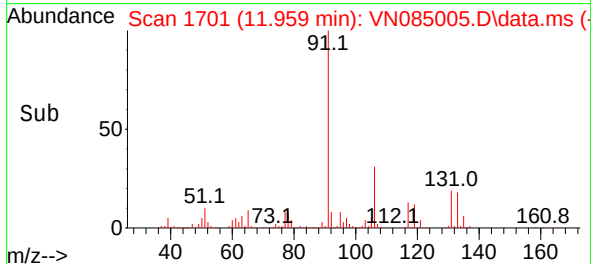
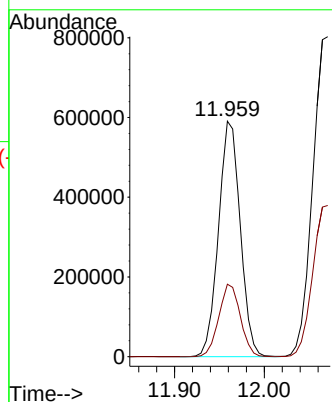
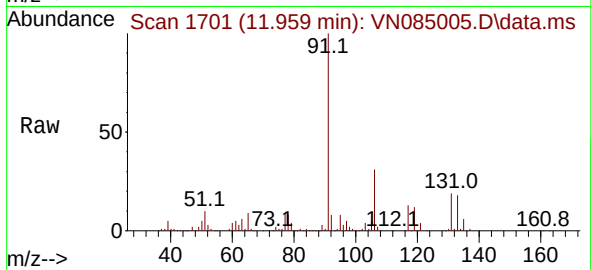




#67
Ethyl Benzene
Concen: 112.113 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

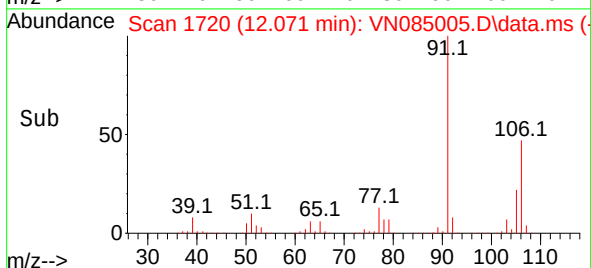
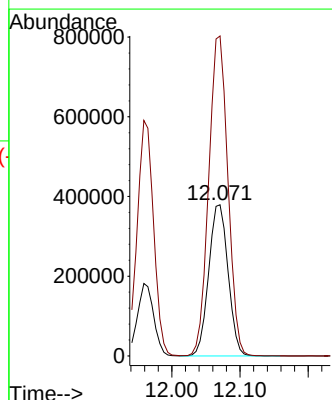
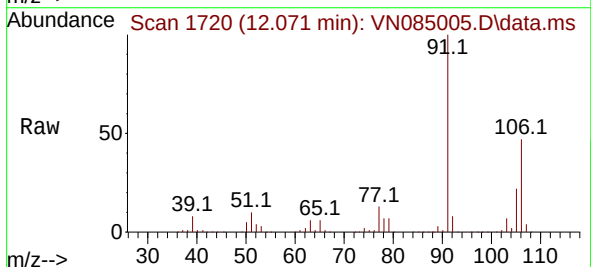
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

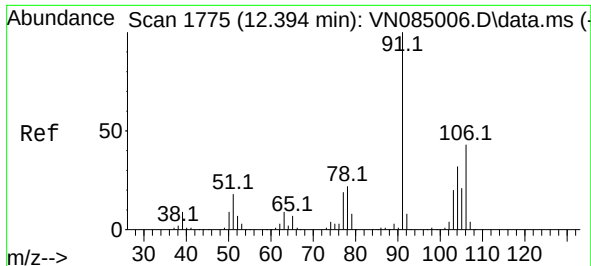
Tgt Ion: 91 Resp: 994049
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 222.116 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 749782
Ion Ratio Lower Upper
106 100
91 209.5 168.0 252.0





#69

o-Xylene

Concen: 110.070 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

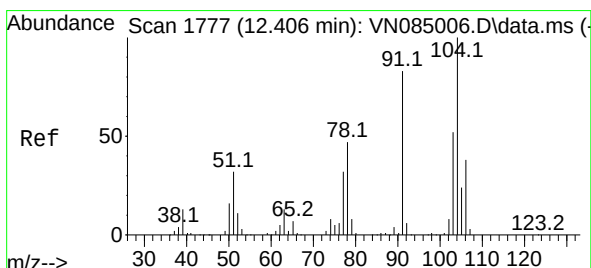
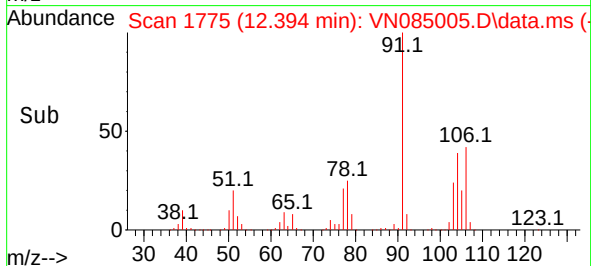
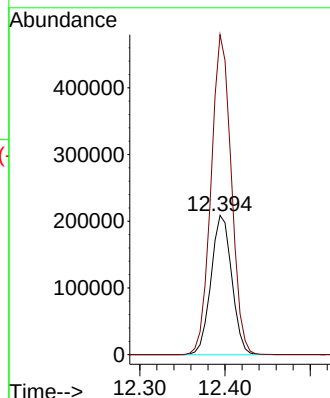
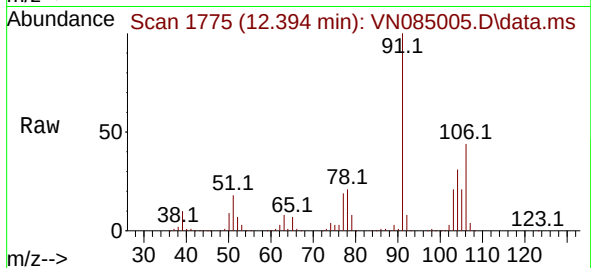
VSTDICC100

Tgt Ion:106 Resp: 353441

Ion Ratio Lower Upper

106 100

91 223.7 110.7 331.9



#70

Styrene

Concen: 112.600 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

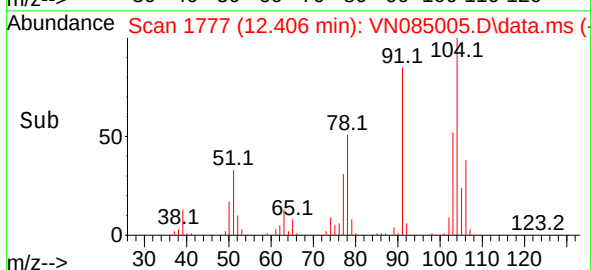
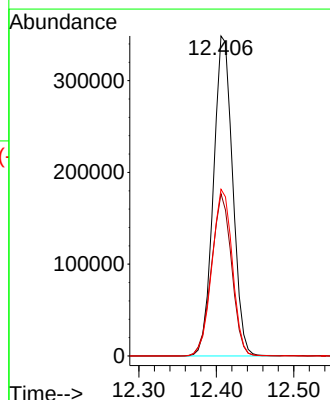
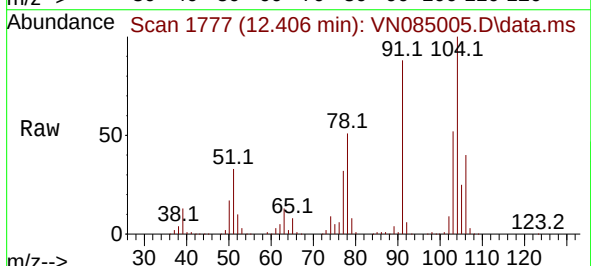
Tgt Ion:104 Resp: 601271

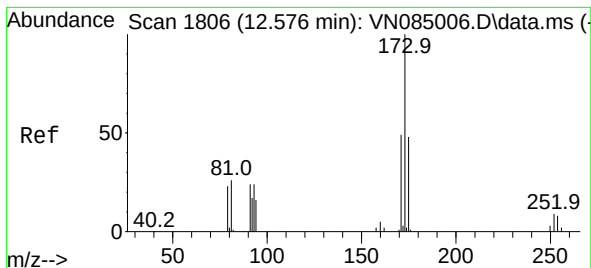
Ion Ratio Lower Upper

104 100

78 53.0 42.3 63.5

103 55.2 44.2 66.2





#71

Bromoform

Concen: 104.234 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

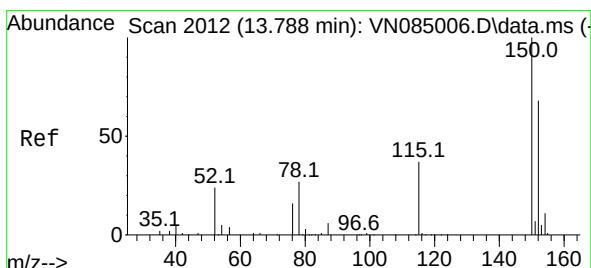
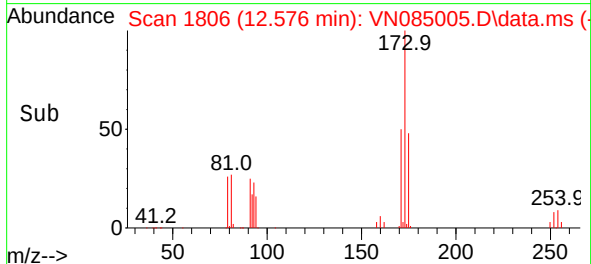
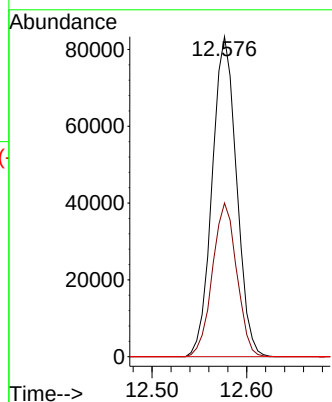
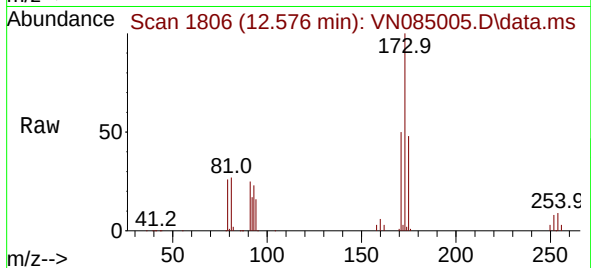
Tgt Ion:173 Resp: 148879

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.2

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: VN085005.D

Acq: 22 Nov 2024 11:22

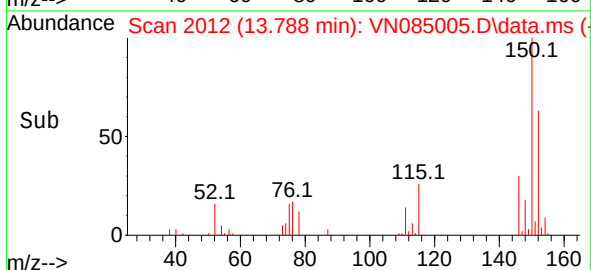
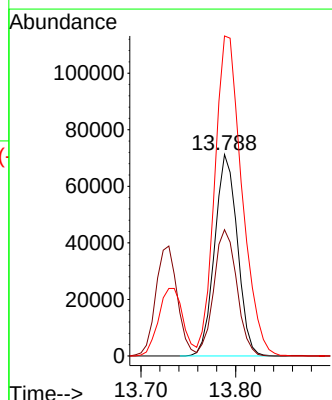
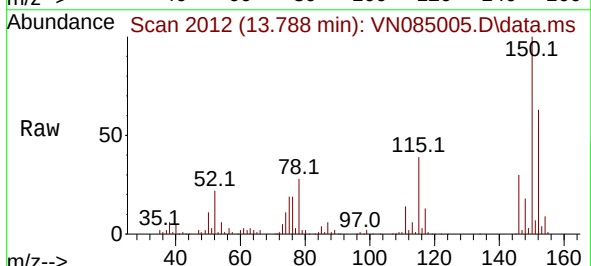
Tgt Ion:152 Resp: 118591

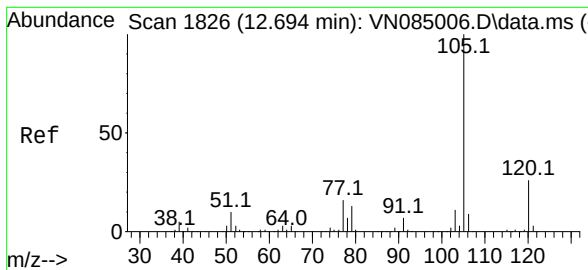
Ion Ratio Lower Upper

152 100

115 63.4 31.7 95.1

150 189.7 0.0 351.4





#73

Isopropylbenzene

Concen: 110.216 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

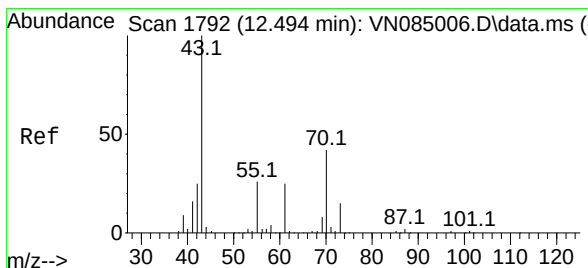
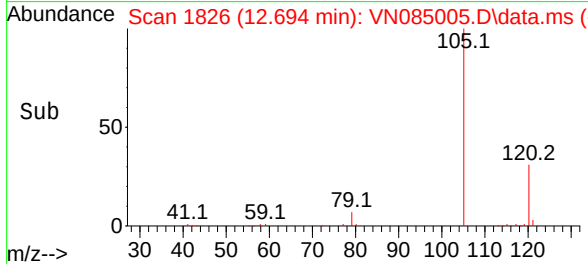
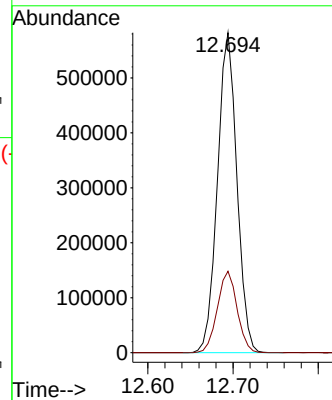
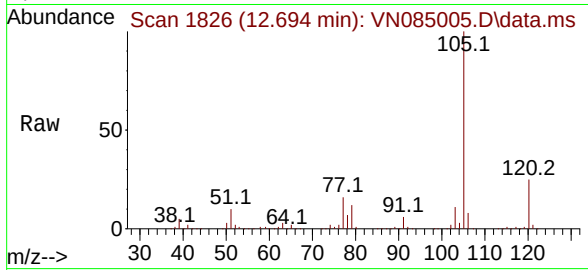
VSTDICC100

Tgt Ion:105 Resp: 922085

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



#74

N-ethyl acetate

Concen: 106.820 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 368260

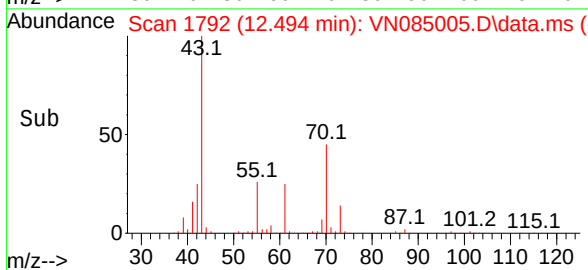
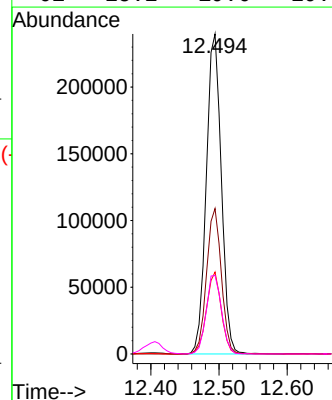
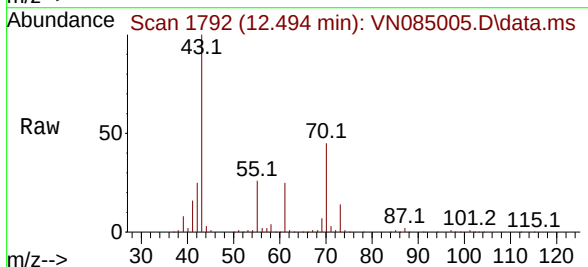
Ion Ratio Lower Upper

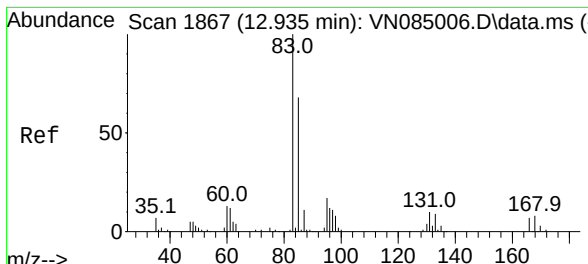
43 100

70 44.7 34.6 51.8

55 25.2 20.5 30.7

61 25.2 19.6 29.4

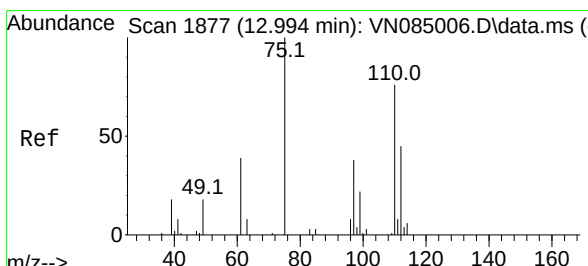
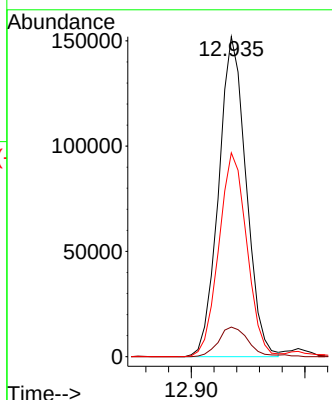
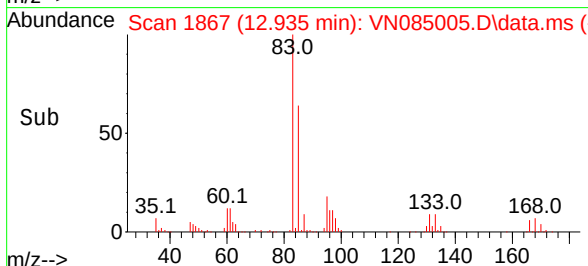
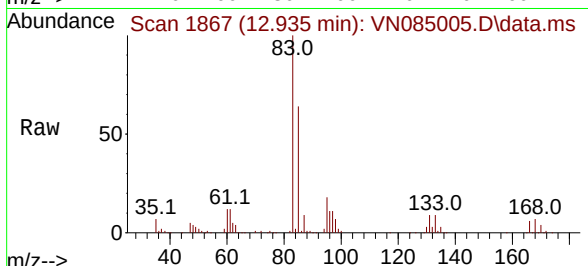




#75
 1,1,2,2-Tetrachloroethane
 Concen: 89.359 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.000 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

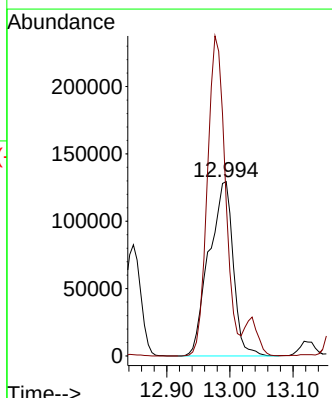
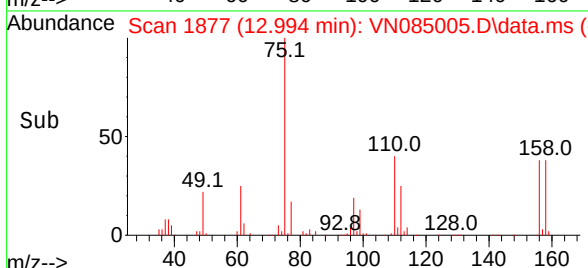
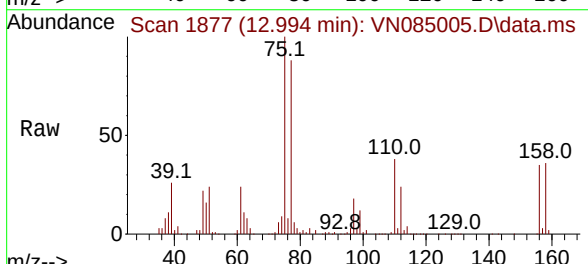
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

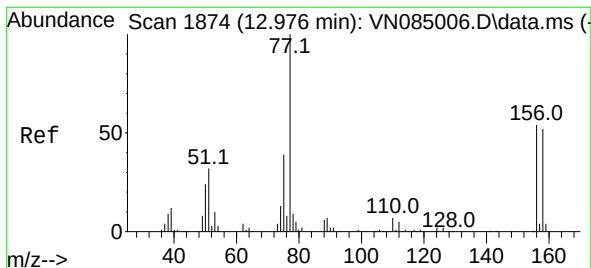
Tgt Ion:	83	Resp:	255286
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.1	15.4
85	64.9	32.1	96.3



#76
 1,2,3-Trichloropropane
 Concen: 155.169 ug/l
 RT: 12.994 min Scan# 1877
 Delta R.T. -0.000 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

Tgt Ion:	75	Resp:	344237
Ion	Ratio	Lower	Upper
75	100		
77	137.2	109.1	327.4

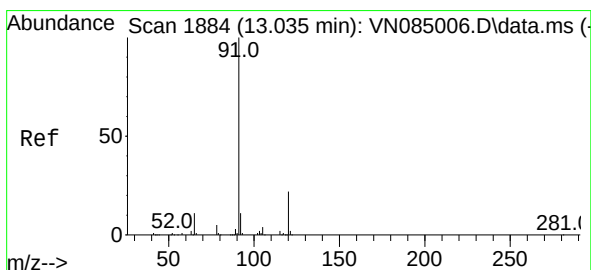
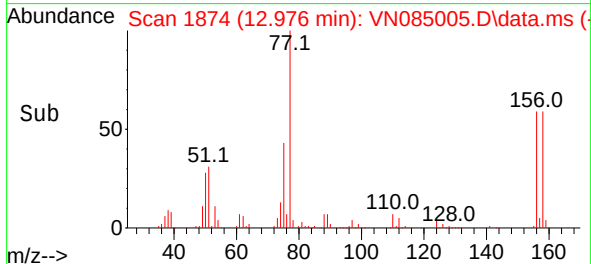
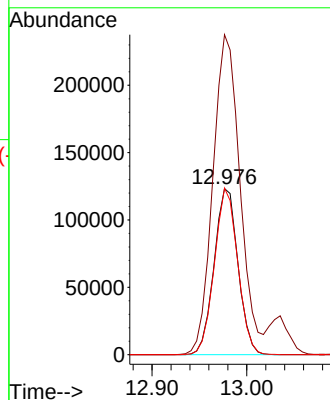
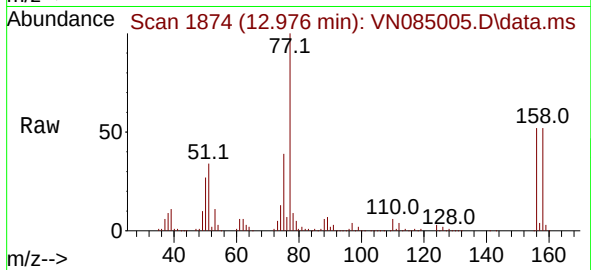




#77
Bromobenzene
Concen: 95.881 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

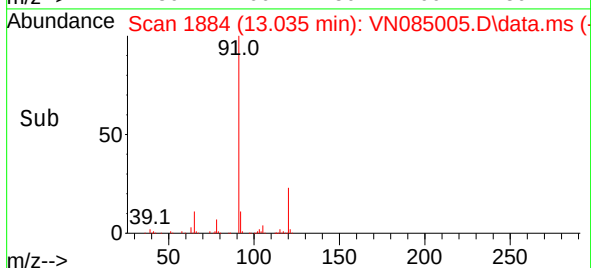
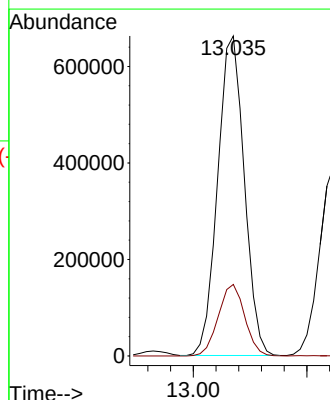
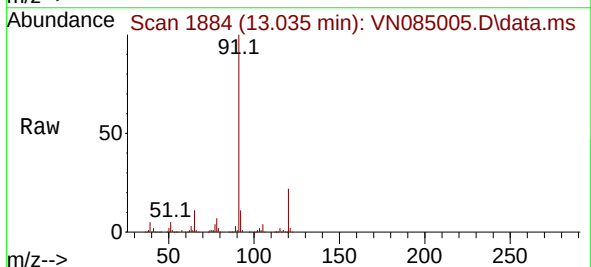
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

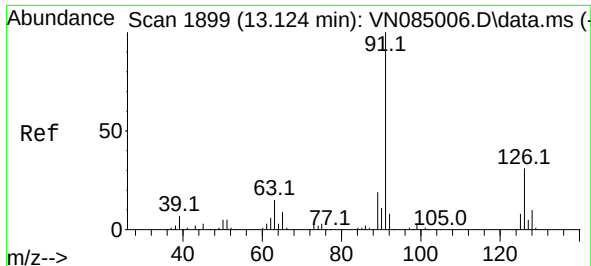
Tgt Ion:156 Resp: 215866
Ion Ratio Lower Upper
156 100
77 218.8 107.2 321.6
158 98.1 48.5 145.6



#78
n-propylbenzene
Concen: 111.753 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 1078373
Ion Ratio Lower Upper
91 100
120 22.2 11.3 33.9





#79

2-Chlorotoluene

Concen: 102.230 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

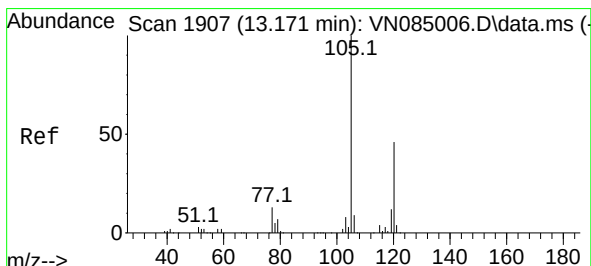
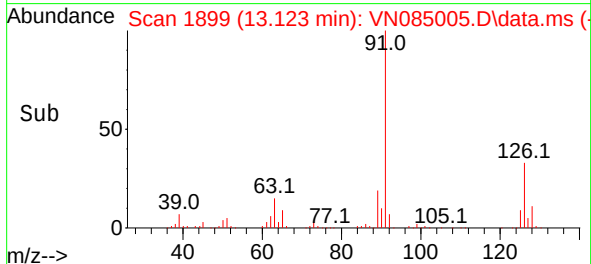
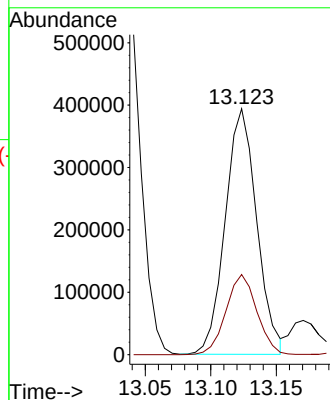
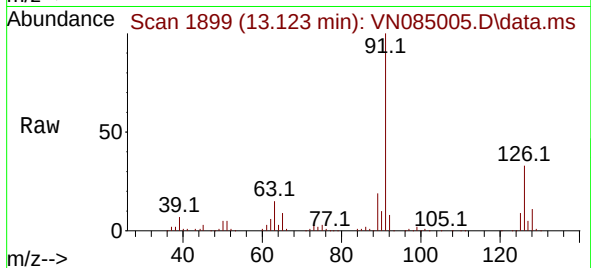
VSTDIC100

Tgt Ion: 91 Resp: 658525

Ion Ratio Lower Upper

91 100

126 32.1 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 110.573 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085005.D

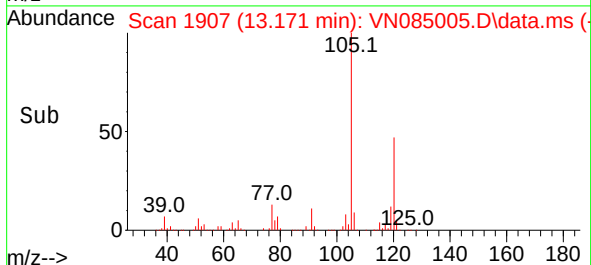
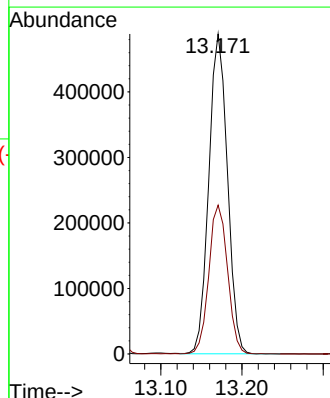
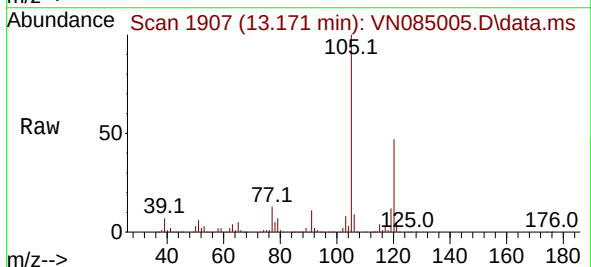
Acq: 22 Nov 2024 11:22

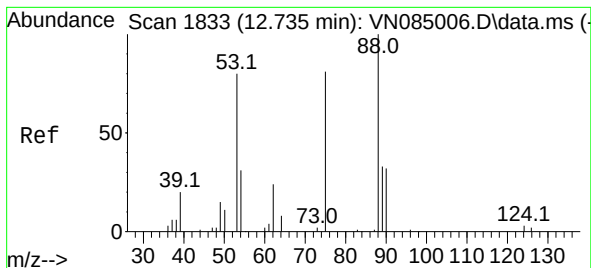
Tgt Ion:105 Resp: 776252

Ion Ratio Lower Upper

105 100

120 47.0 23.6 71.0

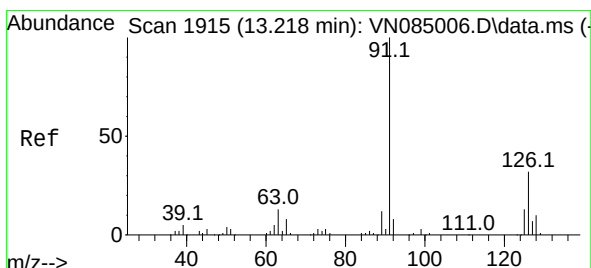
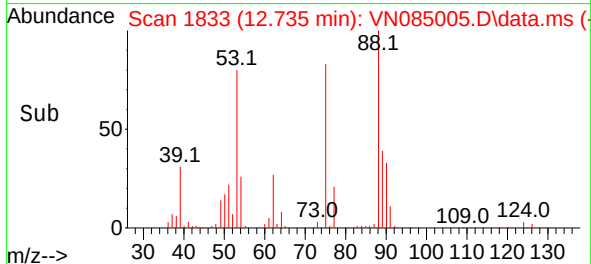
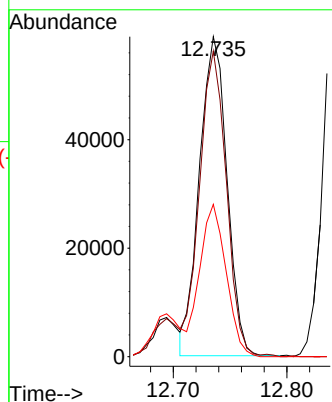
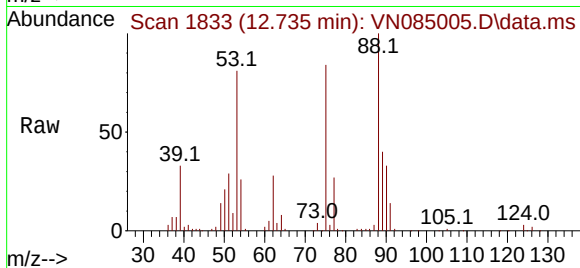




#81
trans-1,4-Dichloro-2-butene
Concen: 104.513 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

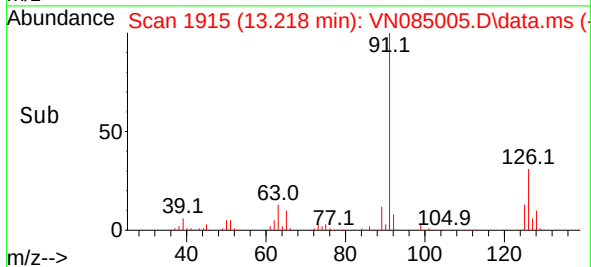
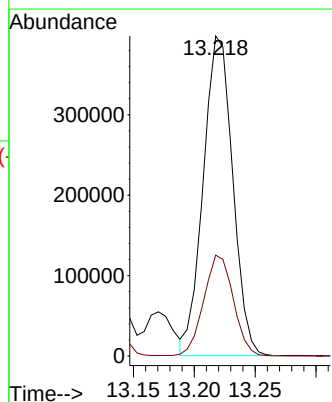
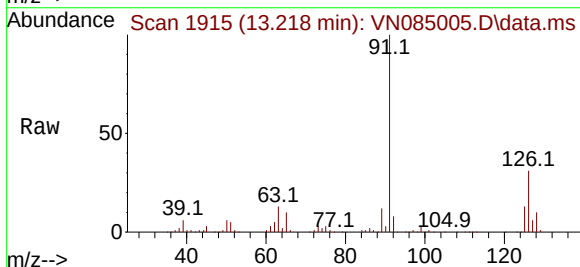
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

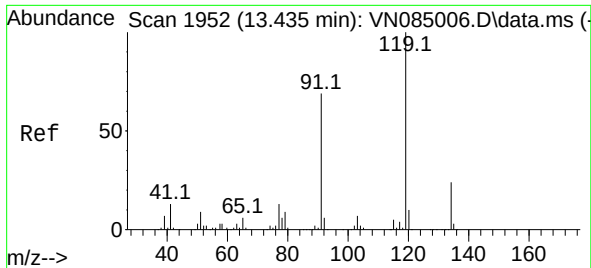
Tgt Ion: 75 Resp: 99218
Ion Ratio Lower Upper
75 100
53 93.8 78.2 117.4
89 45.5 37.9 56.9



#82
4-Chlorotoluene
Concen: 99.811 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 669311
Ion Ratio Lower Upper
91 100
126 31.8 16.1 48.3

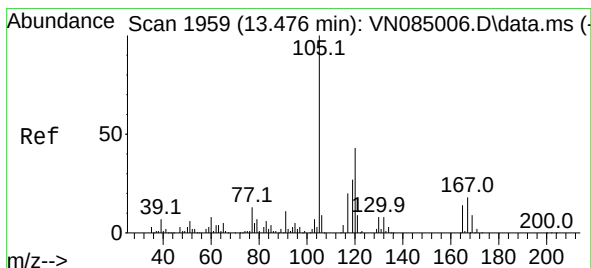
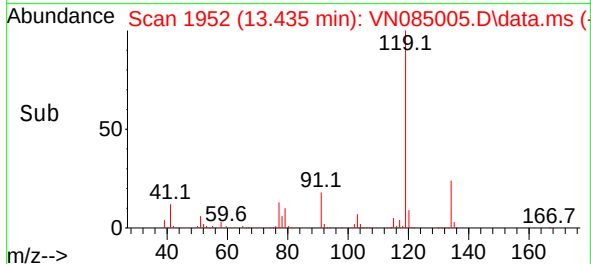
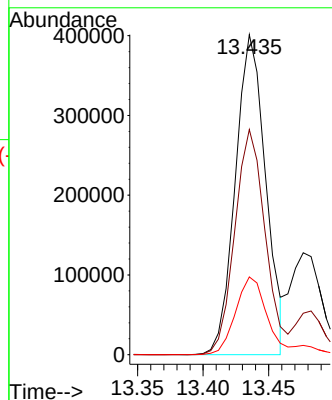
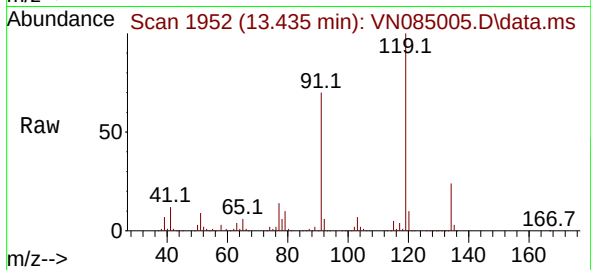




#83
tert-Butylbenzene
Concen: 107.009 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

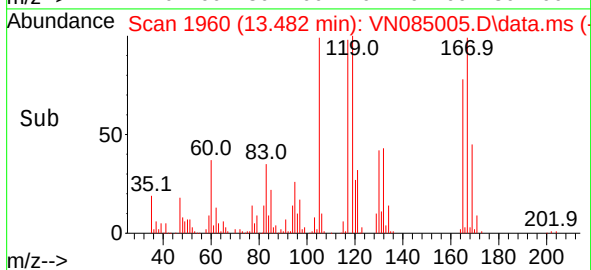
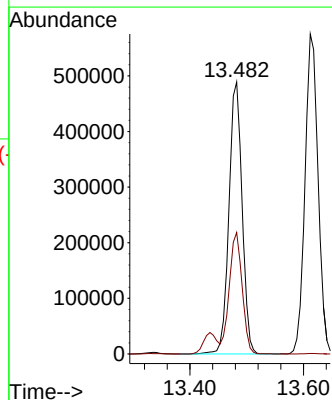
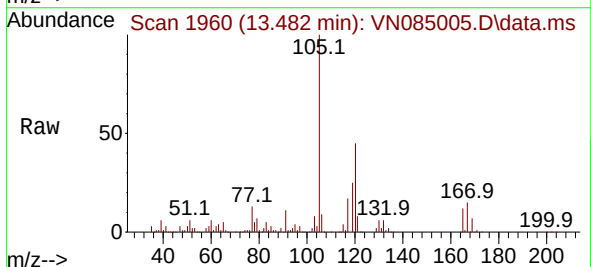
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

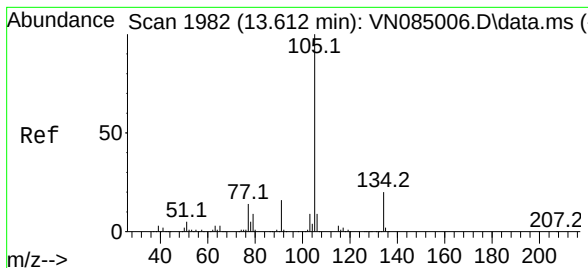
Tgt Ion:119 Resp: 646369
Ion Ratio Lower Upper
119 100
91 70.8 35.1 105.5
134 27.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 109.040 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 787962
Ion Ratio Lower Upper
105 100
120 43.7 21.8 65.4

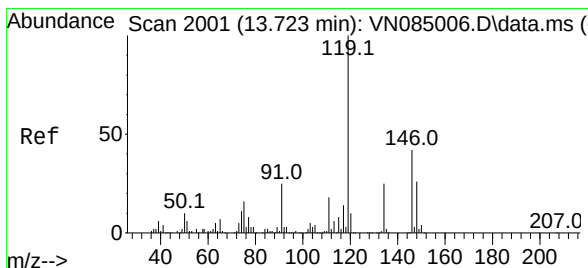
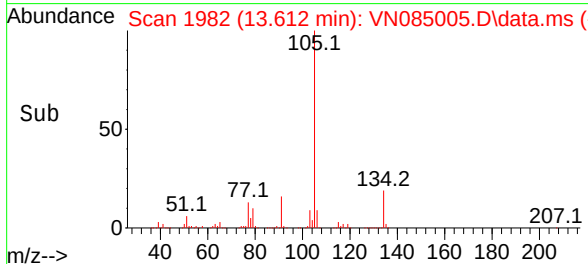
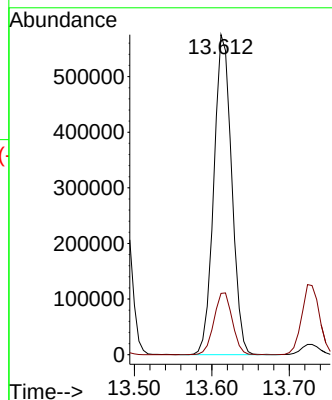
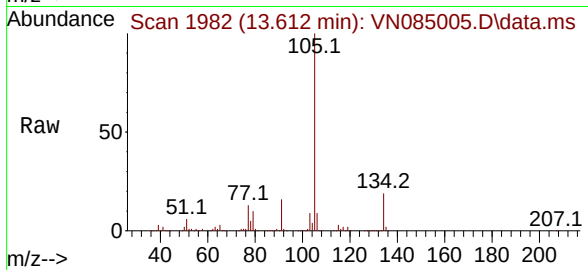




#85
 sec-Butylbenzene
 Concen: 112.777 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

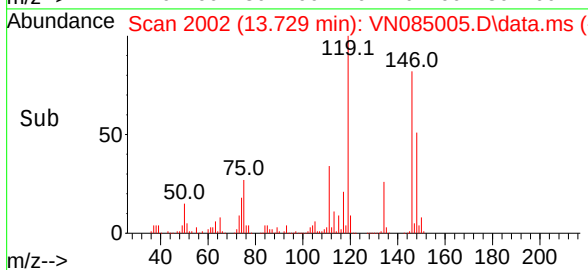
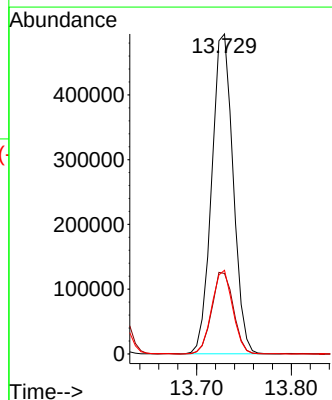
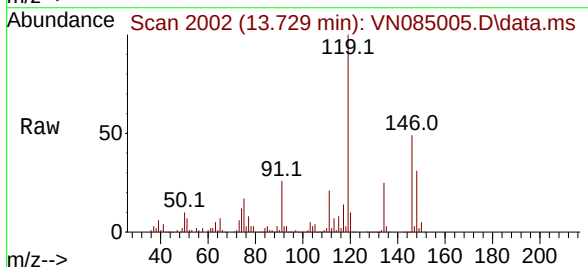
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

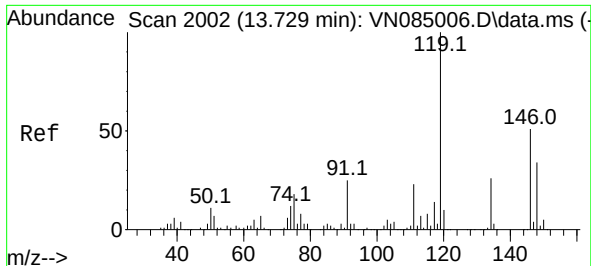
Tgt Ion:105 Resp: 920223
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 115.104 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 775322
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 91.842 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

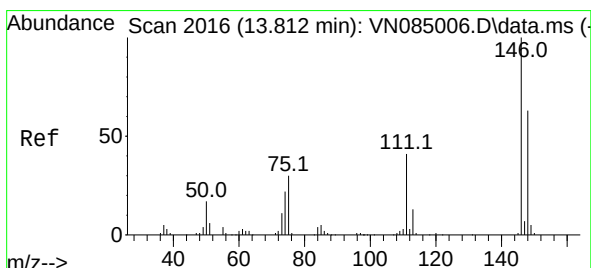
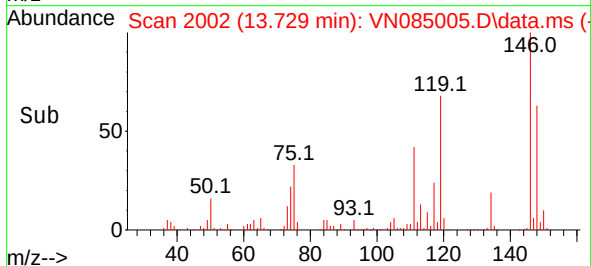
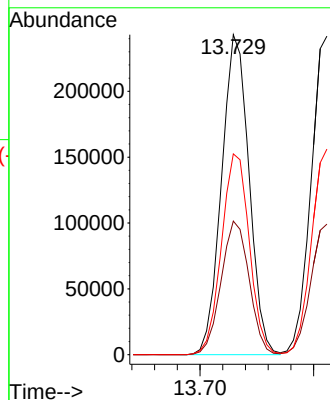
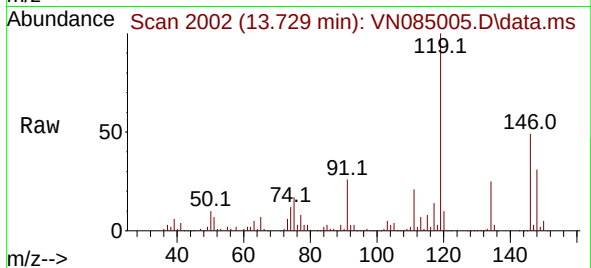
Tgt Ion:146 Resp: 407844

Ion Ratio Lower Upper

146 100

111 42.7 21.6 65.0

148 63.7 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 90.361 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

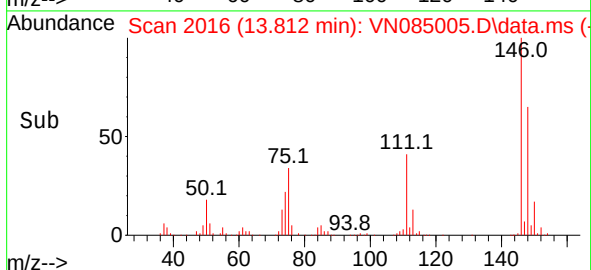
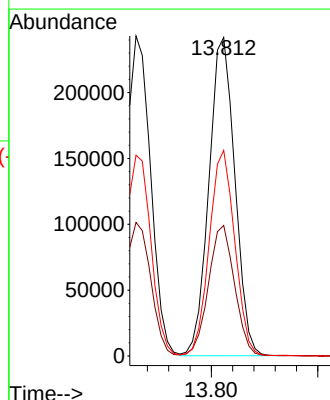
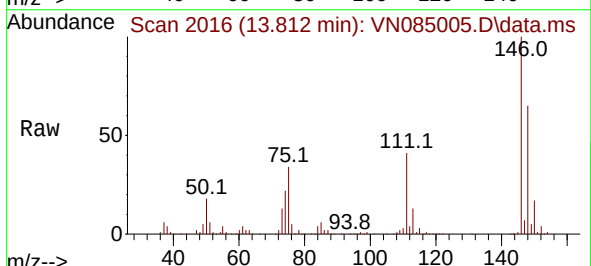
Tgt Ion:146 Resp: 409489

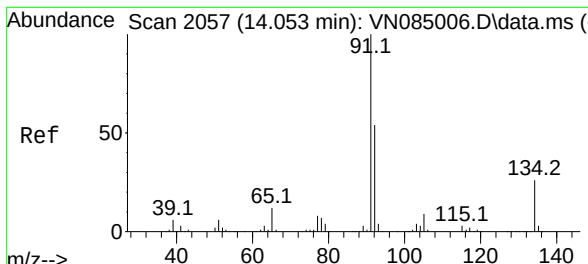
Ion Ratio Lower Upper

146 100

111 41.4 20.9 62.8

148 63.6 31.3 93.9



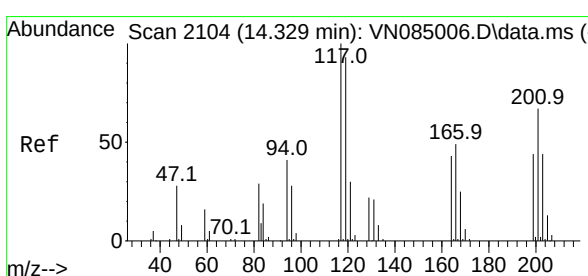
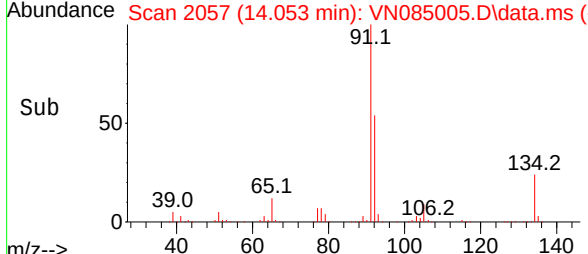
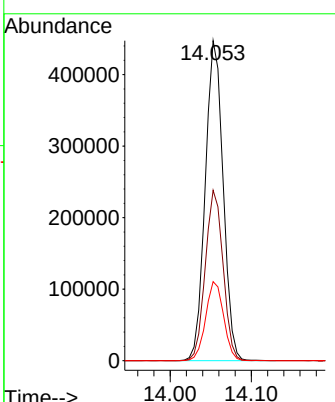
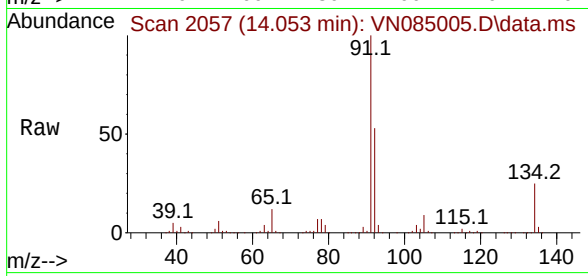


#89
 n-Butylbenzene
 Concen: 109.120 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tgt Ion: 91 Resp: 683538

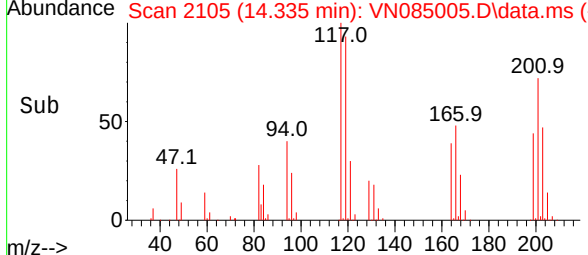
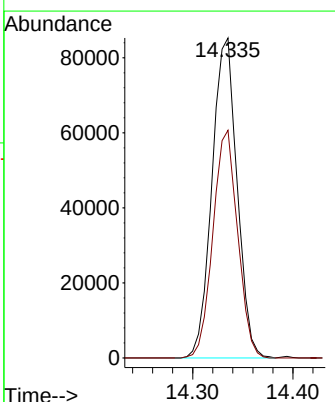
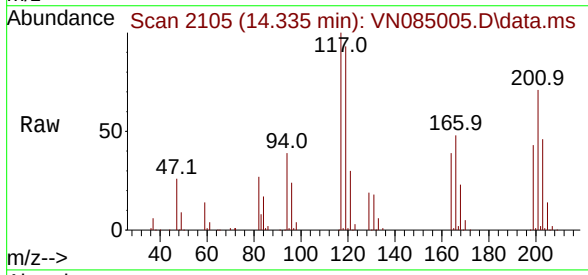
Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.3
134	24.9	12.8	38.4

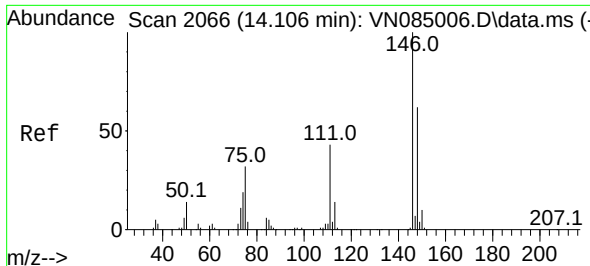


#90
 Hexachloroethane
 Concen: 100.783 ug/l
 RT: 14.335 min Scan# 2105
 Delta R.T. 0.006 min
 Lab File: VN085005.D
 Acq: 22 Nov 2024 11:22

Tgt Ion: 117 Resp: 147973

Ion	Ratio	Lower	Upper
117	100		
201	70.1	35.2	105.6

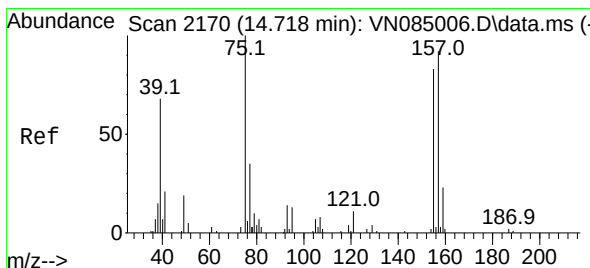
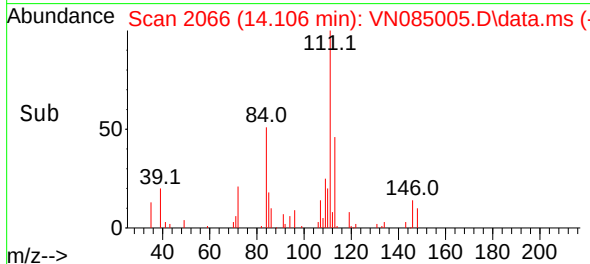
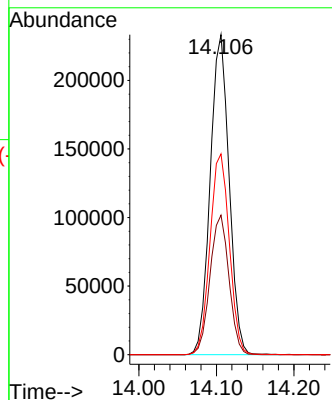
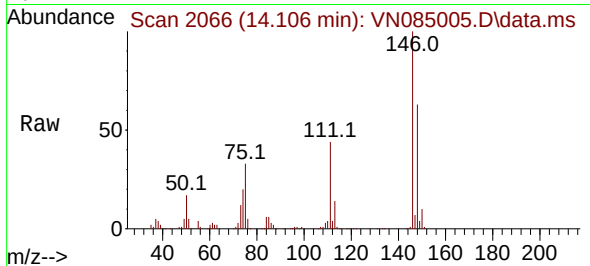




#91
1,2-Dichlorobenzene
Concen: 92.796 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

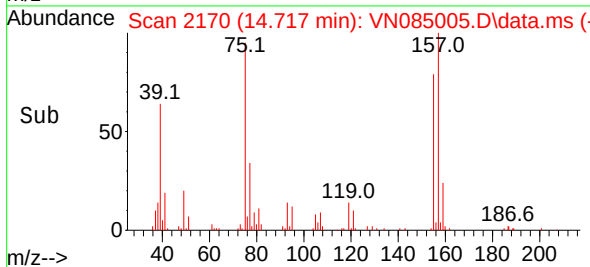
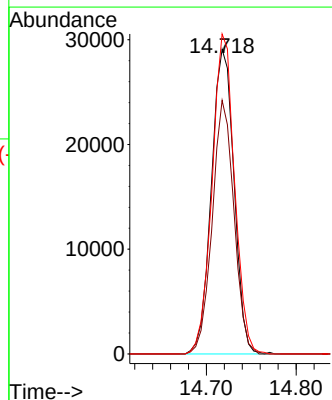
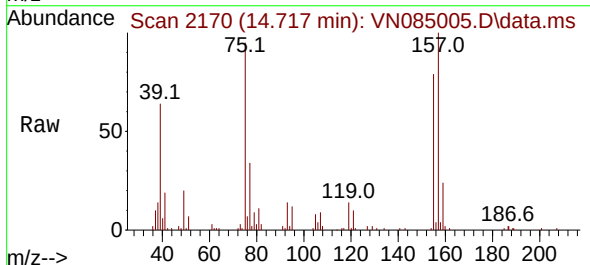
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

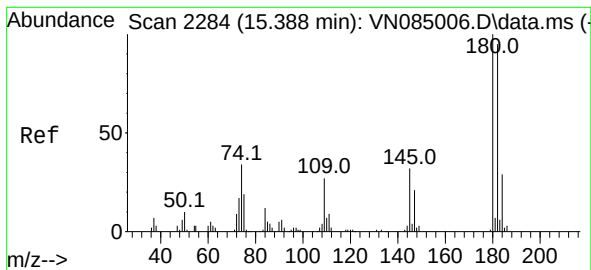
Tgt Ion:146 Resp: 394872
Ion Ratio Lower Upper
146 100
111 43.9 21.9 65.8
148 64.3 31.1 93.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 92.071 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085005.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 50863
Ion Ratio Lower Upper
75 100
155 79.9 38.9 116.7
157 104.3 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 95.107 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

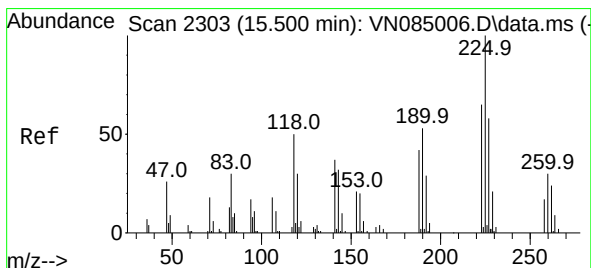
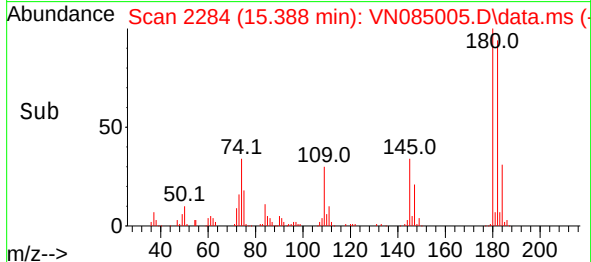
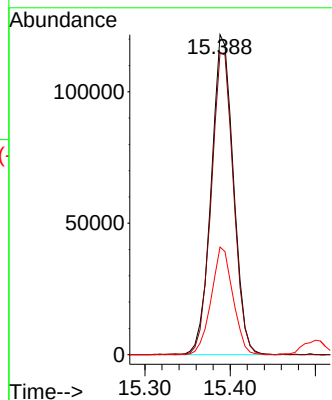
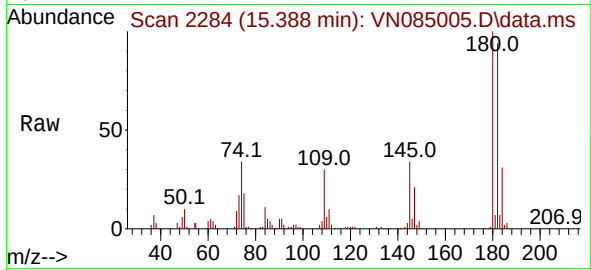
Tgt Ion:180 Resp: 219866

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.8

145 33.0 16.3 48.8



#94

Hexachlorobutadiene

Concen: 92.405 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

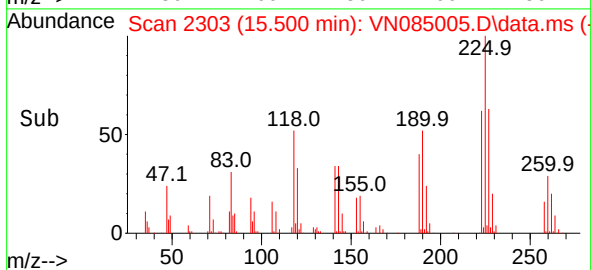
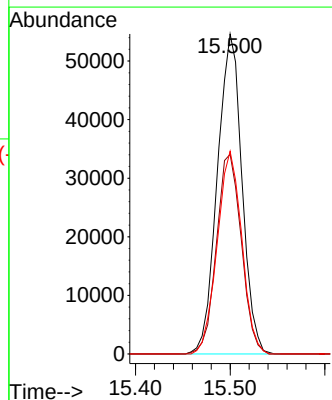
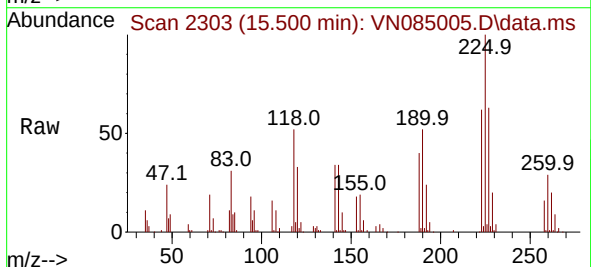
Tgt Ion:225 Resp: 98588

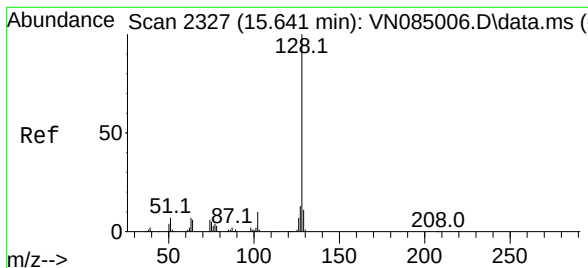
Ion Ratio Lower Upper

225 100

223 63.1 30.9 92.8

227 63.2 31.5 94.5





#95

Naphthalene

Concen: 104.183 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

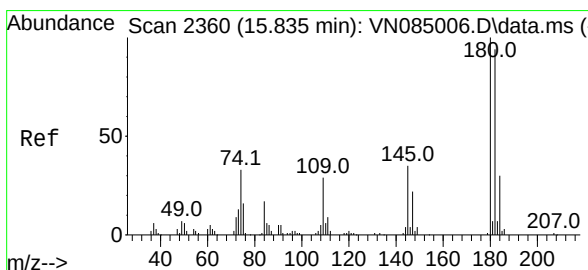
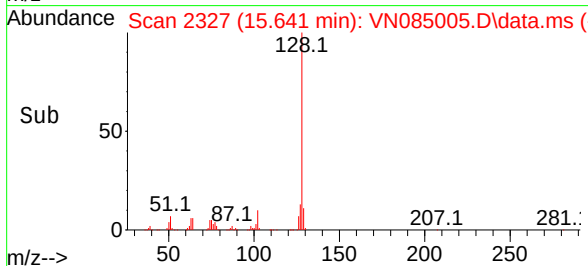
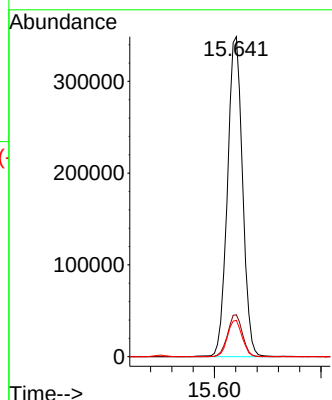
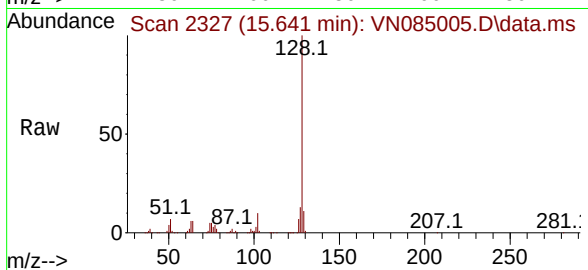
Tgt Ion:128 Resp: 685964

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 11.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 99.092 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085005.D

Acq: 22 Nov 2024 11:22

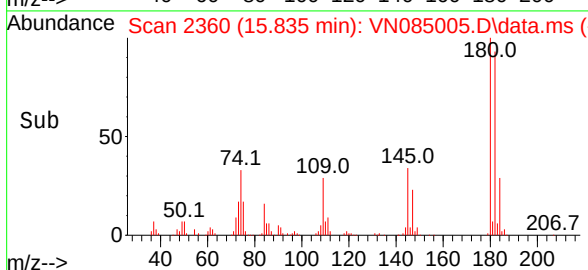
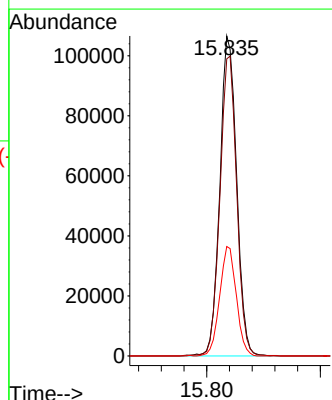
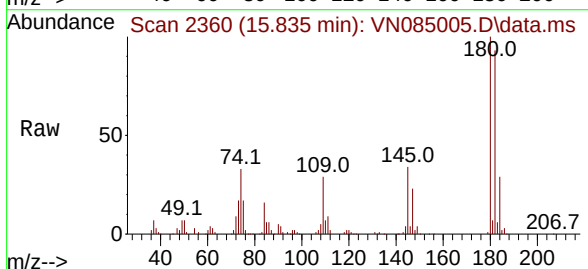
Tgt Ion:180 Resp: 218578

Ion Ratio Lower Upper

180 100

182 93.8 46.4 139.2

145 33.9 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.400%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l 100
3) Chloromethane	2.360	50	96463	45.027	ug/l 100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l 100
5) Bromomethane	2.901	94	50828	47.102	ug/l 100
6) Chloroethane	3.065	64	61844	47.657	ug/l 100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l 100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l 100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l 100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l 100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l 100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l 100
13) Acrolein	4.165	56	57099	275.201	ug/l 100
14) Allyl chloride	5.006	41	144773	49.531	ug/l 100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l 100
16) Acetone	4.424	43	165611	244.384	ug/l 100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l 100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l 100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l 100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l 100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l 100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l 100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l 100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l 100
25) 2-Butanone	7.483	43	270539	244.184	ug/l 100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l 100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l 100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l 100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l 100
30) Chloroform	7.959	83	179452	47.921	ug/l 100
31) Cyclohexane	8.253	56	144139	46.504	ug/l 100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l 100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l 100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l 100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l 100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l 100
40) Benzene	8.600	78	386616	49.297	ug/l 100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l	100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l	100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l	100
44) Trichloroethene	9.347	130	88746	48.692	ug/l	100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l	100
46) Dibromomethane	9.706	93	66370	49.447	ug/l	100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l	100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l	100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l	100
52) Toluene	10.624	92	240730	51.850	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l	100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l	100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l	100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l	100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l	100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l	100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l	100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l	100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l	100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l	100
69) o-Xylene	12.394	106	164137	53.059	ug/l	100
70) Styrene	12.406	104	277349	53.912	ug/l	100
71) Bromoform	12.576	173	71858	52.221	ug/l #	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l	100
74) N-amyl acetate	12.494	43	177685	53.396	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	168352	78.620	ug/l	47
77) Bromobenzene	12.976	156	105184	48.402	ug/l	100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l	100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l	100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l	100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l	100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l	100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l	100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l	100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l	100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l	100
95) Naphthalene	15.641	128	324523	51.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l	100

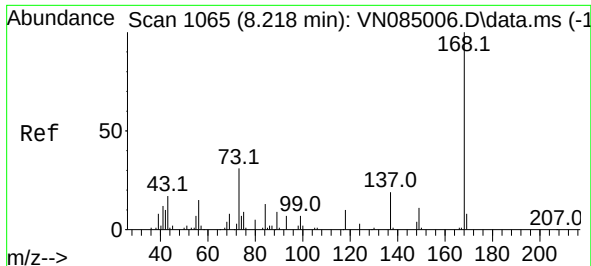
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Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

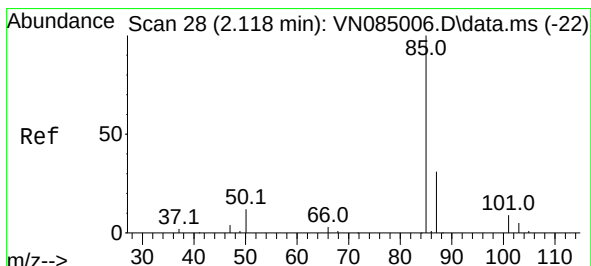
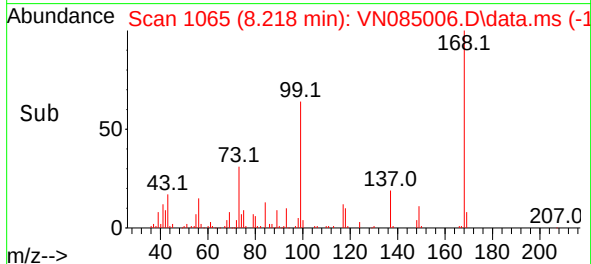
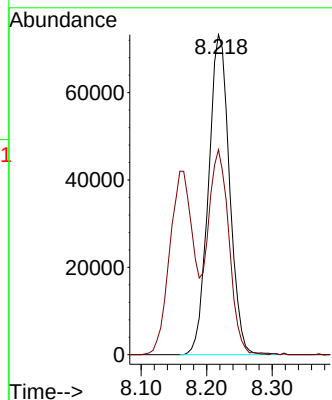
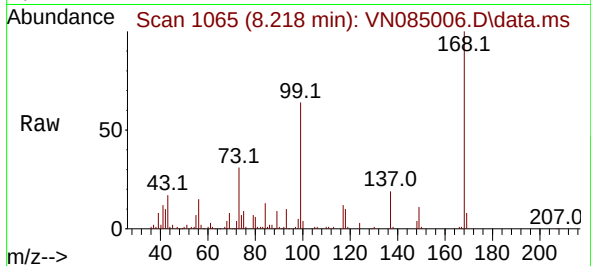
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

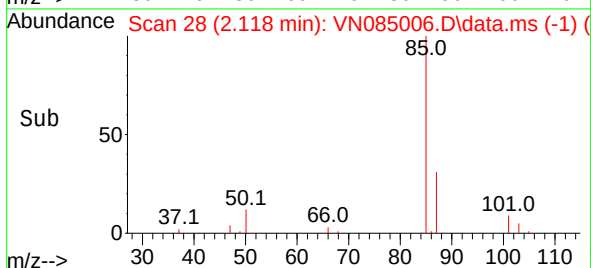
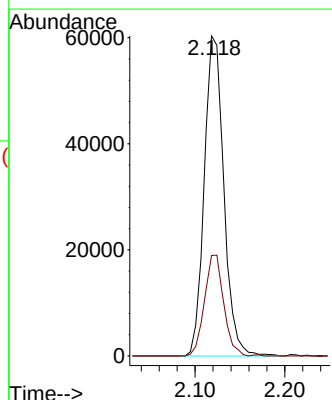
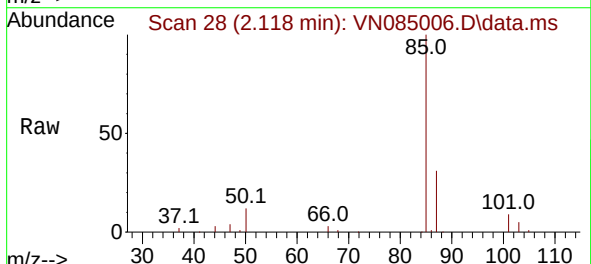
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ClientSampleId :
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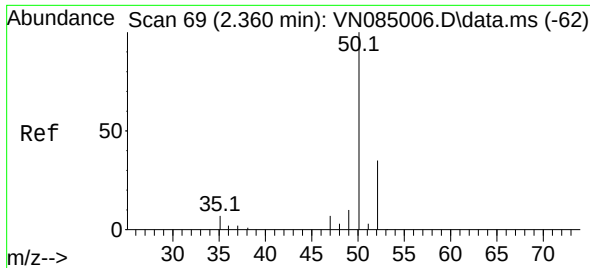
Tgt Ion:168 Resp: 163353
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.512 ug/l
RT: 2.118 min Scan# 28
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 85 Resp: 91455
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.1

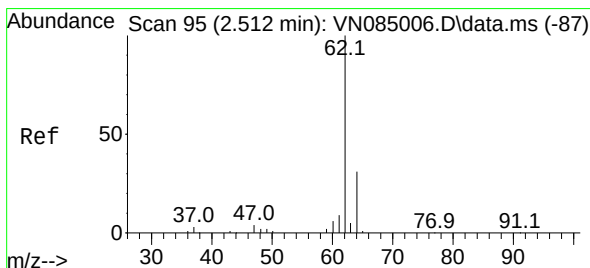
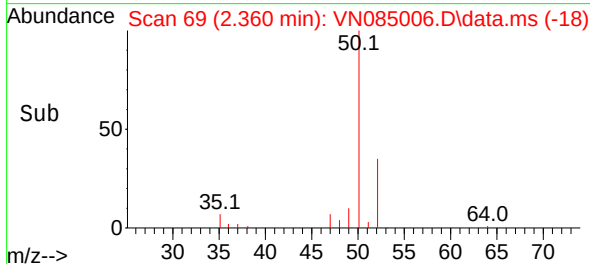
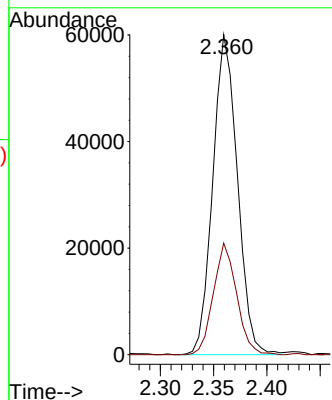
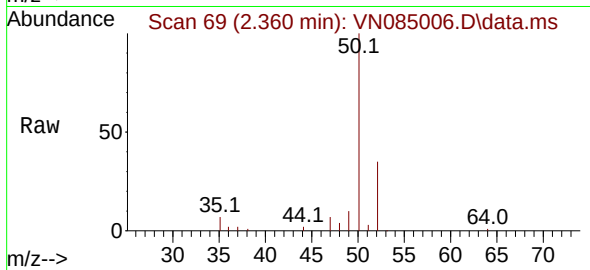




#3
Chloromethane
Concen: 45.027 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

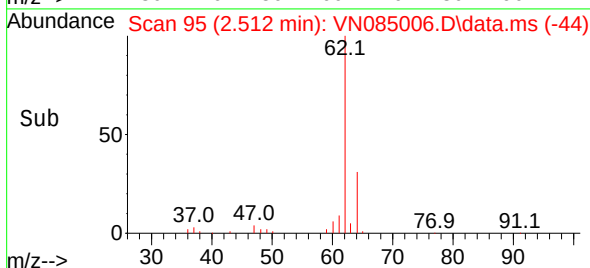
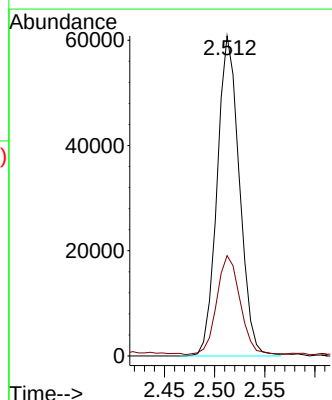
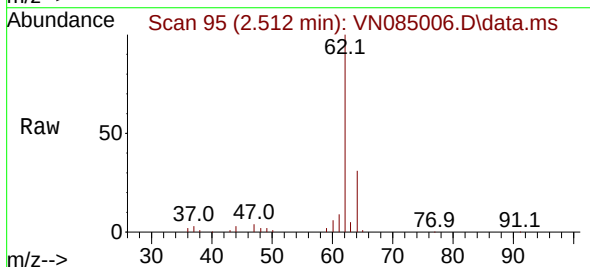
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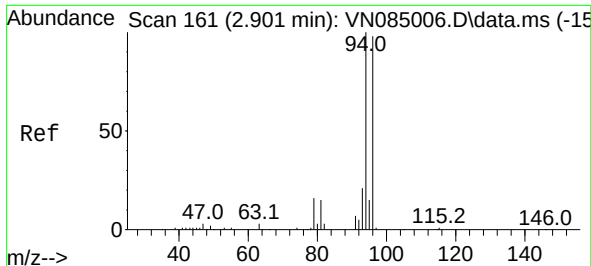
Tgt Ion: 50 Resp: 96463
Ion Ratio Lower Upper
50 100
52 34.8 27.8 41.8



#4
Vinyl Chloride
Concen: 48.804 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 93960
Ion Ratio Lower Upper
62 100
64 30.7 24.6 36.8

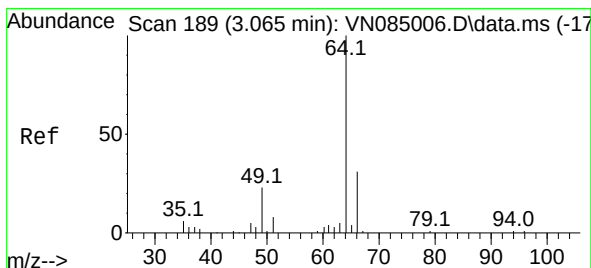
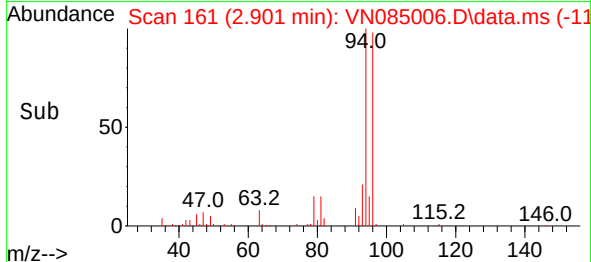
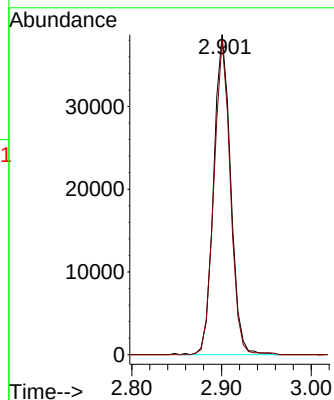
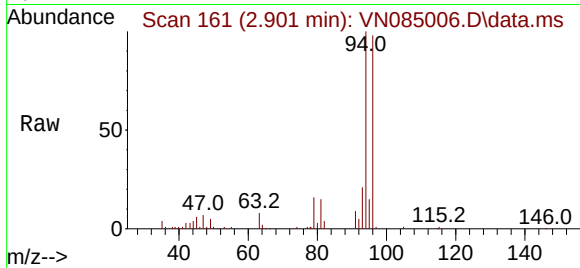




#5
Bromomethane
Concen: 47.102 ug/l
RT: 2.901 min Scan# 161
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

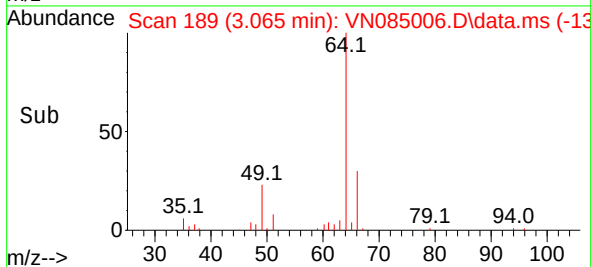
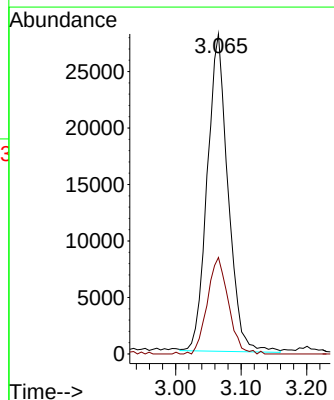
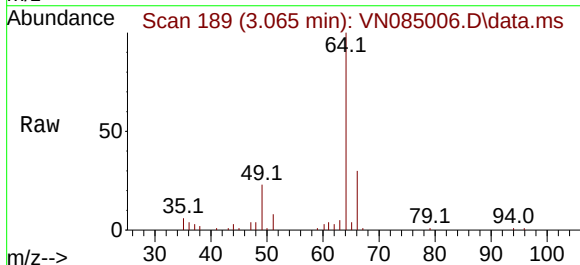
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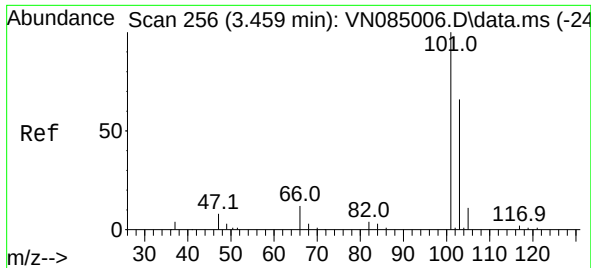
Tgt Ion: 94 Resp: 50828
Ion Ratio Lower Upper
94 100
96 98.4 78.7 118.1



#6
Chloroethane
Concen: 47.657 ug/l
RT: 3.065 min Scan# 189
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 64 Resp: 61844
Ion Ratio Lower Upper
64 100
66 30.5 24.4 36.6

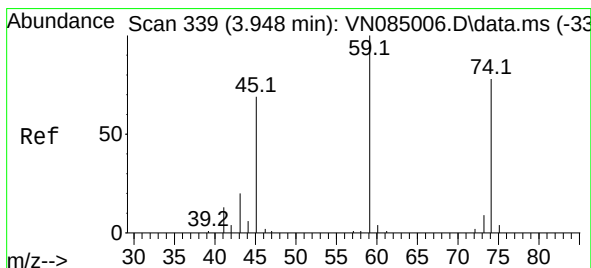
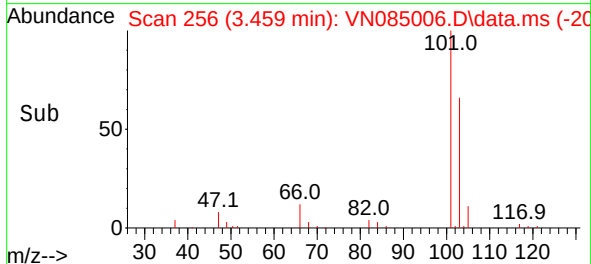
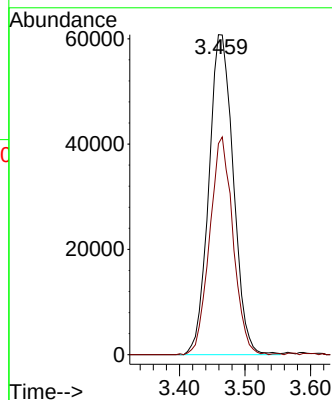
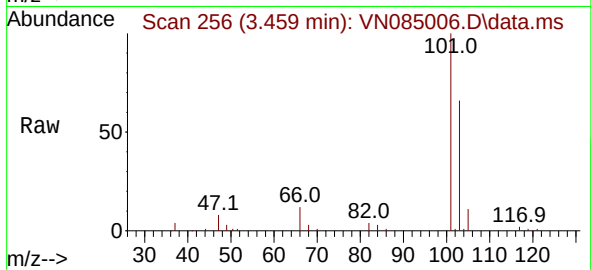




#7
 Trichlorofluoromethane
 Concen: 48.134 ug/l
 RT: 3.459 min Scan# 256
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

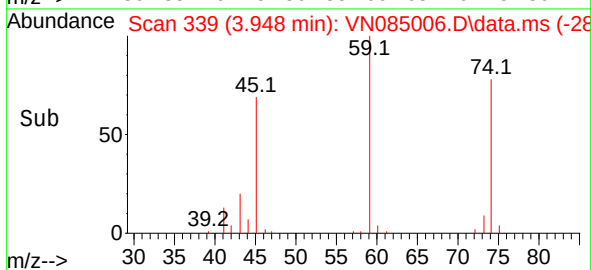
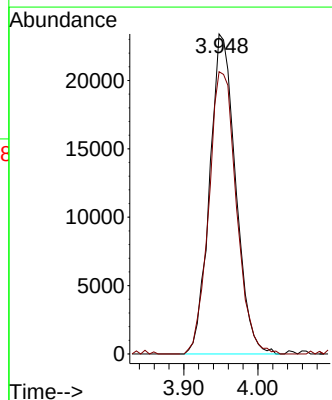
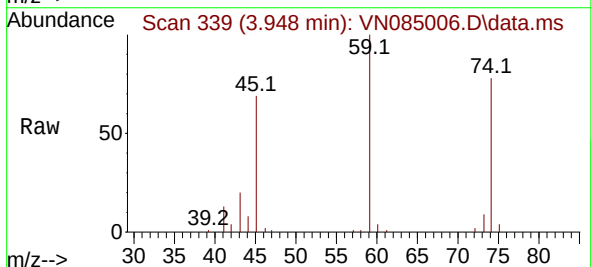
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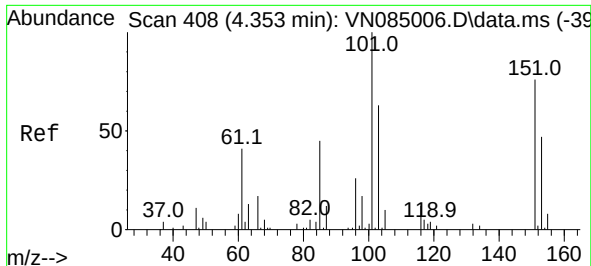
Tgt Ion:101 Resp: 157642
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8



#8
 Diethyl Ether
 Concen: 51.145 ug/l
 RT: 3.948 min Scan# 339
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

Tgt Ion: 74 Resp: 57011
 Ion Ratio Lower Upper
 74 100
 45 93.4 46.7 140.1

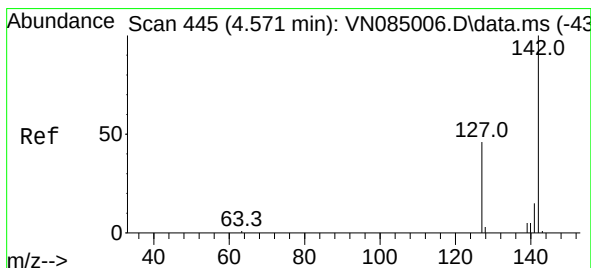
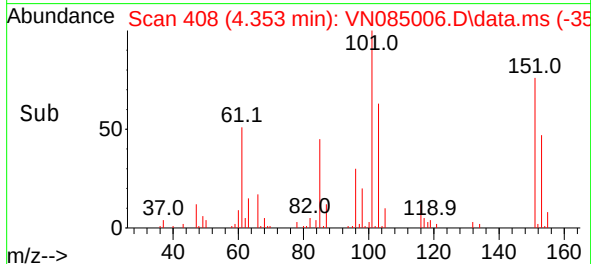
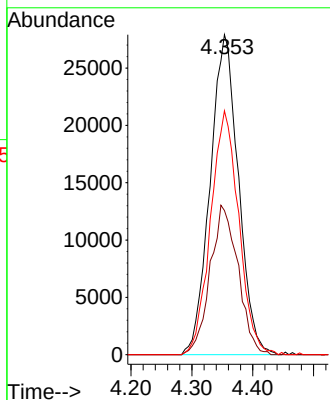
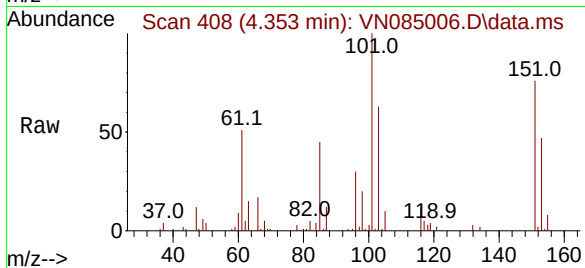




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.495 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

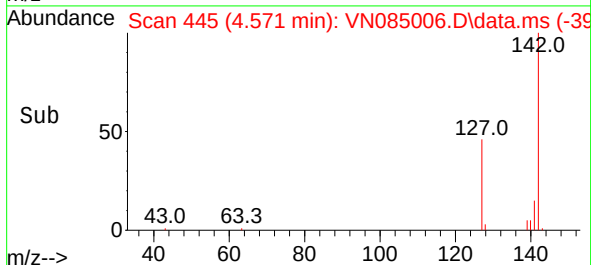
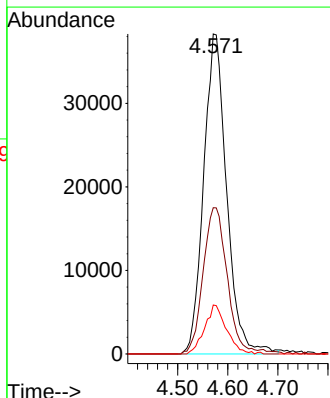
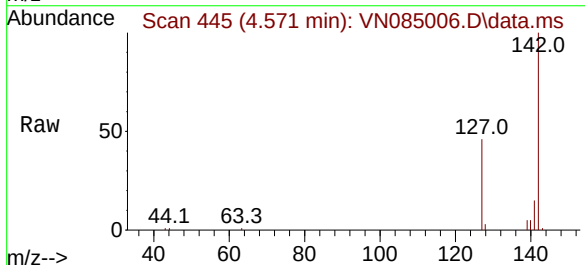
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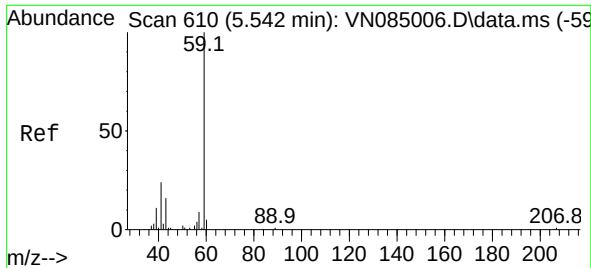
Tgt Ion:101 Resp: 90080
Ion Ratio Lower Upper
101 100
85 46.1 36.9 55.3
151 76.0 60.8 91.2



#10
Methyl Iodide
Concen: 49.653 ug/l
RT: 4.571 min Scan# 445
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:142 Resp: 122086
Ion Ratio Lower Upper
142 100
127 45.7 36.6 54.8
141 15.3 12.2 18.4

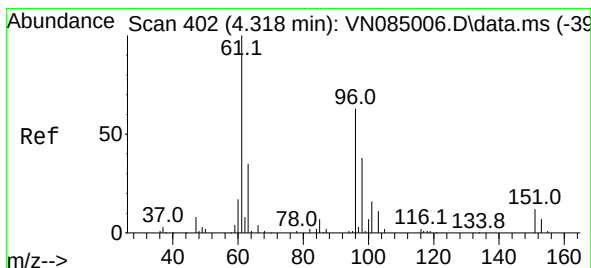
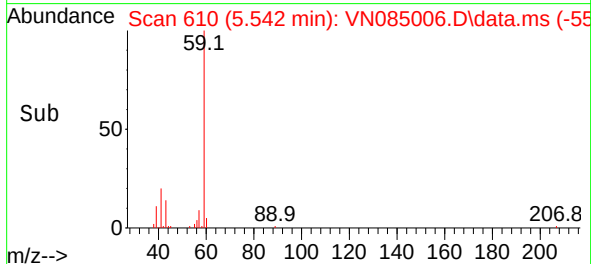
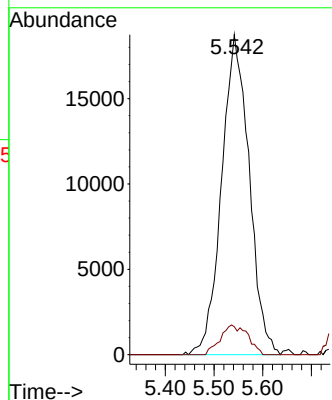
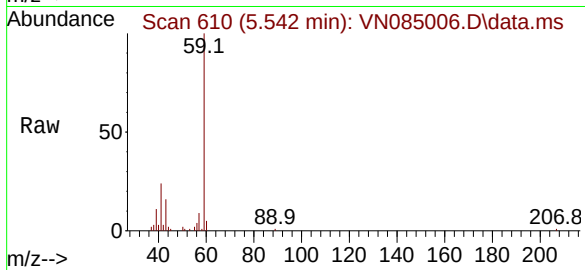




#11
Tert butyl alcohol
Concen: 237.049 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

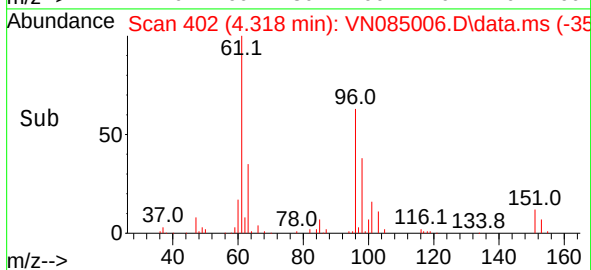
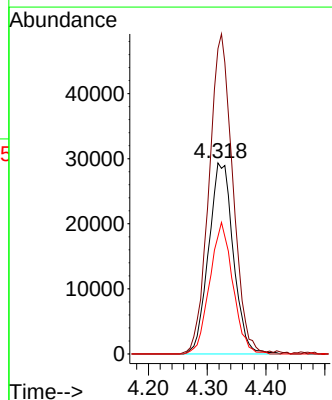
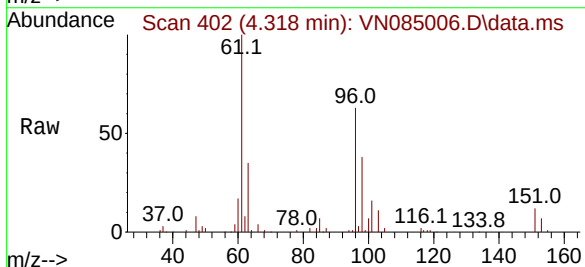
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VSTDICCC050

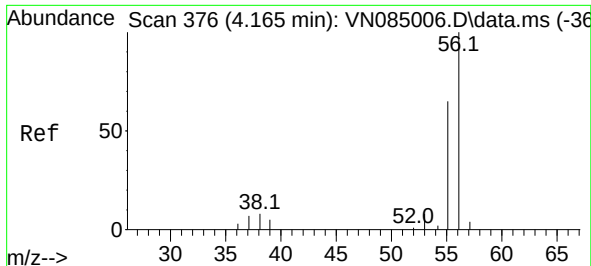
Tgt Ion: 59 Resp: 73708
Ion Ratio Lower Upper
59 100
57 9.2 7.4 11.0



#12
1,1-Dichloroethene
Concen: 49.324 ug/l
RT: 4.318 min Scan# 402
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 96 Resp: 85520
Ion Ratio Lower Upper
96 100
61 159.8 127.8 191.8
98 61.5 49.2 73.8

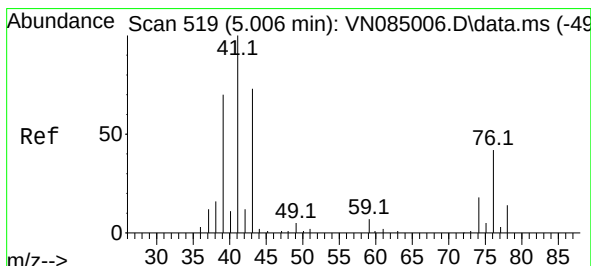
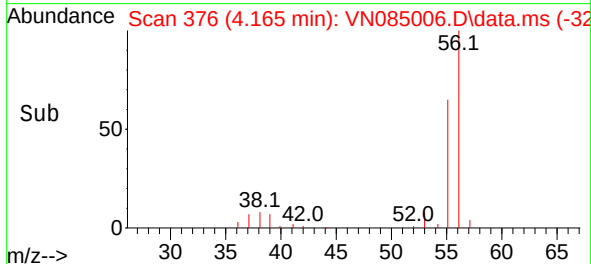
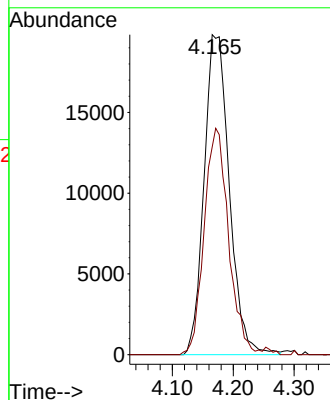
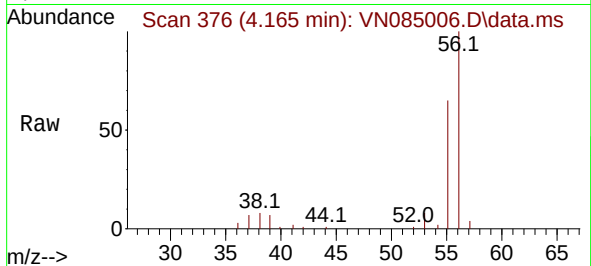




#13
Acrolein
Concen: 275.201 ug/l
RT: 4.165 min Scan# 376
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

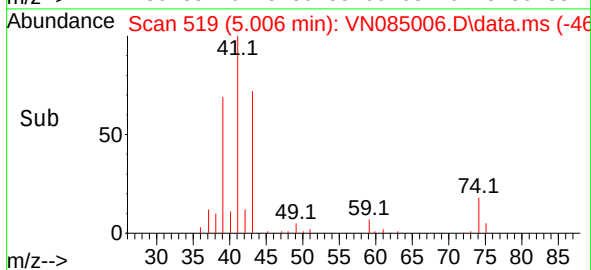
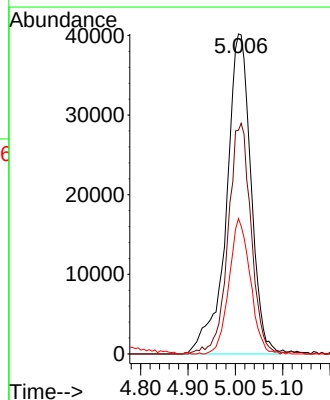
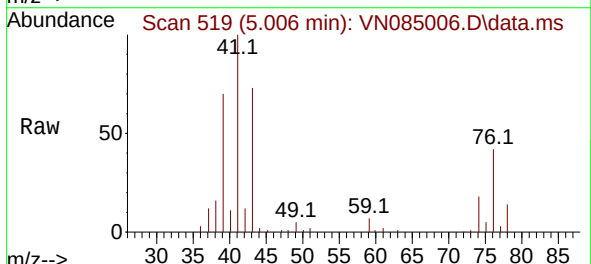
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

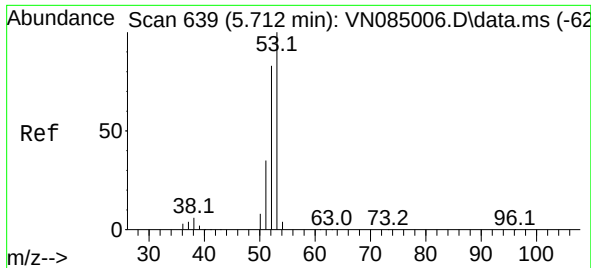
Tgt Ion: 56 Resp: 57099
Ion Ratio Lower Upper
56 100
55 68.1 54.5 81.7



#14
Allyl chloride
Concen: 49.531 ug/l
RT: 5.006 min Scan# 519
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 144773
Ion Ratio Lower Upper
41 100
39 67.3 53.8 80.8
76 36.6 29.3 43.9

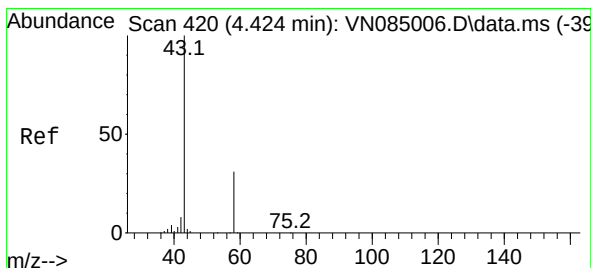
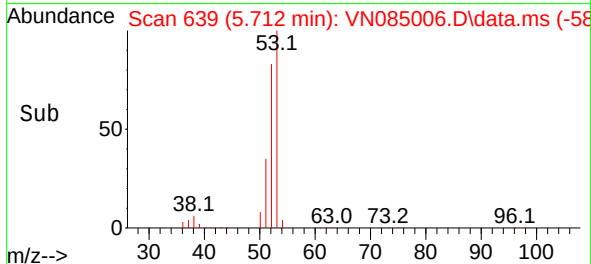
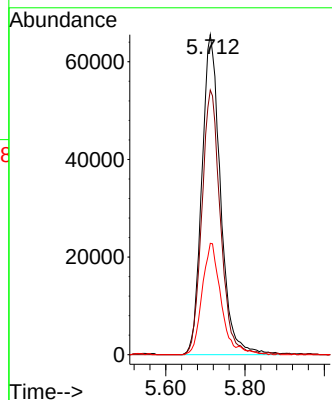
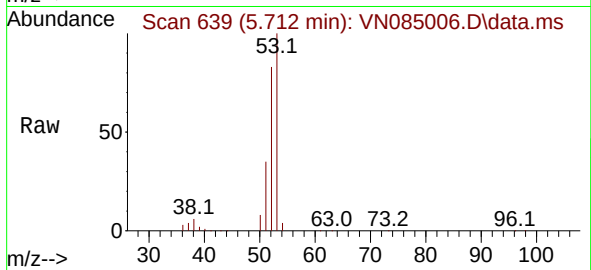




#15
Acrylonitrile
Concen: 243.910 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

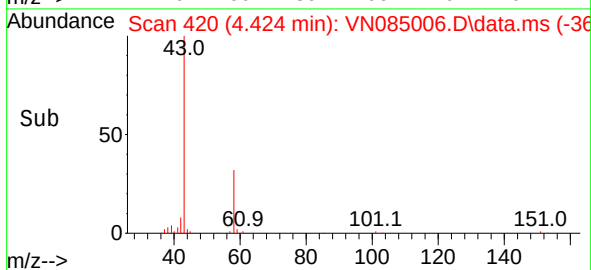
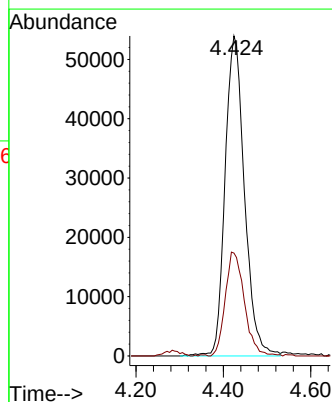
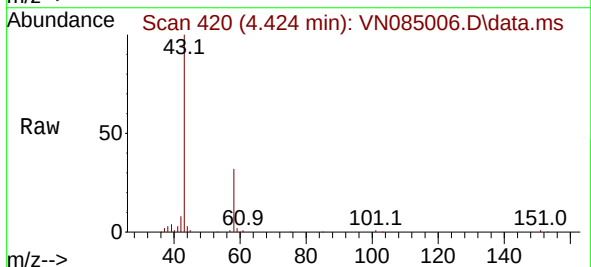
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

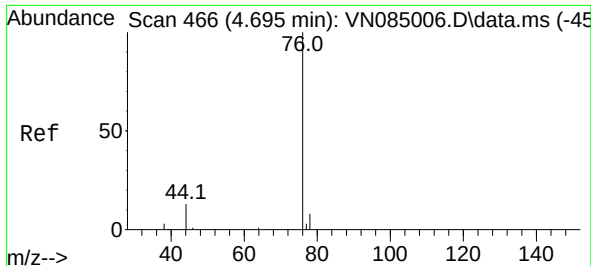
Tgt Ion: 53 Resp: 214719
Ion Ratio Lower Upper
53 100
52 81.9 65.5 98.3
51 35.5 28.4 42.6



#16
Acetone
Concen: 244.384 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 165611
Ion Ratio Lower Upper
43 100
58 31.8 25.4 38.2

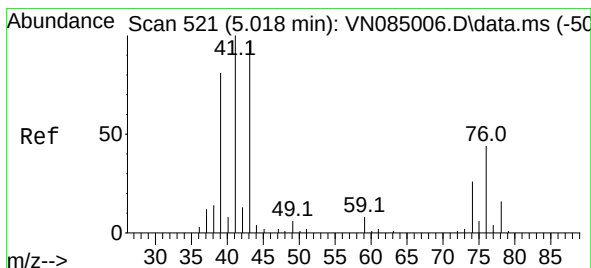
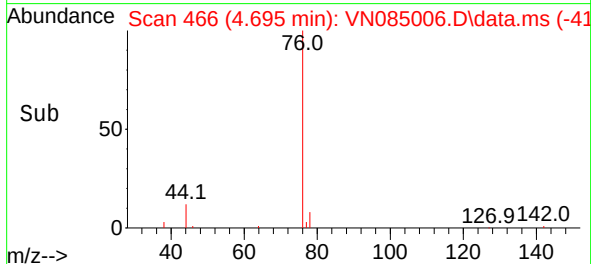
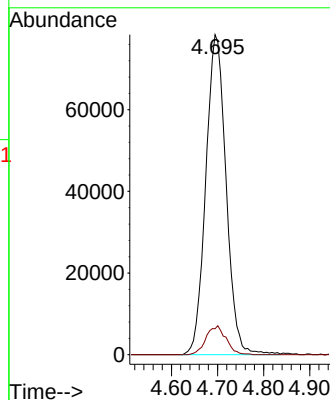
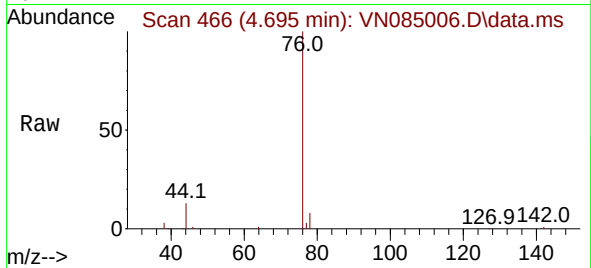




#17
Carbon Disulfide
Concen: 46.996 ug/l
RT: 4.695 min Scan# 466
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

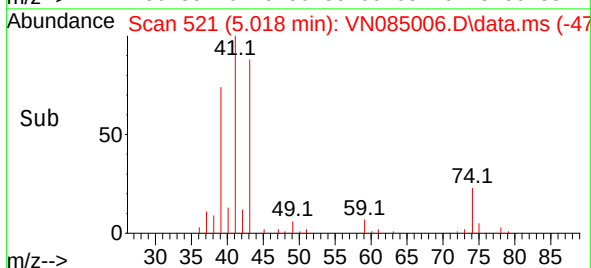
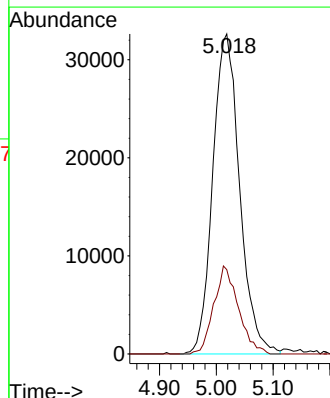
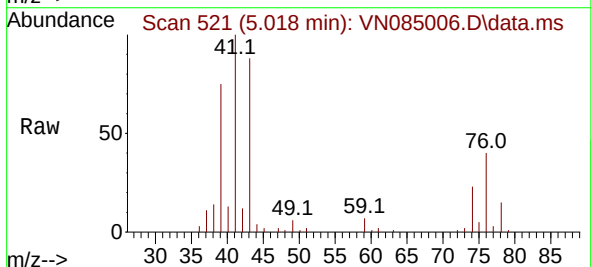
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

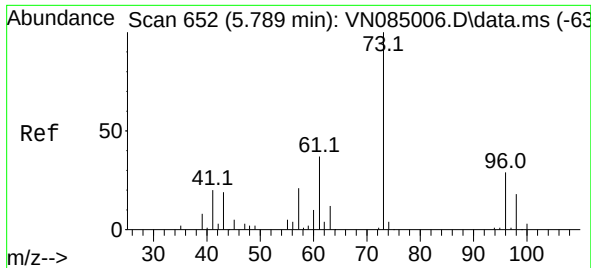
Tgt Ion: 76 Resp: 240507
Ion Ratio Lower Upper
76 100
78 8.1 6.5 9.7



#18
Methyl Acetate
Concen: 49.436 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 107105
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 50.982 ug/l

RT: 5.789 min Scan# 652

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

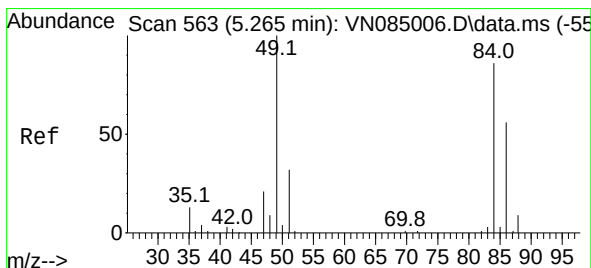
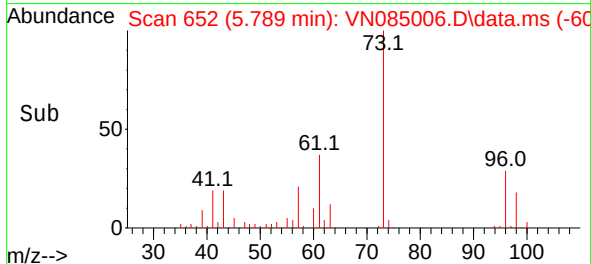
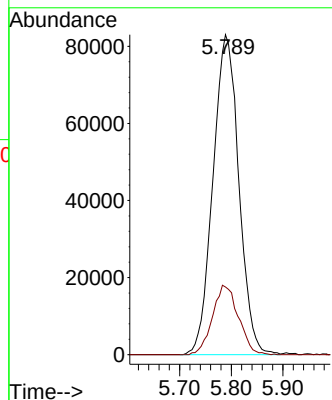
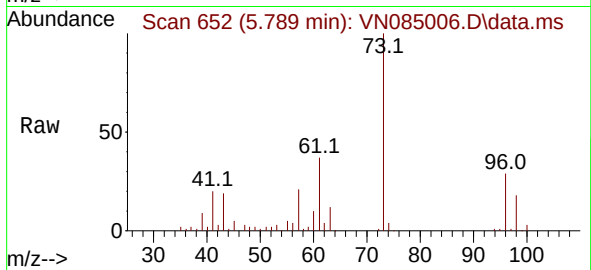
VSTDICCC050

Tgt Ion: 73 Resp: 288810

Ion Ratio Lower Upper

73 100

57 21.2 17.0 25.4



#20

Methylene Chloride

Concen: 46.464 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 84 Resp: 96084

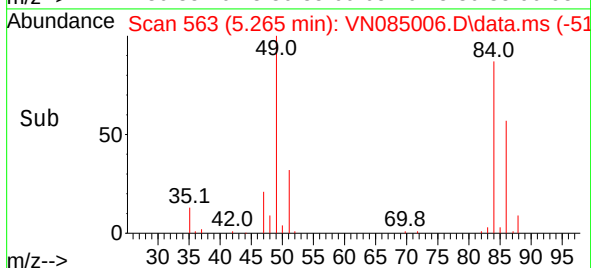
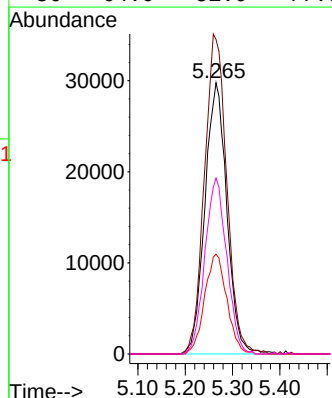
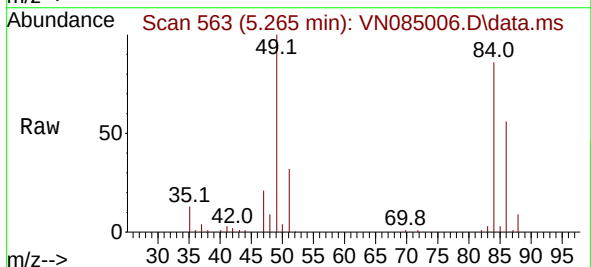
Ion Ratio Lower Upper

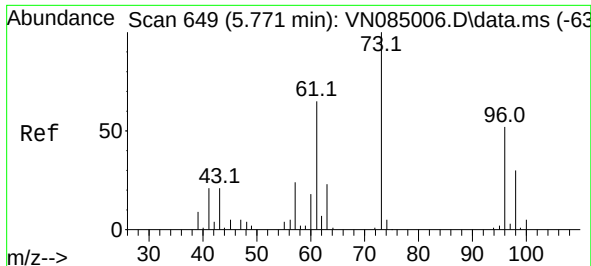
84 100

49 115.9 92.7 139.1

51 36.8 29.4 44.2

86 64.9 51.9 77.9

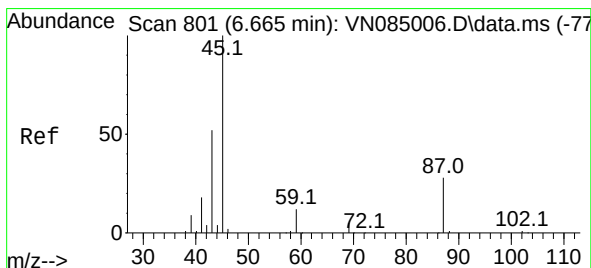
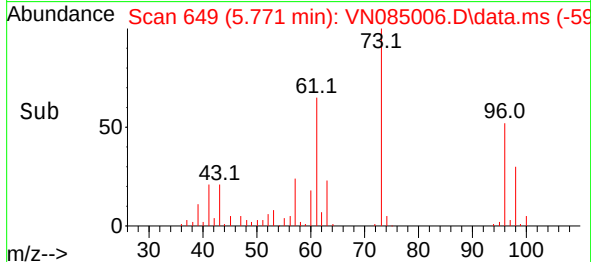
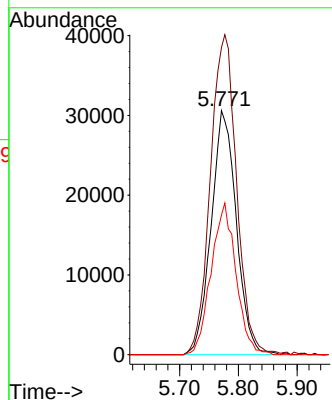
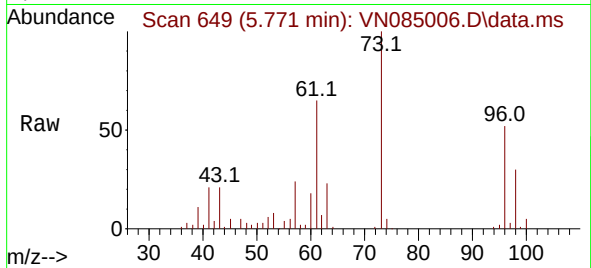




#21
trans-1,2-Dichloroethene
Concen: 49.992 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

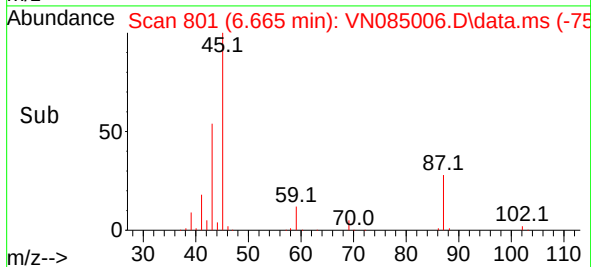
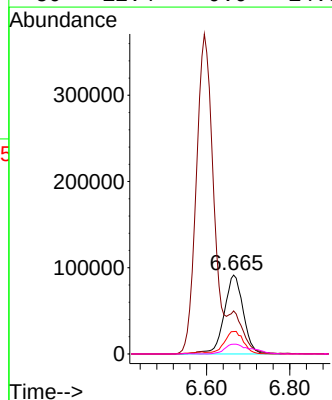
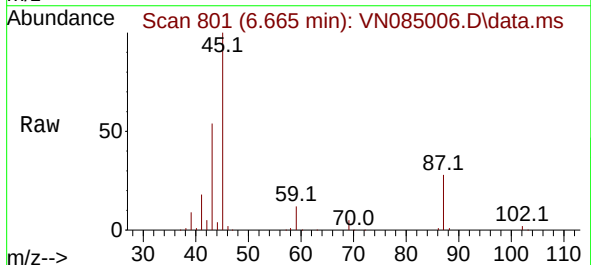
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

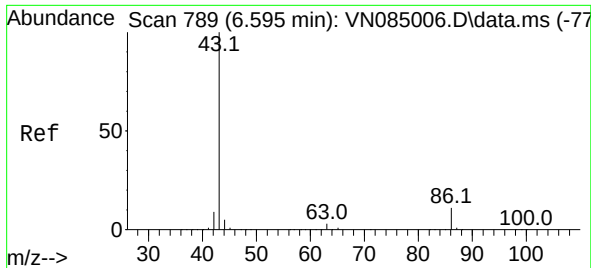
Tgt Ion: 96 Resp: 91214
Ion Ratio Lower Upper
96 100
61 125.9 100.7 151.1
98 57.2 45.8 68.6



#22
Diisopropyl ether
Concen: 49.447 ug/l
RT: 6.665 min Scan# 801
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 45 Resp: 290883
Ion Ratio Lower Upper
45 100
43 53.4 42.7 64.1
87 28.3 22.6 34.0
59 12.4 9.9 14.9

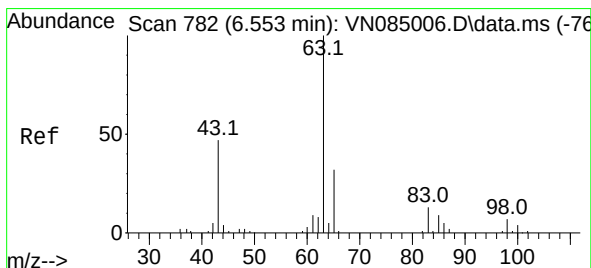
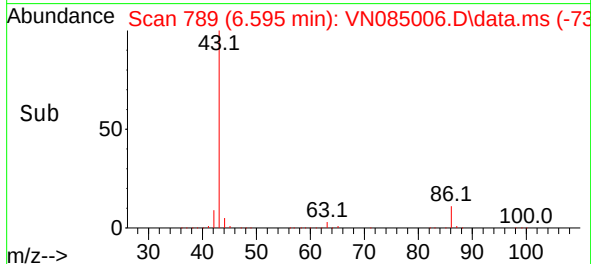
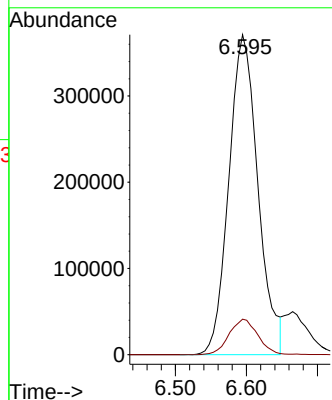
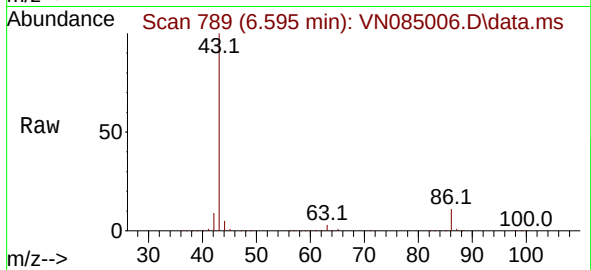




#23
 Vinyl Acetate
 Concen: 260.842 ug/l
 RT: 6.595 min Scan# 789
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

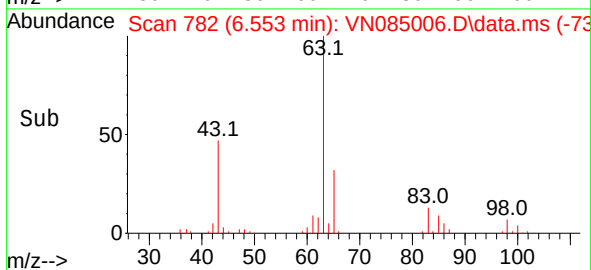
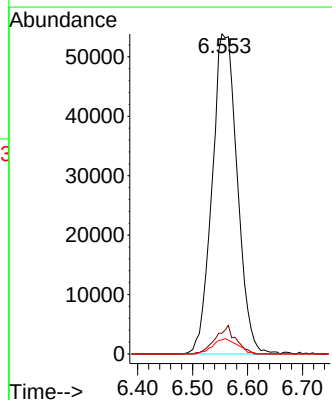
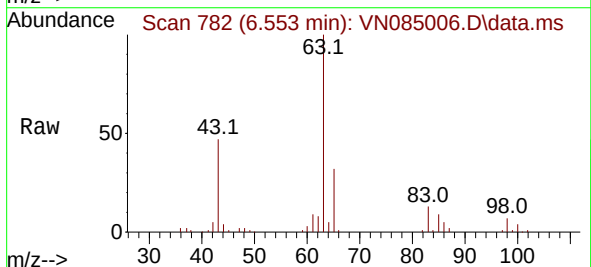
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

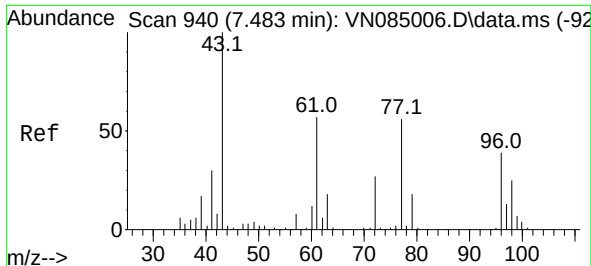
Tgt Ion: 43 Resp: 1058594
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 48.684 ug/l
 RT: 6.553 min Scan# 782
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

Tgt Ion: 63 Resp: 171385
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 244.184 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

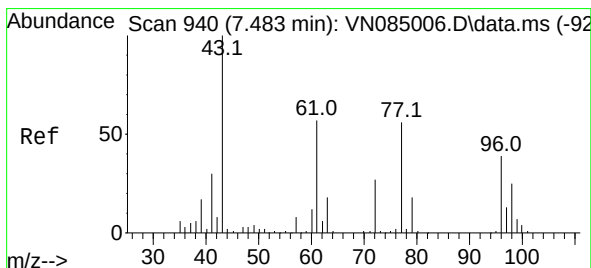
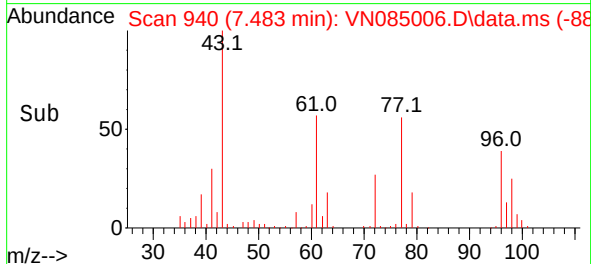
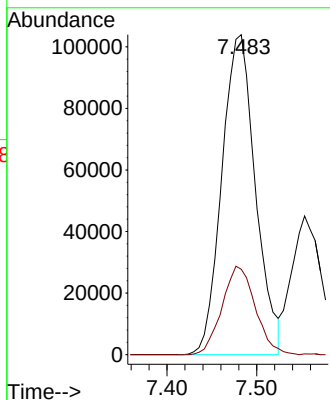
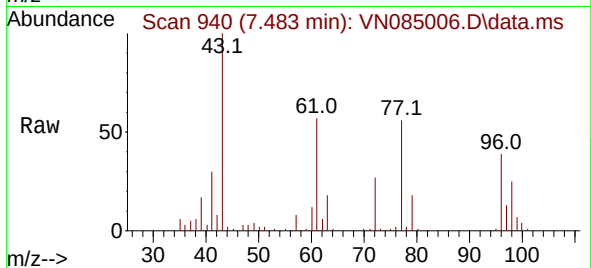
VSTDICCC050

Tgt Ion: 43 Resp: 270539

Ion Ratio Lower Upper

43 100

72 26.7 21.4 32.0



#26

2,2-Dichloropropane

Concen: 49.367 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085006.D

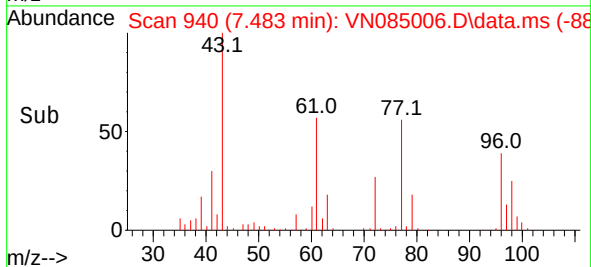
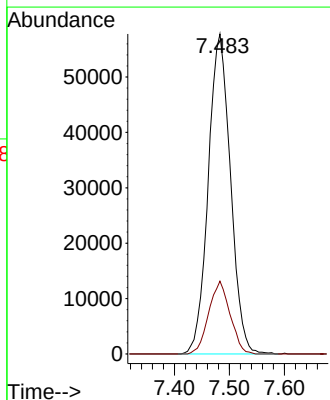
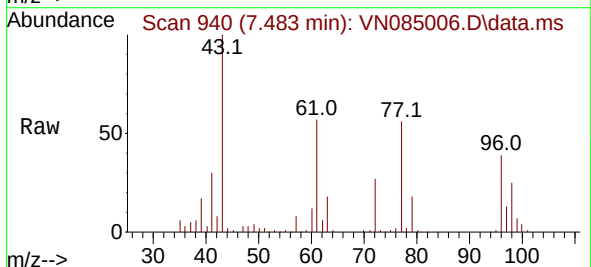
Acq: 22 Nov 2024 11:46

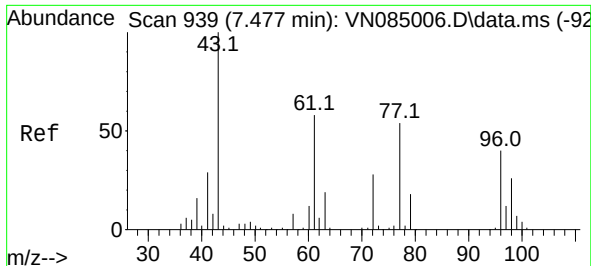
Tgt Ion: 77 Resp: 162280

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.7

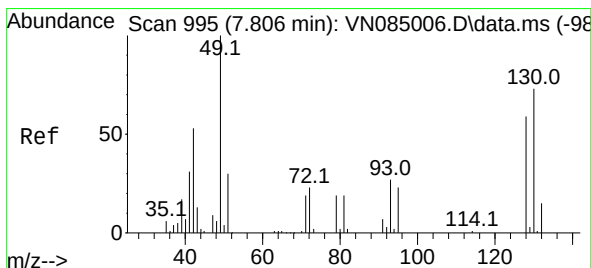
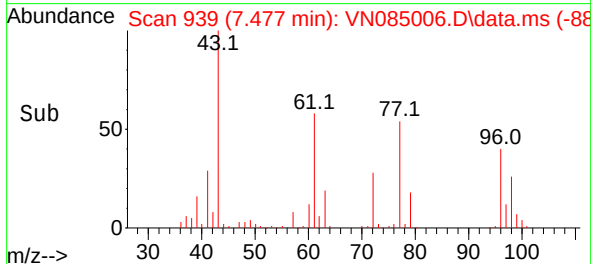
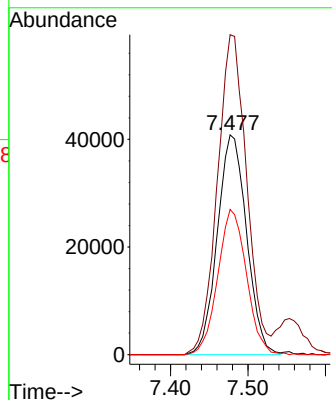
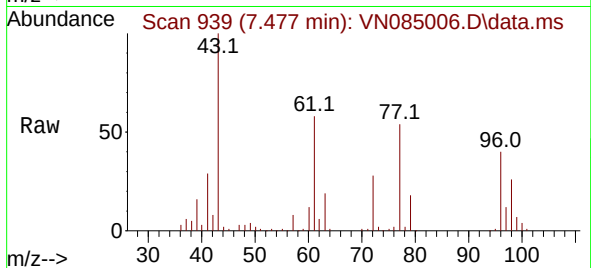




#27
 cis-1,2-Dichloroethene
 Concen: 48.796 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

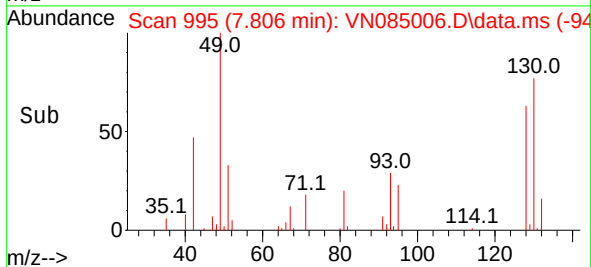
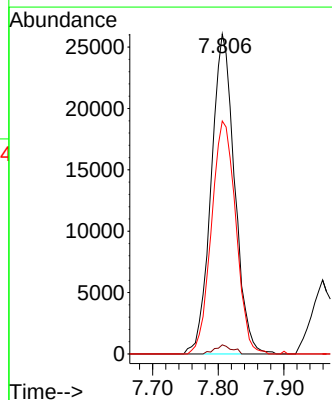
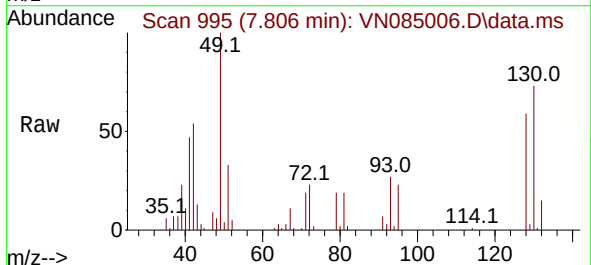
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

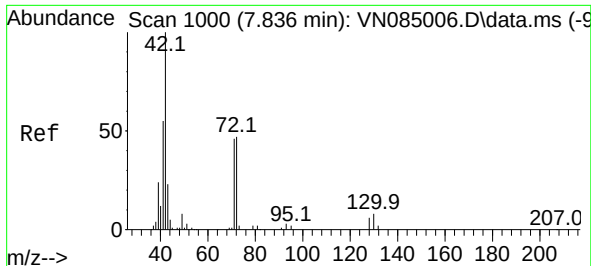
Tgt Ion: 96 Resp: 107332
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 291.6
 98 64.9 0.0 129.8



#28
 Bromochloromethane
 Concen: 48.597 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

Tgt Ion: 49 Resp: 64580
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 75.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 254.088 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

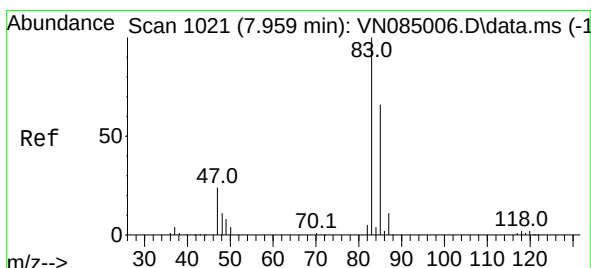
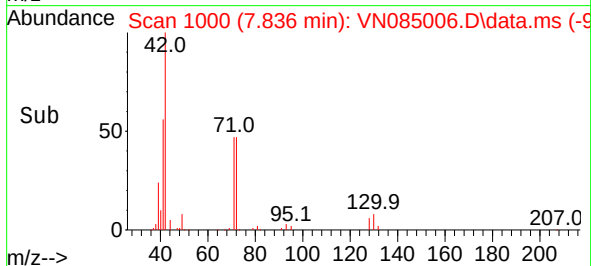
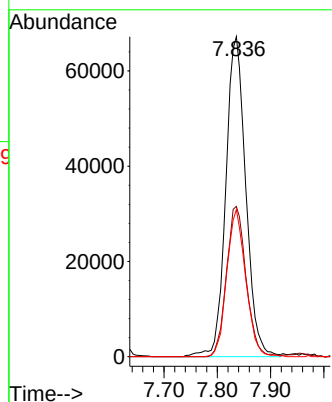
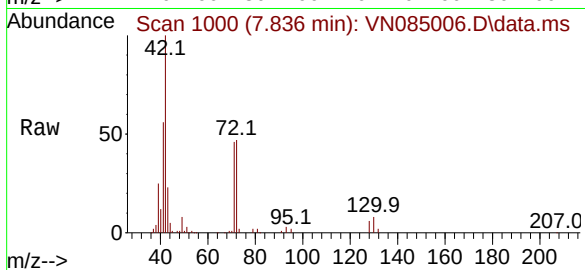
Tgt Ion: 42 Resp: 175063

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.4

71 43.7 35.0 52.4



#30

Chloroform

Concen: 47.921 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VN085006.D

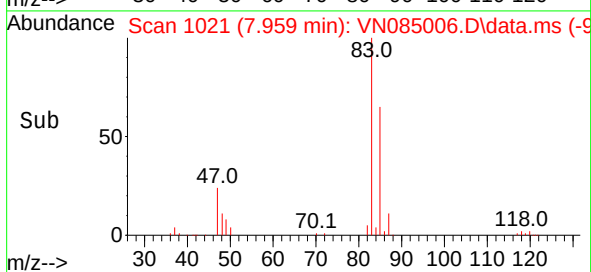
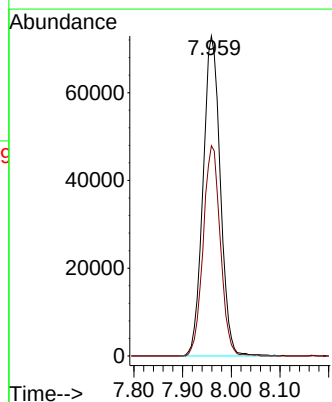
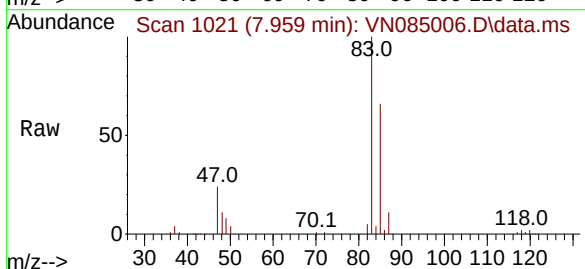
Acq: 22 Nov 2024 11:46

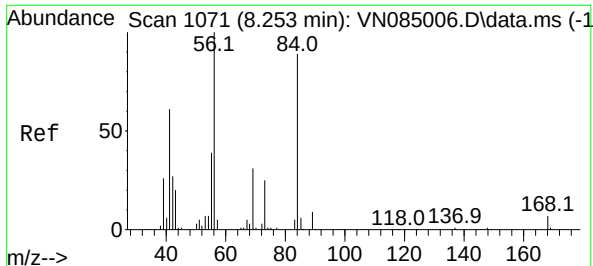
Tgt Ion: 83 Resp: 179452

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8

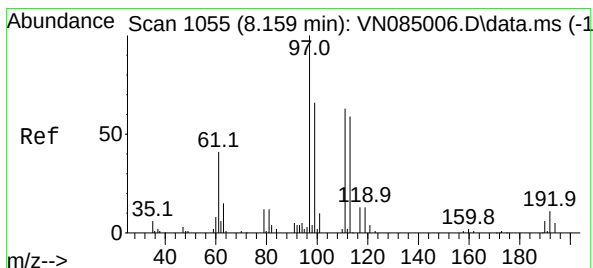
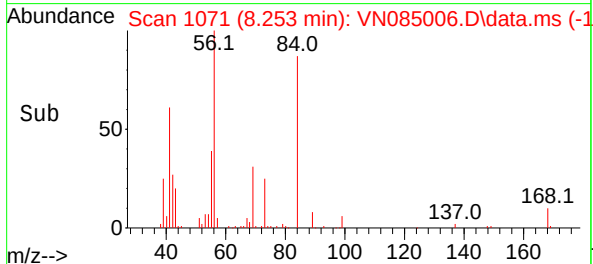
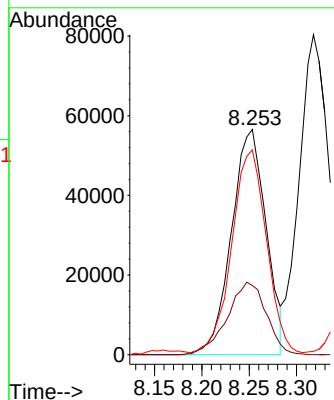
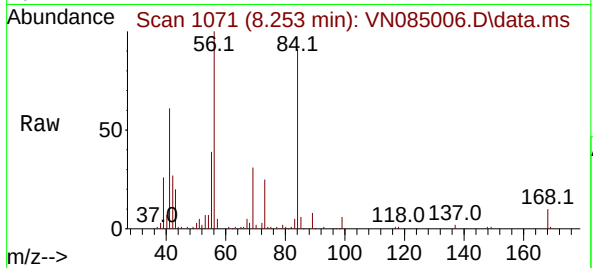




#31
Cyclohexane
Concen: 46.504 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

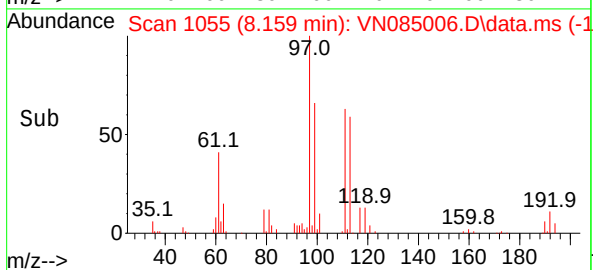
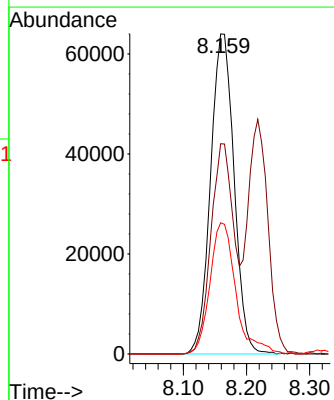
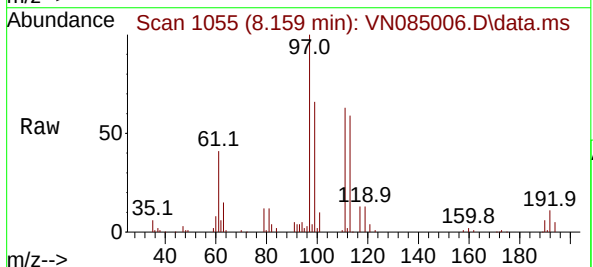
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

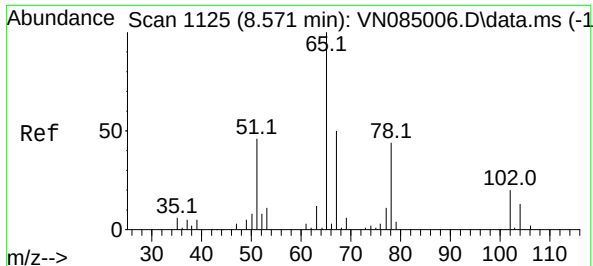
Tgt Ion: 56 Resp: 144139
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 89.3 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 48.900 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 97 Resp: 165474
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 45.2 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

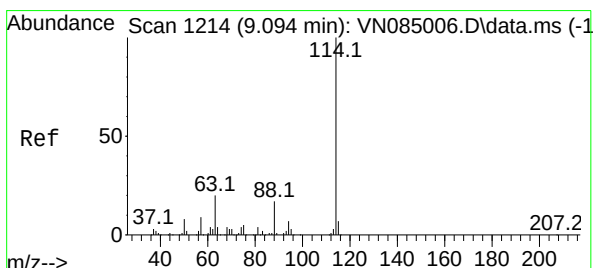
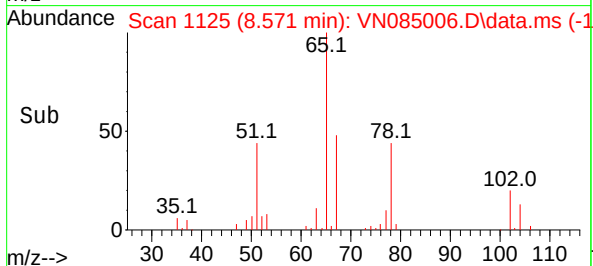
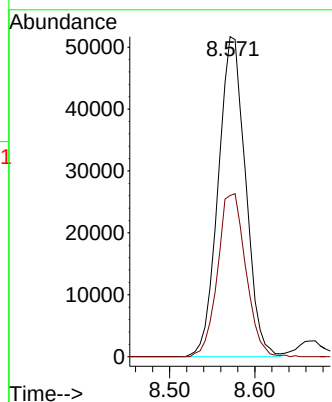
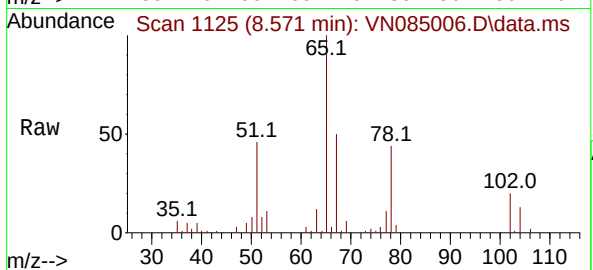
VSTDICCC050

Tgt Ion: 65 Resp: 115244

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

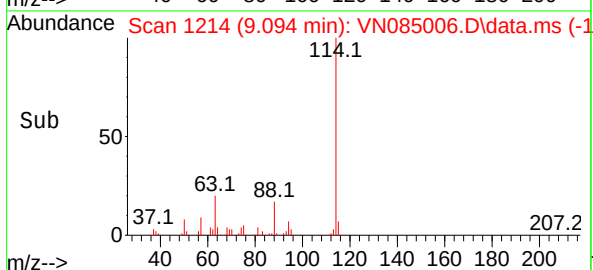
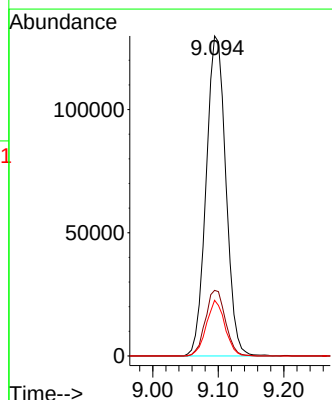
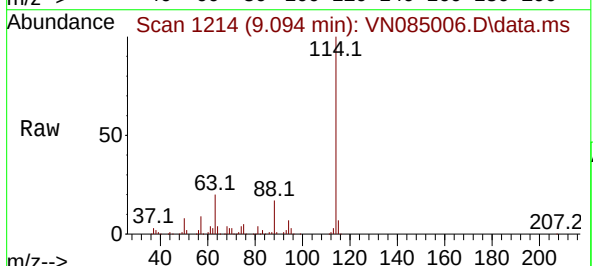
Tgt Ion: 114 Resp: 271467

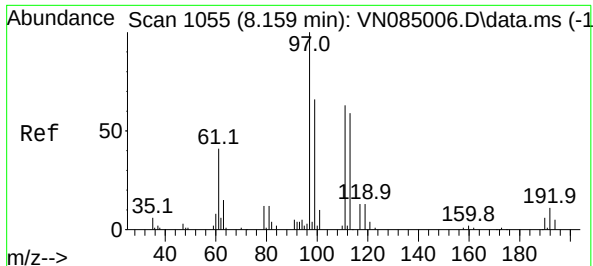
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 17.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 50.417 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

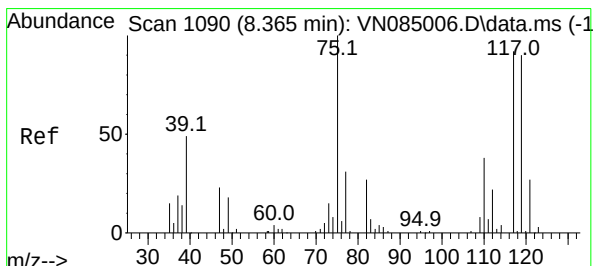
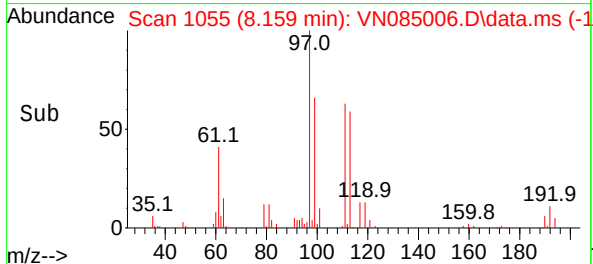
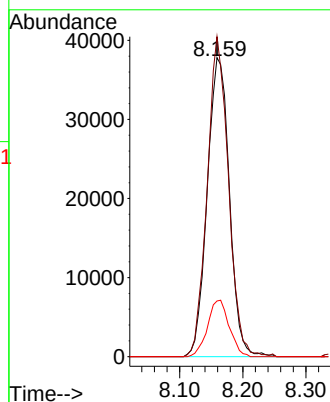
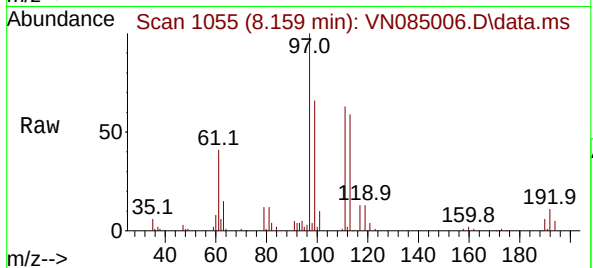
Tgt Ion:113 Resp: 92297

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 49.822 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

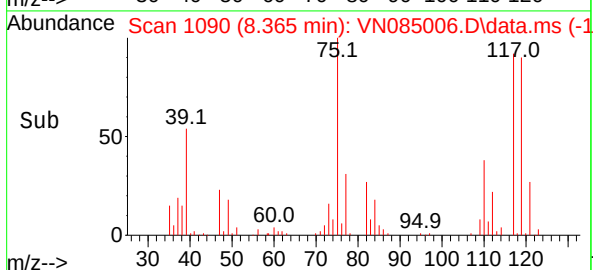
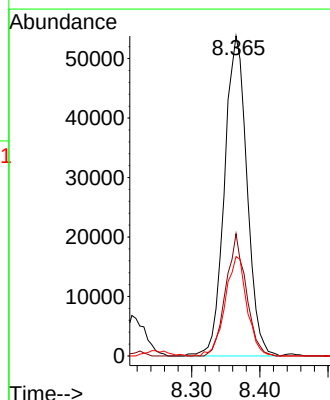
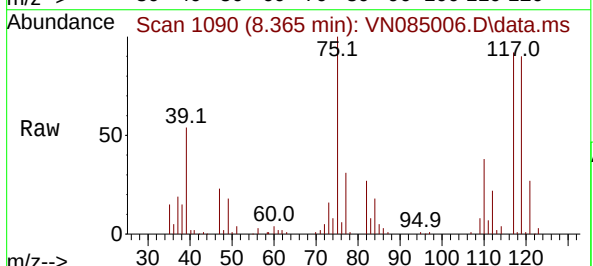
Tgt Ion: 75 Resp: 123540

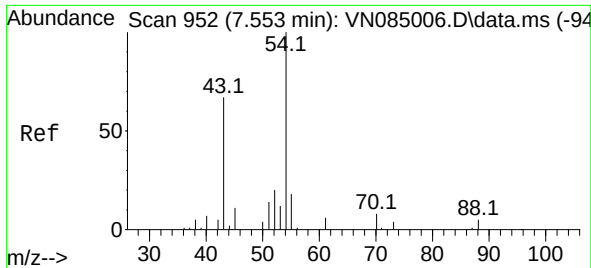
Ion Ratio Lower Upper

75 100

110 34.4 17.2 51.6

77 30.3 24.2 36.4

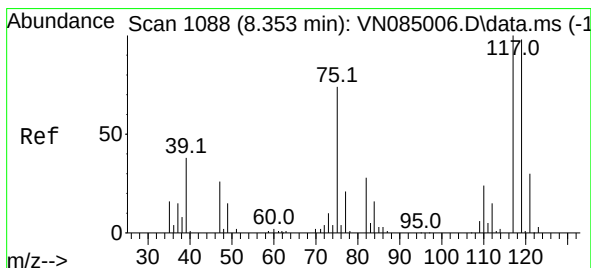
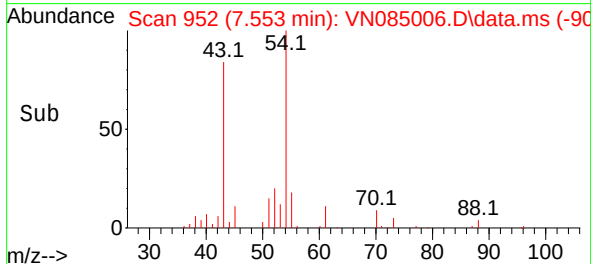
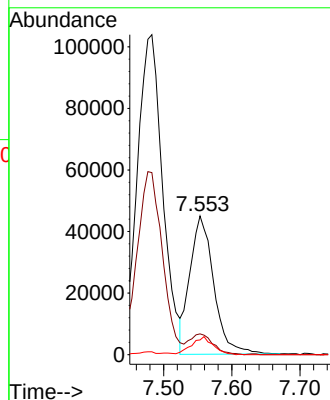
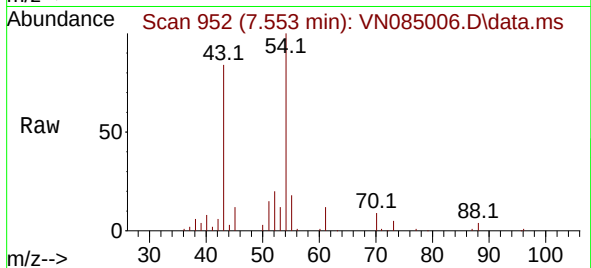




#37
Ethyl Acetate
Concen: 48.484 ug/l
RT: 7.553 min Scan# 952
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

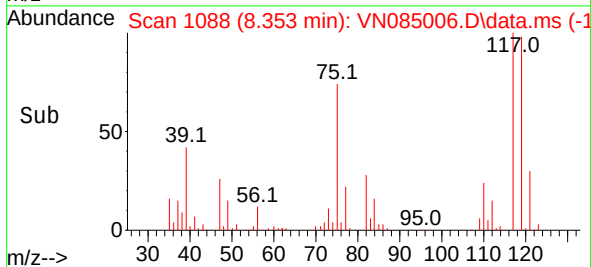
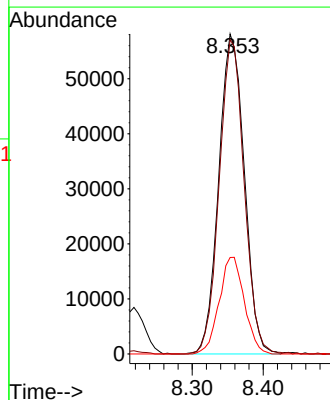
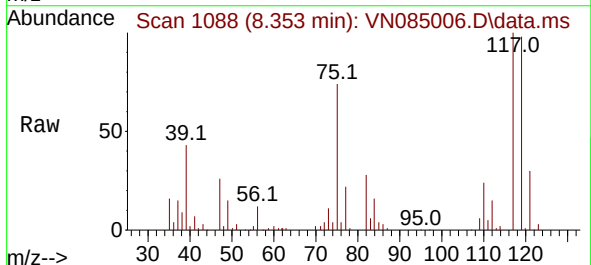
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

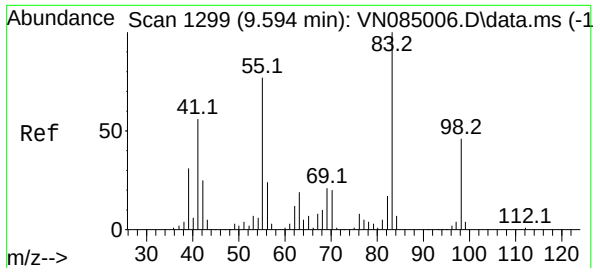
Tgt Ion: 43 Resp: 109296
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 11.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 50.624 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 117 Resp: 144897
Ion Ratio Lower Upper
117 100
119 98.2 78.6 117.8
121 30.2 24.2 36.2

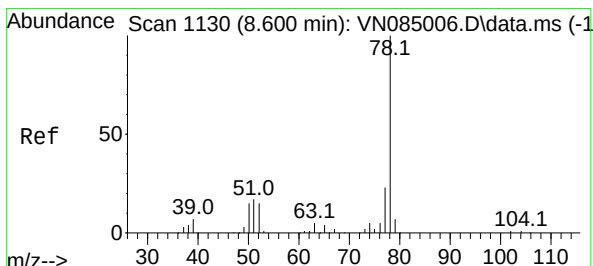
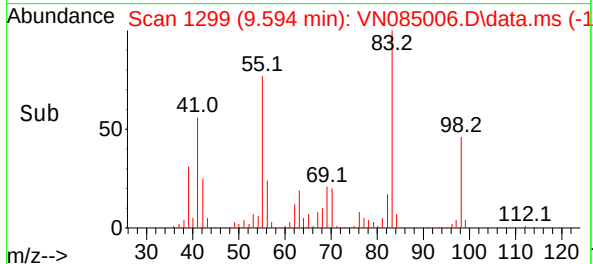
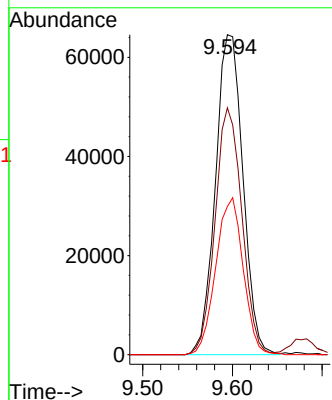
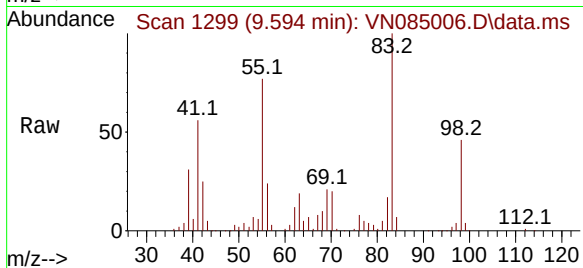




#39
Methylcyclohexane
Concen: 53.395 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

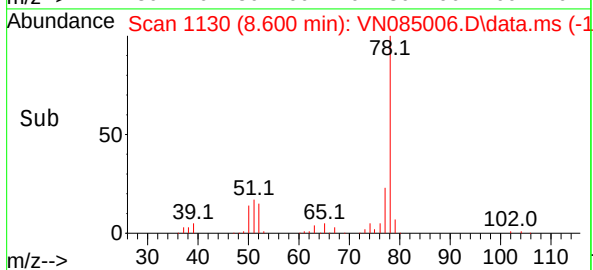
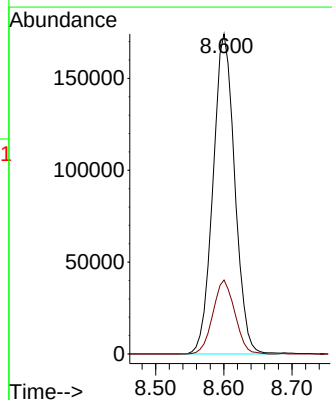
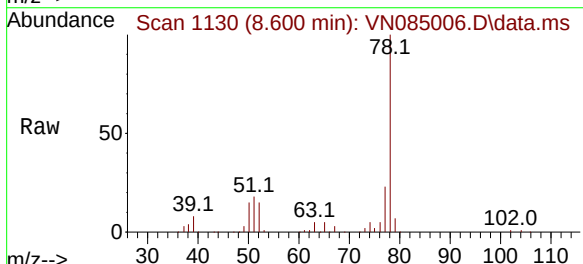
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

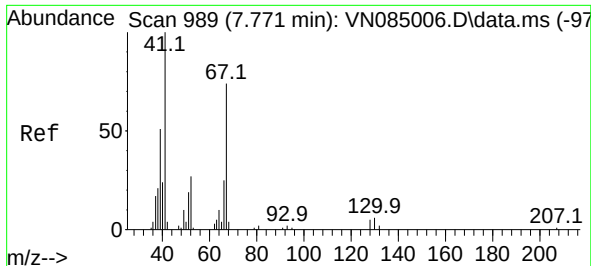
Tgt Ion: 83 Resp: 137583
Ion Ratio Lower Upper
83 100
55 77.2 61.8 92.6
98 46.3 37.0 55.6



#40
Benzene
Concen: 49.297 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 78 Resp: 386616
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7



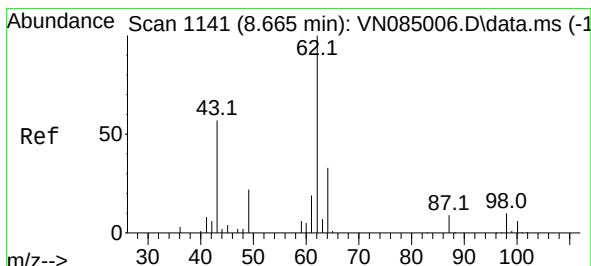
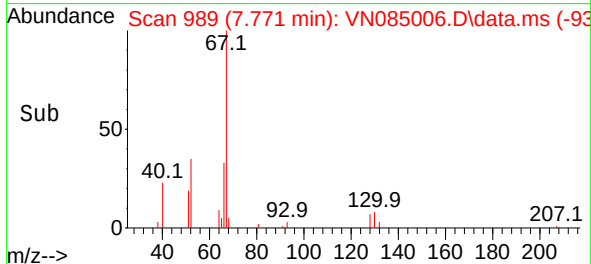
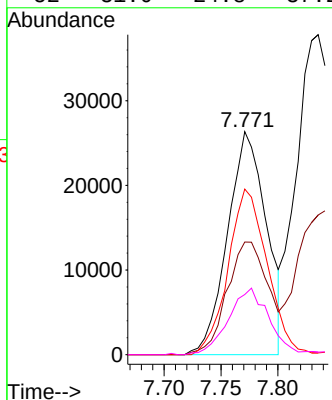
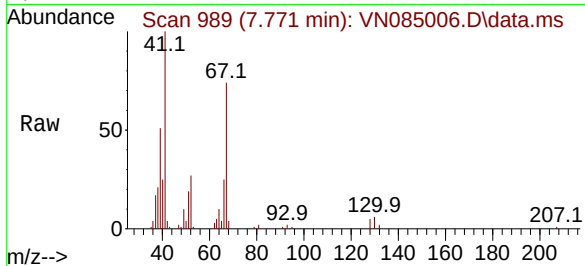


#41
Methacrylonitrile
Concen: 50.102 ug/l
RT: 7.771 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 62534

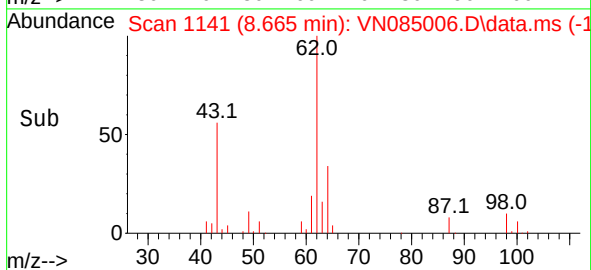
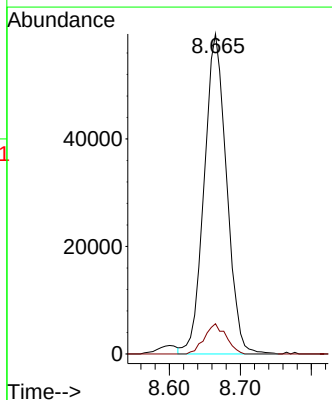
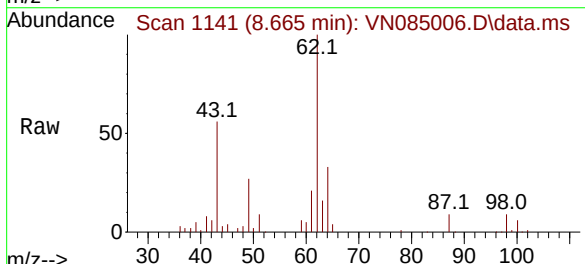
Ion	Ratio	Lower	Upper
41	100		
39	53.2	42.6	63.8
67	74.9	59.9	89.9
52	31.0	24.8	37.2

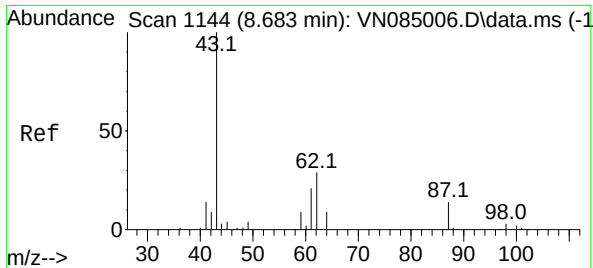


#42
1,2-Dichloroethane
Concen: 48.616 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 62 Resp: 130440

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

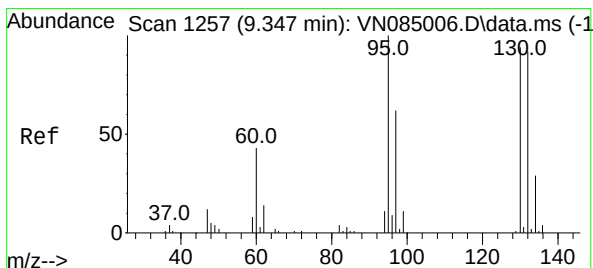
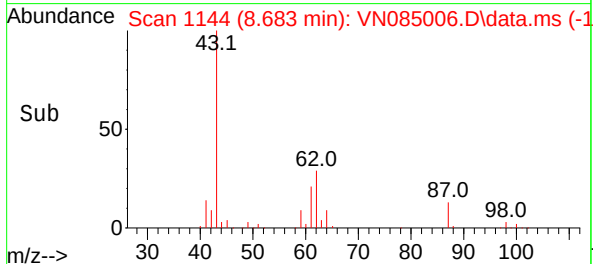
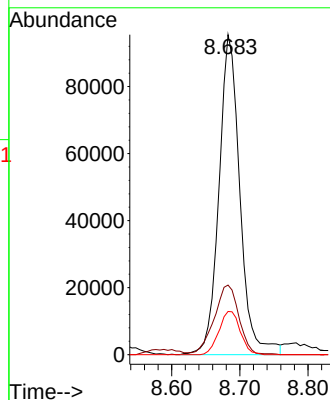
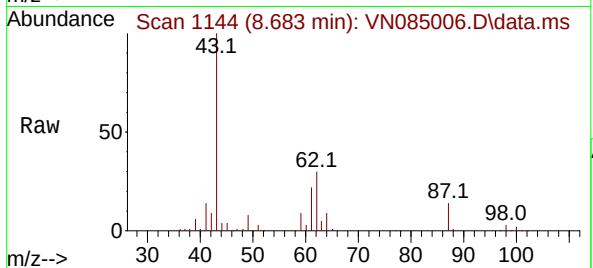




#43
Isopropyl Acetate
Concen: 43.670 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

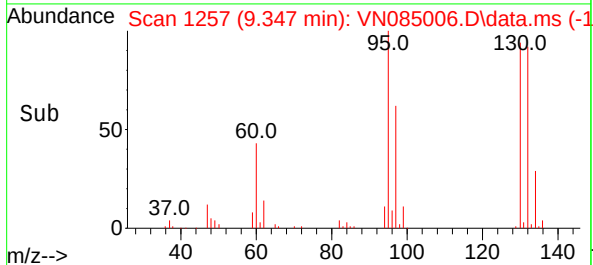
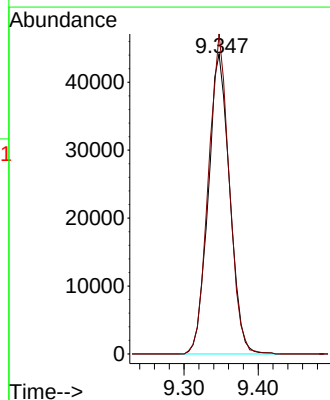
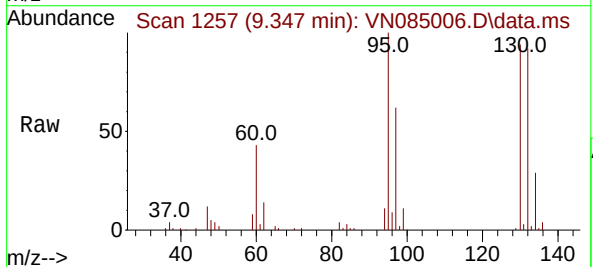
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

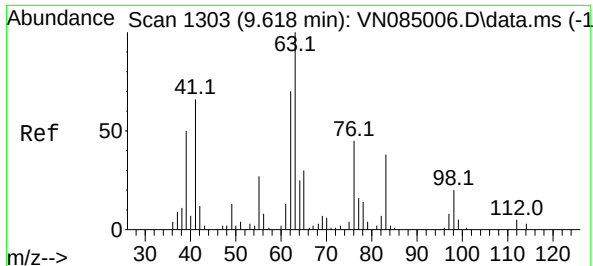
Tgt Ion: 43 Resp: 204483
Ion Ratio Lower Upper
43 100
61 25.7 20.6 30.8
87 13.7 11.0 16.4



#44
Trichloroethene
Concen: 48.692 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:130 Resp: 88746
Ion Ratio Lower Upper
130 100
95 106.7 0.0 213.4

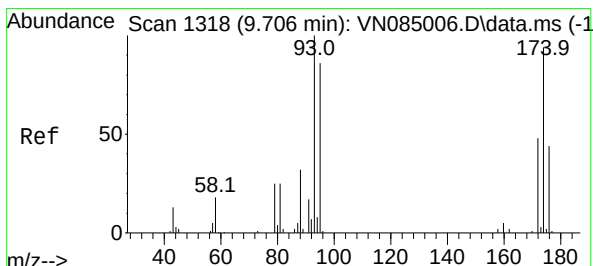
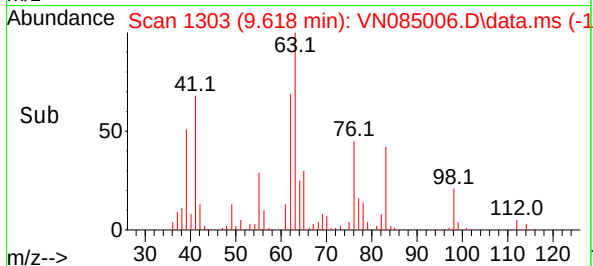
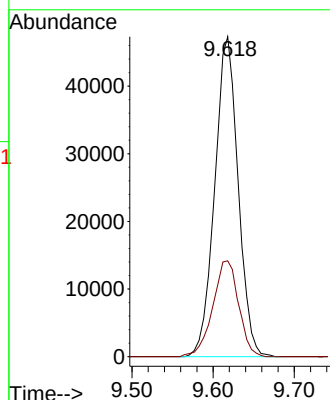
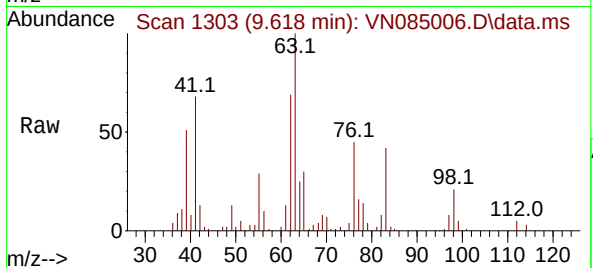




#45
1,2-Dichloropropane
Concen: 49.013 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

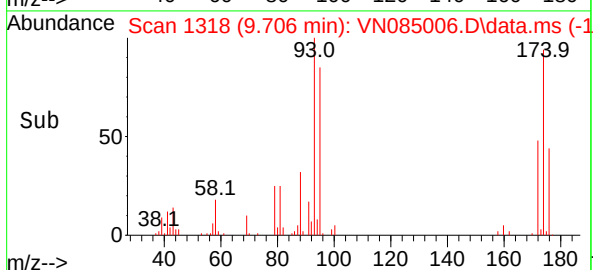
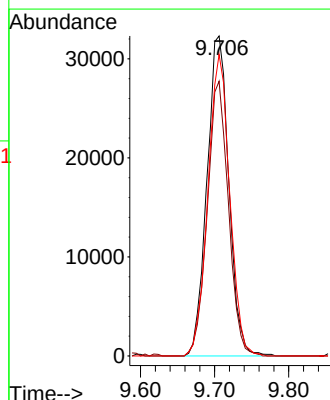
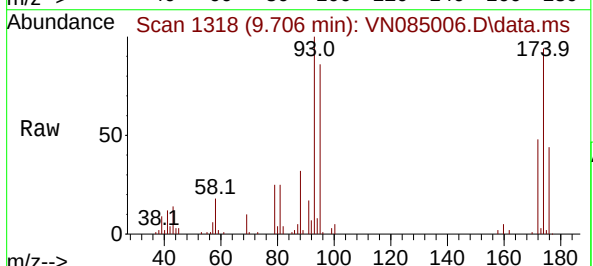
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

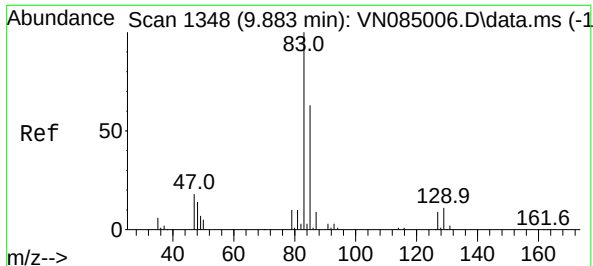
Tgt Ion: 63 Resp: 94677
Ion Ratio Lower Upper
63 100
65 30.0 24.0 36.0



#46
Dibromomethane
Concen: 49.447 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 93 Resp: 66370
Ion Ratio Lower Upper
93 100
95 82.8 66.2 99.4
174 93.6 74.9 112.3

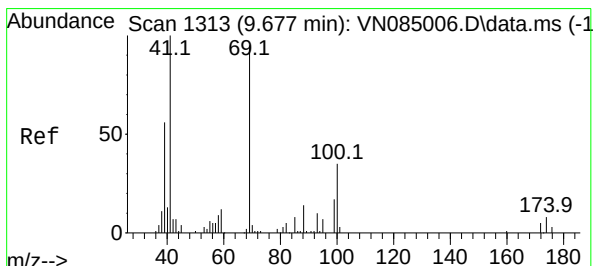
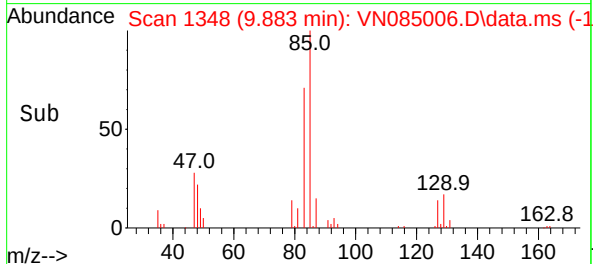
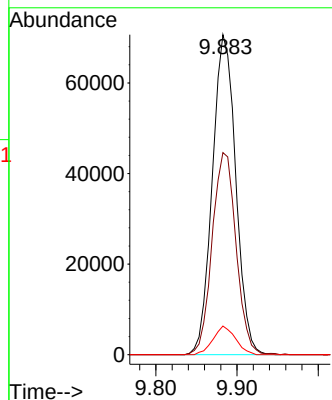
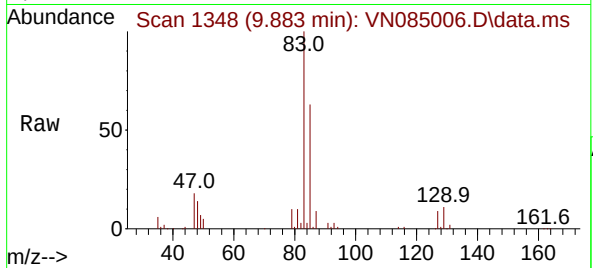




#47
Bromodichloromethane
Concen: 49.849 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

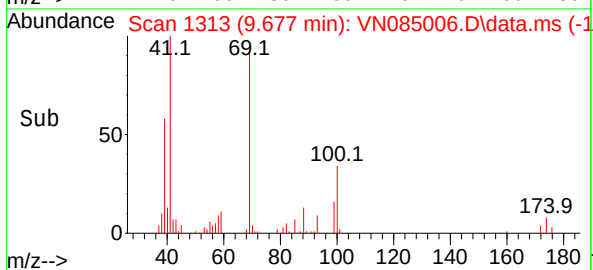
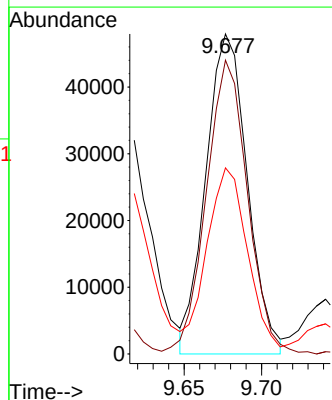
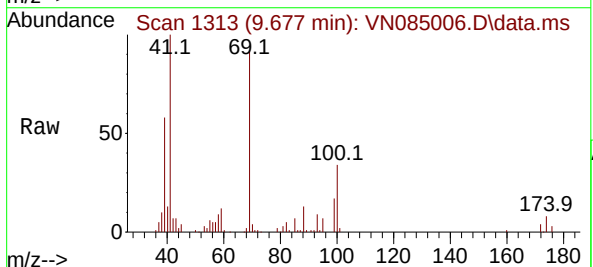
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

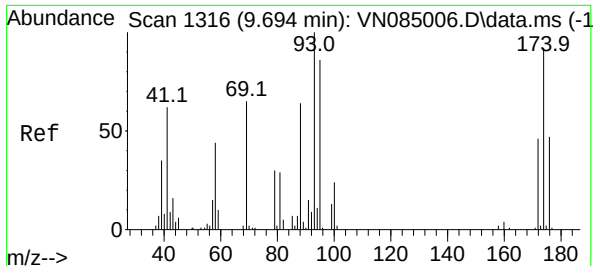
Tgt Ion: 83 Resp: 141808
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 8.9 7.1 10.7



#48
Methyl methacrylate
Concen: 51.193 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 41 Resp: 89202
Ion Ratio Lower Upper
41 100
69 91.5 73.2 109.8
39 57.8 46.2 69.4

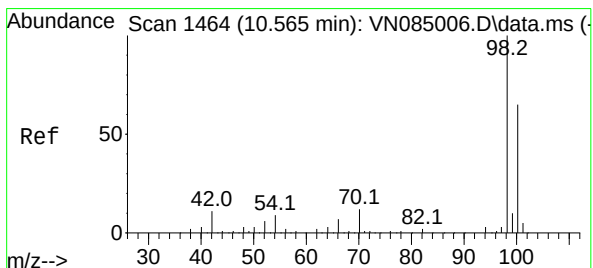
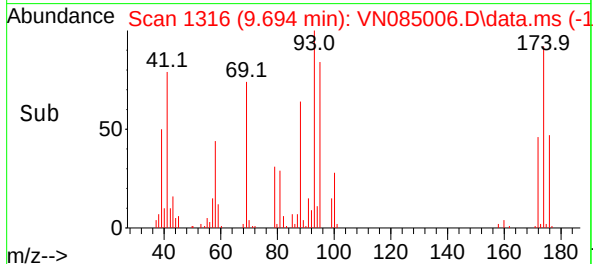
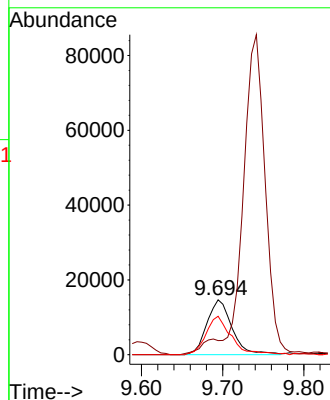
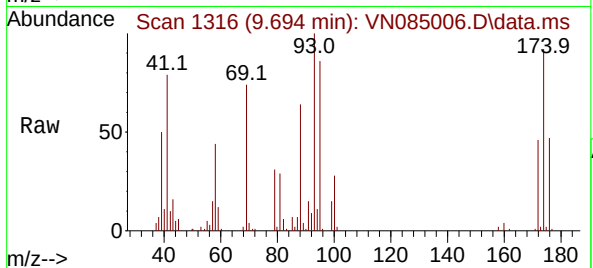




#49
1,4-Dioxane
Concen: 1044.331 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

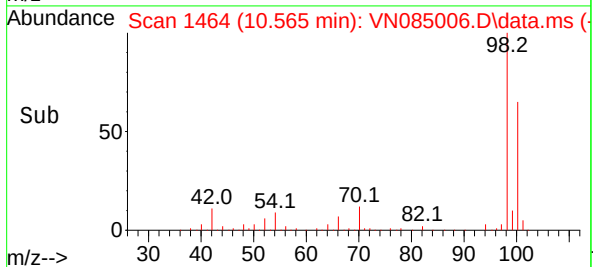
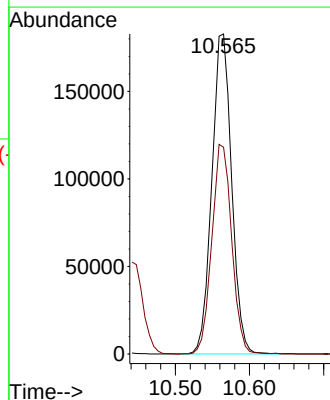
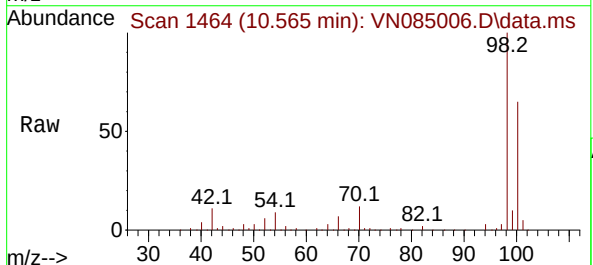
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

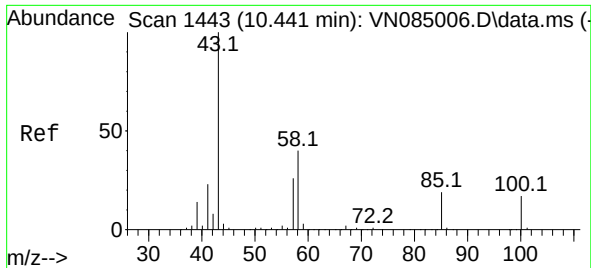
Tgt Ion: 88 Resp: 31557
Ion Ratio Lower Upper
88 100
43 20.9 16.7 25.1
58 70.6 56.5 84.7



#50
Toluene-d8
Concen: 51.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 98 Resp: 338938
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7

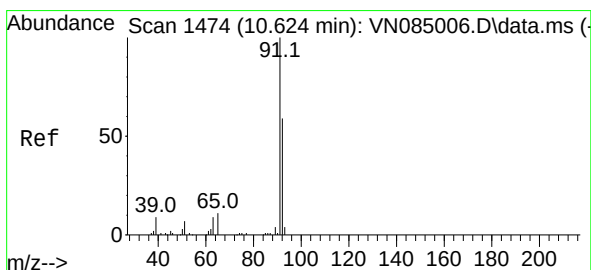
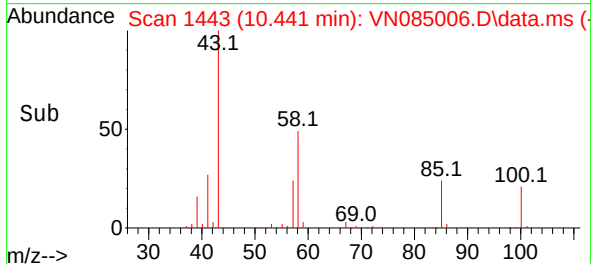
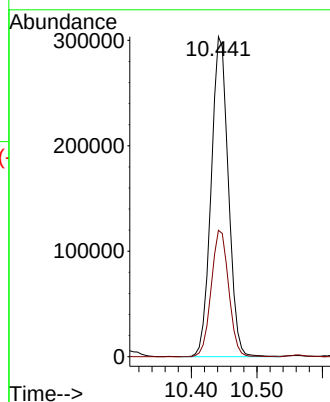
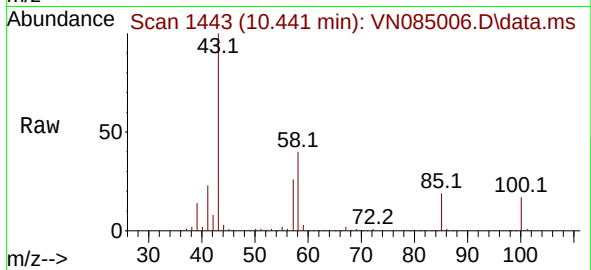




#51
4-Methyl-2-Pentanone
Concen: 257.854 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

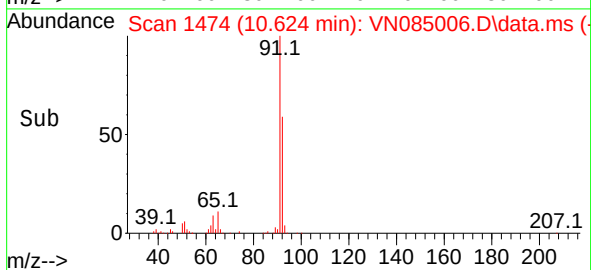
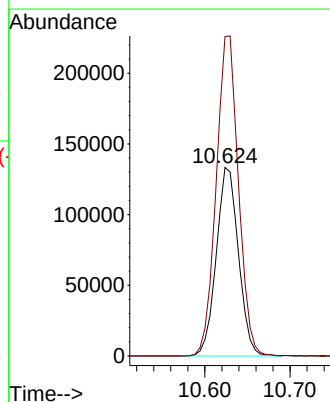
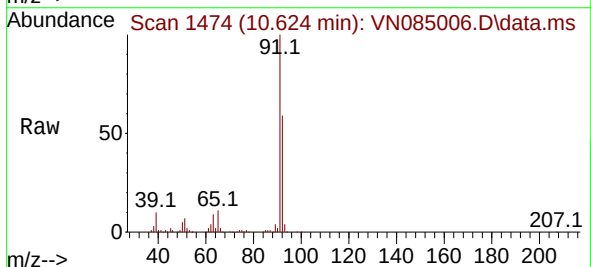
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

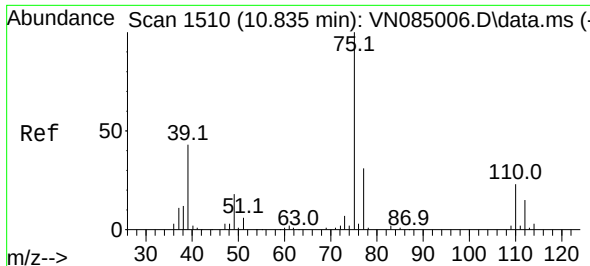
Tgt Ion: 43 Resp: 551484
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1



#52
Toluene
Concen: 51.850 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 92 Resp: 240730
Ion Ratio Lower Upper
92 100
91 170.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 52.241 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

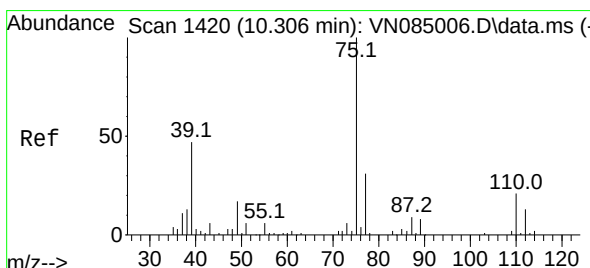
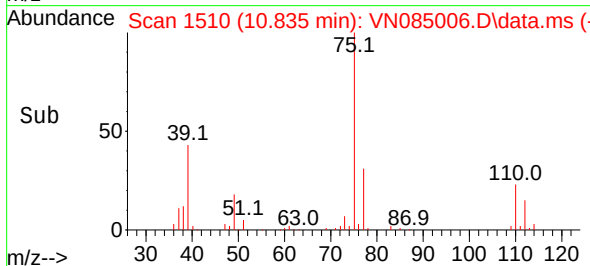
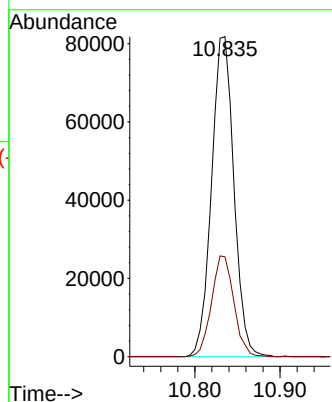
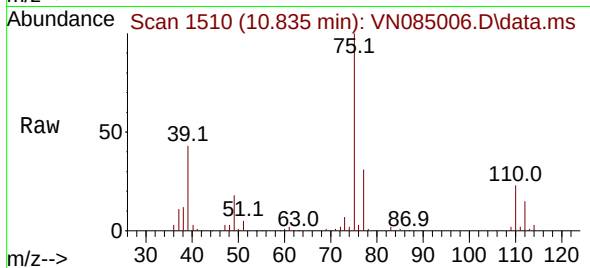
VSTDICCC050

Tgt Ion: 75 Resp: 148995

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.671 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

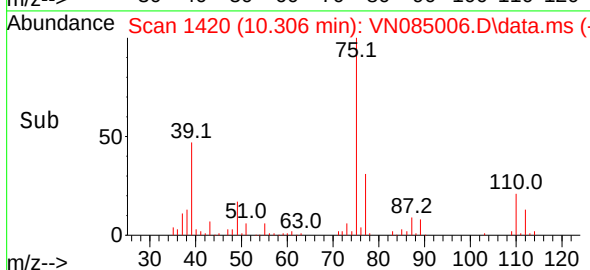
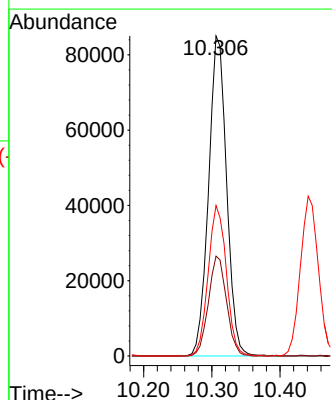
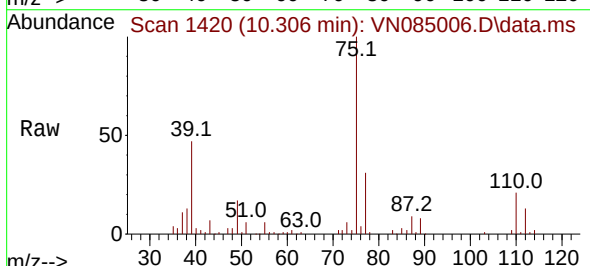
Tgt Ion: 75 Resp: 156342

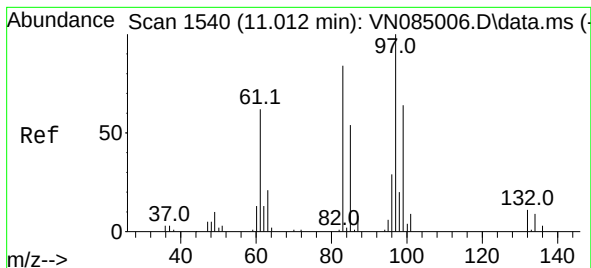
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4

39 47.0 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 50.501 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 87334

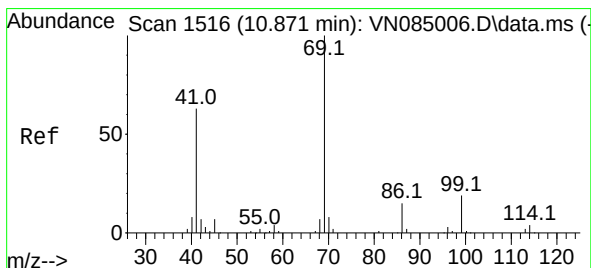
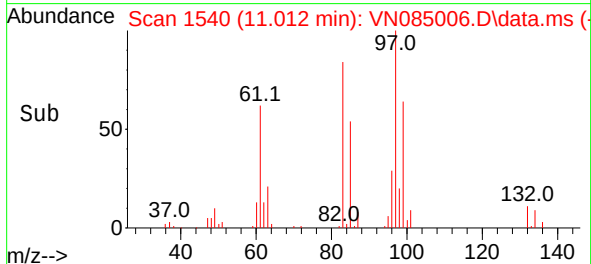
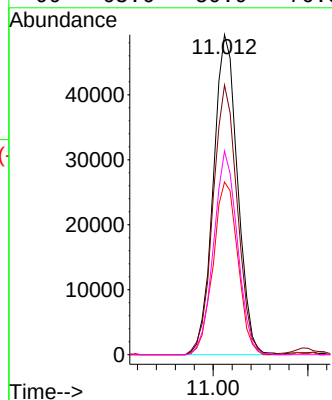
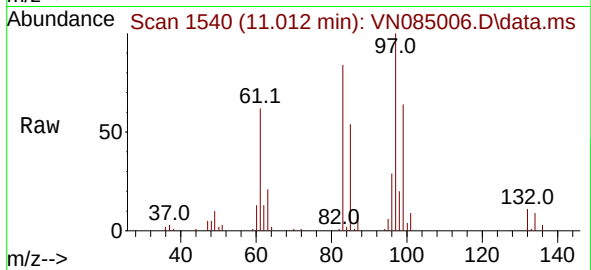
Ion Ratio Lower Upper

97 100

83 84.3 67.4 101.2

85 53.9 43.1 64.7

99 63.6 50.9 76.3



#56

Ethyl methacrylate

Concen: 55.617 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

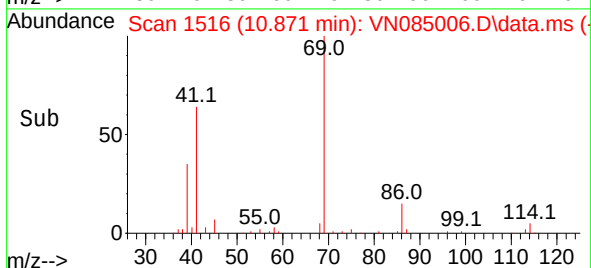
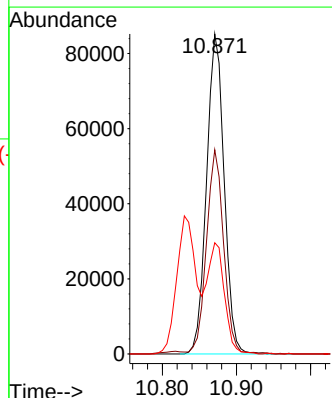
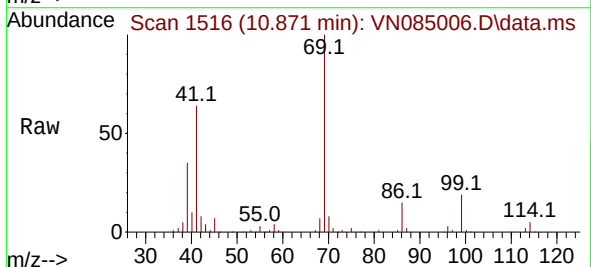
Tgt Ion: 69 Resp: 140546

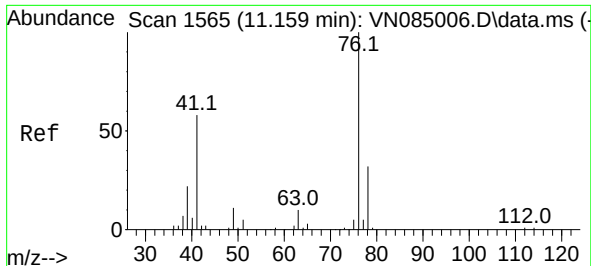
Ion Ratio Lower Upper

69 100

41 62.5 50.0 75.0

39 33.8 27.0 40.6





#57

1,3-Dichloropropane

Concen: 49.800 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

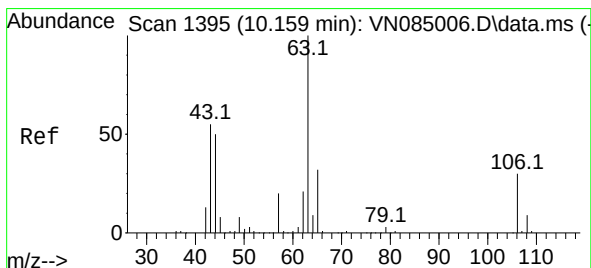
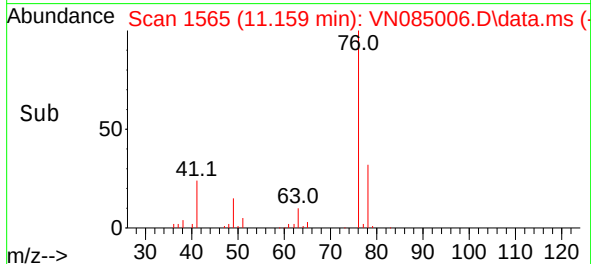
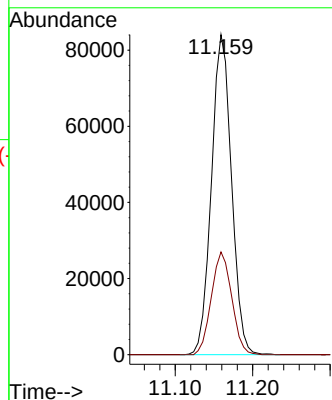
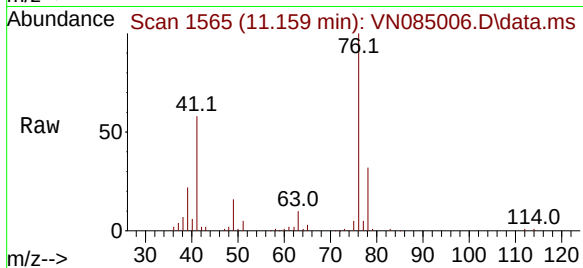
VSTDICCC050

Tgt Ion: 76 Resp: 151573

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 297.030 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085006.D

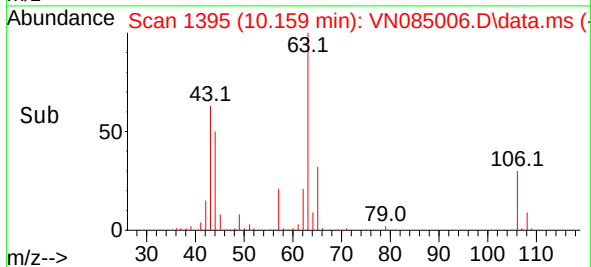
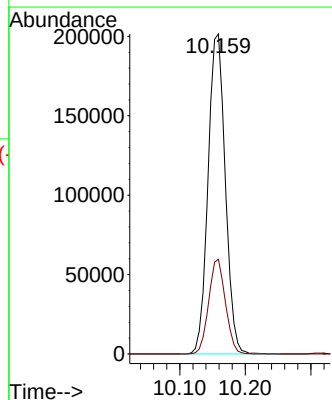
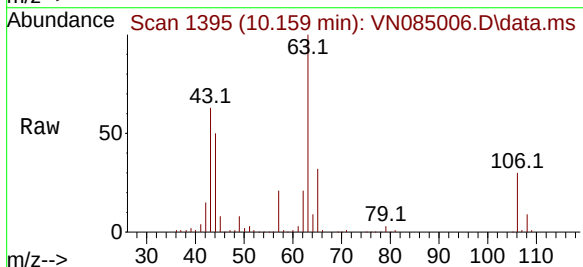
Acq: 22 Nov 2024 11:46

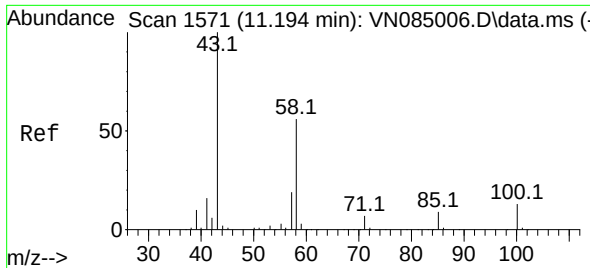
Tgt Ion: 63 Resp: 368190

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

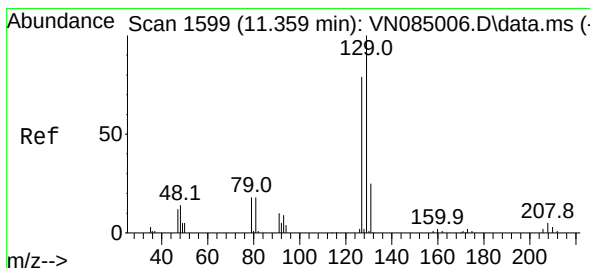
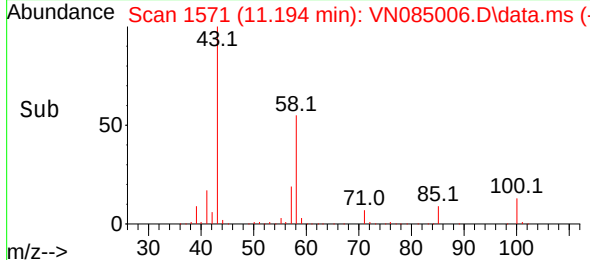
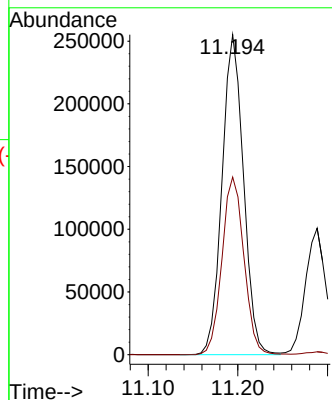
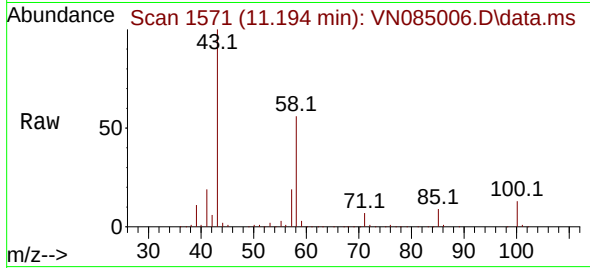




#59
2-Hexanone
Concen: 265.165 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

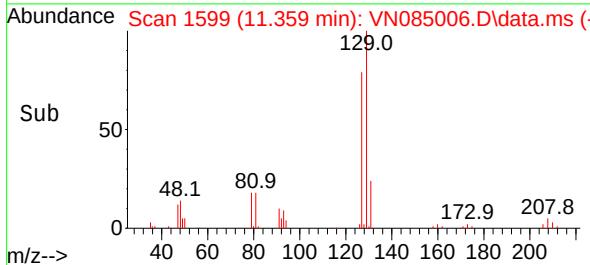
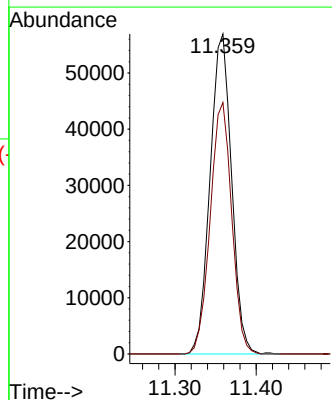
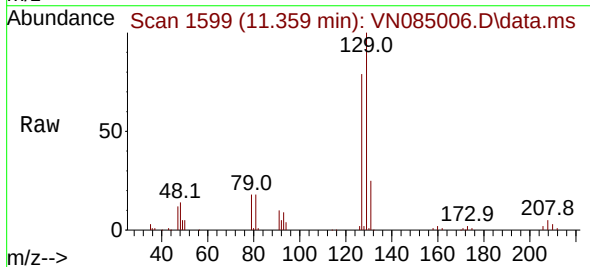
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

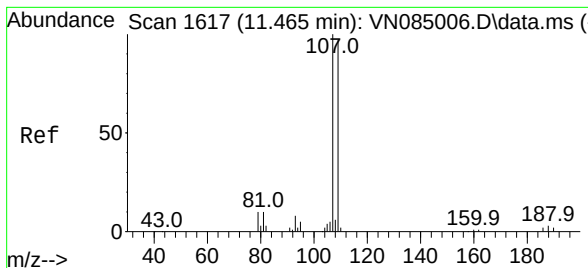
Tgt Ion: 43 Resp: 424152
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0



#60
Dibromochloromethane
Concen: 49.538 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:129 Resp: 104699
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6

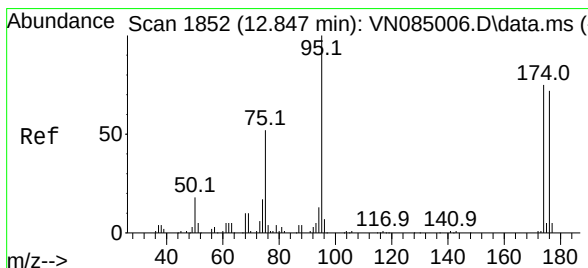
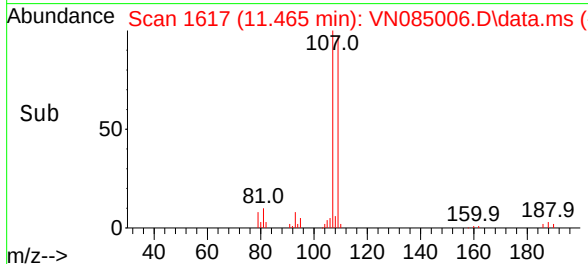
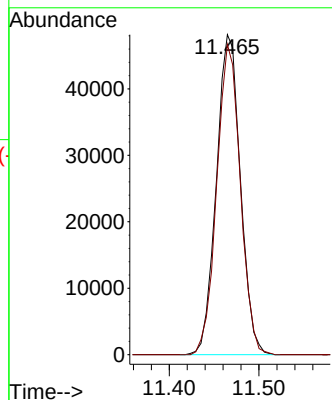
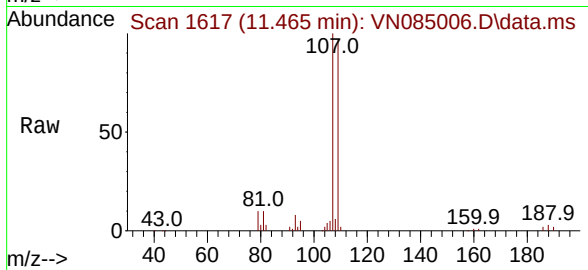




#61
1,2-Dibromoethane
Concen: 49.991 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

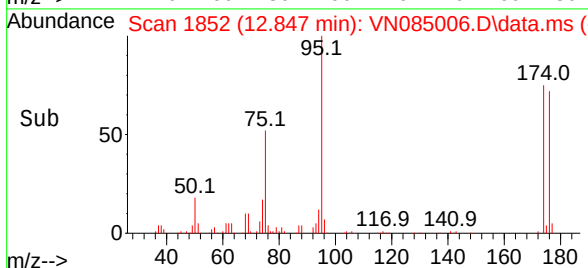
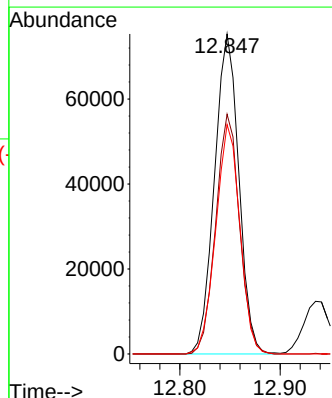
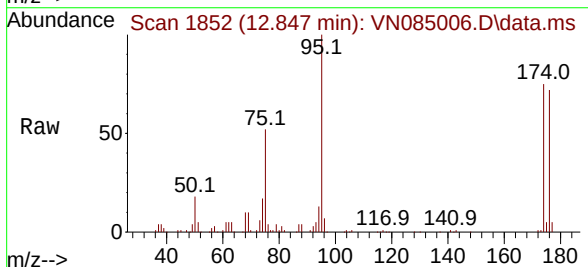
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

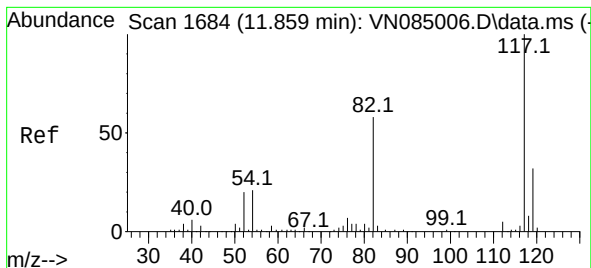
Tgt Ion:107 Resp: 89471
Ion Ratio Lower Upper
107 100
109 95.1 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 51.698 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 95 Resp: 126840
Ion Ratio Lower Upper
95 100
174 73.3 0.0 146.6
176 70.9 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

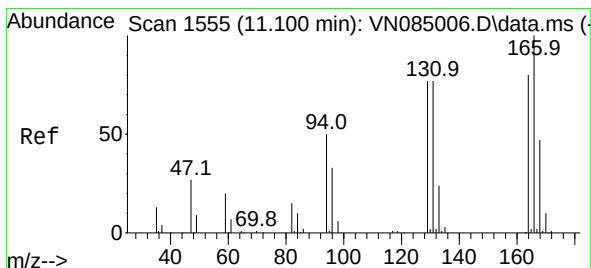
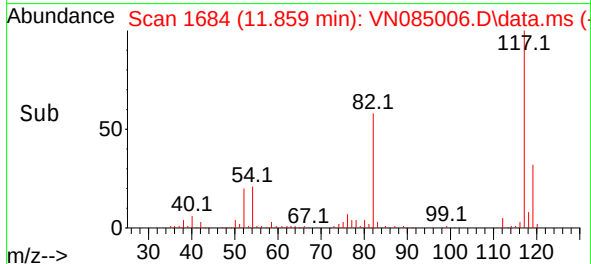
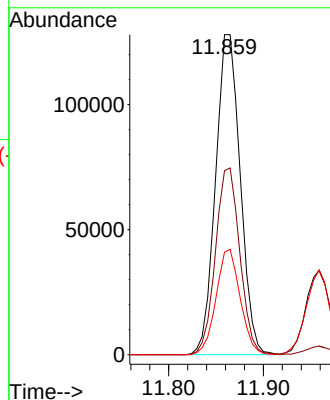
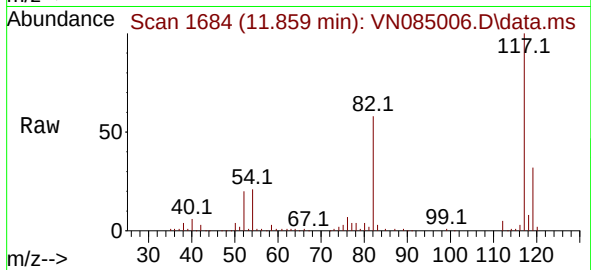
Tgt Ion:117 Resp: 232158

Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

119 32.0 25.6 38.4



#64

Tetrachloroethene

Concen: 48.747 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion:164 Resp: 76257

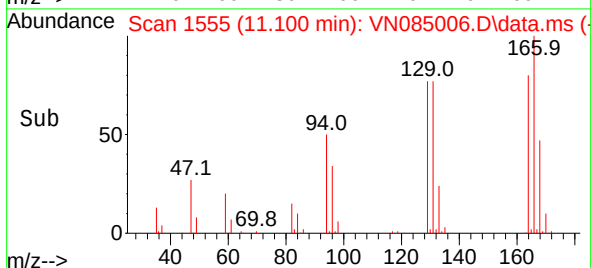
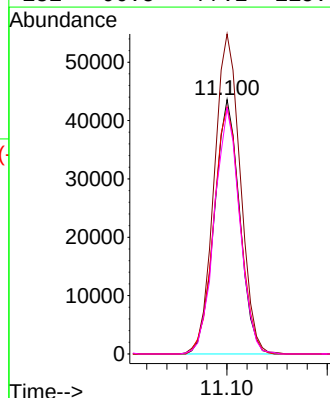
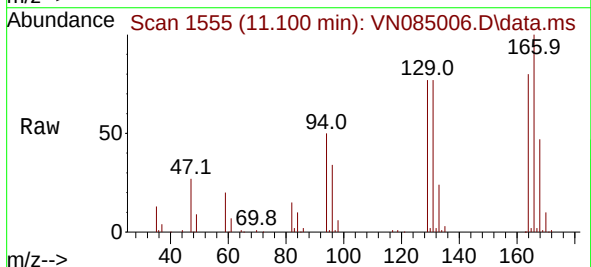
Ion Ratio Lower Upper

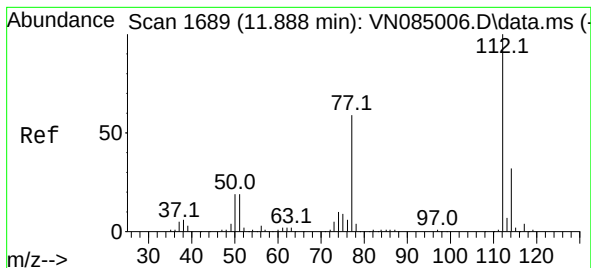
164 100

166 125.8 100.6 151.0

129 97.1 77.7 116.5

131 96.5 77.2 115.8





#65

Chlorobenzene

Concen: 48.041 ug/l

RT: 11.888 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

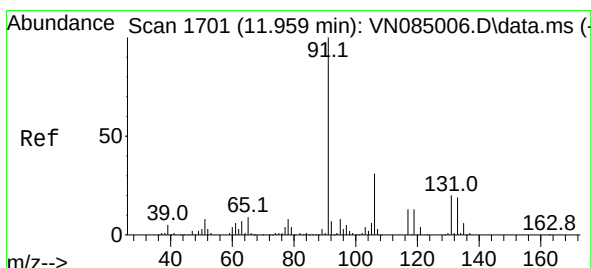
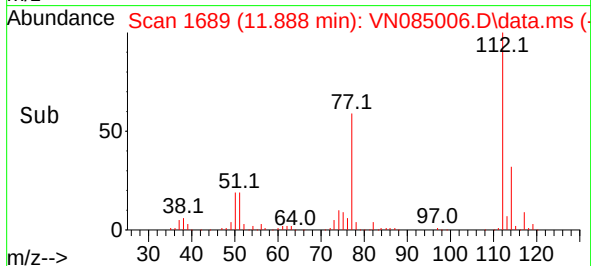
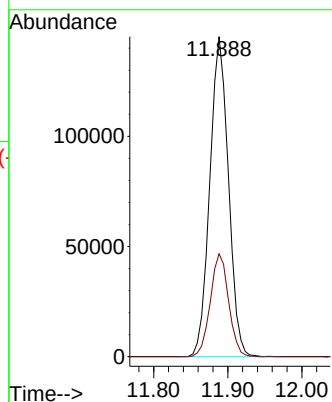
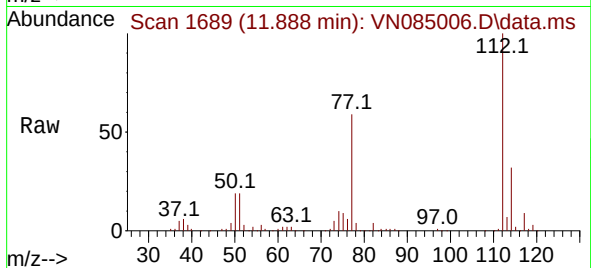
VSTDICCC050

Tgt Ion:112 Resp: 252937

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 49.785 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

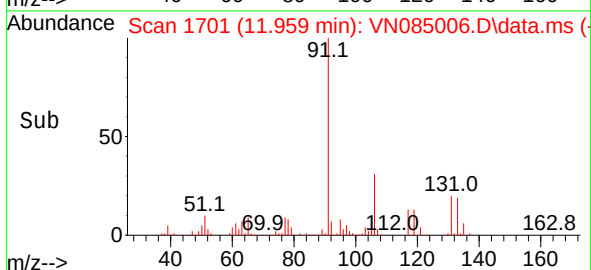
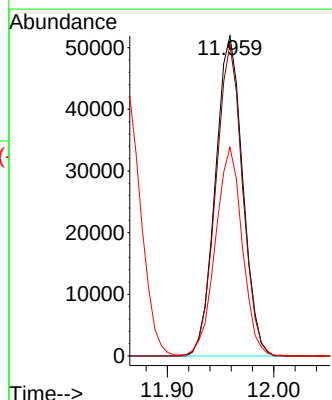
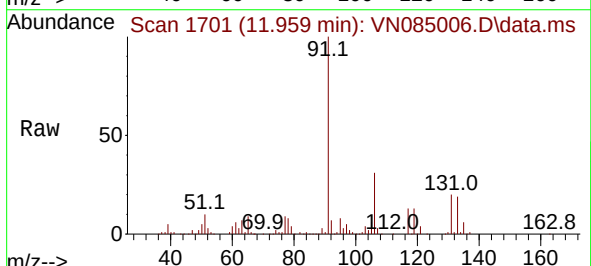
Tgt Ion:131 Resp: 92289

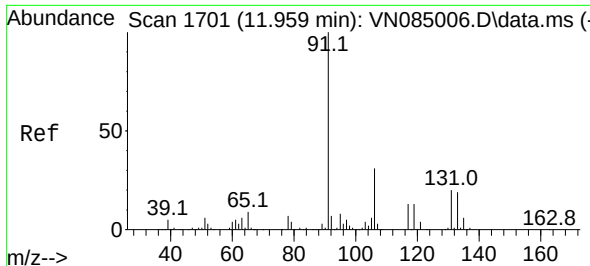
Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.4

119 64.2 32.1 96.3





#67

Ethyl Benzene

Concen: 52.856 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

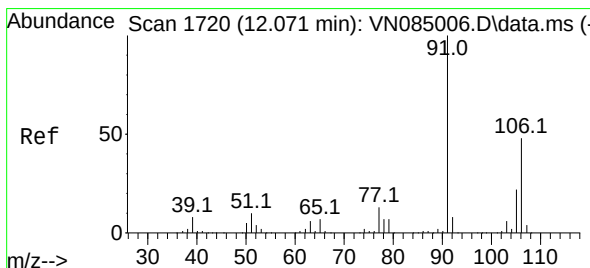
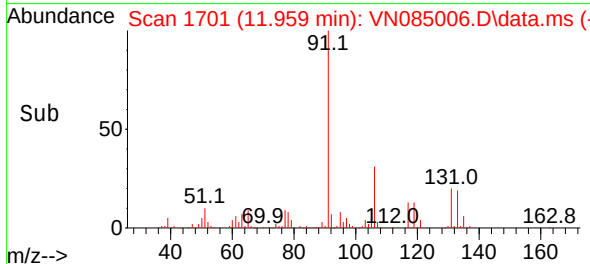
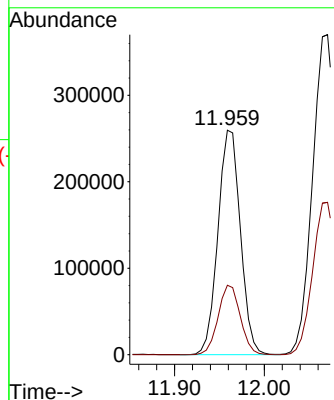
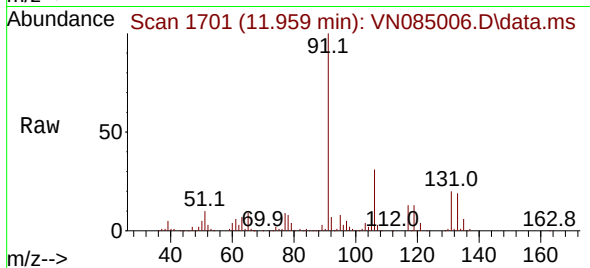
VSTDICCC050

Tgt Ion: 91 Resp: 451491

Ion Ratio Lower Upper

91 100

106 30.9 24.7 37.1



#68

m/p-Xylenes

Concen: 105.174 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085006.D

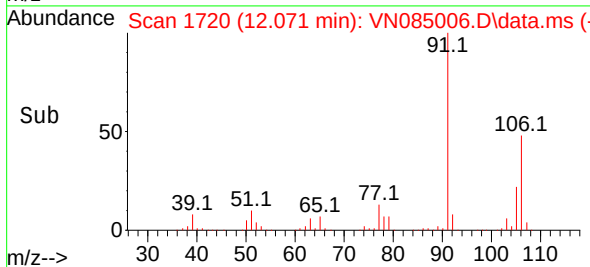
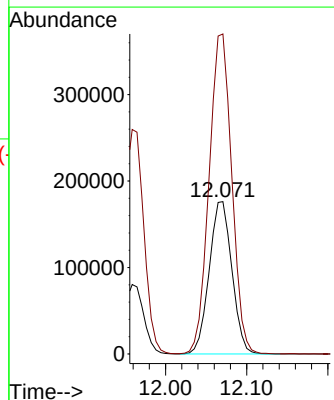
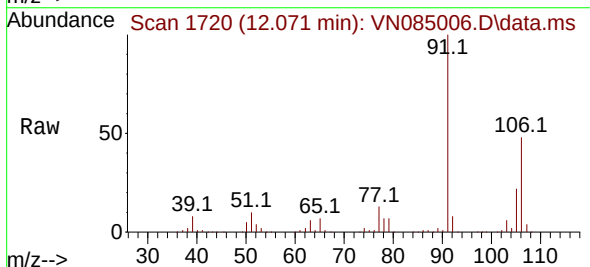
Acq: 22 Nov 2024 11:46

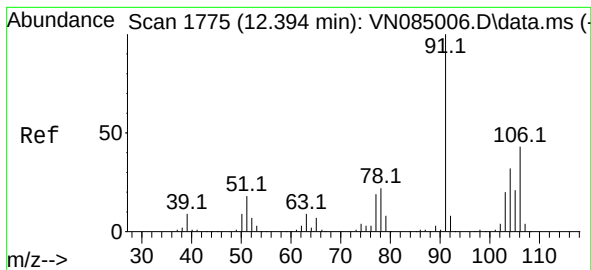
Tgt Ion:106 Resp: 342033

Ion Ratio Lower Upper

106 100

91 210.0 168.0 252.0

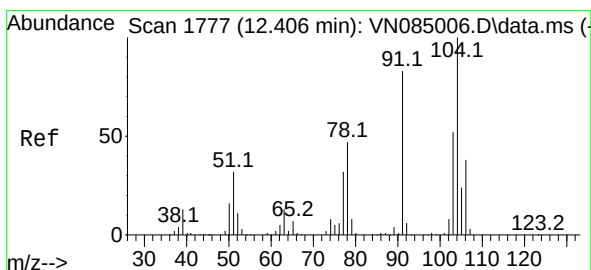
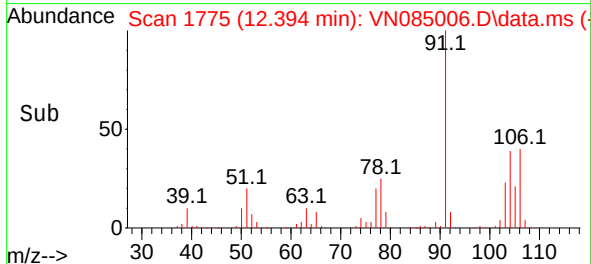
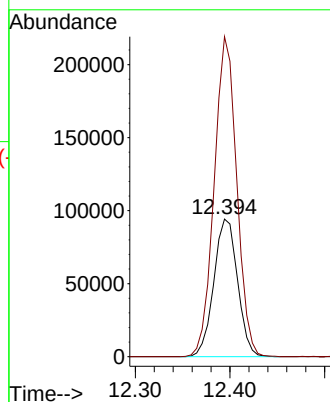
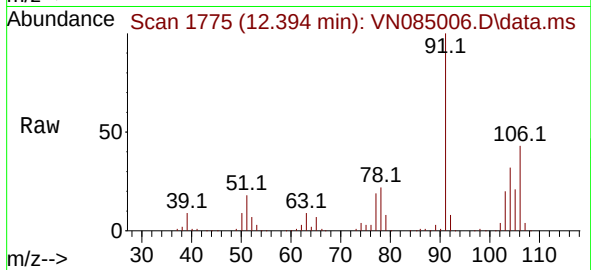




#69
o-Xylene
Concen: 53.059 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

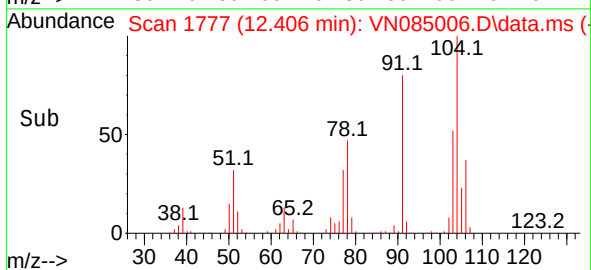
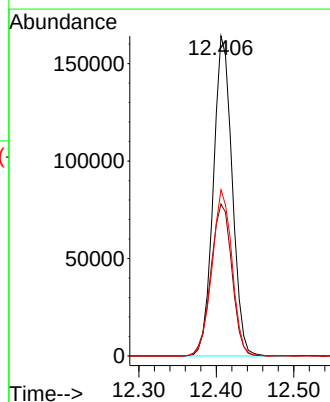
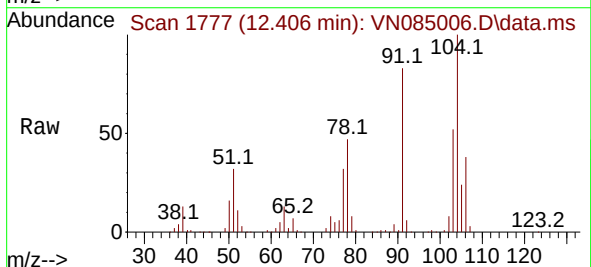
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

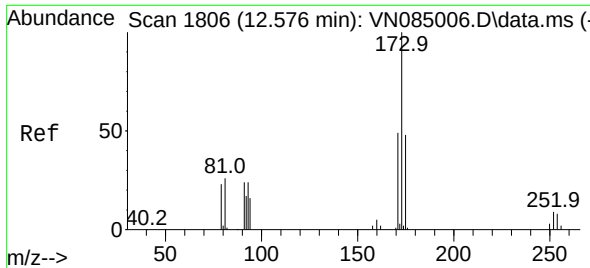
Tgt Ion:106 Resp: 164137
Ion Ratio Lower Upper
106 100
91 221.3 110.7 331.9



#70
Styrene
Concen: 53.912 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:104 Resp: 277349
Ion Ratio Lower Upper
104 100
78 52.9 42.3 63.5
103 55.2 44.2 66.2

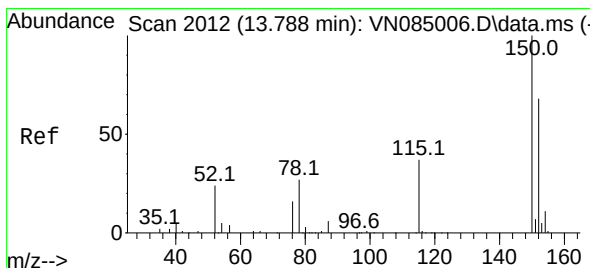
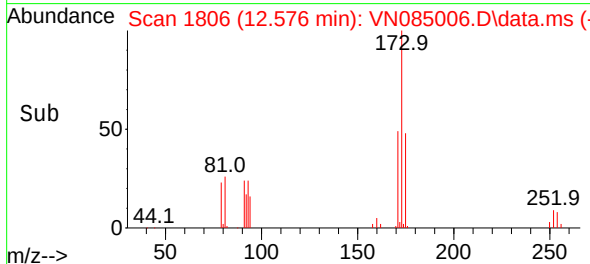
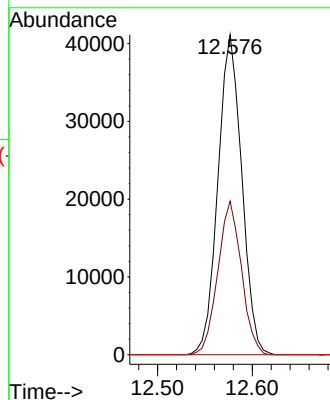
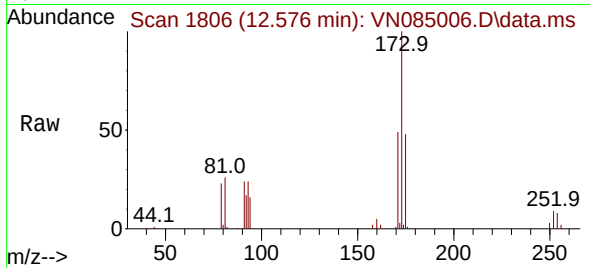




#71
Bromoform
Concen: 52.221 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

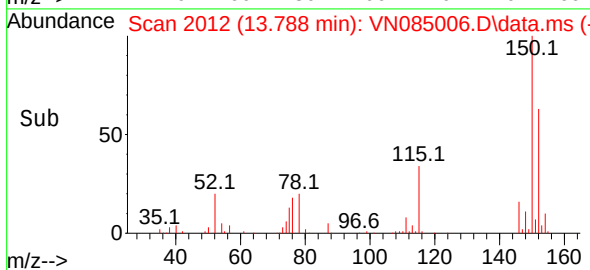
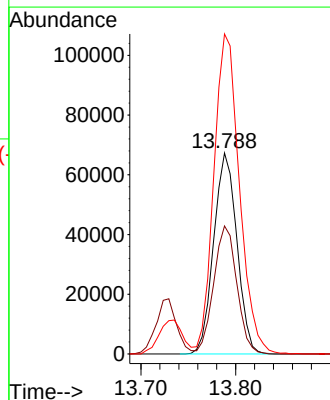
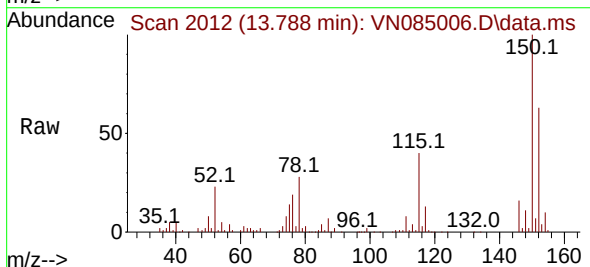
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

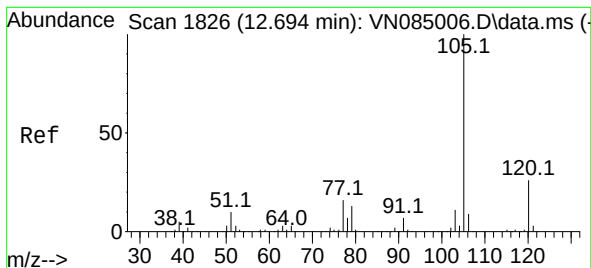
Tgt Ion:173 Resp: 71858
Ion Ratio Lower Upper
173 100
175 47.5 23.8 71.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion:152 Resp: 114469
Ion Ratio Lower Upper
152 100
115 63.4 31.7 95.1
150 175.7 0.0 351.4





#73

Isopropylbenzene

Concen: 51.479 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

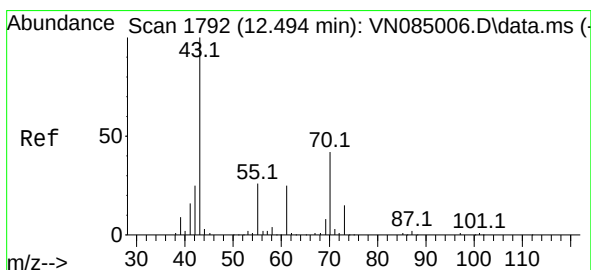
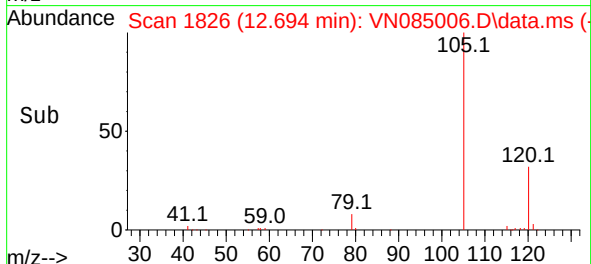
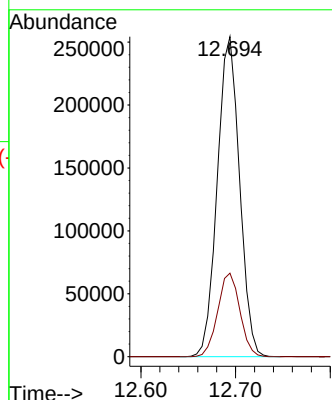
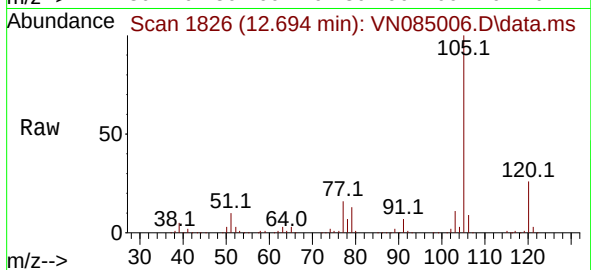
VSTDICCC050

Tgt Ion:105 Resp: 415716

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 53.396 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Tgt Ion: 43 Resp: 177685

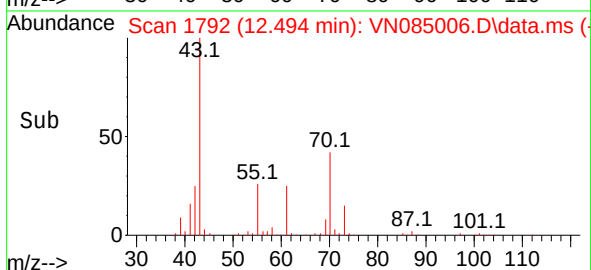
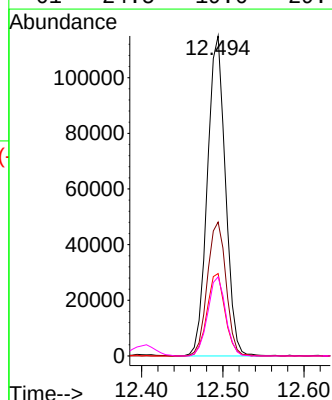
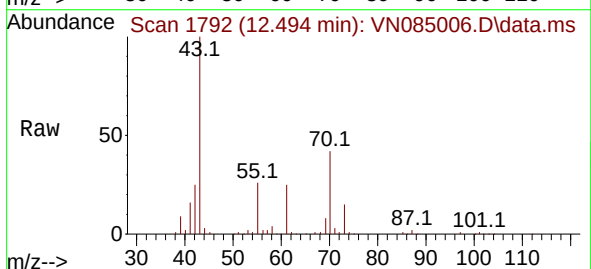
Ion Ratio Lower Upper

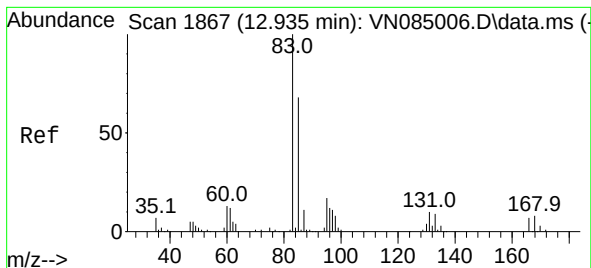
43 100

70 43.2 34.6 51.8

55 25.6 20.5 30.7

61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.771 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

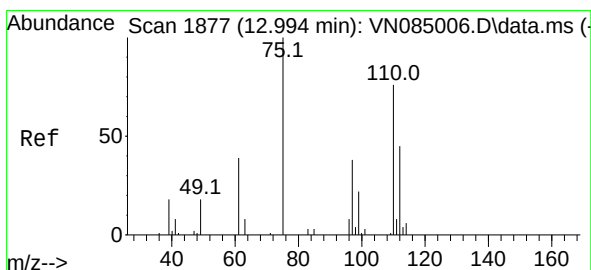
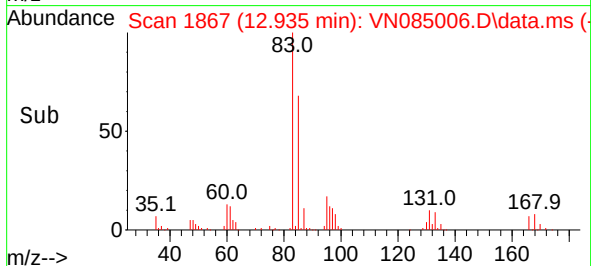
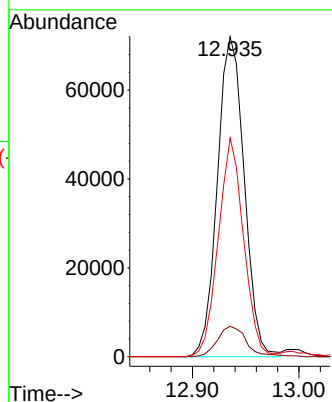
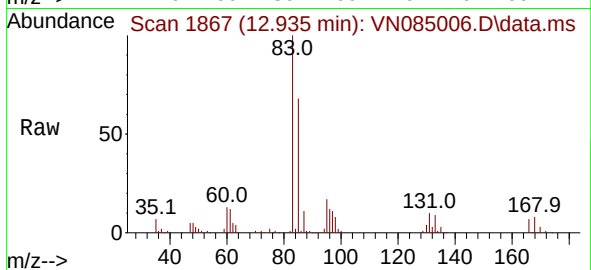
Tgt Ion: 83 Resp: 126215

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

85 64.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 78.620 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. 0.000 min

Lab File: VN085006.D

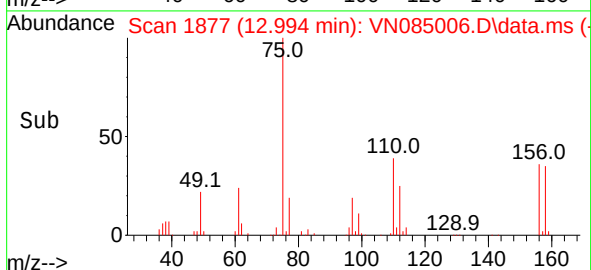
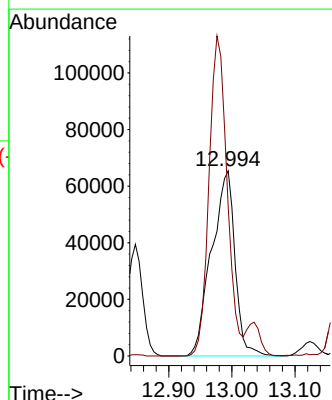
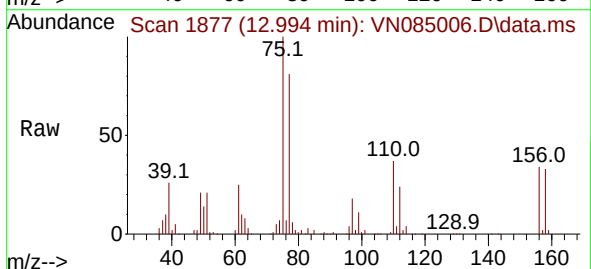
Acq: 22 Nov 2024 11:46

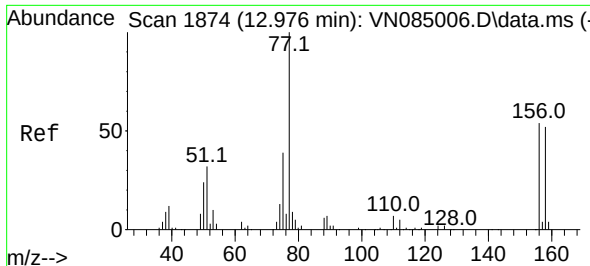
Tgt Ion: 75 Resp: 168352

Ion Ratio Lower Upper

75 100

77 133.9 109.1 327.4

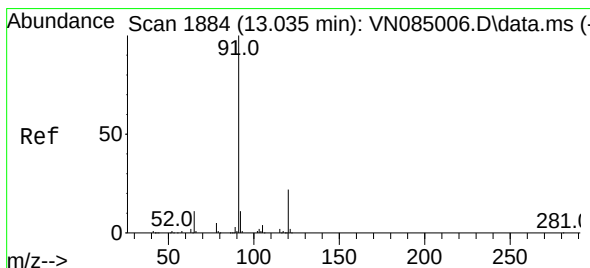
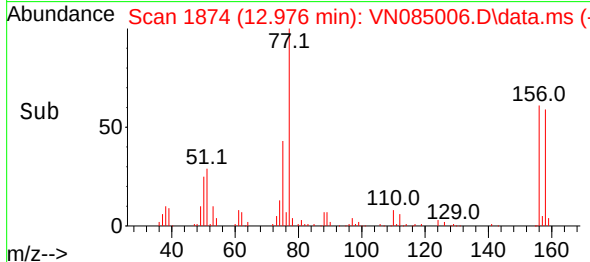
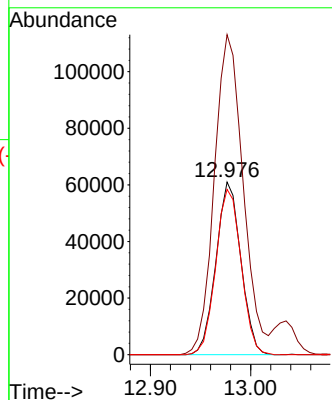
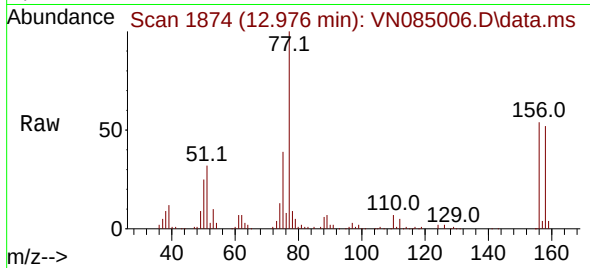




#77
Bromobenzene
Concen: 48.402 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

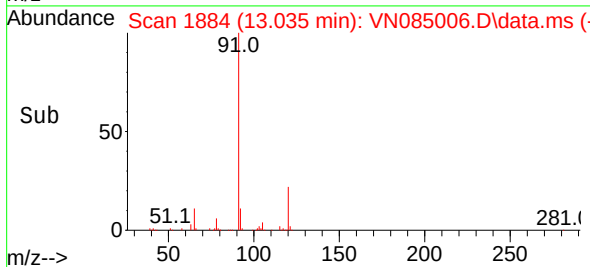
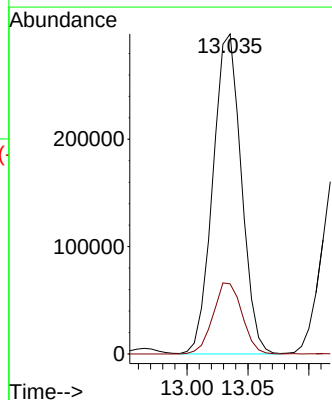
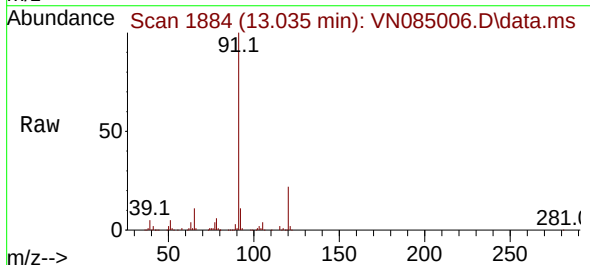
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

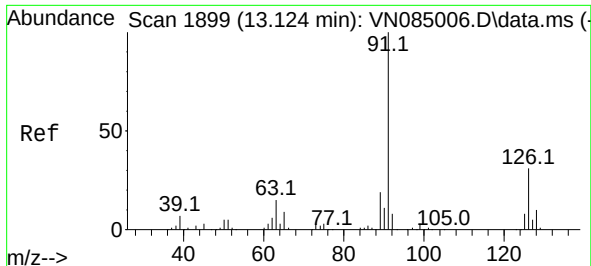
Tgt Ion:156 Resp: 105184
Ion Ratio Lower Upper
156 100
77 214.4 107.2 321.6
158 97.1 48.5 145.6



#78
n-propylbenzene
Concen: 52.059 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 484892
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9





#79

2-Chlorotoluene

Concen: 49.174 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

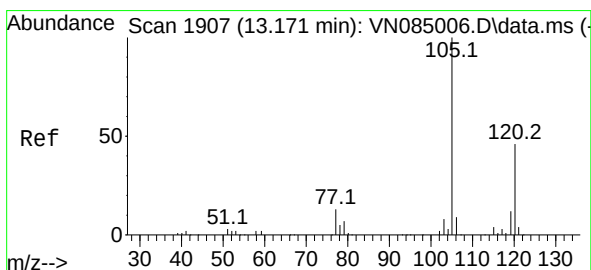
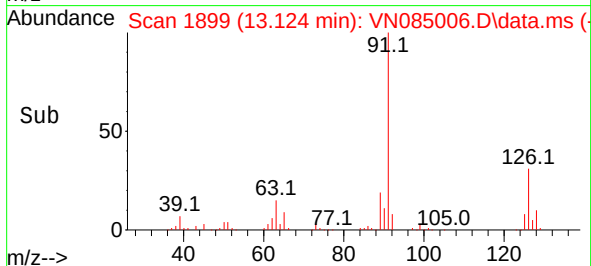
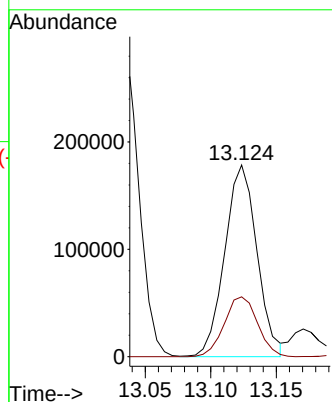
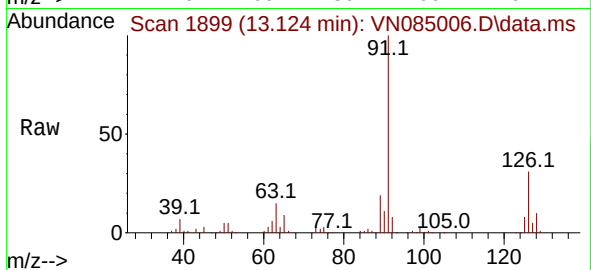
VSTDICCC050

Tgt Ion: 91 Resp: 305747

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 53.145 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085006.D

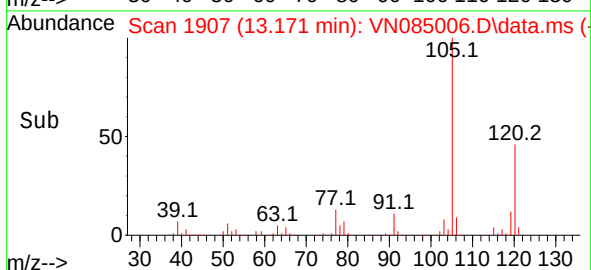
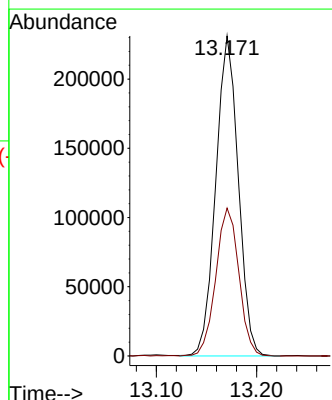
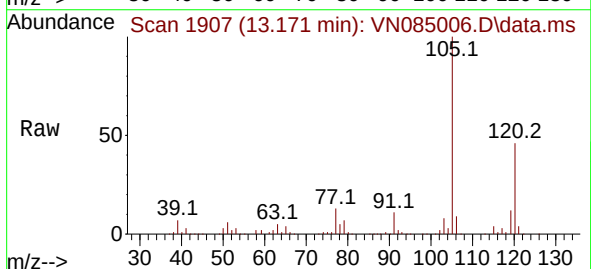
Acq: 22 Nov 2024 11:46

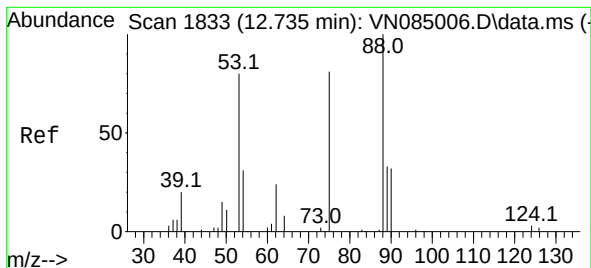
Tgt Ion:105 Resp: 360125

Ion Ratio Lower Upper

105 100

120 47.3 23.6 71.0

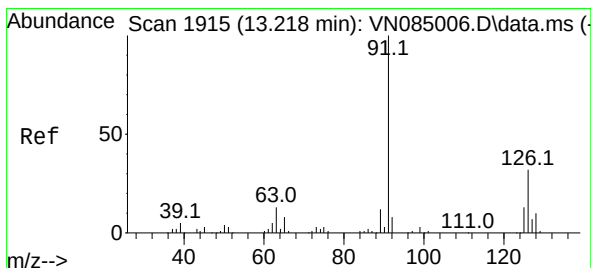
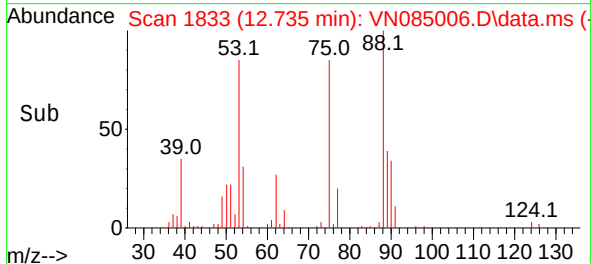
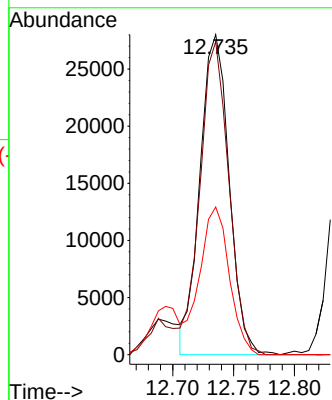
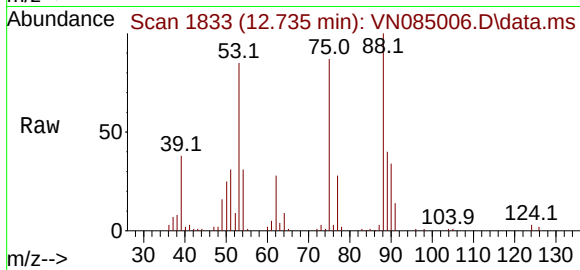




#81
trans-1,4-Dichloro-2-butene
Concen: 50.990 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

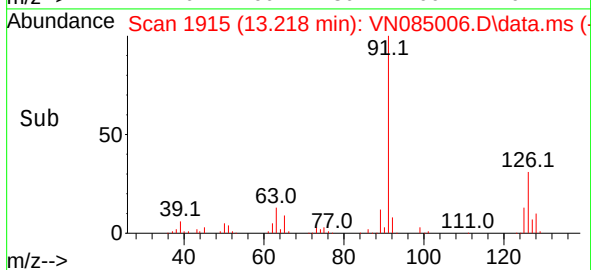
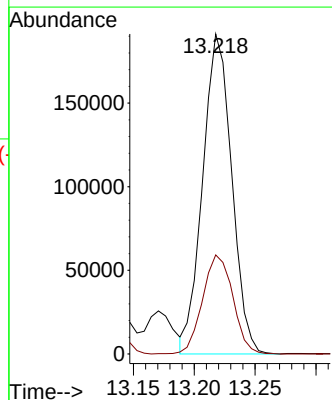
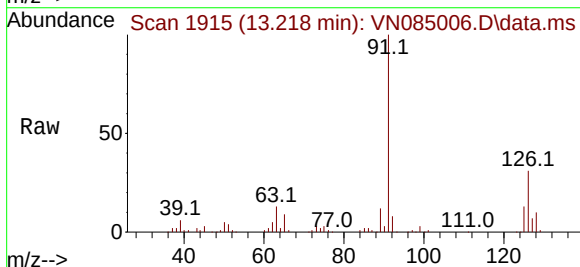
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

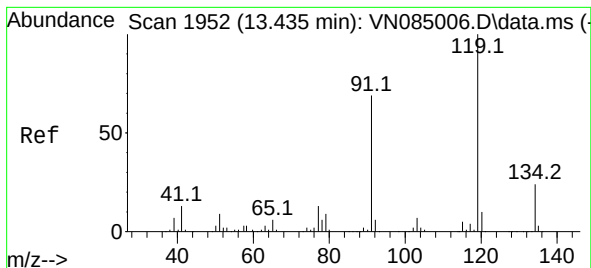
Tgt Ion: 75 Resp: 46724
Ion Ratio Lower Upper
75 100
53 97.8 78.2 117.4
89 47.4 37.9 56.9



#82
4-Chlorotoluene
Concen: 49.063 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 91 Resp: 317569
Ion Ratio Lower Upper
91 100
126 32.2 16.1 48.3





#83

tert-Butylbenzene

Concen: 51.657 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

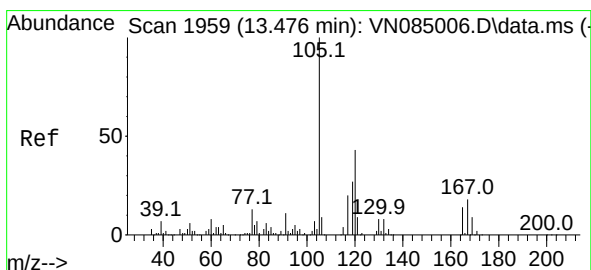
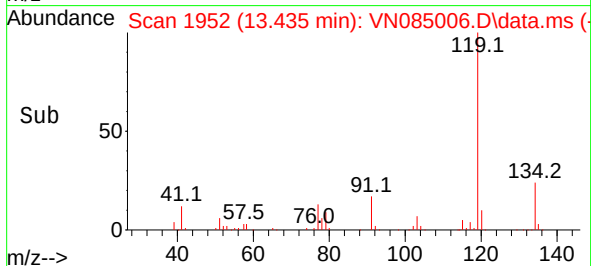
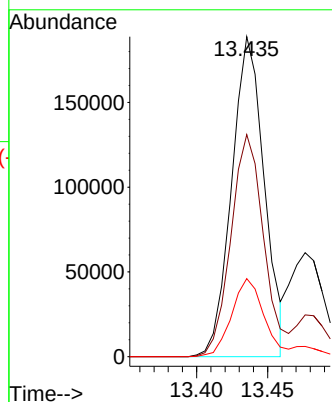
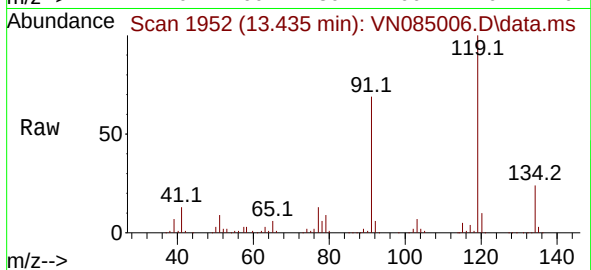
Tgt Ion:119 Resp: 301180

Ion Ratio Lower Upper

119 100

91 70.3 35.1 105.5

134 24.2 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 53.195 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN085006.D

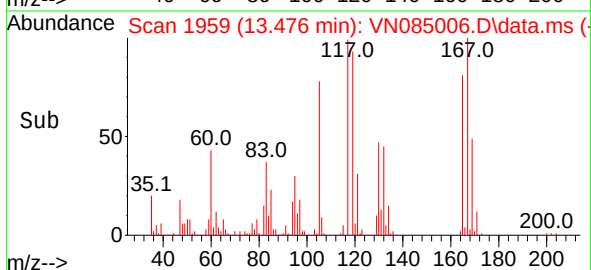
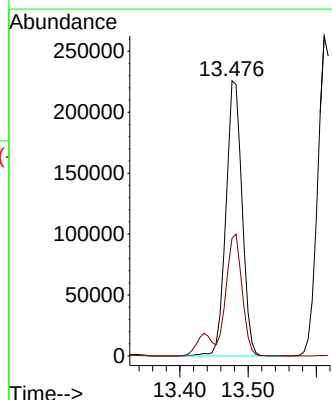
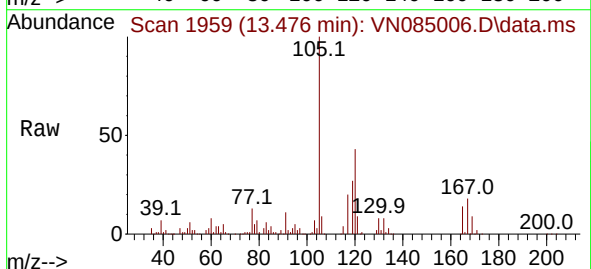
Acq: 22 Nov 2024 11:46

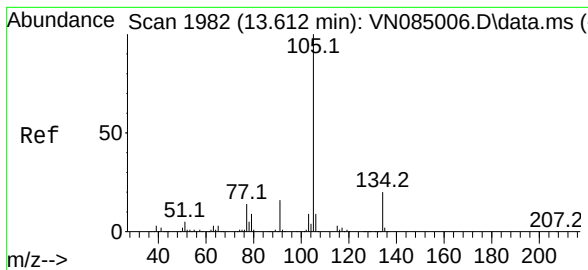
Tgt Ion:105 Resp: 371046

Ion Ratio Lower Upper

105 100

120 43.6 21.8 65.4

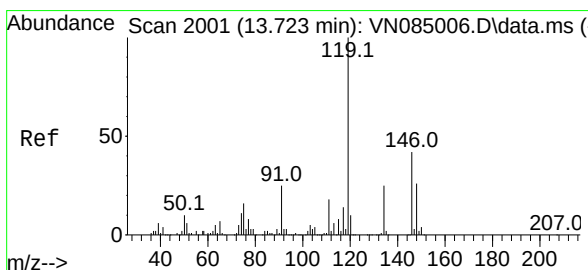
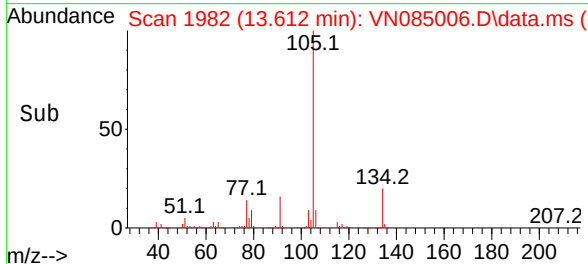
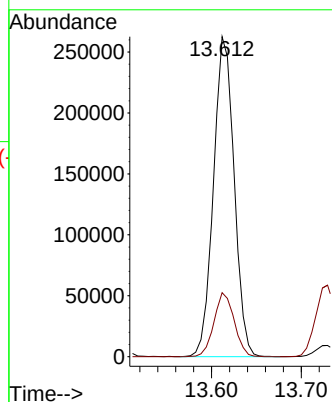
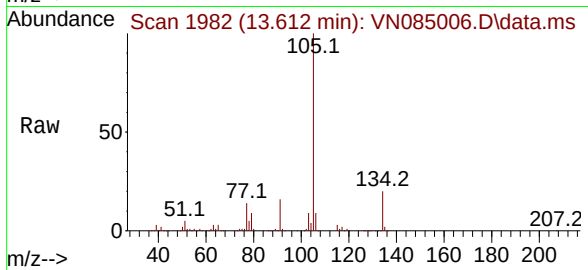




#85
 sec-Butylbenzene
 Concen: 53.296 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

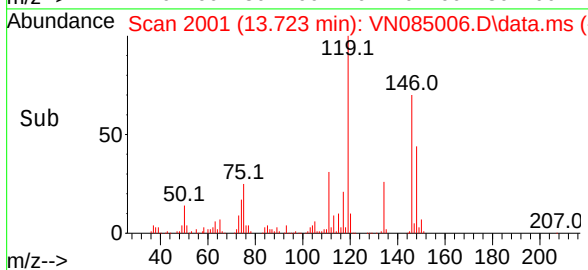
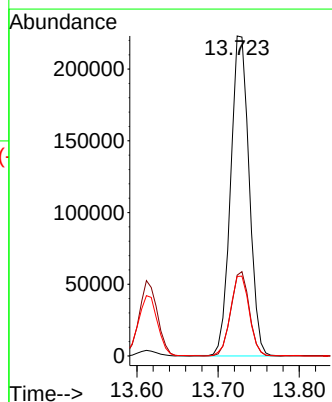
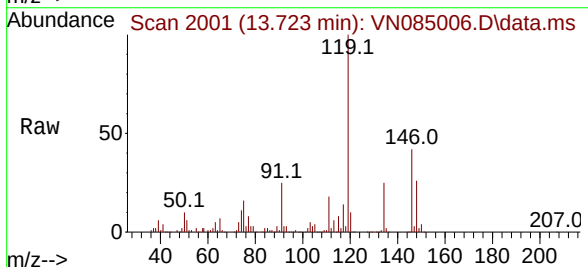
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

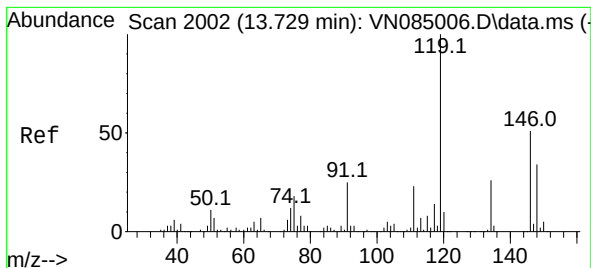
Tgt Ion:105 Resp: 419761
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 54.443 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085006.D
 Acq: 22 Nov 2024 11:46

Tgt Ion:119 Resp: 353974
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 25.6 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 45.855 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

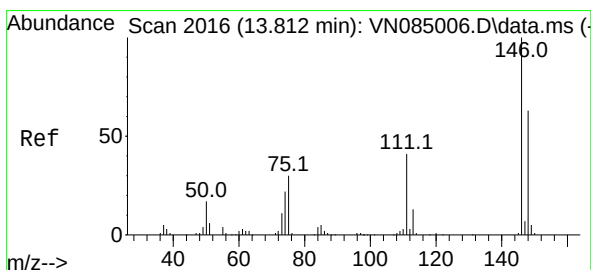
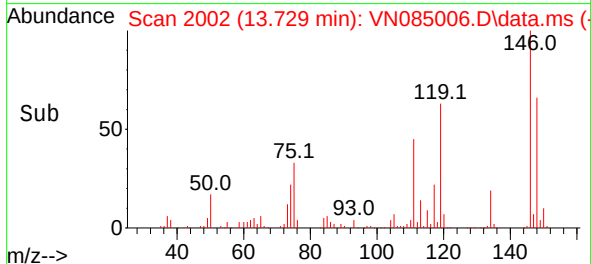
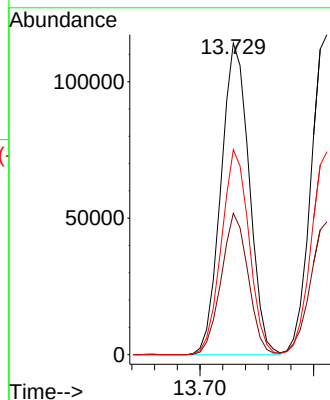
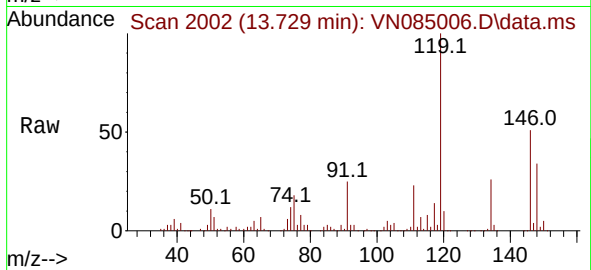
Tgt Ion:146 Resp: 196552

Ion Ratio Lower Upper

146 100

111 43.3 21.6 65.0

148 64.4 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 46.058 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

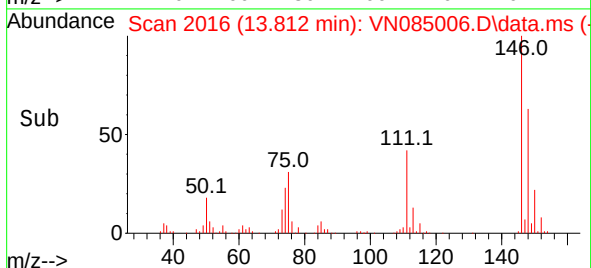
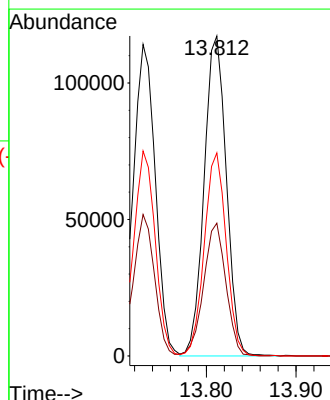
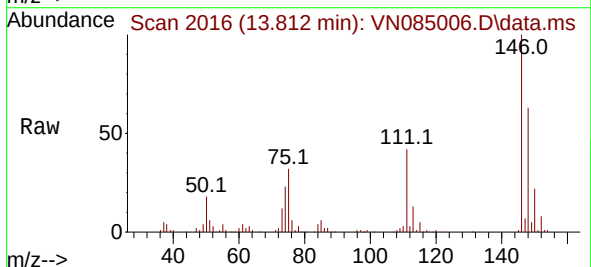
Tgt Ion:146 Resp: 201469

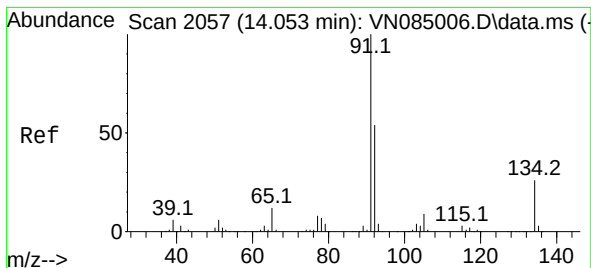
Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.8

148 62.6 31.3 93.9





#89

n-Butylbenzene

Concen: 50.564 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

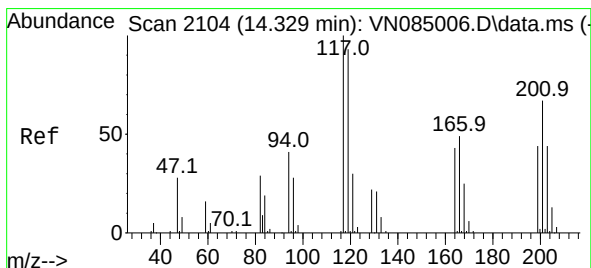
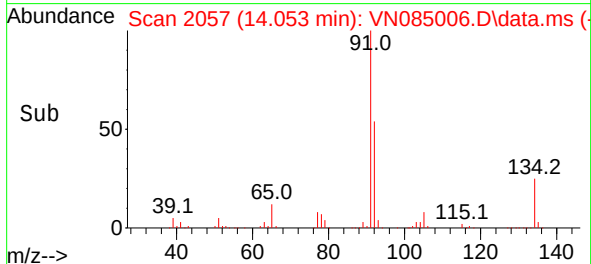
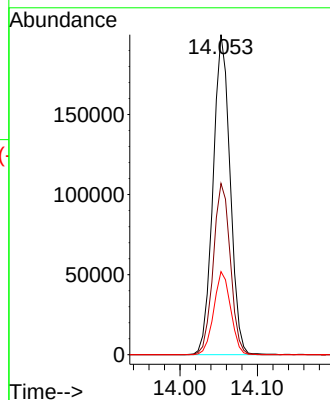
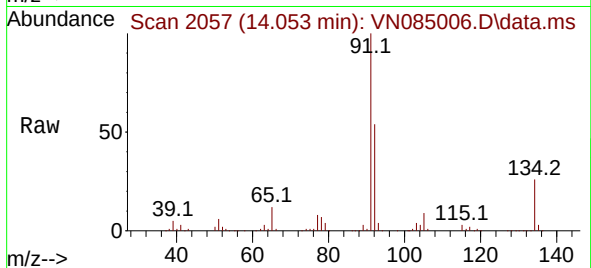
Tgt Ion: 91 Resp: 305730

Ion Ratio Lower Upper

91 100

92 53.5 26.8 80.3

134 25.6 12.8 38.4



#90

Hexachloroethane

Concen: 49.001 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN085006.D

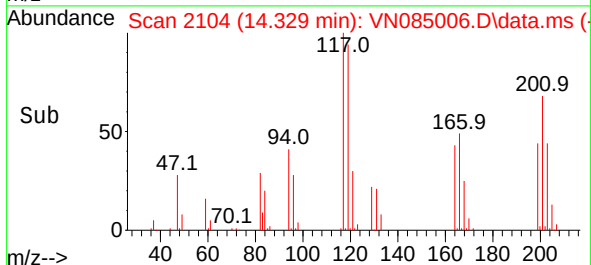
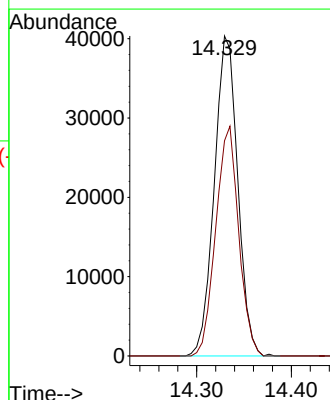
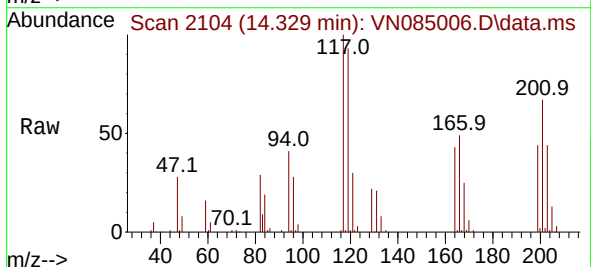
Acq: 22 Nov 2024 11:46

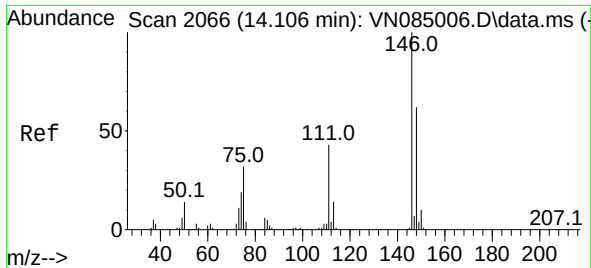
Tgt Ion:117 Resp: 69444

Ion Ratio Lower Upper

117 100

201 70.4 35.2 105.6

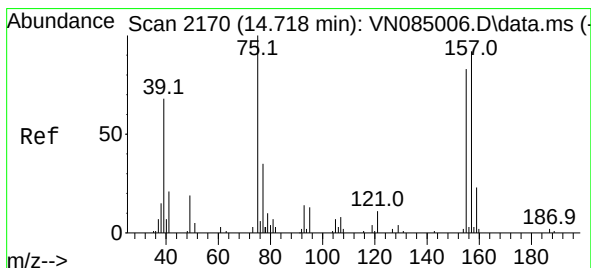
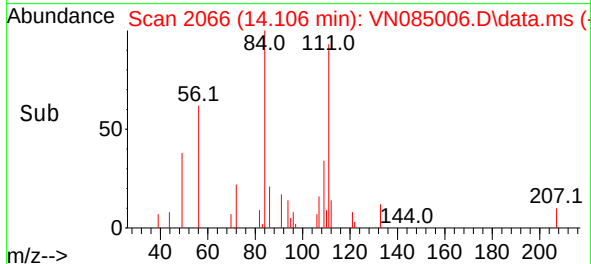
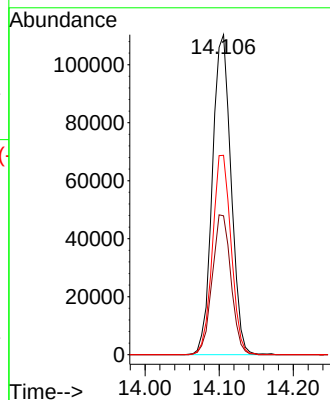
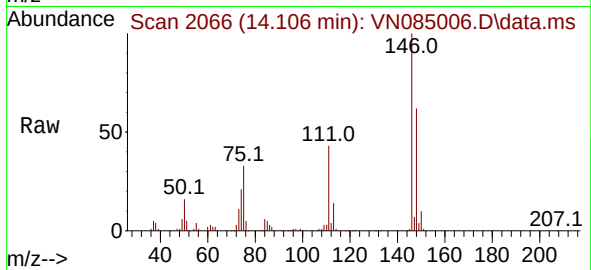




#91
1,2-Dichlorobenzene
Concen: 47.019 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

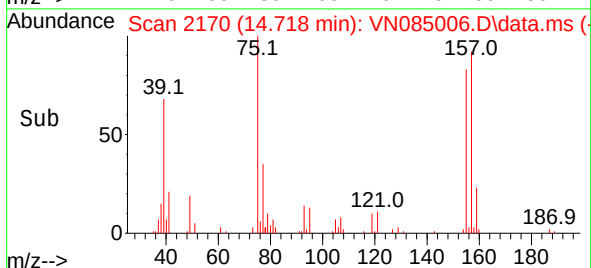
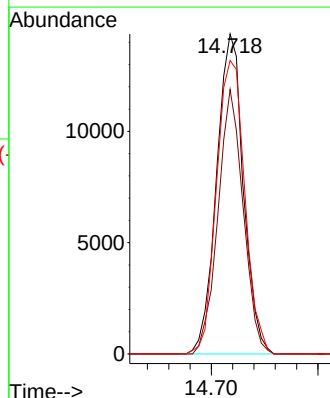
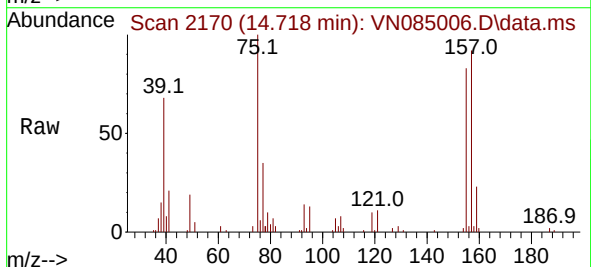
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

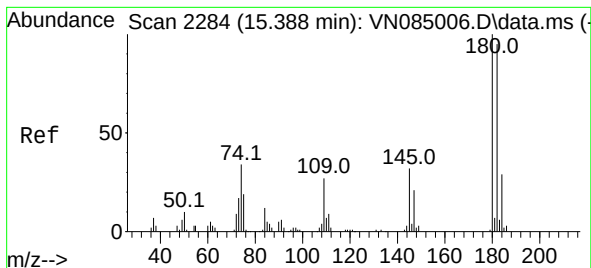
Tgt Ion:146 Resp: 193123
Ion Ratio Lower Upper
146 100
111 43.9 21.9 65.8
148 62.1 31.1 93.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.995 ug/l
RT: 14.718 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN085006.D
Acq: 22 Nov 2024 11:46

Tgt Ion: 75 Resp: 25059
Ion Ratio Lower Upper
75 100
155 77.8 38.9 116.7
157 96.6 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 46.278 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

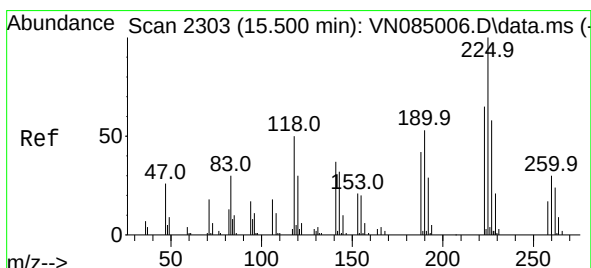
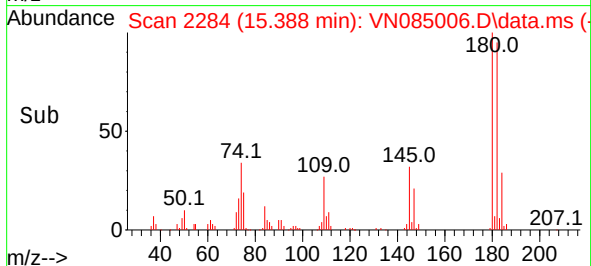
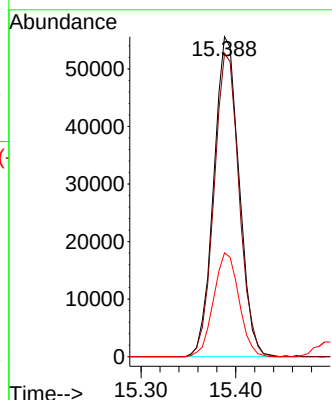
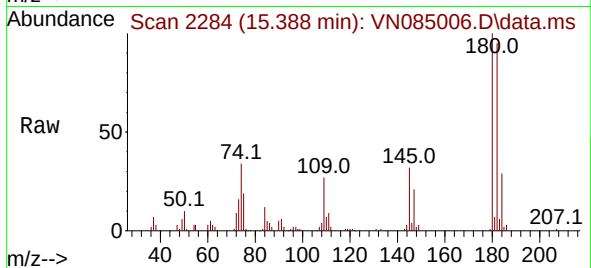
Tgt Ion:180 Resp: 103265

Ion Ratio Lower Upper

180 100

182 93.9 46.9 140.8

145 32.5 16.3 48.8



#94

Hexachlorobutadiene

Concen: 44.848 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

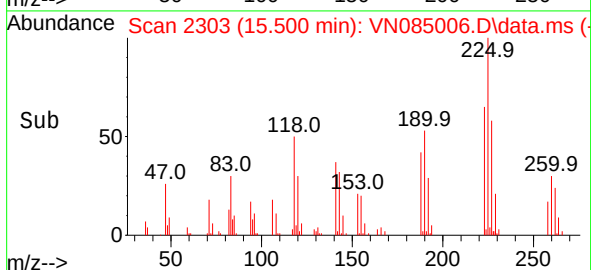
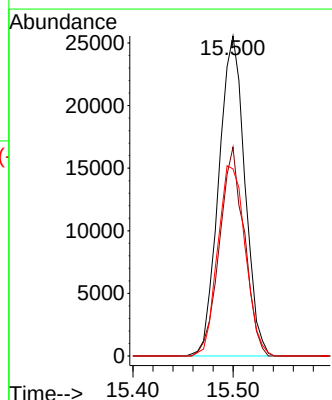
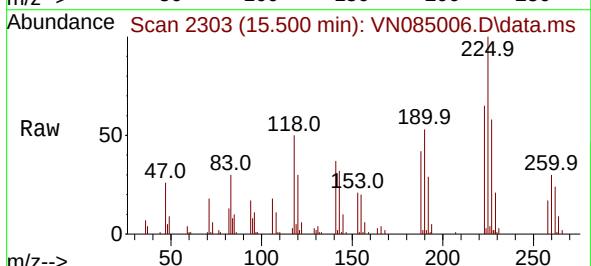
Tgt Ion:225 Resp: 46186

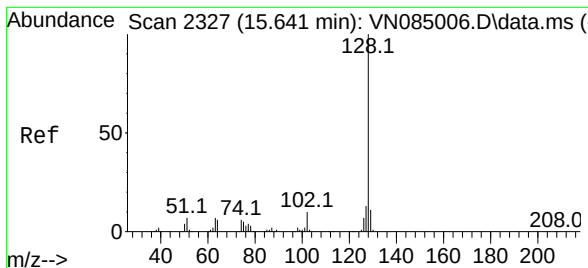
Ion Ratio Lower Upper

225 100

223 61.9 30.9 92.8

227 63.0 31.5 94.5





#95

Naphthalene

Concen: 51.063 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

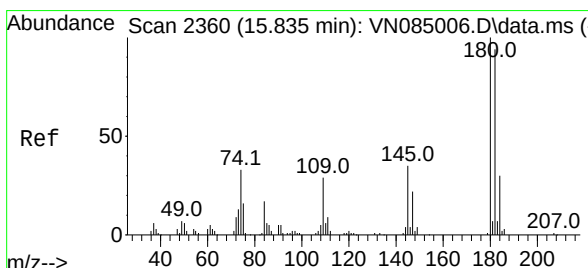
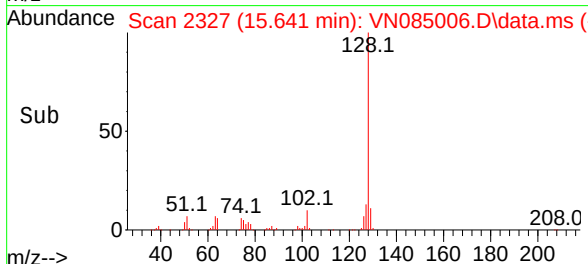
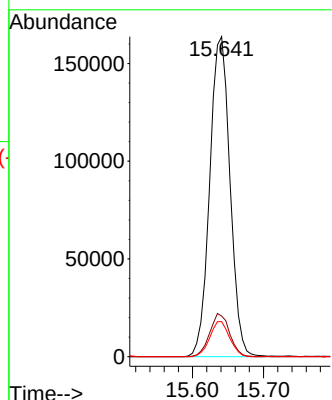
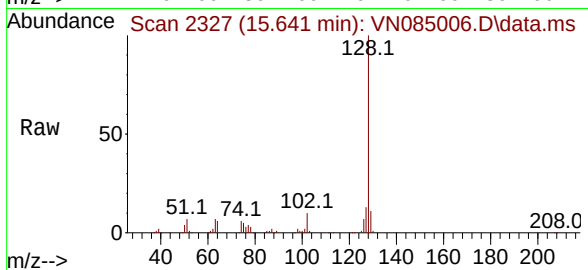
Tgt Ion:128 Resp: 324523

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 48.269 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN085006.D

Acq: 22 Nov 2024 11:46

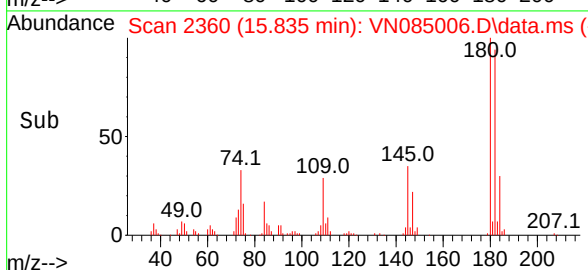
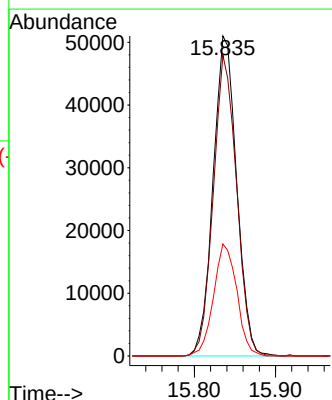
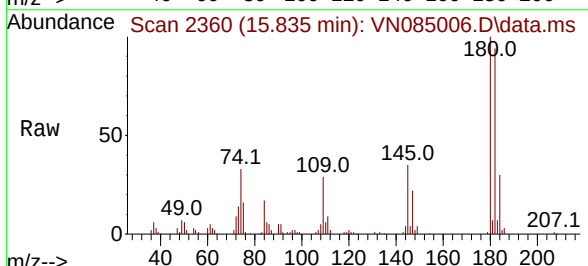
Tgt Ion:180 Resp: 102772

Ion Ratio Lower Upper

180 100

182 92.8 46.4 139.2

145 34.7 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	36.960%#
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	36.940%#
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	38.140%#
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	37.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l	99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l	99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l	98
44) Trichloroethene	9.347	130	38334	20.127	ug/l	96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l	96
46) Dibromomethane	9.706	93	28140	20.062	ug/l	98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l	97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l	98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l	99
52) Toluene	10.629	92	100021	20.615	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l	96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l	98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l	100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l	99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l	97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l	99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l	93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l	98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l	98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l	99
69) o-Xylene	12.394	106	66013	20.565	ug/l	97
70) Styrene	12.406	104	113503	21.263	ug/l	99
71) Bromoform	12.576	173	28783	20.159	ug/l #	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l	100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	70585	32.262	ug/l	47
77) Bromobenzene	12.976	156	43298	19.500	ug/l	99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l	99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l	99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l	99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l	99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l	100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l	99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l	100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l	98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l	95
95) Naphthalene	15.641	128	132816	20.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l	98

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Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

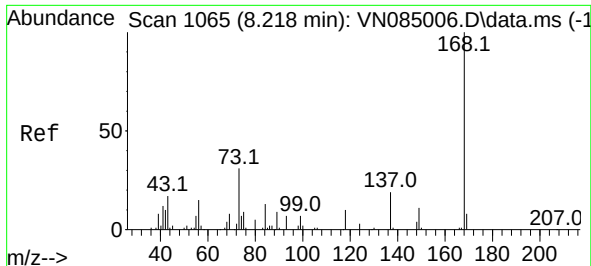
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Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
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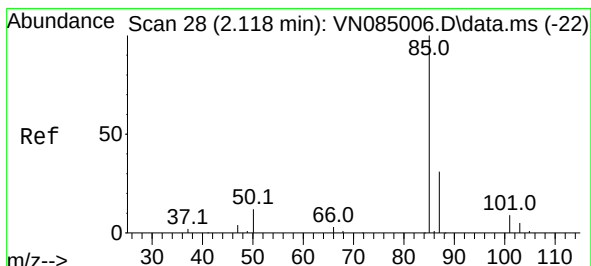
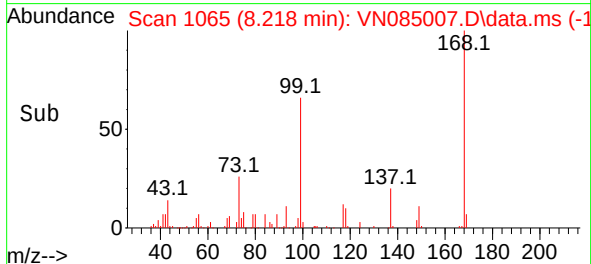
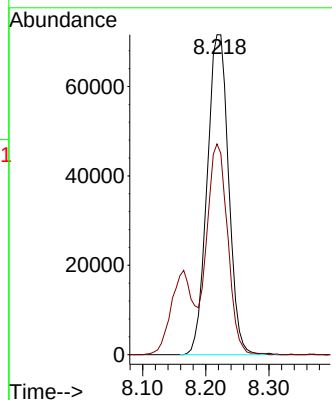
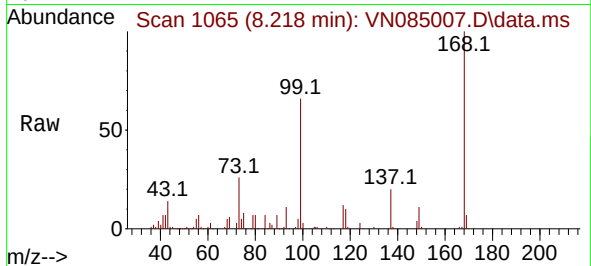




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

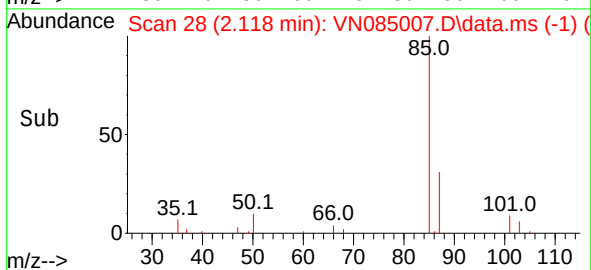
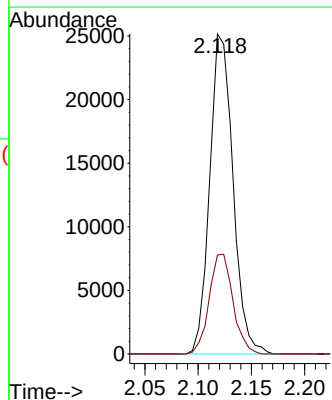
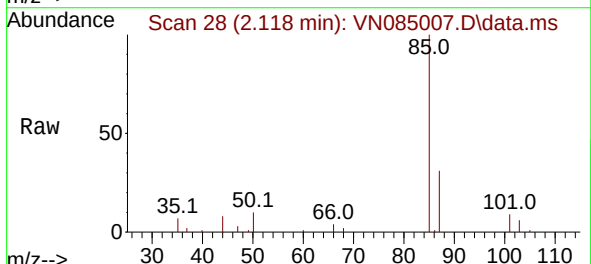
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

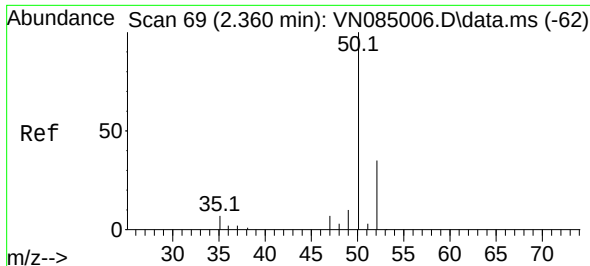
Tgt Ion:168 Resp: 168636
Ion Ratio Lower Upper
168 100
99 65.9 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 20.048 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 85 Resp: 38229
Ion Ratio Lower Upper
85 100
87 30.9 15.7 47.1

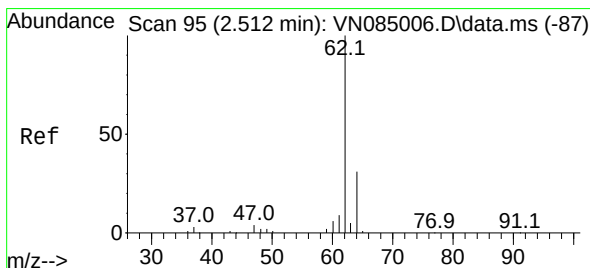
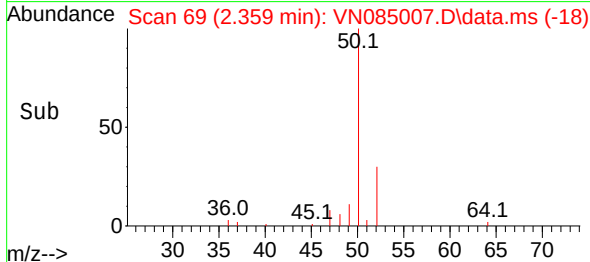
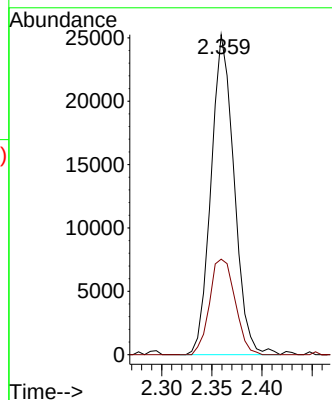
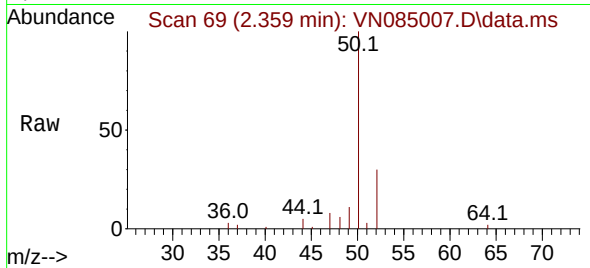




#3
Chloromethane
Concen: 18.269 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

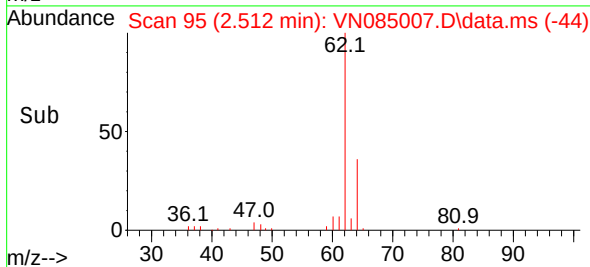
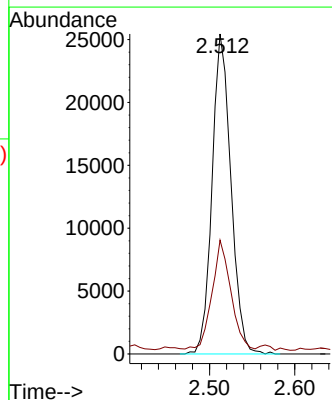
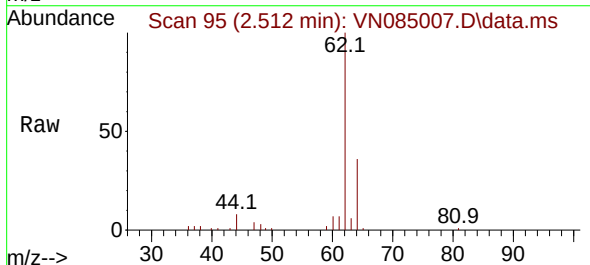
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VSTDIC020

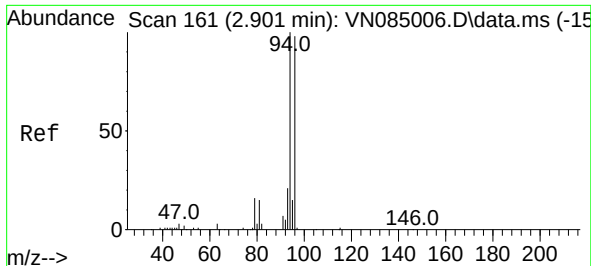
Tgt Ion: 50 Resp: 40404
Ion Ratio Lower Upper
50 100
52 29.9 27.8 41.8



#4
Vinyl Chloride
Concen: 19.658 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 62 Resp: 39070
Ion Ratio Lower Upper
62 100
64 33.9 24.6 36.8

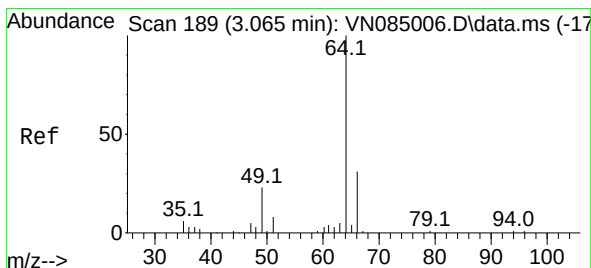
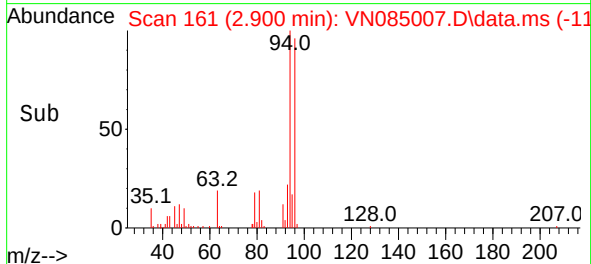
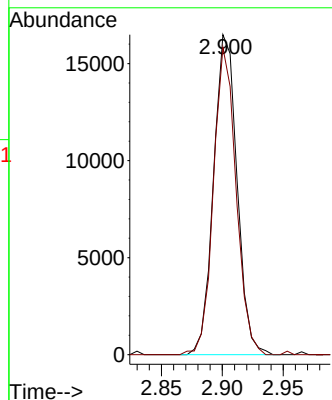
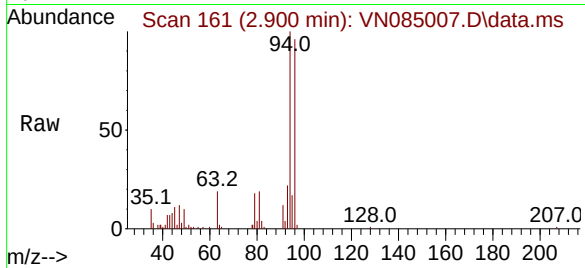




#5
Bromomethane
Concen: 19.817 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

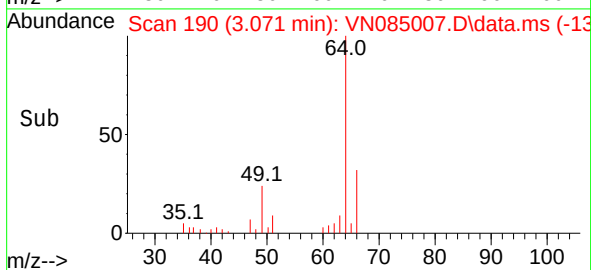
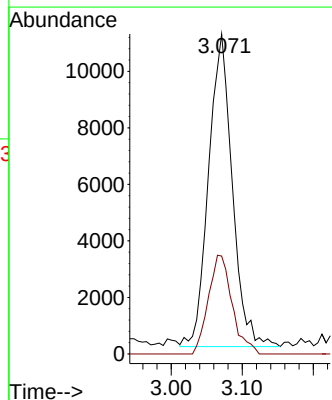
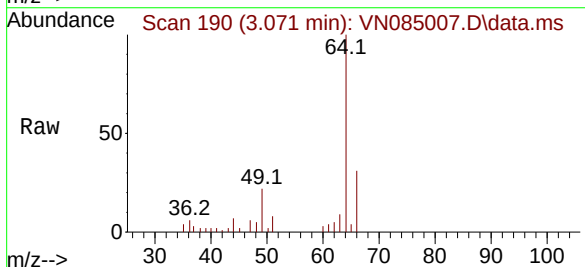
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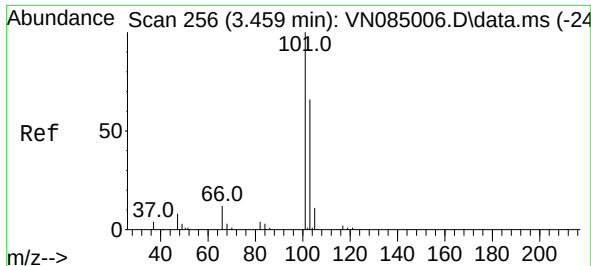
Tgt Ion: 94 Resp: 22076
Ion Ratio Lower Upper
94 100
96 96.0 78.7 118.1



#6
Chloroethane
Concen: 19.141 ug/l
RT: 3.071 min Scan# 190
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 64 Resp: 25643
Ion Ratio Lower Upper
64 100
66 31.3 24.4 36.6

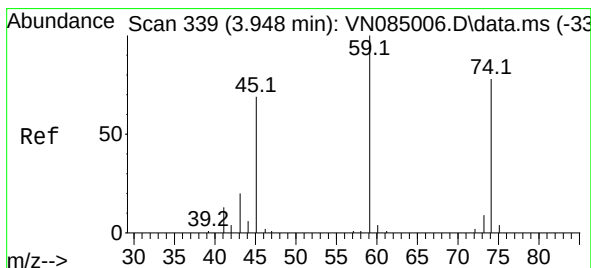
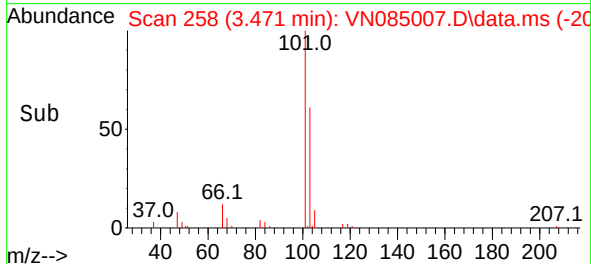
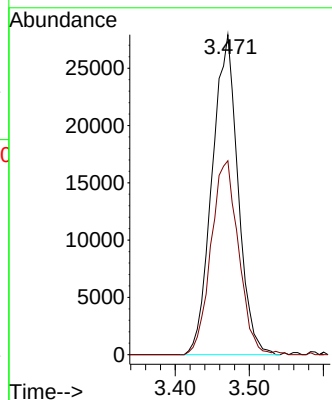
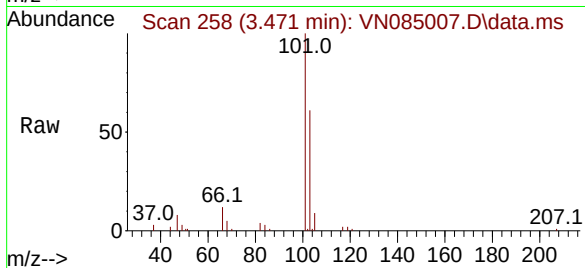




#7
Trichlorofluoromethane
Concen: 20.049 ug/l
RT: 3.471 min Scan# 256
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

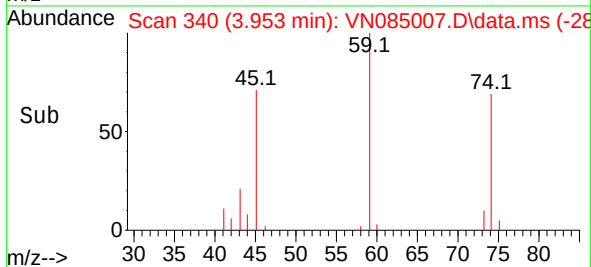
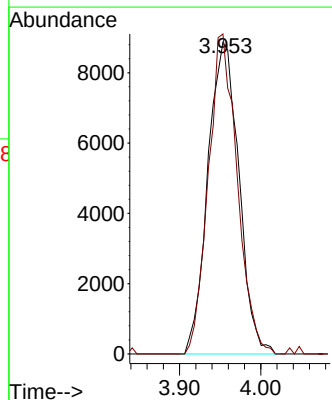
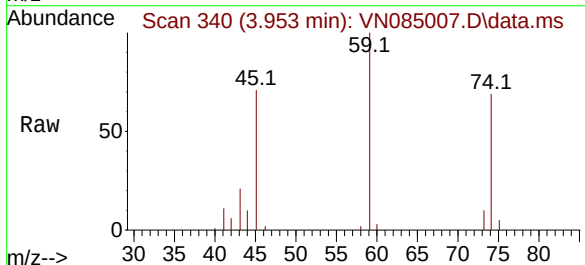
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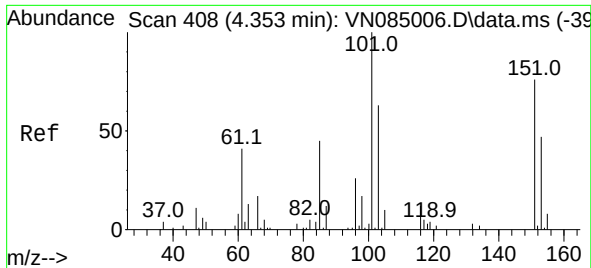
Tgt Ion:101 Resp: 67785
Ion Ratio Lower Upper
101 100
103 60.6 52.6 78.8



#8
Diethyl Ether
Concen: 20.434 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 74 Resp: 23514
Ion Ratio Lower Upper
74 100
45 95.8 46.7 140.1

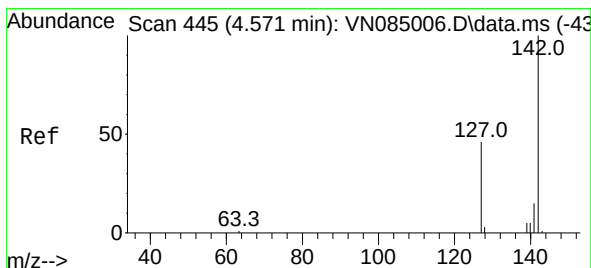
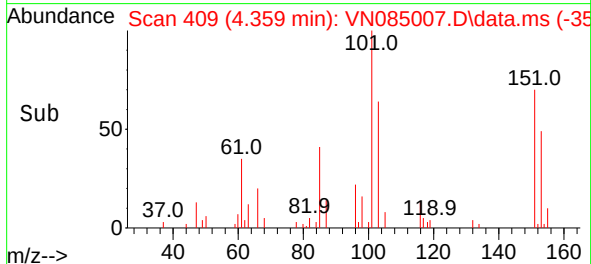
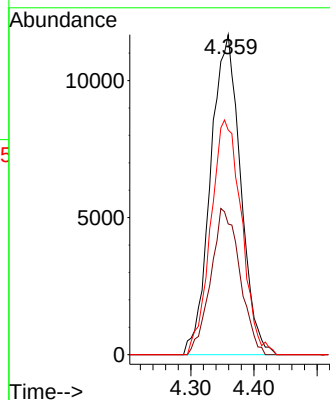
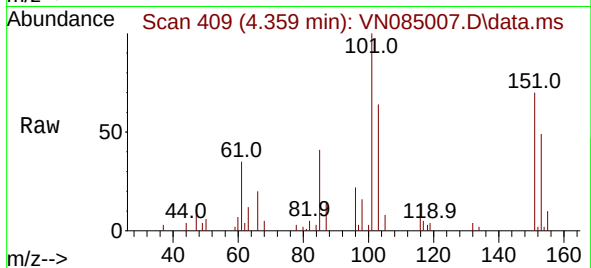




#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.031 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

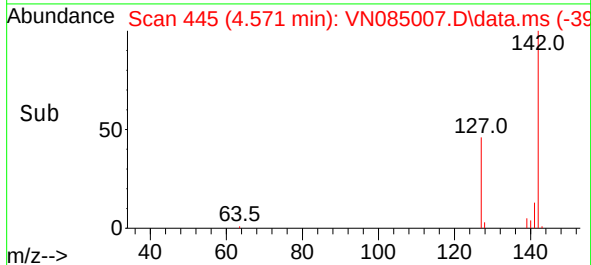
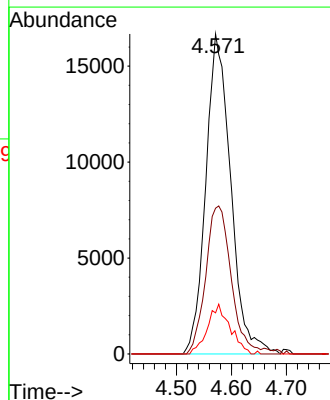
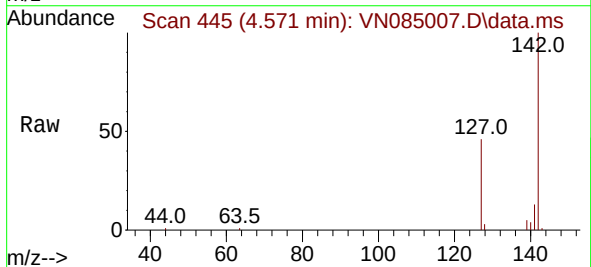
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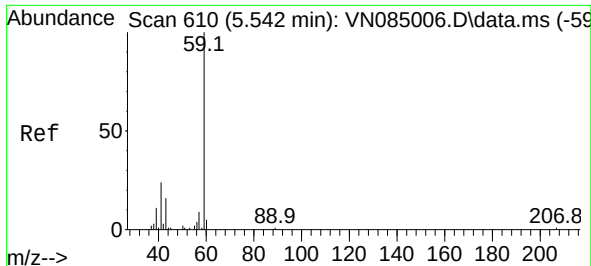
Tgt Ion:101 Resp: 38412
Ion Ratio Lower Upper
101 100
85 44.4 36.9 55.3
151 75.5 60.8 91.2



#10
Methyl Iodide
Concen: 20.683 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:142 Resp: 52498
Ion Ratio Lower Upper
142 100
127 45.5 36.6 54.8
141 12.9 12.2 18.4

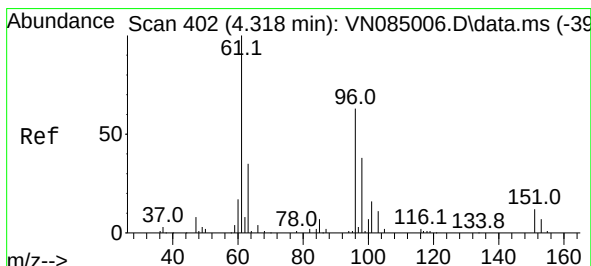
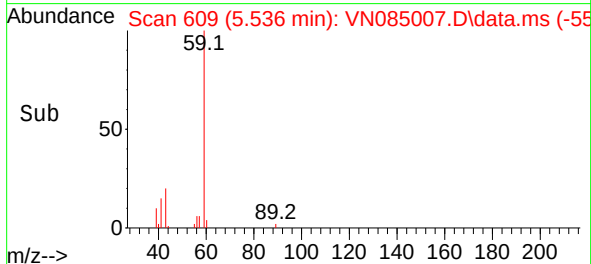
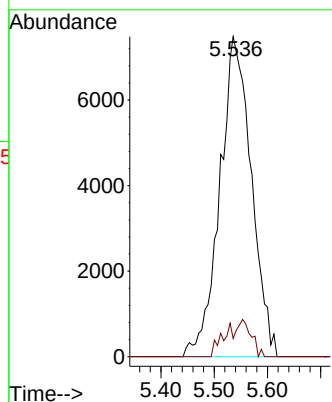
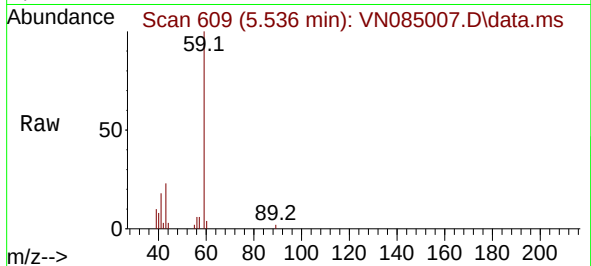




#11
Tert butyl alcohol
Concen: 95.749 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

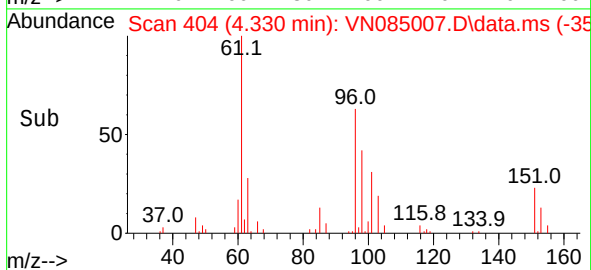
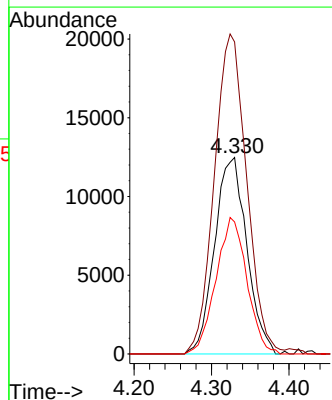
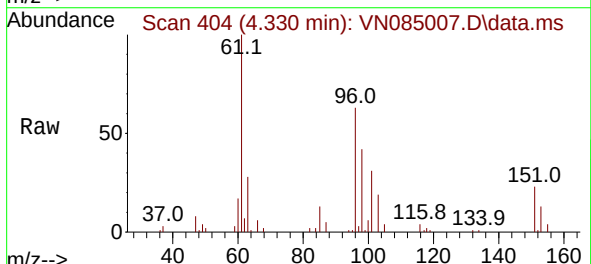
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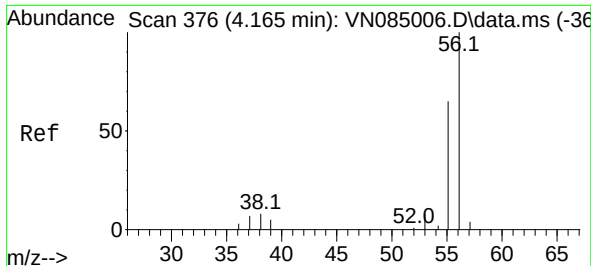
Tgt Ion: 59 Resp: 30735
Ion Ratio Lower Upper
59 100
57 3.7 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 20.128 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 96 Resp: 36027
Ion Ratio Lower Upper
96 100
61 158.7 127.8 191.8
98 67.1 49.2 73.8

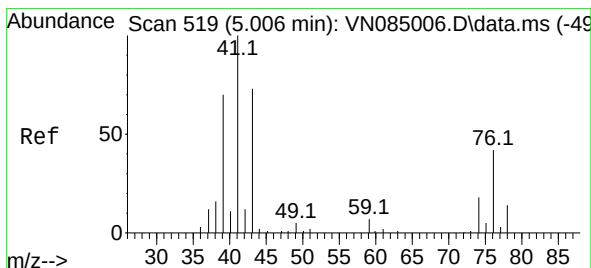
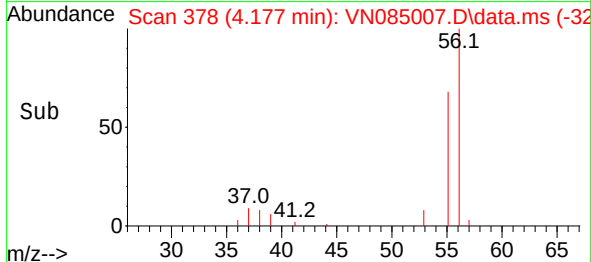
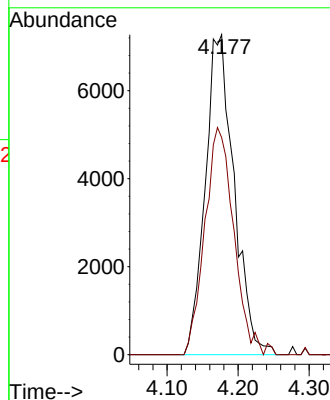
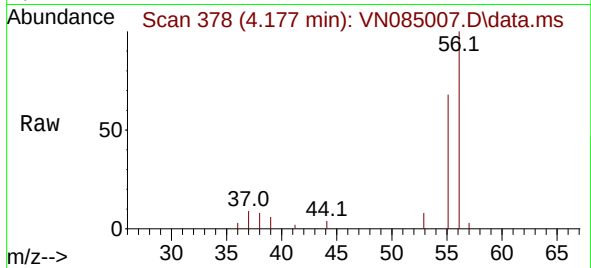




#13
Acrolein
Concen: 95.606 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

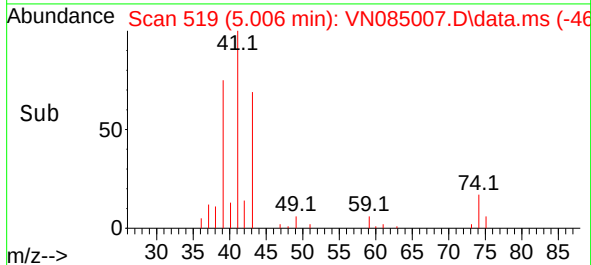
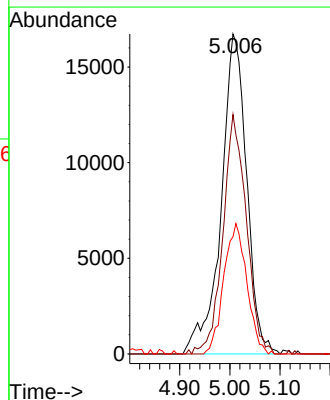
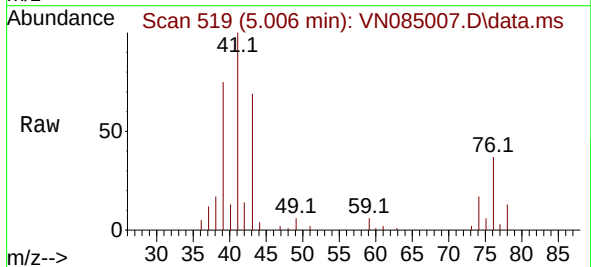
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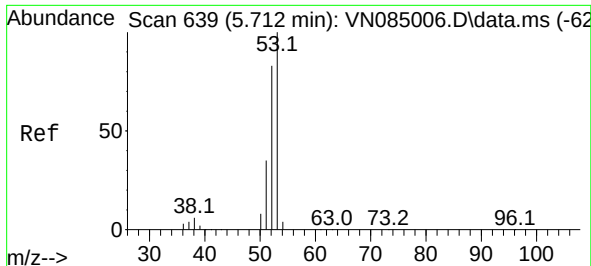
Tgt Ion: 56 Resp: 20478
Ion Ratio Lower Upper
56 100
55 71.2 54.5 81.7



#14
Allyl chloride
Concen: 19.590 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 59110
Ion Ratio Lower Upper
41 100
39 68.7 53.8 80.8
76 36.9 29.3 43.9

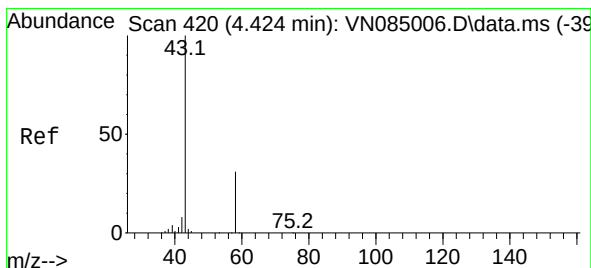
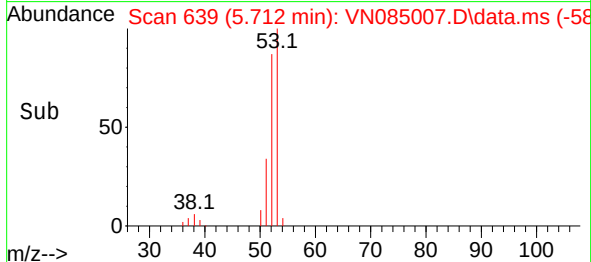
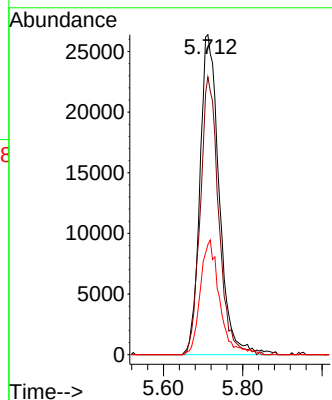
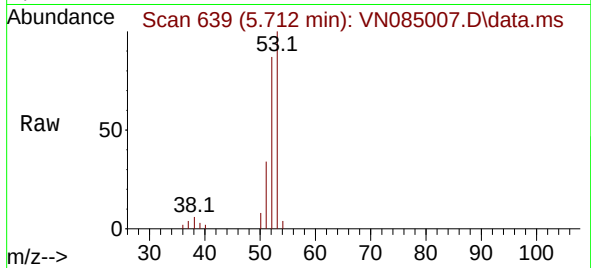




#15
Acrylonitrile
Concen: 98.100 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

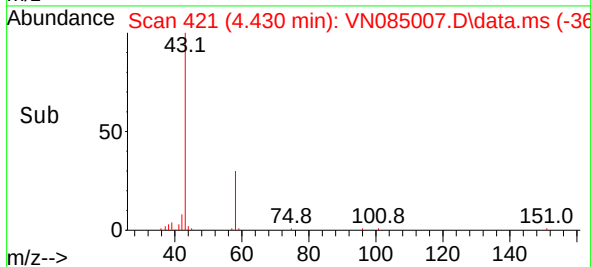
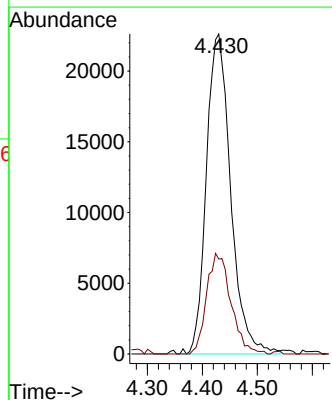
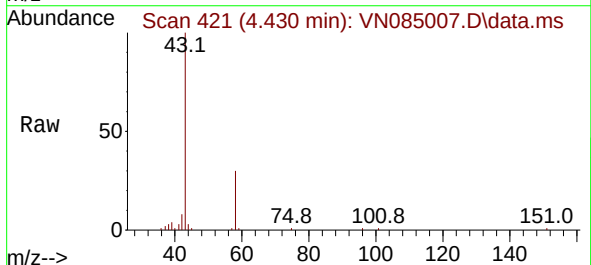
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

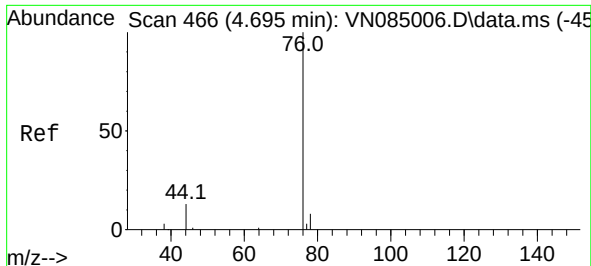
Tgt Ion: 53 Resp: 89152
Ion Ratio Lower Upper
53 100
52 82.4 65.5 98.3
51 35.8 28.4 42.6



#16
Acetone
Concen: 99.393 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 69534
Ion Ratio Lower Upper
43 100
58 29.6 25.4 38.2

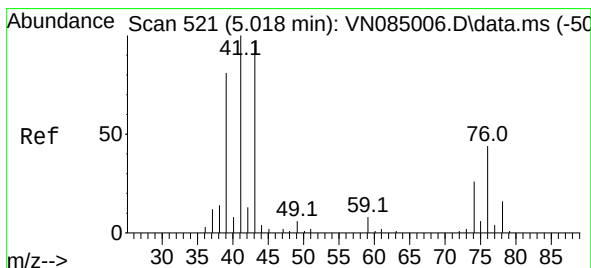
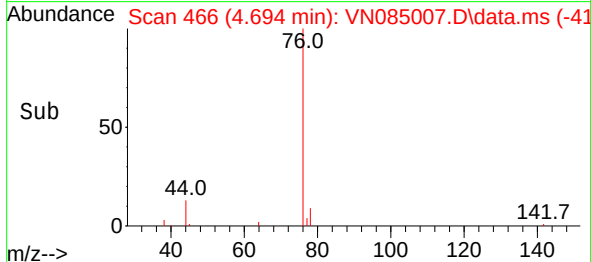
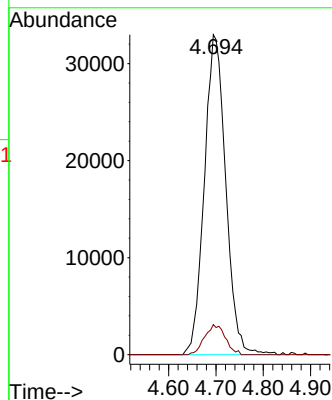
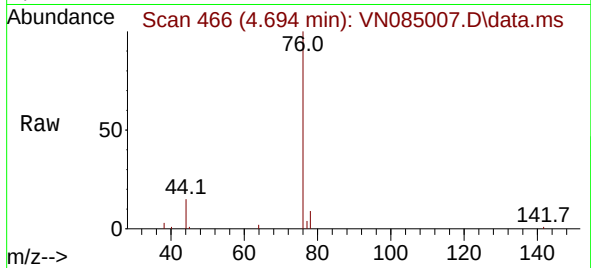




#17
Carbon Disulfide
Concen: 19.602 ug/l
RT: 4.694 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

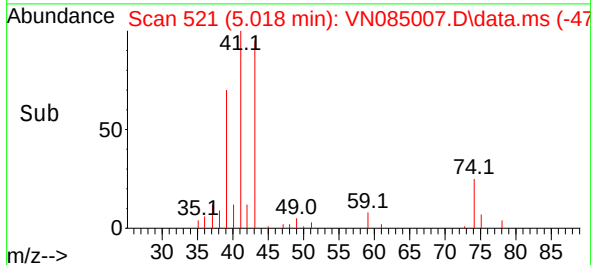
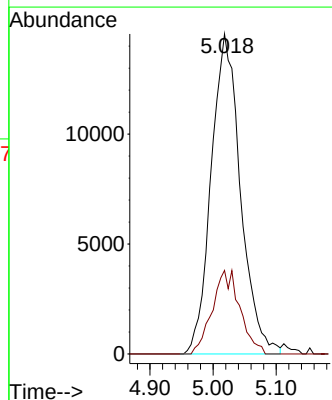
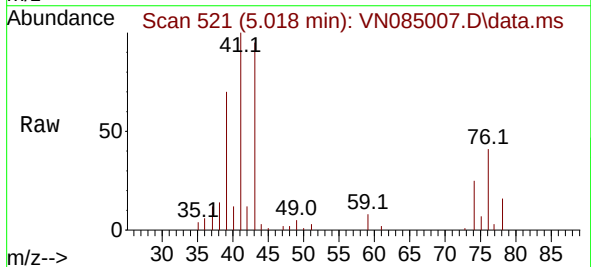
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

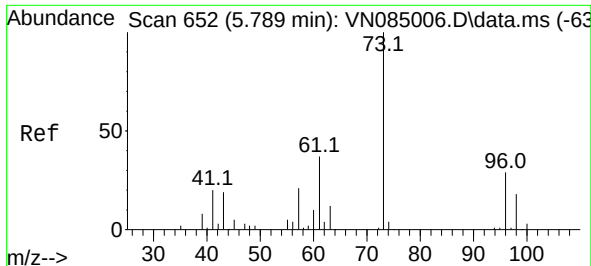
Tgt Ion: 76 Resp: 103559
Ion Ratio Lower Upper
76 100
78 9.4 6.5 9.7



#18
Methyl Acetate
Concen: 20.318 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 46954
Ion Ratio Lower Upper
43 100
74 24.7 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 20.350 ug/l

RT: 5.788 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

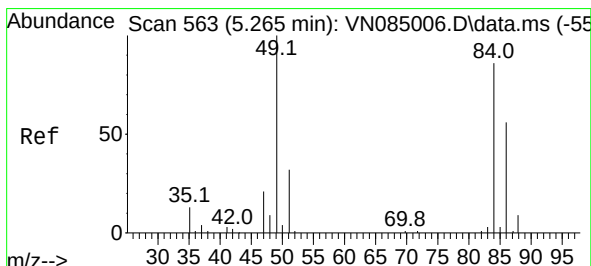
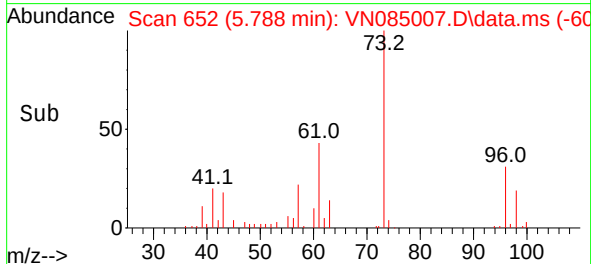
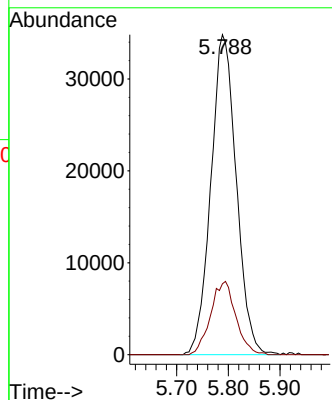
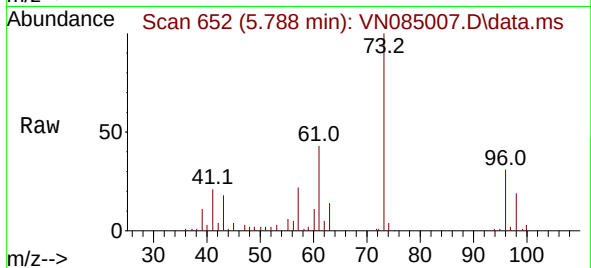
VSTDIC020

Tgt Ion: 73 Resp: 119013

Ion Ratio Lower Upper

73 100

57 22.2 17.0 25.4



#20

Methylene Chloride

Concen: 19.553 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 84 Resp: 41741

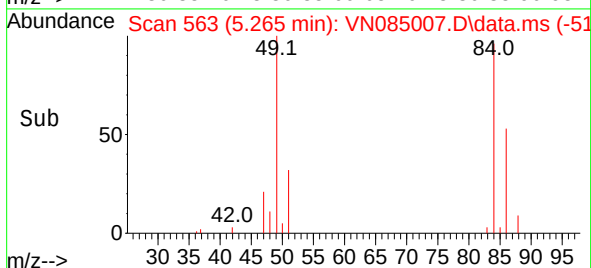
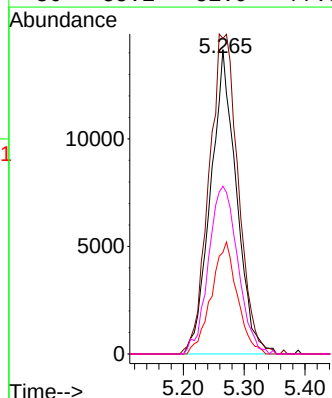
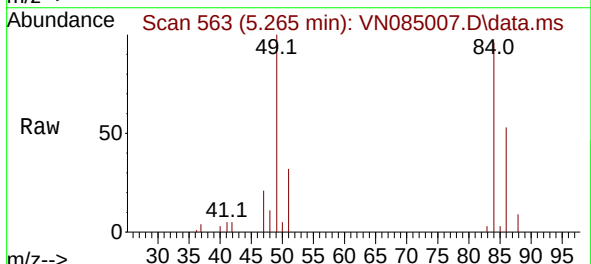
Ion Ratio Lower Upper

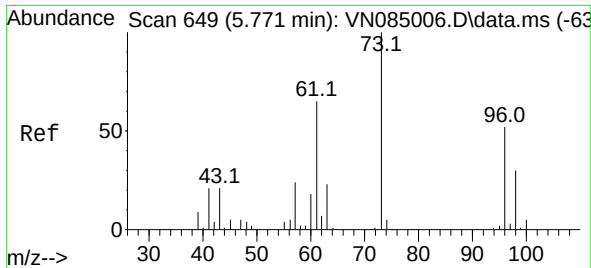
84 100

49 103.7 92.7 139.1

51 33.4 29.4 44.2

86 55.1 51.9 77.9

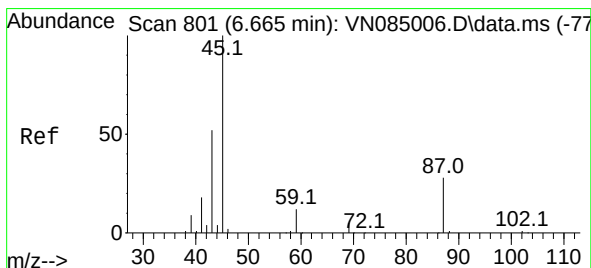
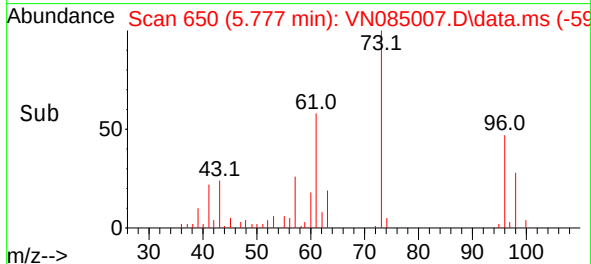
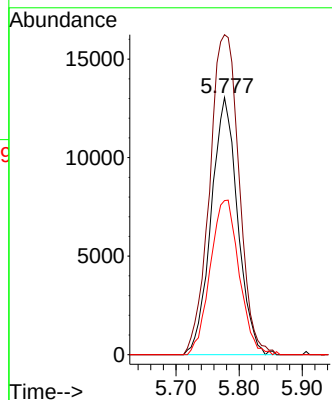
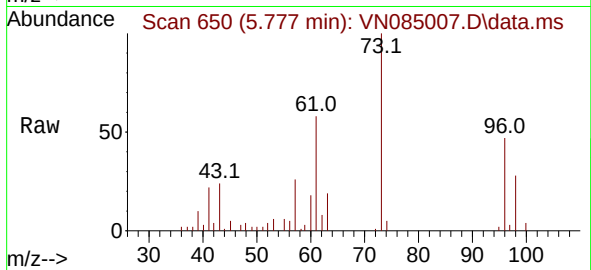




#21
trans-1,2-Dichloroethene
Concen: 20.221 ug/l
RT: 5.777 min Scan# 649
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

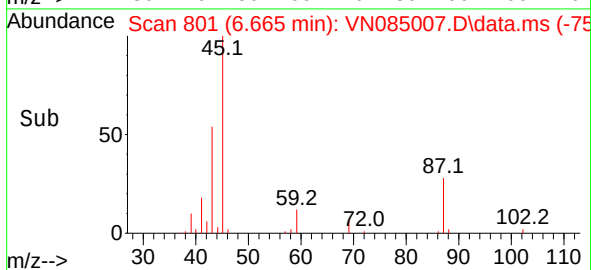
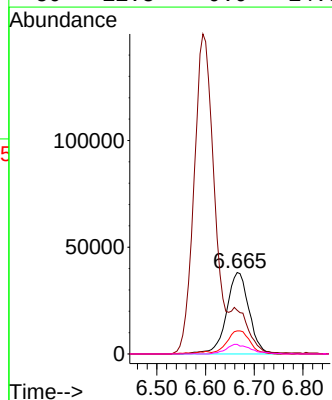
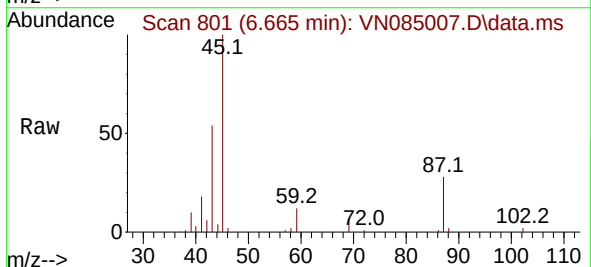
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

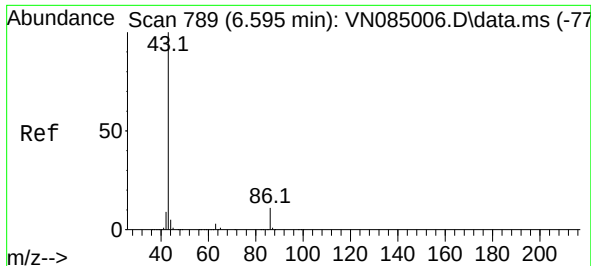
Tgt Ion: 96 Resp: 38088
Ion Ratio Lower Upper
96 100
61 124.5 100.7 151.1
98 60.0 45.8 68.6



#22
Diisopropyl ether
Concen: 20.162 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 45 Resp: 122443
Ion Ratio Lower Upper
45 100
43 52.2 42.7 64.1
87 28.2 22.6 34.0
59 11.8 9.9 14.9

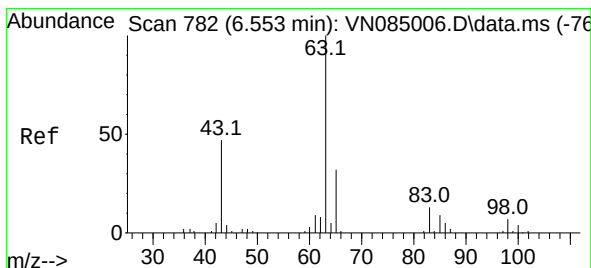
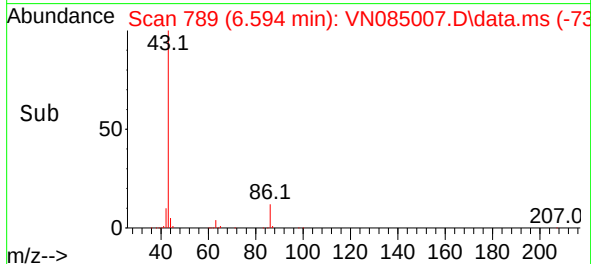
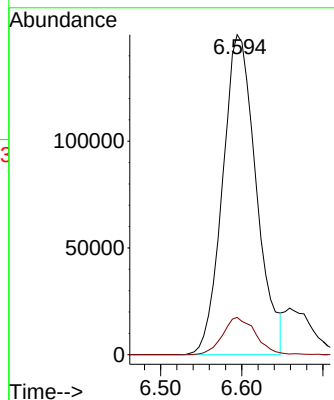
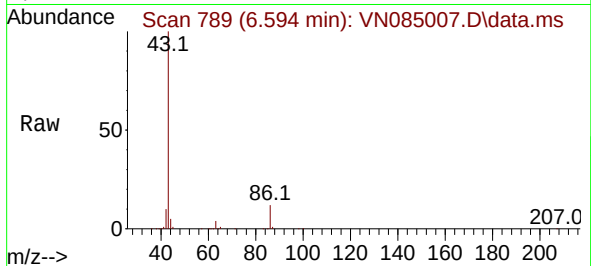




#23
 Vinyl Acetate
 Concen: 102.948 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: VN085007.D
 Acq: 22 Nov 2024 12:10

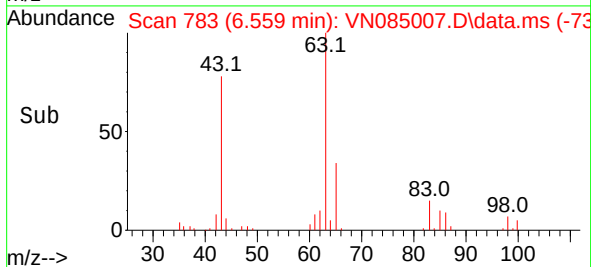
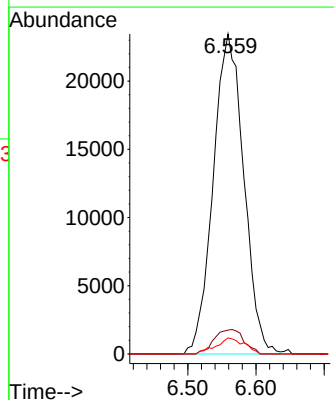
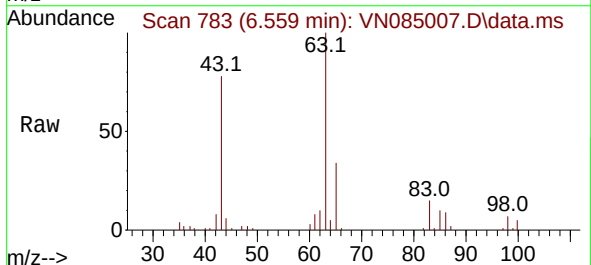
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

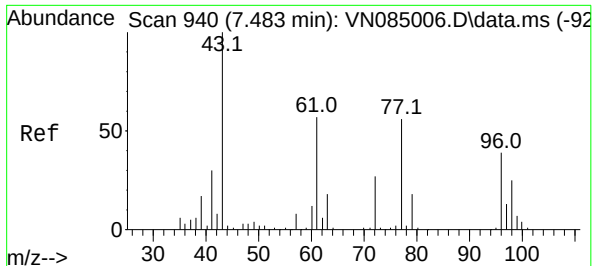
Tgt Ion: 43 Resp: 431313
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 20.116 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.006 min
 Lab File: VN085007.D
 Acq: 22 Nov 2024 12:10

Tgt Ion: 63 Resp: 73105
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 5.0 2.2 6.6





#25

2-Butanone

Concen: 100.226 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

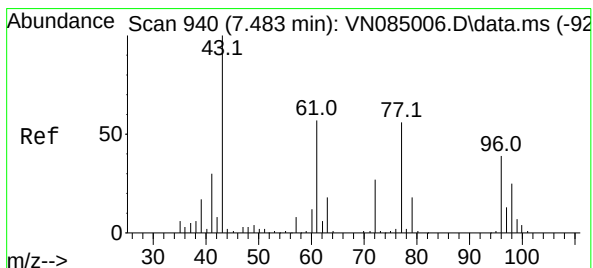
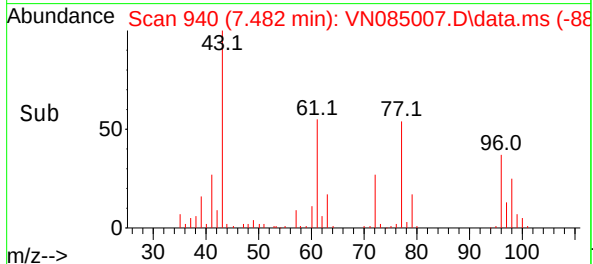
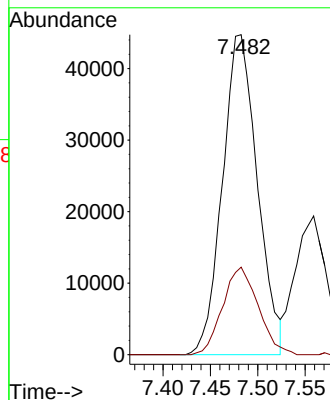
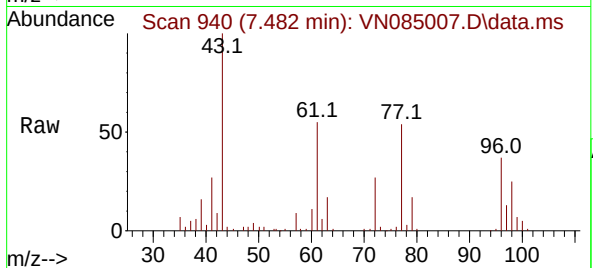
VSTDICC020

Tgt Ion: 43 Resp: 114635

Ion Ratio Lower Upper

43 100

72 27.4 21.4 32.0



#26

2,2-Dichloropropane

Concen: 19.517 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085007.D

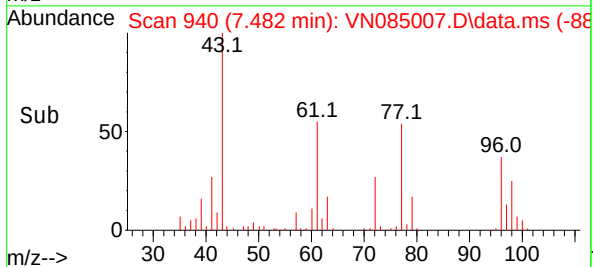
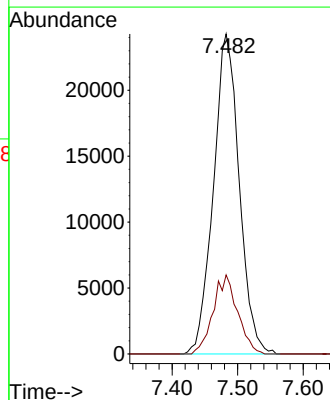
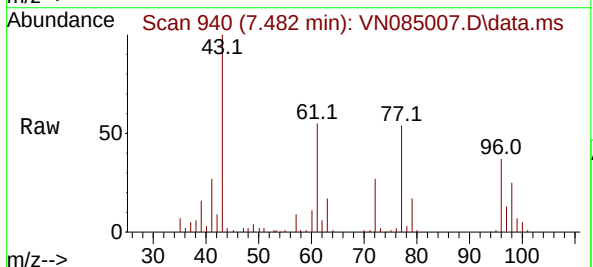
Acq: 22 Nov 2024 12:10

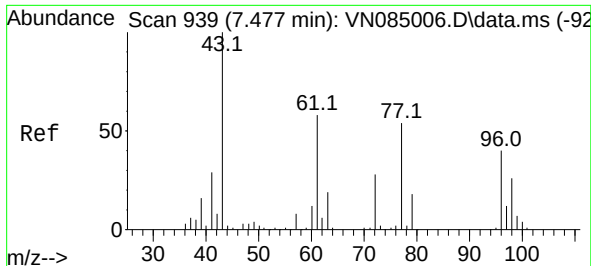
Tgt Ion: 77 Resp: 66230

Ion Ratio Lower Upper

77 100

97 23.4 10.9 32.7

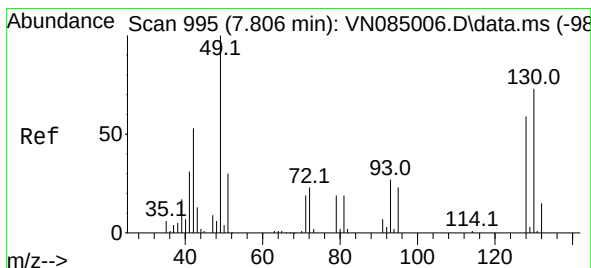
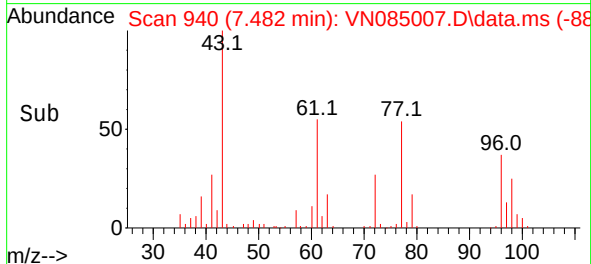
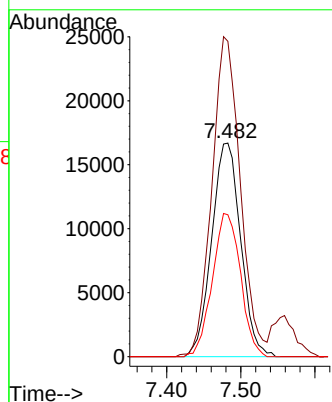
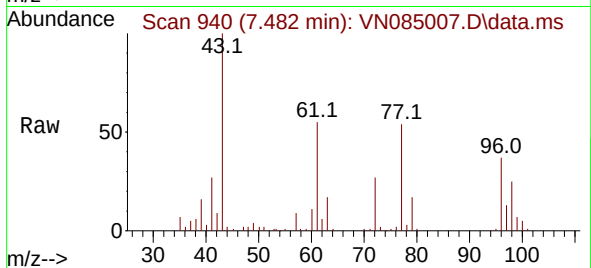




#27
 cis-1,2-Dichloroethene
 Concen: 19.953 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085007.D
 Acq: 22 Nov 2024 12:10

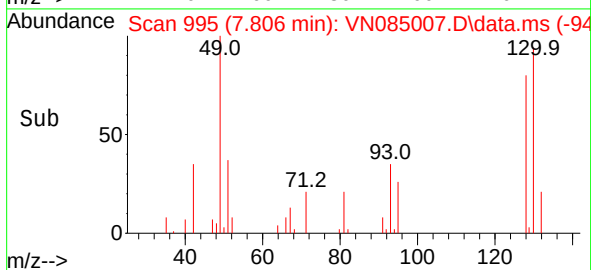
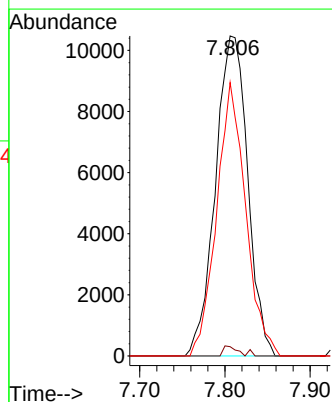
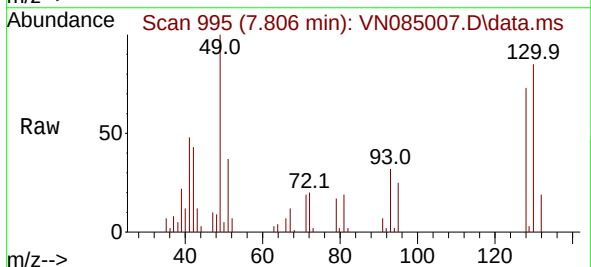
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

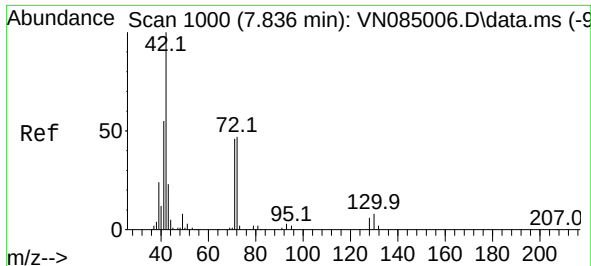
Tgt Ion: 96 Resp: 45307
 Ion Ratio Lower Upper
 96 100
 61 147.1 0.0 291.6
 98 65.1 0.0 129.8



#28
 Bromochloromethane
 Concen: 20.092 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085007.D
 Acq: 22 Nov 2024 12:10

Tgt Ion: 49 Resp: 27564
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 4.0
 130 77.0 60.6 90.8





#29

Tetrahydrofuran

Concen: 100.618 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

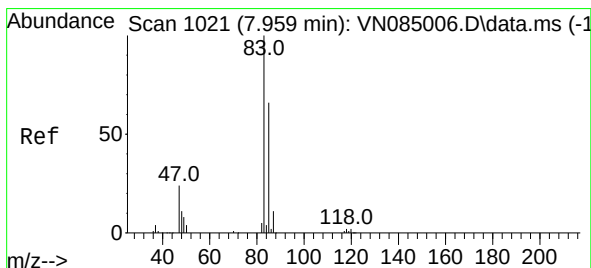
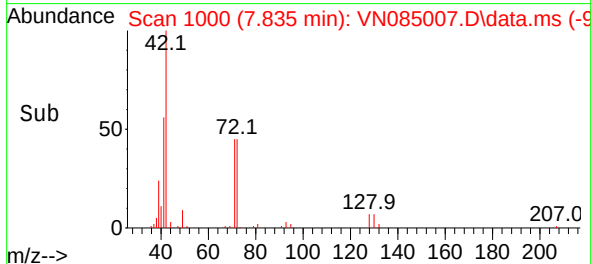
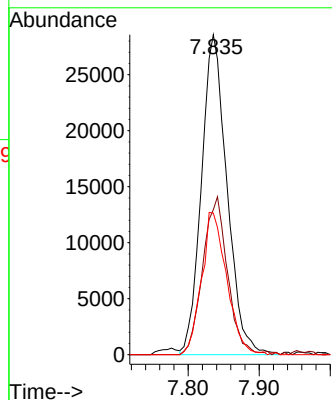
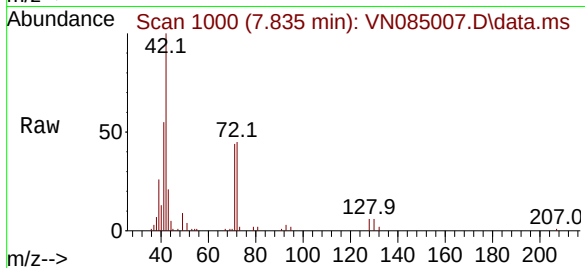
Tgt Ion: 42 Resp: 71566

Ion Ratio Lower Upper

42 100

72 47.8 37.0 55.4

71 43.8 35.0 52.4



#30

Chloroform

Concen: 19.270 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.006 min

Lab File: VN085007.D

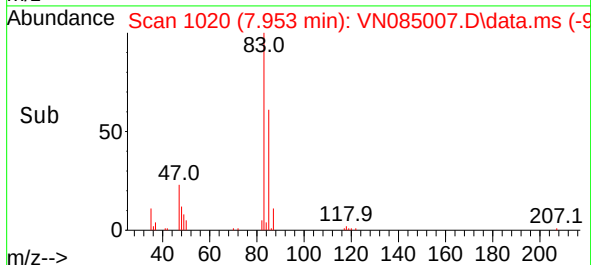
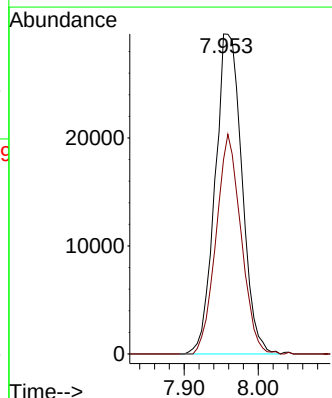
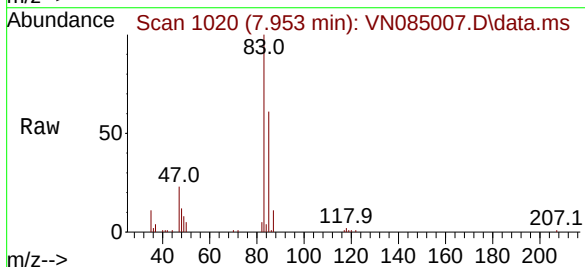
Acq: 22 Nov 2024 12:10

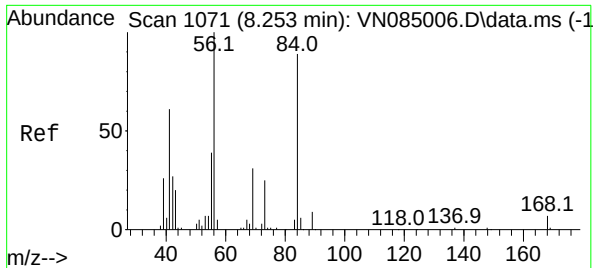
Tgt Ion: 83 Resp: 74495

Ion Ratio Lower Upper

83 100

85 60.8 52.6 78.8





#31

Cyclohexane

Concen: 19.852 ug/l

RT: 8.247 min Scan# 1070

Delta R.T. -0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

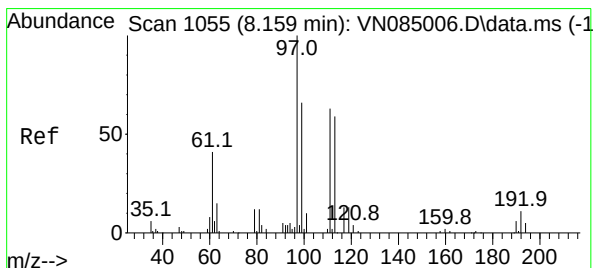
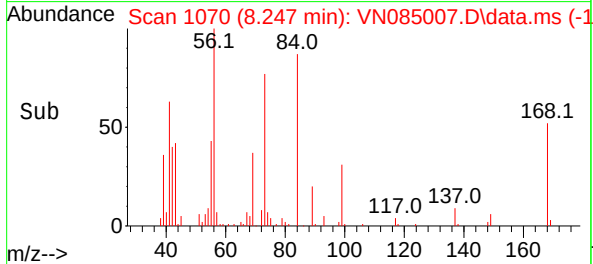
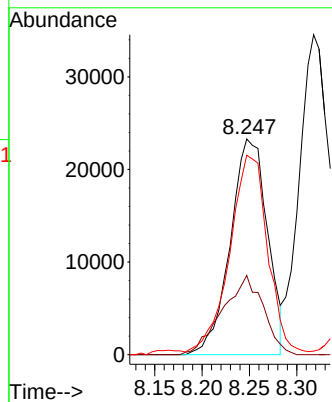
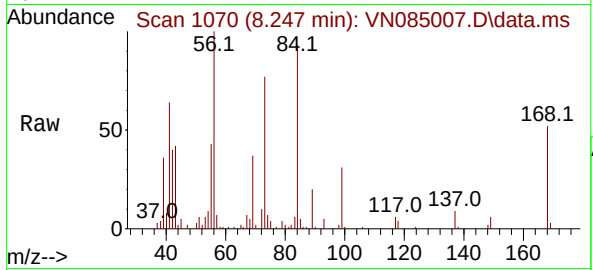
Tgt Ion: 56 Resp: 63521

Ion Ratio Lower Upper

56 100

69 36.7 24.6 36.8

84 90.7 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 19.725 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

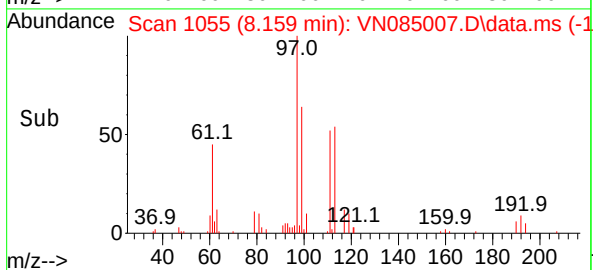
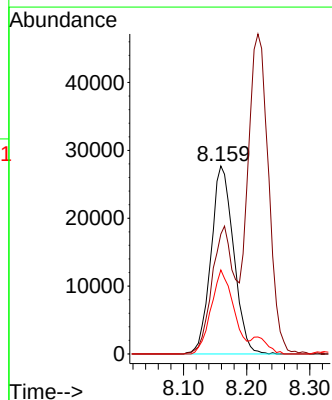
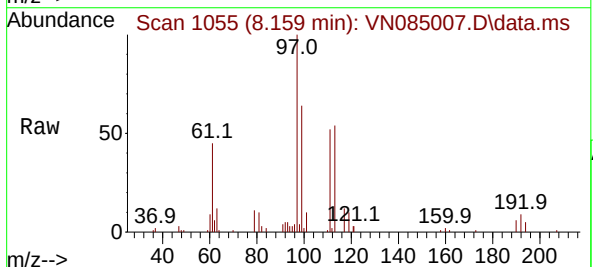
Tgt Ion: 97 Resp: 68908

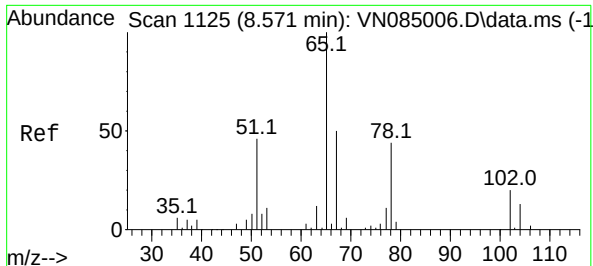
Ion Ratio Lower Upper

97 100

99 67.5 51.0 76.4

61 44.3 36.2 54.2

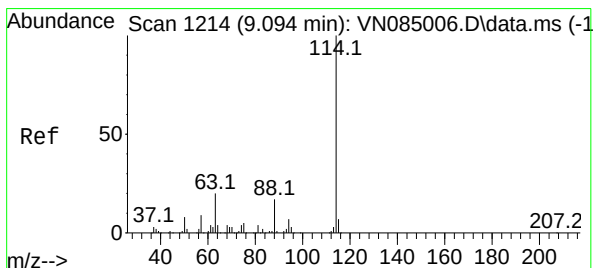
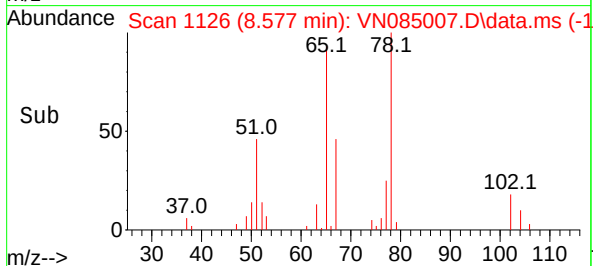
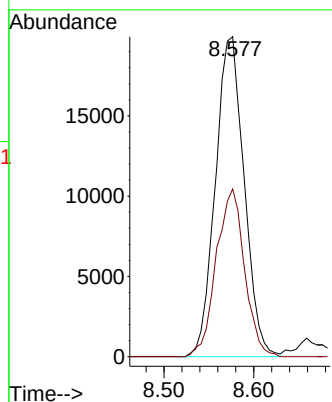
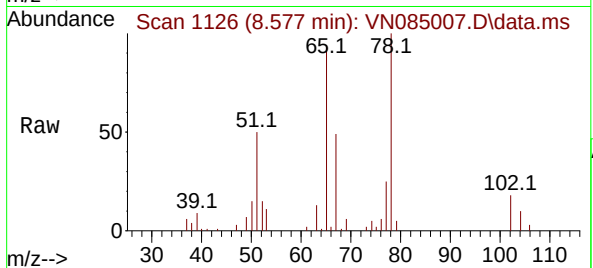




#33
1,2-Dichloroethane-d4
Concen: 18.483 ug/l
RT: 8.577 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

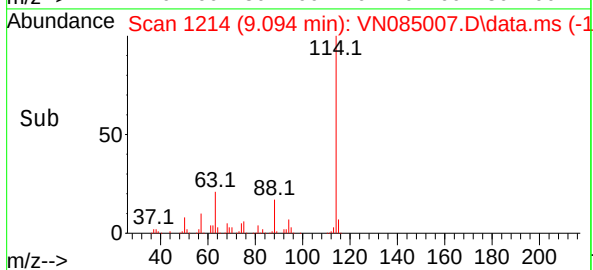
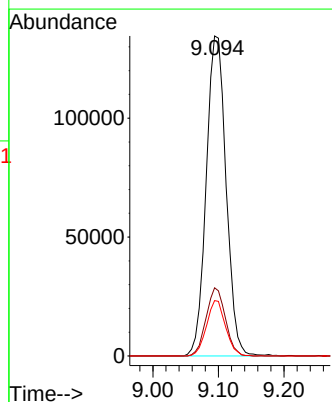
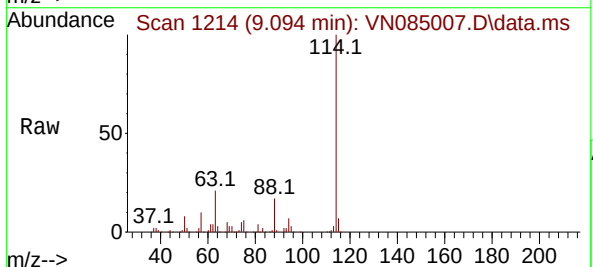
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

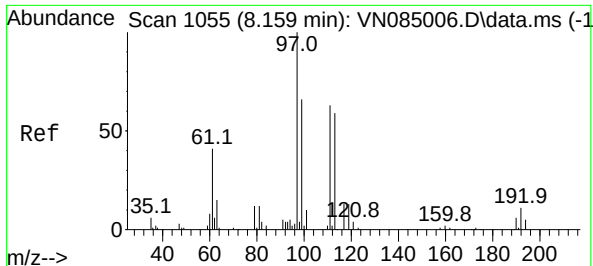
Tgt Ion: 65 Resp: 44399
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 114 Resp: 283685
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.0
88 17.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 18.466 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

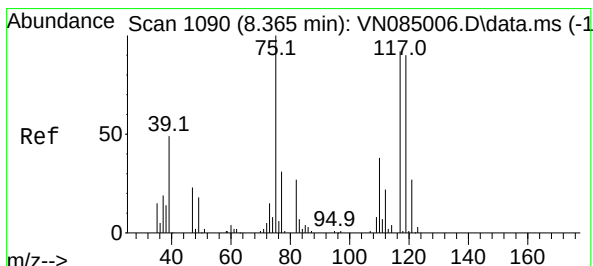
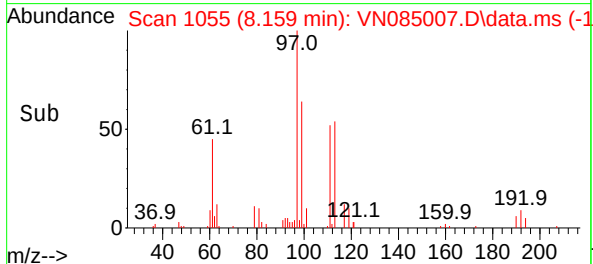
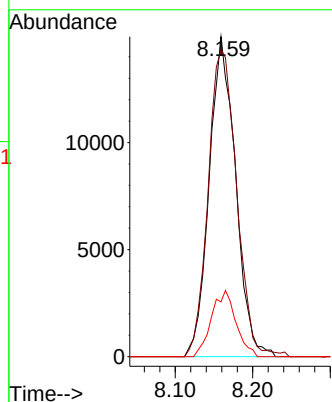
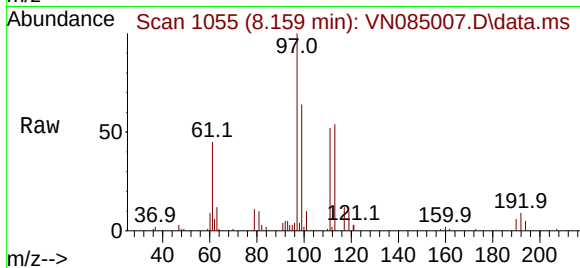
Tgt Ion:113 Resp: 35327

Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 19.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 19.888 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

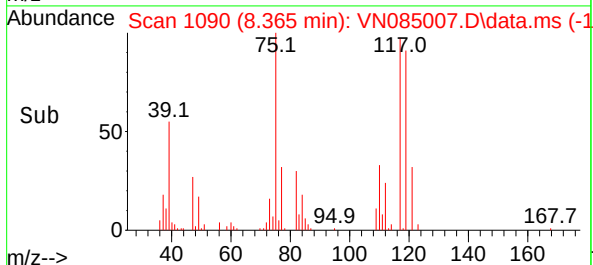
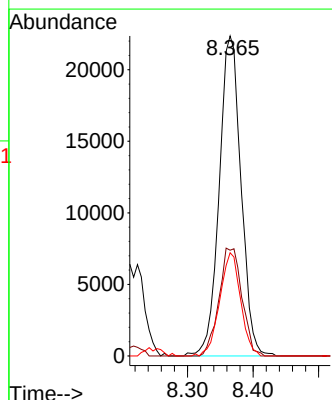
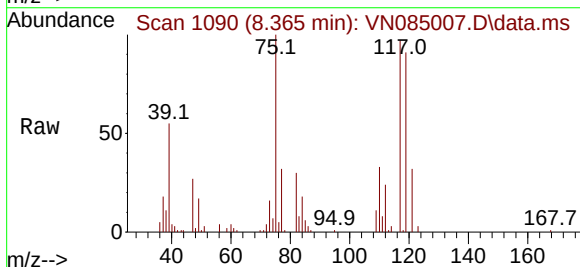
Tgt Ion: 75 Resp: 51535

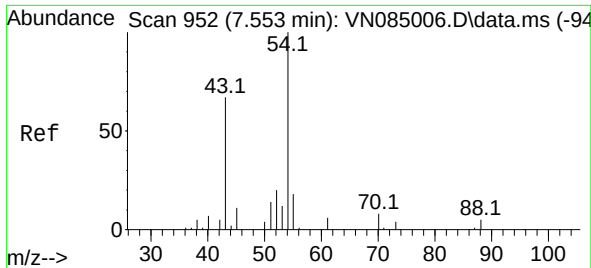
Ion Ratio Lower Upper

75 100

110 35.6 17.2 51.6

77 30.9 24.2 36.4

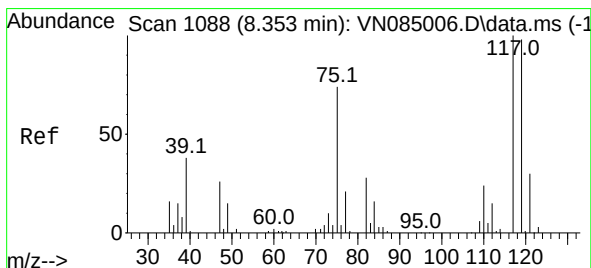
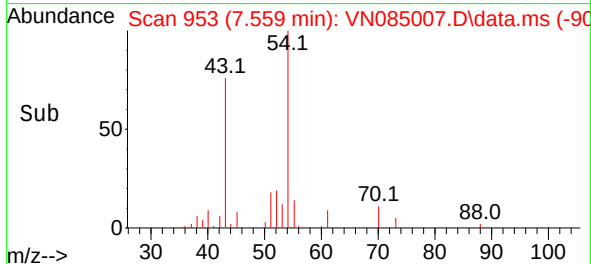
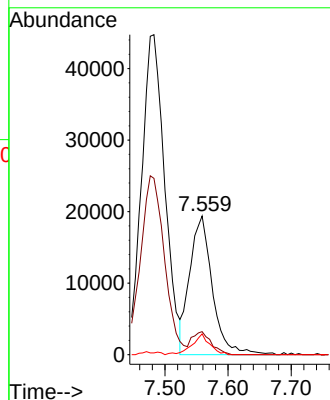
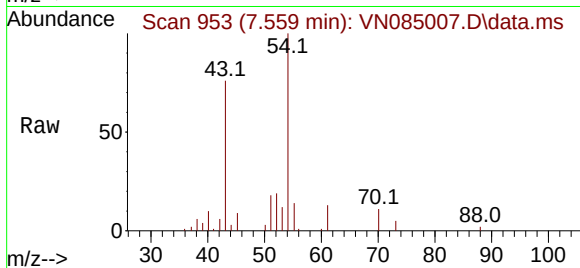




#37
Ethyl Acetate
Concen: 20.561 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

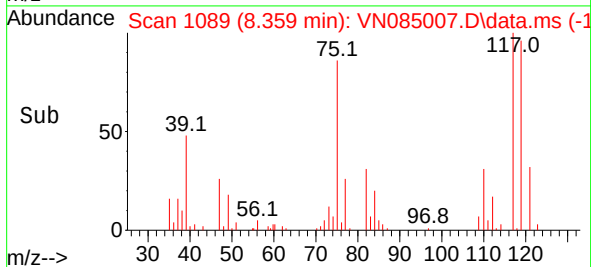
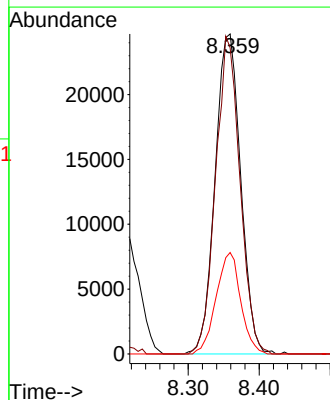
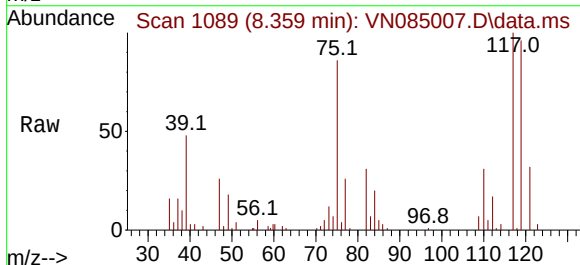
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

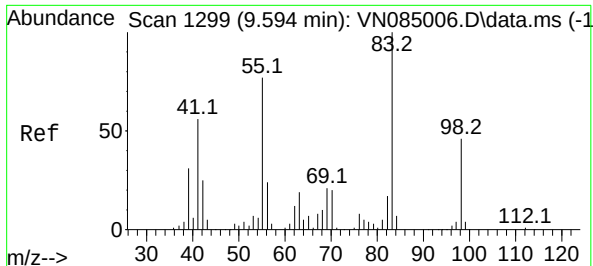
Tgt Ion: 43 Resp: 48436
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 11.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 20.593 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 117 Resp: 61594
Ion Ratio Lower Upper
117 100
119 95.7 78.6 117.8
121 31.7 24.2 36.2





#39

Methylcyclohexane

Concen: 20.464 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

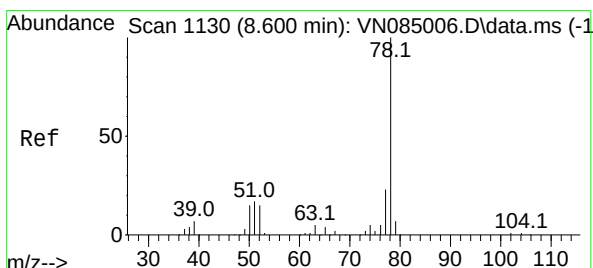
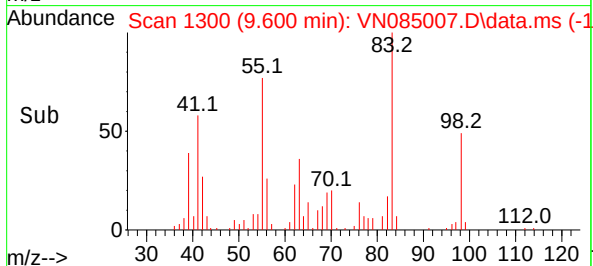
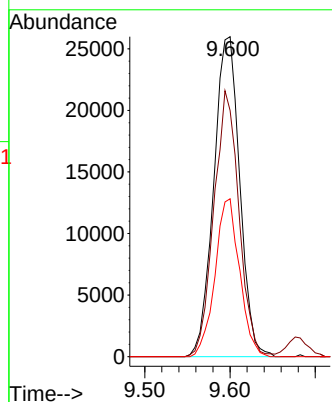
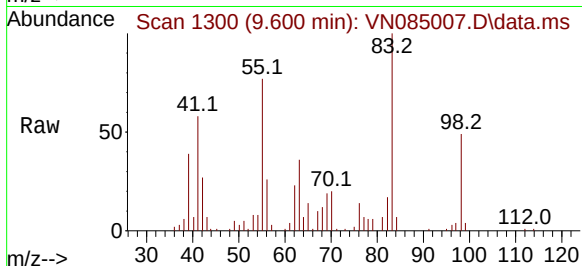
Tgt Ion: 83 Resp: 55102

Ion Ratio Lower Upper

83 100

55 76.9 61.8 92.6

98 49.4 37.0 55.6



#40

Benzene

Concen: 19.977 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085007.D

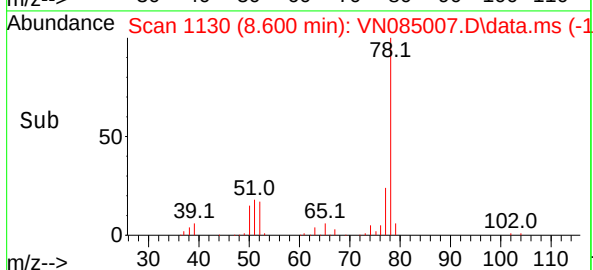
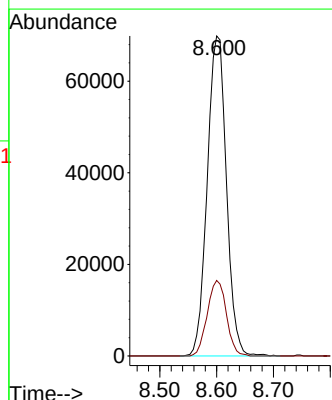
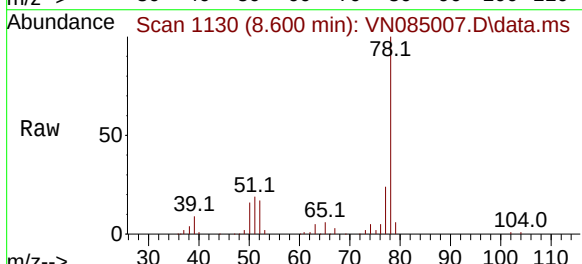
Acq: 22 Nov 2024 12:10

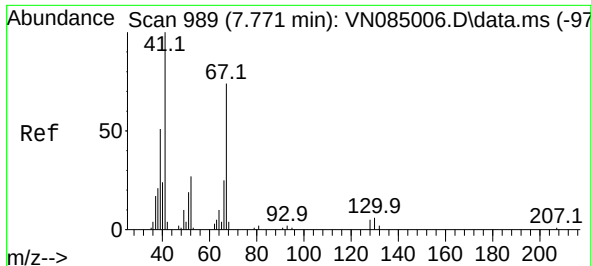
Tgt Ion: 78 Resp: 163727

Ion Ratio Lower Upper

78 100

77 23.6 18.5 27.7

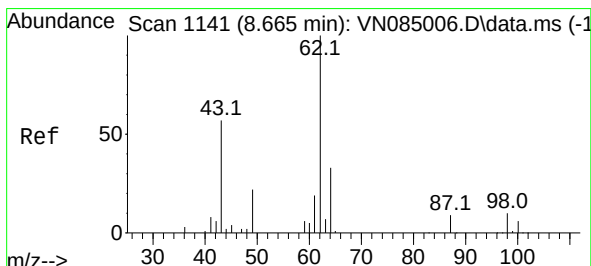
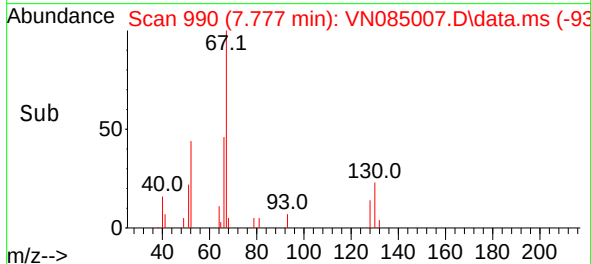
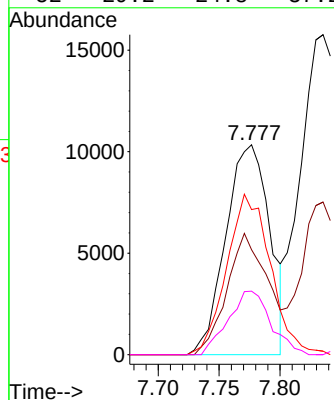
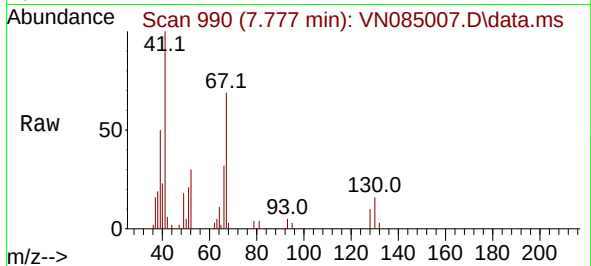




#41
Methacrylonitrile
Concen: 19.942 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

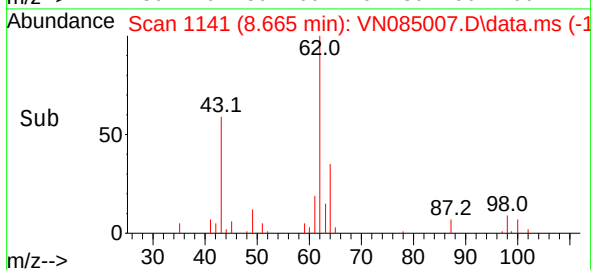
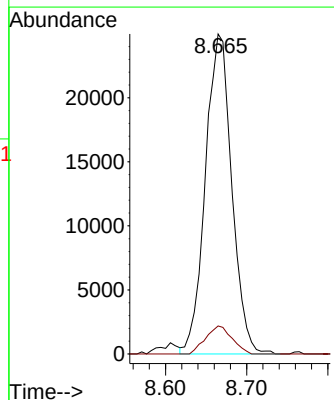
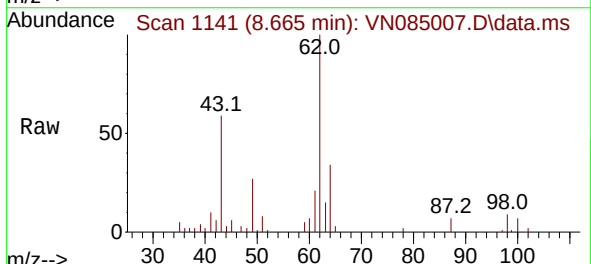
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

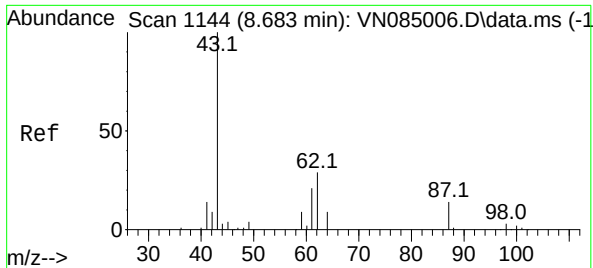
Tgt Ion:	41	Resp:	26011
Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.6	63.8
67	75.9	59.9	89.9
52	29.2	24.8	37.2



#42
1,2-Dichloroethane
Concen: 20.106 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:	62	Resp:	56374
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2

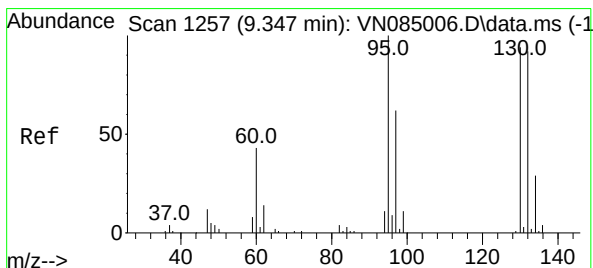
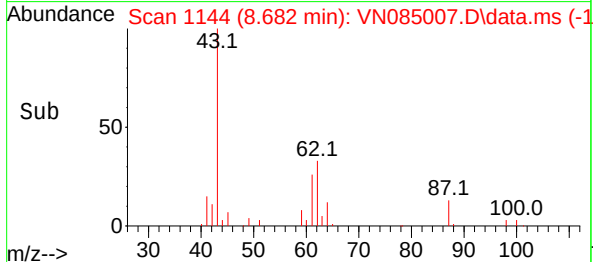
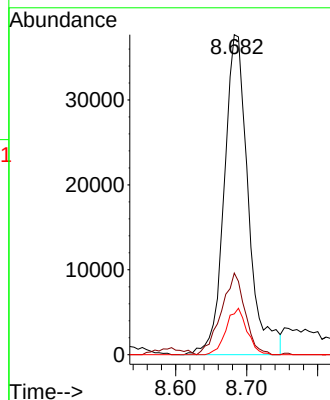
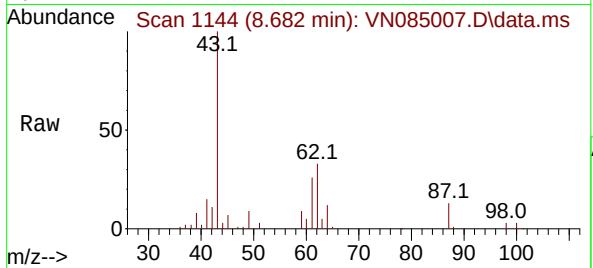




#43
Isopropyl Acetate
Concen: 18.116 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

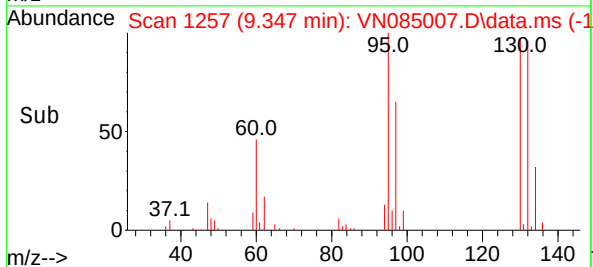
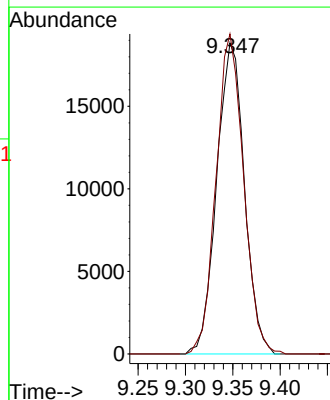
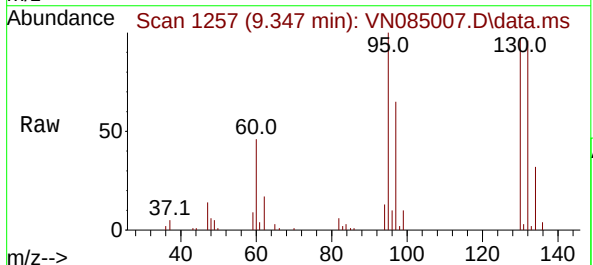
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

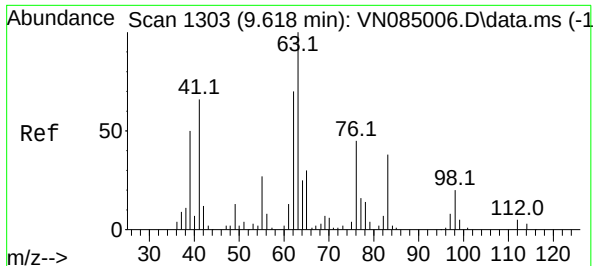
Tgt Ion: 43 Resp: 88647
Ion Ratio Lower Upper
43 100
61 25.1 20.6 30.8
87 12.6 11.0 16.4



#44
Trichloroethene
Concen: 20.127 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:130 Resp: 38334
Ion Ratio Lower Upper
130 100
95 102.9 0.0 213.4

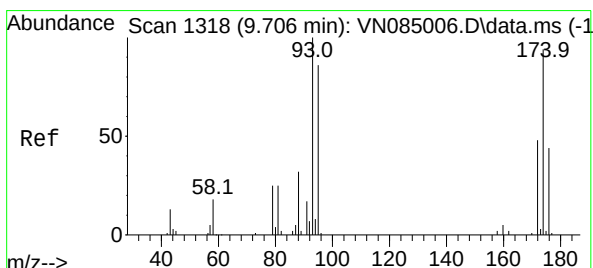
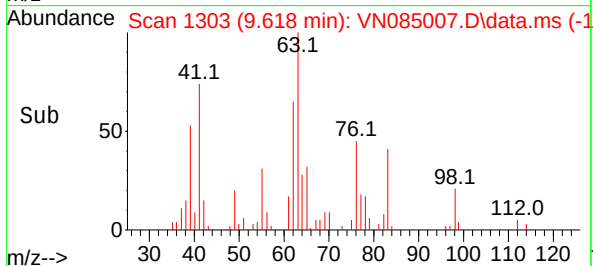
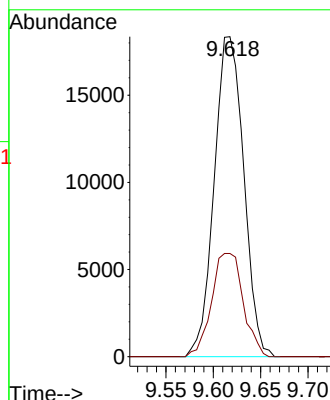
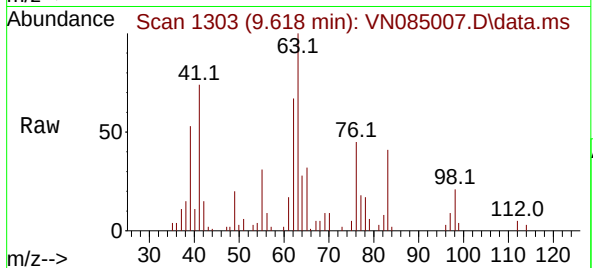




#45
1,2-Dichloropropane
Concen: 19.742 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

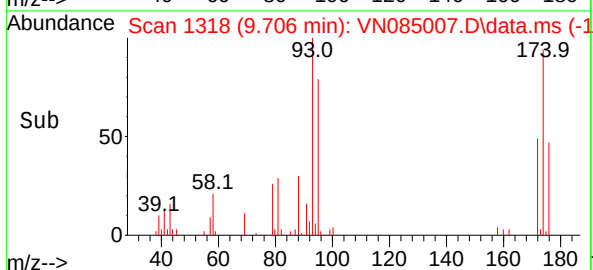
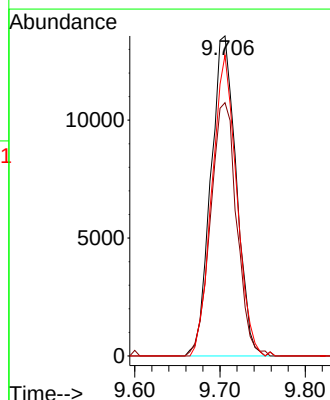
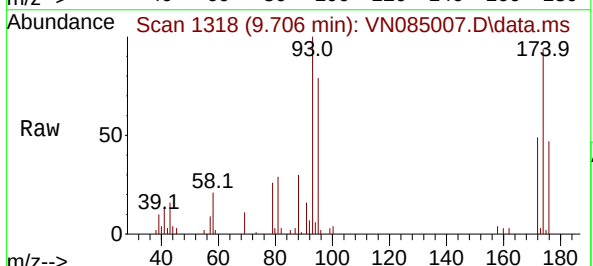
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

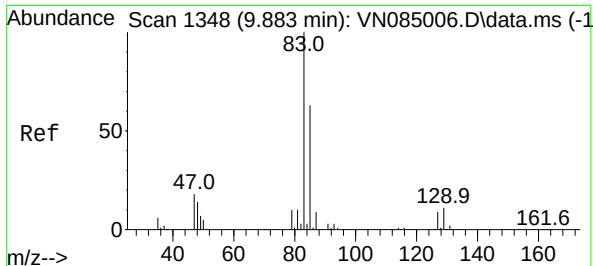
Tgt Ion: 63 Resp: 39852
Ion Ratio Lower Upper
63 100
65 32.2 24.0 36.0



#46
Dibromomethane
Concen: 20.062 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 93 Resp: 28140
Ion Ratio Lower Upper
93 100
95 81.2 66.2 99.4
174 91.4 74.9 112.3

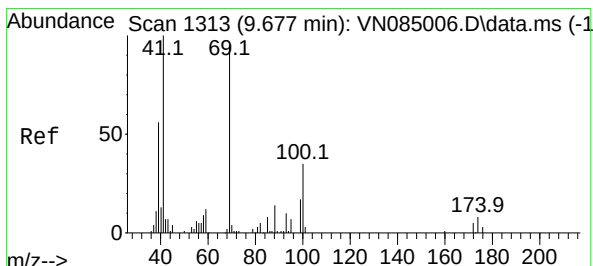
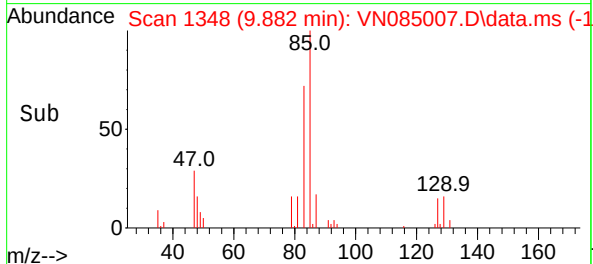
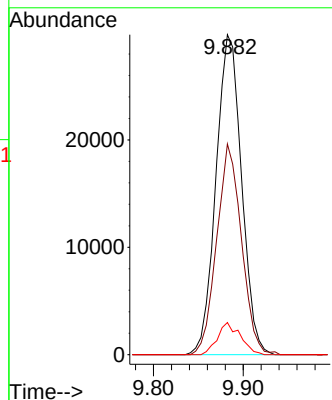
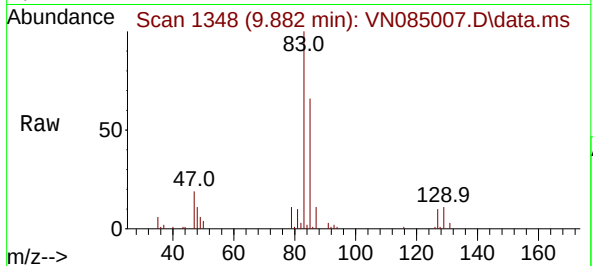




#47
Bromodichloromethane
Concen: 19.849 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

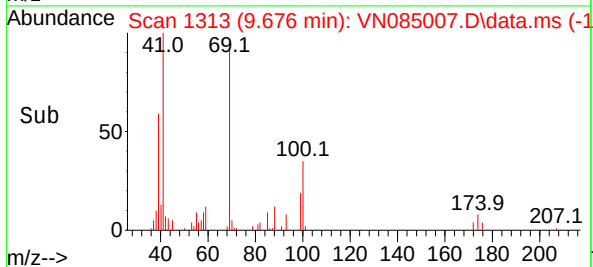
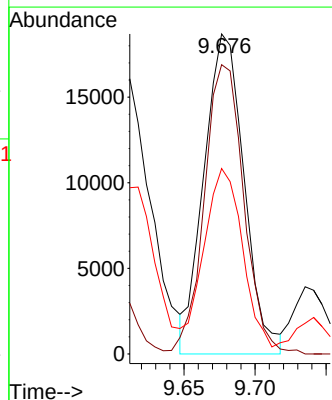
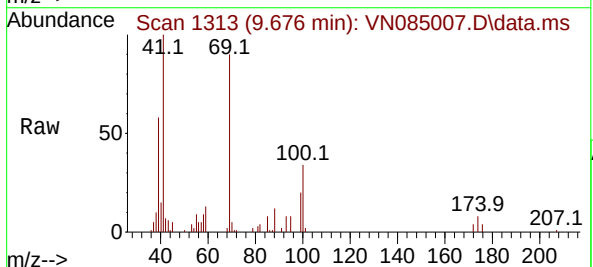
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

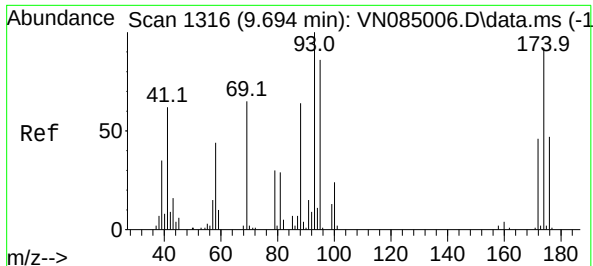
Tgt Ion: 83 Resp: 59008
Ion Ratio Lower Upper
83 100
85 65.9 50.5 75.7
127 10.0 7.1 10.7



#48
Methyl methacrylate
Concen: 20.148 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 41 Resp: 36687
Ion Ratio Lower Upper
41 100
69 89.2 73.2 109.8
39 56.9 46.2 69.4





#49

1,4-Dioxane

Concen: 410.958 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

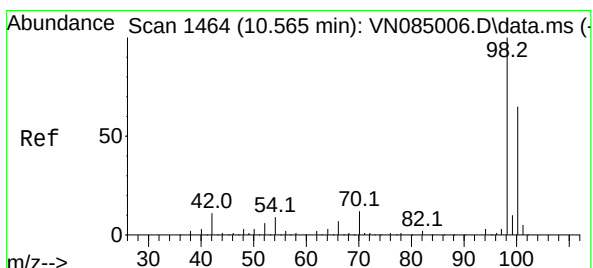
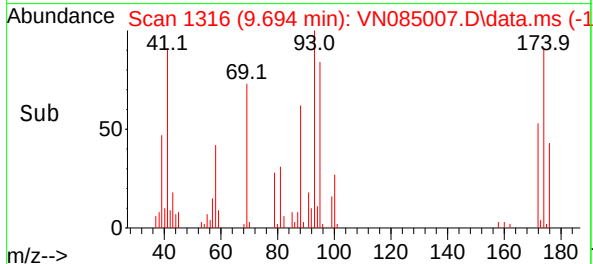
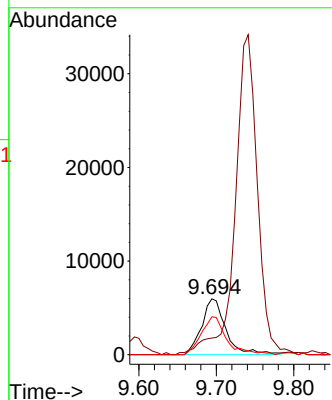
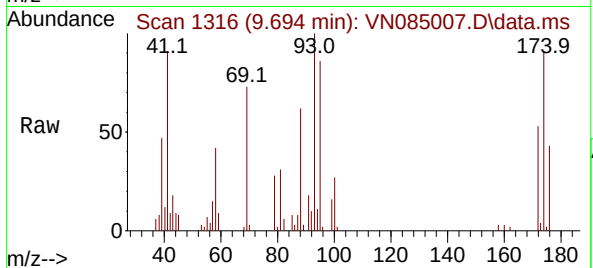
Tgt Ion: 88 Resp: 12977

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 70.3 56.5 84.7



#50

Toluene-d8

Concen: 19.066 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085007.D

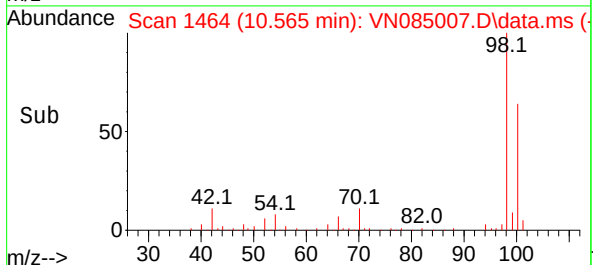
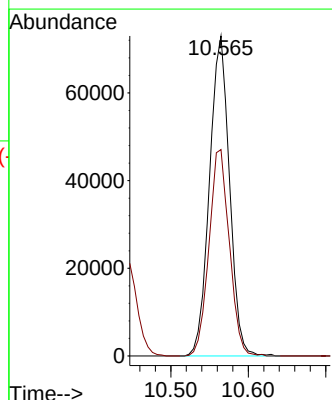
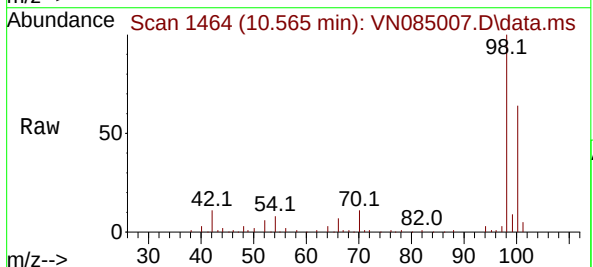
Acq: 22 Nov 2024 12:10

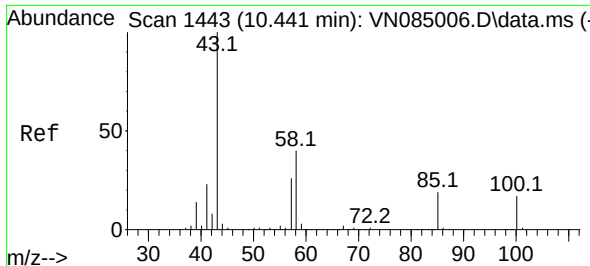
Tgt Ion: 98 Resp: 130719

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 103.015 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

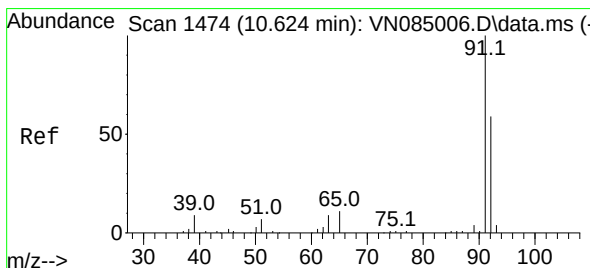
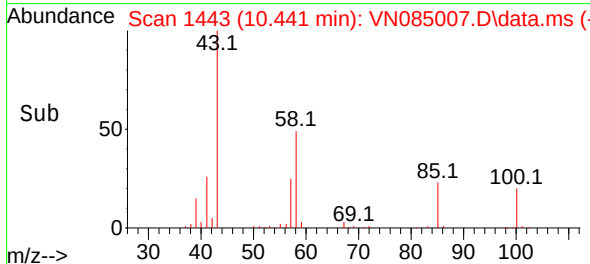
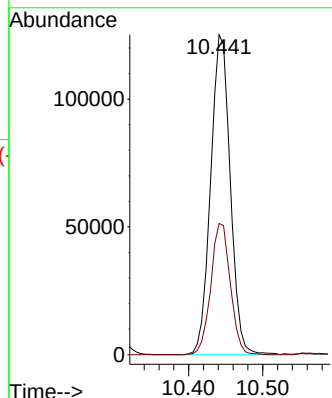
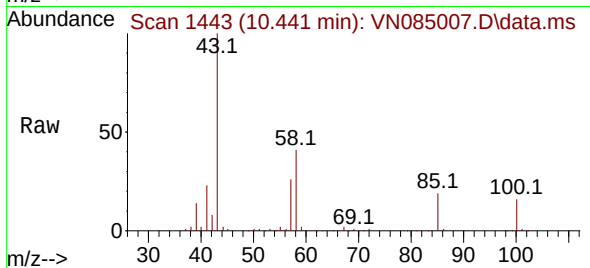
VSTDIC020

Tgt Ion: 43 Resp: 230239

Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1



#52

Toluene

Concen: 20.615 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085007.D

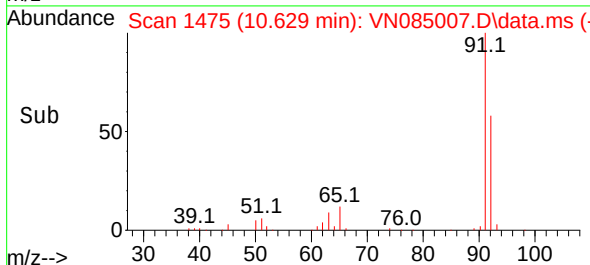
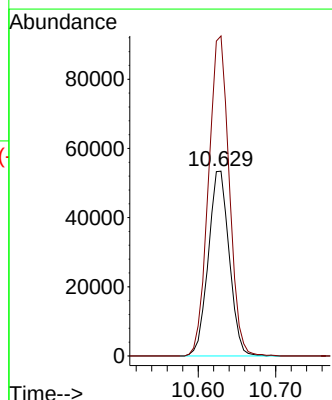
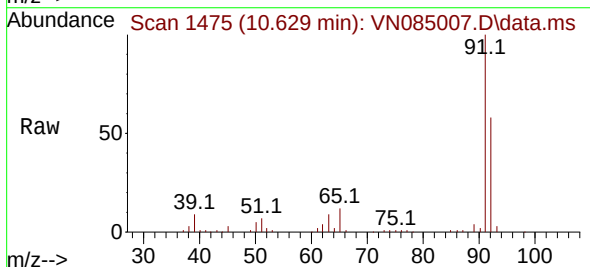
Acq: 22 Nov 2024 12:10

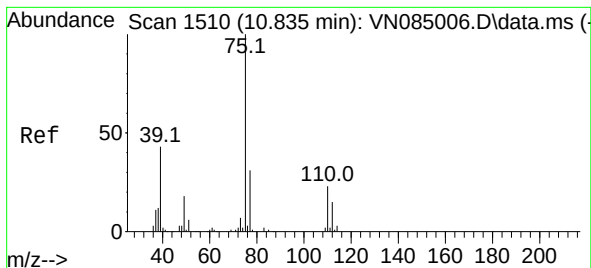
Tgt Ion: 92 Resp: 100021

Ion Ratio Lower Upper

92 100

91 171.9 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 20.539 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

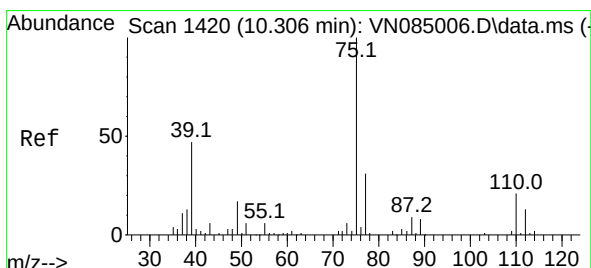
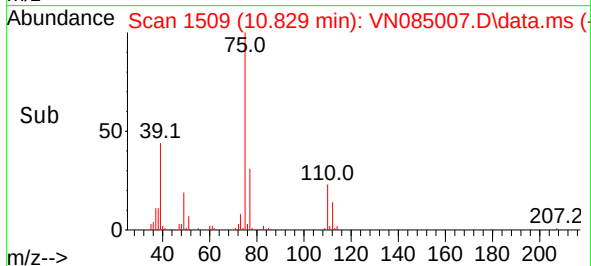
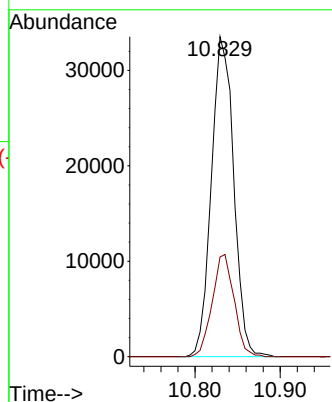
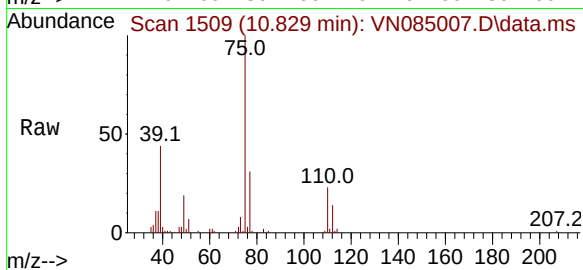
VSTDICC020

Tgt Ion: 75 Resp: 61215

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.501 ug/l

RT: 10.306 min Scan# 1420

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

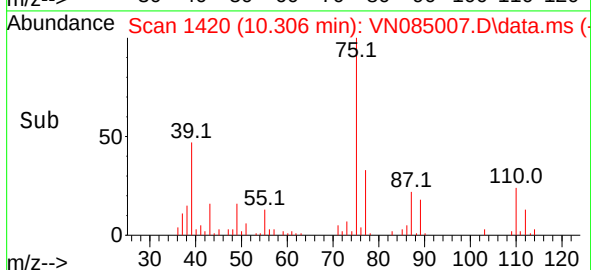
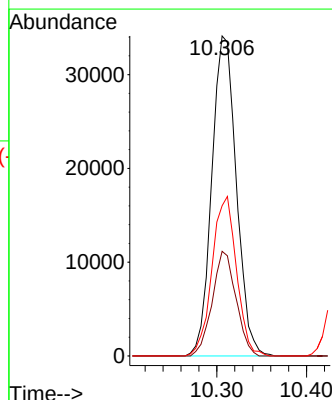
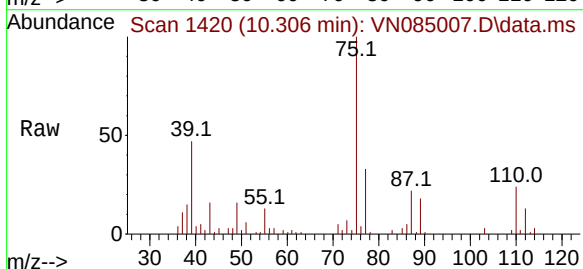
Tgt Ion: 75 Resp: 64823

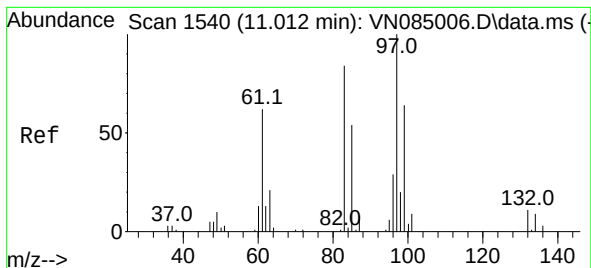
Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

39 47.0 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 20.326 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 36732

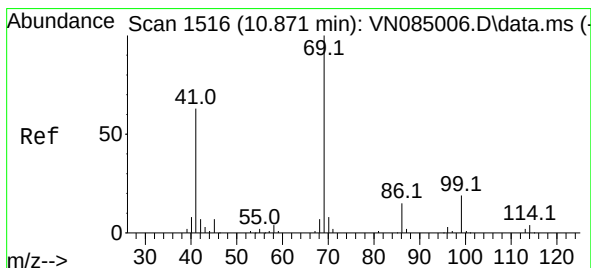
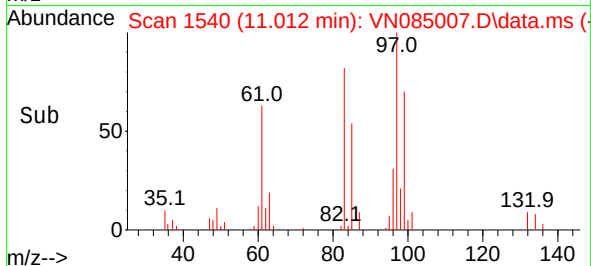
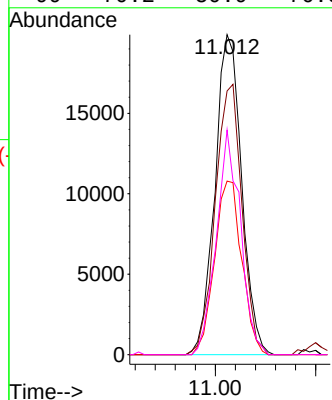
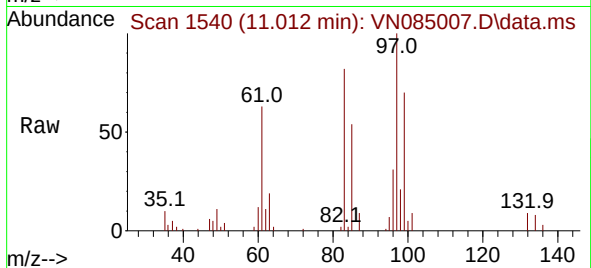
Ion Ratio Lower Upper

97 100

83 82.4 67.4 101.2

85 54.3 43.1 64.7

99 70.2 50.9 76.3



#56

Ethyl methacrylate

Concen: 21.089 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

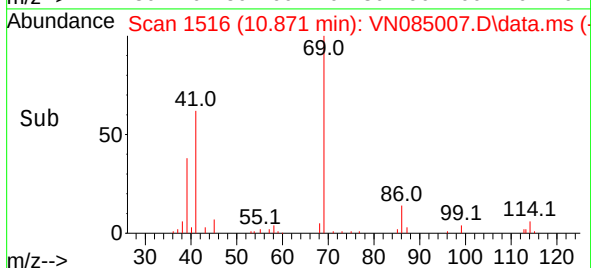
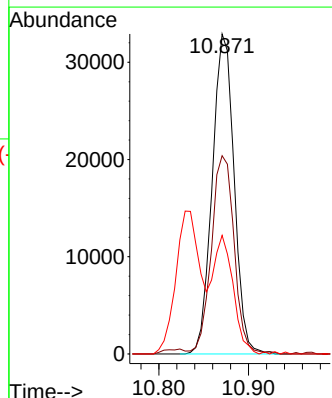
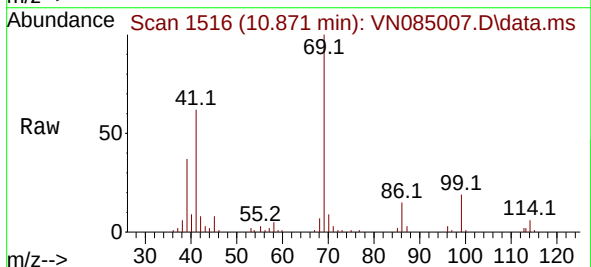
Tgt Ion: 69 Resp: 55691

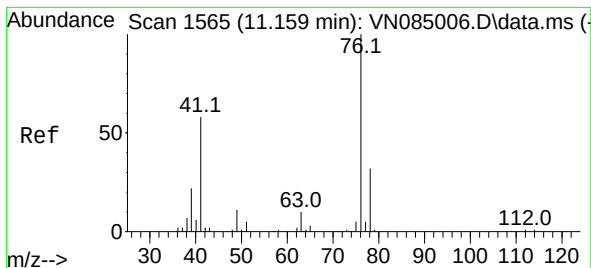
Ion Ratio Lower Upper

69 100

41 64.8 50.0 75.0

39 34.2 27.0 40.6





#57

1,3-Dichloropropane

Concen: 19.906 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

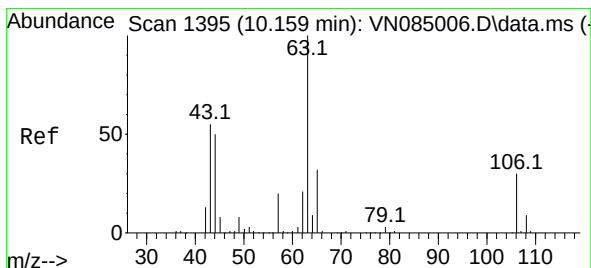
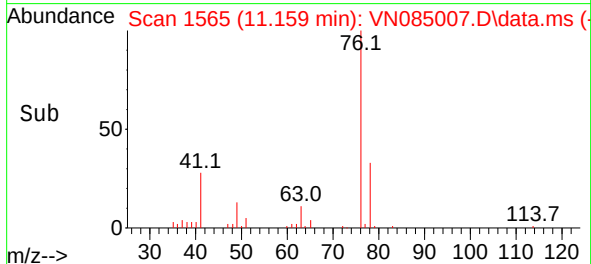
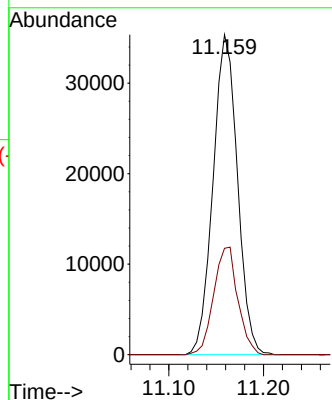
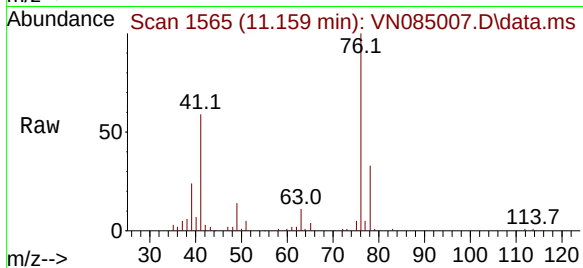
VSTDIC020

Tgt Ion: 76 Resp: 63314

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 106.227 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085007.D

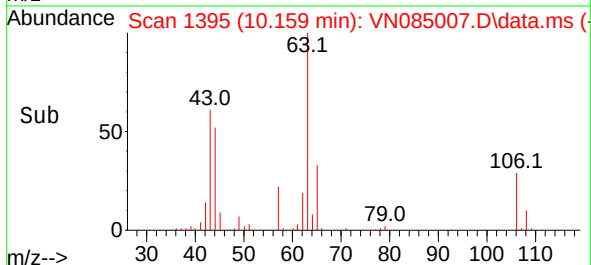
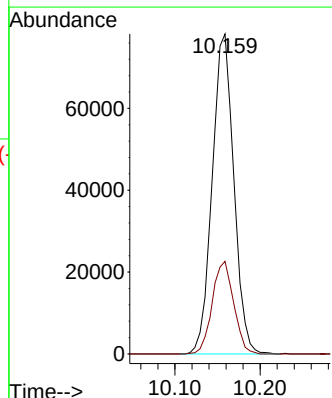
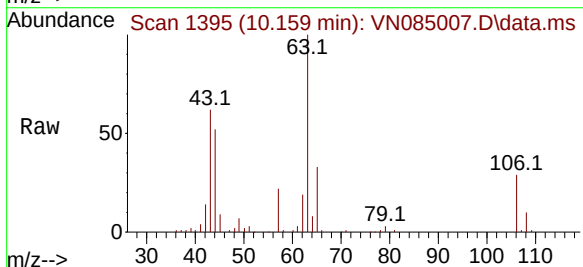
Acq: 22 Nov 2024 12:10

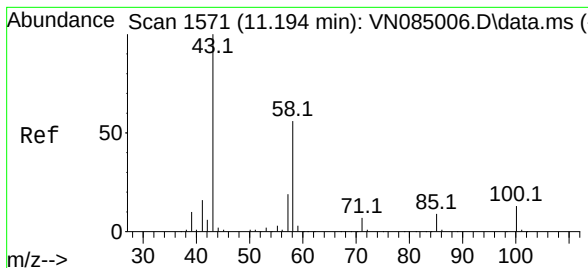
Tgt Ion: 63 Resp: 137602

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6

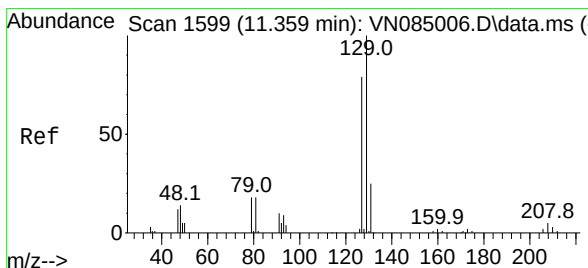
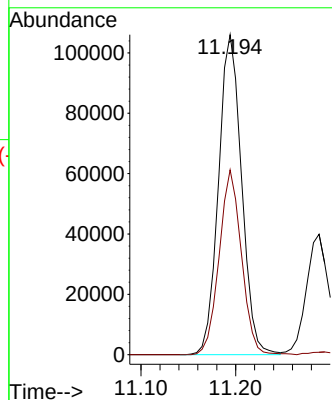
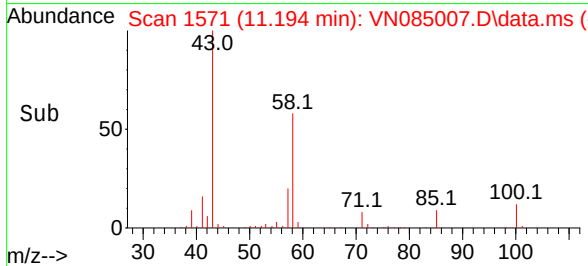
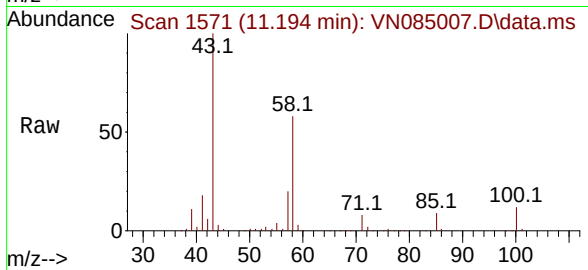




#59
2-Hexanone
Concen: 107.514 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

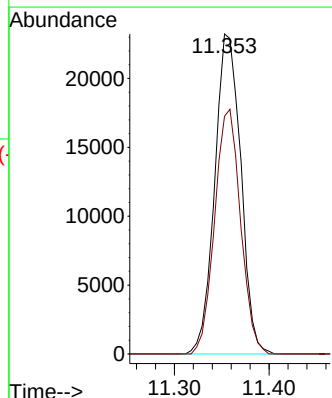
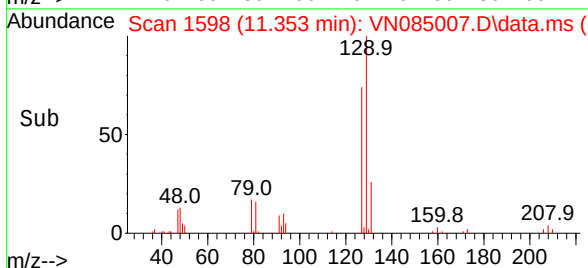
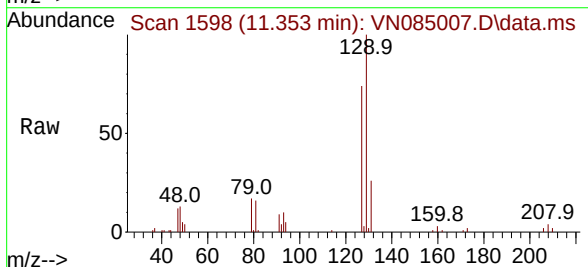
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

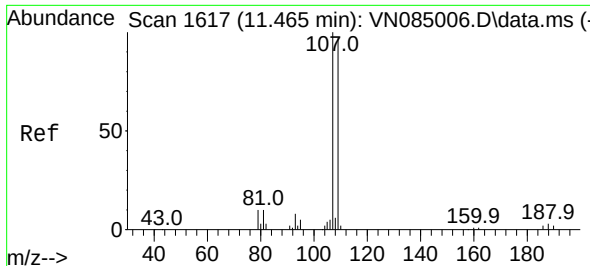
Tgt Ion: 43 Resp: 179717
Ion Ratio Lower Upper
43 100
58 55.7 28.3 85.0



#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:129 Resp: 44450
Ion Ratio Lower Upper
129 100
127 75.9 39.2 117.6

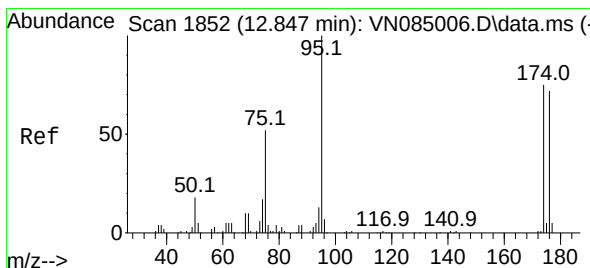
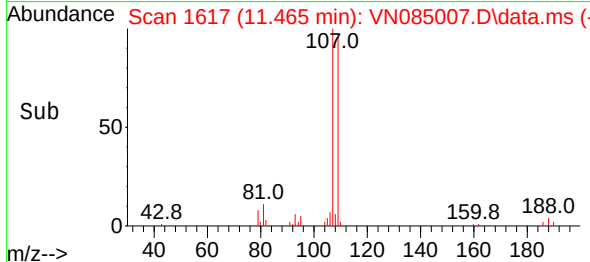
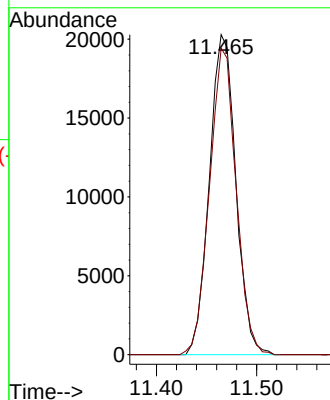
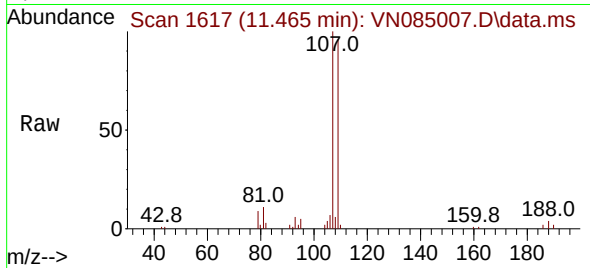




#61
1,2-Dibromoethane
Concen: 19.905 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

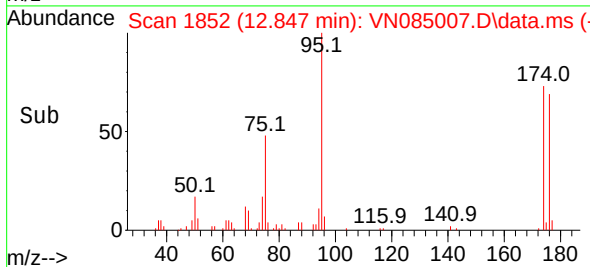
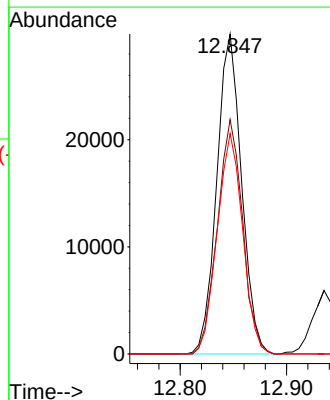
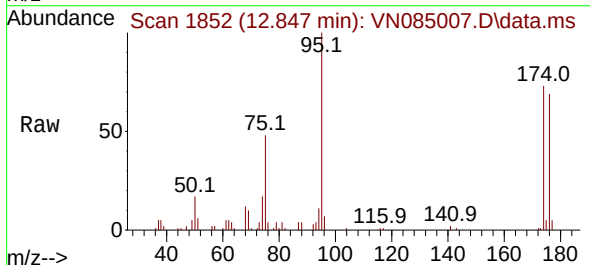
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

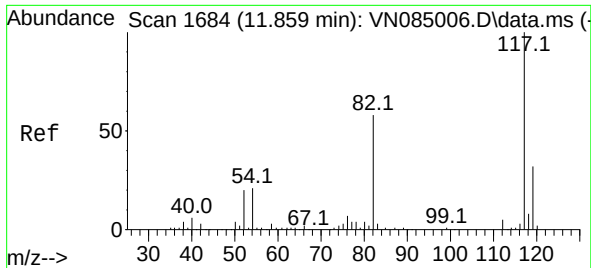
Tgt Ion:107 Resp: 37228
Ion Ratio Lower Upper
107 100
109 96.2 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 18.797 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 95 Resp: 48193
Ion Ratio Lower Upper
95 100
174 74.7 0.0 146.6
176 70.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

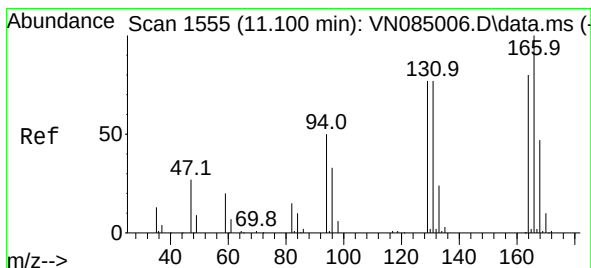
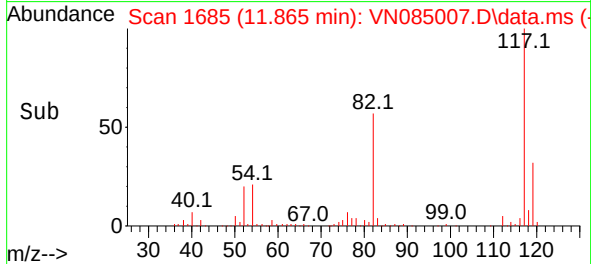
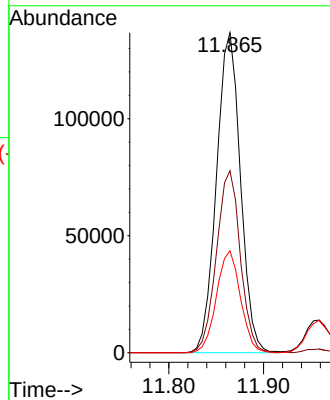
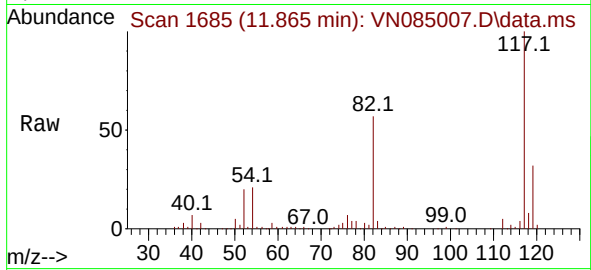
Tgt Ion:117 Resp: 240895

Ion Ratio Lower Upper

117 100

82 56.9 46.0 69.0

119 31.8 25.6 38.4



#64

Tetrachloroethene

Concen: 20.155 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion:164 Resp: 32716

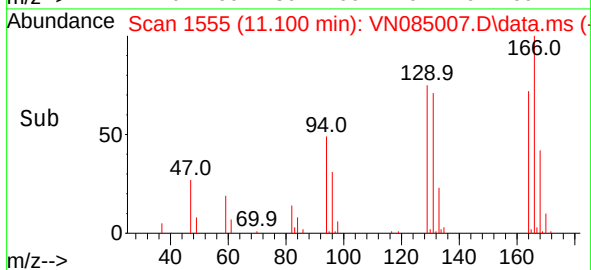
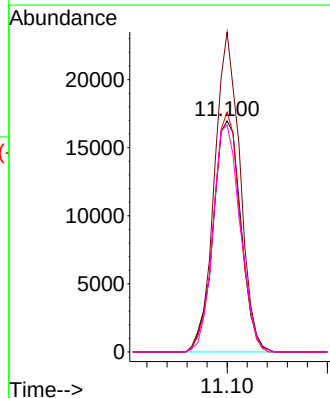
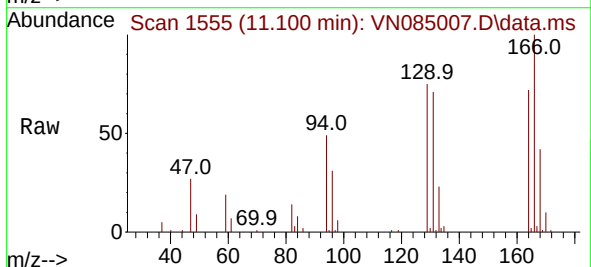
Ion Ratio Lower Upper

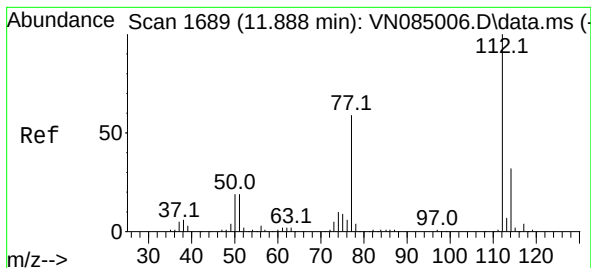
164 100

166 138.5 100.6 151.0

129 103.9 77.7 116.5

131 98.2 77.2 115.8





#65

Chlorobenzene

Concen: 19.815 ug/l

RT: 11.888 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

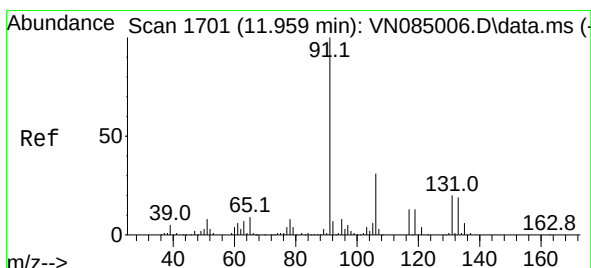
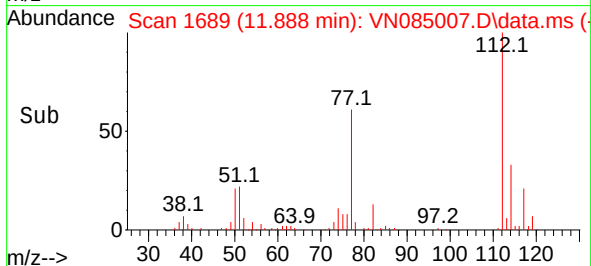
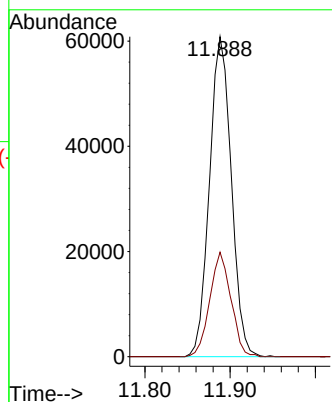
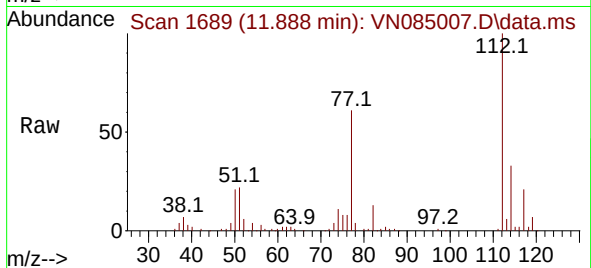
VSTDIC020

Tgt Ion:112 Resp: 108255

Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.446 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

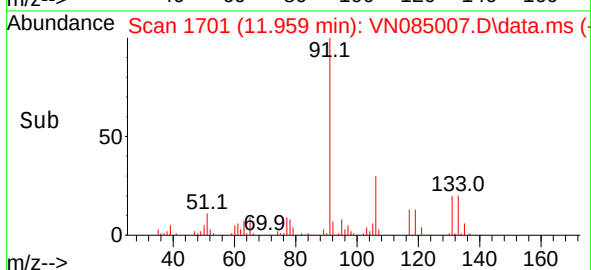
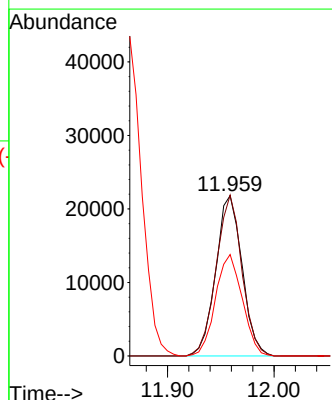
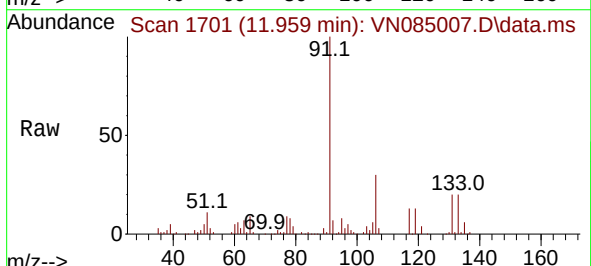
Tgt Ion:131 Resp: 37404

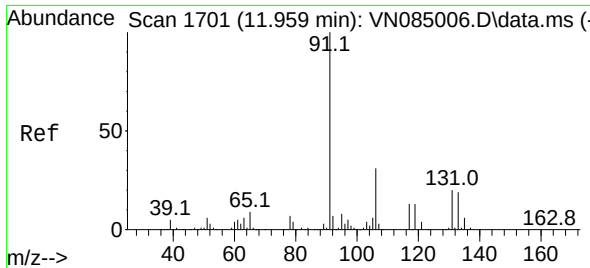
Ion Ratio Lower Upper

131 100

133 98.4 47.8 143.4

119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 20.440 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

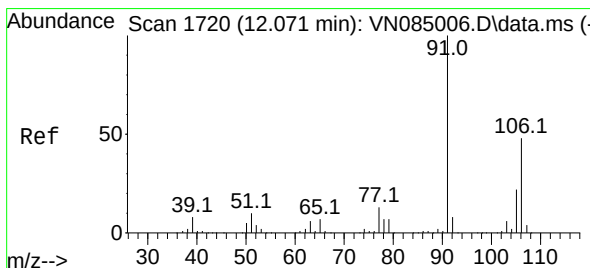
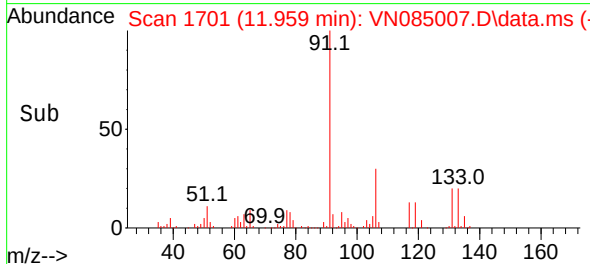
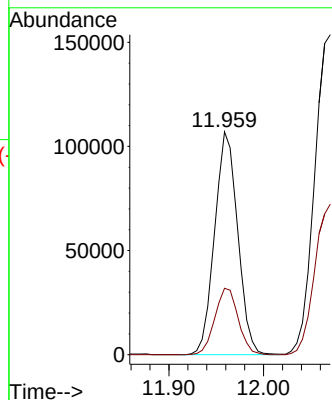
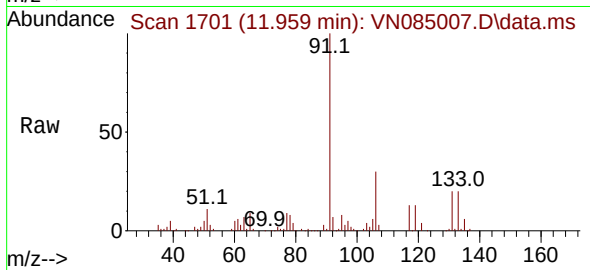
VSTDICC020

Tgt Ion: 91 Resp: 181169

Ion Ratio Lower Upper

91 100

106 29.8 24.7 37.1



#68

m/p-Xylenes

Concen: 41.824 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085007.D

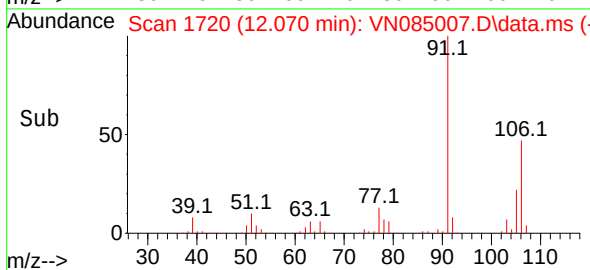
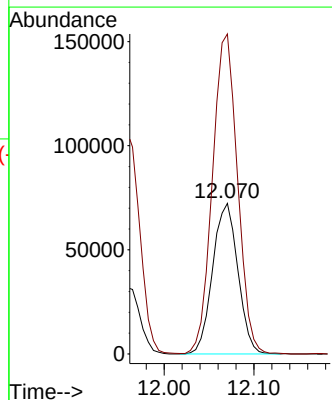
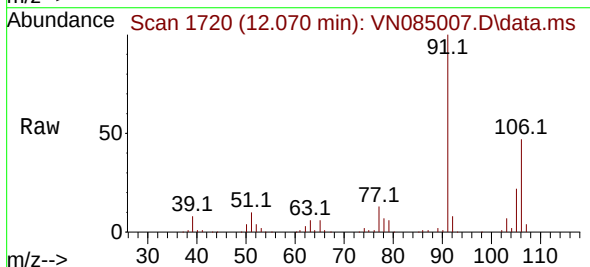
Acq: 22 Nov 2024 12:10

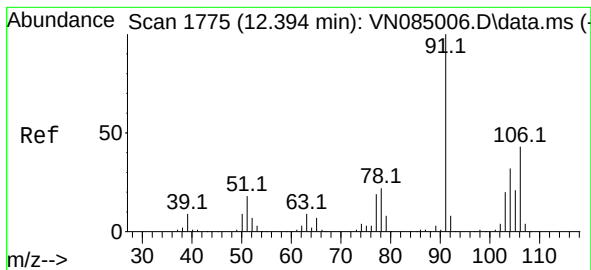
Tgt Ion:106 Resp: 141133

Ion Ratio Lower Upper

106 100

91 211.1 168.0 252.0





#69

o-Xylene

Concen: 20.565 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

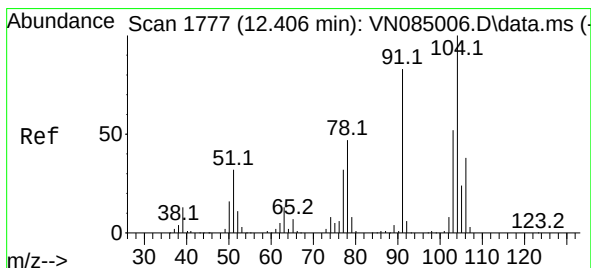
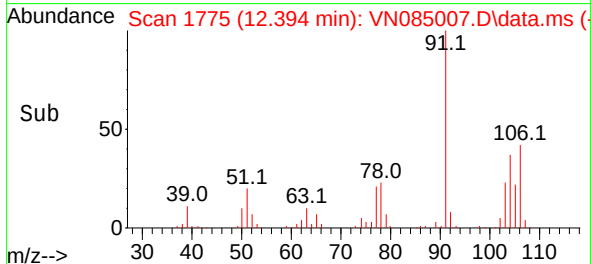
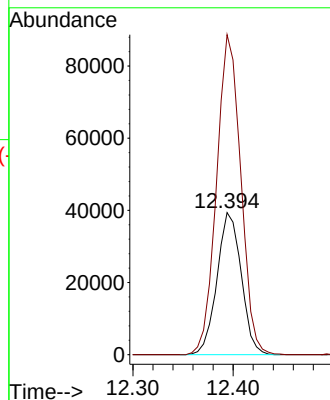
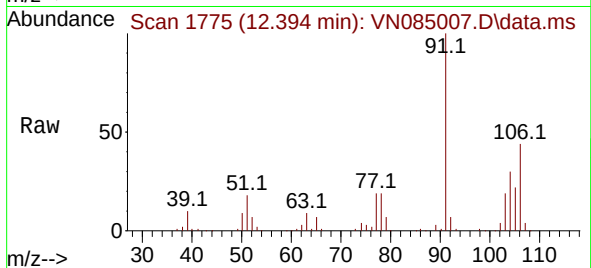
VSTDICC020

Tgt Ion:106 Resp: 66013

Ion Ratio Lower Upper

106 100

91 225.4 110.7 331.9



#70

Styrene

Concen: 21.263 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

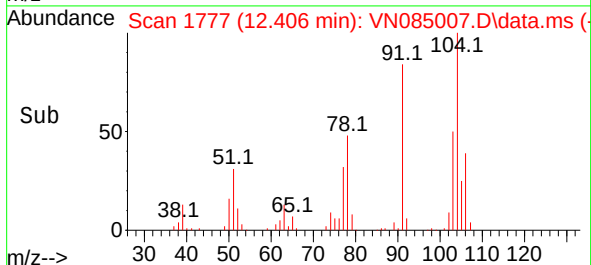
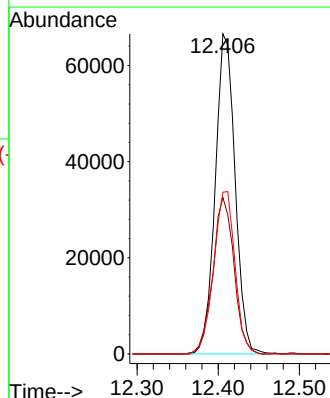
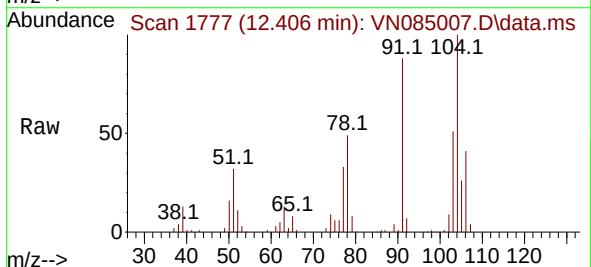
Tgt Ion:104 Resp: 113503

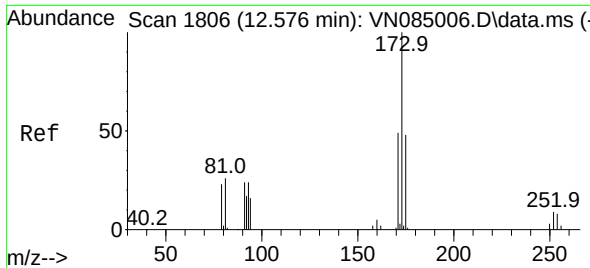
Ion Ratio Lower Upper

104 100

78 51.9 42.3 63.5

103 54.2 44.2 66.2

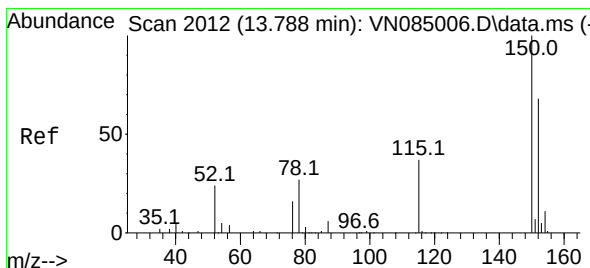
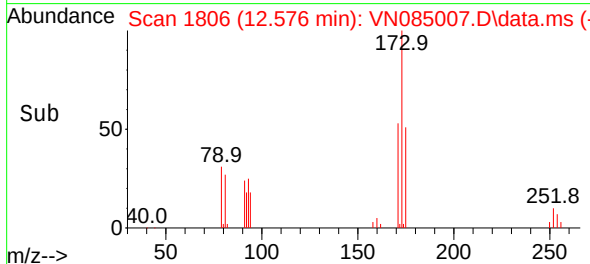
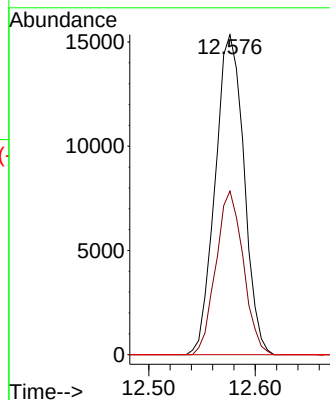
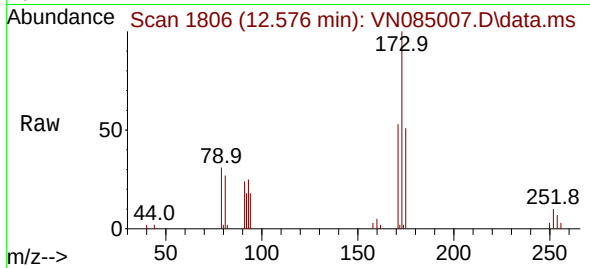




#71
Bromoform
Concen: 20.159 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

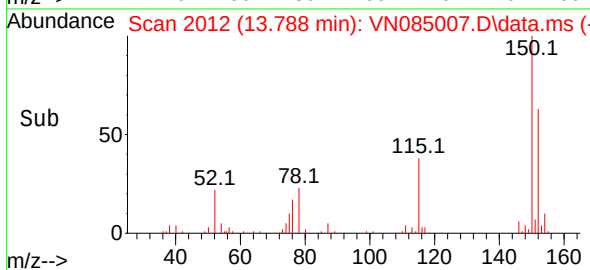
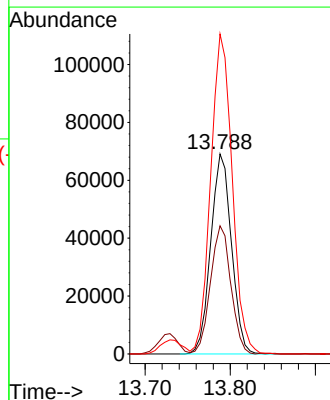
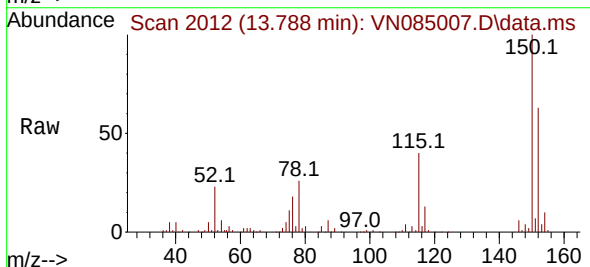
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

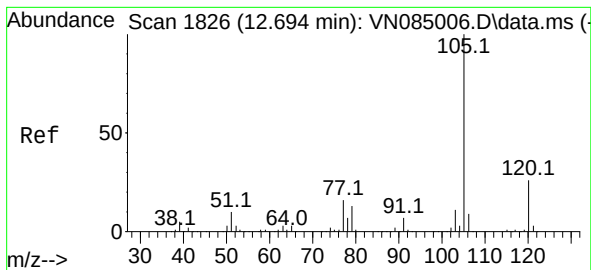
Tgt Ion:173 Resp: 28783
Ion Ratio Lower Upper
173 100
175 48.7 23.8 71.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:152 Resp: 116956
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 165.7 0.0 351.4





#73

Isopropylbenzene

Concen: 20.438 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

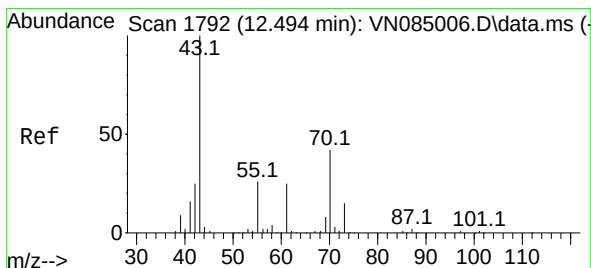
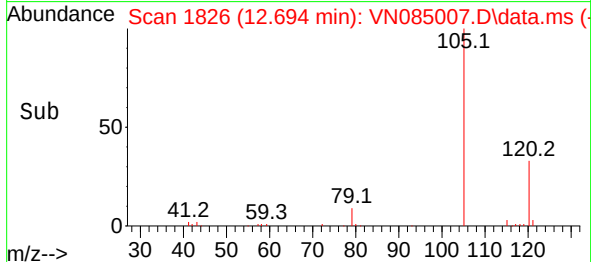
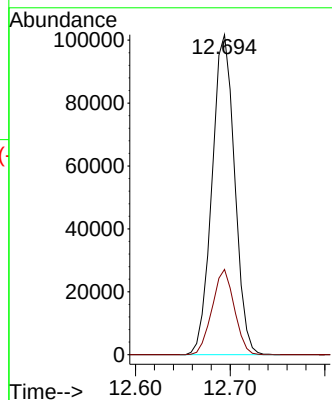
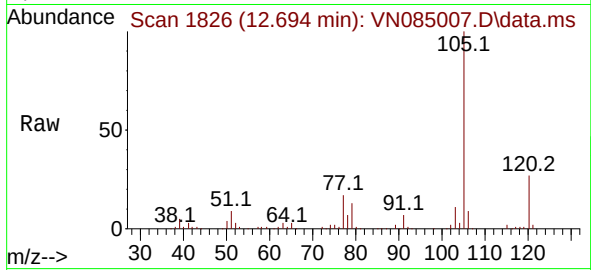
VSTDIC020

Tgt Ion:105 Resp: 168631

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



#74

N-ethyl acetate

Concen: 21.238 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Tgt Ion: 43 Resp: 72208

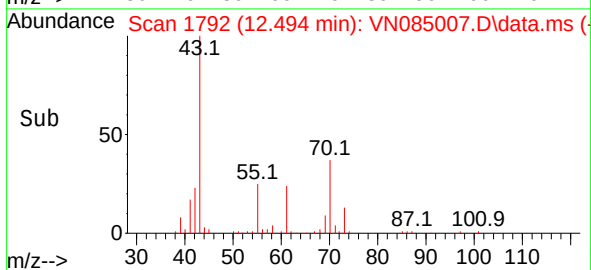
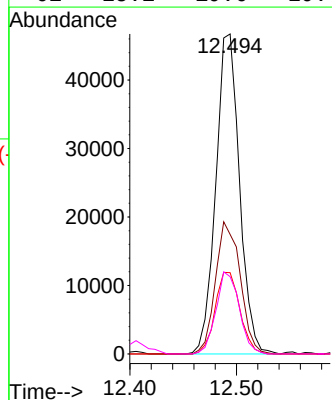
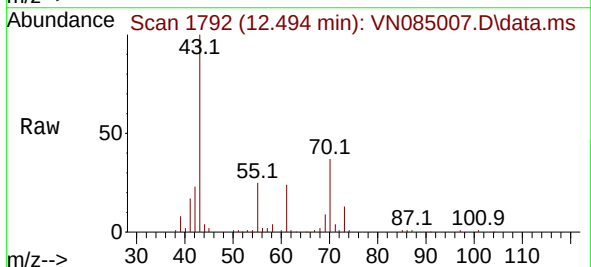
Ion Ratio Lower Upper

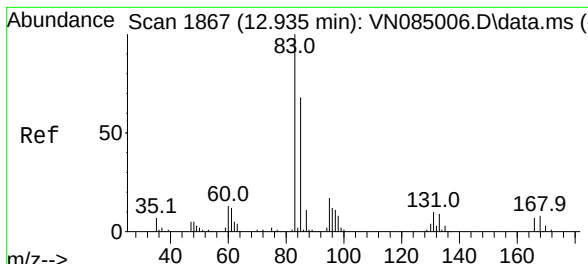
43 100

70 43.1 34.6 51.8

55 26.6 20.5 30.7

61 25.1 19.6 29.4

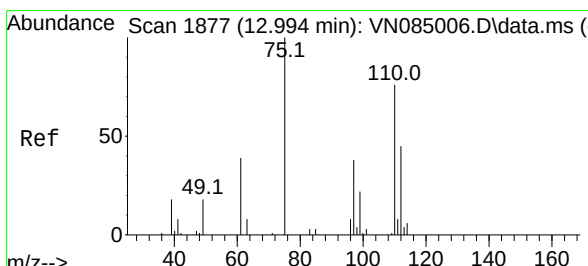
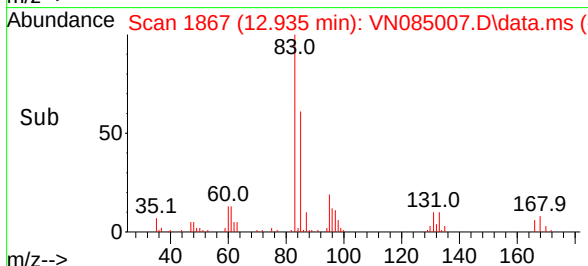
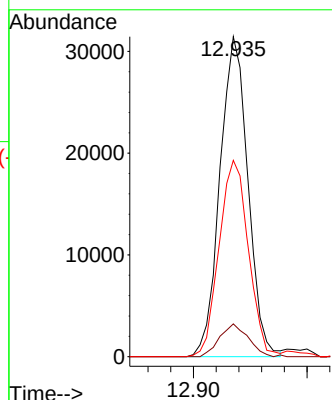
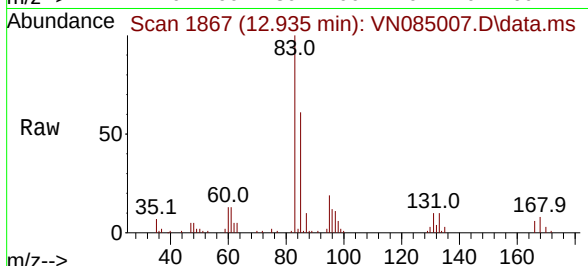




#75
1,1,2,2-Tetrachloroethane
Concen: 19.127 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

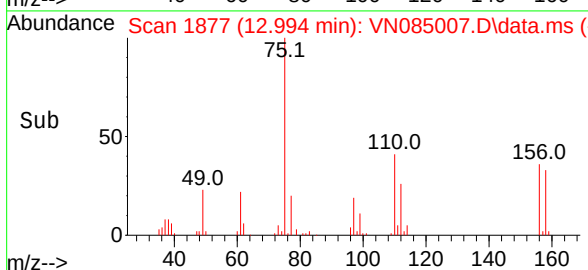
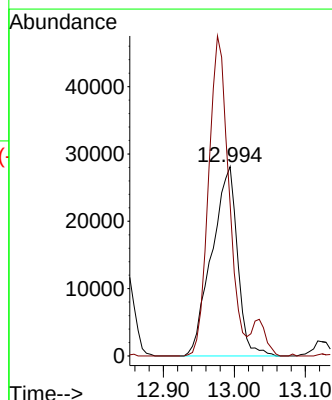
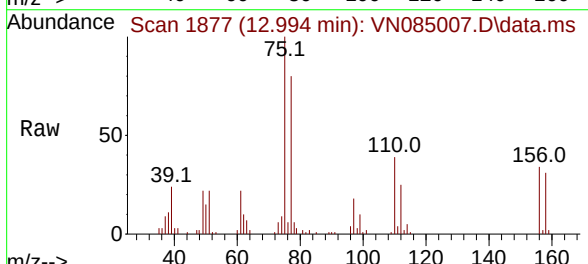
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

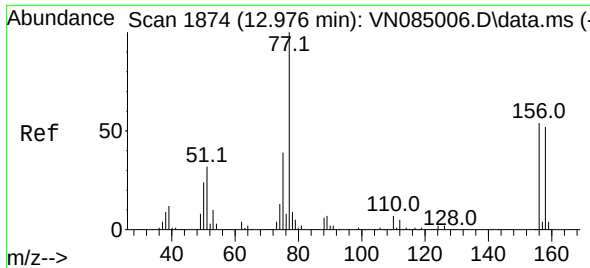
Tgt Ion: 83 Resp: 53889
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.4
85 64.1 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 32.262 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 70585
Ion Ratio Lower Upper
75 100
77 133.0 109.1 327.4

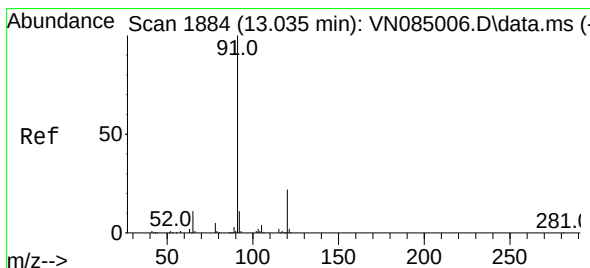
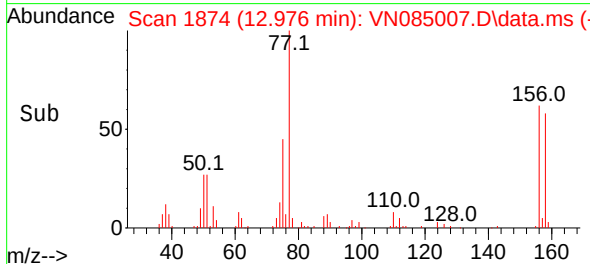
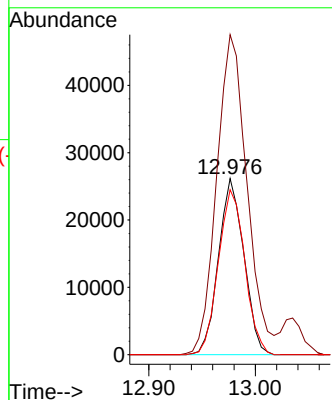
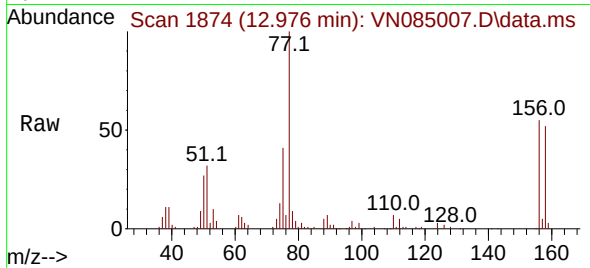




#77
Bromobenzene
Concen: 19.500 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

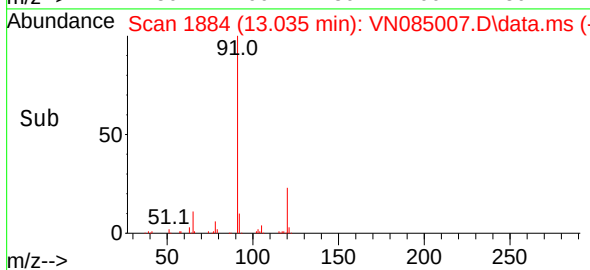
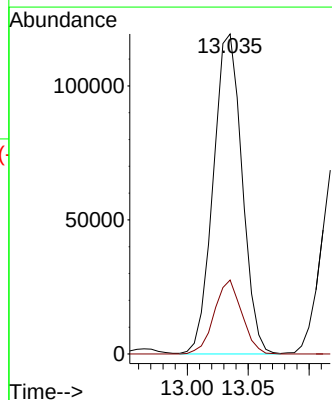
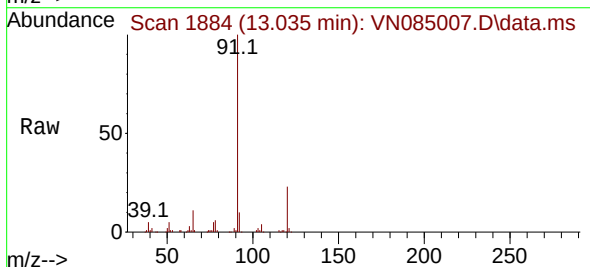
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

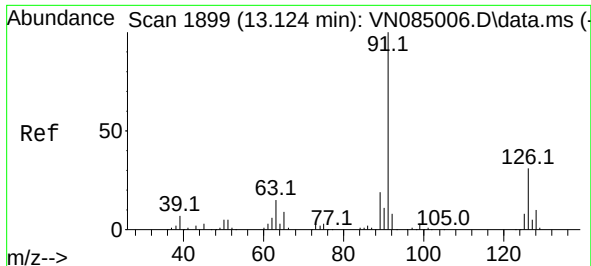
Tgt Ion:156 Resp: 43298
Ion Ratio Lower Upper
156 100
77 216.9 107.2 321.6
158 97.6 48.5 145.6



#78
n-propylbenzene
Concen: 20.653 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 196551
Ion Ratio Lower Upper
91 100
120 22.0 11.3 33.9





#79

2-Chlorotoluene

Concen: 20.261 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

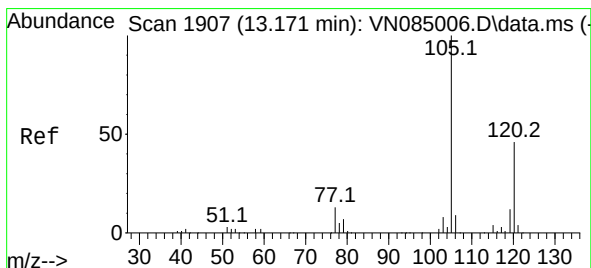
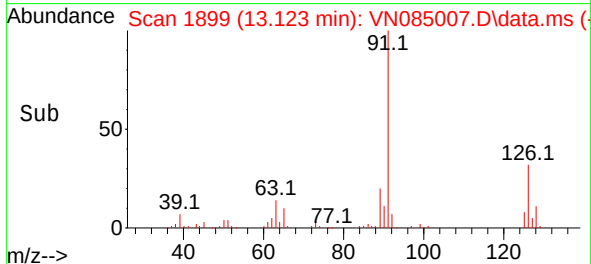
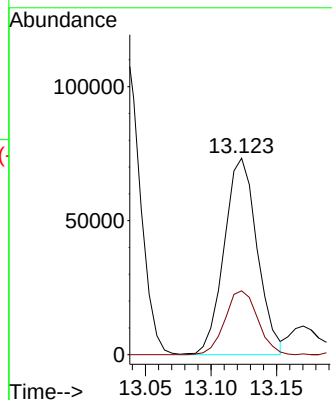
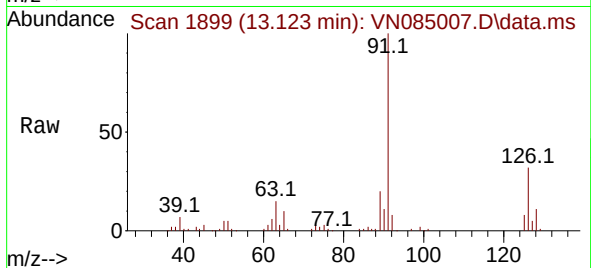
VSTDICC020

Tgt Ion: 91 Resp: 128714

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 21.048 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085007.D

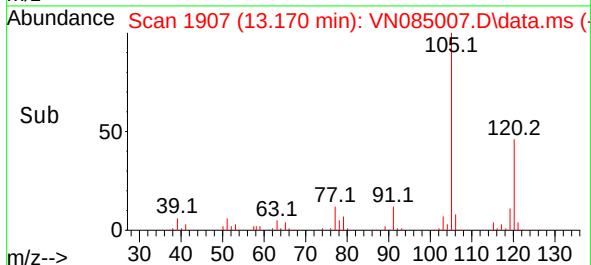
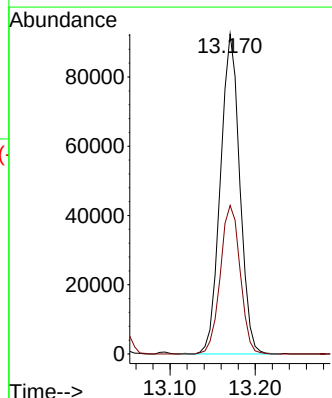
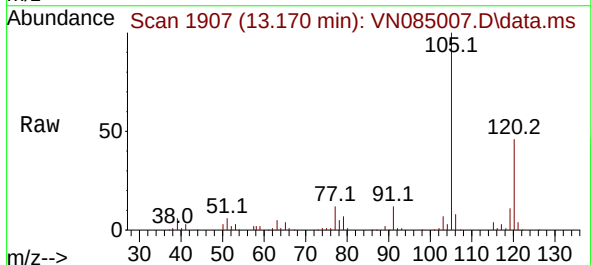
Acq: 22 Nov 2024 12:10

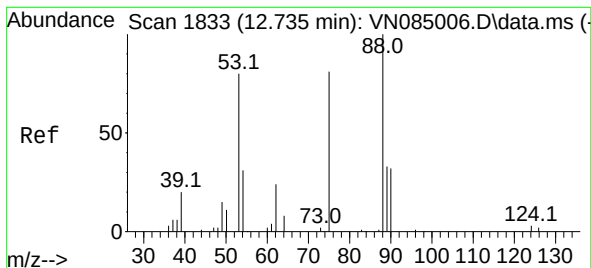
Tgt Ion:105 Resp: 145726

Ion Ratio Lower Upper

105 100

120 47.6 23.6 71.0

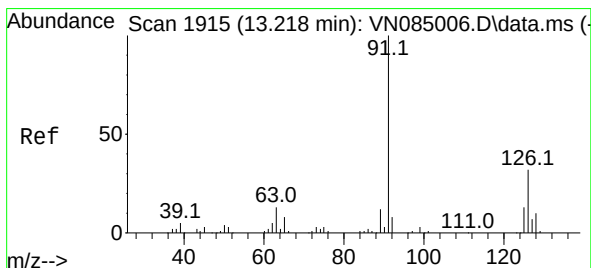
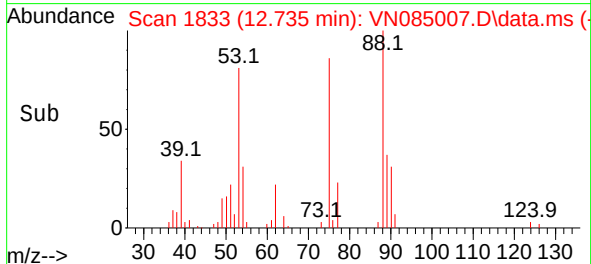
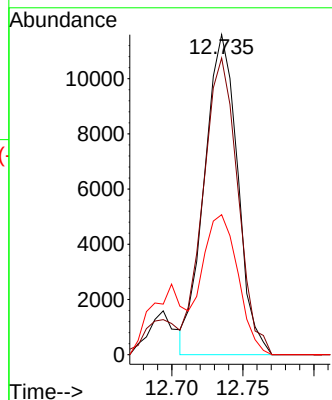
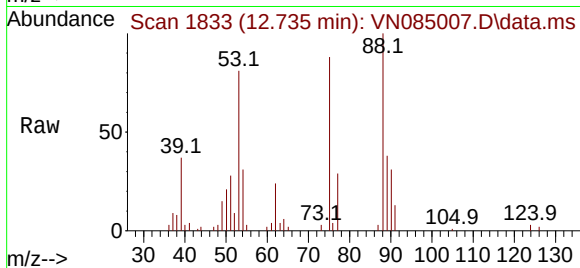




#81
trans-1,4-Dichloro-2-butene
Concen: 20.144 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

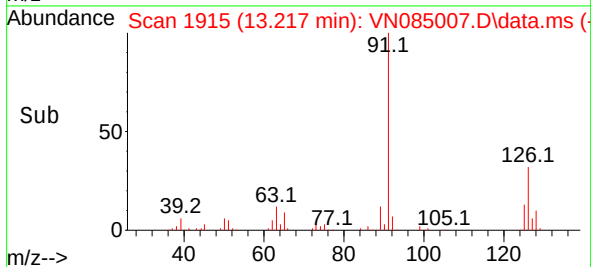
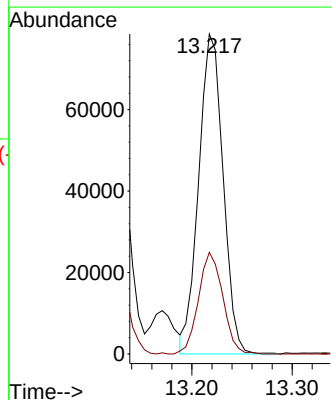
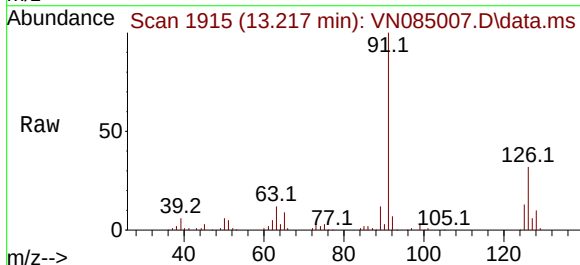
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

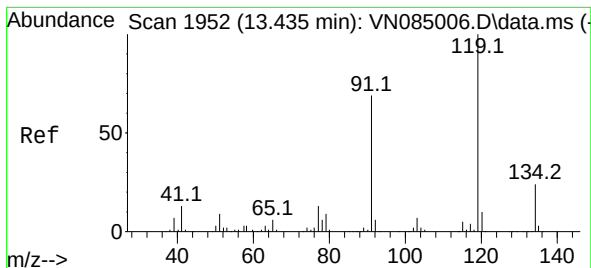
Tgt Ion: 75 Resp: 18860
Ion Ratio Lower Upper
75 100
53 96.4 78.2 117.4
89 46.7 37.9 56.9



#82
4-Chlorotoluene
Concen: 20.131 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 91 Resp: 133131
Ion Ratio Lower Upper
91 100
126 31.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 20.344 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

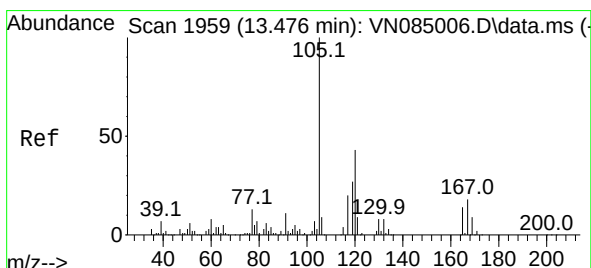
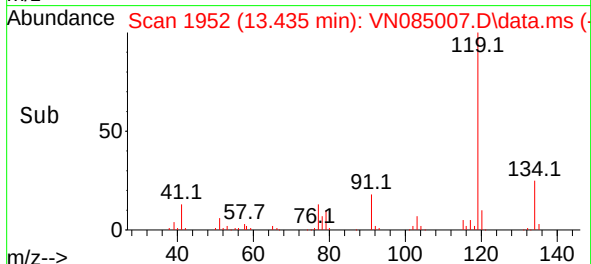
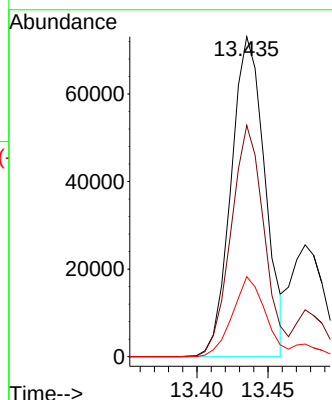
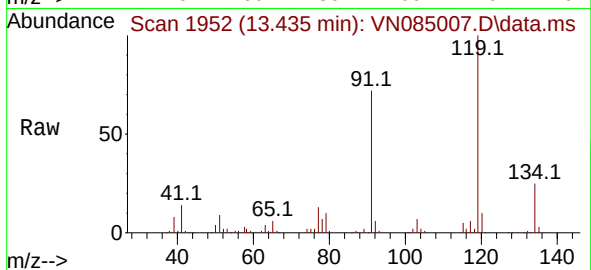
Tgt Ion:119 Resp: 121188

Ion Ratio Lower Upper

119 100

91 71.2 35.1 105.5

134 24.3 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 20.974 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN085007.D

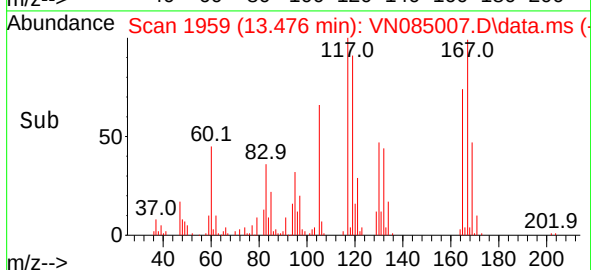
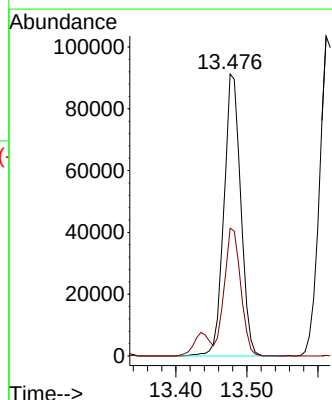
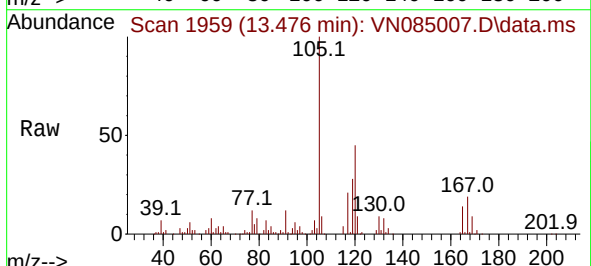
Acq: 22 Nov 2024 12:10

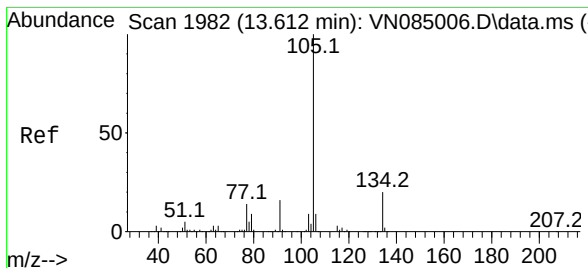
Tgt Ion:105 Resp: 149479

Ion Ratio Lower Upper

105 100

120 44.4 21.8 65.4

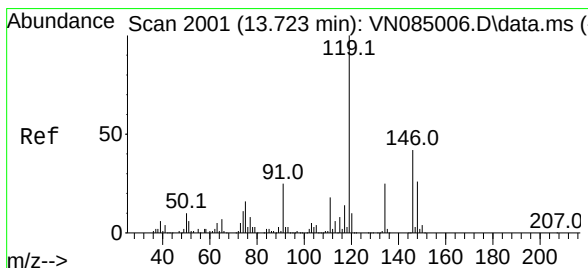
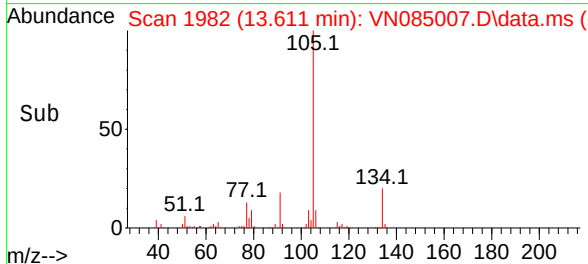
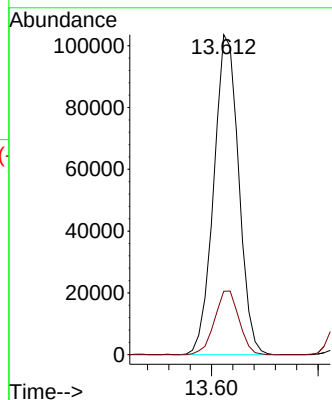
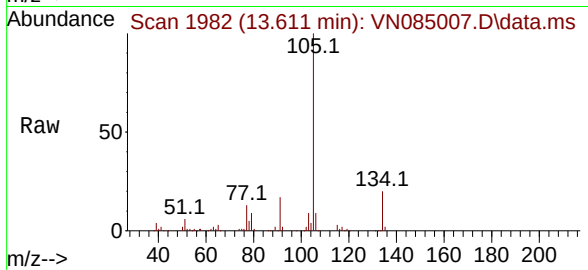




#85
sec-Butylbenzene
Concen: 20.885 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

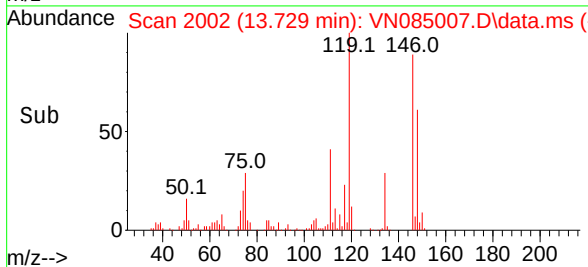
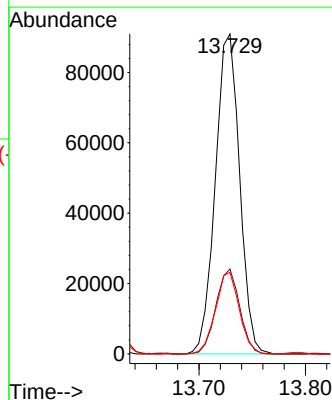
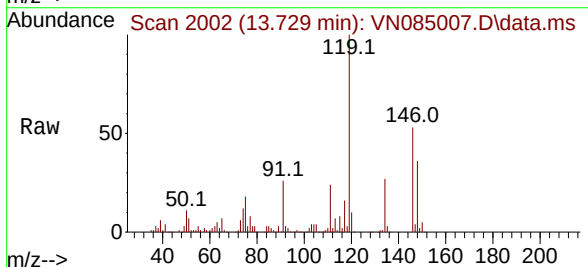
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

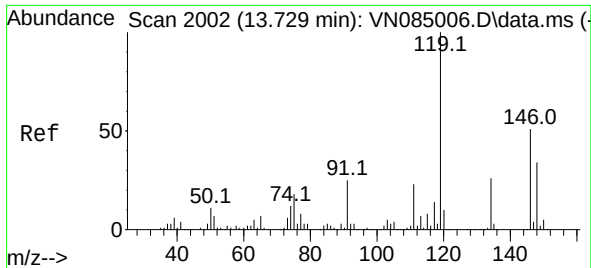
Tgt Ion:105 Resp: 168068
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.3



#86
p-Isopropyltoluene
Concen: 21.653 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:119 Resp: 143841
Ion Ratio Lower Upper
119 100
134 25.9 13.0 39.0
91 25.0 12.8 38.4

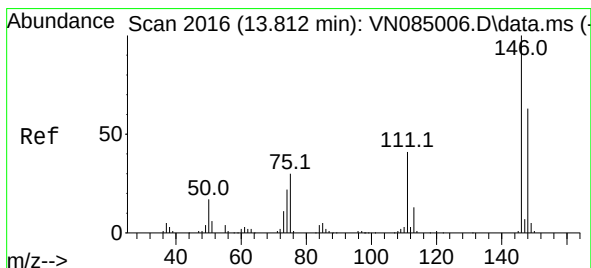
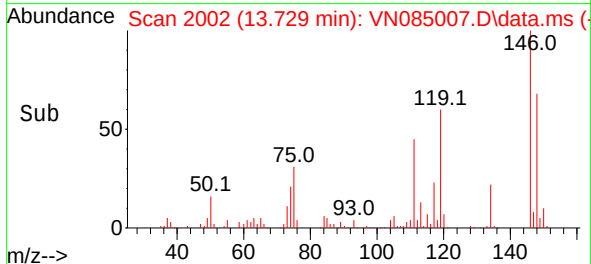
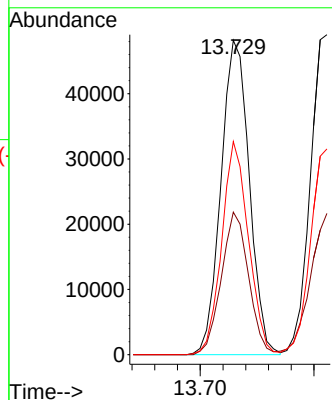
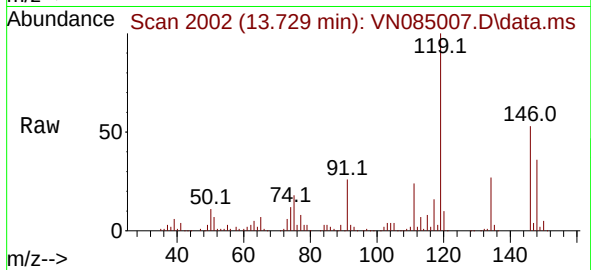




#87
1,3-Dichlorobenzene
Concen: 19.066 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

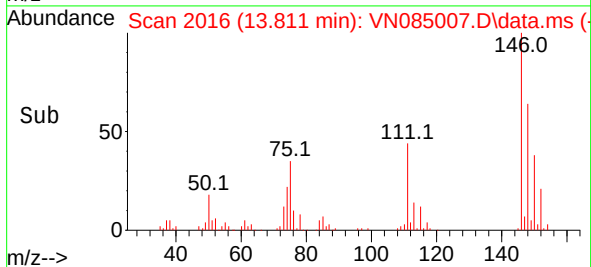
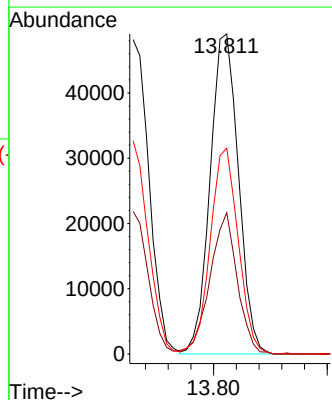
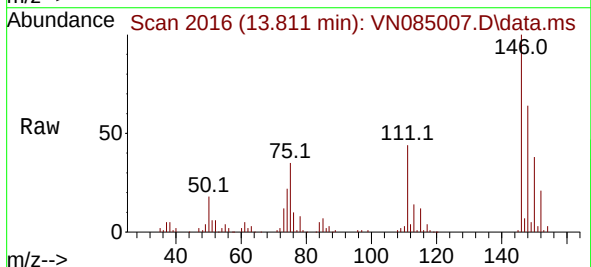
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

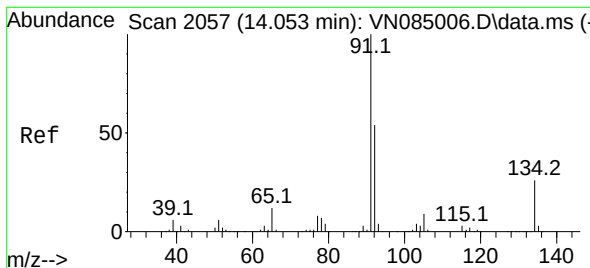
Tgt Ion:146 Resp: 83500
Ion Ratio Lower Upper
146 100
111 43.5 21.6 65.0
148 63.9 32.2 96.6



#88
1,4-Dichlorobenzene
Concen: 19.041 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion:146 Resp: 85098
Ion Ratio Lower Upper
146 100
111 42.7 20.9 62.8
148 63.5 31.3 93.9





#89

n-Butylbenzene

Concen: 19.790 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

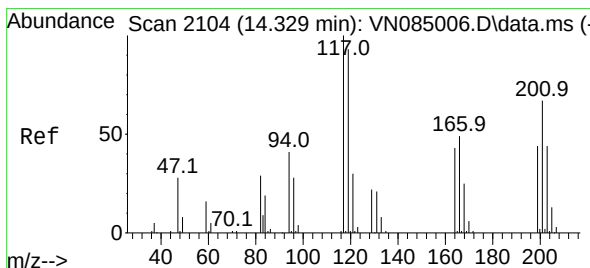
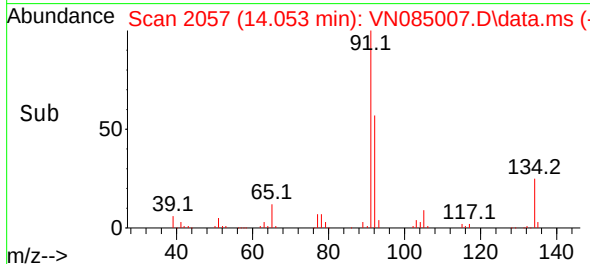
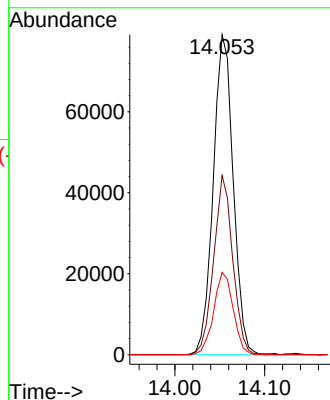
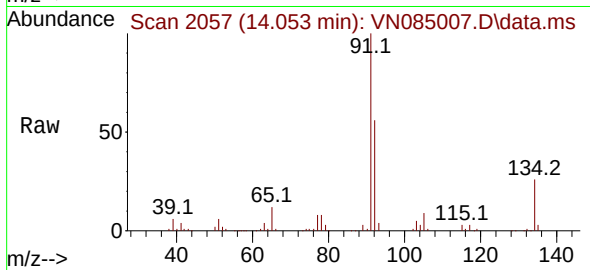
Tgt Ion: 91 Resp: 122257

Ion Ratio Lower Upper

91 100

92 53.5 26.8 80.3

134 25.1 12.8 38.4



#90

Hexachloroethane

Concen: 19.267 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN085007.D

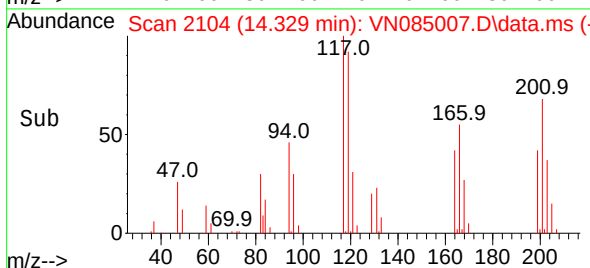
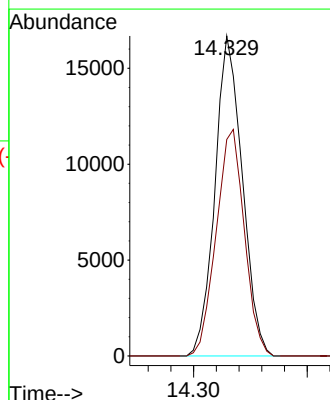
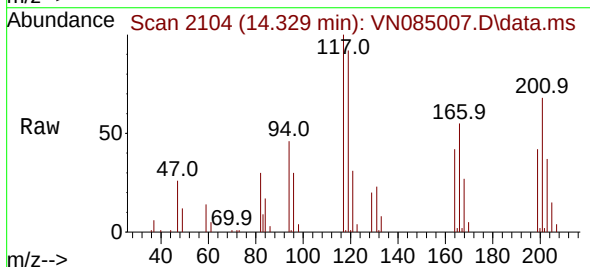
Acq: 22 Nov 2024 12:10

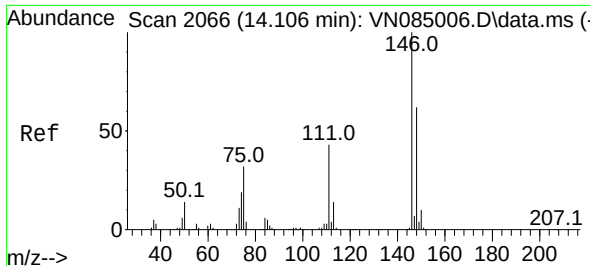
Tgt Ion: 117 Resp: 27899

Ion Ratio Lower Upper

117 100

201 72.9 35.2 105.6

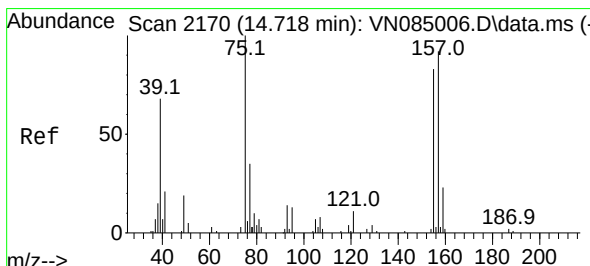
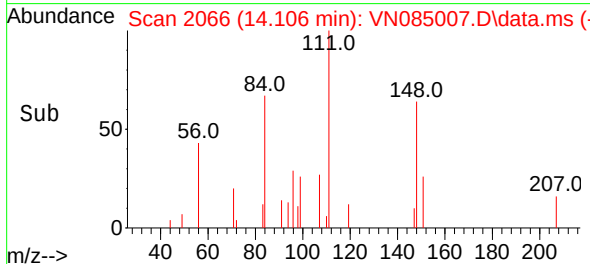
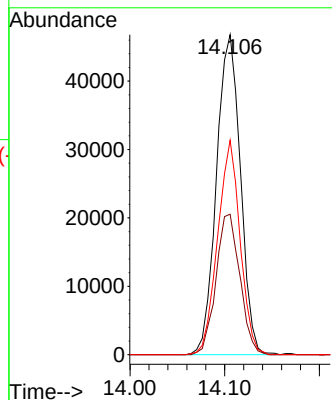
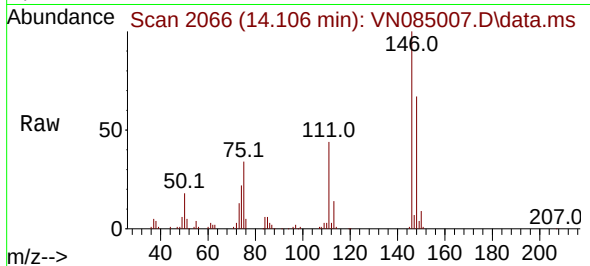




#91
1,2-Dichlorobenzene
Concen: 19.579 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

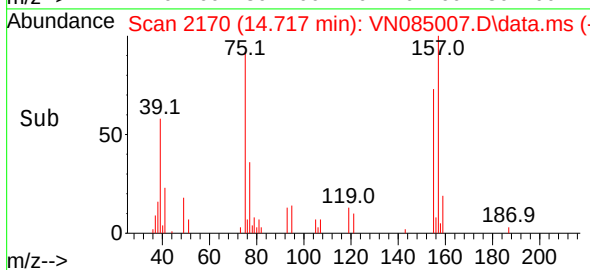
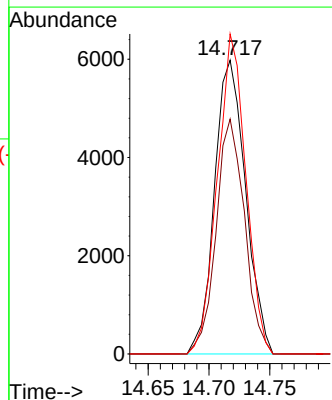
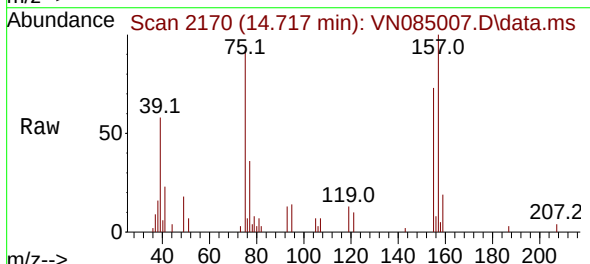
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

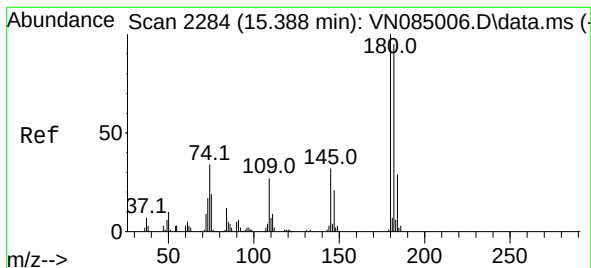
Tgt Ion:146 Resp: 82164
Ion Ratio Lower Upper
146 100
111 43.8 21.9 65.8
148 62.9 31.1 93.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.517 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085007.D
Acq: 22 Nov 2024 12:10

Tgt Ion: 75 Resp: 10633
Ion Ratio Lower Upper
75 100
155 73.2 38.9 116.7
157 99.9 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 19.467 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

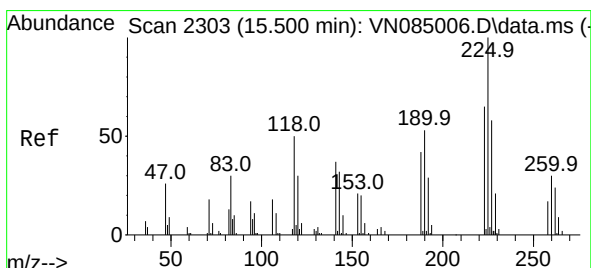
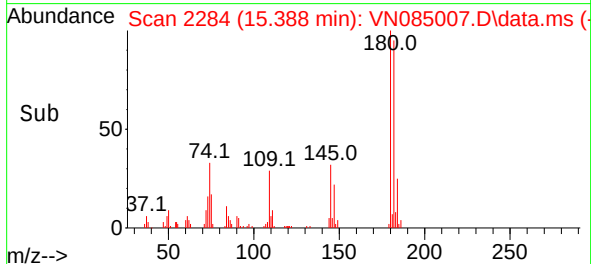
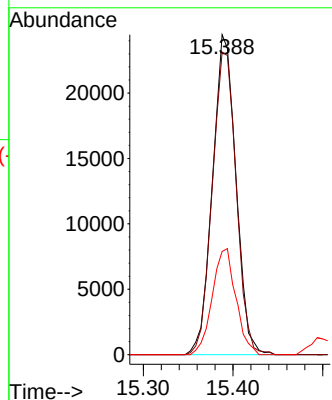
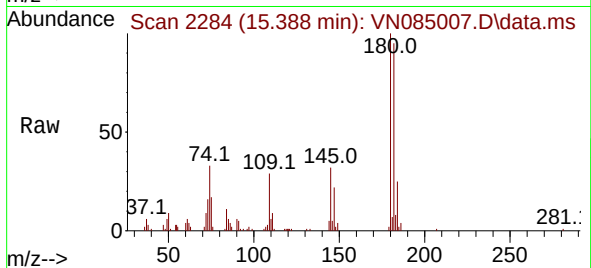
Tgt Ion:180 Resp: 44383

Ion Ratio Lower Upper

180 100

182 96.5 46.9 140.8

145 33.4 16.3 48.8



#94

Hexachlorobutadiene

Concen: 19.618 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

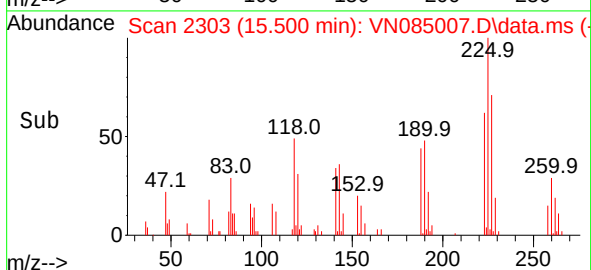
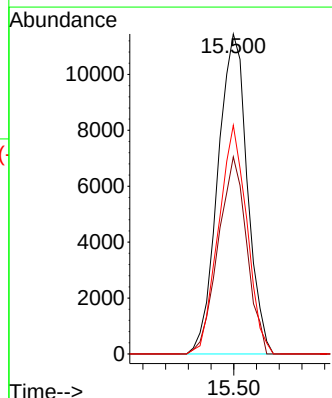
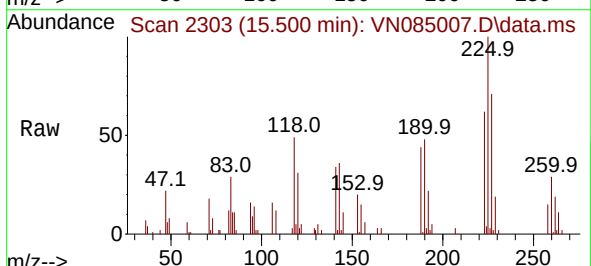
Tgt Ion:225 Resp: 20642

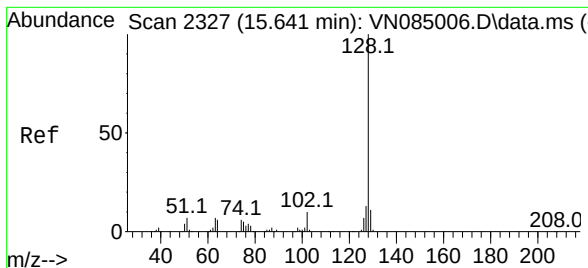
Ion Ratio Lower Upper

225 100

223 59.6 30.9 92.8

227 68.7 31.5 94.5





#95

Naphthalene

Concen: 20.454 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

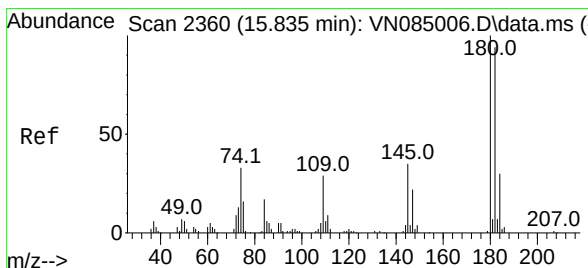
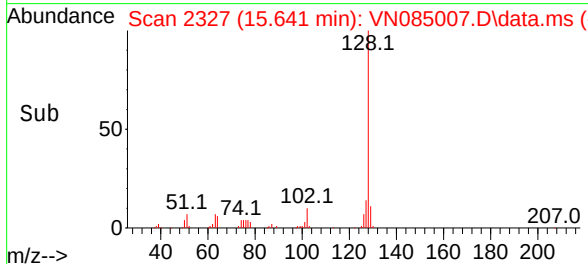
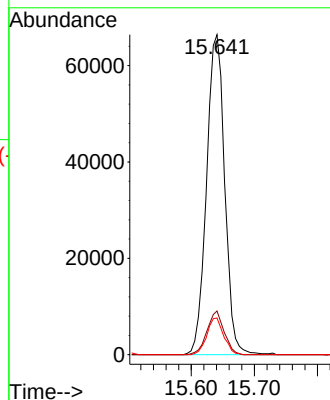
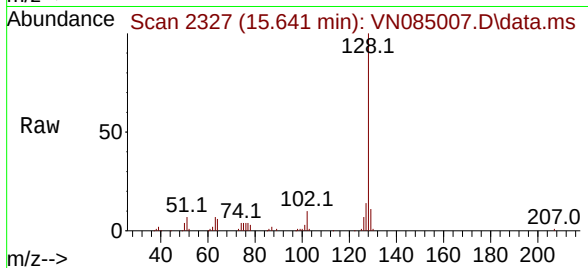
Tgt Ion:128 Resp: 132816

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 20.293 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085007.D

Acq: 22 Nov 2024 12:10

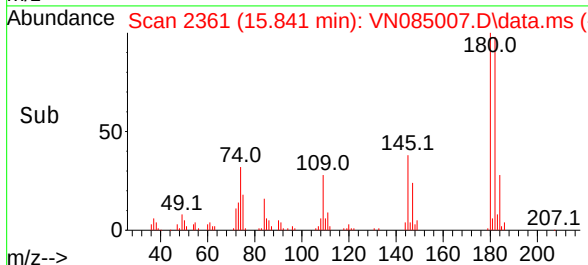
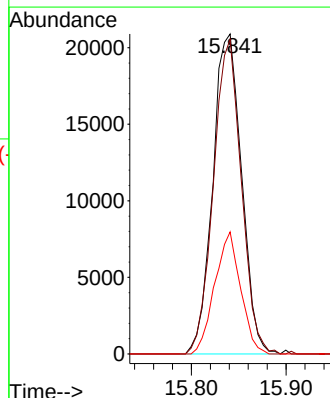
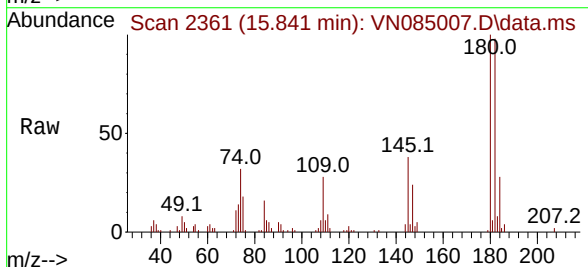
Tgt Ion:180 Resp: 44145

Ion Ratio Lower Upper

180 100

182 95.1 46.4 139.2

145 34.3 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Nov 23 02:00:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	20.640%#
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	19.600%#
50) Toluene-d8	10.559	98	64656	9.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	19.220%#
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	19.380%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l	98
3) Chloromethane	2.359	50	19463	9.194	ug/l	93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l	99
5) Bromomethane	2.901	94	10681	10.017	ug/l	99
6) Chloroethane	3.077	64	12602	9.828	ug/l #	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l	98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l	98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l	95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l #	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l	93
13) Acrolein	4.183	56	10601	51.710	ug/l	99
14) Allyl chloride	5.006	41	28006	9.697	ug/l	97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l	98
16) Acetone	4.430	43	32743	48.900	ug/l	99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l #	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l	96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l	92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l	99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l	100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l #	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l	95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l	99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l	95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l	99
30) Chloroform	7.959	83	34651	9.365	ug/l	98
31) Cyclohexane	8.253	56	29526	9.641	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l	98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l	99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l #	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l	97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l	96
40) Benzene	8.600	78	75597	9.404	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Nov 23 02:00:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l	99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l	100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l	95
44) Trichloroethene	9.347	130	17835	9.547	ug/l	90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l	98
46) Dibromomethane	9.706	93	12540	9.114	ug/l	96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l	95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l	95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l	100
52) Toluene	10.630	92	44072	9.261	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l	98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l	99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l	97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l	98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l	97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l	95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l	94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l	98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l	95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l	98
69) o-Xylene	12.394	106	30067	9.618	ug/l	95
70) Styrene	12.412	104	50150	9.647	ug/l	99
71) Bromoform	12.576	173	12832	9.228	ug/l #	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l	98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	32755	15.866	ug/l	45
77) Bromobenzene	12.976	156	19904	9.500	ug/l	99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l	98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l	99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l	100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l	99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l	99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l	99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l	100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l	97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l	98
95) Naphthalene	15.641	128	54191	8.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

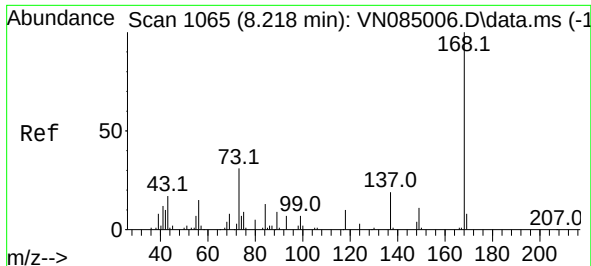
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

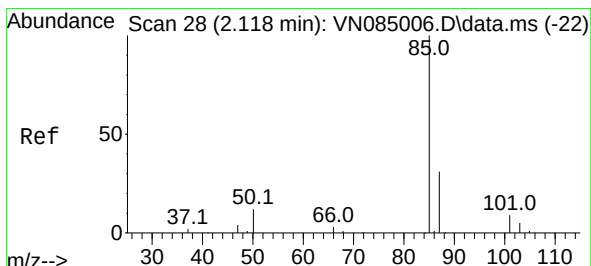
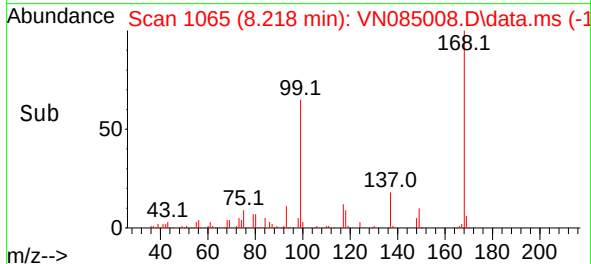
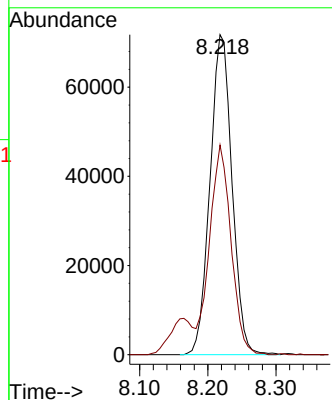
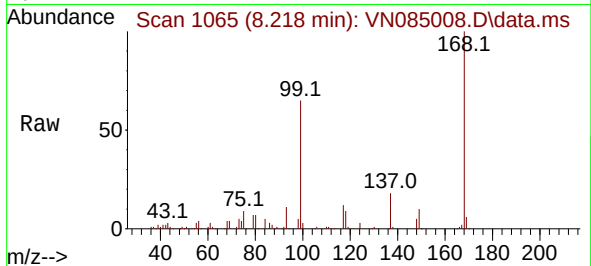




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

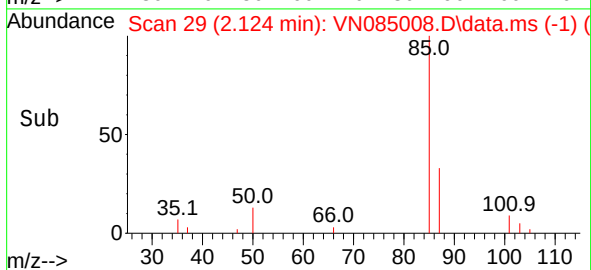
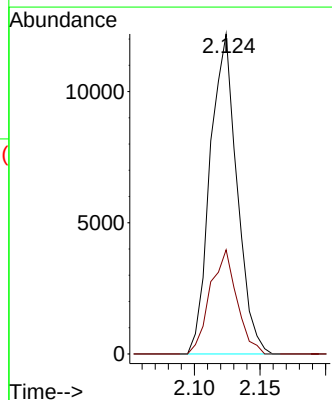
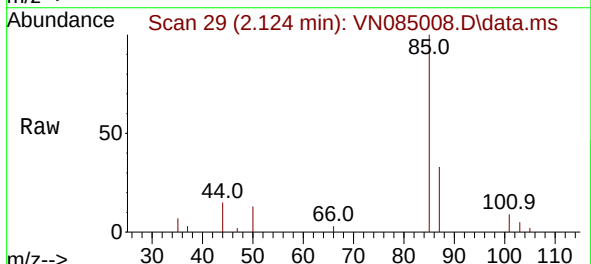
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

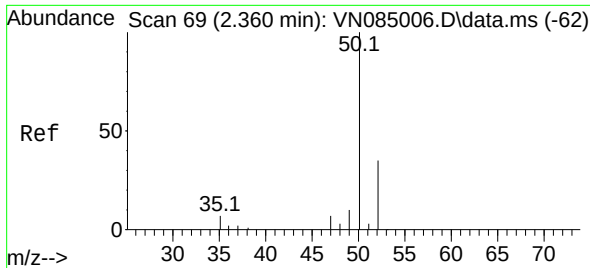
Tgt Ion:168 Resp: 161407
Ion Ratio Lower Upper
168 100
99 65.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 9.509 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 85 Resp: 17355
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1

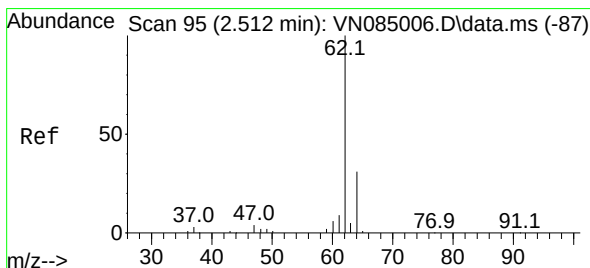
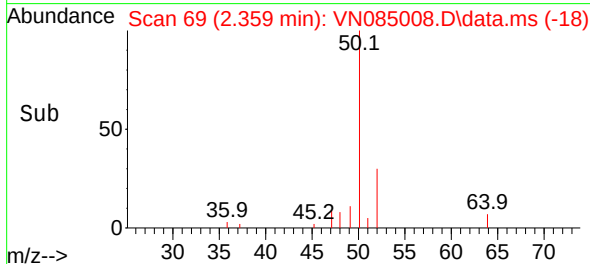
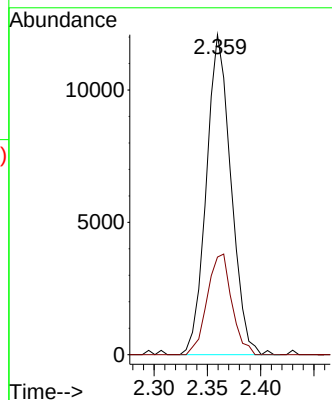
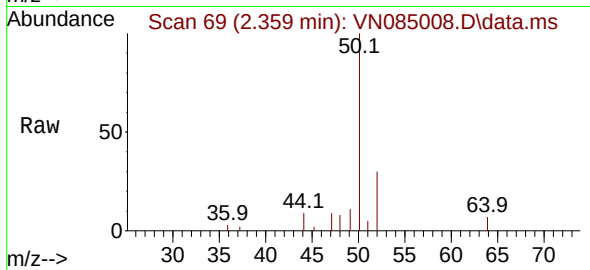




#3
Chloromethane
Concen: 9.194 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

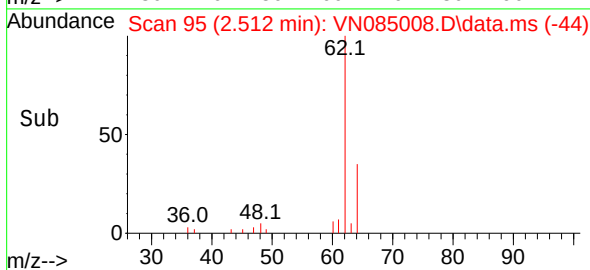
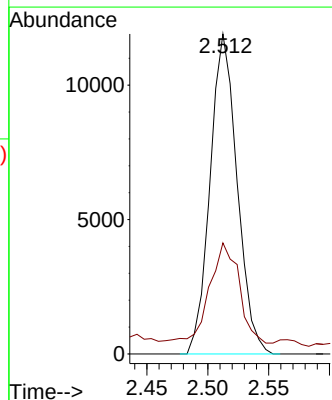
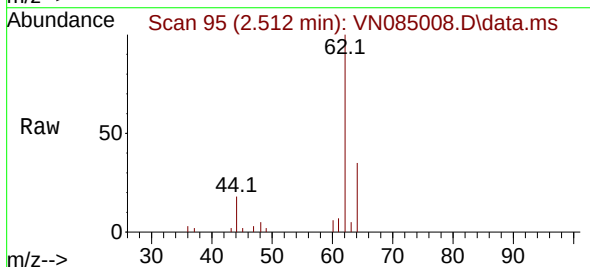
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

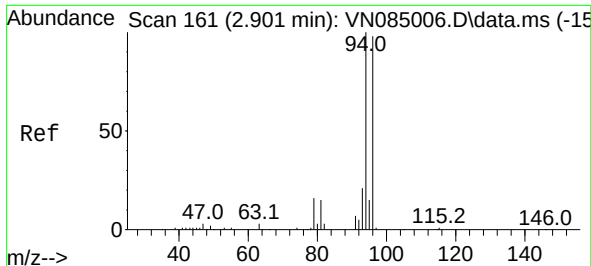
Tgt Ion: 50 Resp: 19463
Ion Ratio Lower Upper
50 100
52 30.5 27.8 41.8



#4
Vinyl Chloride
Concen: 9.661 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 62 Resp: 18378
Ion Ratio Lower Upper
62 100
64 30.3 24.6 36.8

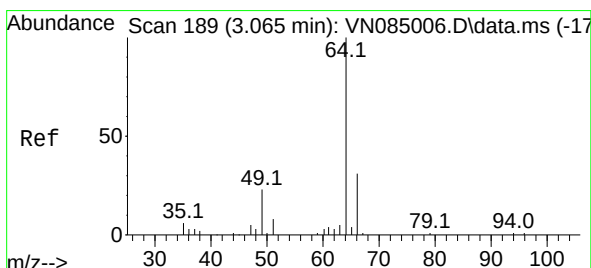
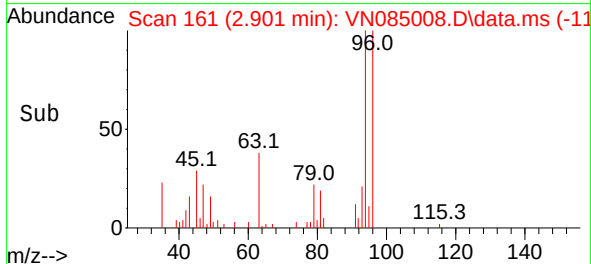
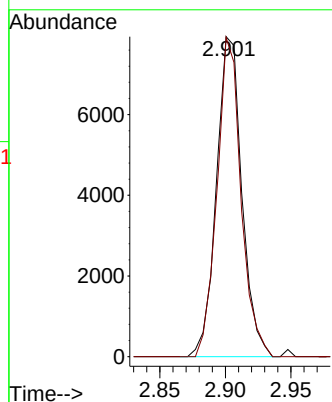
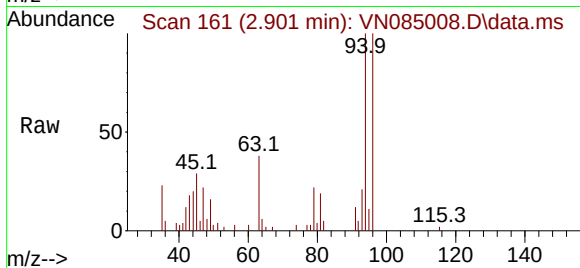




#5
Bromomethane
Concen: 10.017 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

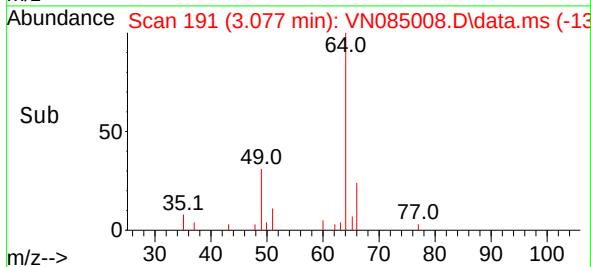
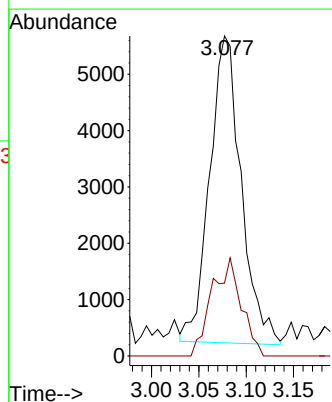
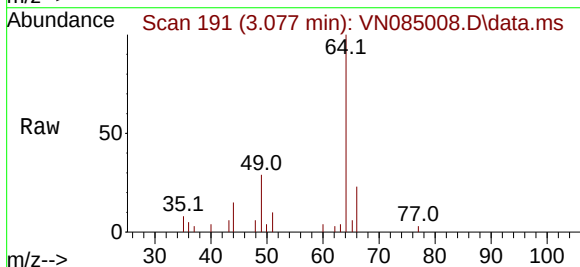
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

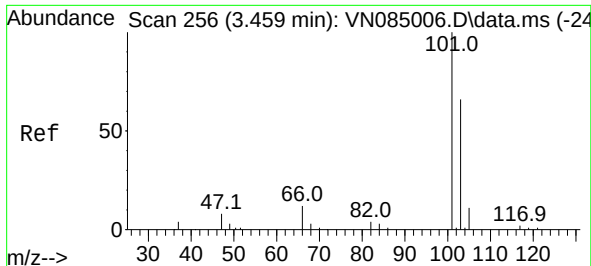
Tgt Ion: 94 Resp: 10681
Ion Ratio Lower Upper
94 100
96 99.7 78.7 118.1



#6
Chloroethane
Concen: 9.828 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 64 Resp: 12602
Ion Ratio Lower Upper
64 100
66 23.8 24.4 36.6#

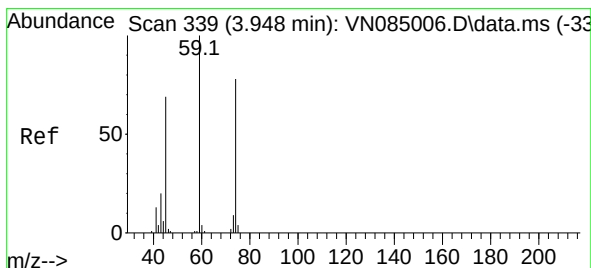
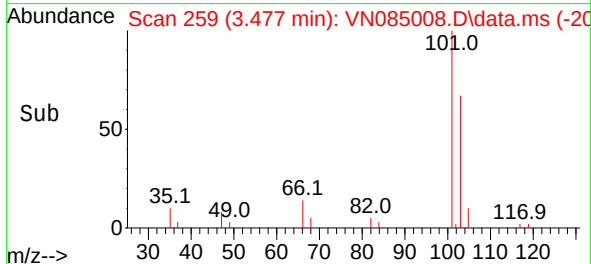
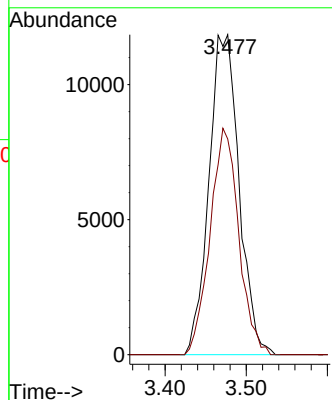
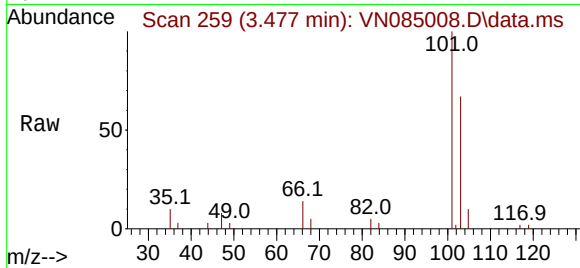




#7
 Trichlorofluoromethane
 Concen: 9.445 ug/l
 RT: 3.477 min Scan# 256
 Delta R.T. 0.018 min
 Lab File: VN085008.D
 Acq: 22 Nov 2024 12:34

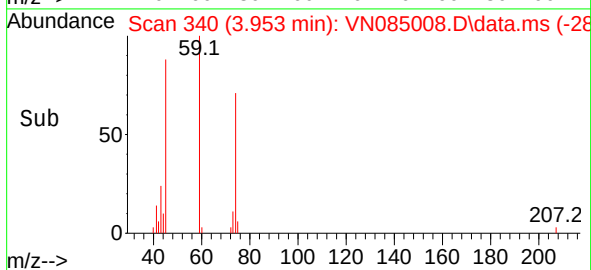
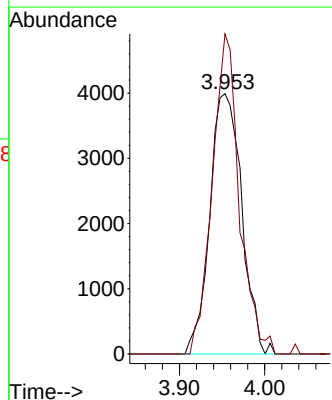
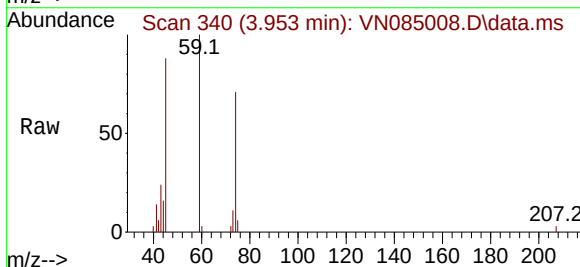
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

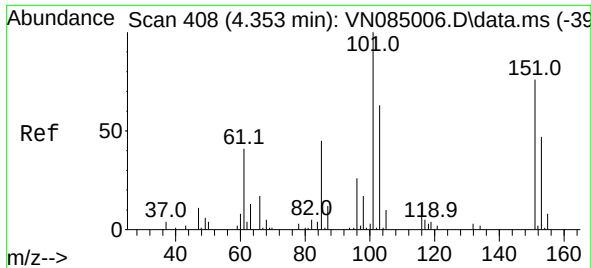
Tgt Ion:101 Resp: 30566
 Ion Ratio Lower Upper
 101 100
 103 67.4 52.6 78.8



#8
 Diethyl Ether
 Concen: 9.437 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. 0.006 min
 Lab File: VN085008.D
 Acq: 22 Nov 2024 12:34

Tgt Ion: 74 Resp: 10394
 Ion Ratio Lower Upper
 74 100
 45 104.3 46.7 140.1

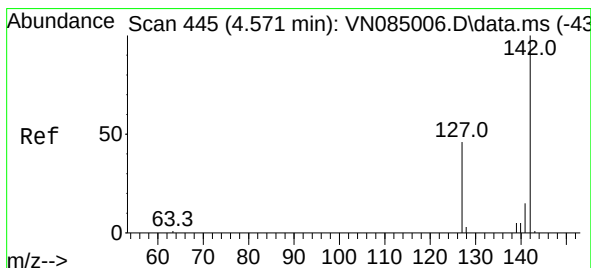
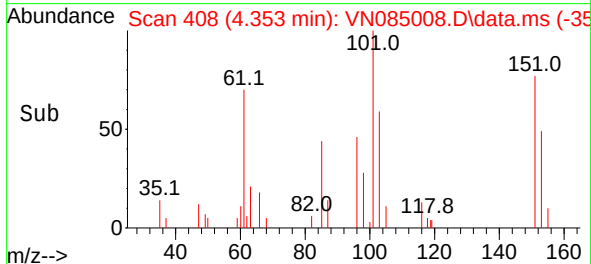
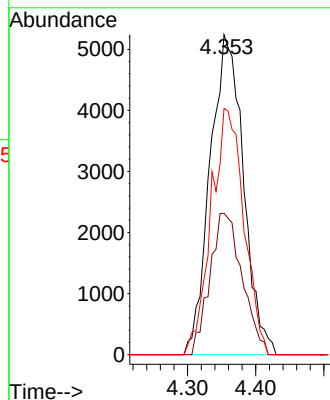
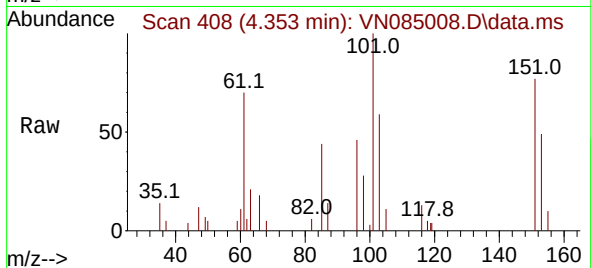




#9
1,1,2-Trichlorotrifluoroethane
Concen: 9.693 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

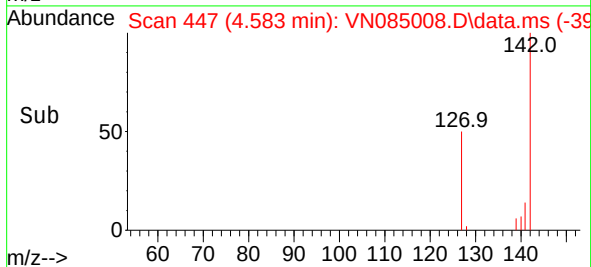
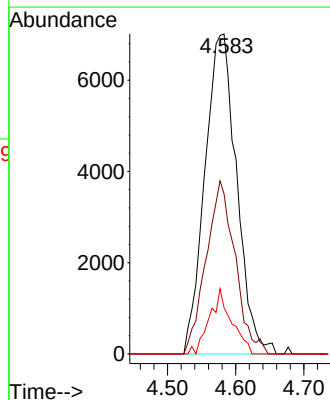
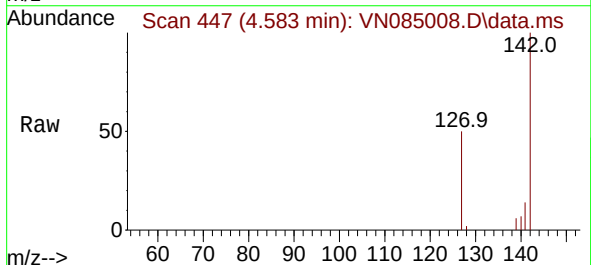
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

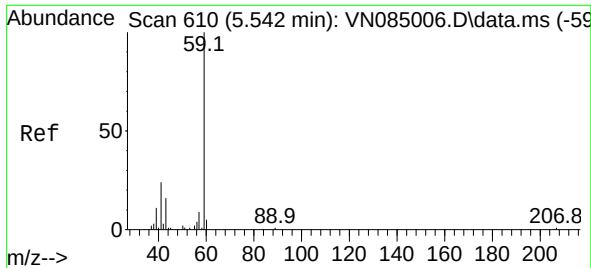
Tgt Ion:101 Resp: 17791
Ion Ratio Lower Upper
101 100
85 42.9 36.9 55.3
151 75.7 60.8 91.2



#10
Methyl Iodide
Concen: 9.353 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:142 Resp: 22722
Ion Ratio Lower Upper
142 100
127 50.1 36.6 54.8
141 14.5 12.2 18.4

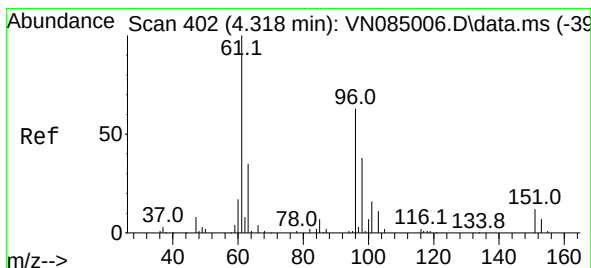
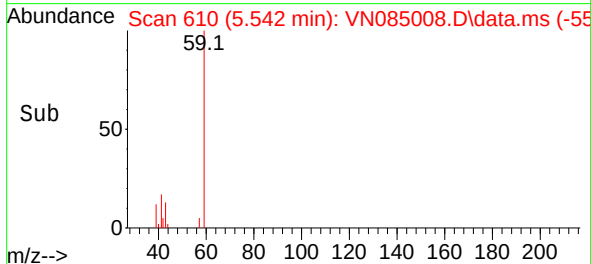
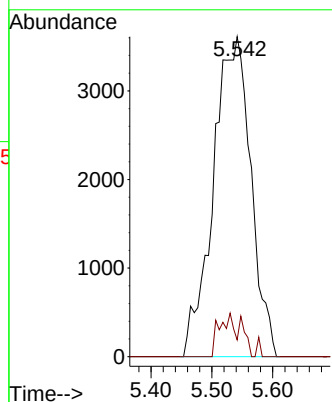
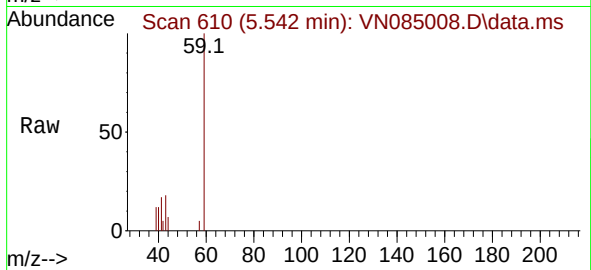




#11
Tert butyl alcohol
Concen: 50.421 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

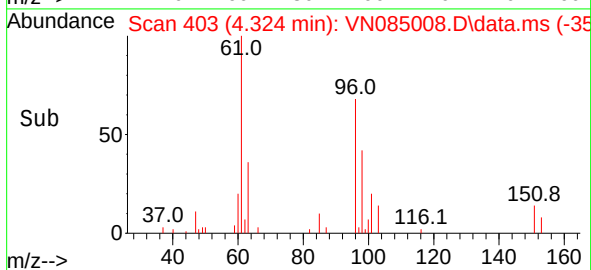
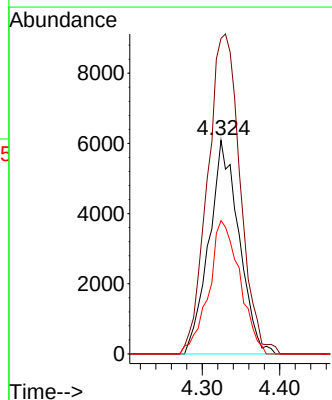
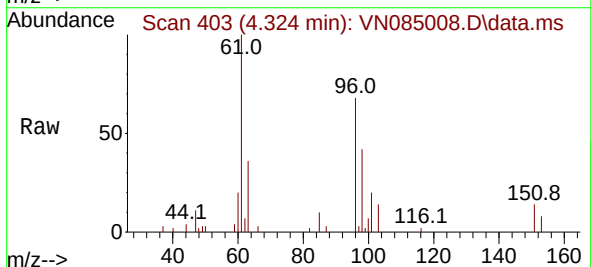
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

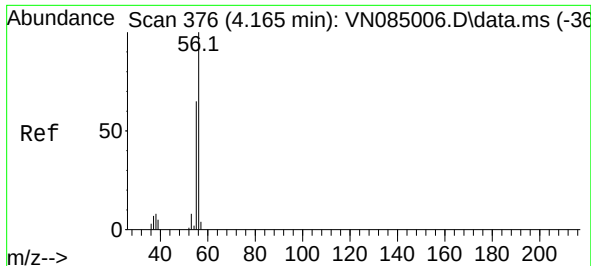
Tgt Ion: 59 Resp: 15491
Ion Ratio Lower Upper
59 100
57 2.2 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 9.532 ug/l
RT: 4.324 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 96 Resp: 16330
Ion Ratio Lower Upper
96 100
61 147.7 127.8 191.8
98 62.4 49.2 73.8





#13

Acrolein

Concen: 51.710 ug/l

RT: 4.183 min Scan# 376

Delta R.T. 0.018 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

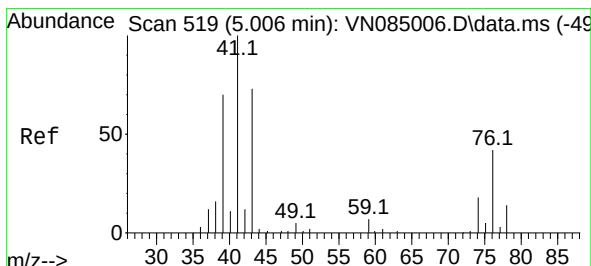
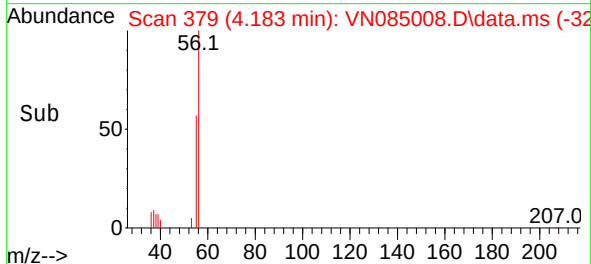
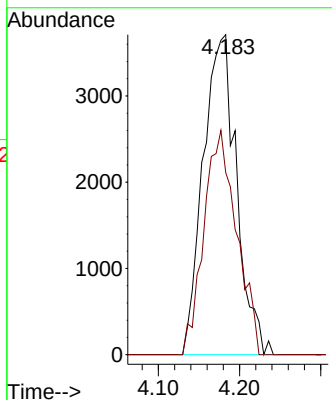
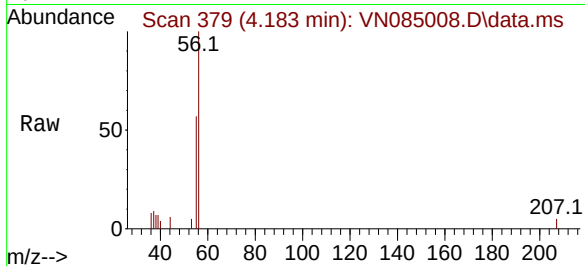
VSTDIC010

Tgt Ion: 56 Resp: 10601

Ion Ratio Lower Upper

56 100

55 68.7 54.5 81.7



#14

Allyl chloride

Concen: 9.697 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

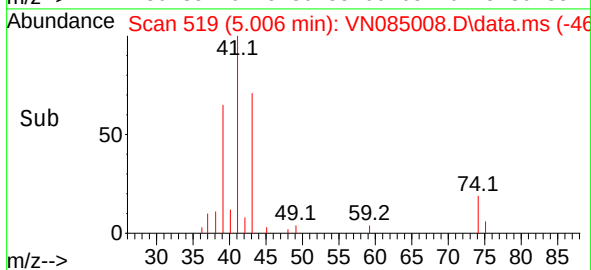
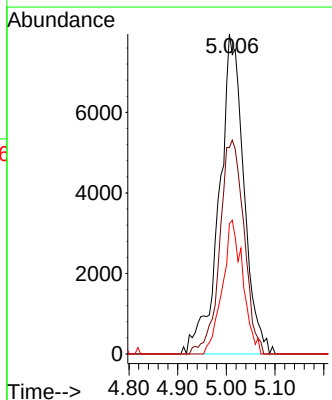
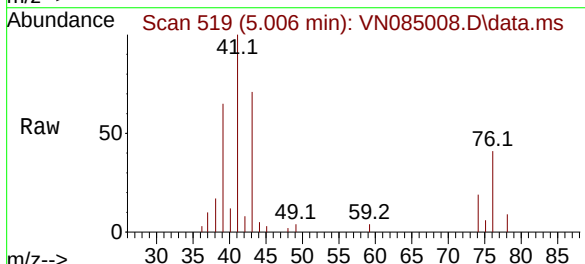
Tgt Ion: 41 Resp: 28006

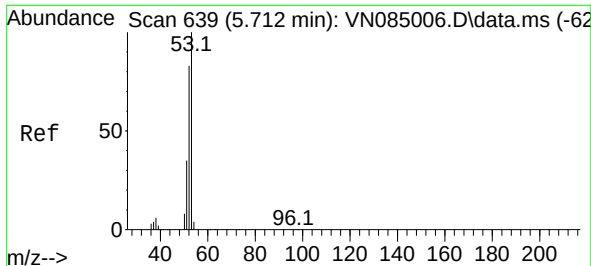
Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.8

76 34.7 29.3 43.9

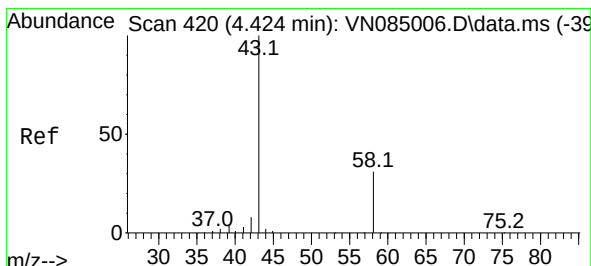
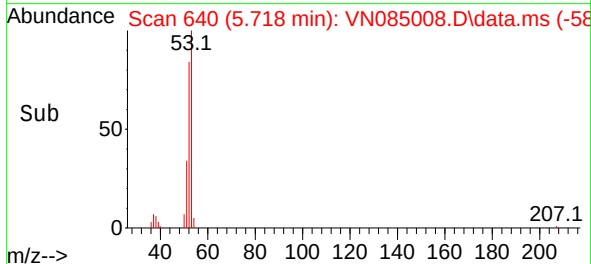
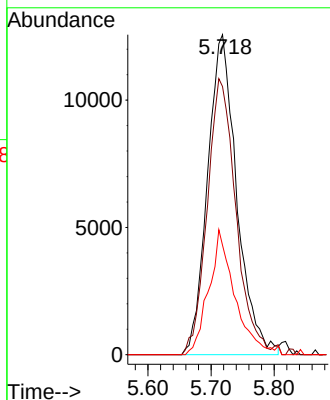
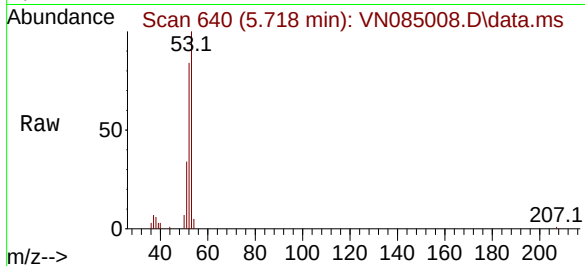




#15
Acrylonitrile
Concen: 46.525 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

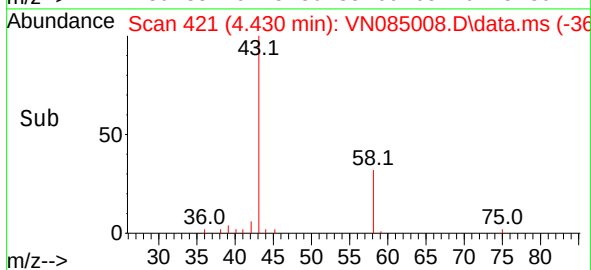
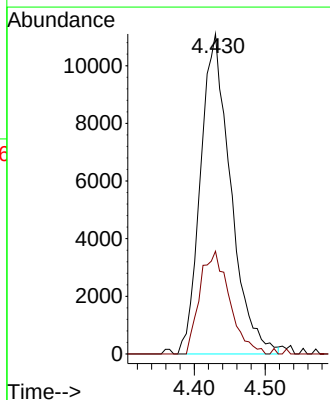
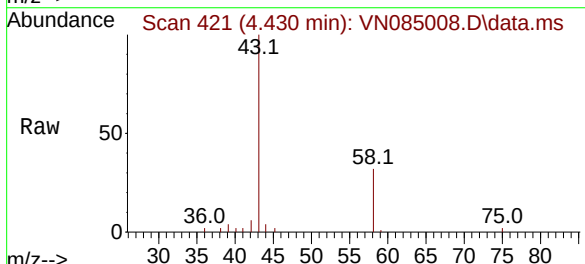
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

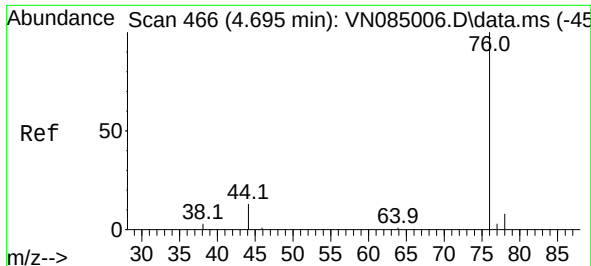
Tgt Ion: 53	Resp: 40469
Ion Ratio	Lower Upper
53	100
52	84.5 65.5 98.3
51	35.0 28.4 42.6



#16
Acetone
Concen: 48.900 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43	Resp: 32743
Ion Ratio	Lower Upper
43	100
58	32.1 25.4 38.2

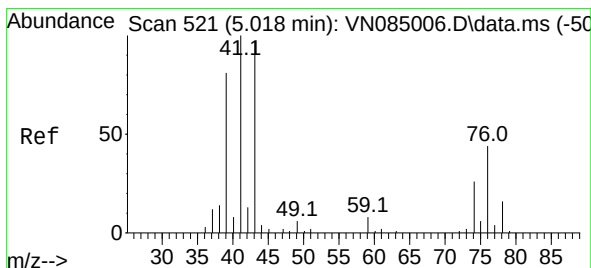
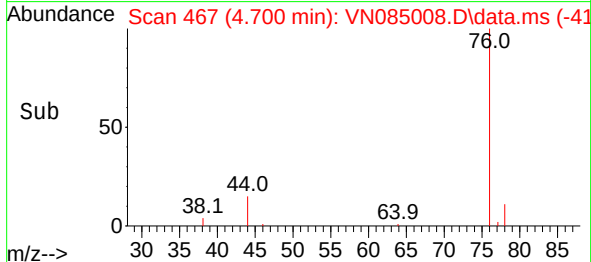
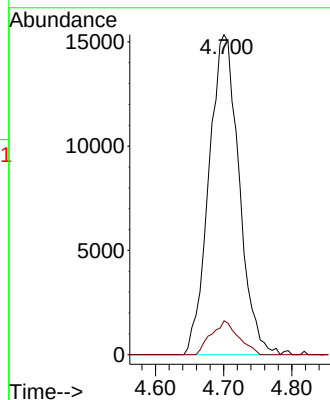
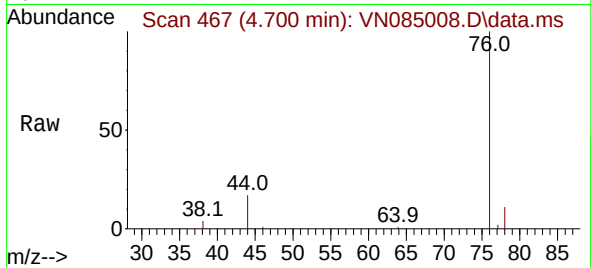




#17
Carbon Disulfide
Concen: 9.331 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

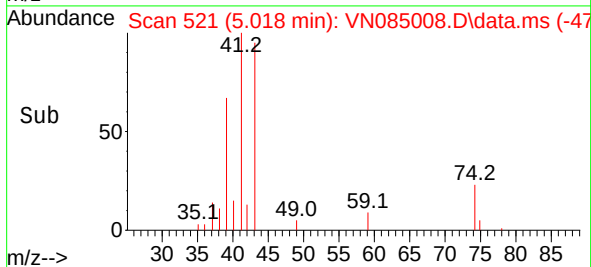
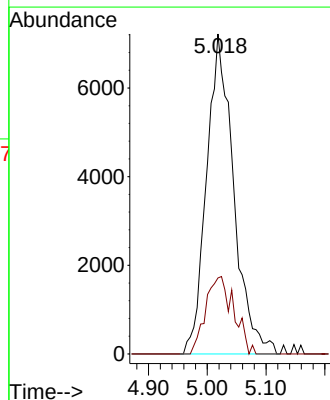
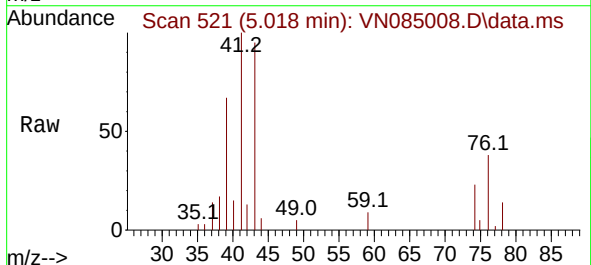
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

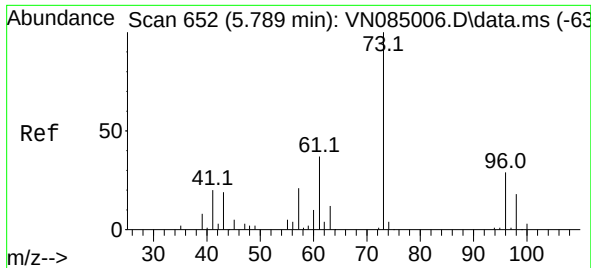
Tgt Ion: 76 Resp: 47181
Ion Ratio Lower Upper
76 100
78 10.6 6.5 9.7#



#18
Methyl Acetate
Concen: 9.856 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 23065
Ion Ratio Lower Upper
43 100
74 25.0 20.1 30.1

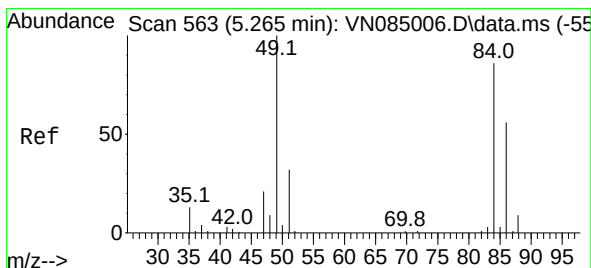
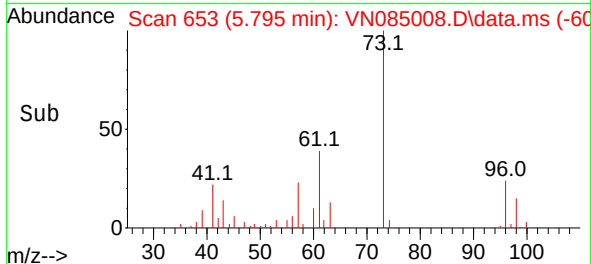
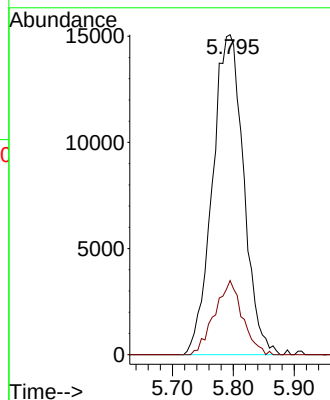
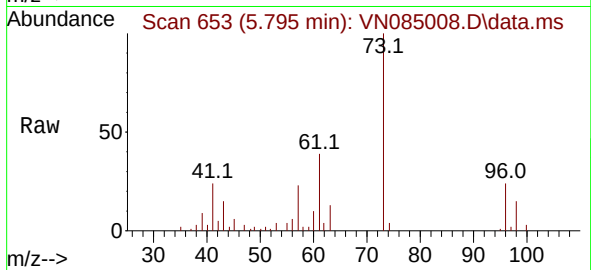




#19
Methyl tert-butyl Ether
Concen: 9.589 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

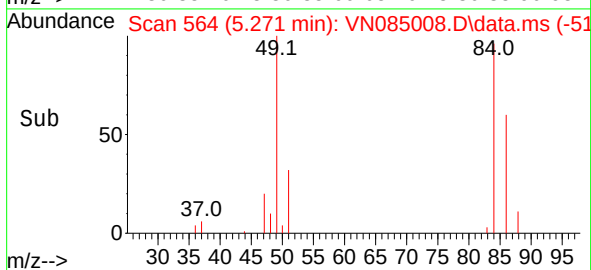
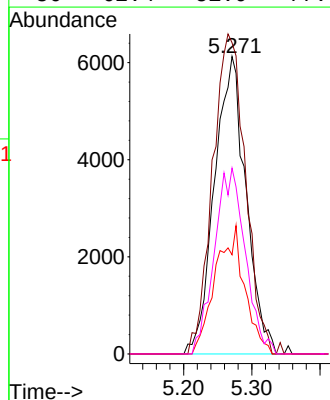
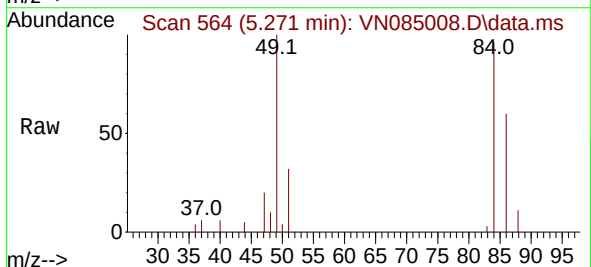
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

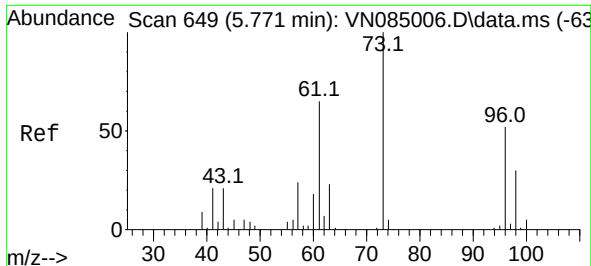
Tgt Ion: 73 Resp: 53672
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.4



#20
Methylene Chloride
Concen: 9.632 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 84 Resp: 19680
Ion Ratio Lower Upper
84 100
49 104.6 92.7 139.1
51 33.3 29.4 44.2
86 62.4 51.9 77.9

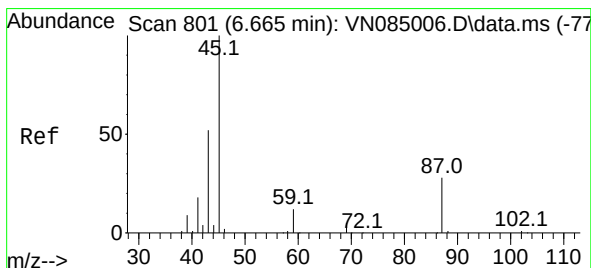
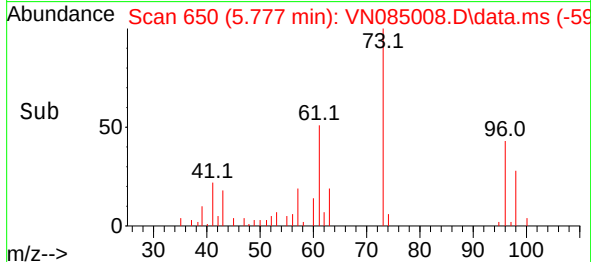
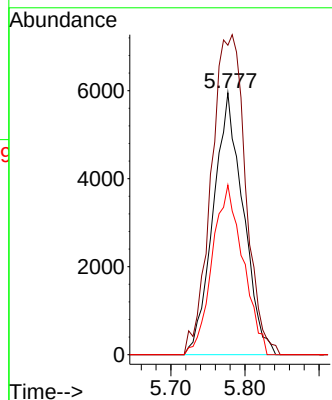
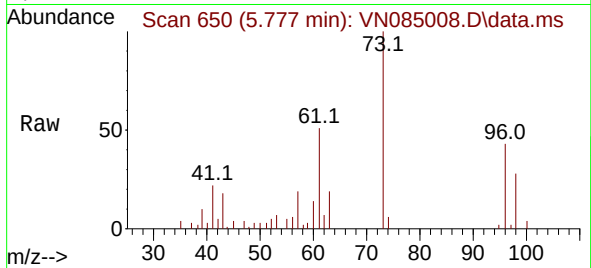




#21
trans-1,2-Dichloroethene
Concen: 9.296 ug/l
RT: 5.777 min Scan# 649
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

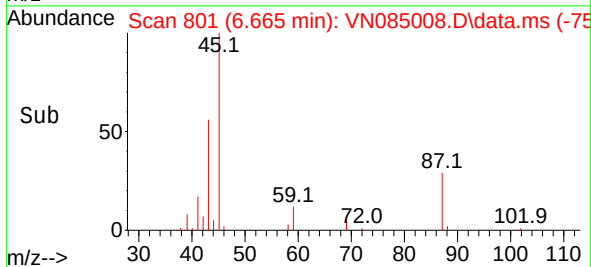
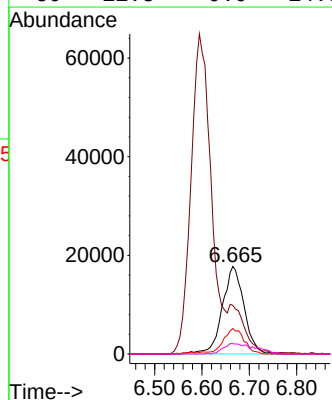
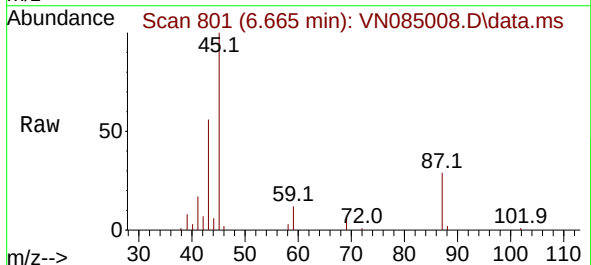
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

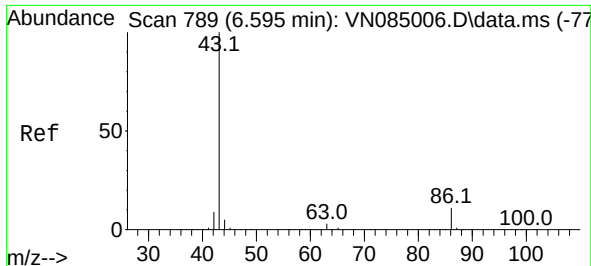
Tgt Ion: 96 Resp: 16759
Ion Ratio Lower Upper
96 100
61 118.2 100.7 151.1
98 64.8 45.8 68.6



#22
Diisopropyl ether
Concen: 9.716 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 45 Resp: 56475
Ion Ratio Lower Upper
45 100
43 53.8 42.7 64.1
87 29.0 22.6 34.0
59 11.8 9.9 14.9





#23

Vinyl Acetate

Concen: 47.962 ug/l

RT: 6.594 min Scan# 789

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

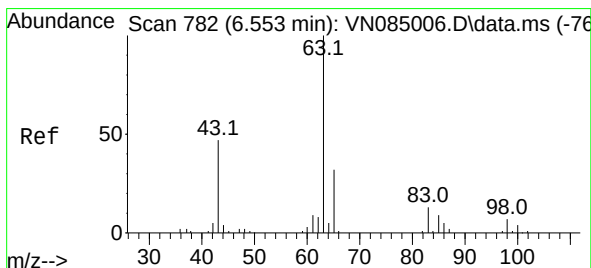
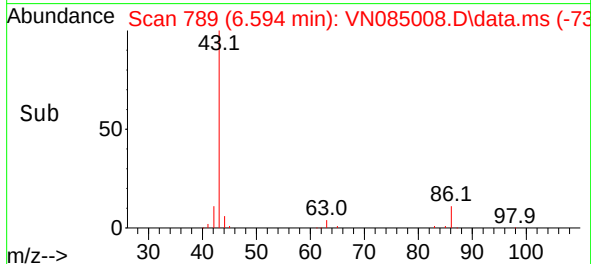
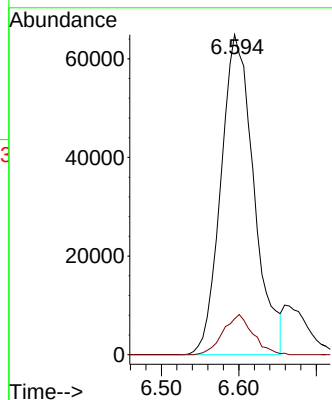
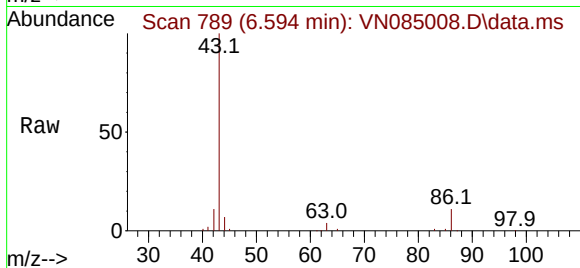
VSTDICC010

Tgt Ion: 43 Resp: 192330

Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3



#24

1,1-Dichloroethane

Concen: 9.588 ug/l

RT: 6.559 min Scan# 783

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

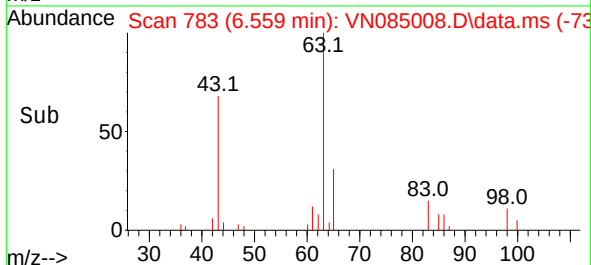
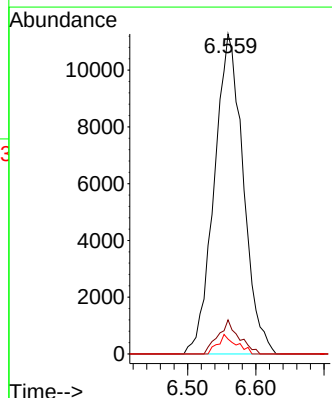
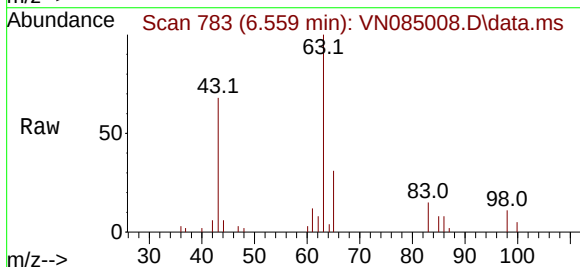
Tgt Ion: 63 Resp: 33350

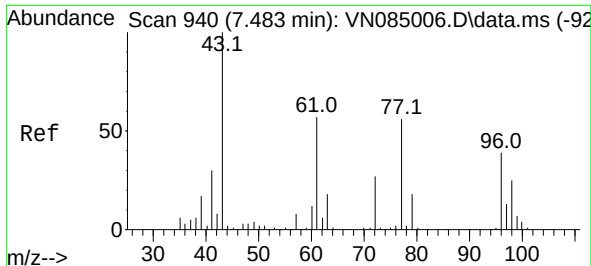
Ion Ratio Lower Upper

63 100

98 10.7 3.3 9.8#

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 46.790 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

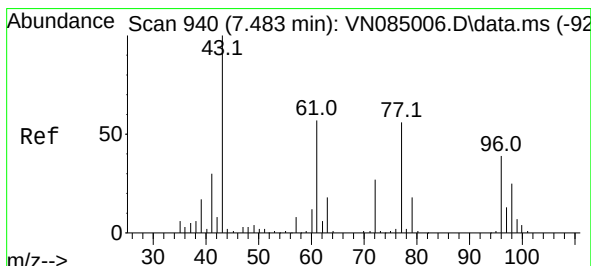
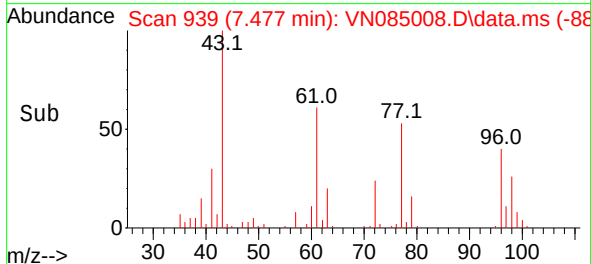
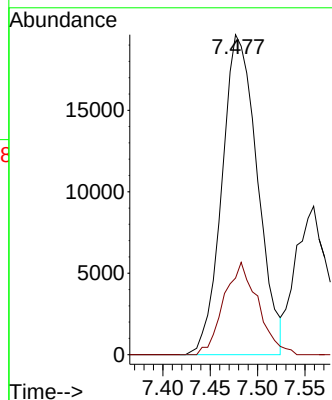
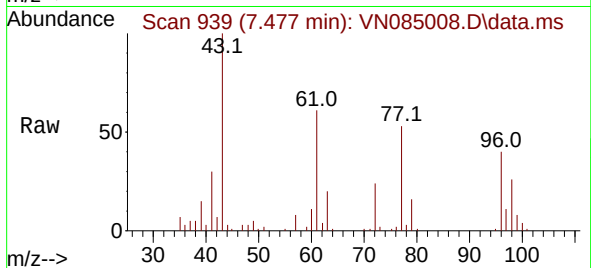
VSTDIC010

Tgt Ion: 43 Resp: 51223

Ion Ratio Lower Upper

43 100

72 24.0 21.4 32.0



#26

2,2-Dichloropropane

Concen: 9.388 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN085008.D

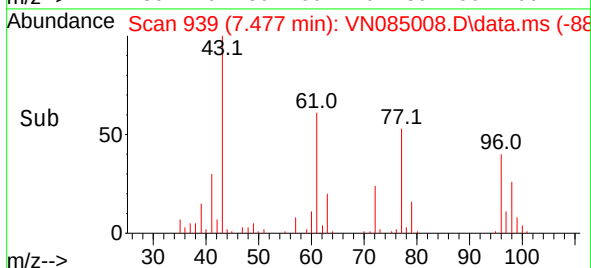
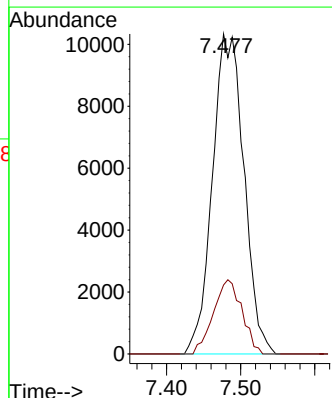
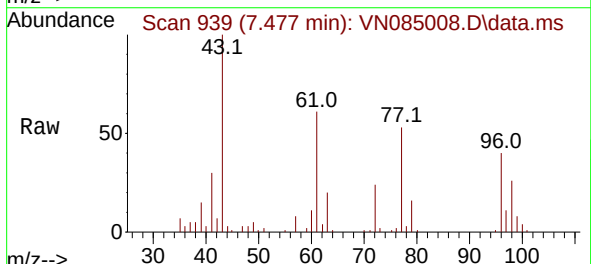
Acq: 22 Nov 2024 12:34

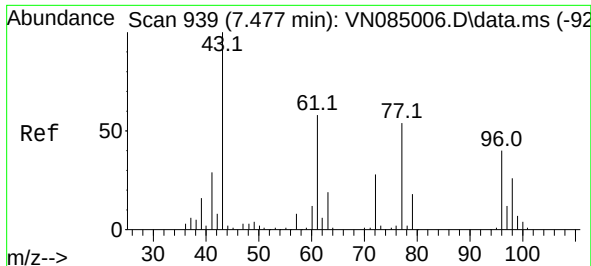
Tgt Ion: 77 Resp: 30494

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.7

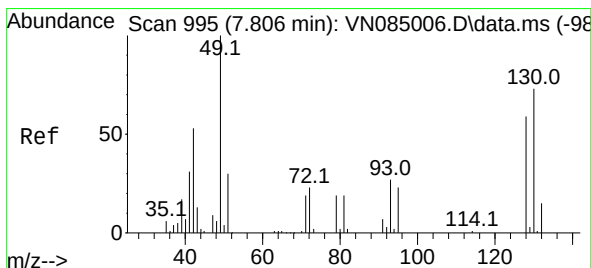
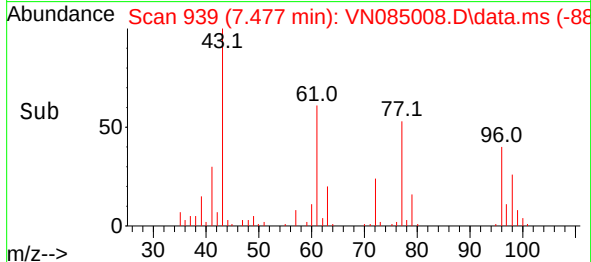
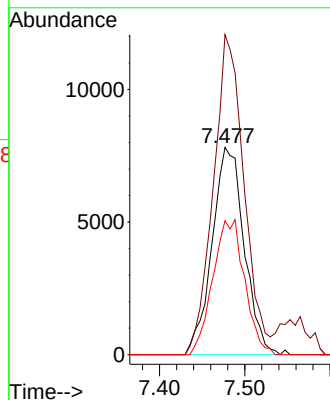
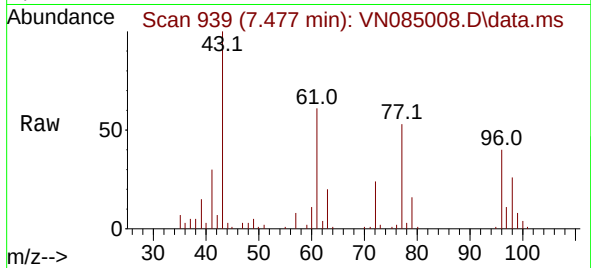




#27
 cis-1,2-Dichloroethene
 Concen: 9.418 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. -0.000 min
 Lab File: VN085008.D
 Acq: 22 Nov 2024 12:34

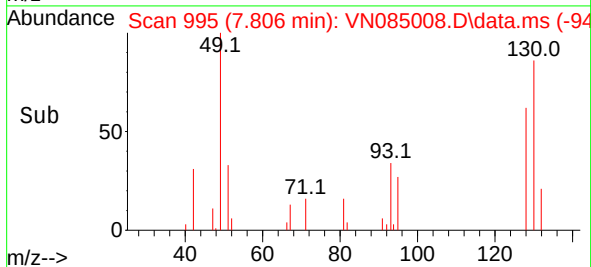
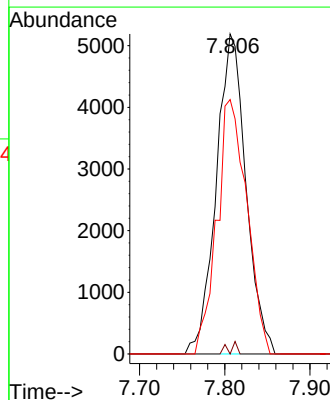
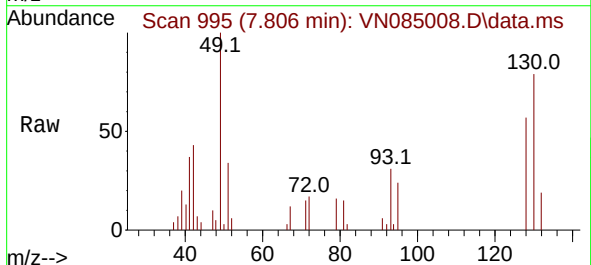
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

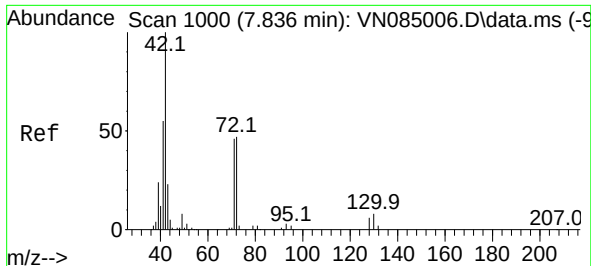
Tgt Ion: 96 Resp: 20469
 Ion Ratio Lower Upper
 96 100
 61 147.4 0.0 291.6
 98 64.5 0.0 129.8



#28
 Bromochloromethane
 Concen: 9.591 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085008.D
 Acq: 22 Nov 2024 12:34

Tgt Ion: 49 Resp: 12594
 Ion Ratio Lower Upper
 49 100
 129 0.4 0.0 4.0
 130 79.8 60.6 90.8





#29

Tetrahydrofuran

Concen: 47.294 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

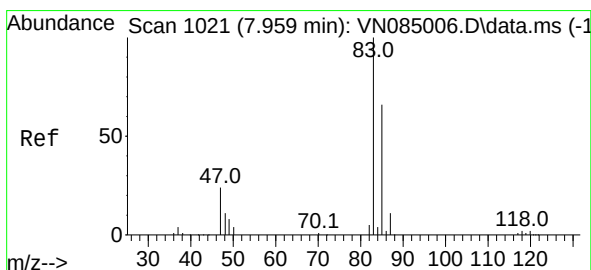
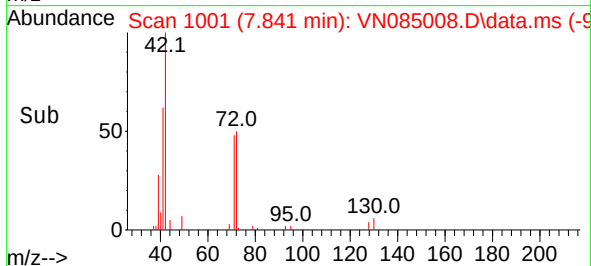
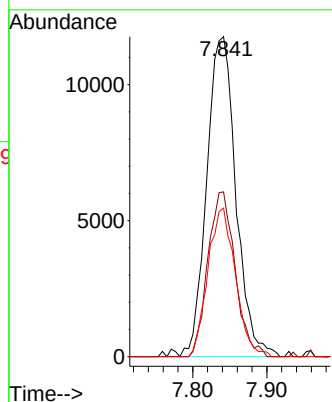
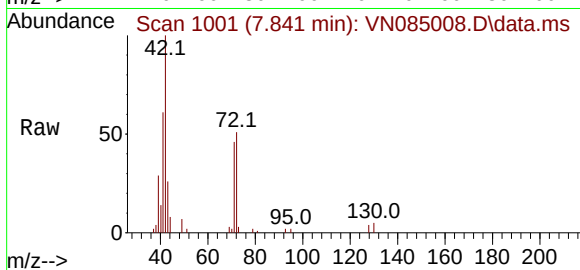
Tgt Ion: 42 Resp: 32197

Ion Ratio Lower Upper

42 100

72 47.9 37.0 55.4

71 43.8 35.0 52.4



#30

Chloroform

Concen: 9.365 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085008.D

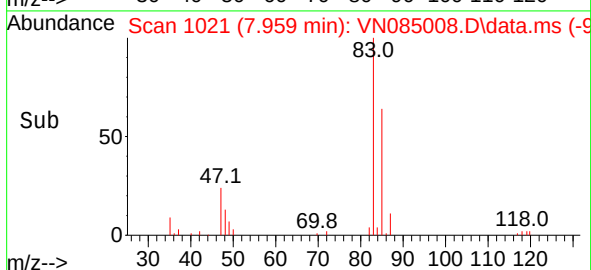
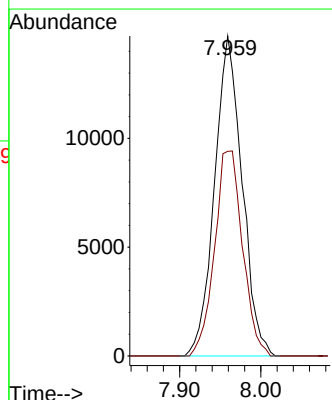
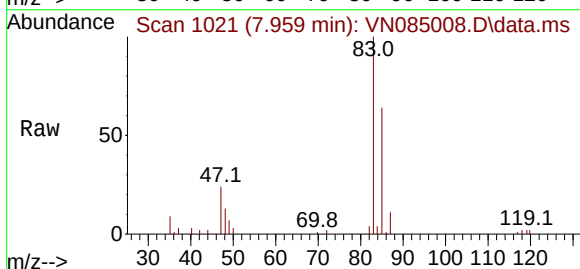
Acq: 22 Nov 2024 12:34

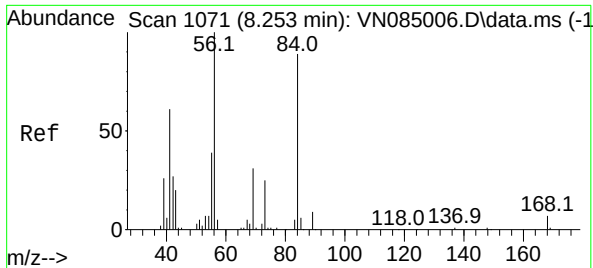
Tgt Ion: 83 Resp: 34651

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8

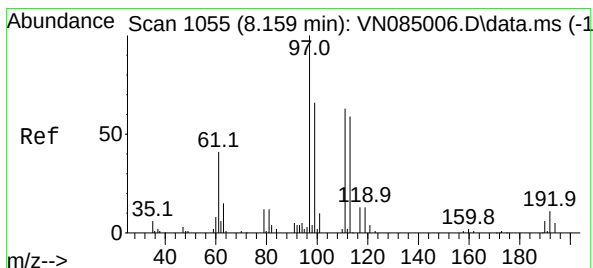
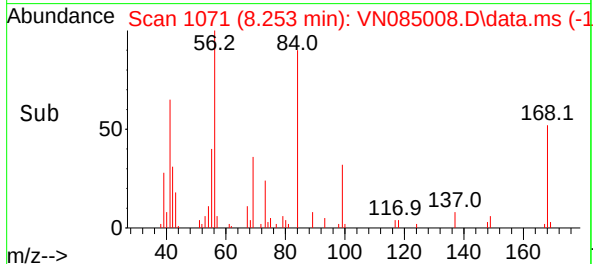
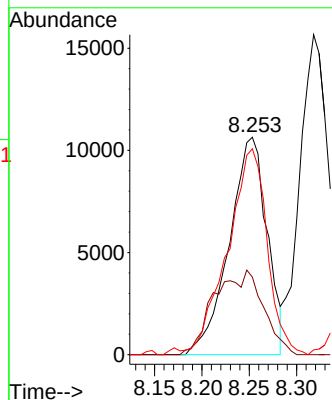
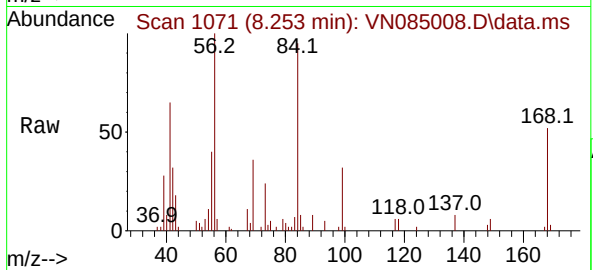




#31
Cyclohexane
Concen: 9.641 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

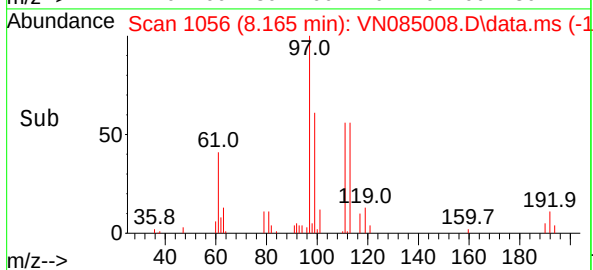
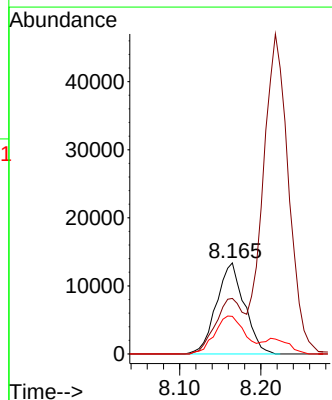
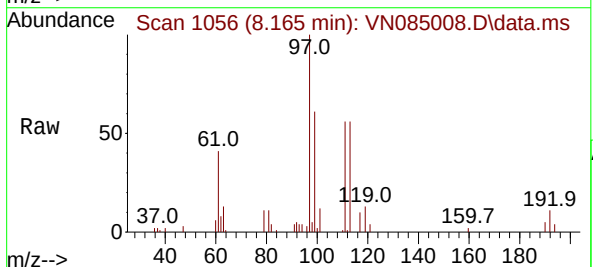
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

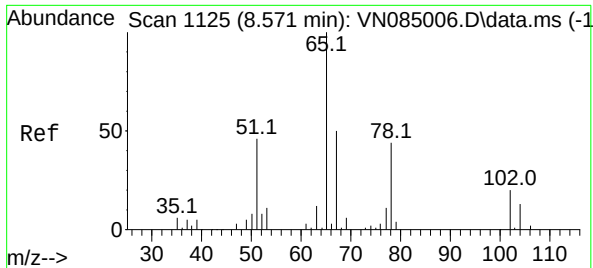
Tgt Ion: 56 Resp: 29526
Ion Ratio Lower Upper
56 100
69 35.7 24.6 36.8
84 92.9 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 9.587 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 97 Resp: 32054
Ion Ratio Lower Upper
97 100
99 61.9 51.0 76.4
61 44.6 36.2 54.2

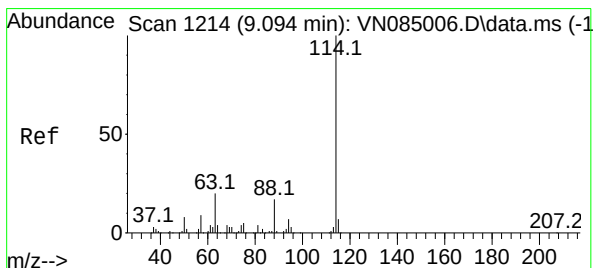
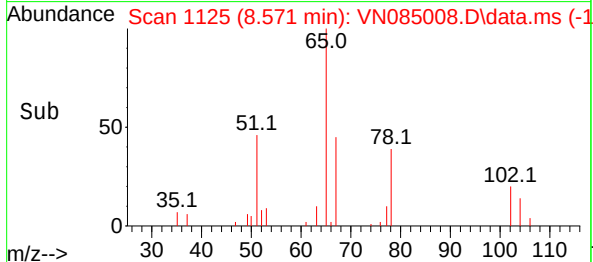
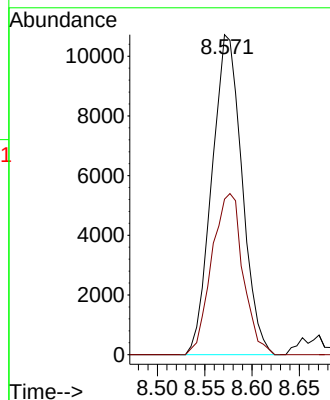
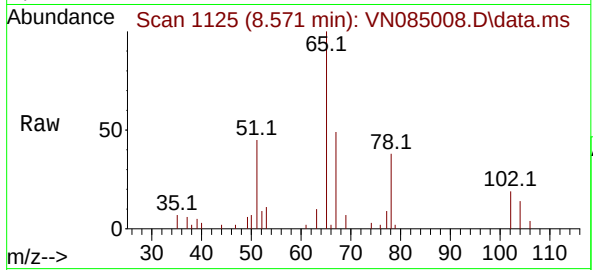




#33
1,2-Dichloroethane-d4
Concen: 10.323 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

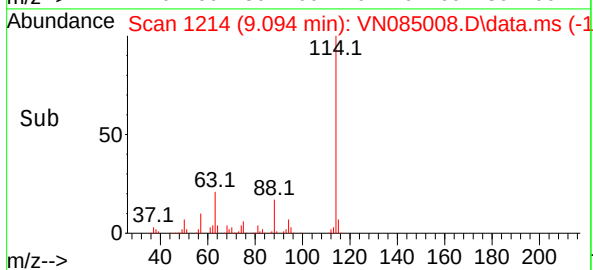
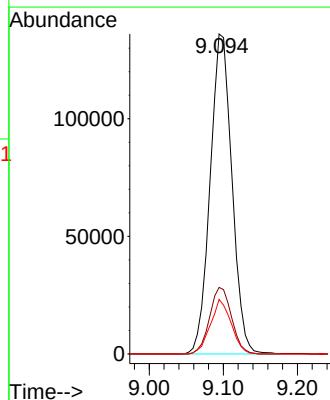
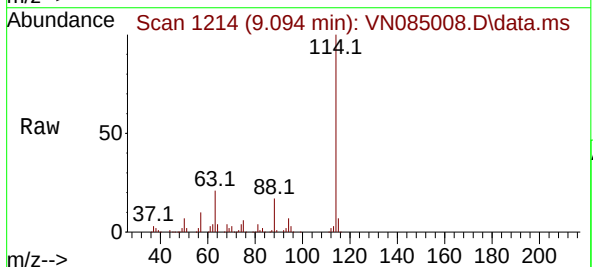
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

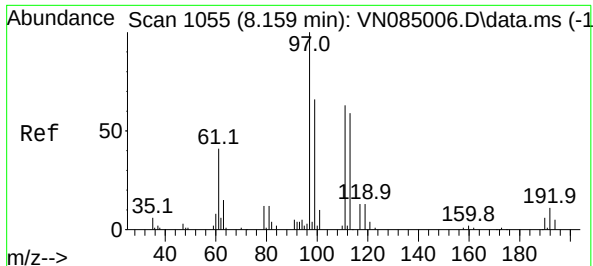
Tgt Ion: 65 Resp: 23734
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 114 Resp: 278264
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 9.801 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

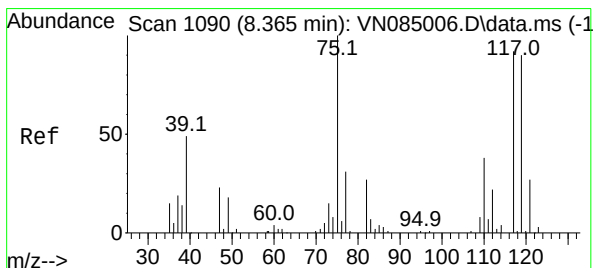
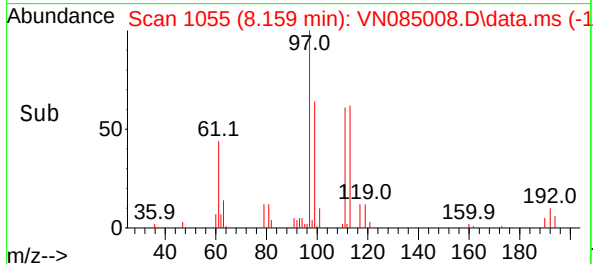
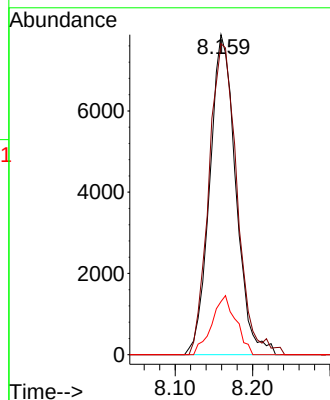
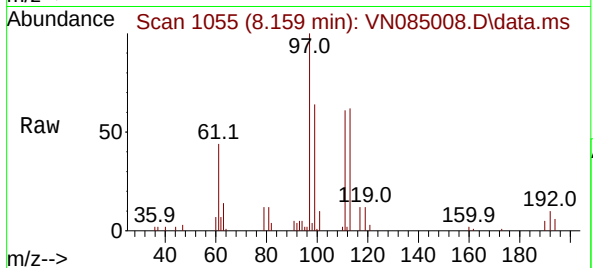
Tgt Ion:113 Resp: 18392

Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 17.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 9.130 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

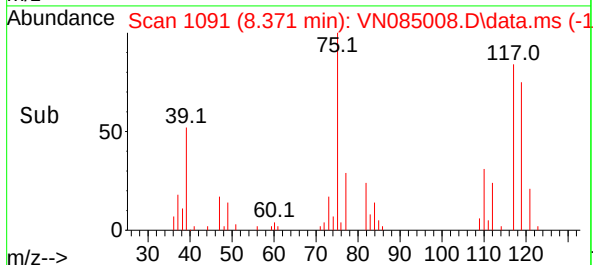
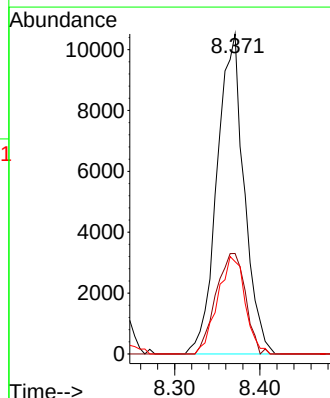
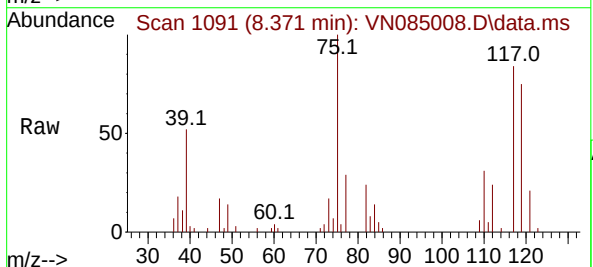
Tgt Ion: 75 Resp: 23205

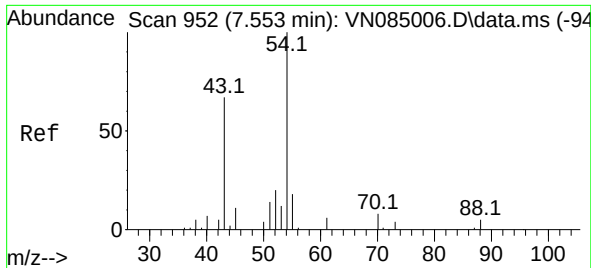
Ion Ratio Lower Upper

75 100

110 34.2 17.2 51.6

77 30.9 24.2 36.4





#37

Ethyl Acetate

Concen: 9.732 ug/l

RT: 7.559 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

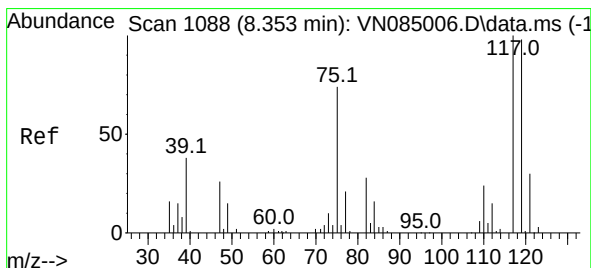
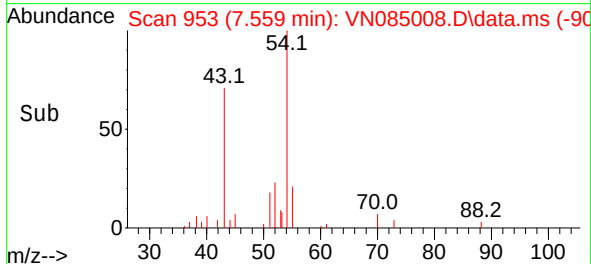
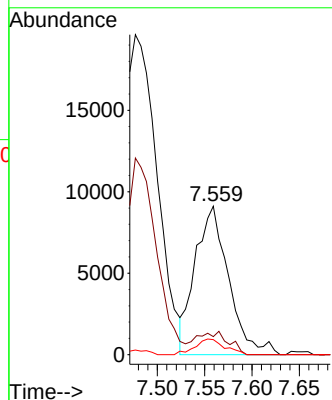
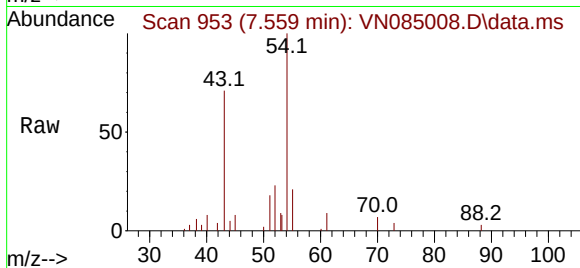
Tgt Ion: 43 Resp: 22487

Ion Ratio Lower Upper

43 100

61 14.9 11.7 17.5

70 9.2 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 9.186 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

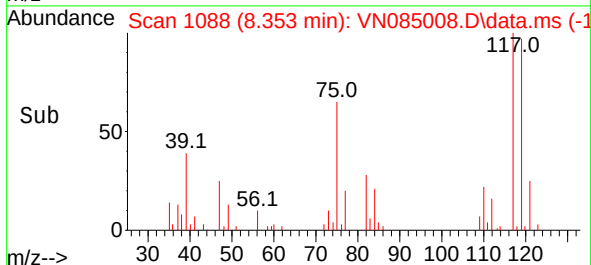
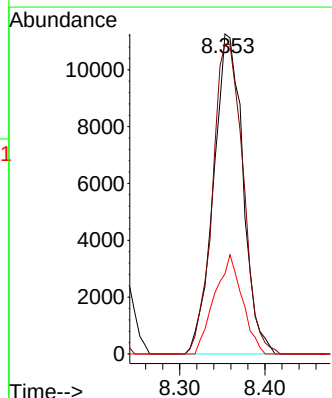
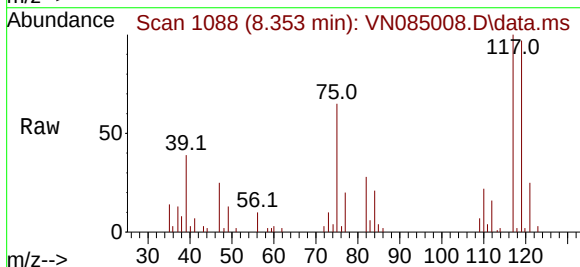
Tgt Ion: 117 Resp: 26952

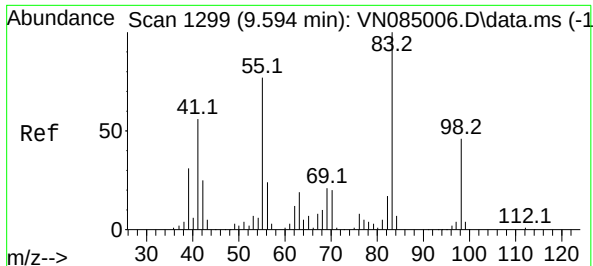
Ion Ratio Lower Upper

117 100

119 96.8 78.6 117.8

121 25.0 24.2 36.2





#39

Methylcyclohexane

Concen: 9.058 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

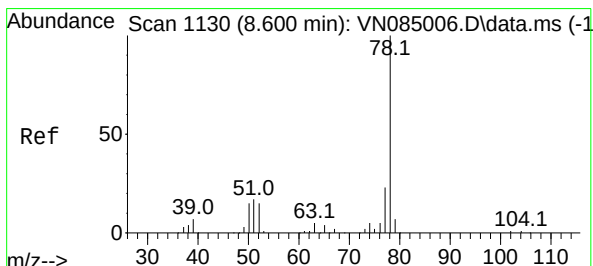
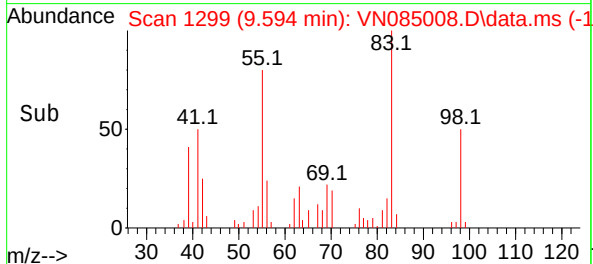
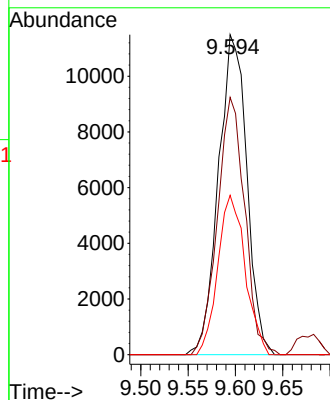
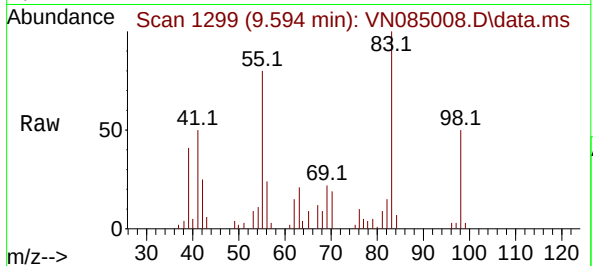
Tgt Ion: 83 Resp: 23924

Ion Ratio Lower Upper

83 100

55 80.4 61.8 92.6

98 49.8 37.0 55.6



#40

Benzene

Concen: 9.404 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085008.D

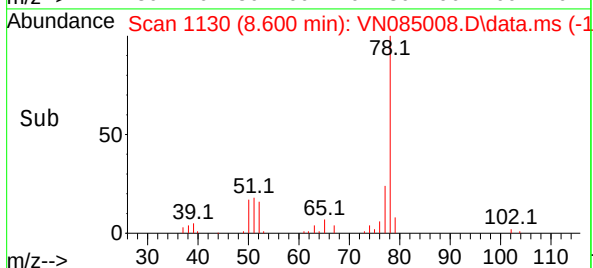
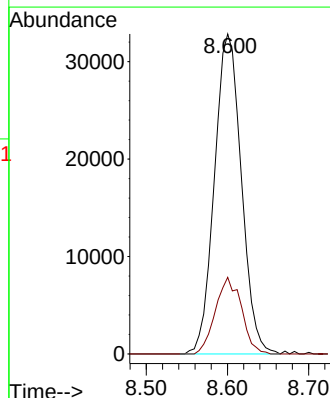
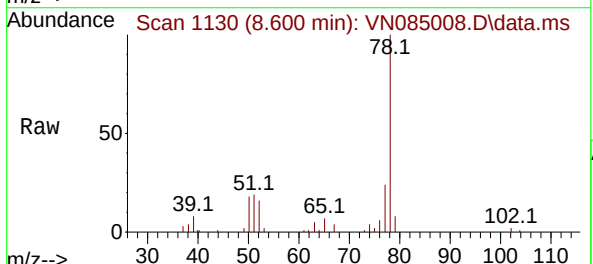
Acq: 22 Nov 2024 12:34

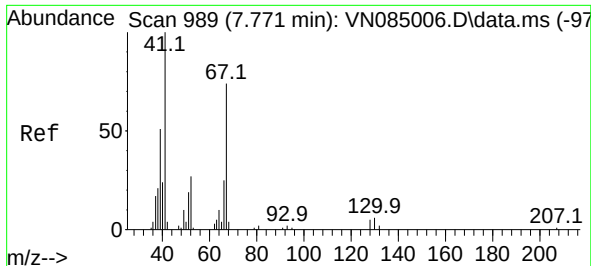
Tgt Ion: 78 Resp: 75597

Ion Ratio Lower Upper

78 100

77 24.0 18.5 27.7

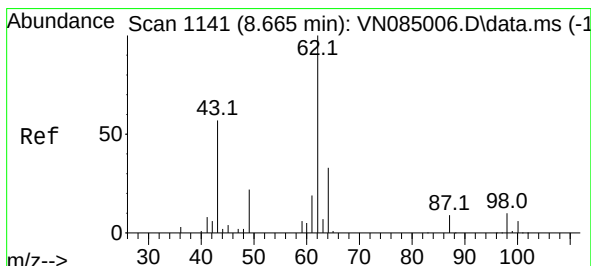
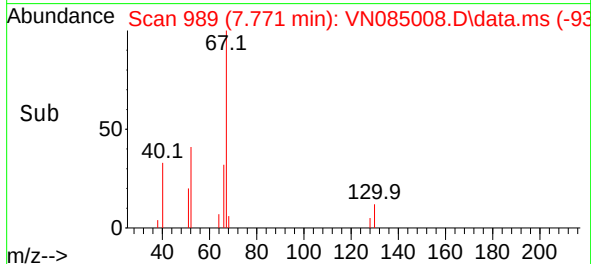
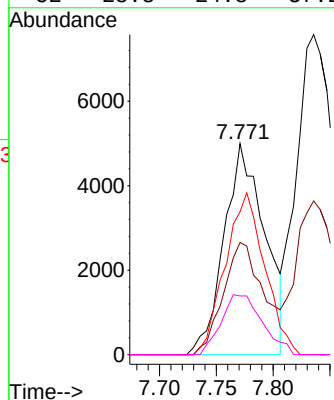
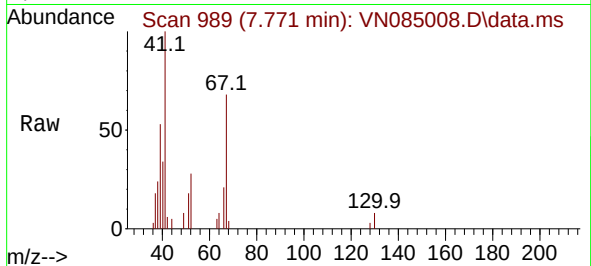




#41
Methacrylonitrile
Concen: 9.705 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

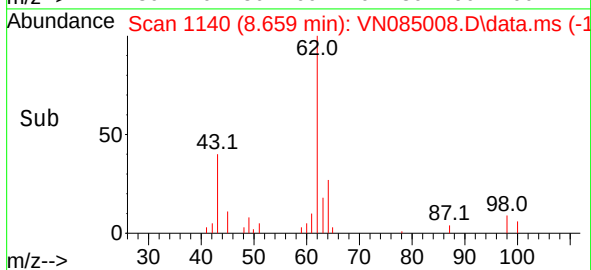
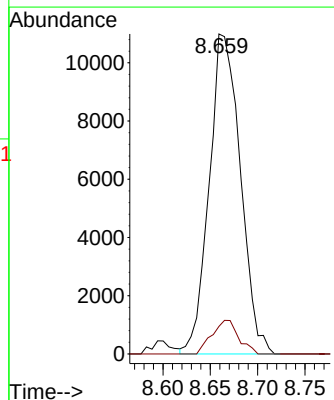
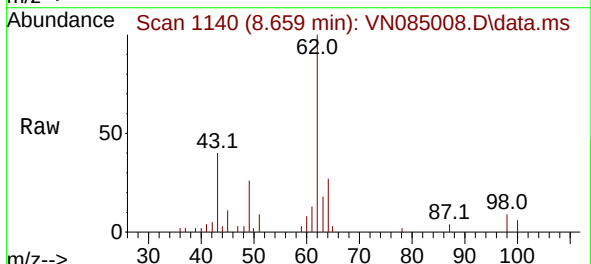
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

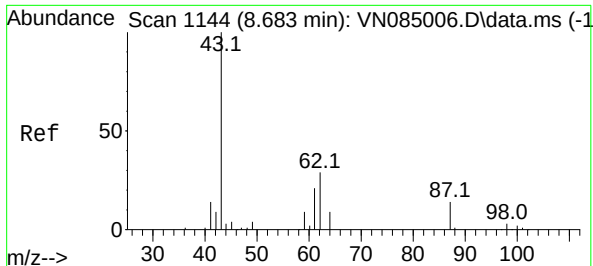
Tgt Ion:	41	Resp:	12417
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.6	63.8
67	74.5	59.9	89.9
52	28.8	24.8	37.2



#42
1,2-Dichloroethane
Concen: 9.152 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:	62	Resp:	25169
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





#43

Isopropyl Acetate

Concen: 9.108 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

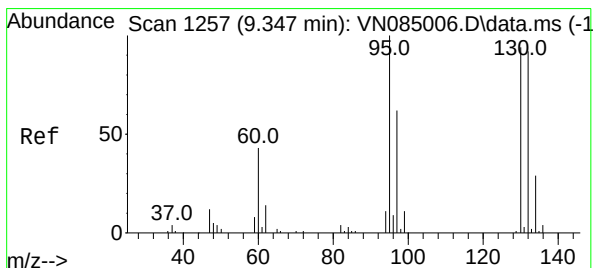
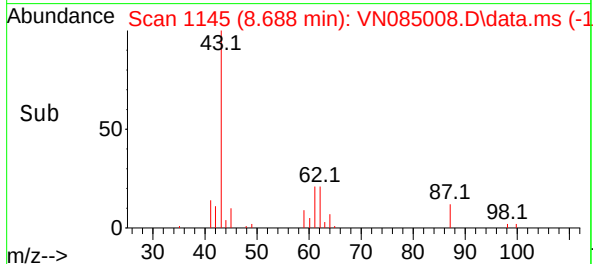
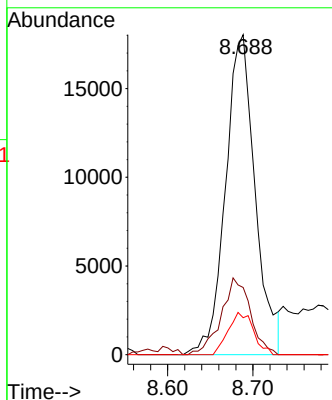
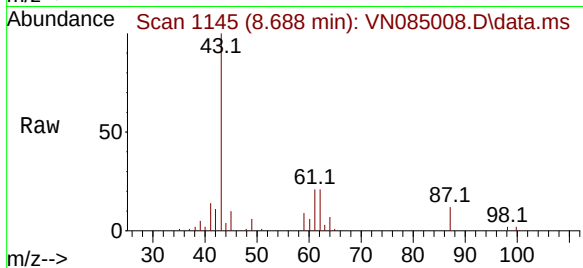
Tgt Ion: 43 Resp: 43717

Ion Ratio Lower Upper

43 100

61 23.5 20.6 30.8

87 11.2 11.0 16.4



#44

Trichloroethene

Concen: 9.547 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085008.D

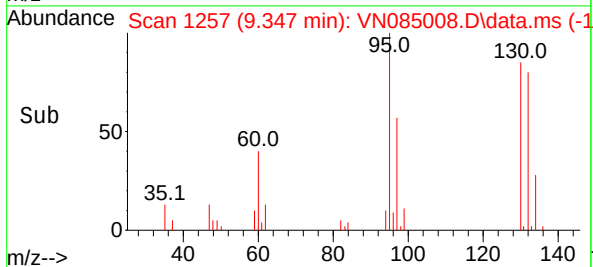
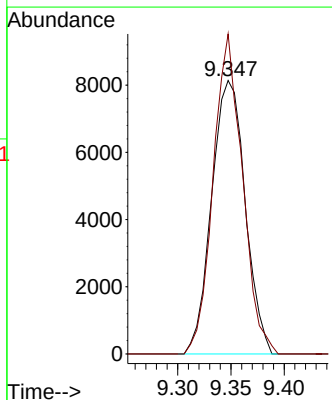
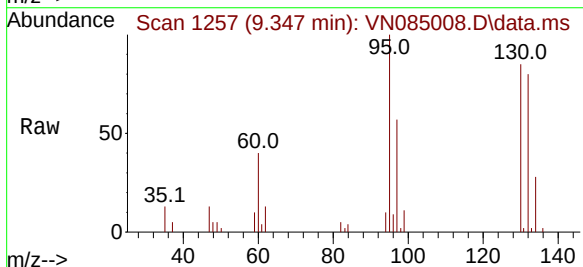
Acq: 22 Nov 2024 12:34

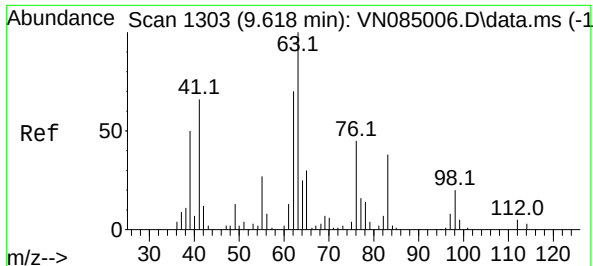
Tgt Ion:130 Resp: 17835

Ion Ratio Lower Upper

130 100

95 117.0 0.0 213.4

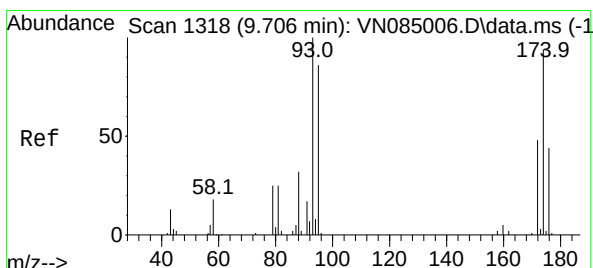
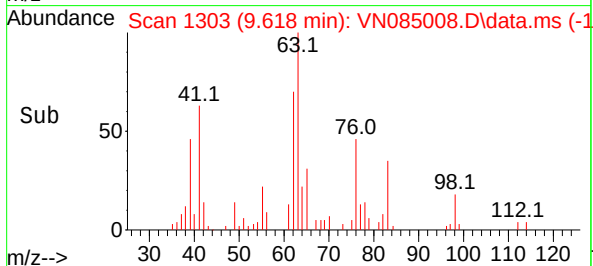
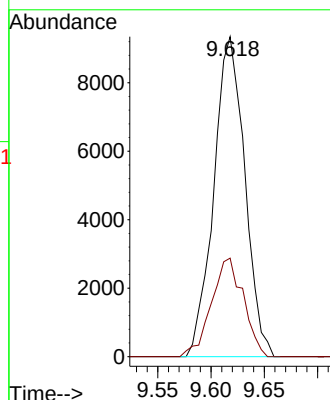
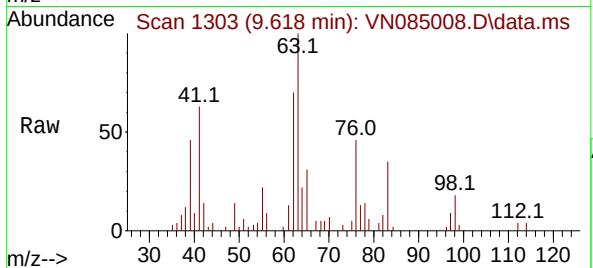




#45
1,2-Dichloropropane
Concen: 9.546 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

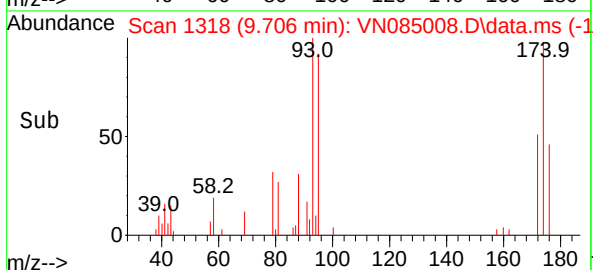
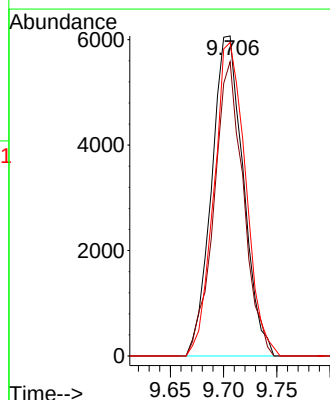
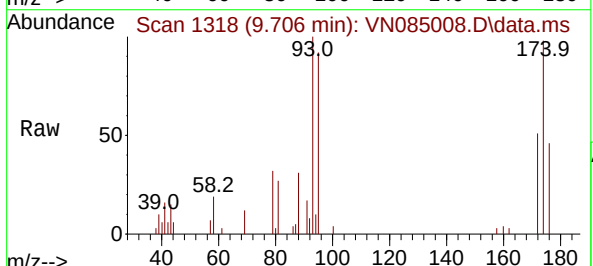
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

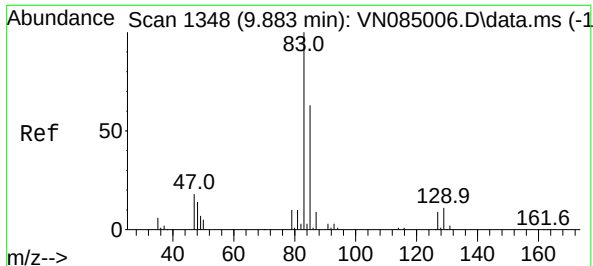
Tgt Ion: 63 Resp: 18902
Ion Ratio Lower Upper
63 100
65 30.8 24.0 36.0



#46
Dibromomethane
Concen: 9.114 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 93 Resp: 12540
Ion Ratio Lower Upper
93 100
95 85.5 66.2 99.4
174 97.5 74.9 112.3

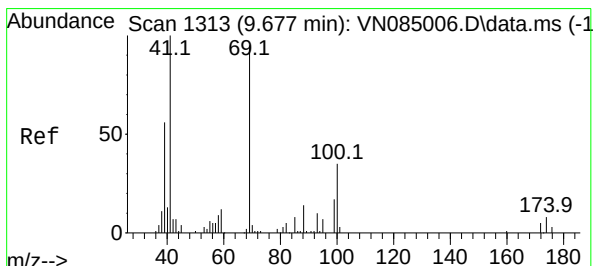
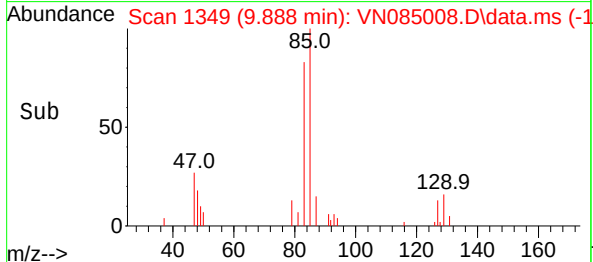
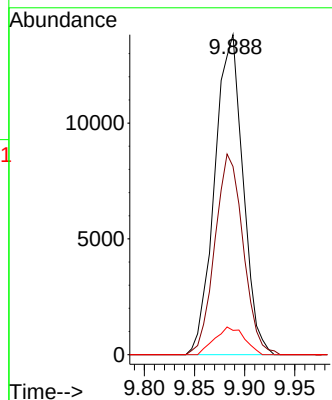
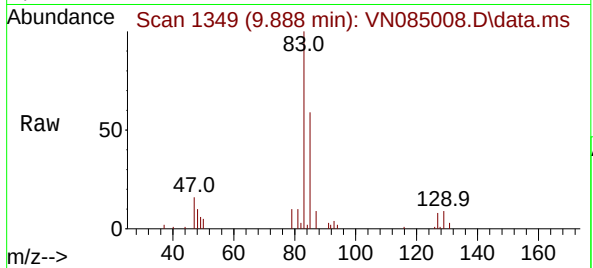




#47
Bromodichloromethane
Concen: 9.306 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

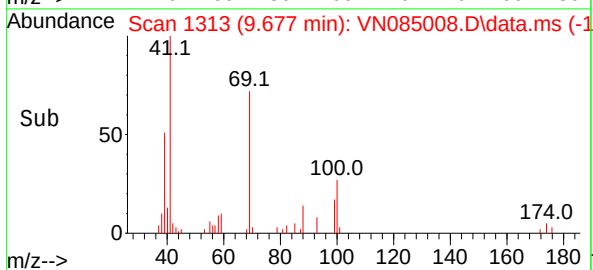
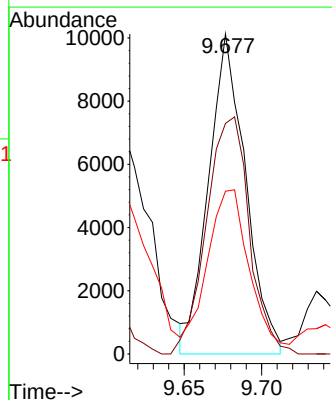
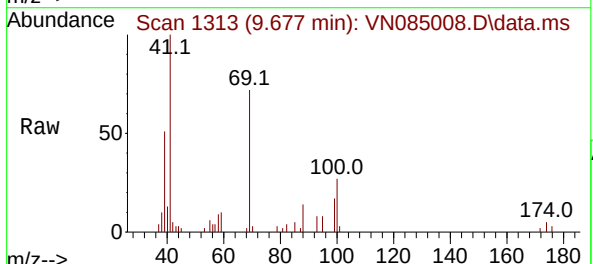
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

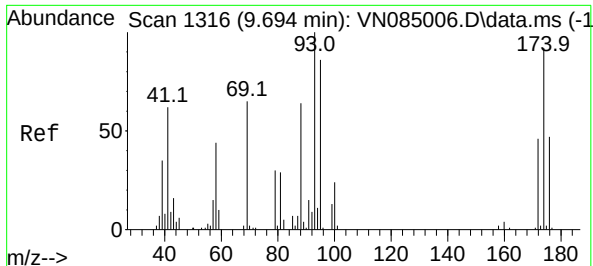
Tgt Ion: 83 Resp: 27136
Ion Ratio Lower Upper
83 100
85 58.8 50.5 75.7
127 7.6 7.1 10.7



#48
Methyl methacrylate
Concen: 9.402 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 41 Resp: 16793
Ion Ratio Lower Upper
41 100
69 85.7 73.2 109.8
39 59.4 46.2 69.4





#49

1,4-Dioxane

Concen: 205.527 ug/l

RT: 9.694 min Scan# 1463

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

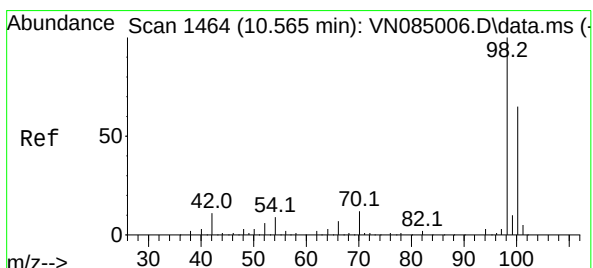
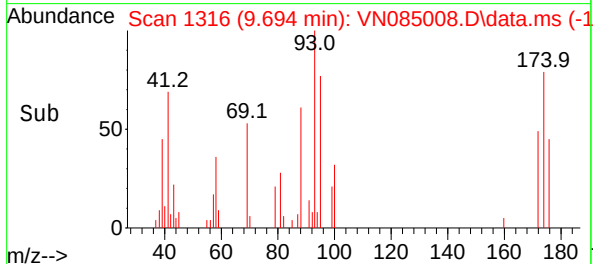
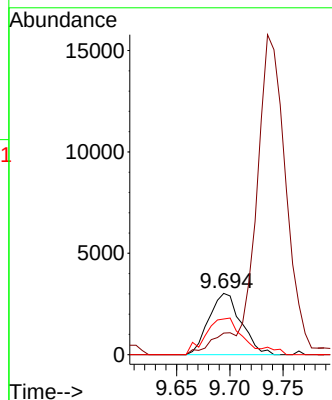
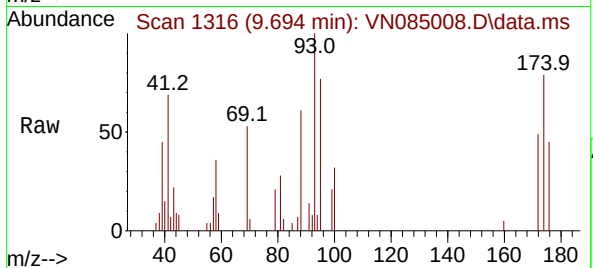
Tgt Ion: 88 Resp: 6366

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 70.8 56.5 84.7



#50

Toluene-d8

Concen: 9.614 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085008.D

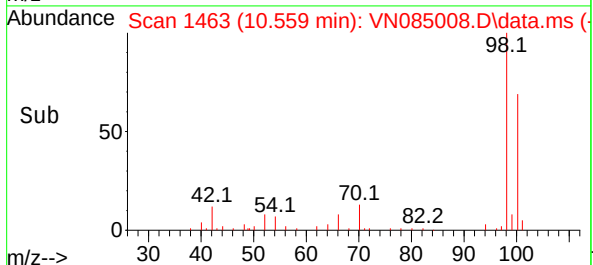
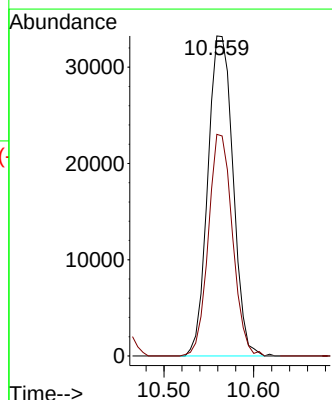
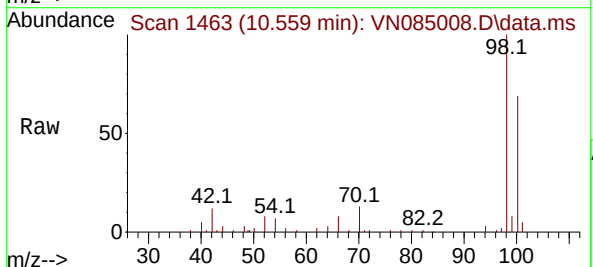
Acq: 22 Nov 2024 12:34

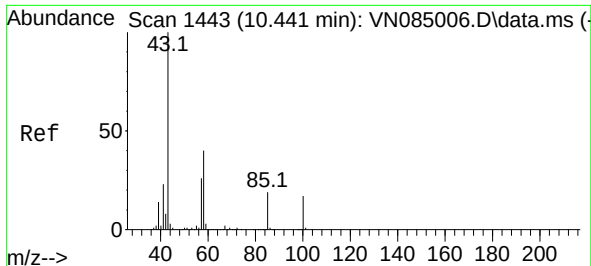
Tgt Ion: 98 Resp: 64656

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7

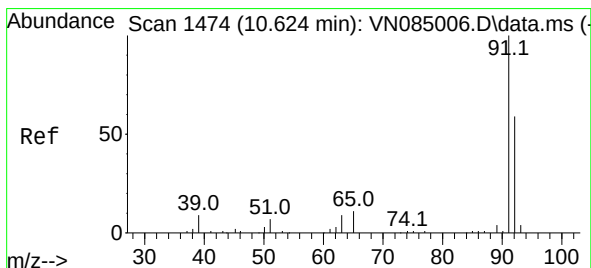
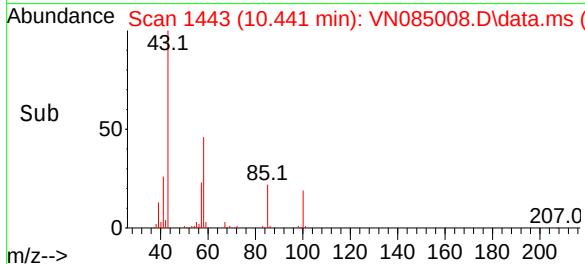
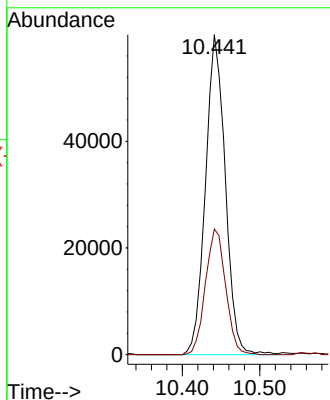
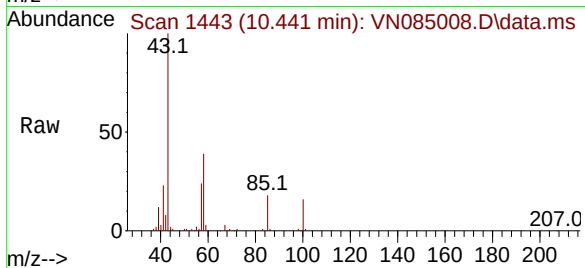




#51
4-Methyl-2-Pentanone
Concen: 48.544 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

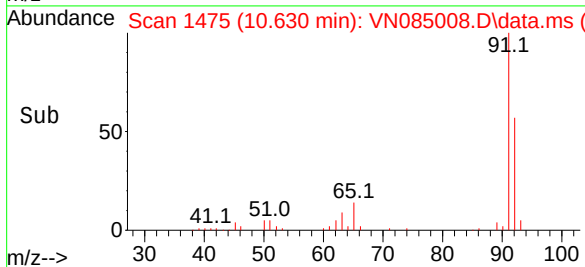
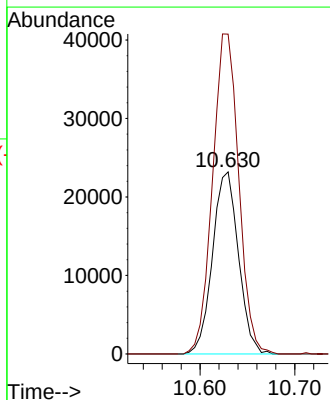
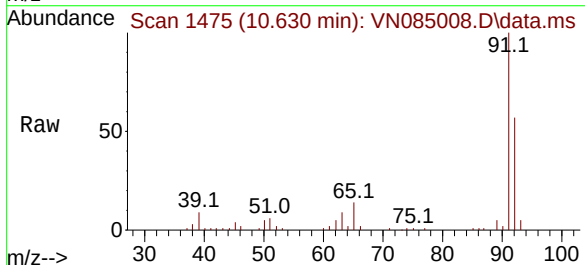
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

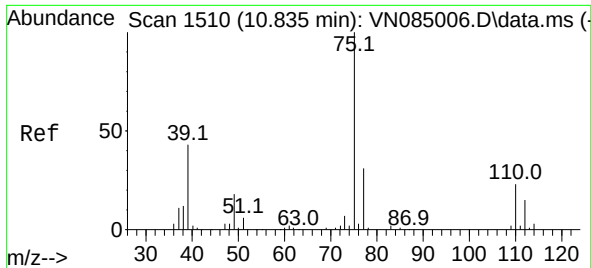
Tgt Ion: 43 Resp: 106422
Ion Ratio Lower Upper
43 100
58 40.1 32.1 48.1



#52
Toluene
Concen: 9.261 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 92 Resp: 44072
Ion Ratio Lower Upper
92 100
91 177.5 136.7 205.1

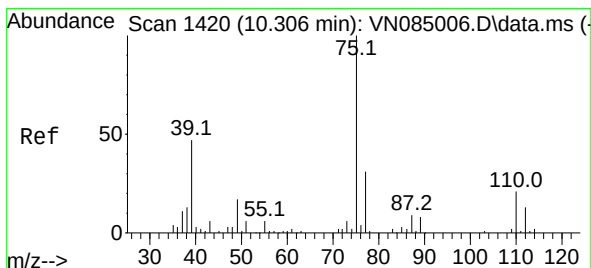
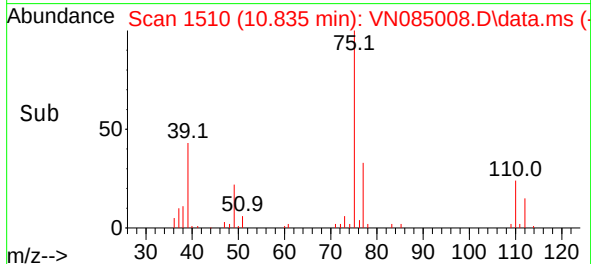
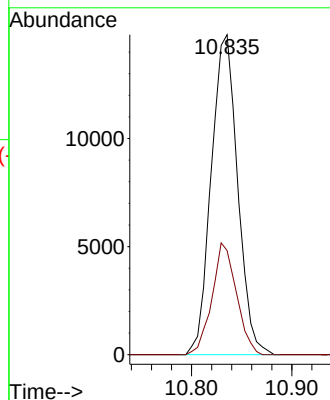
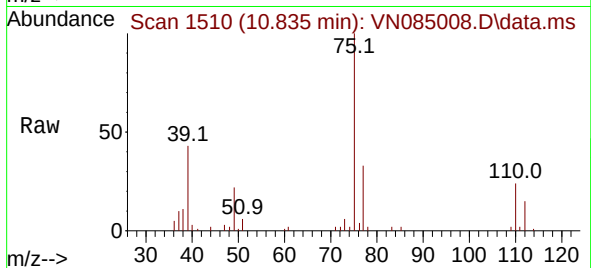




#53
t-1,3-Dichloropropene
Concen: 9.249 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

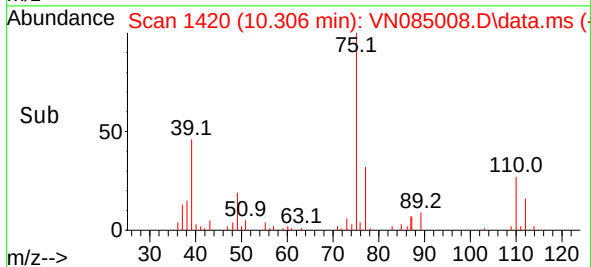
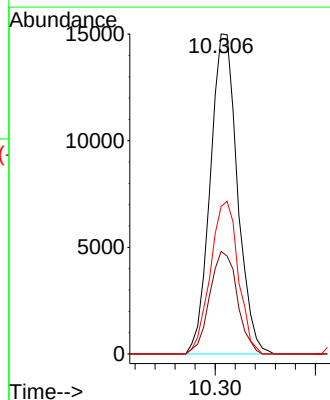
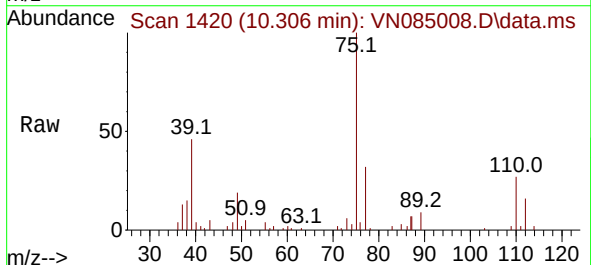
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

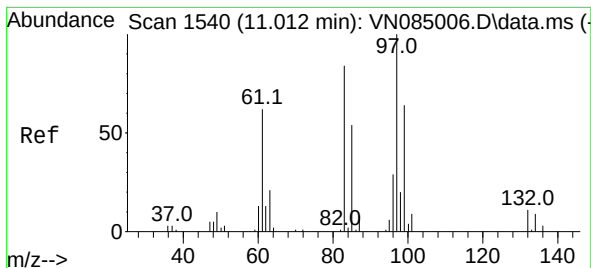
Tgt Ion: 75 Resp: 27040
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 9.087 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 28183
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 46.1 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 9.871 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 17498

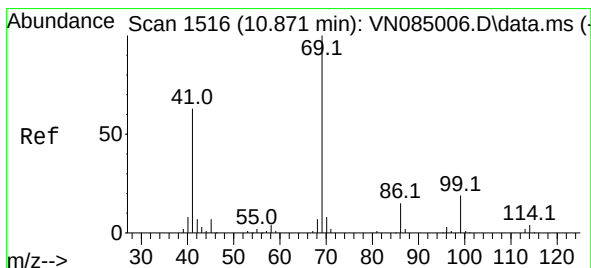
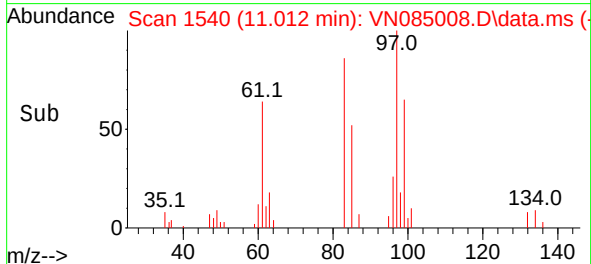
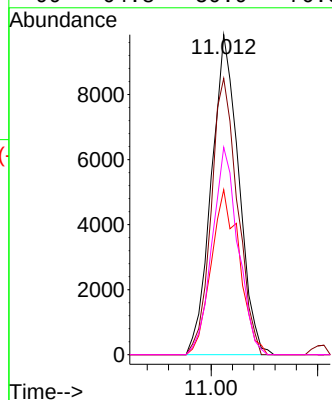
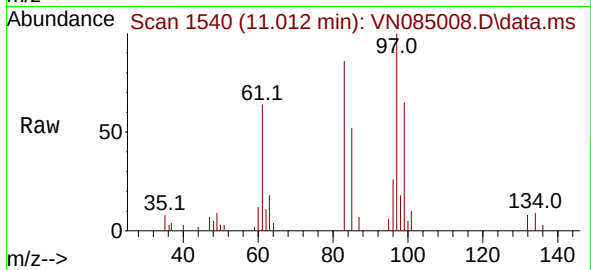
Ion Ratio Lower Upper

97 100

83 86.4 67.4 101.2

85 51.5 43.1 64.7

99 64.8 50.9 76.3



#56

Ethyl methacrylate

Concen: 9.385 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

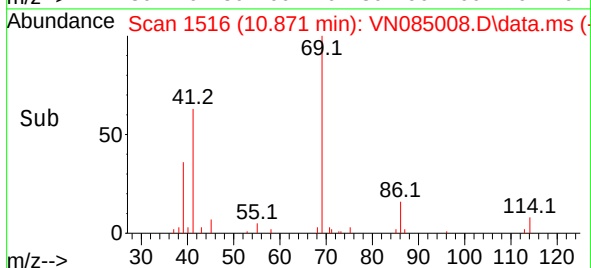
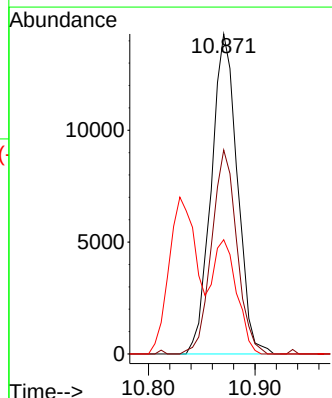
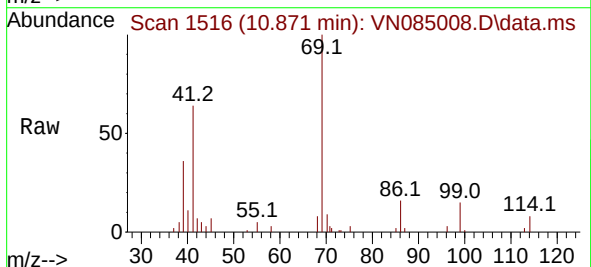
Tgt Ion: 69 Resp: 24309

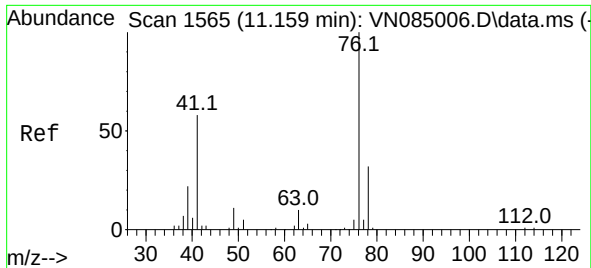
Ion Ratio Lower Upper

69 100

41 61.7 50.0 75.0

39 33.1 27.0 40.6





#57

1,3-Dichloropropane

Concen: 9.378 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

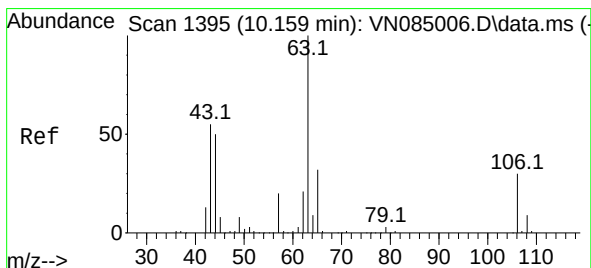
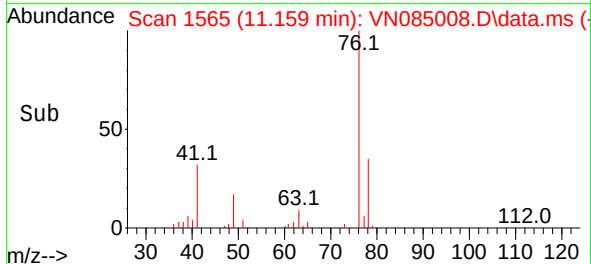
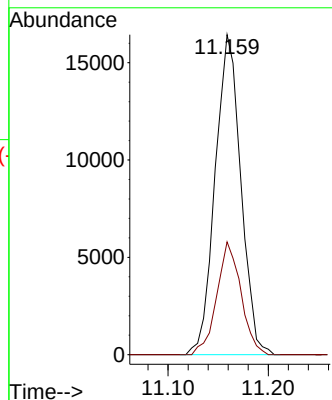
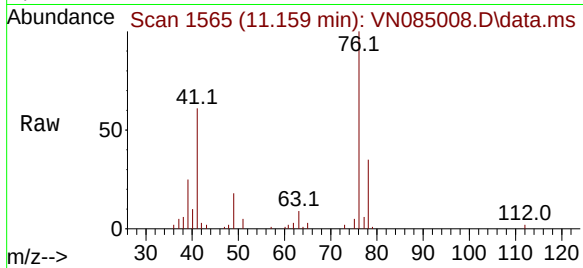
VSTDIC010

Tgt Ion: 76 Resp: 29257

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 48.207 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN085008.D

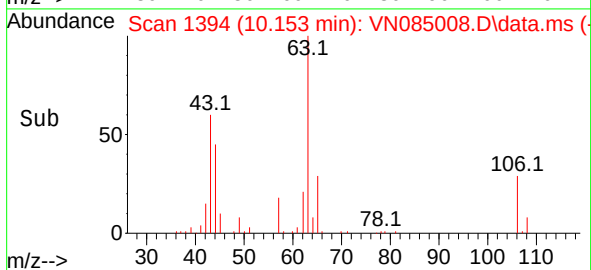
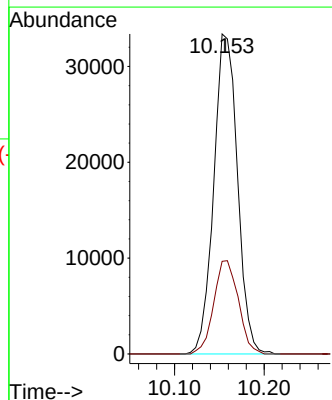
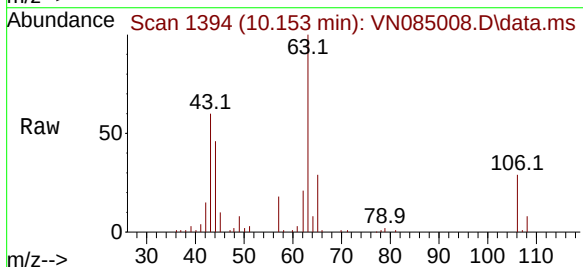
Acq: 22 Nov 2024 12:34

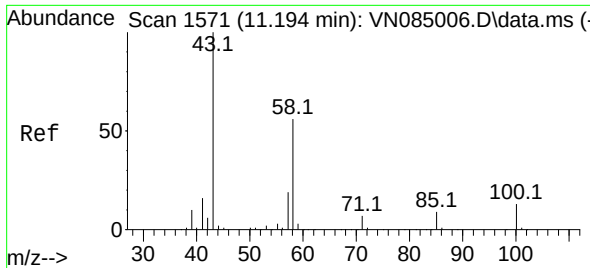
Tgt Ion: 63 Resp: 61252

Ion Ratio Lower Upper

63 100

106 30.3 23.0 34.6

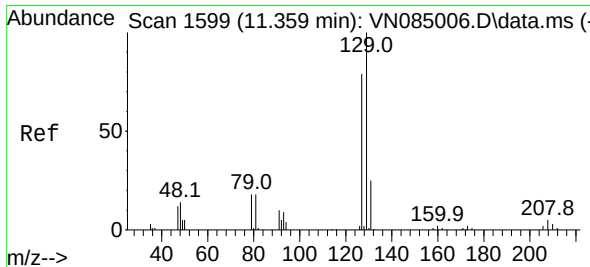
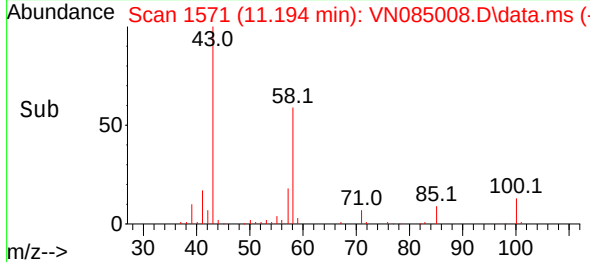
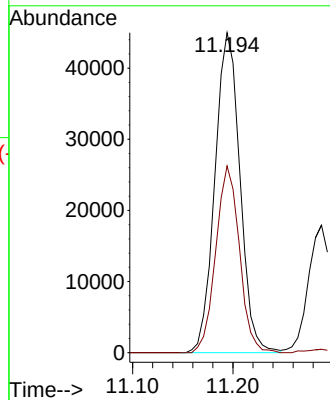
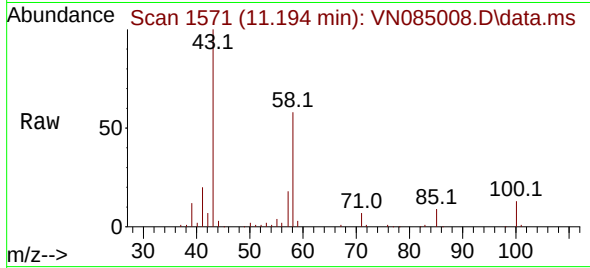




#59
2-Hexanone
Concen: 47.542 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

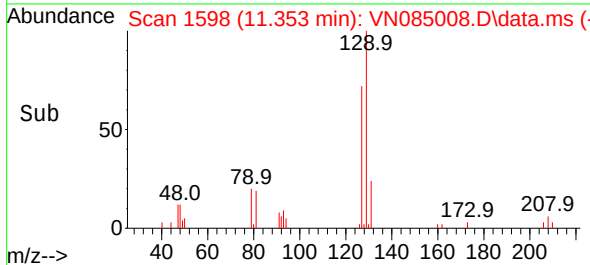
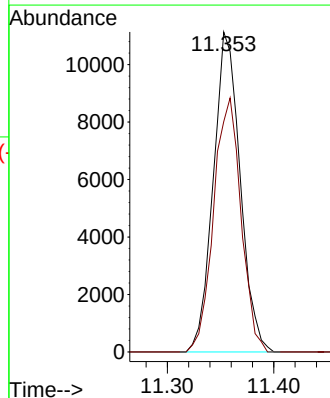
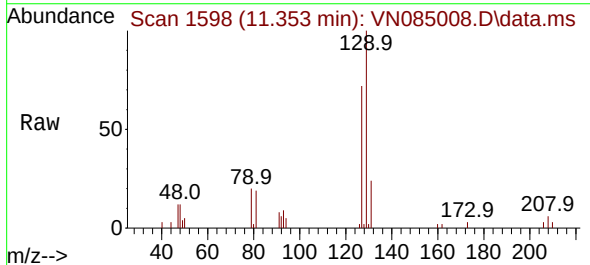
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

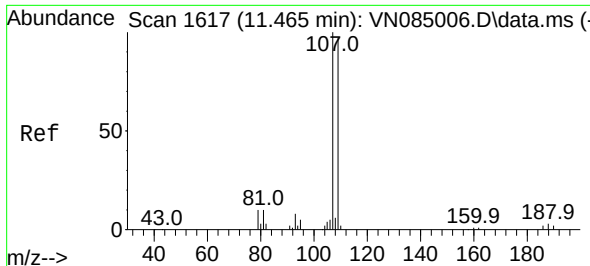
Tgt Ion: 43 Resp: 77951
Ion Ratio Lower Upper
43 100
58 55.0 28.3 85.0



#60
Dibromochloromethane
Concen: 8.991 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:129 Resp: 19478
Ion Ratio Lower Upper
129 100
127 80.8 39.2 117.6

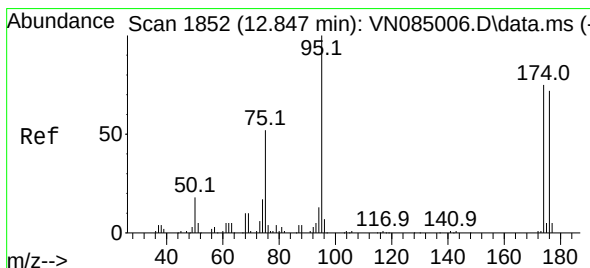
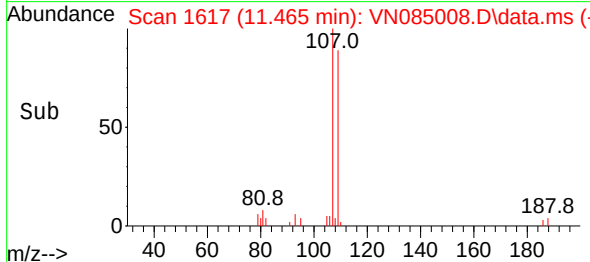
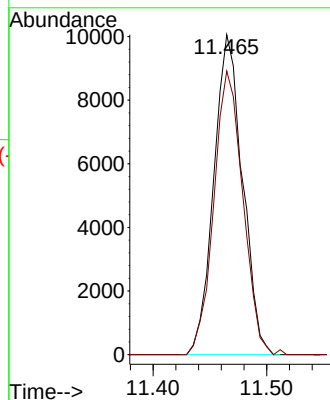
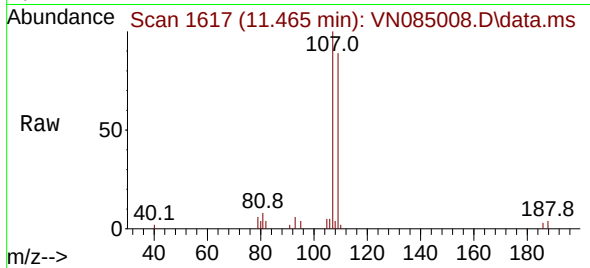




#61
1,2-Dibromoethane
Concen: 9.633 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

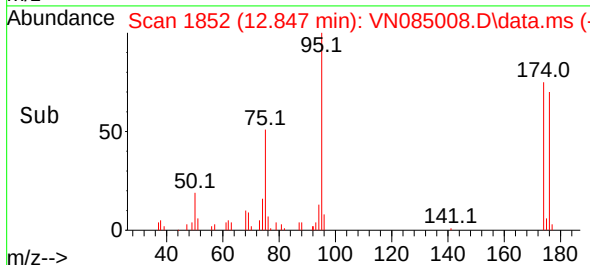
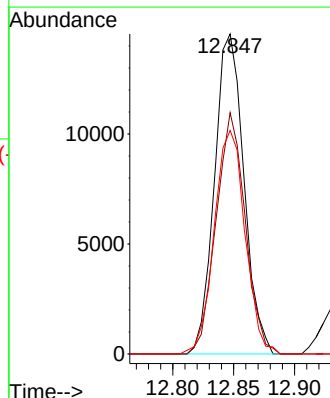
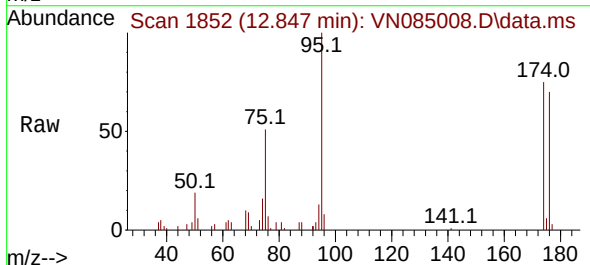
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

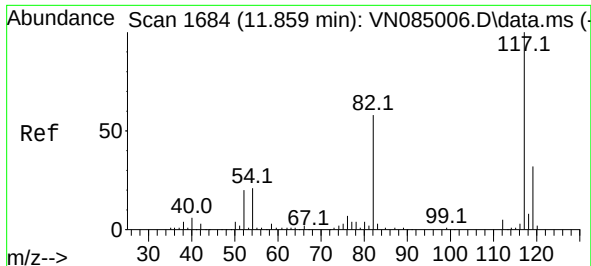
Tgt Ion:107 Resp: 17673
Ion Ratio Lower Upper
107 100
109 89.8 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 9.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 95 Resp: 24371
Ion Ratio Lower Upper
95 100
174 74.7 0.0 146.6
176 73.3 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

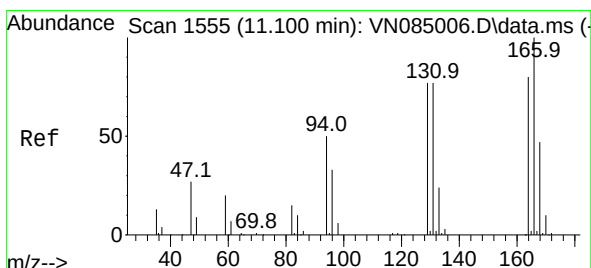
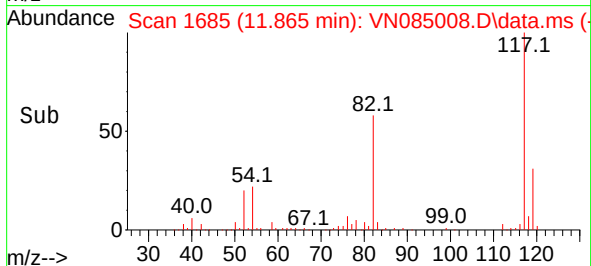
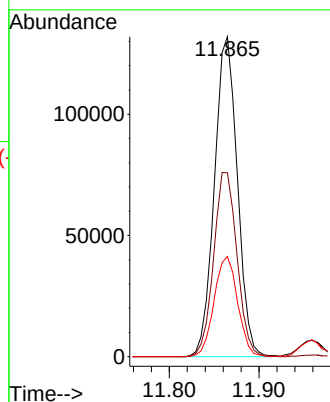
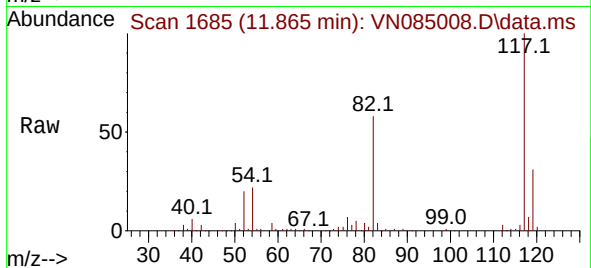
Tgt Ion:117 Resp: 234609

Ion Ratio Lower Upper

117 100

82 57.5 46.0 69.0

119 31.3 25.6 38.4



#64

Tetrachloroethene

Concen: 9.547 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion:164 Resp: 15092

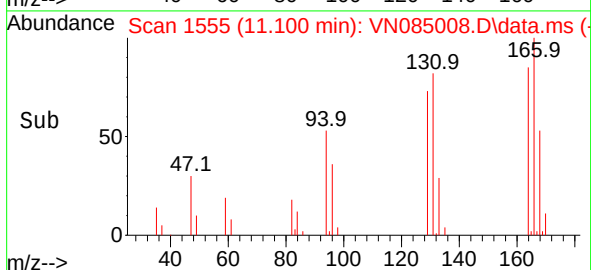
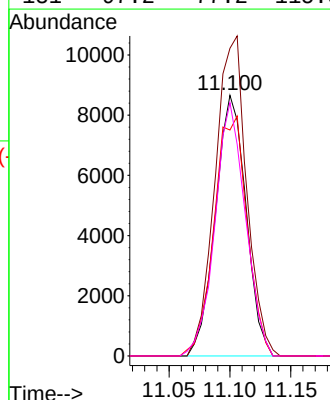
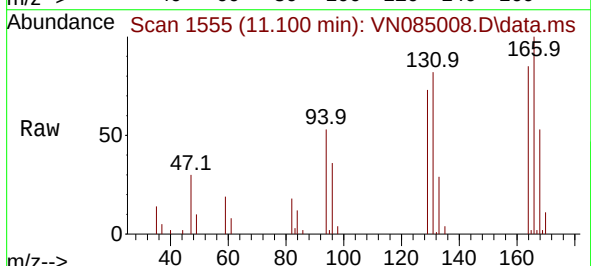
Ion Ratio Lower Upper

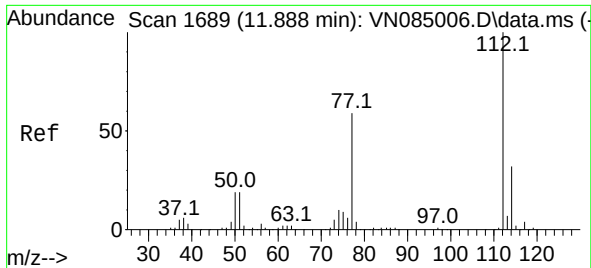
164 100

166 118.1 100.6 151.0

129 86.6 77.7 116.5

131 97.2 77.2 115.8

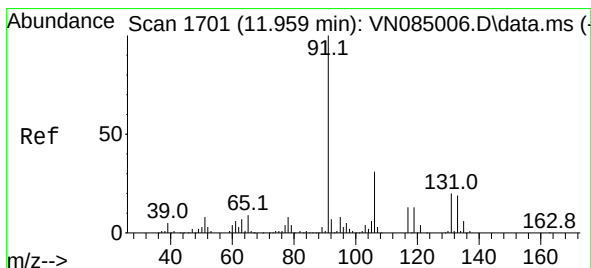
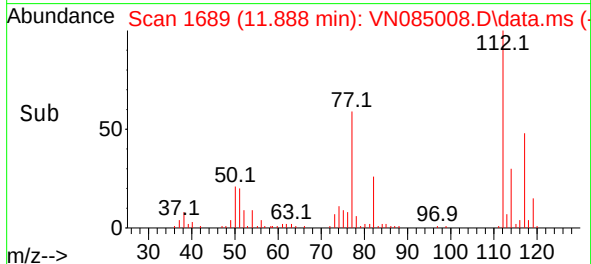
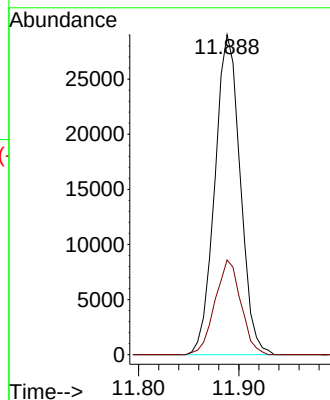
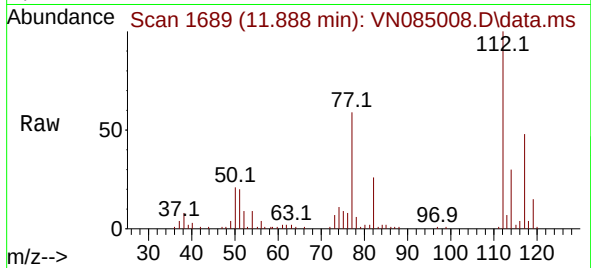




#65
Chlorobenzene
Concen: 9.605 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

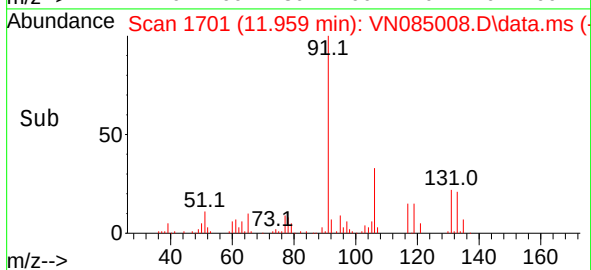
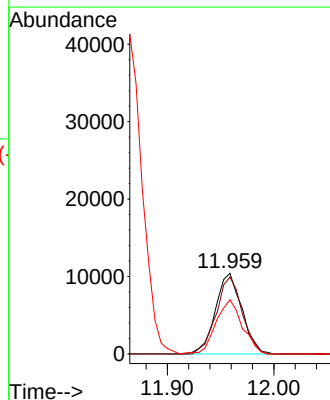
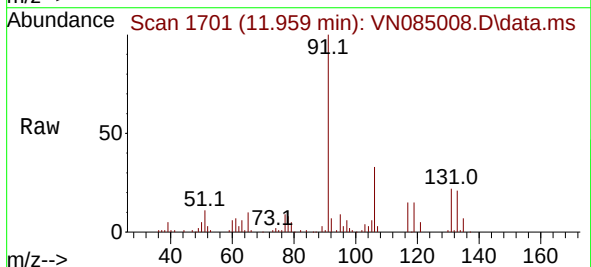
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

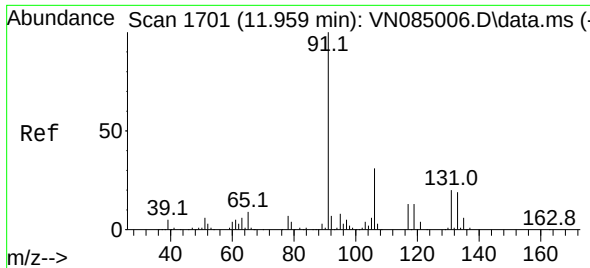
Tgt Ion:112 Resp: 51106
Ion Ratio Lower Upper
112 100
114 29.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 9.590 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:131 Resp: 17966
Ion Ratio Lower Upper
131 100
133 93.9 47.8 143.4
119 66.8 32.1 96.3

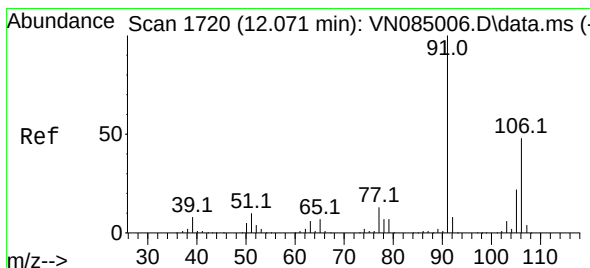
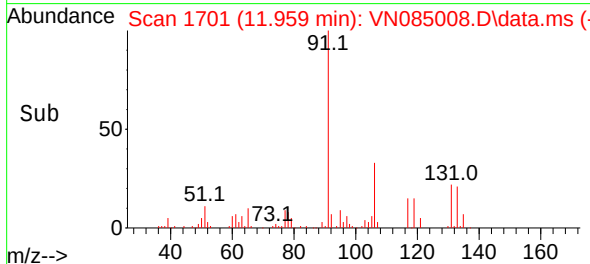
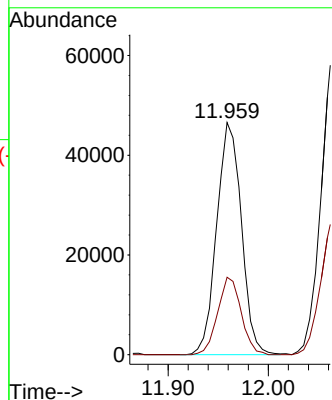
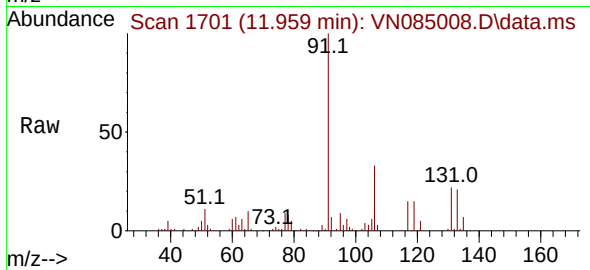




#67
Ethyl Benzene
Concen: 9.229 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

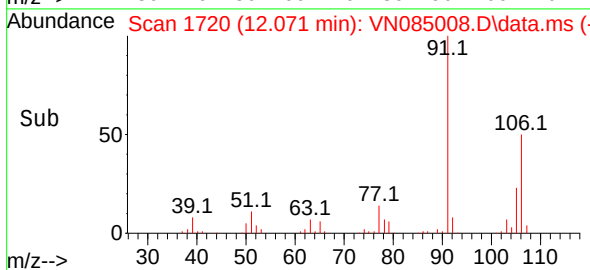
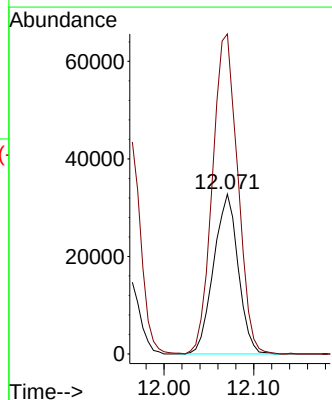
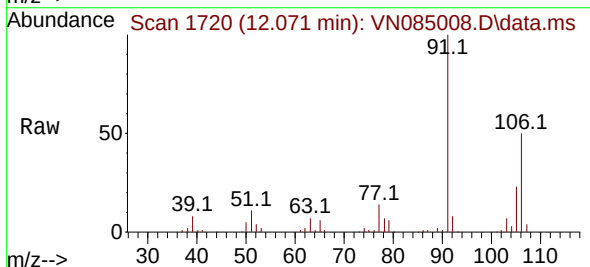
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

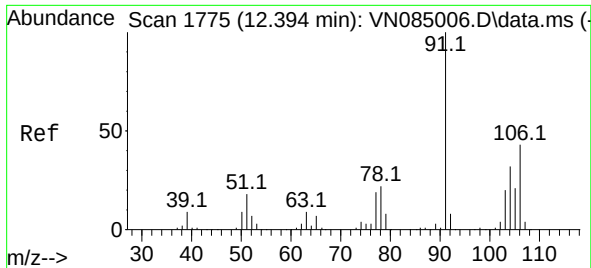
Tgt Ion: 91 Resp: 79668
Ion Ratio Lower Upper
91 100
106 33.4 24.7 37.1



#68
m/p-Xylenes
Concen: 18.925 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:106 Resp: 62195
Ion Ratio Lower Upper
106 100
91 206.1 168.0 252.0

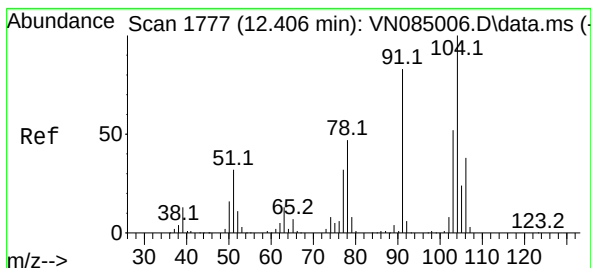
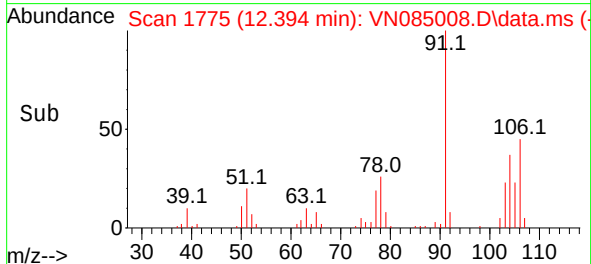
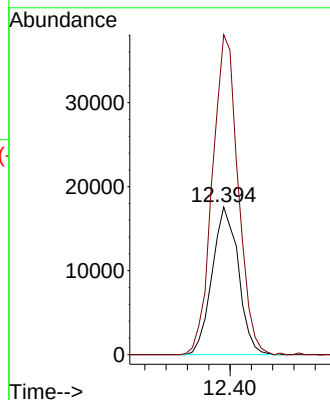
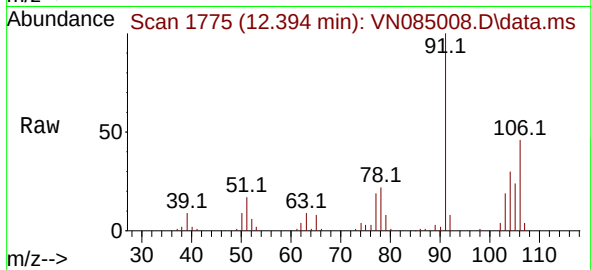




#69
o-Xylene
Concen: 9.618 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

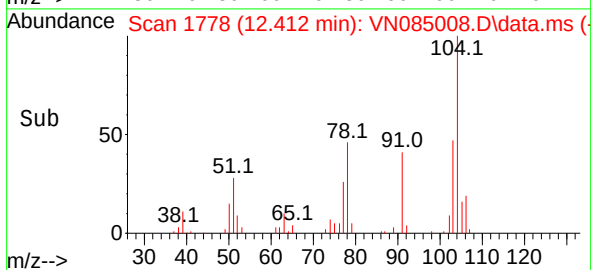
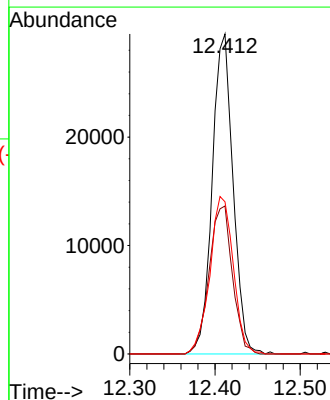
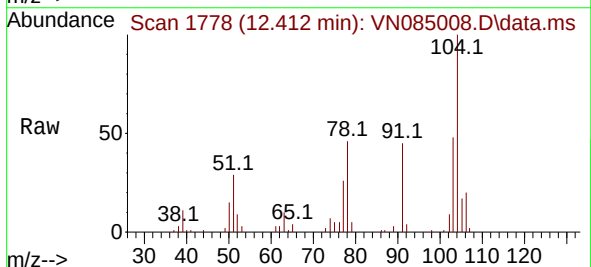
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

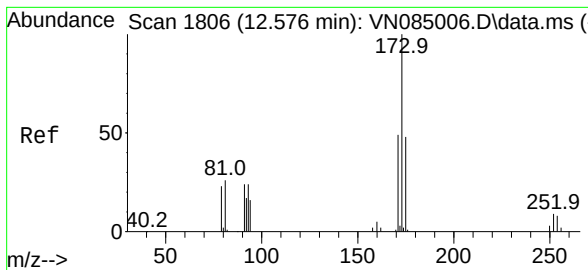
Tgt Ion:106 Resp: 30067
Ion Ratio Lower Upper
106 100
91 212.5 110.7 331.9



#70
Styrene
Concen: 9.647 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion:104 Resp: 50150
Ion Ratio Lower Upper
104 100
78 51.8 42.3 63.5
103 55.3 44.2 66.2





#71

Bromoform

Concen: 9.228 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

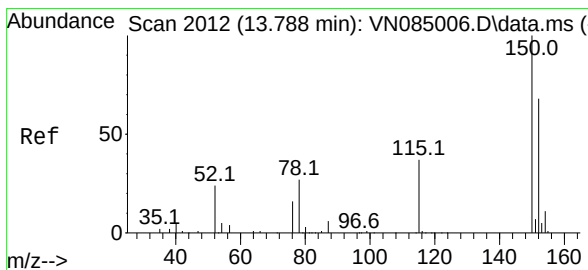
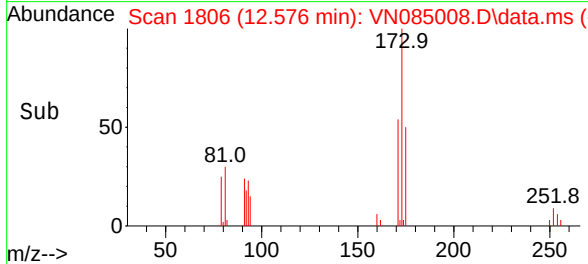
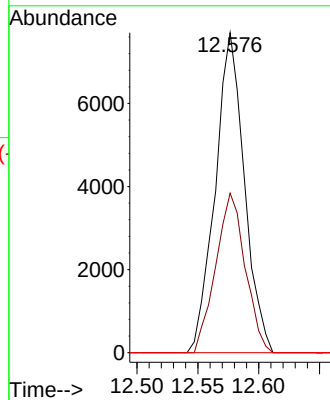
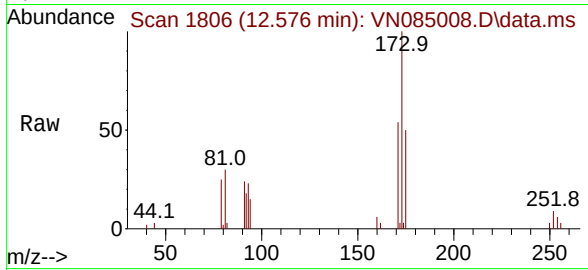
Tgt Ion:173 Resp: 12832

Ion Ratio Lower Upper

173 100

175 50.4 23.8 71.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

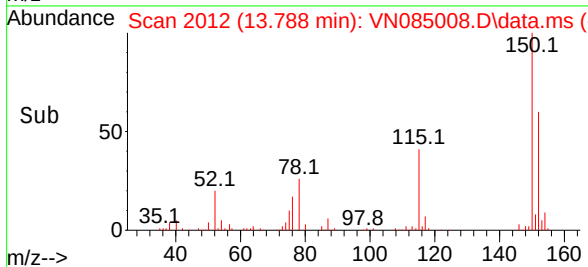
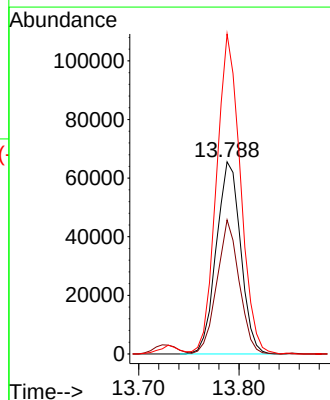
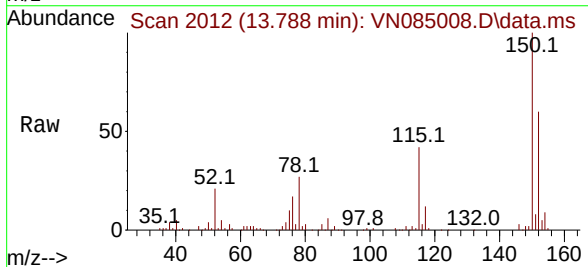
Tgt Ion:152 Resp: 110358

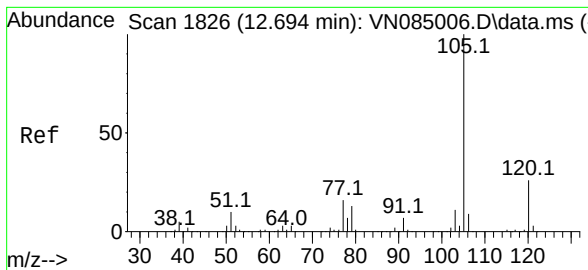
Ion Ratio Lower Upper

152 100

115 63.9 31.7 95.1

150 163.9 0.0 351.4





#73

Isopropylbenzene

Concen: 9.644 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

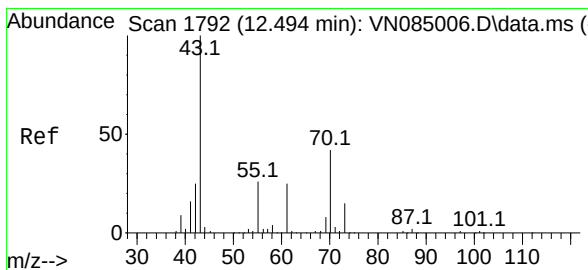
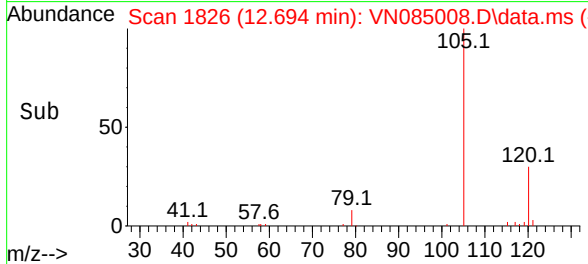
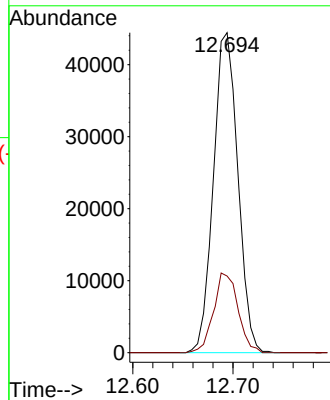
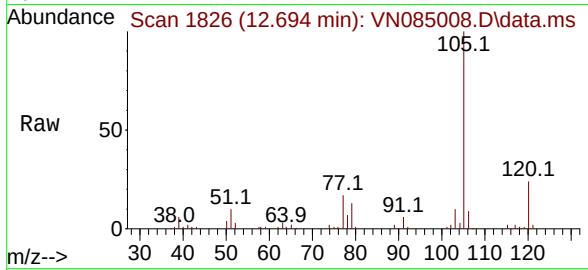
VSTDIC010

Tgt Ion:105 Resp: 75080

Ion Ratio Lower Upper

105 100

120 24.9 13.0 39.0



#74

N-ethyl acetate

Concen: 9.292 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Tgt Ion: 43 Resp: 29811

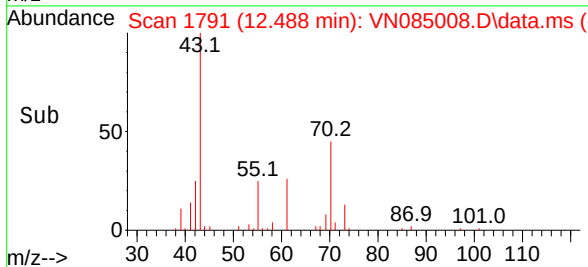
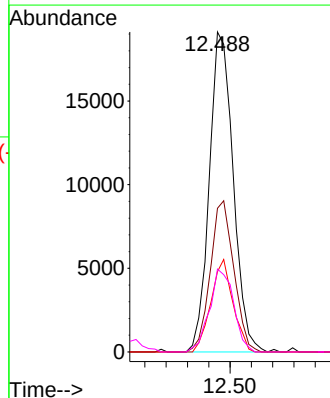
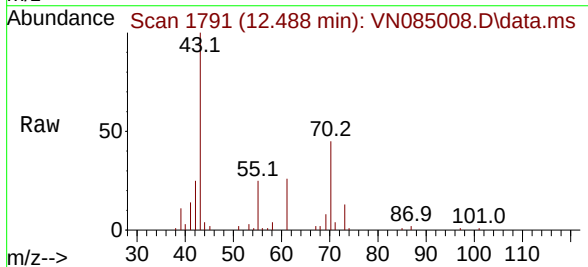
Ion Ratio Lower Upper

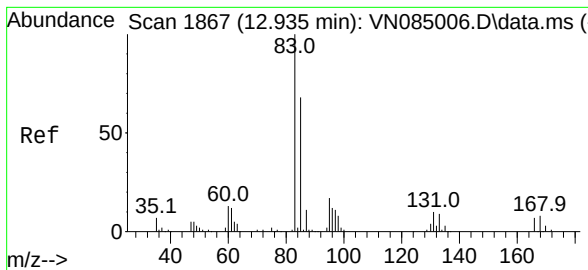
43 100

70 46.4 34.6 51.8

55 26.6 20.5 30.7

61 26.1 19.6 29.4

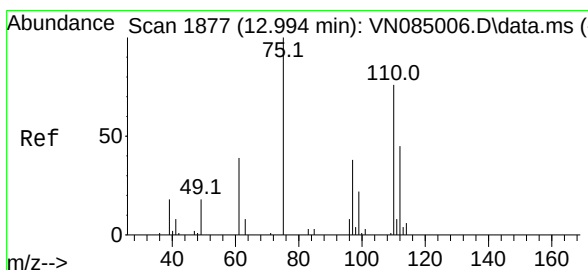
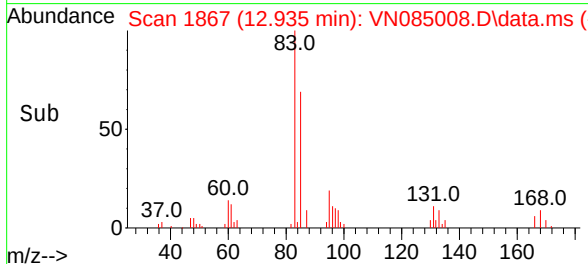
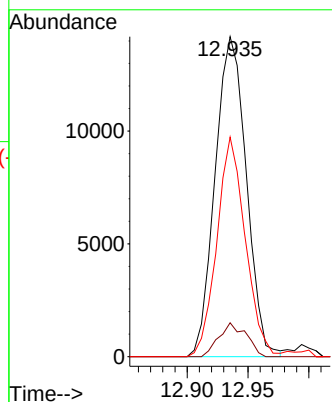
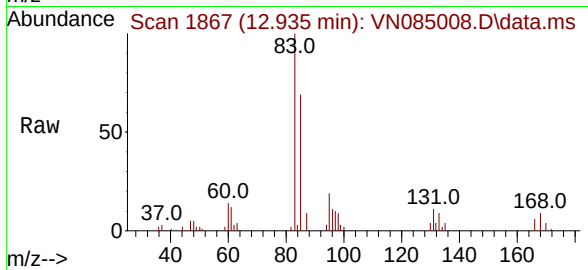




#75
1,1,2,2-Tetrachloroethane
Concen: 9.532 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

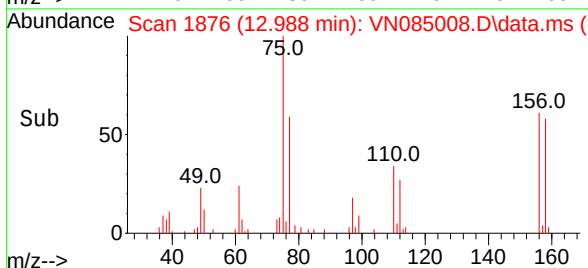
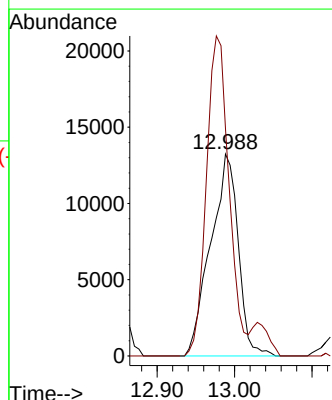
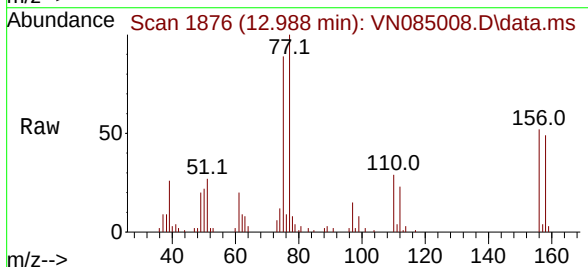
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

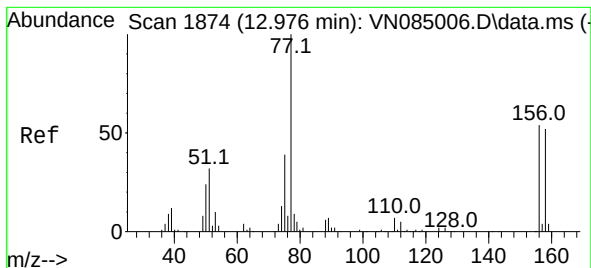
Tgt Ion: 83 Resp: 25341
Ion Ratio Lower Upper
83 100
131 9.2 5.1 15.4
85 62.6 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 15.866 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 75 Resp: 32755
Ion Ratio Lower Upper
75 100
77 130.2 109.1 327.4





#77

Bromobenzene

Concen: 9.500 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

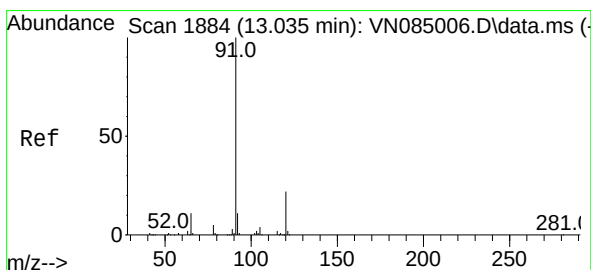
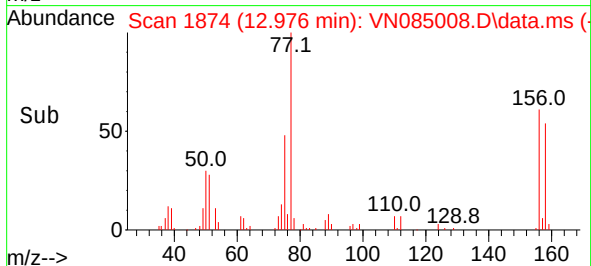
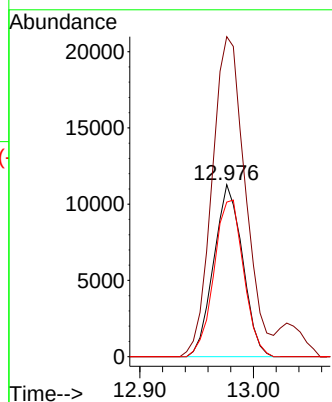
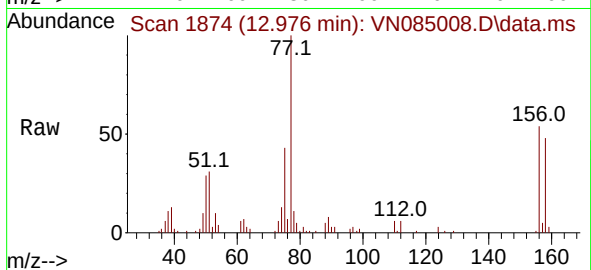
Tgt Ion:156 Resp: 19904

Ion Ratio Lower Upper

156 100

77 214.3 107.2 321.6

158 93.5 48.5 145.6



#78

n-propylbenzene

Concen: 9.537 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085008.D

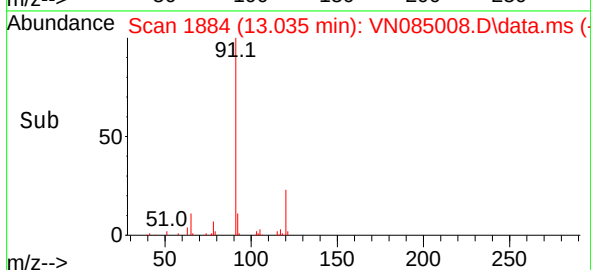
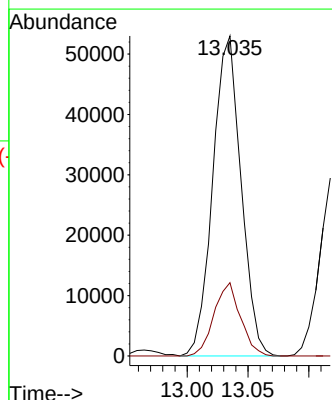
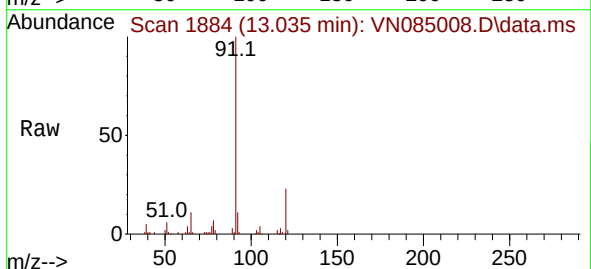
Acq: 22 Nov 2024 12:34

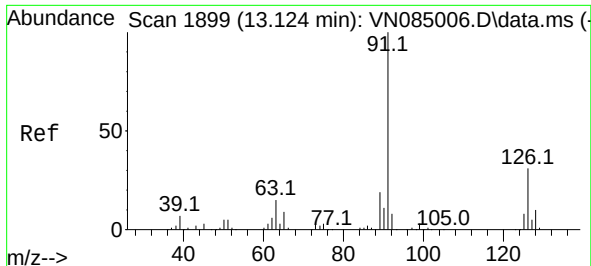
Tgt Ion: 91 Resp: 85642

Ion Ratio Lower Upper

91 100

120 21.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 9.715 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

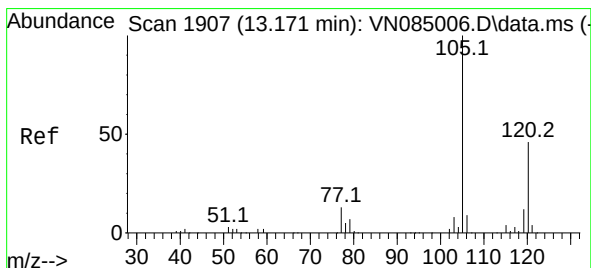
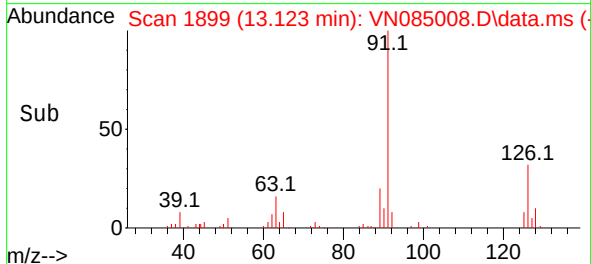
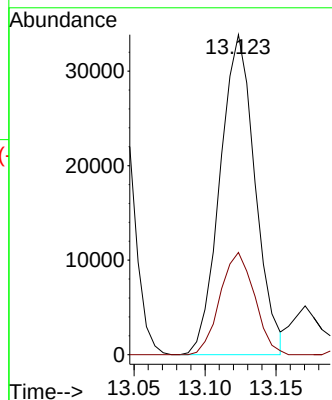
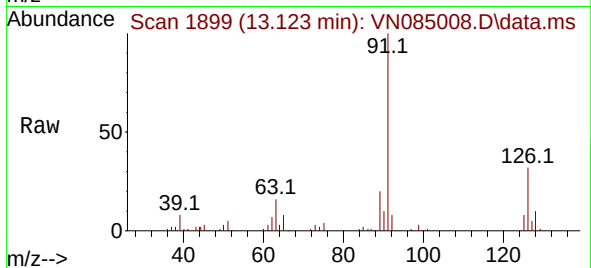
VSTDIC010

Tgt Ion: 91 Resp: 58233

Ion Ratio Lower Upper

91 100

126 31.2 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 9.676 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085008.D

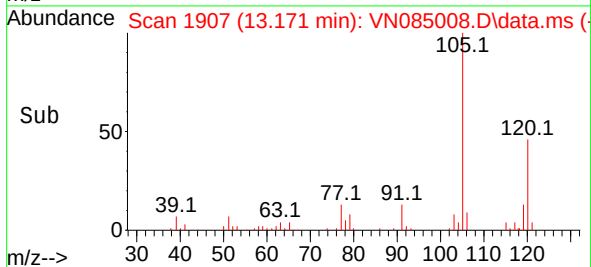
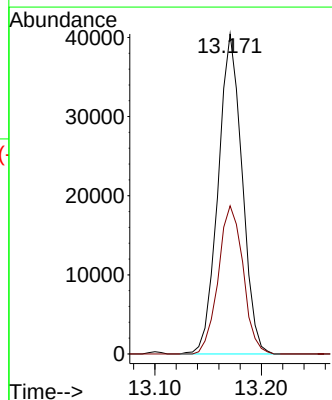
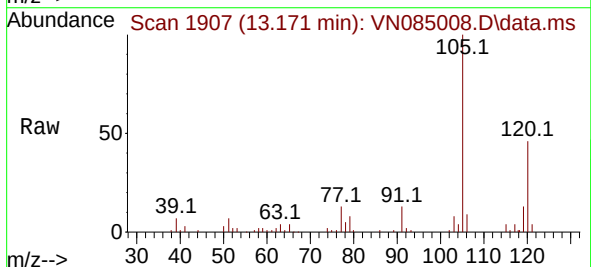
Acq: 22 Nov 2024 12:34

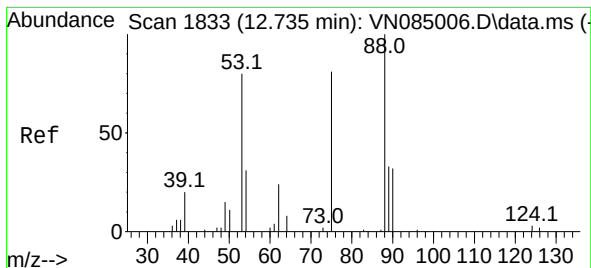
Tgt Ion: 105 Resp: 63212

Ion Ratio Lower Upper

105 100

120 47.8 23.6 71.0

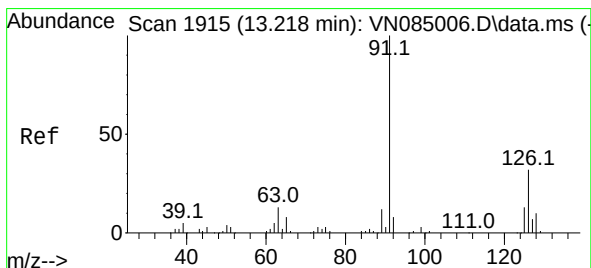
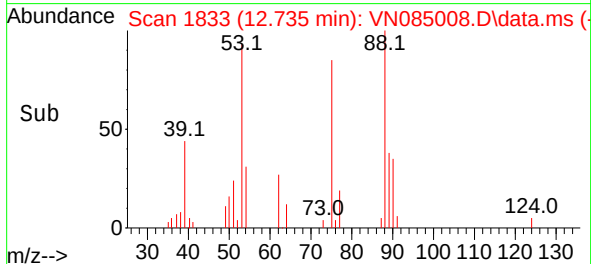
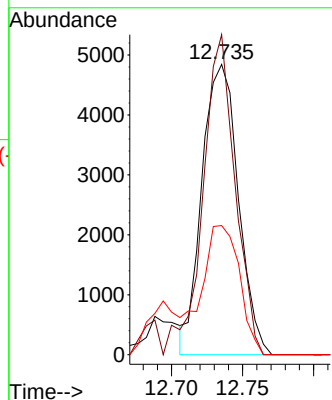
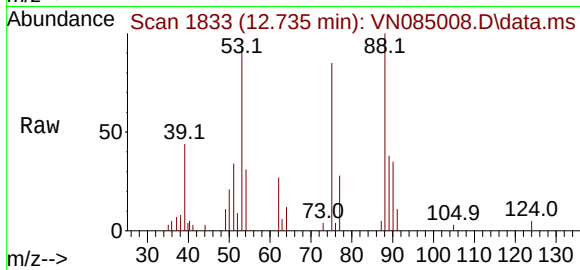




#81
trans-1,4-Dichloro-2-butene
Concen: 9.738 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

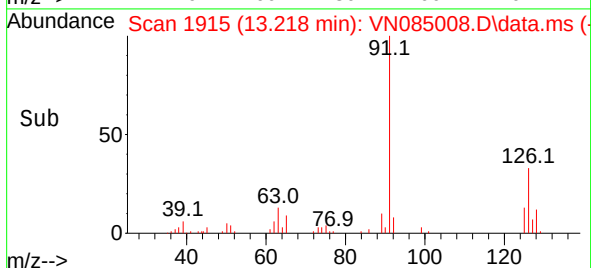
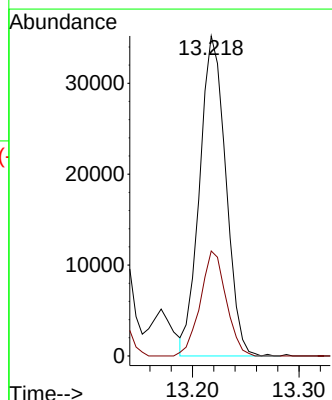
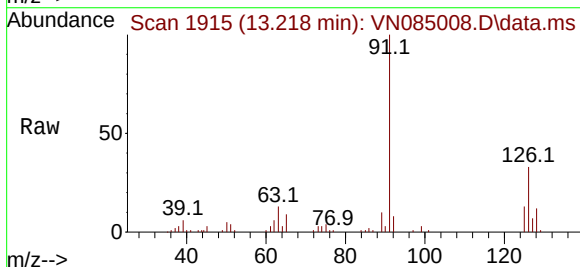
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

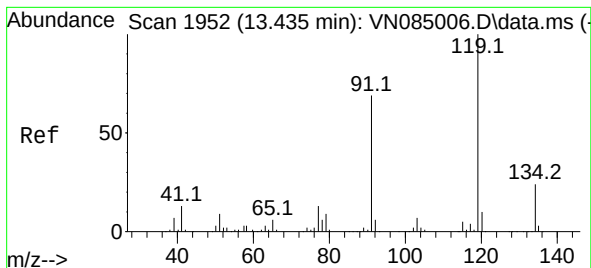
Tgt Ion: 75 Resp: 8603
Ion Ratio Lower Upper
75 100
53 97.9 78.2 117.4
89 46.5 37.9 56.9



#82
4-Chlorotoluene
Concen: 9.640 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085008.D
Acq: 22 Nov 2024 12:34

Tgt Ion: 91 Resp: 60156
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.3





#83

tert-Butylbenzene

Concen: 9.566 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

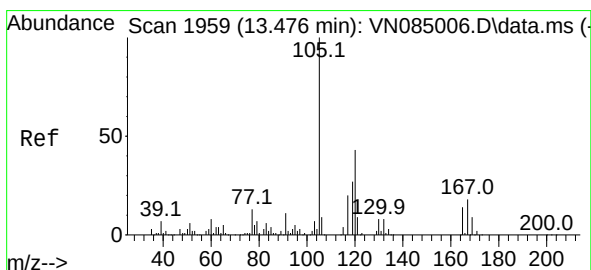
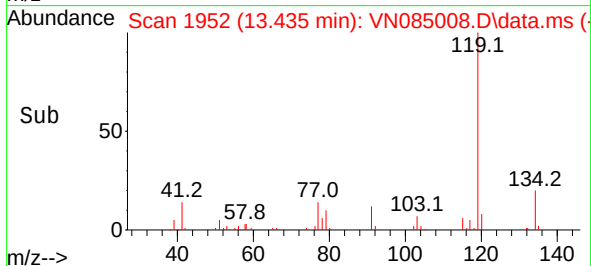
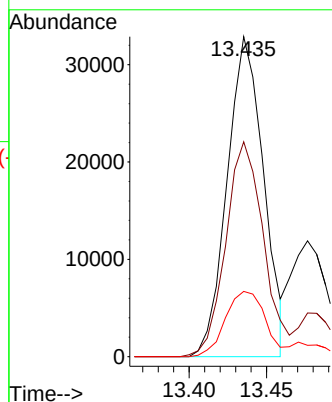
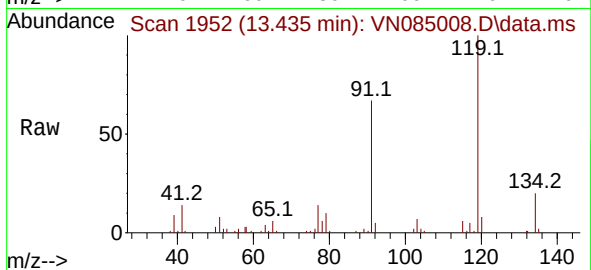
Tgt Ion:119 Resp: 53773

Ion Ratio Lower Upper

119 100

91 69.7 35.1 105.5

134 22.7 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 9.607 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085008.D

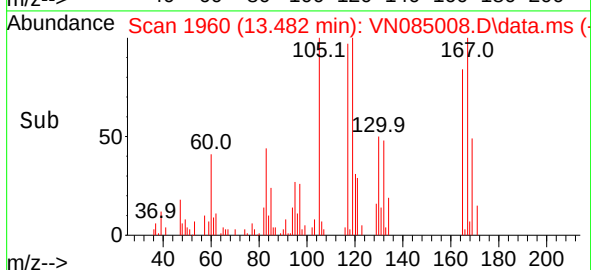
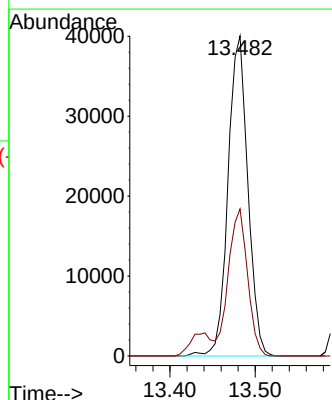
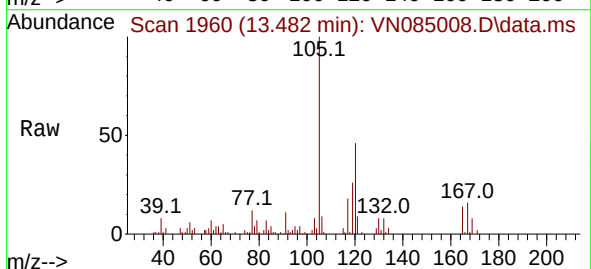
Acq: 22 Nov 2024 12:34

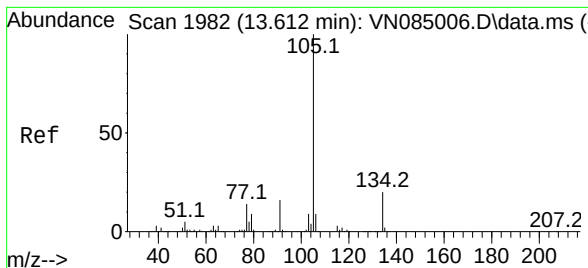
Tgt Ion:105 Resp: 64606

Ion Ratio Lower Upper

105 100

120 44.5 21.8 65.4





#85

sec-Butylbenzene

Concen: 9.535 ug/l

RT: 13.618 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

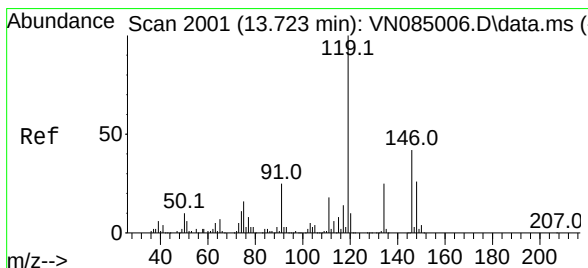
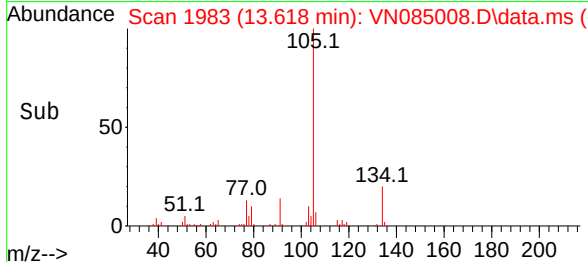
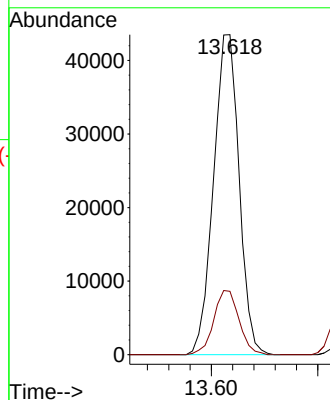
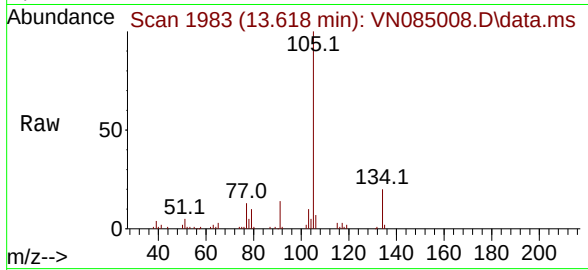
VSTDIC010

Tgt Ion:105 Resp: 72405

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 9.647 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

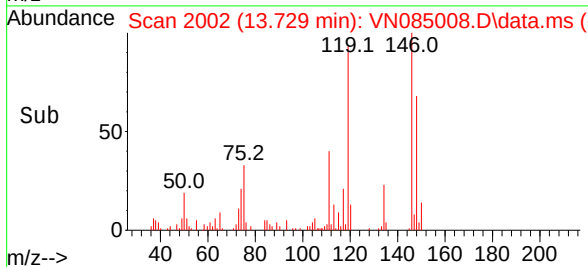
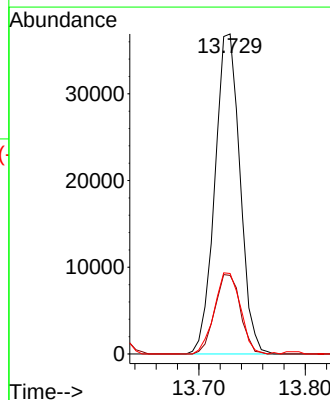
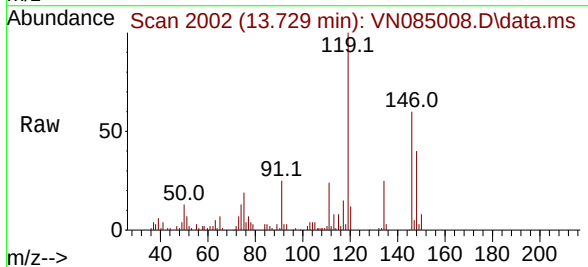
Tgt Ion:119 Resp: 60467

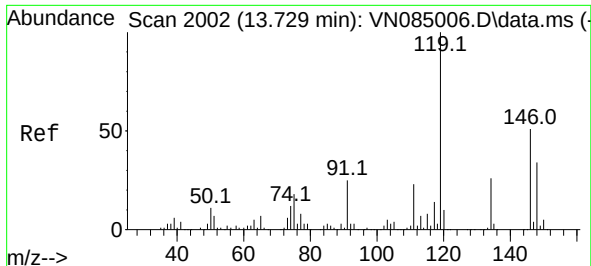
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 26.2 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 9.317 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

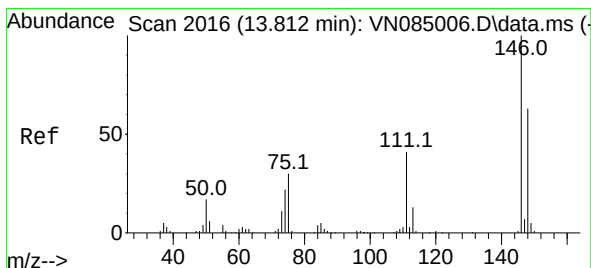
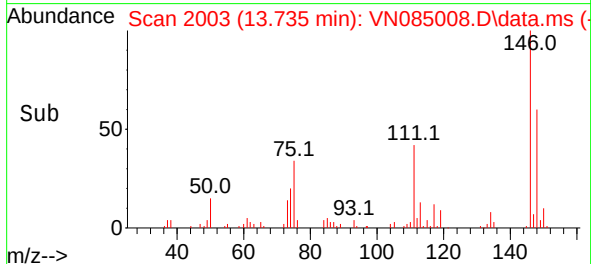
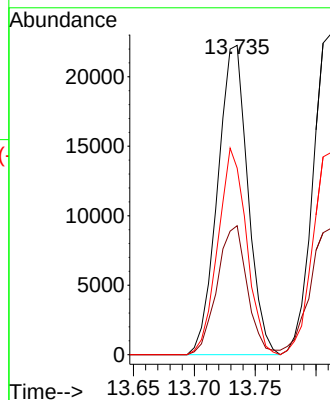
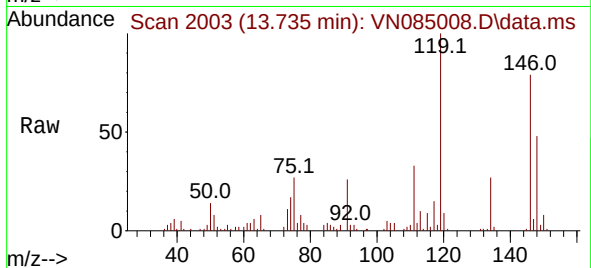
Tgt Ion:146 Resp: 38501

Ion Ratio Lower Upper

146 100

111 41.4 21.6 65.0

148 63.3 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 9.360 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

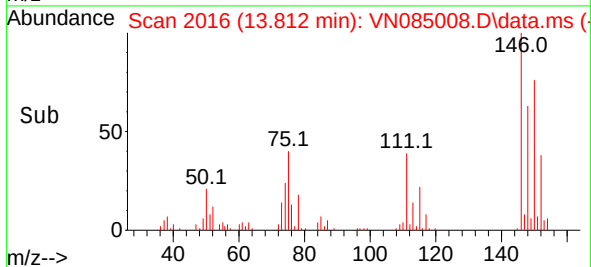
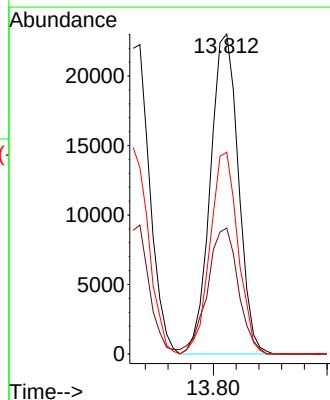
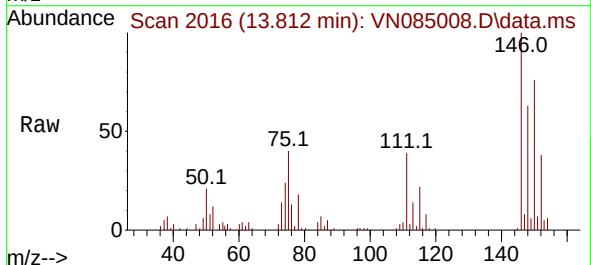
Tgt Ion:146 Resp: 39471

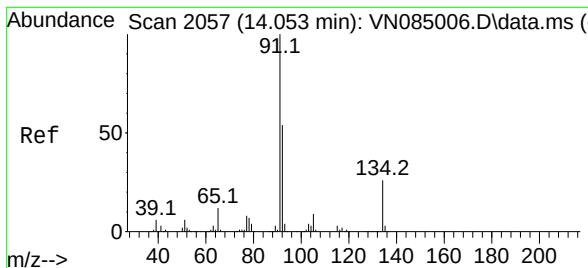
Ion Ratio Lower Upper

146 100

111 43.5 20.9 62.8

148 62.7 31.3 93.9





#89

n-Butylbenzene

Concen: 8.994 ug/l

RT: 14.059 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

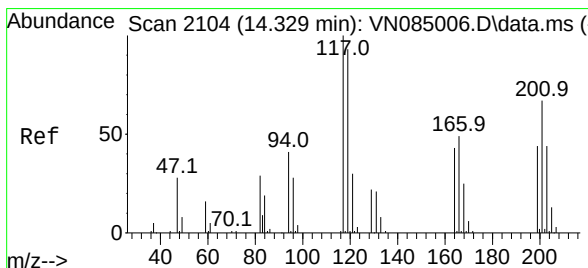
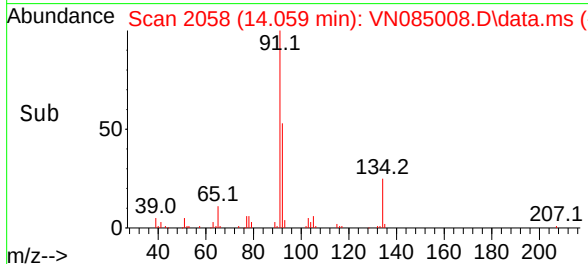
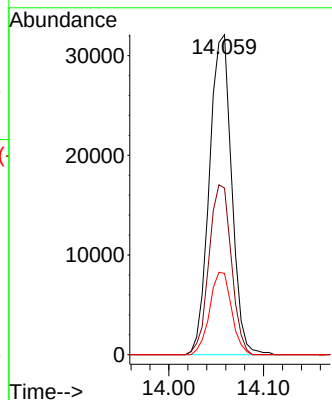
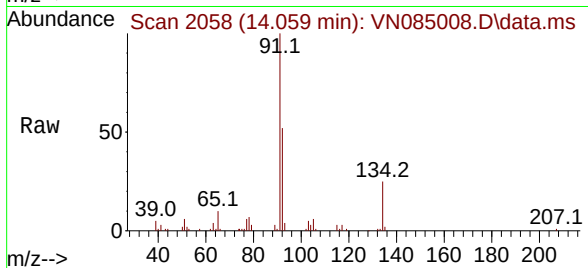
Tgt Ion: 91 Resp: 52430

Ion Ratio Lower Upper

91 100

92 53.3 26.8 80.3

134 25.3 12.8 38.4



#90

Hexachloroethane

Concen: 9.179 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN085008.D

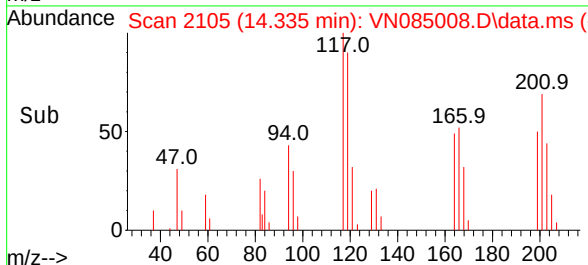
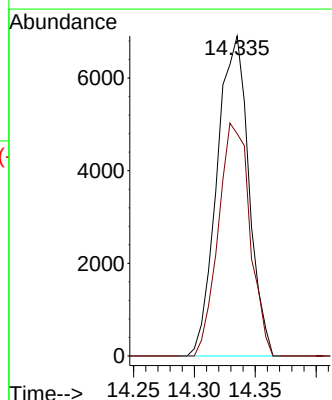
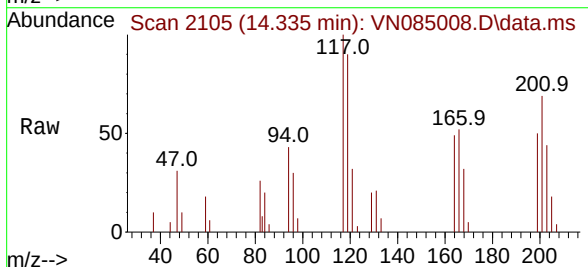
Acq: 22 Nov 2024 12:34

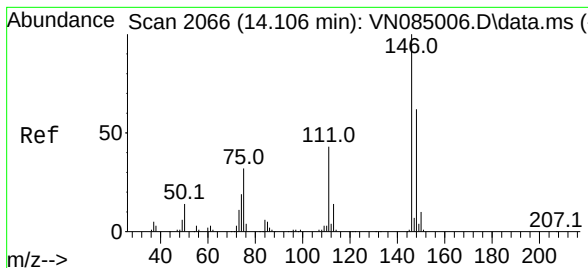
Tgt Ion: 117 Resp: 12541

Ion Ratio Lower Upper

117 100

201 72.3 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 9.390 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

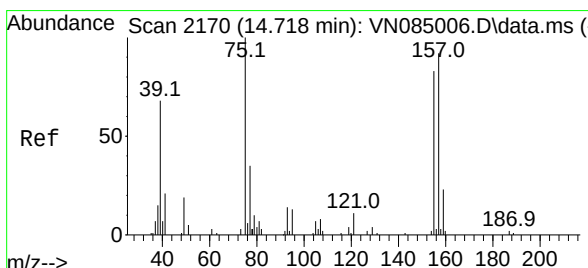
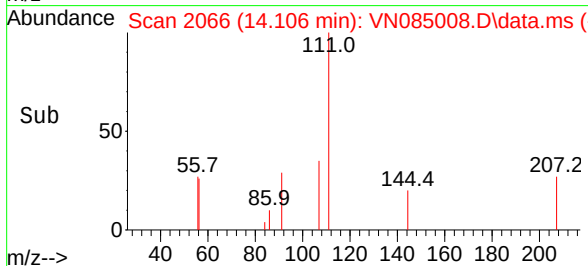
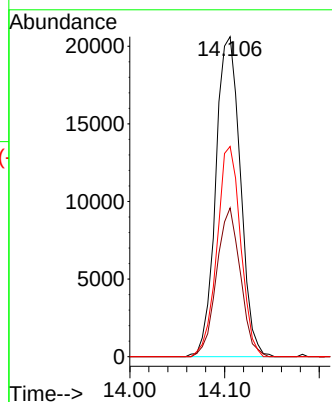
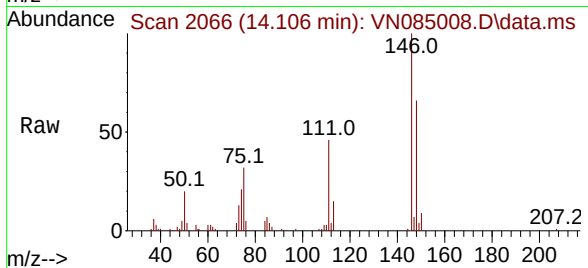
Tgt Ion:146 Resp: 37183

Ion Ratio Lower Upper

146 100

111 45.1 21.9 65.8

148 63.1 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.565 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

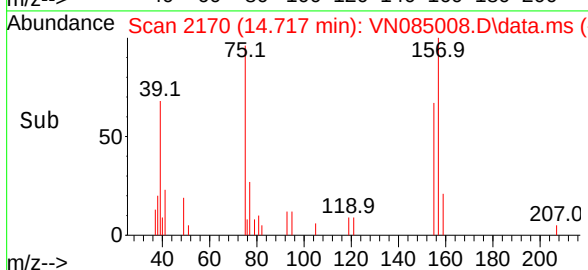
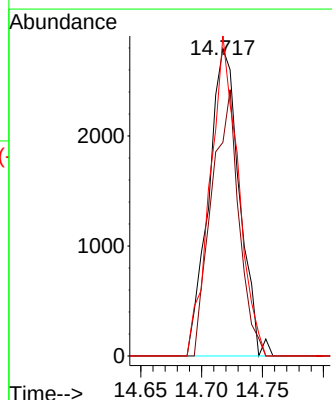
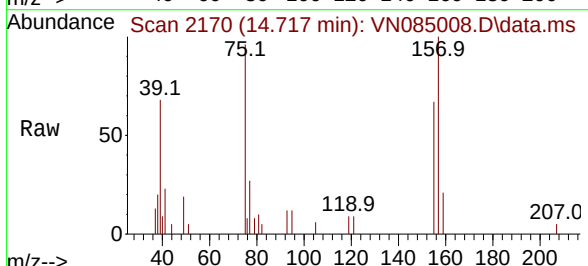
Tgt Ion: 75 Resp: 4917

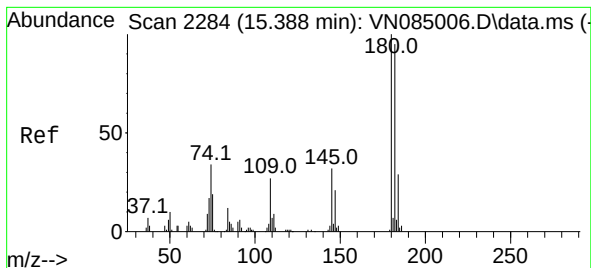
Ion Ratio Lower Upper

75 100

155 76.6 38.9 116.7

157 95.3 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 9.429 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

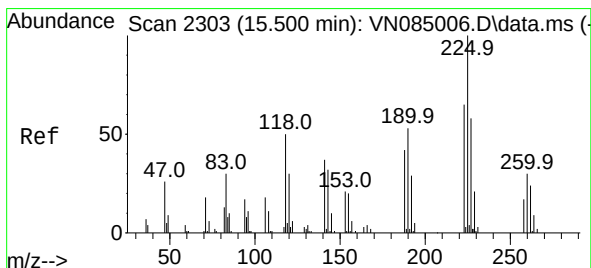
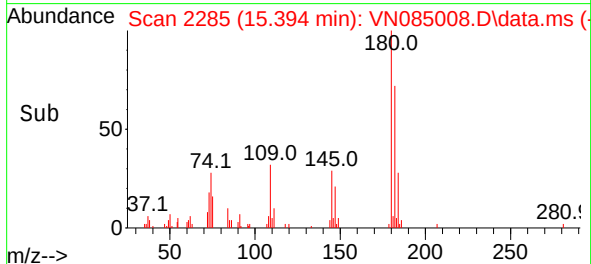
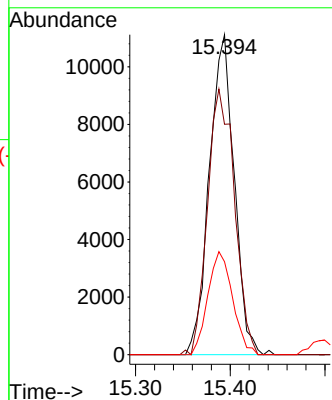
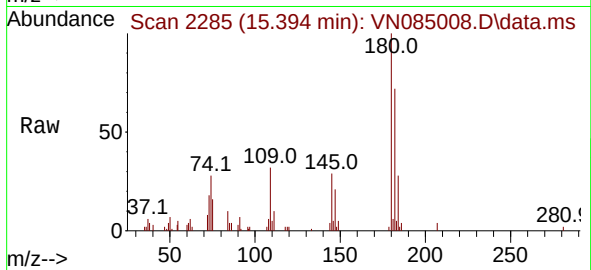
Tgt Ion:180 Resp: 20285

Ion Ratio Lower Upper

180 100

182 90.0 46.9 140.8

145 32.0 16.3 48.8



#94

Hexachlorobutadiene

Concen: 9.080 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

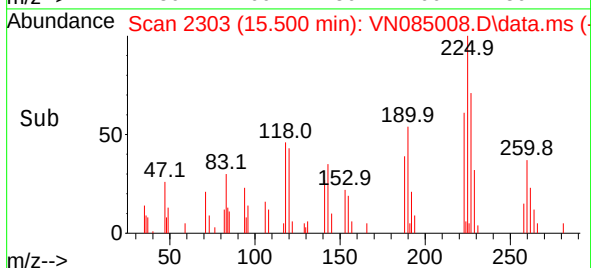
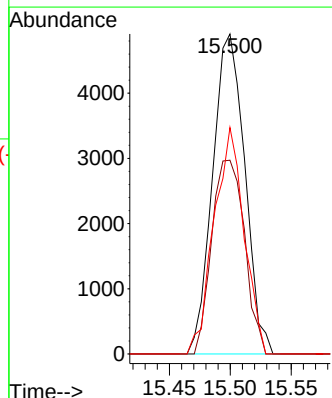
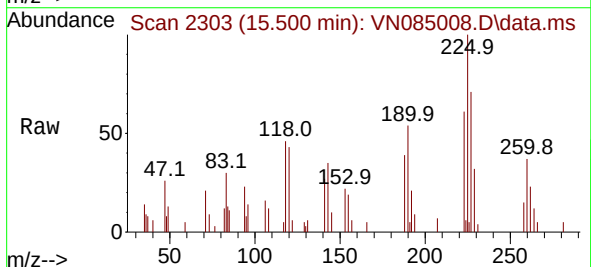
Tgt Ion:225 Resp: 9015

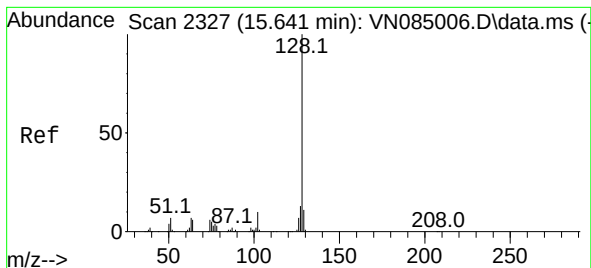
Ion Ratio Lower Upper

225 100

223 61.7 30.9 92.8

227 66.2 31.5 94.5





#95

Naphthalene

Concen: 8.844 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

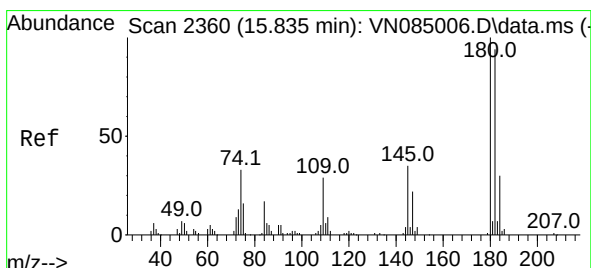
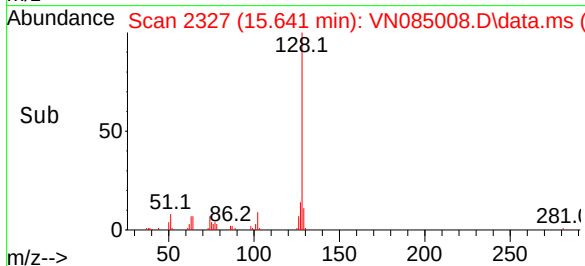
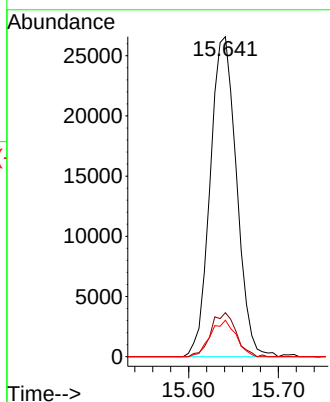
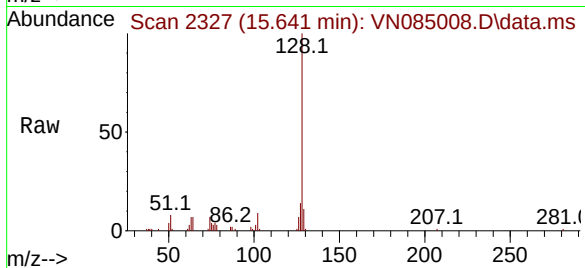
Tgt Ion:128 Resp: 54191

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.0 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 9.132 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085008.D

Acq: 22 Nov 2024 12:34

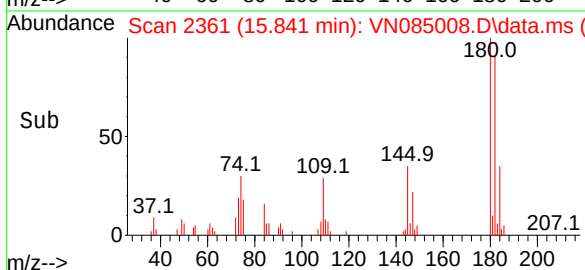
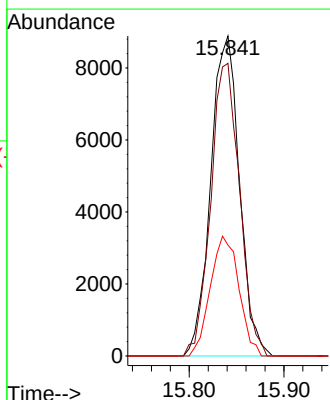
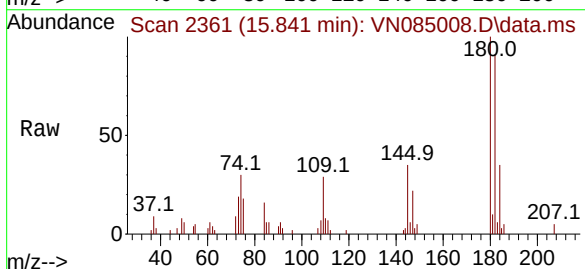
Tgt Ion:180 Resp: 18745

Ion Ratio Lower Upper

180 100

182 91.9 46.4 139.2

145 37.3 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 23 02:01:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.180%#
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.160%#
50) Toluene-d8	10.559	98	32318	4.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.560%#
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	10.040%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l	91
3) Chloromethane	2.359	50	10967	5.059	ug/l	97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l	92
5) Bromomethane	2.900	94	6052	5.543	ug/l	98
6) Chloroethane	3.059	64	6721	5.119	ug/l	93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l	98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l	98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l	96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l #	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l #	92
13) Acrolein	4.177	56	4745	22.602	ug/l	95
14) Allyl chloride	5.006	41	14439	4.882	ug/l	97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l	96
16) Acetone	4.430	43	16131	23.525	ug/l	93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l #	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l	95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l #	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l	99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l	97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l	96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l	97
25) 2-Butanone	7.482	43	27100	24.174	ug/l	98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l	96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l #	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l	99
30) Chloroform	7.959	83	18837	4.971	ug/l	91
31) Cyclohexane	8.247	56	18036	5.751	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l	97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l	98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l #	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l	96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l	95
40) Benzene	8.600	78	40657	5.026	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Nov 23 02:01:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417	ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356	ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947	ug/l	95
44) Trichloroethene	9.347	130	9711	5.165	ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948	ug/l	99
46) Dibromomethane	9.706	93	6962	5.028	ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962	ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918	ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010	ug/l	100
52) Toluene	10.629	92	24051	5.022	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559	ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779	ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928	ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605	ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254	ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237	ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974	ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128	ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556	ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261	ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916	ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514	ug/l	99
69) o-Xylene	12.400	106	14935	4.754	ug/l	98
70) Styrene	12.412	104	24480	4.686	ug/l	99
71) Bromoform	12.576	173	7040	5.038	ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910	ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16152	7.966	ug/l	56
77) Bromobenzene	12.976	156	10485	5.095	ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931	ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502	ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986	ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743	ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718	ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322	ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732	ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992	ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272	ug/l	96
95) Naphthalene	15.641	128	29077	4.832	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

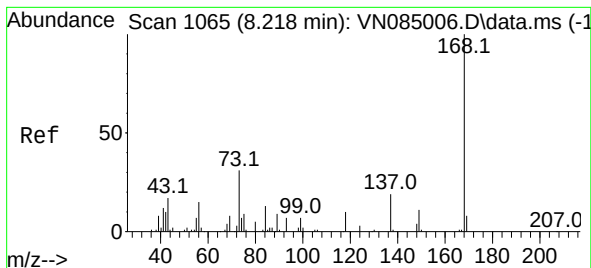
Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 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: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

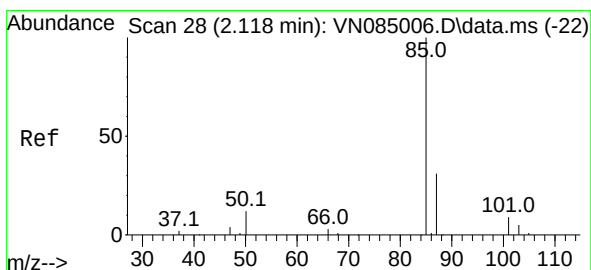
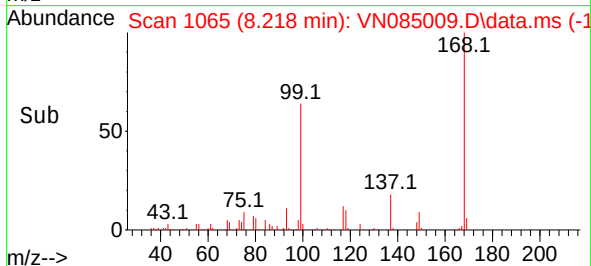
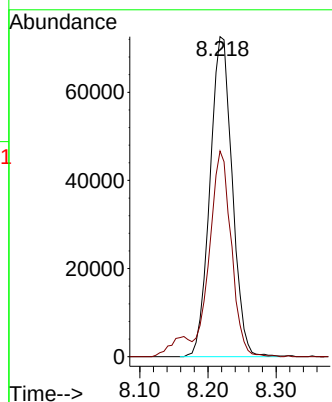
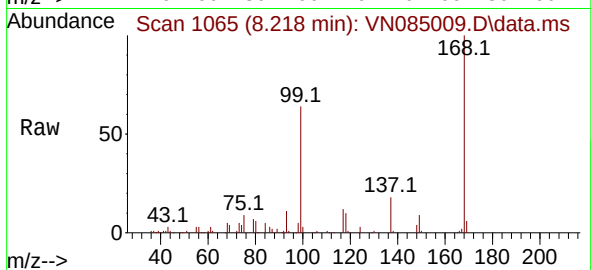
VSTDICC005

Tgt Ion:168 Resp: 165285

Ion Ratio Lower Upper

168 100

99 64.2 51.2 76.8



#2

Dichlorodifluoromethane

Concen: 5.221 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.006 min

Lab File: VN085009.D

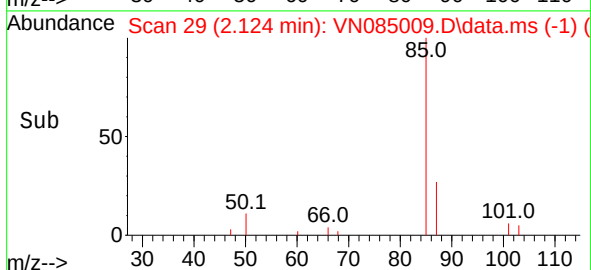
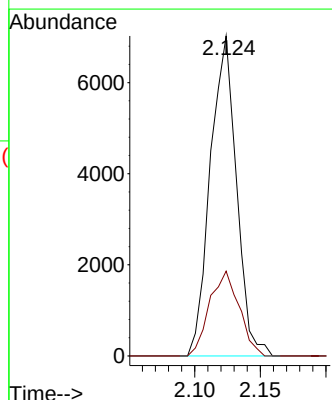
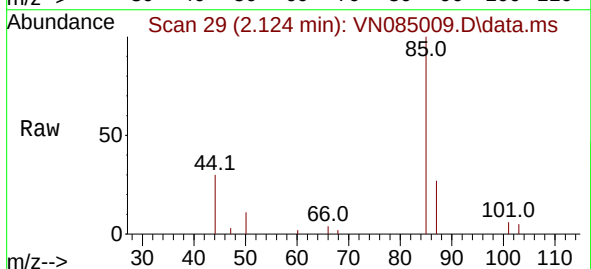
Acq: 22 Nov 2024 12:57

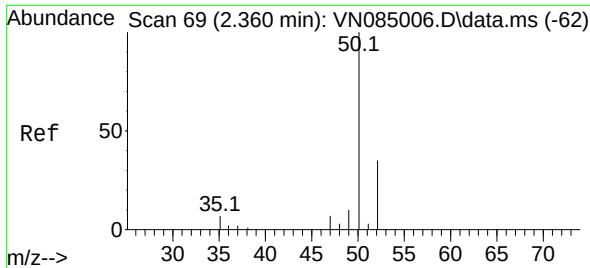
Tgt Ion: 85 Resp: 9758

Ion Ratio Lower Upper

85 100

87 26.5 15.7 47.1

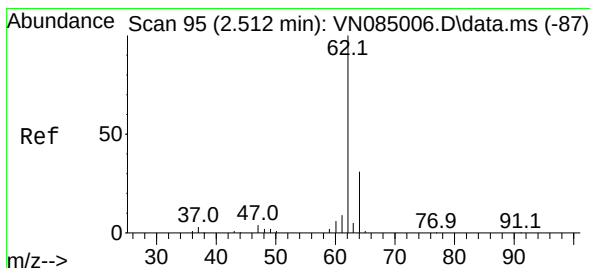
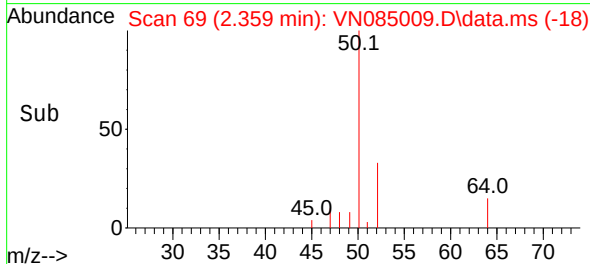
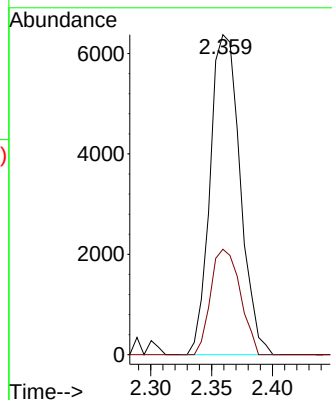
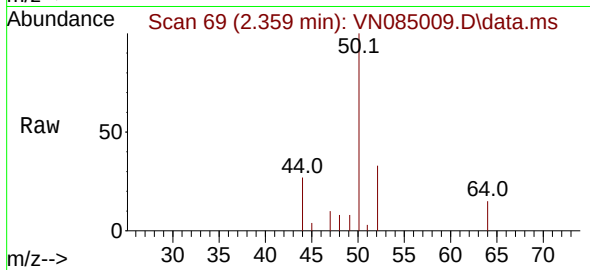




#3
Chloromethane
Concen: 5.059 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

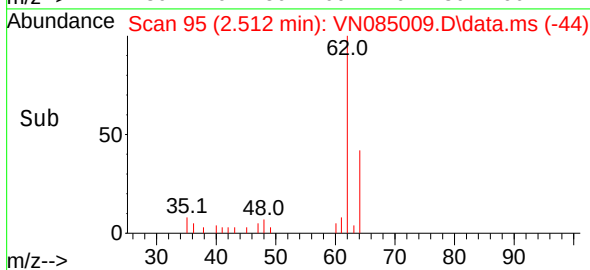
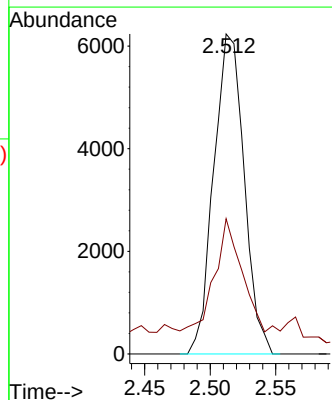
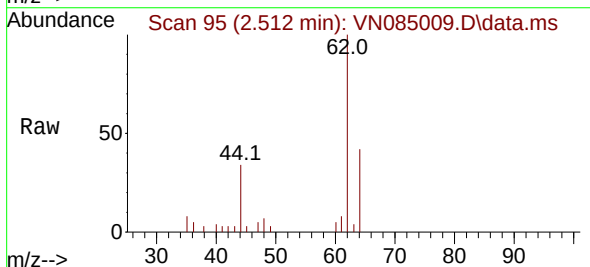
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

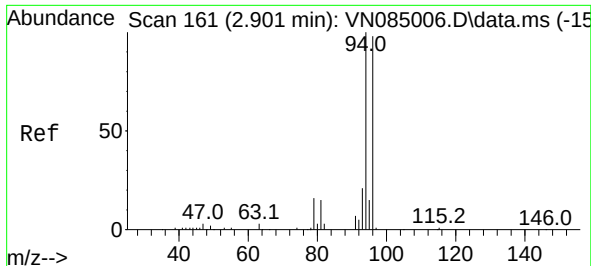
Tgt Ion: 50 Resp: 10967
Ion Ratio Lower Upper
50 100
52 33.0 27.8 41.8



#4
Vinyl Chloride
Concen: 5.155 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62 Resp: 10043
Ion Ratio Lower Upper
62 100
64 35.1 24.6 36.8

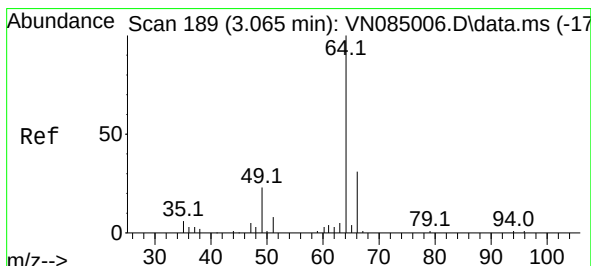
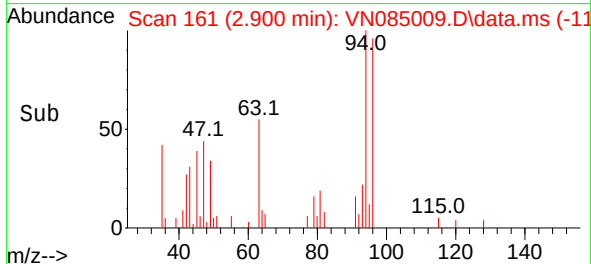
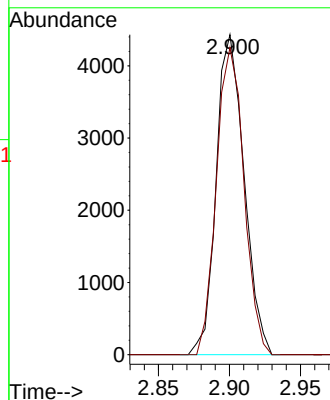
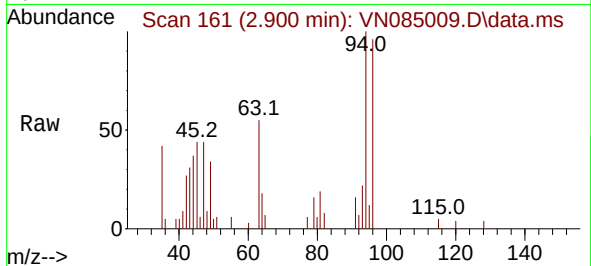




#5
Bromomethane
Concen: 5.543 ug/l
RT: 2.900 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

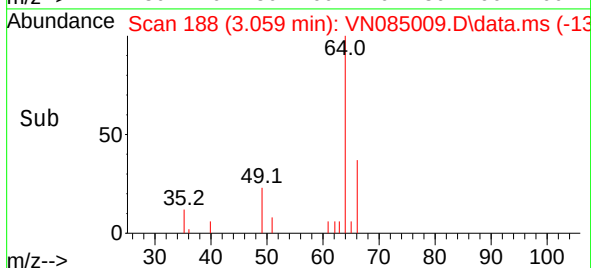
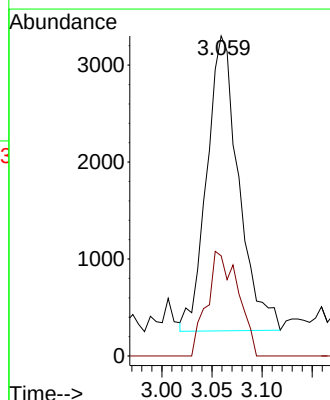
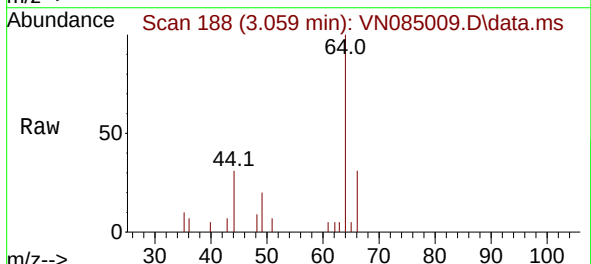
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

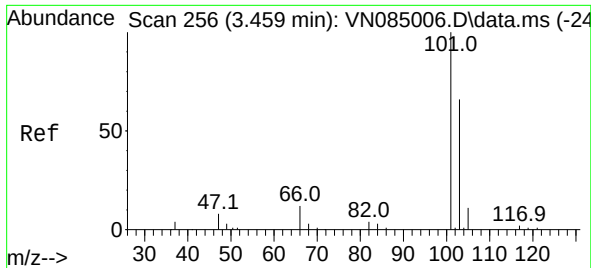
Tgt Ion: 94 Resp: 6052
Ion Ratio Lower Upper
94 100
96 95.9 78.7 118.1



#6
Chloroethane
Concen: 5.119 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 64 Resp: 6721
Ion Ratio Lower Upper
64 100
66 34.1 24.4 36.6

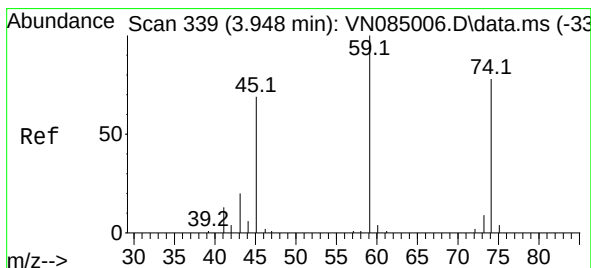
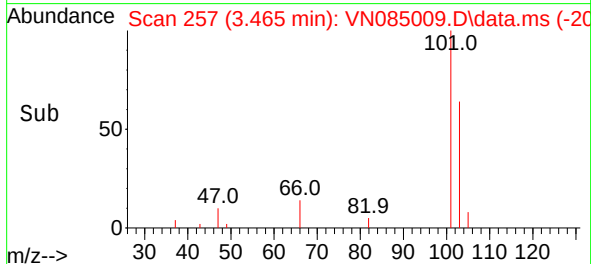
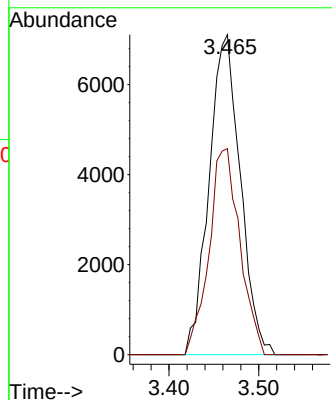
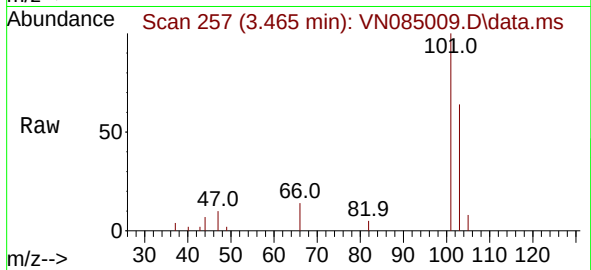




#7
Trichlorofluoromethane
Concen: 5.192 ug/l
RT: 3.465 min Scan# 256
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

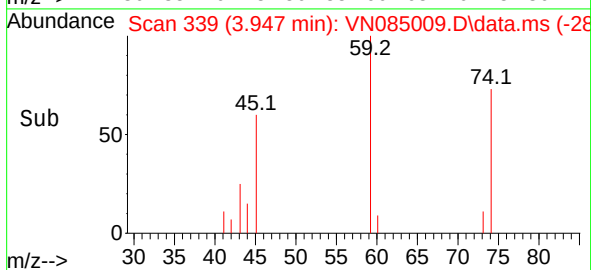
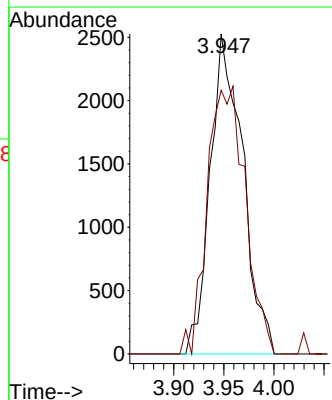
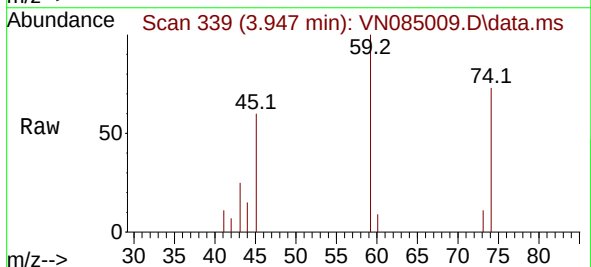
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

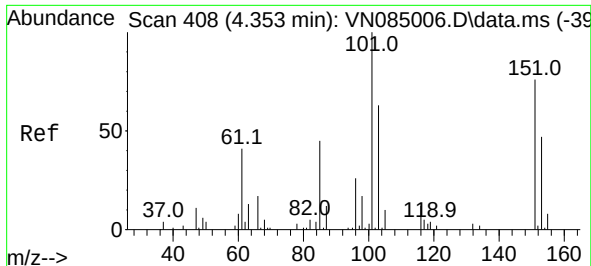
Tgt Ion:101 Resp: 17204
Ion Ratio Lower Upper
101 100
103 64.4 52.6 78.8



#8
Diethyl Ether
Concen: 5.050 ug/l
RT: 3.947 min Scan# 339
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 74 Resp: 5696
Ion Ratio Lower Upper
74 100
45 97.8 46.7 140.1

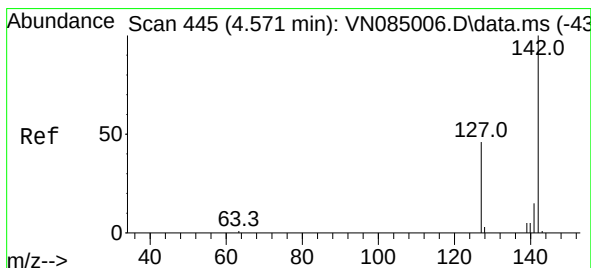
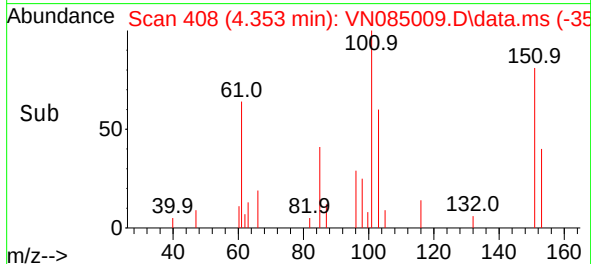
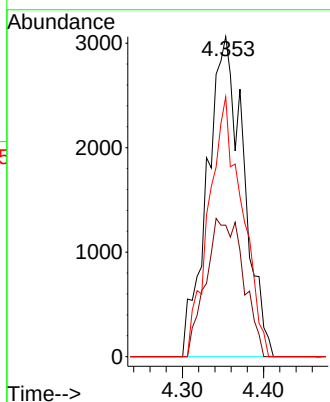
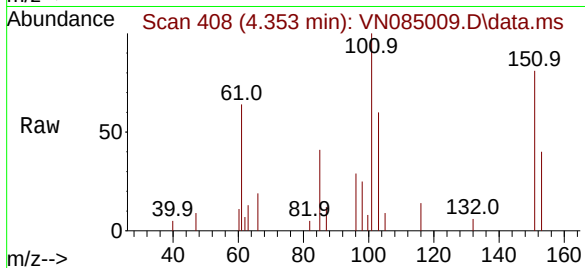




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.064 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

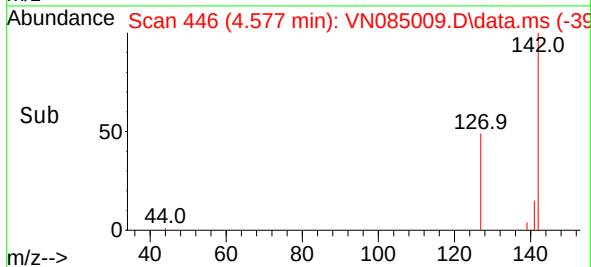
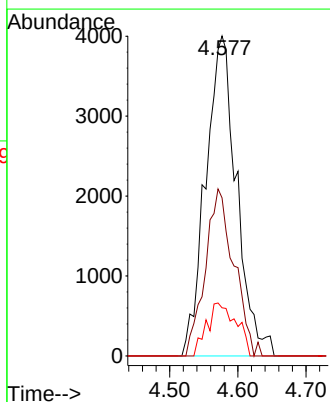
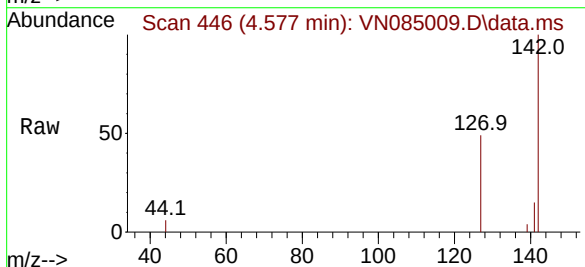
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

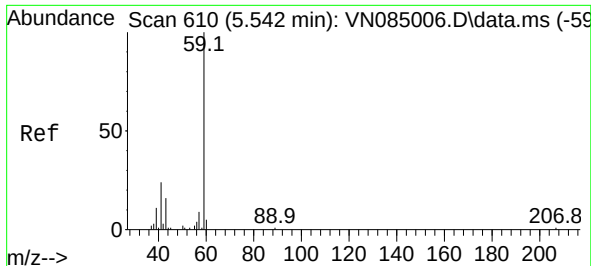
Tgt Ion:101	Resp:	9518
Ion	Ratio	Lower Upper
101	100	
85	44.7	36.9 55.3
151	74.5	60.8 91.2



#10
Methyl Iodide
Concen: 5.077 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:142	Resp:	12631
Ion	Ratio	Lower Upper
142	100	
127	49.4	36.6 54.8
141	15.0	12.2 18.4

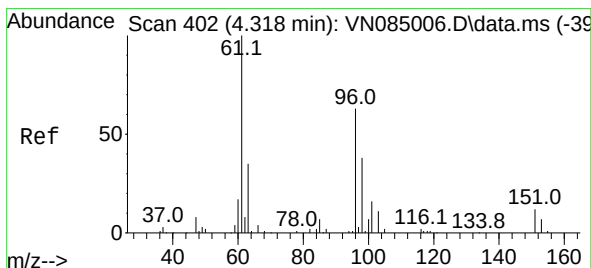
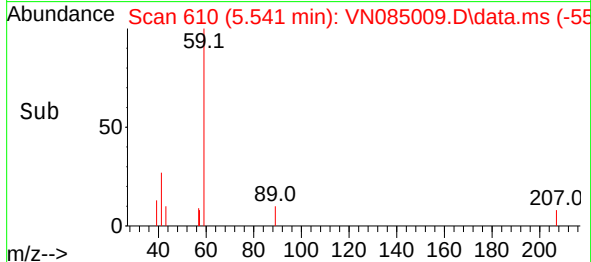
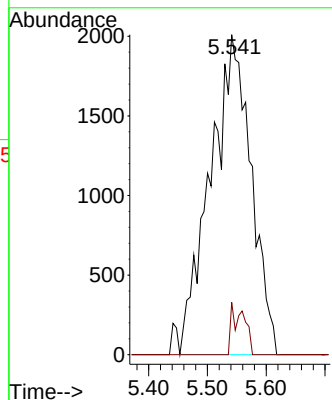
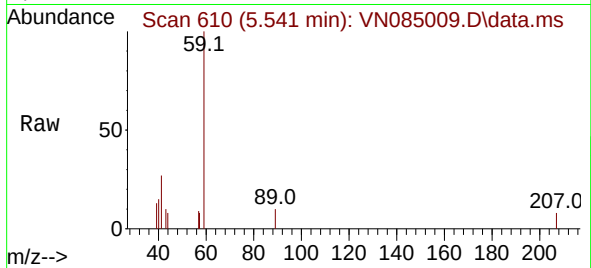




#11
Tert butyl alcohol
Concen: 30.780 ug/l
RT: 5.541 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

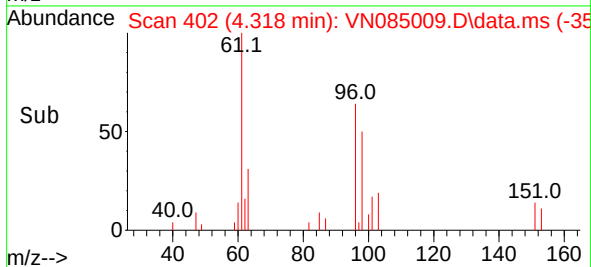
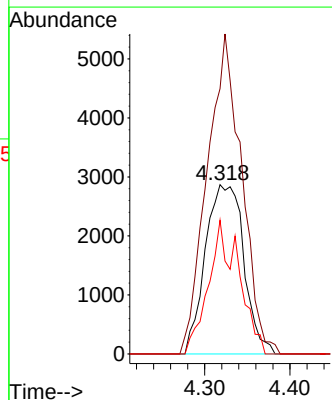
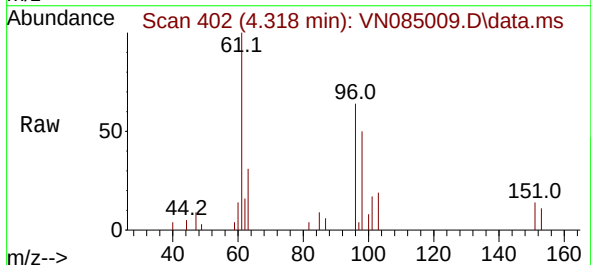
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

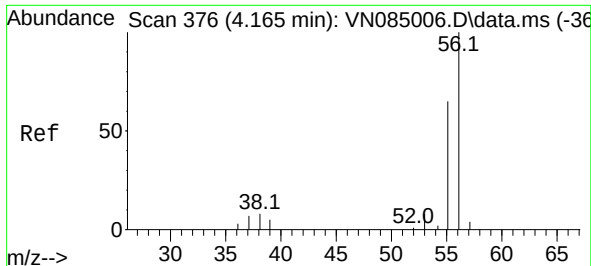
Tgt Ion: 59 Resp: 9684
Ion Ratio Lower Upper
59 100
57 5.0 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 5.117 ug/l
RT: 4.318 min Scan# 402
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 96 Resp: 8977
Ion Ratio Lower Upper
96 100
61 156.7 127.8 191.8
98 79.1 49.2 73.8#





#13

Acrolein

Concen: 22.602 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.011 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

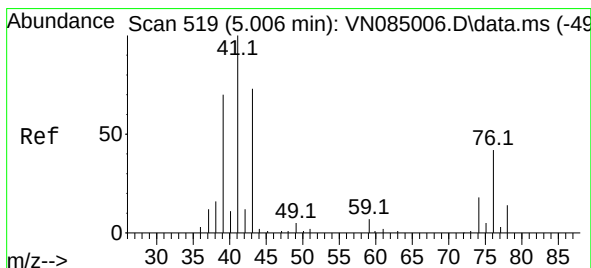
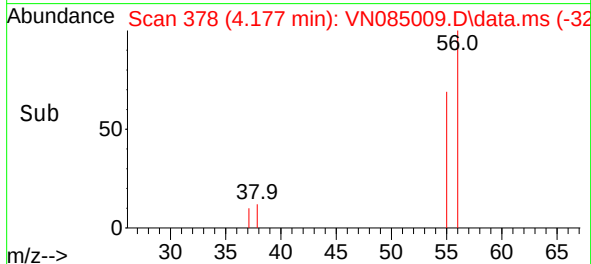
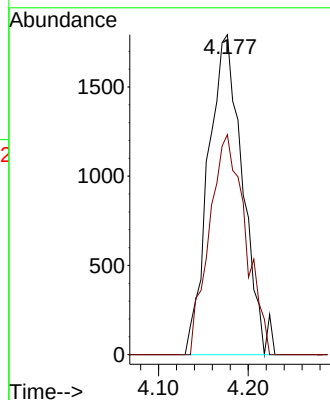
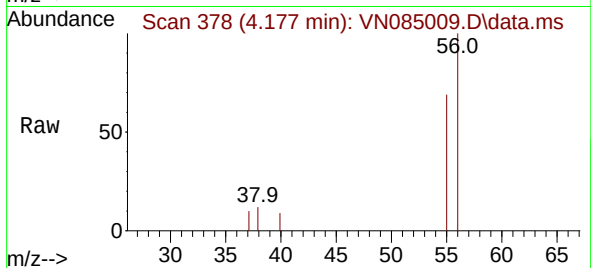
VSTDICC005

Tgt Ion: 56 Resp: 4745

Ion Ratio Lower Upper

56 100

55 72.5 54.5 81.7



#14

Allyl chloride

Concen: 4.882 ug/l

RT: 5.006 min Scan# 519

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

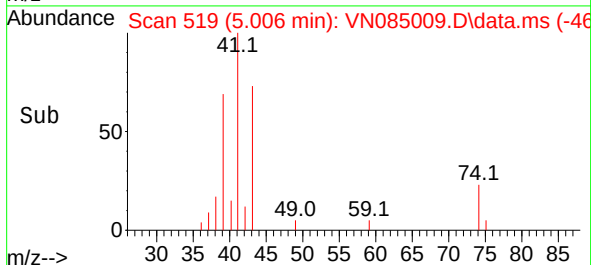
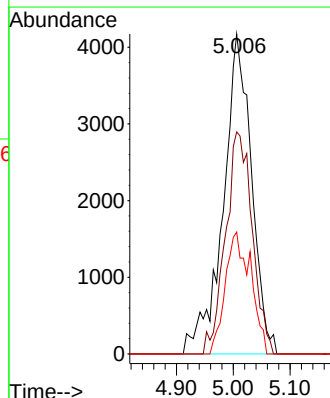
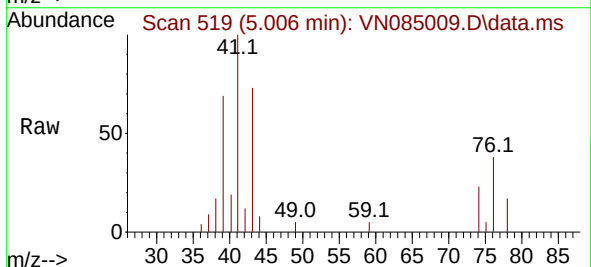
Tgt Ion: 41 Resp: 14439

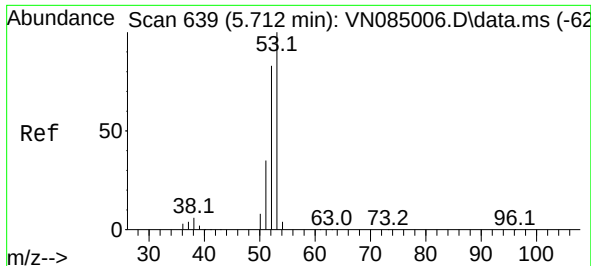
Ion Ratio Lower Upper

41 100

39 65.5 53.8 80.8

76 34.3 29.3 43.9

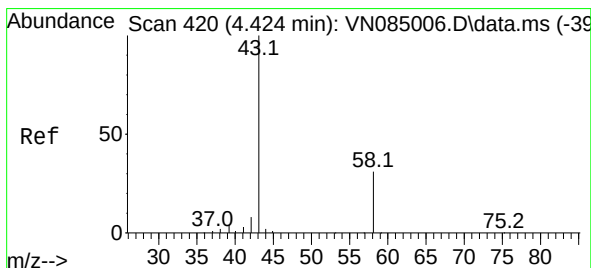
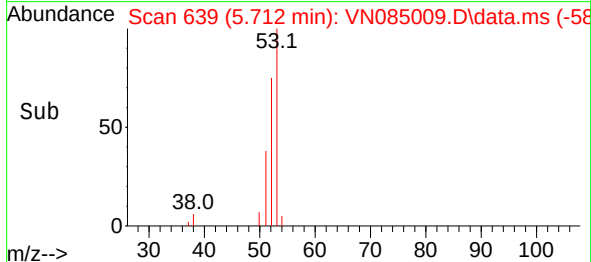
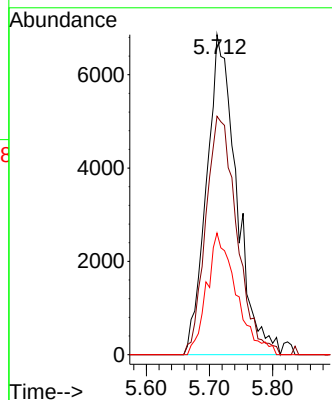
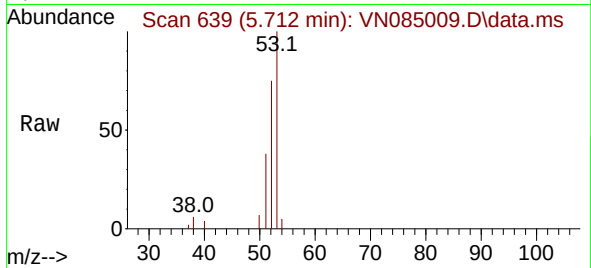




#15
Acrylonitrile
Concen: 25.403 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

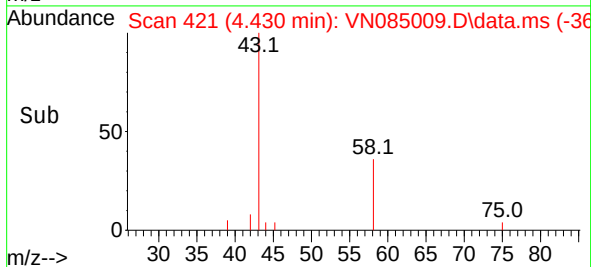
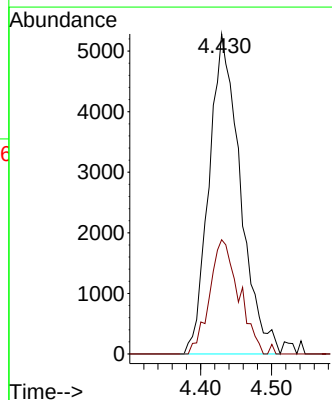
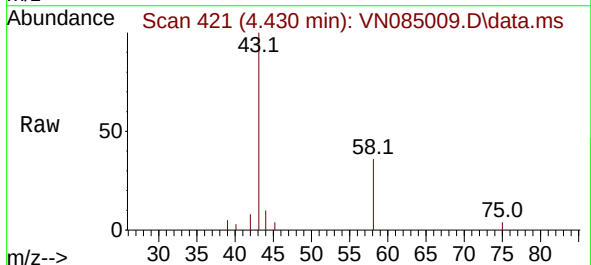
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

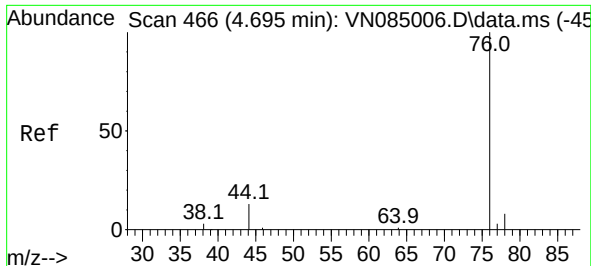
Tgt Ion:	53	Resp:	22627
Ion	Ratio	Lower	Upper
53	100		
52	77.5	65.5	98.3
51	37.5	28.4	42.6



#16
Acetone
Concen: 23.525 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:	43	Resp:	16131
Ion	Ratio	Lower	Upper
43	100		
58	35.7	25.4	38.2

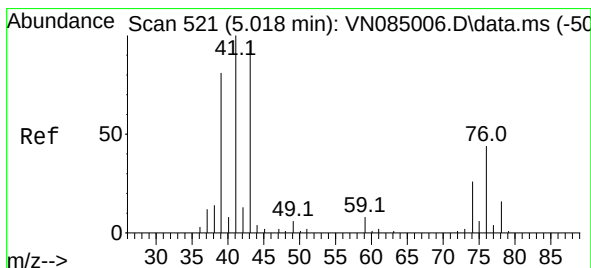
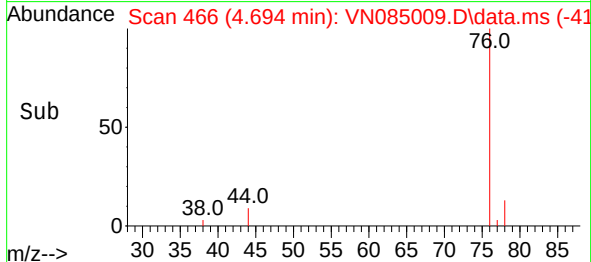
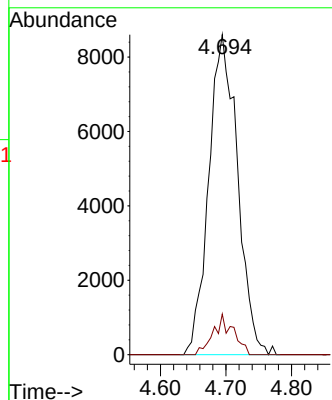
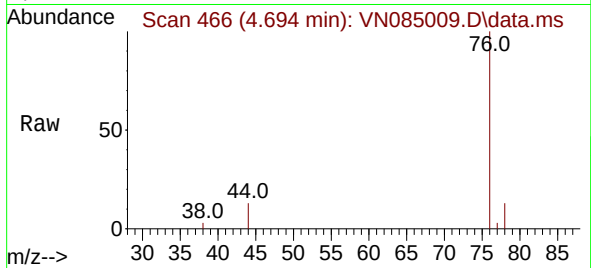




#17
Carbon Disulfide
Concen: 5.074 ug/l
RT: 4.694 min Scan# 466
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

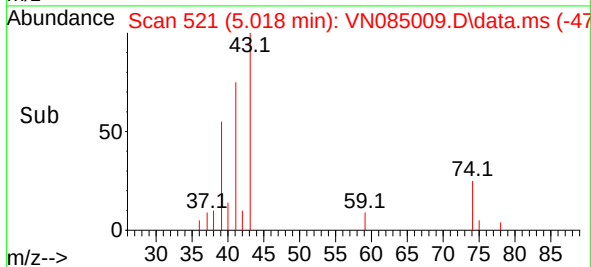
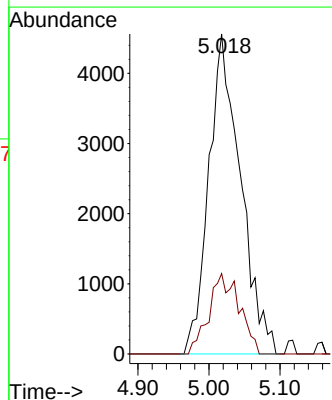
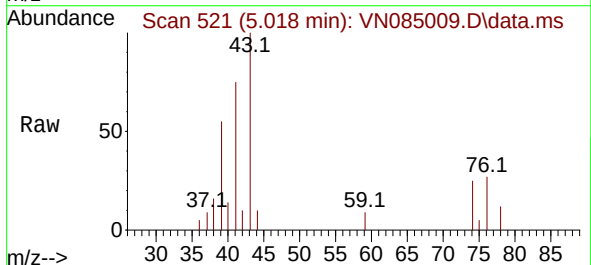
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

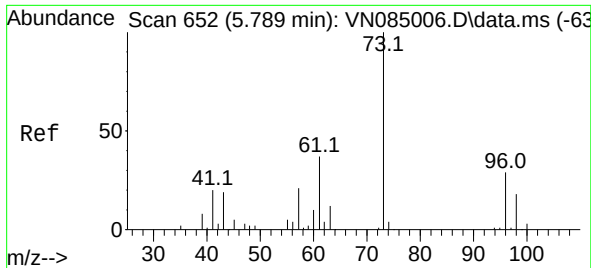
Tgt Ion: 76 Resp: 26272
Ion Ratio Lower Upper
76 100
78 12.7 6.5 9.7#



#18
Methyl Acetate
Concen: 5.429 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14139
Ion Ratio Lower Upper
43 100
74 24.2 20.1 30.1

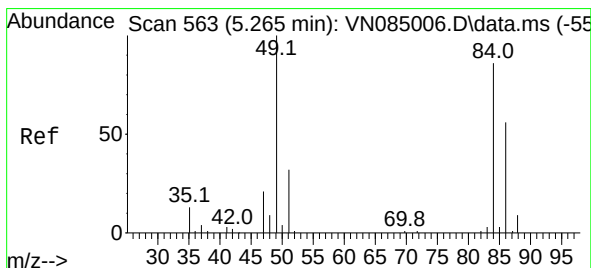
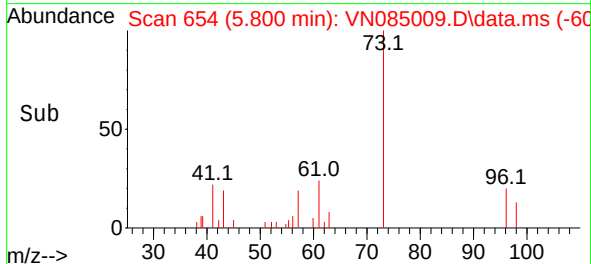
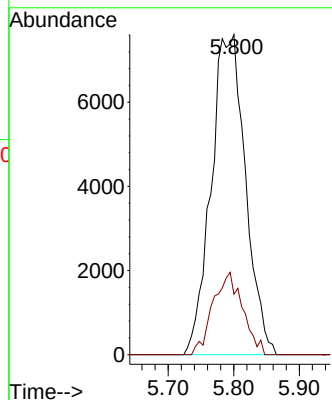
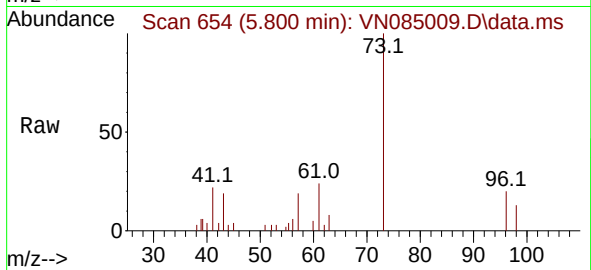




#19
Methyl tert-butyl Ether
Concen: 4.829 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

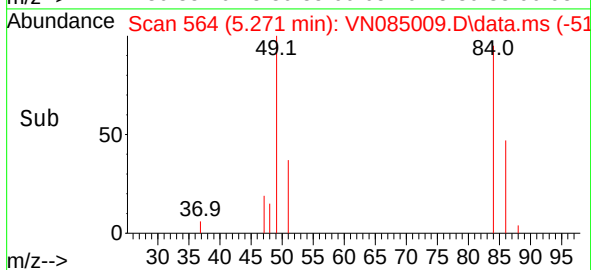
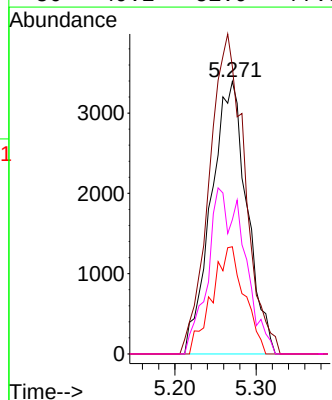
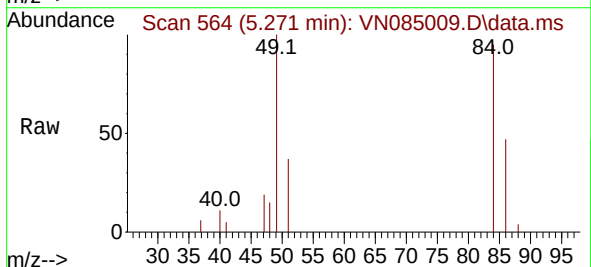
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

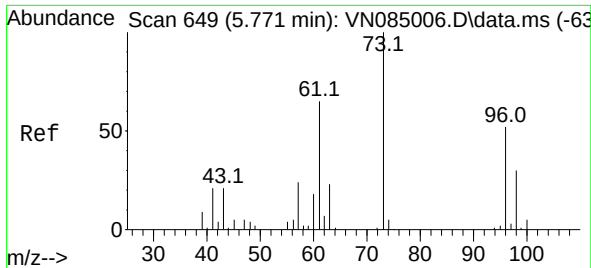
Tgt Ion: 73 Resp: 27679
Ion Ratio Lower Upper
73 100
57 18.9 17.0 25.4



#20
Methylene Chloride
Concen: 4.975 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 84 Resp: 10410
Ion Ratio Lower Upper
84 100
49 105.4 92.7 139.1
51 39.4 29.4 44.2
86 49.2 51.9 77.9#

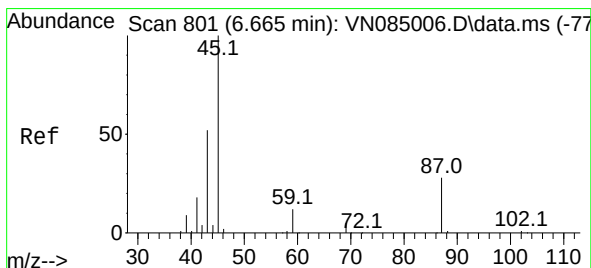
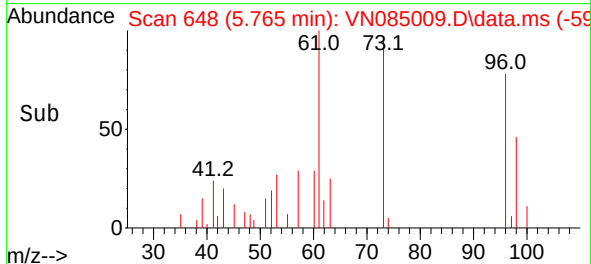
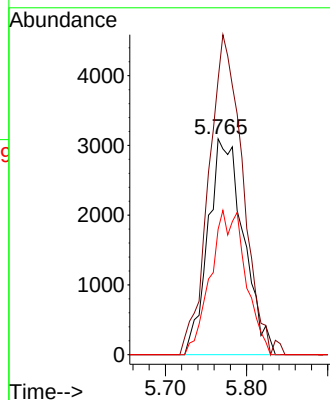
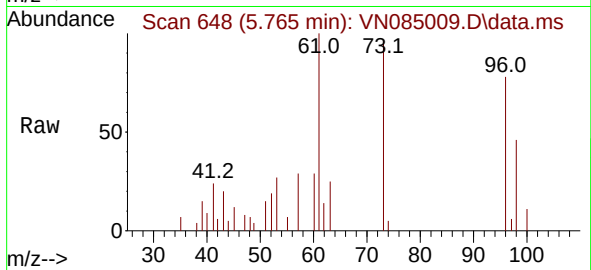




#21
trans-1,2-Dichloroethene
Concen: 5.085 ug/l
RT: 5.765 min Scan# 649
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

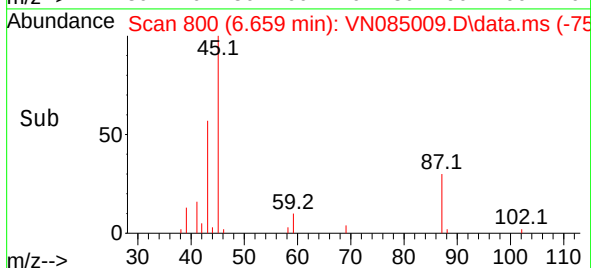
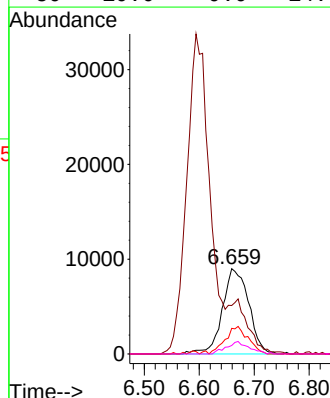
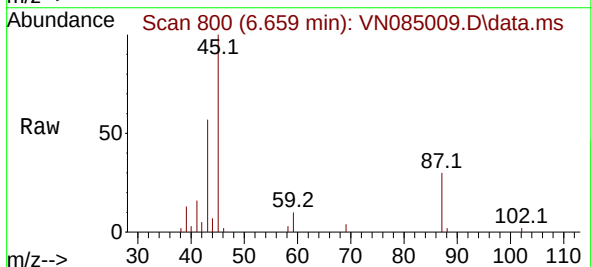
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

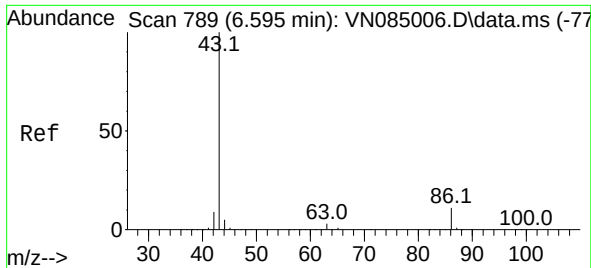
Tgt Ion: 96 Resp: 9388
Ion Ratio Lower Upper
96 100
61 127.5 100.7 151.1
98 58.1 45.8 68.6



#22
Diisopropyl ether
Concen: 5.043 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 45 Resp: 30018
Ion Ratio Lower Upper
45 100
43 54.4 42.7 64.1
87 29.9 22.6 34.0
59 10.0 9.9 14.9

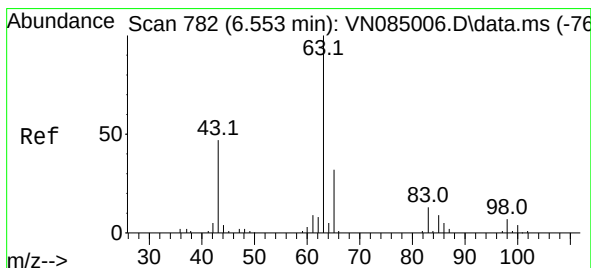
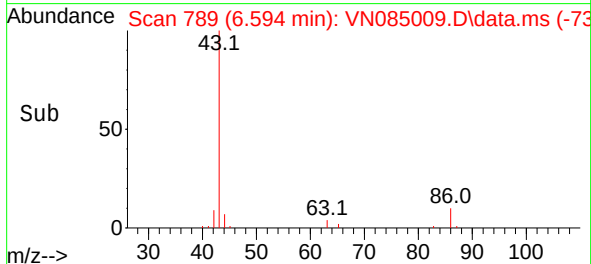
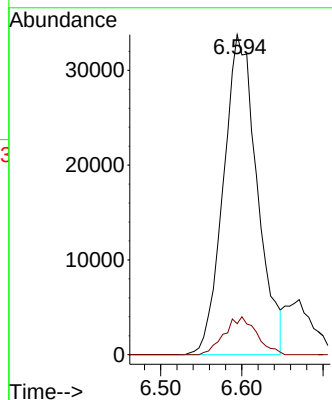
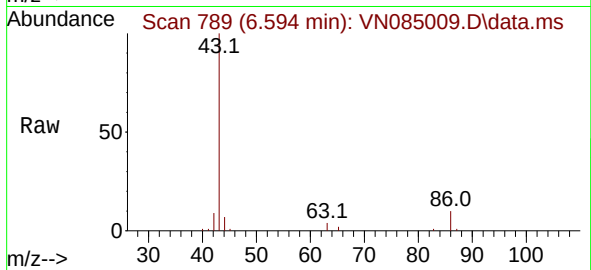




#23
 Vinyl Acetate
 Concen: 23.745 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

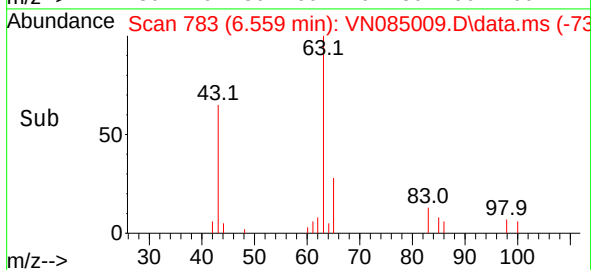
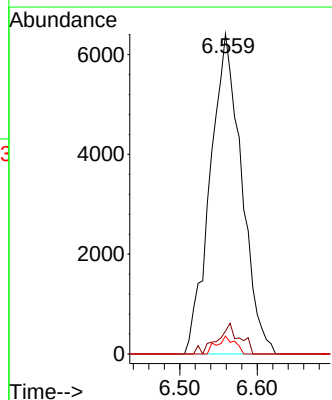
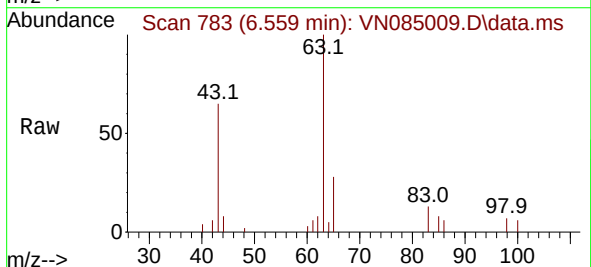
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

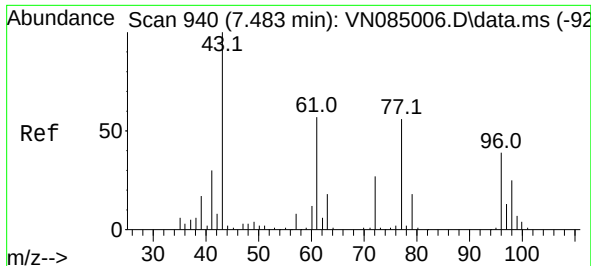
Tgt Ion: 43 Resp: 97507
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 5.066 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Tgt Ion: 63 Resp: 18044
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 5.6 2.2 6.6





#25

2-Butanone

Concen: 24.174 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

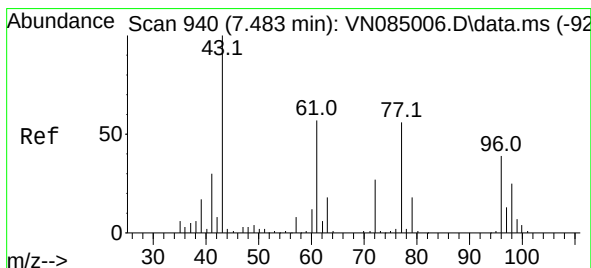
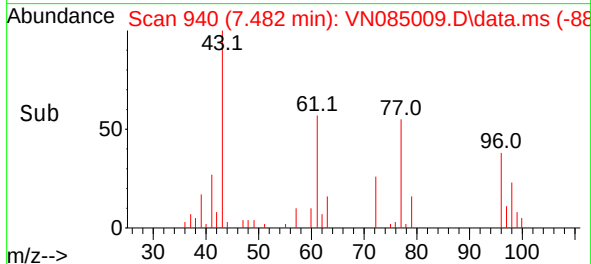
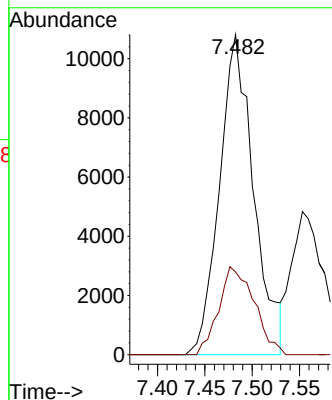
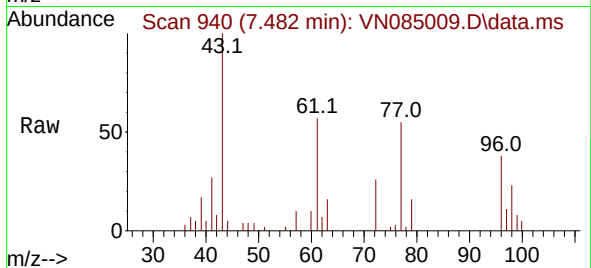
VSTDIC005

Tgt Ion: 43 Resp: 27100

Ion Ratio Lower Upper

43 100

72 25.9 21.4 32.0



#26

2,2-Dichloropropane

Concen: 4.968 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085009.D

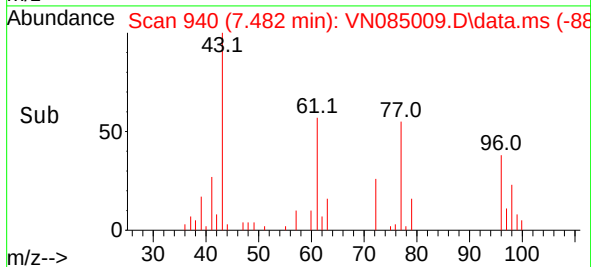
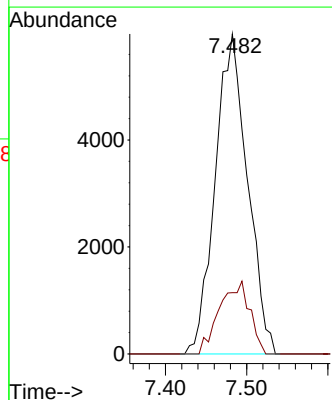
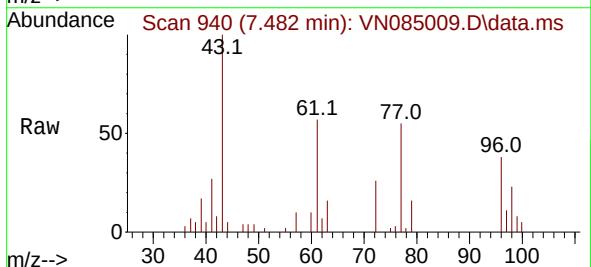
Acq: 22 Nov 2024 12:57

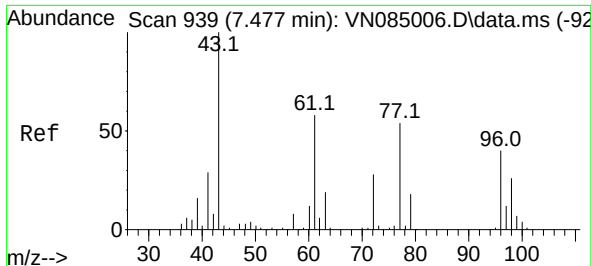
Tgt Ion: 77 Resp: 16525

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.7

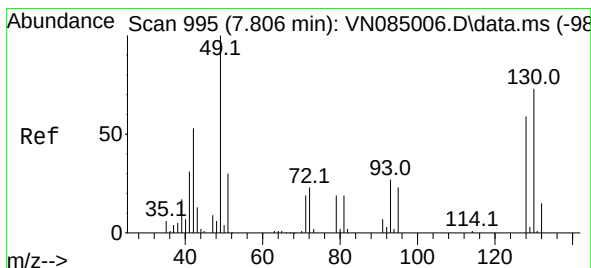
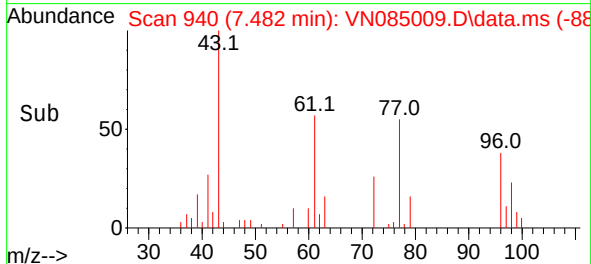
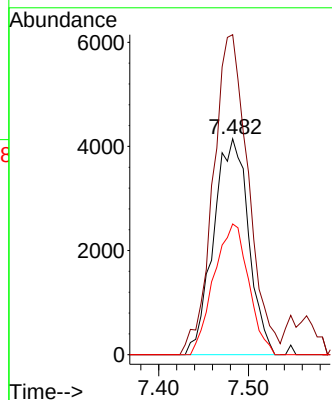
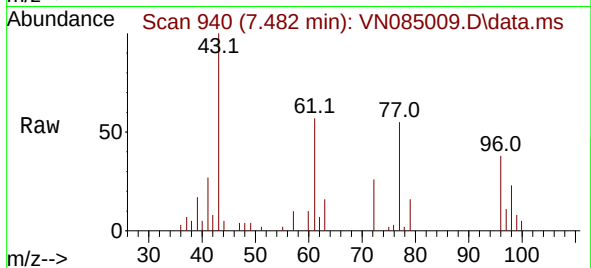




#27
 cis-1,2-Dichloroethene
 Concen: 5.055 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

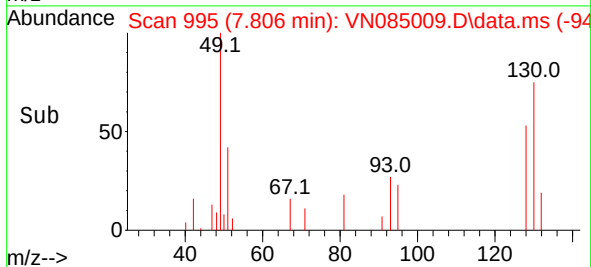
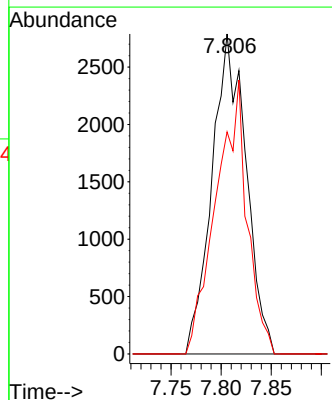
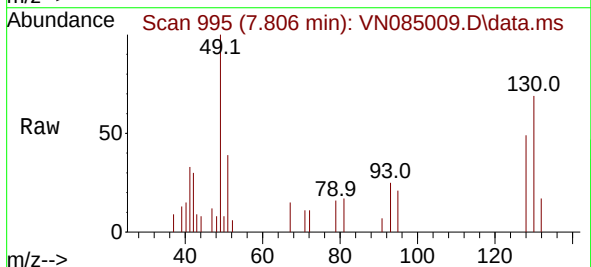
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

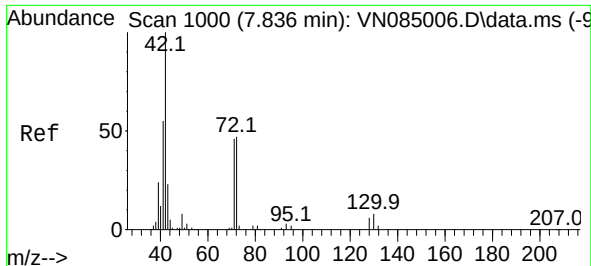
Tgt Ion: 96	Resp:	11250	
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.6
98	59.8	0.0	129.8



#28
 Bromochloromethane
 Concen: 4.903 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Tgt Ion: 49	Resp: 6592
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.0
130 77.4	60.6 90.8





#29

Tetrahydrofuran

Concen: 25.104 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

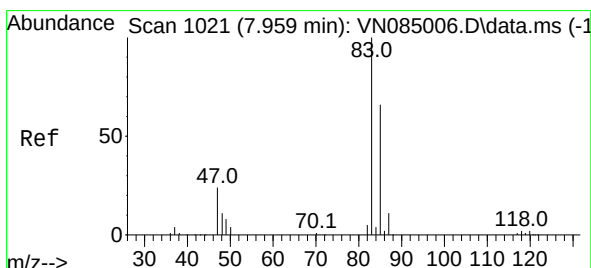
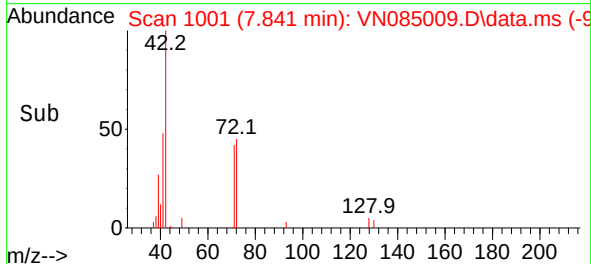
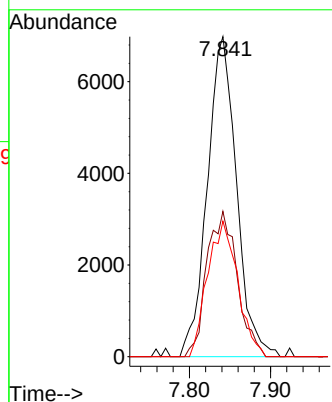
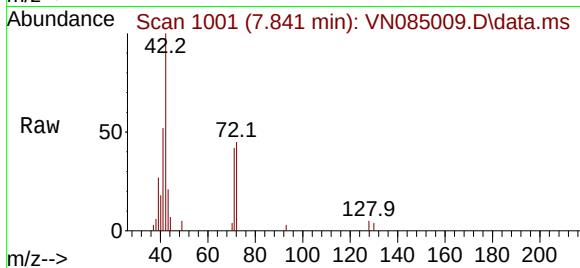
Tgt Ion: 42 Resp: 17501

Ion Ratio Lower Upper

42 100

72 47.1 37.0 55.4

71 43.6 35.0 52.4



#30

Chloroform

Concen: 4.971 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085009.D

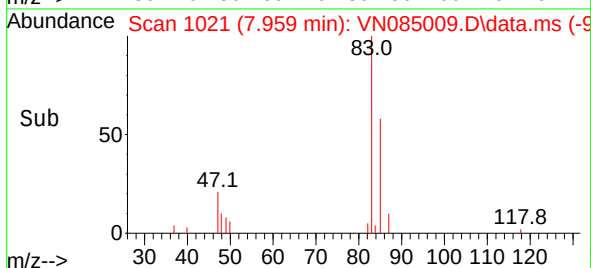
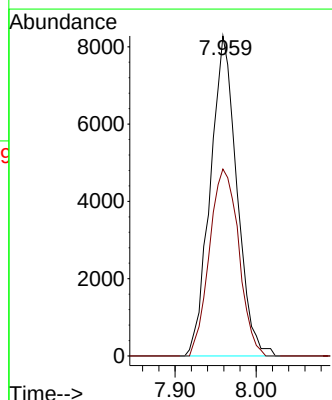
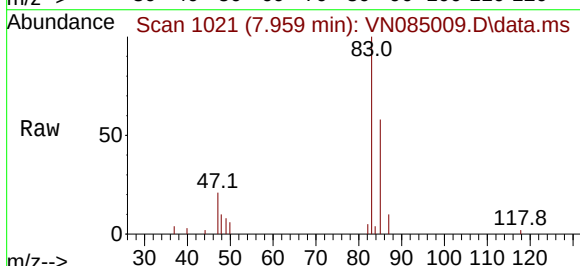
Acq: 22 Nov 2024 12:57

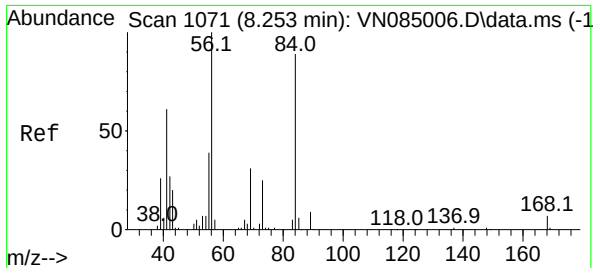
Tgt Ion: 83 Resp: 18837

Ion Ratio Lower Upper

83 100

85 58.4 52.6 78.8

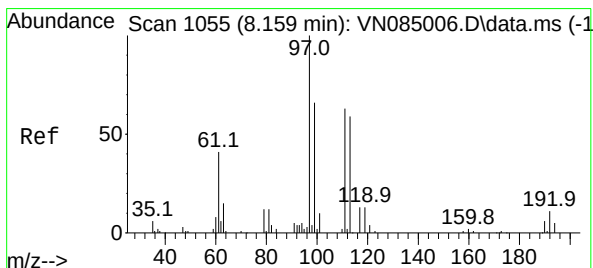
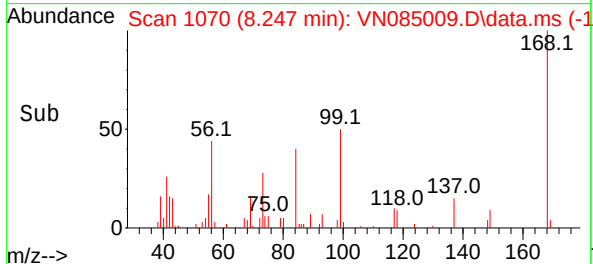
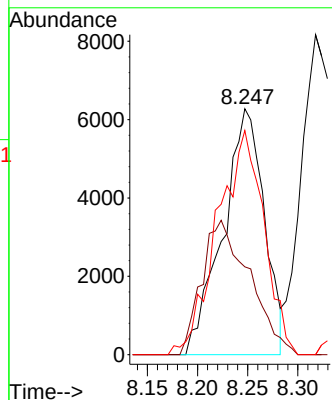
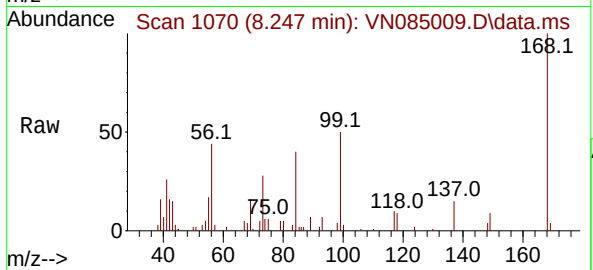




#31
Cyclohexane
Concen: 5.751 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

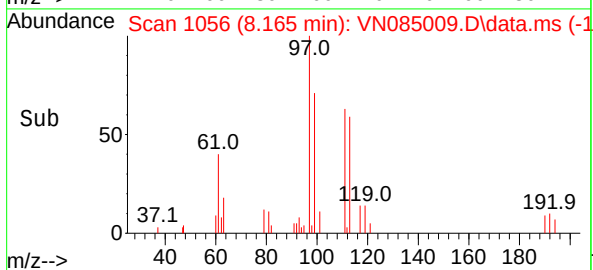
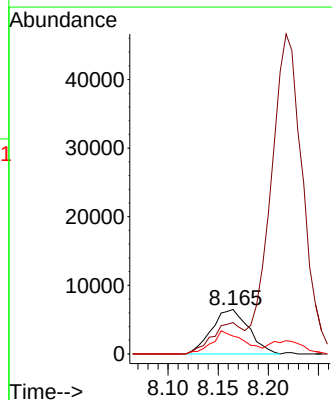
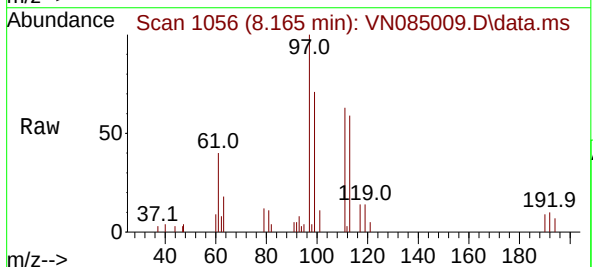
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

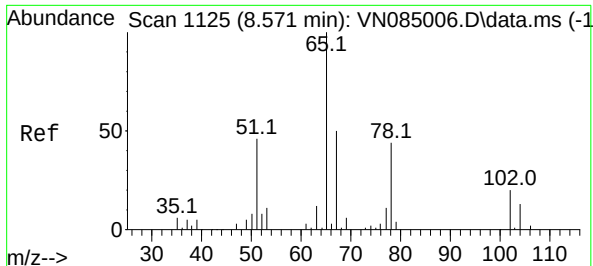
Tgt Ion: 56 Resp: 18036
Ion Ratio Lower Upper
56 100
69 35.7 24.6 36.8
84 88.0 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 4.851 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 97 Resp: 16611
Ion Ratio Lower Upper
97 100
99 59.1 51.0 76.4
61 45.2 36.2 54.2

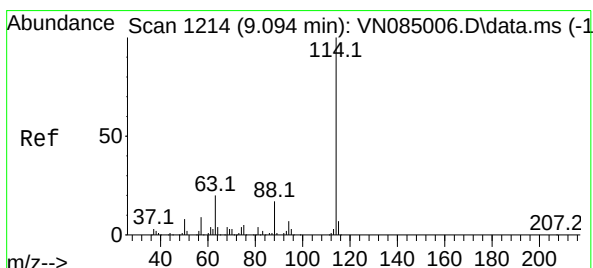
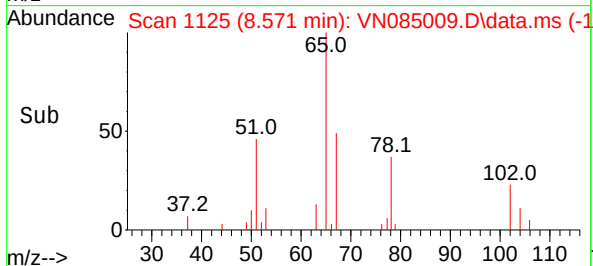
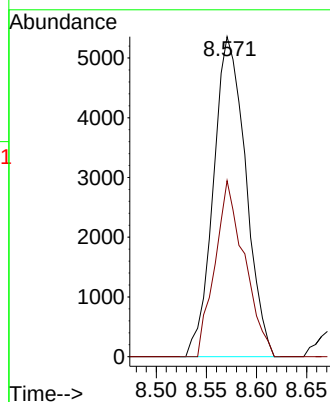
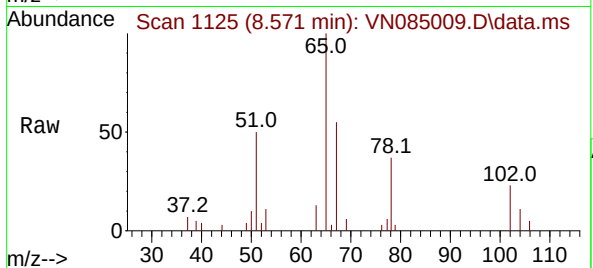




#33
1,2-Dichloroethane-d4
Concen: 5.087 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

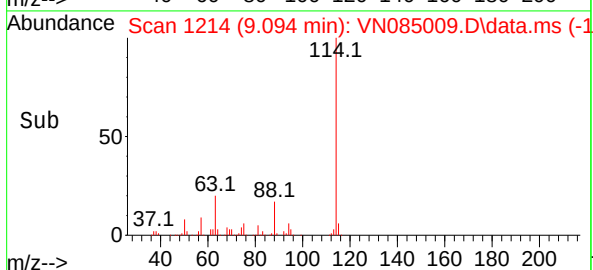
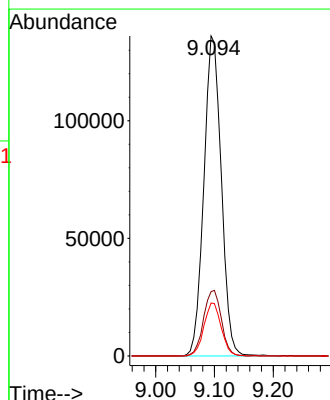
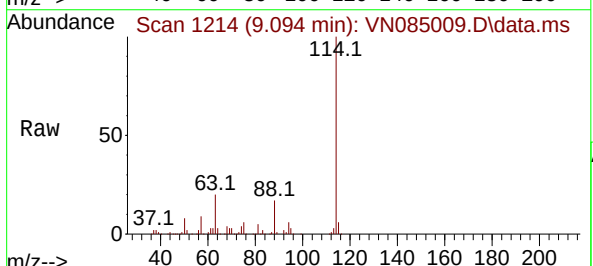
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

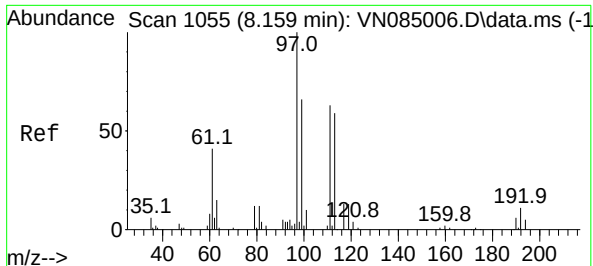
Tgt Ion: 65 Resp: 11977
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 114 Resp: 280025
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.0
88 16.6 0.0 34.8





#35

Dibromofluoromethane

Concen: 5.082 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

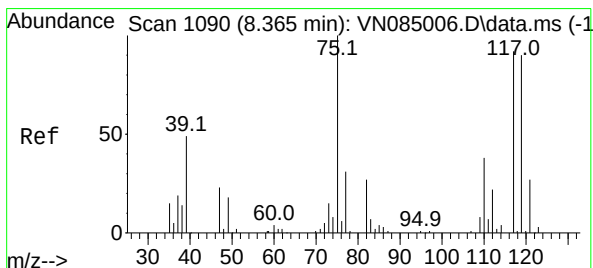
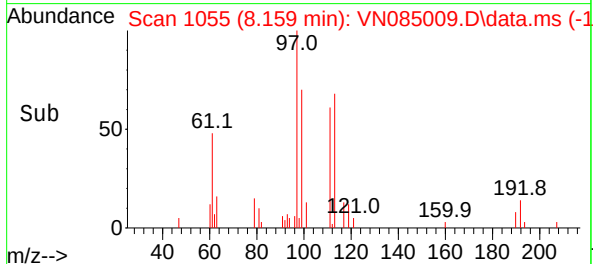
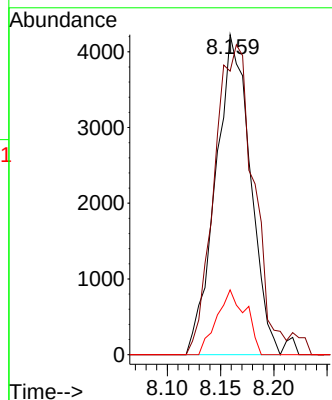
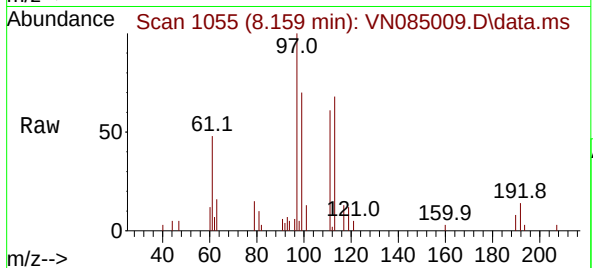
Tgt Ion:113 Resp: 9597

Ion Ratio Lower Upper

113 100

111 109.7 82.0 123.0

192 17.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.140 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

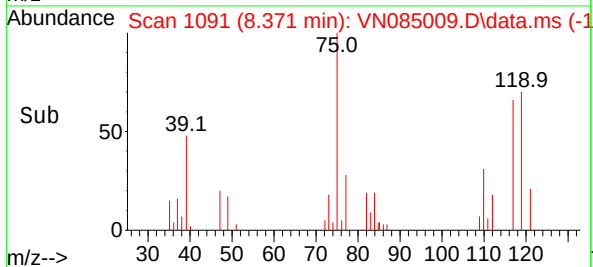
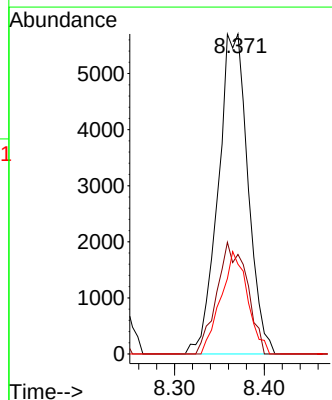
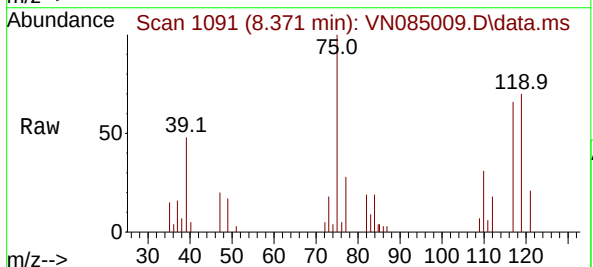
Tgt Ion: 75 Resp: 13147

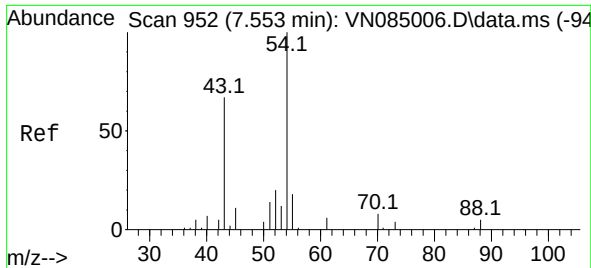
Ion Ratio Lower Upper

75 100

110 35.2 17.2 51.6

77 28.9 24.2 36.4

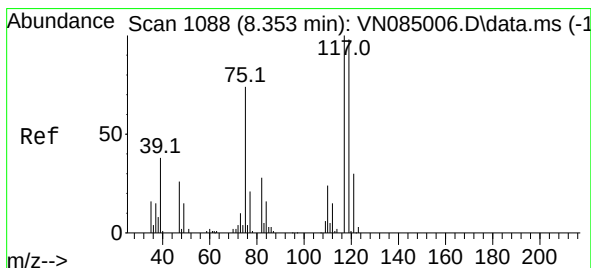
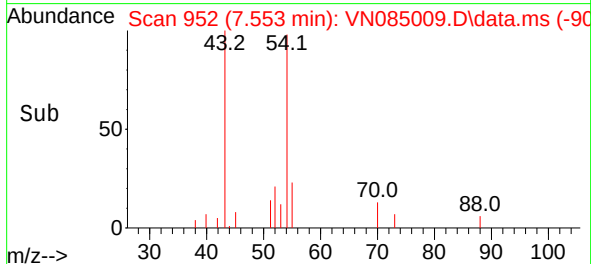
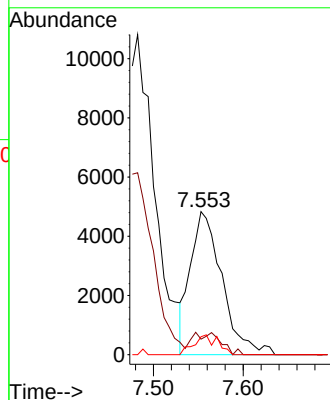
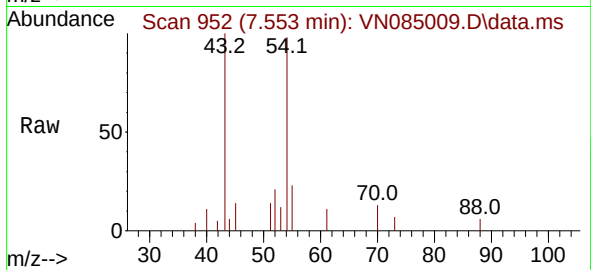




#37
Ethyl Acetate
Concen: 5.114 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

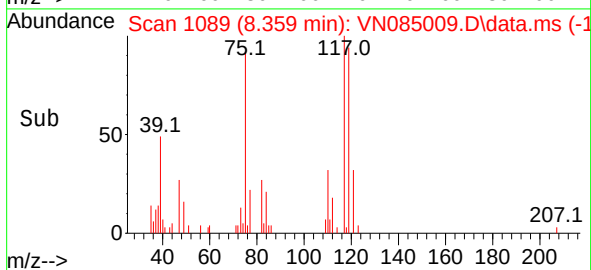
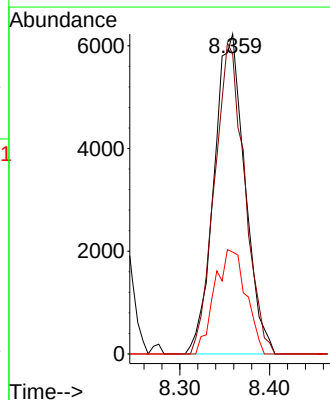
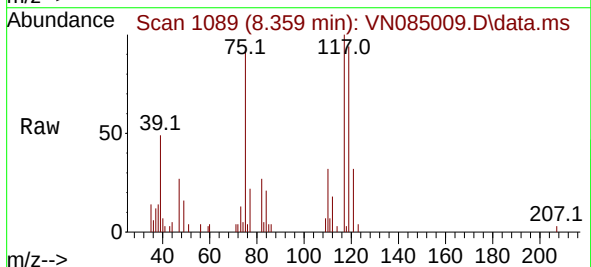
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

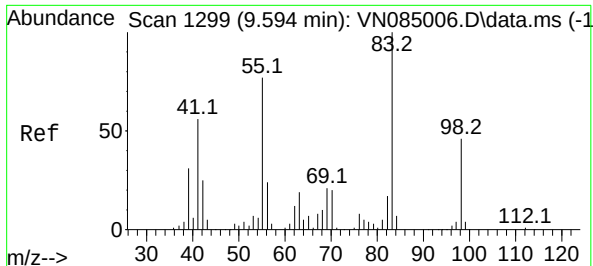
Tgt Ion: 43 Resp: 11891
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 10.4 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.022 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 117 Resp: 14827
Ion Ratio Lower Upper
117 100
119 93.7 78.6 117.8
121 31.8 24.2 36.2





#39

Methylcyclohexane

Concen: 4.945 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

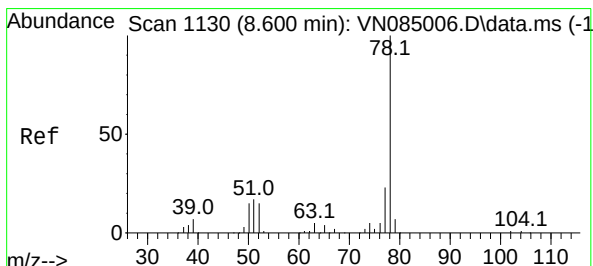
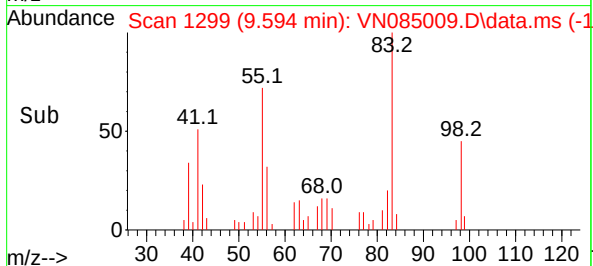
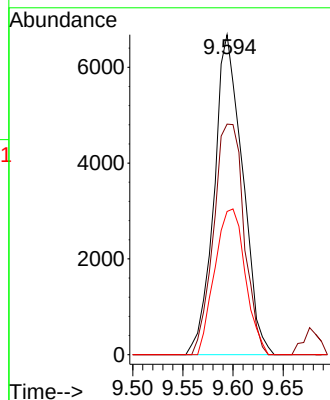
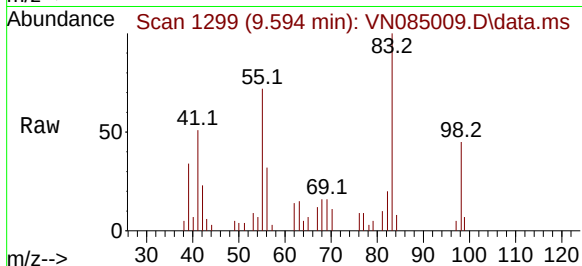
Tgt Ion: 83 Resp: 13143

Ion Ratio Lower Upper

83 100

55 72.1 61.8 92.6

98 44.8 37.0 55.6



#40

Benzene

Concen: 5.026 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085009.D

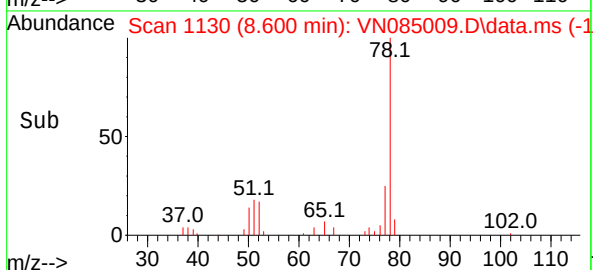
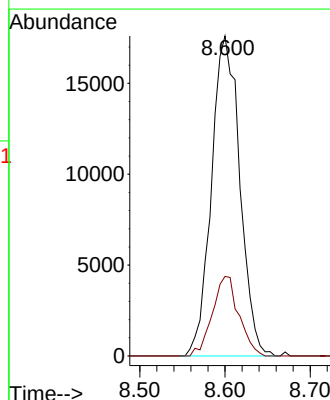
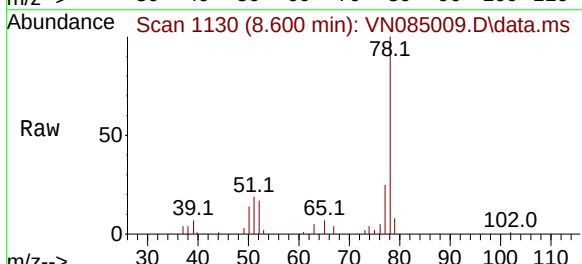
Acq: 22 Nov 2024 12:57

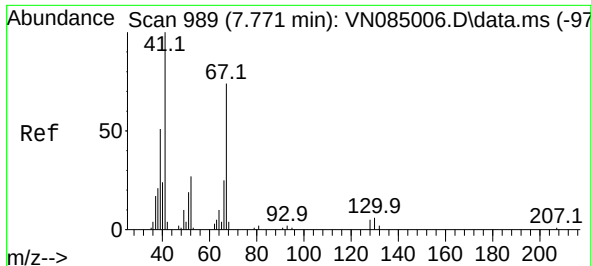
Tgt Ion: 78 Resp: 40657

Ion Ratio Lower Upper

78 100

77 24.8 18.5 27.7

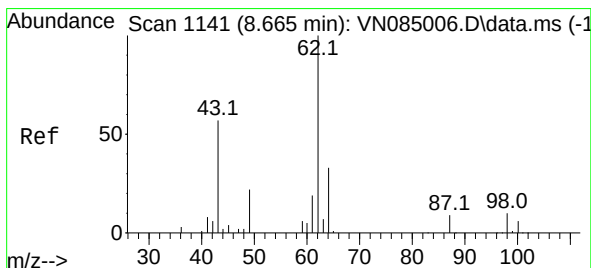
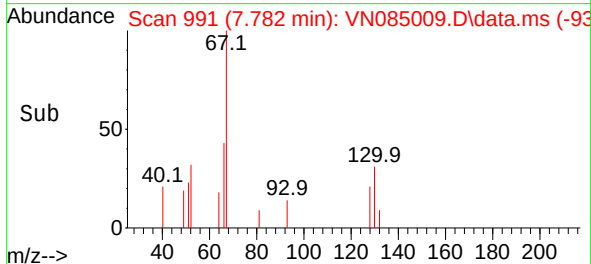
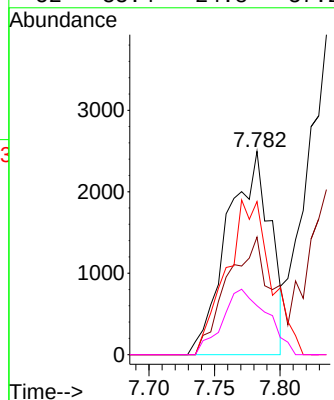
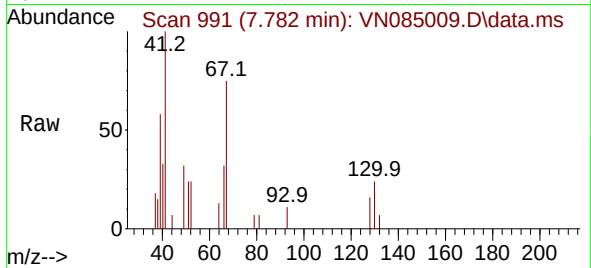




#41
Methacrylonitrile
Concen: 4.417 ug/l
RT: 7.782 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

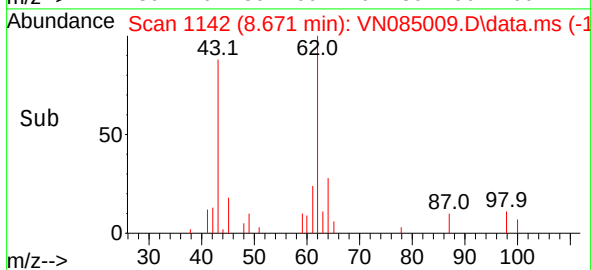
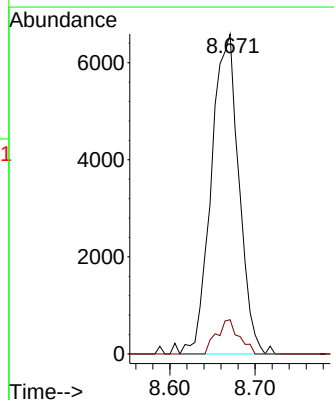
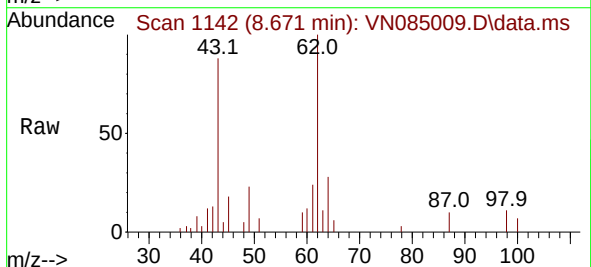
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

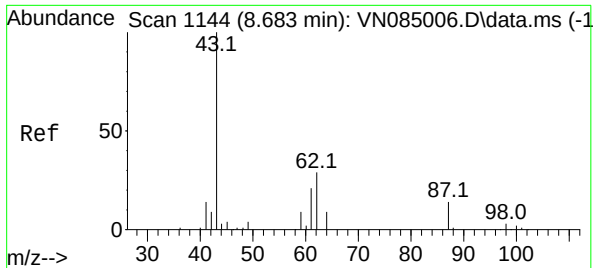
Tgt Ion: 41	Resp: 5687
Ion Ratio	Lower Upper
41 100	
39 60.9	42.6 63.8
67 78.7	59.9 89.9
52 33.4	24.8 37.2



#42
1,2-Dichloroethane
Concen: 5.356 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 62	Resp: 14824
Ion Ratio	Lower Upper
62 100	
98 8.6	0.0 18.2

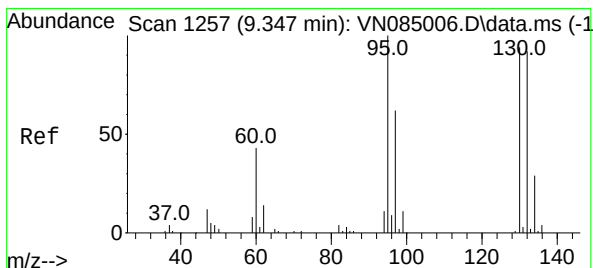
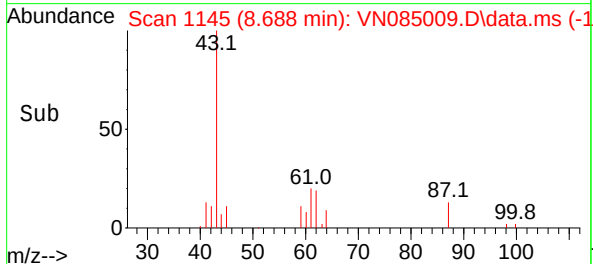
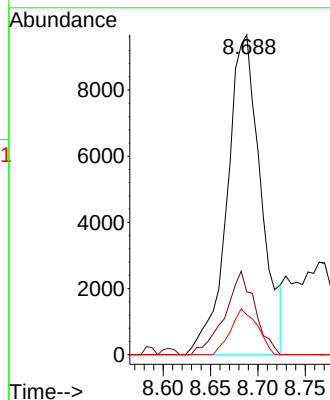
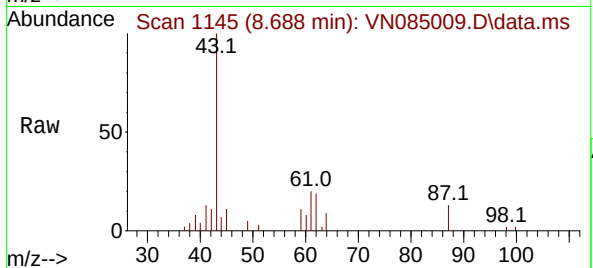




#43
Isopropyl Acetate
Concen: 4.947 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

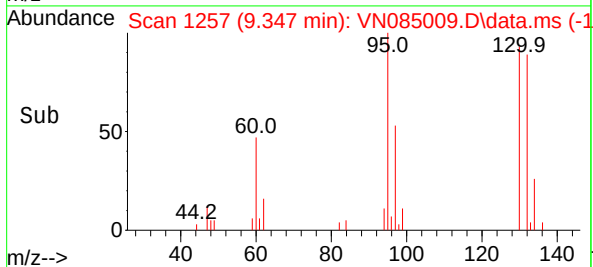
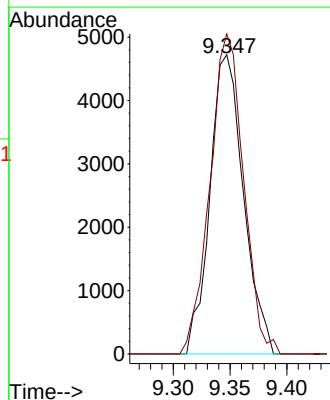
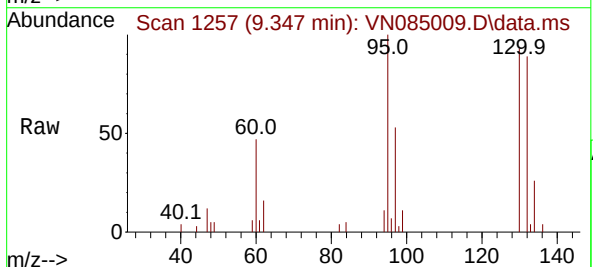
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

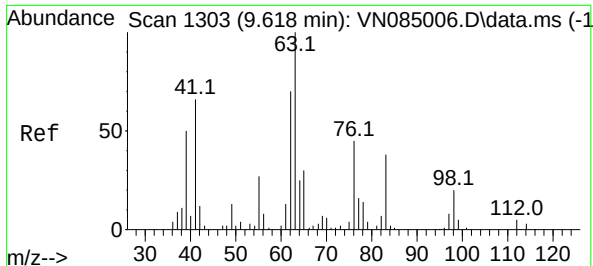
Tgt Ion: 43 Resp: 23894
Ion Ratio Lower Upper
43 100
61 23.4 20.6 30.8
87 11.4 11.0 16.4



#44
Trichloroethene
Concen: 5.165 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 130 Resp: 9711
Ion Ratio Lower Upper
130 100
95 107.0 0.0 213.4

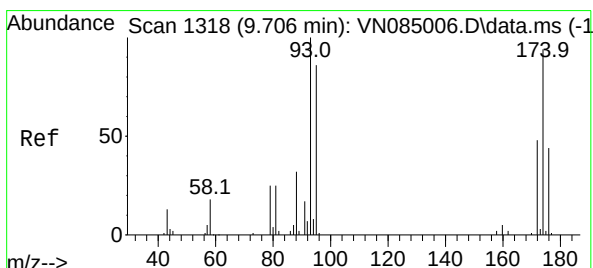
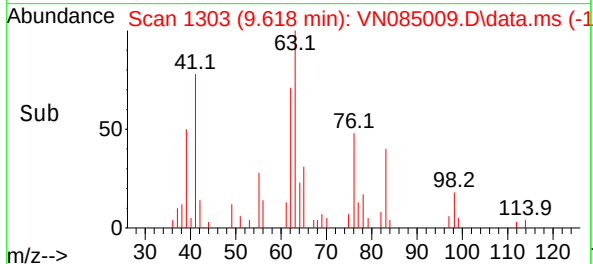
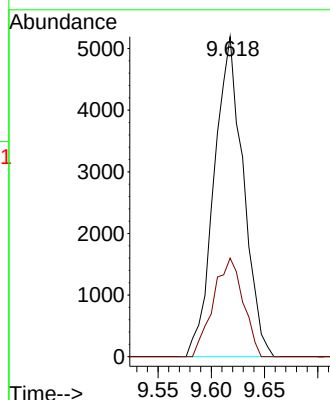
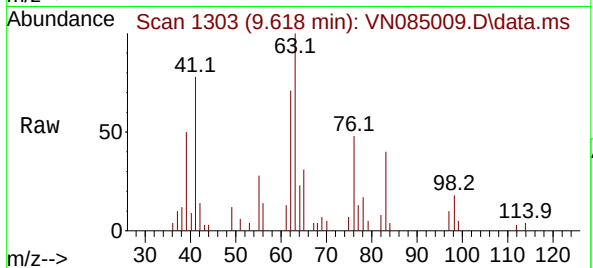




#45
1,2-Dichloropropane
Concen: 4.948 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

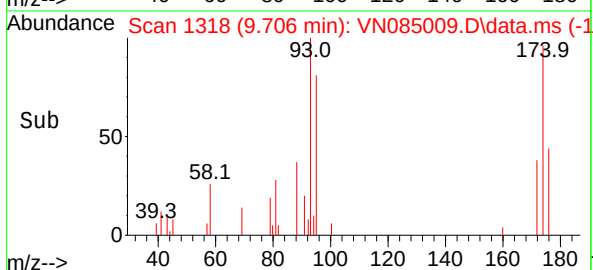
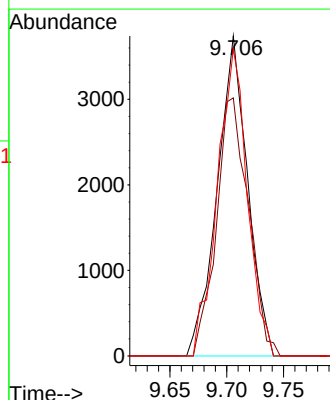
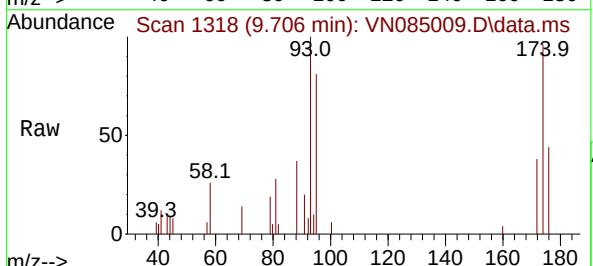
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

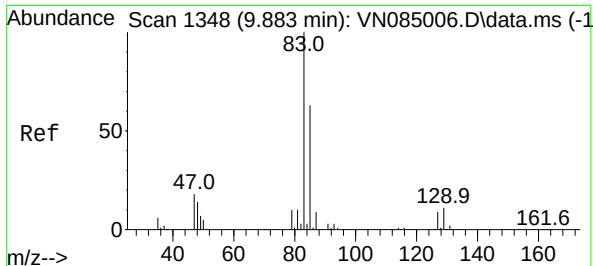
Tgt Ion: 63 Resp: 9859
Ion Ratio Lower Upper
63 100
65 30.8 24.0 36.0



#46
Dibromomethane
Concen: 5.028 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 93 Resp: 6962
Ion Ratio Lower Upper
93 100
95 85.5 66.2 99.4
174 94.3 74.9 112.3





#47

Bromodichloromethane

Concen: 4.962 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

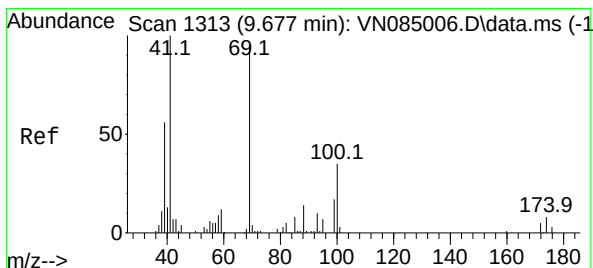
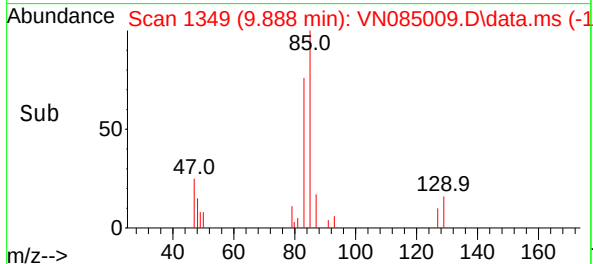
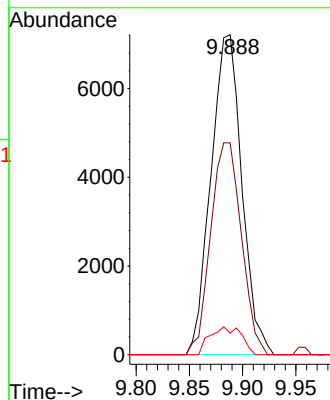
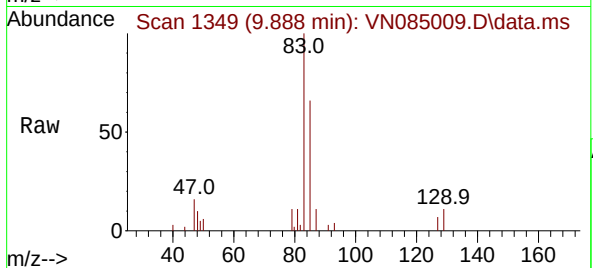
Tgt Ion: 83 Resp: 14562

Ion Ratio Lower Upper

83 100

85 66.2 50.5 75.7

127 6.8 7.1 10.7#



#48

Methyl methacrylate

Concen: 4.918 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

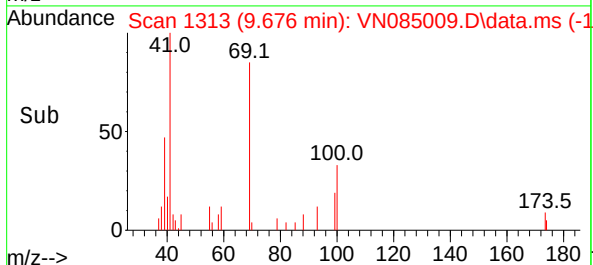
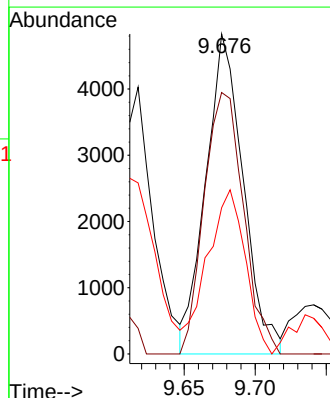
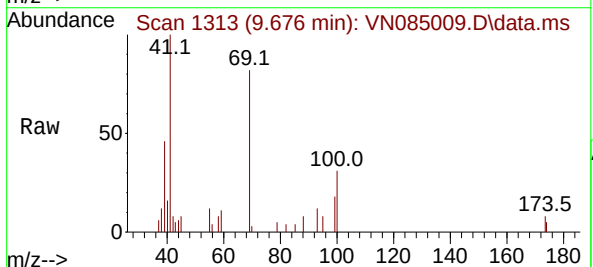
Tgt Ion: 41 Resp: 8840

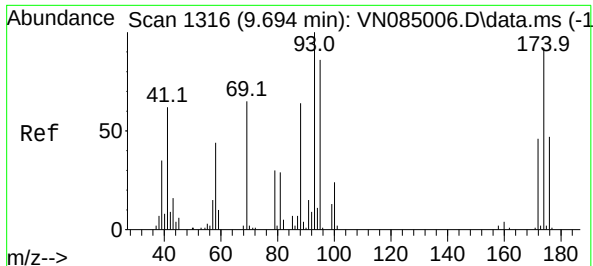
Ion Ratio Lower Upper

41 100

69 86.1 73.2 109.8

39 52.3 46.2 69.4





#49

1,4-Dioxane

Concen: 94.738 ug/l

RT: 9.694 min Scan# 1463

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

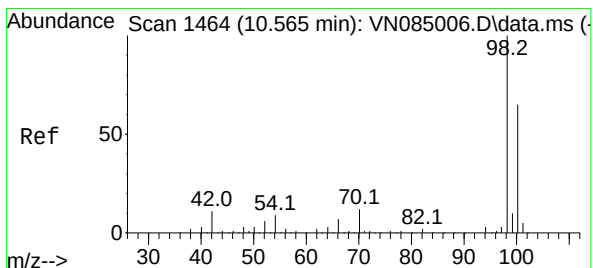
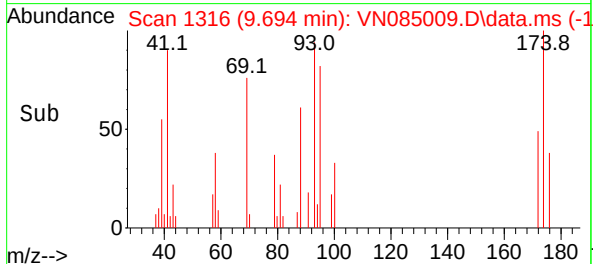
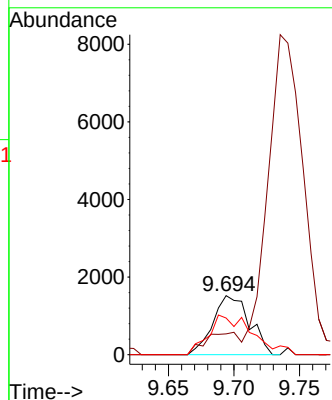
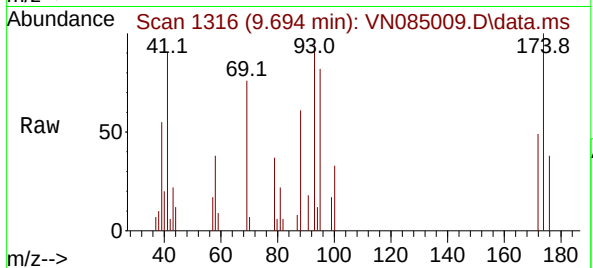
Tgt Ion: 88 Resp: 2953

Ion Ratio Lower Upper

88 100

43 35.6 16.7 25.1#

58 80.8 56.5 84.7



#50

Toluene-d8

Concen: 4.775 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085009.D

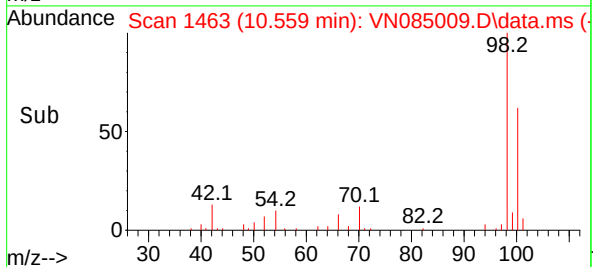
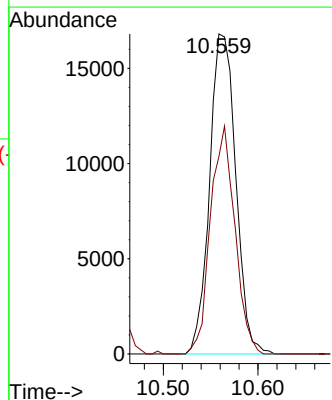
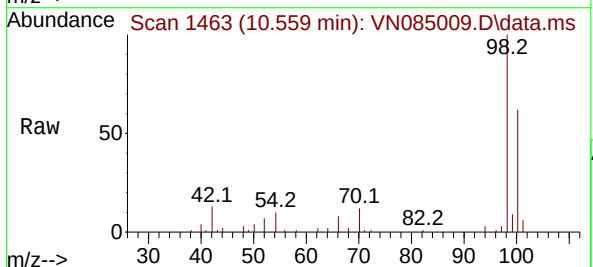
Acq: 22 Nov 2024 12:57

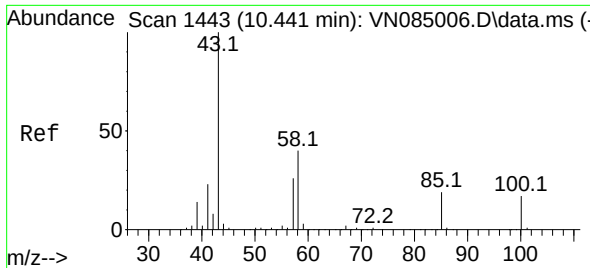
Tgt Ion: 98 Resp: 32318

Ion Ratio Lower Upper

98 100

100 66.6 52.5 78.7

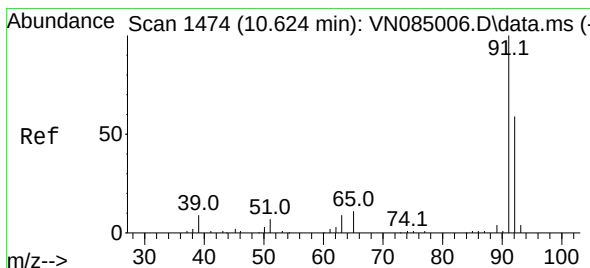
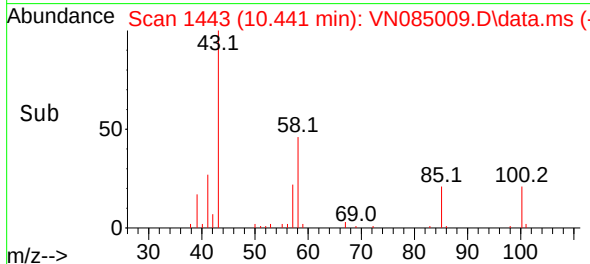
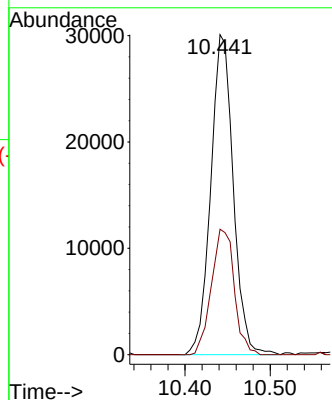
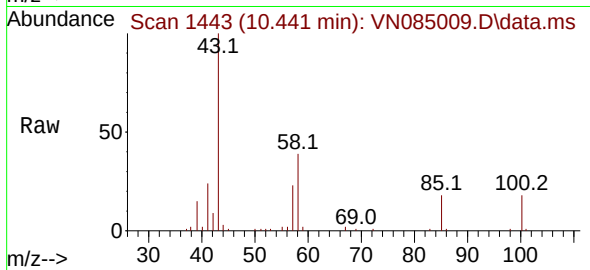




#51
4-Methyl-2-Pentanone
Concen: 25.010 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

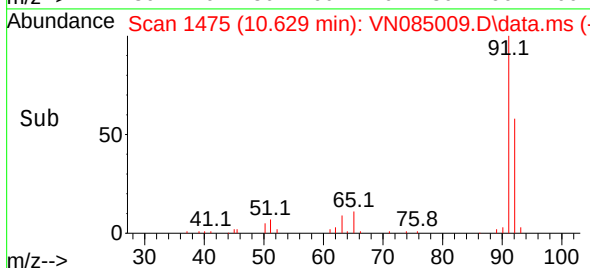
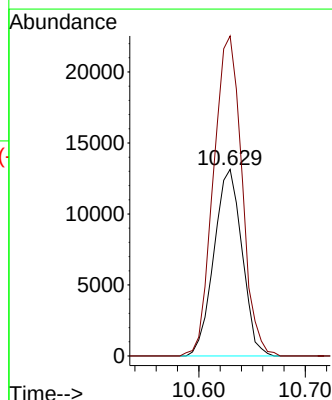
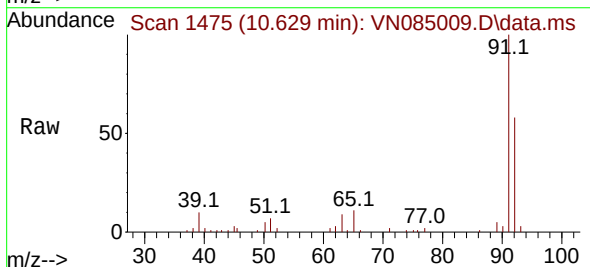
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

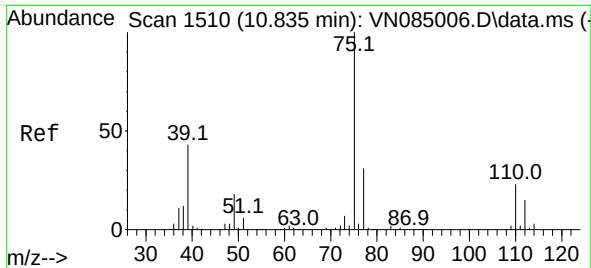
Tgt Ion: 43 Resp: 55176
Ion Ratio Lower Upper
43 100
58 39.8 32.1 48.1



#52
Toluene
Concen: 5.022 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 92 Resp: 24051
Ion Ratio Lower Upper
92 100
91 173.6 136.7 205.1

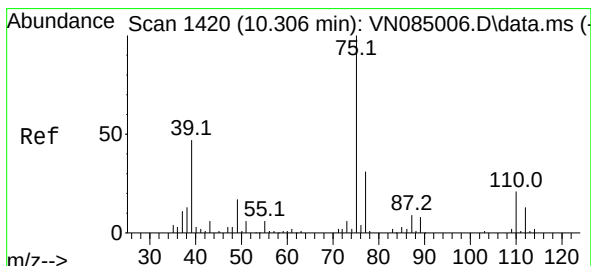
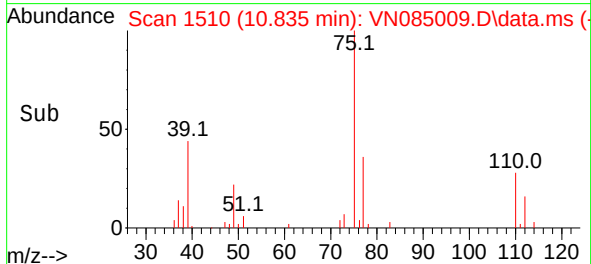
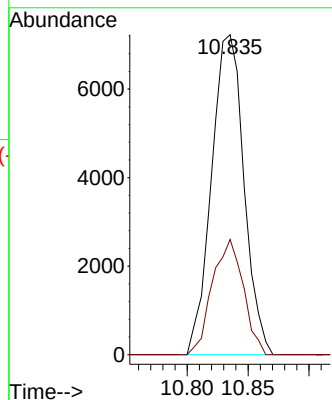
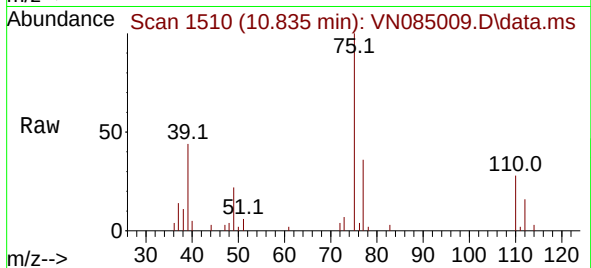




#53
 t-1,3-Dichloropropene
 Concen: 4.559 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

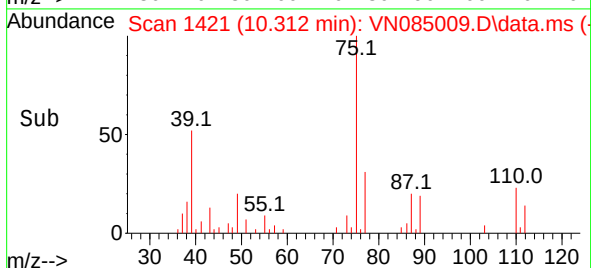
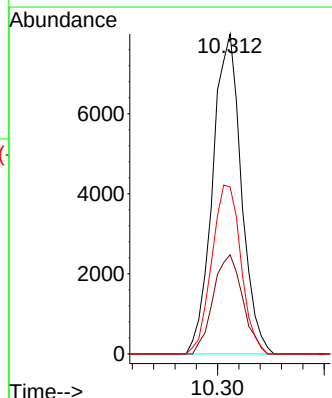
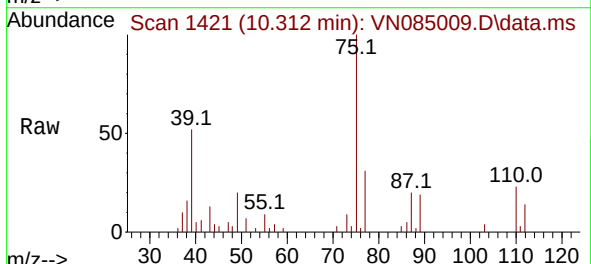
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

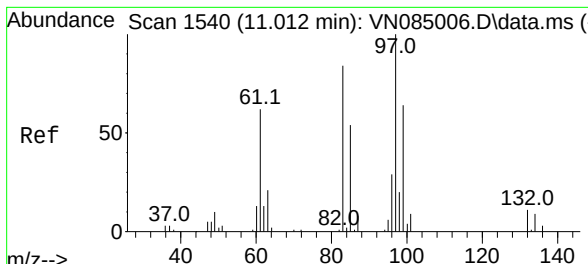
Tgt Ion: 75 Resp: 13412
 Ion Ratio Lower Upper
 75 100
 77 36.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 4.779 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 14917
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.0 37.4
 39 52.2 37.6 56.4

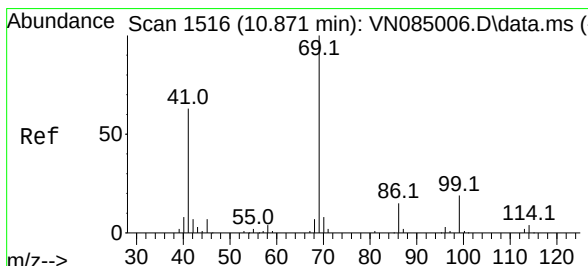
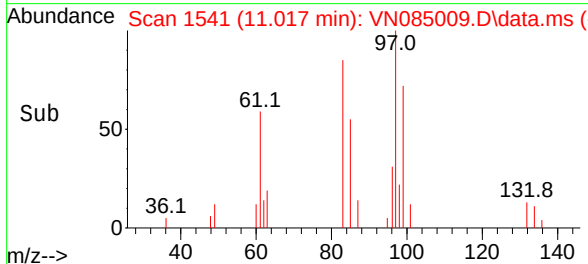
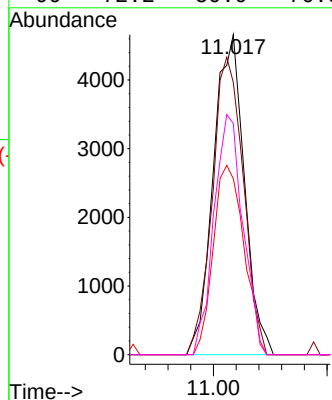
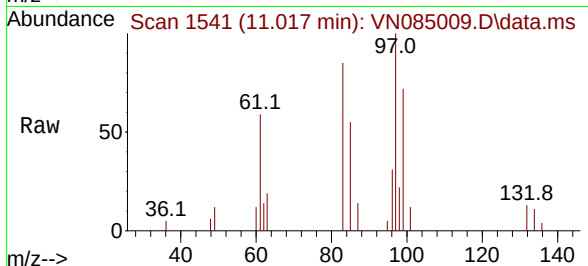




#55
 1,1,2-Trichloroethane
 Concen: 4.928 ug/l
 RT: 11.017 min Scan# 1540
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

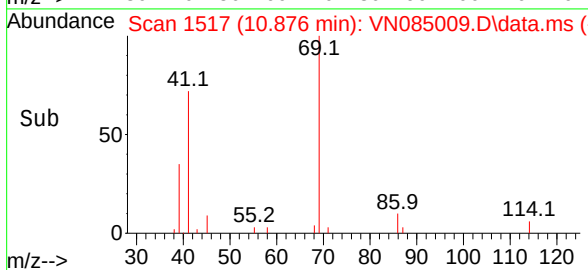
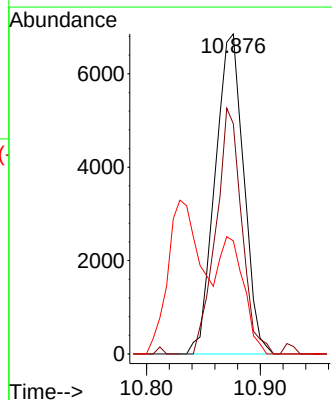
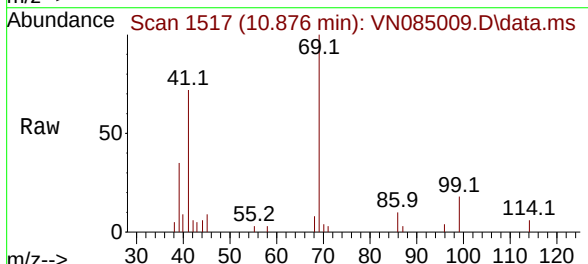
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

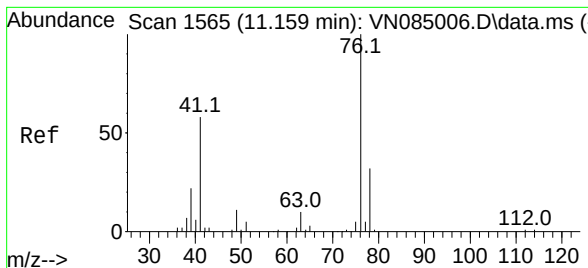
Tgt Ion:	97	Resp:	8791
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.2
85	55.0	43.1	64.7
99	72.2	50.9	76.3



#56
 Ethyl methacrylate
 Concen: 4.605 ug/l
 RT: 10.876 min Scan# 1517
 Delta R.T. 0.006 min
 Lab File: VN085009.D
 Acq: 22 Nov 2024 12:57

Tgt Ion:	69	Resp:	12004
Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.0	75.0
39	31.3	27.0	40.6





#57

1,3-Dichloropropane

Concen: 5.012 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

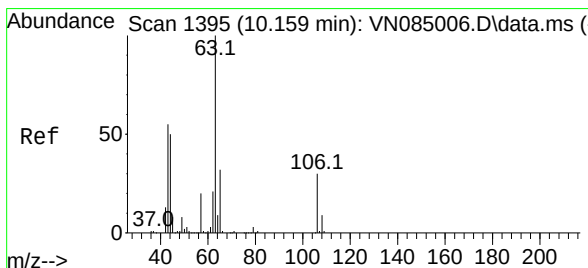
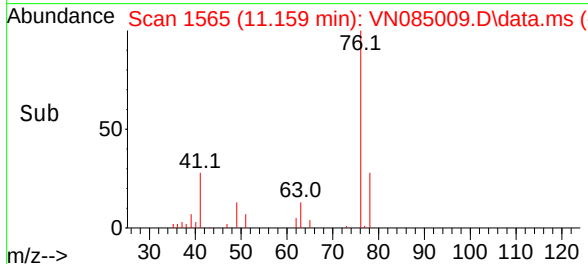
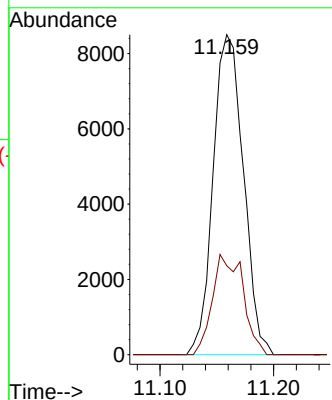
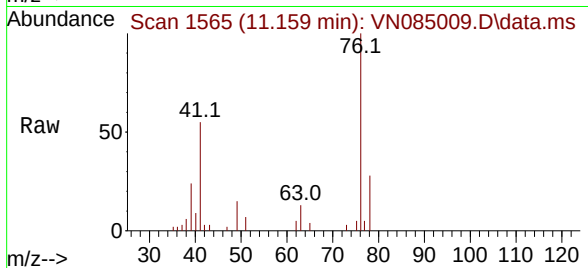
VSTDIC005

Tgt Ion: 76 Resp: 15736

Ion Ratio Lower Upper

76 100

78 31.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 21.254 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085009.D

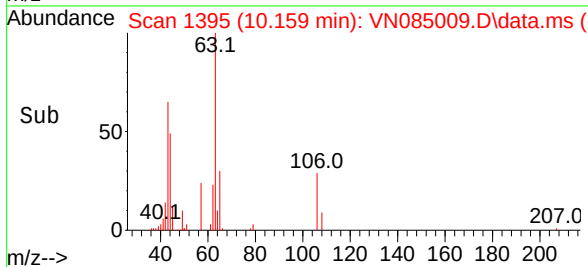
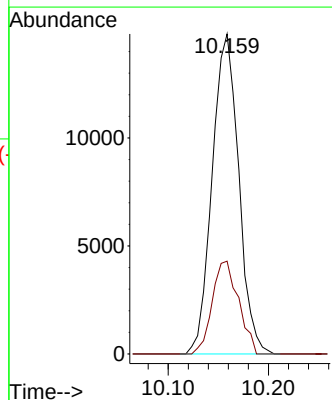
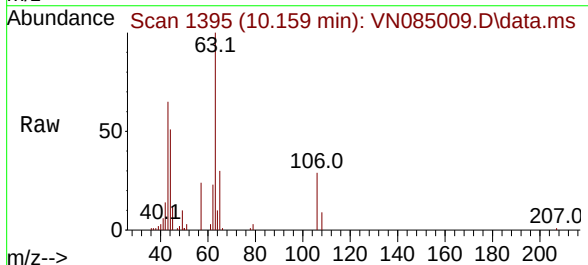
Acq: 22 Nov 2024 12:57

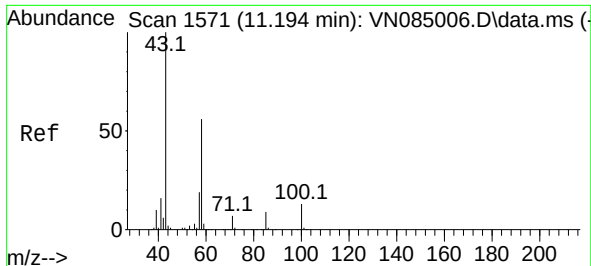
Tgt Ion: 63 Resp: 27177

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

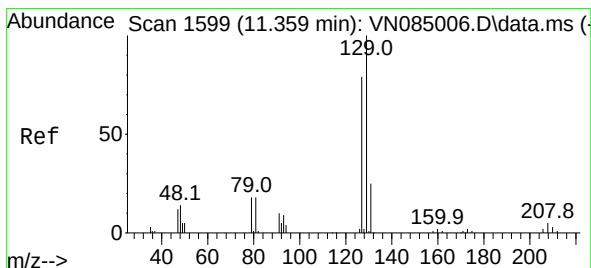
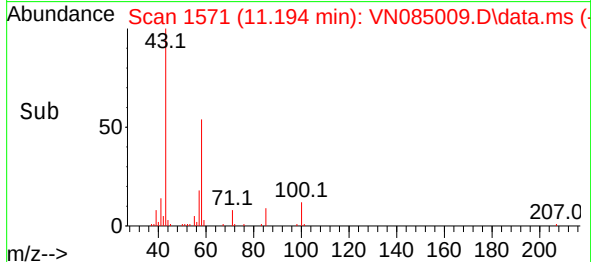
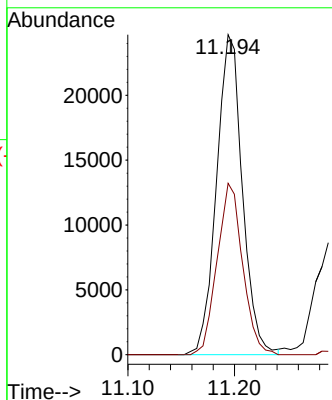
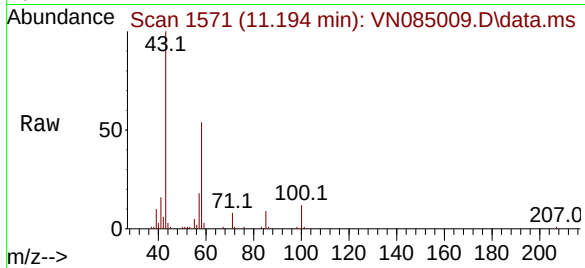




#59
2-Hexanone
Concen: 25.237 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

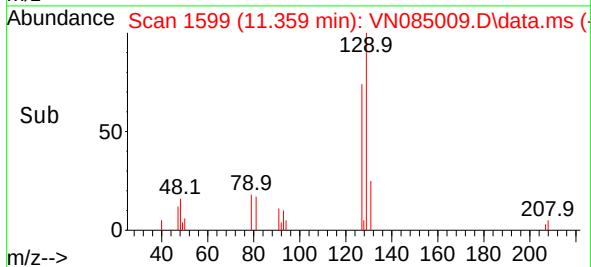
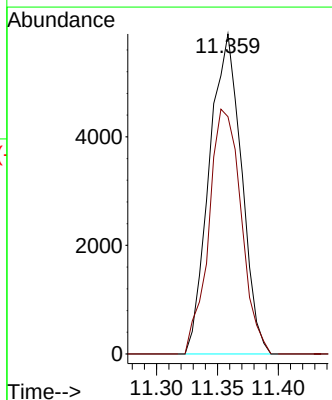
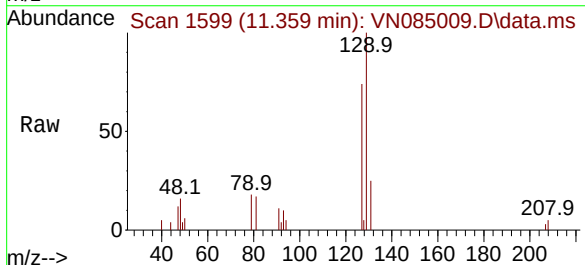
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

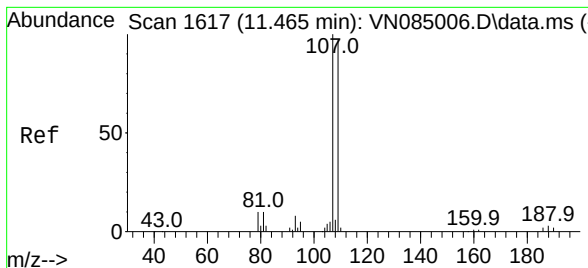
Tgt Ion: 43 Resp: 41641
Ion Ratio Lower Upper
43 100
58 52.8 28.3 85.0



#60
Dibromochloromethane
Concen: 4.974 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:129 Resp: 10844
Ion Ratio Lower Upper
129 100
127 77.1 39.2 117.6

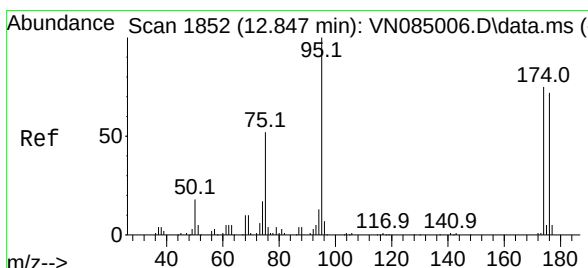
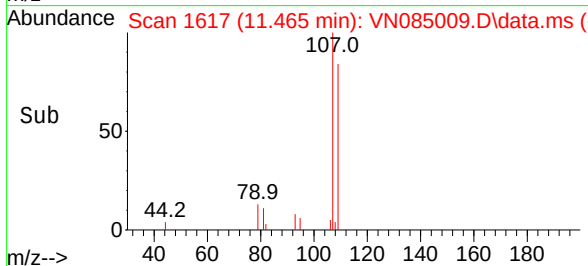
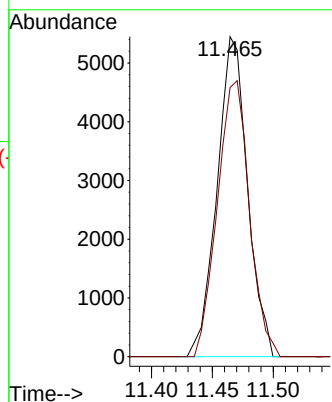
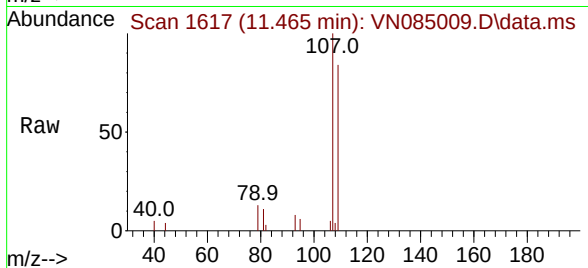




#61
1,2-Dibromoethane
Concen: 5.128 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

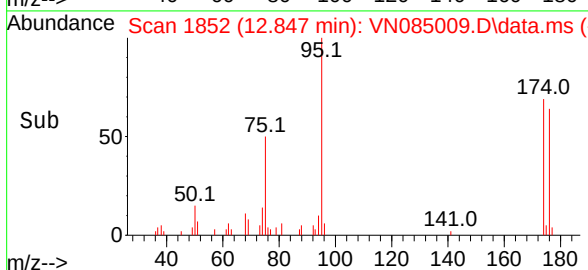
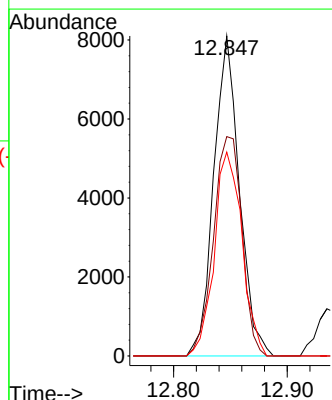
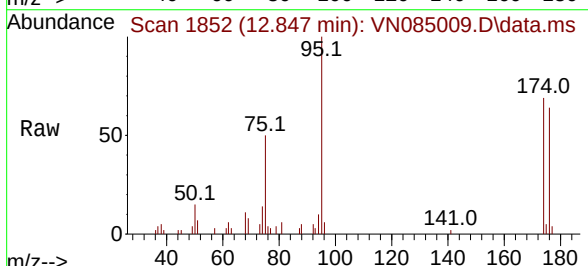
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

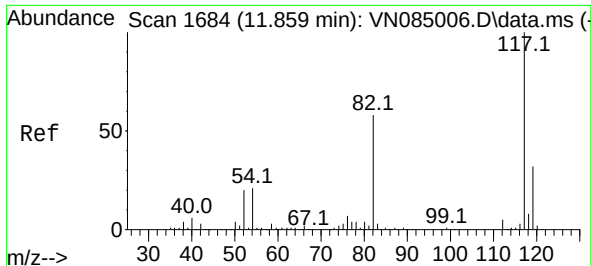
Tgt Ion:107 Resp: 9468
Ion Ratio Lower Upper
107 100
109 90.8 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 5.024 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 95 Resp: 12715
Ion Ratio Lower Upper
95 100
174 76.0 0.0 146.6
176 68.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

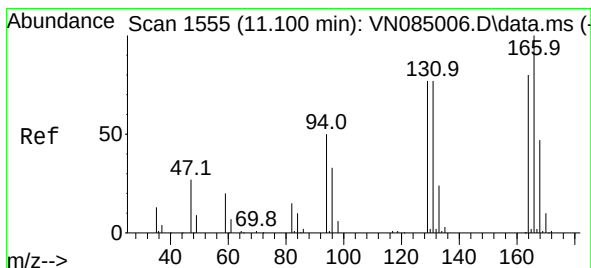
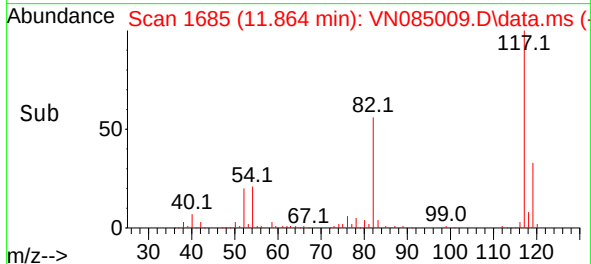
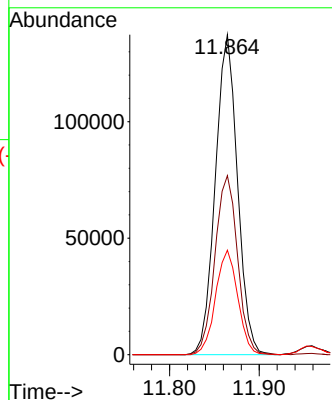
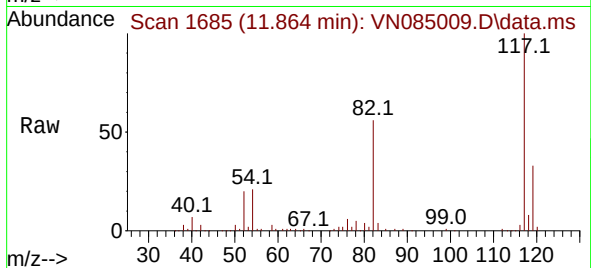
Tgt Ion:117 Resp: 235767

Ion Ratio Lower Upper

117 100

82 55.9 46.0 69.0

119 32.7 25.6 38.4



#64

Tetrachloroethene

Concen: 5.556 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Tgt Ion:164 Resp: 8826

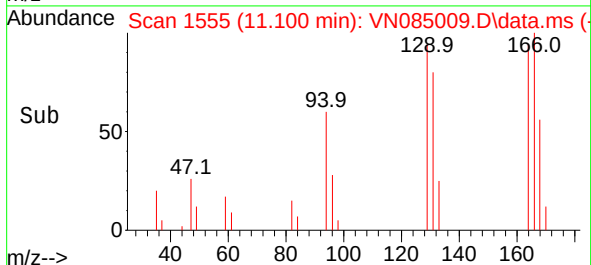
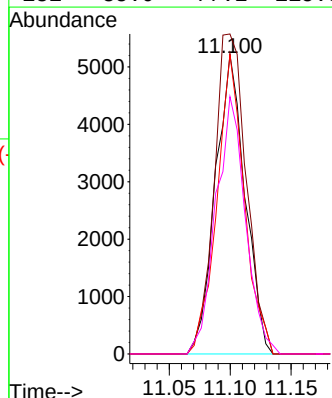
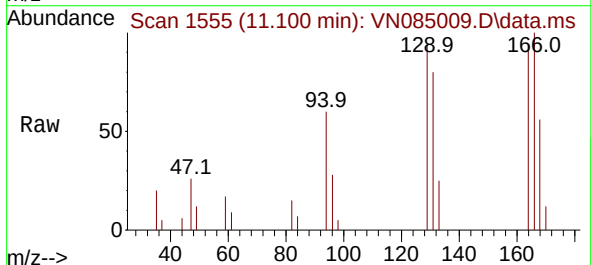
Ion Ratio Lower Upper

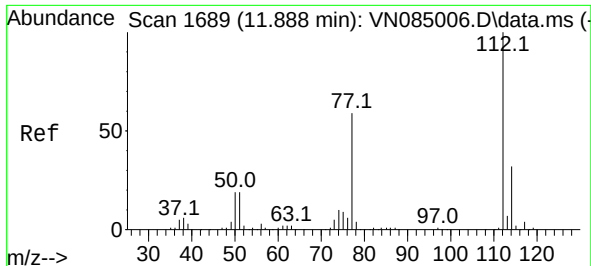
164 100

166 106.8 100.6 151.0

129 99.9 77.7 116.5

131 85.9 77.2 115.8





#65

Chlorobenzene

Concen: 4.997 ug/l

RT: 11.888 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

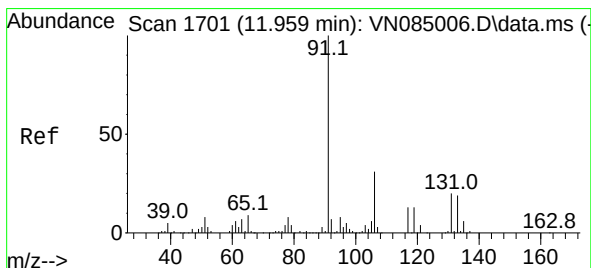
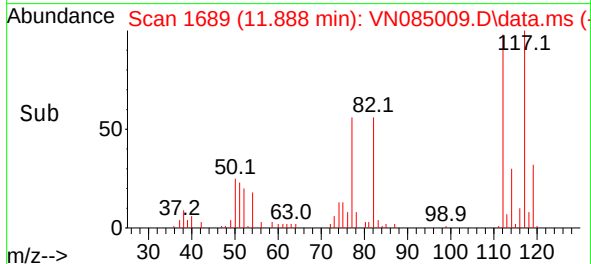
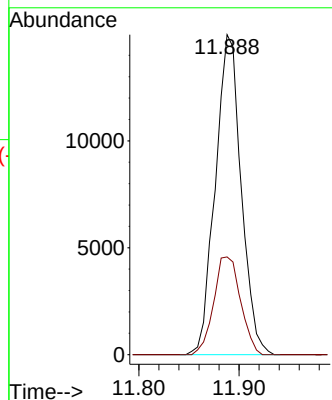
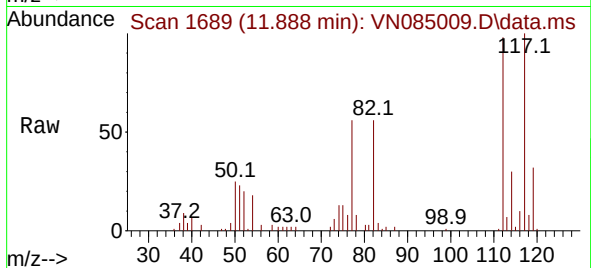
VSTDIC005

Tgt Ion:112 Resp: 26717

Ion Ratio Lower Upper

112 100

114 30.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 5.261 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

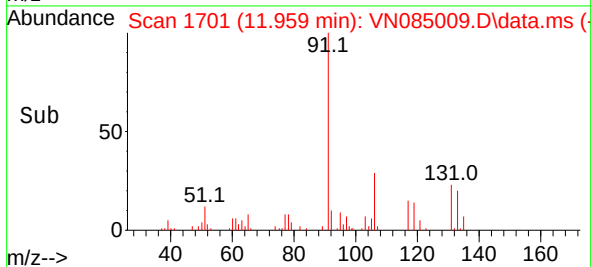
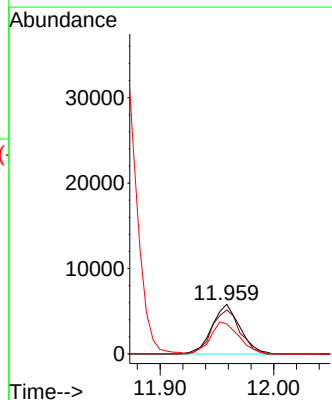
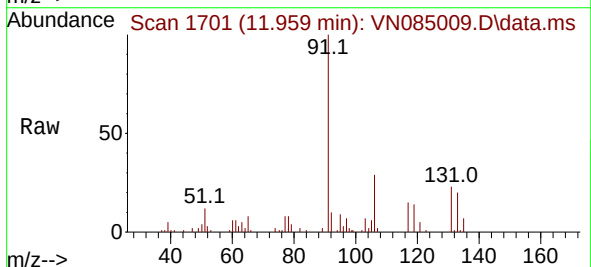
Tgt Ion:131 Resp: 9904

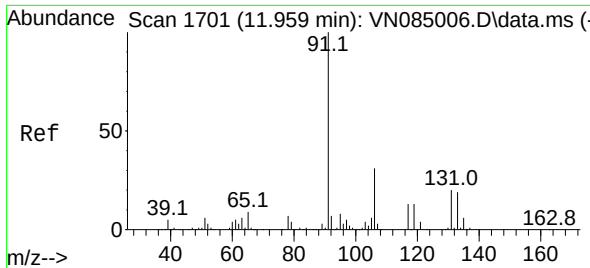
Ion Ratio Lower Upper

131 100

133 89.9 47.8 143.4

119 65.0 32.1 96.3

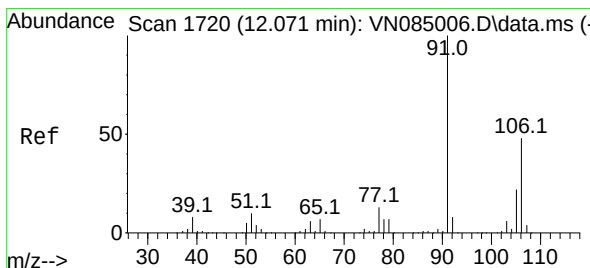
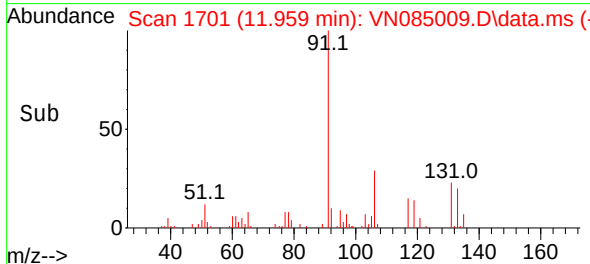
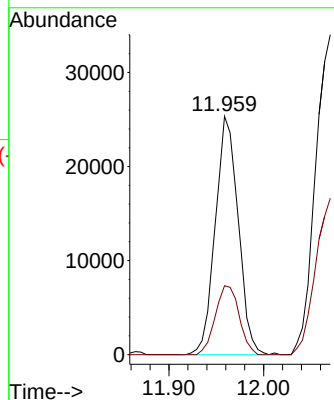
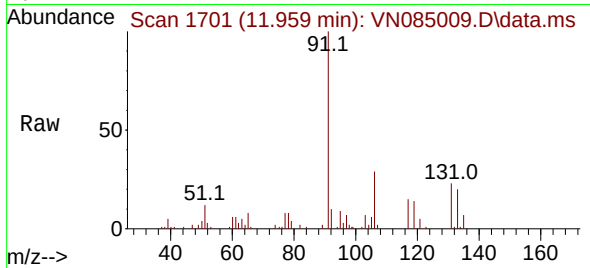




#67
Ethyl Benzene
Concen: 4.916 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

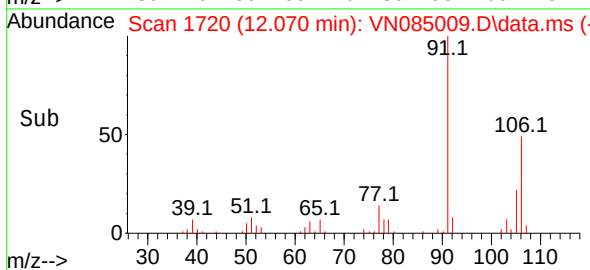
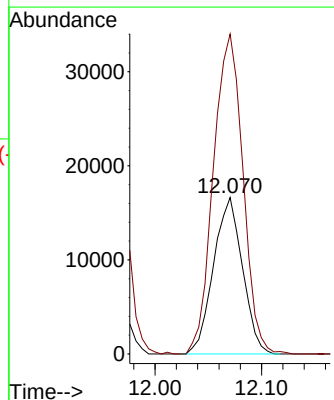
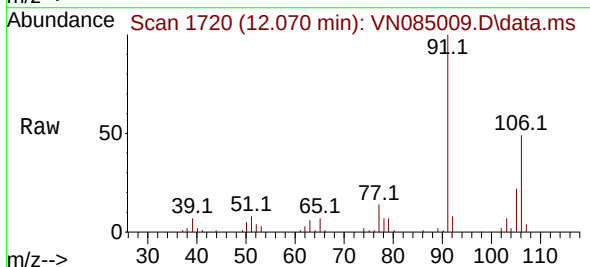
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

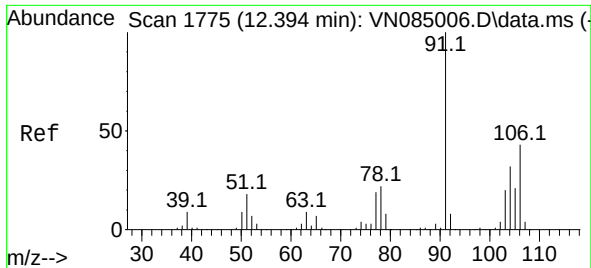
Tgt Ion: 91 Resp: 42642
Ion Ratio Lower Upper
91 100
106 28.9 24.7 37.1



#68
m/p-Xylenes
Concen: 9.514 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion:106 Resp: 31421
Ion Ratio Lower Upper
106 100
91 208.8 168.0 252.0





#69

o-Xylene

Concen: 4.754 ug/l

RT: 12.400 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

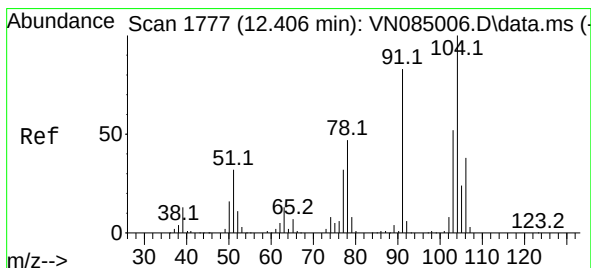
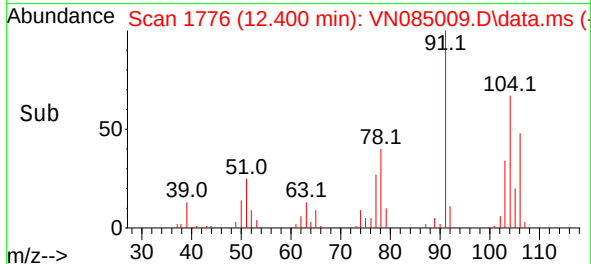
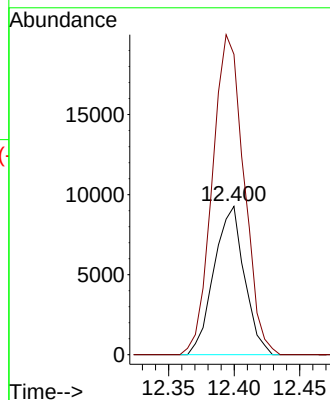
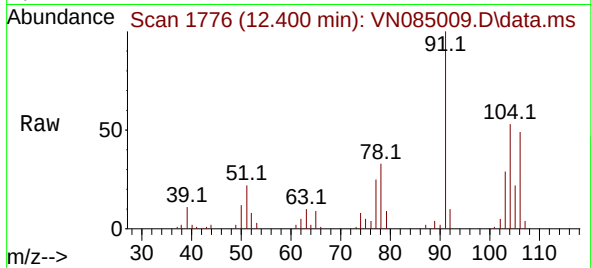
VSTDIC005

Tgt Ion:106 Resp: 14935

Ion Ratio Lower Upper

106 100

91 224.5 110.7 331.9



#70

Styrene

Concen: 4.686 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

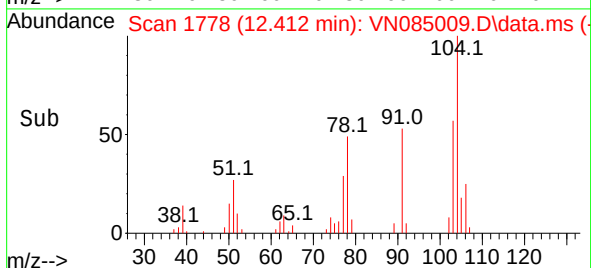
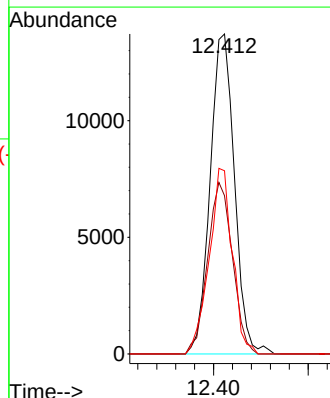
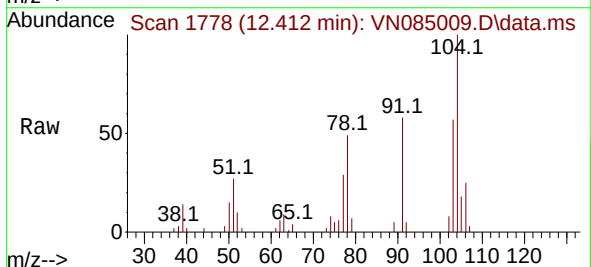
Tgt Ion:104 Resp: 24480

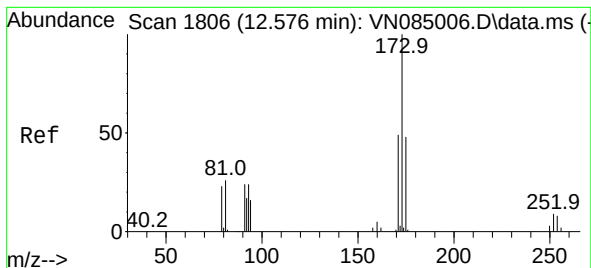
Ion Ratio Lower Upper

104 100

78 54.8 42.3 63.5

103 55.3 44.2 66.2





#71

Bromoform

Concen: 5.038 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

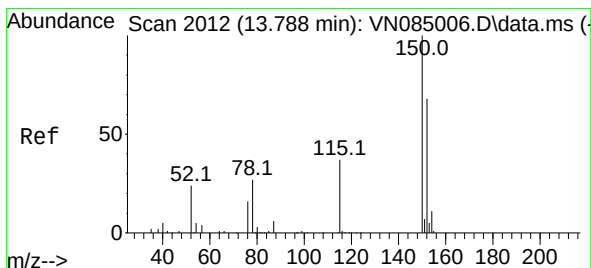
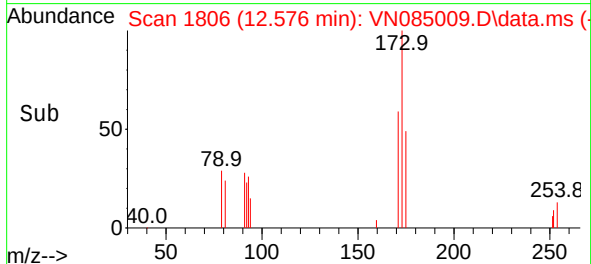
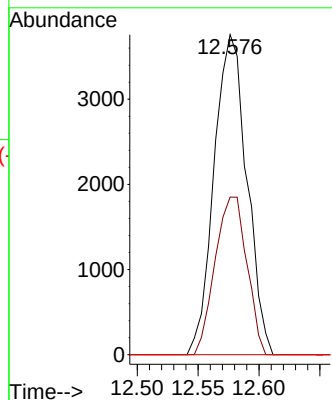
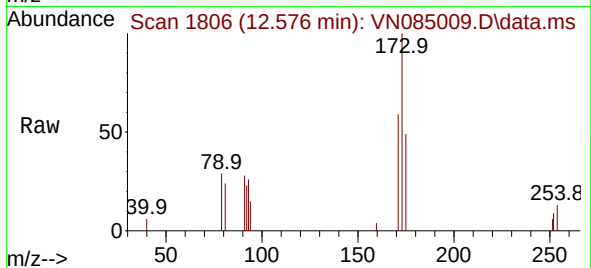
Tgt Ion:173 Resp: 7040

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.2

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: VN085009.D

Acq: 22 Nov 2024 12:57

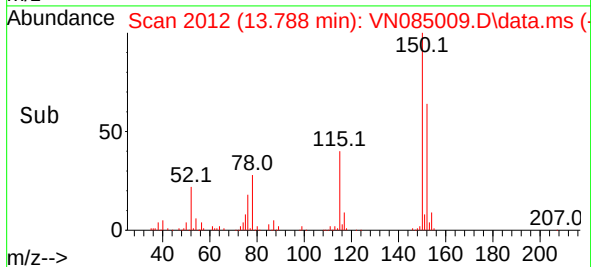
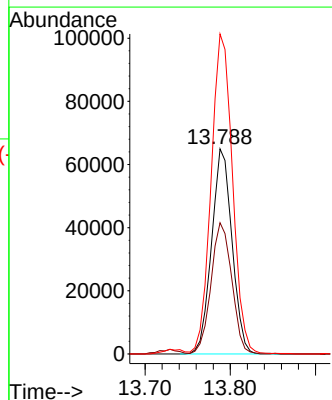
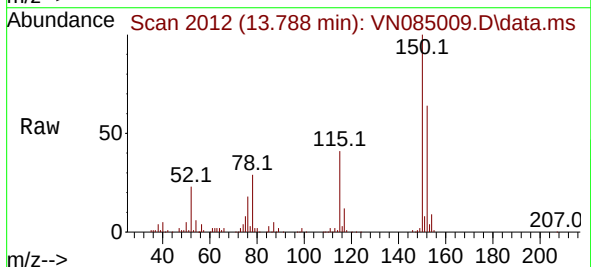
Tgt Ion:152 Resp: 108389

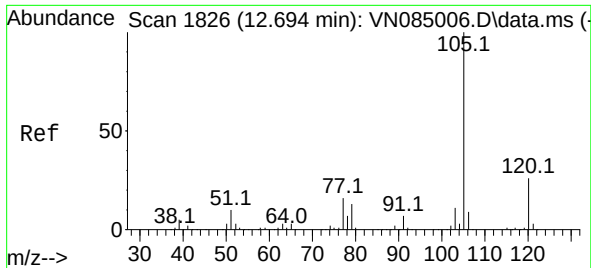
Ion Ratio Lower Upper

152 100

115 64.7 31.7 95.1

150 162.8 0.0 351.4

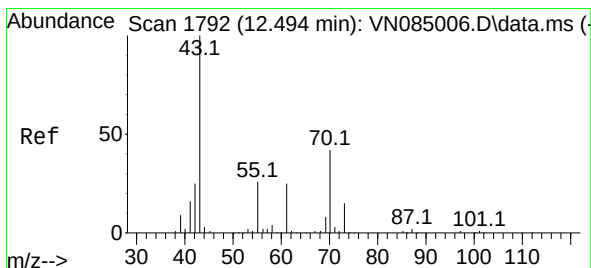
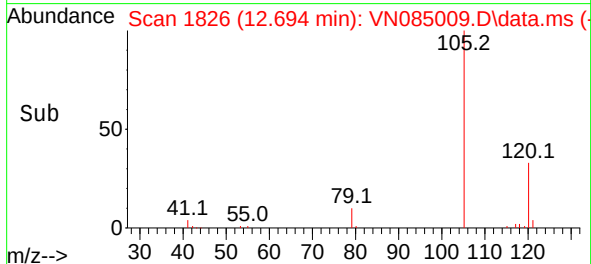
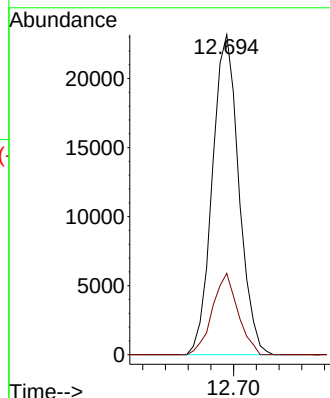
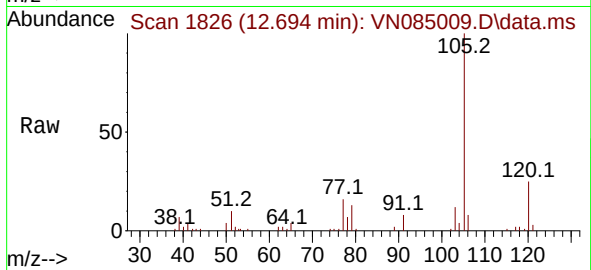




#73
Isopropylbenzene
Concen: 4.910 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

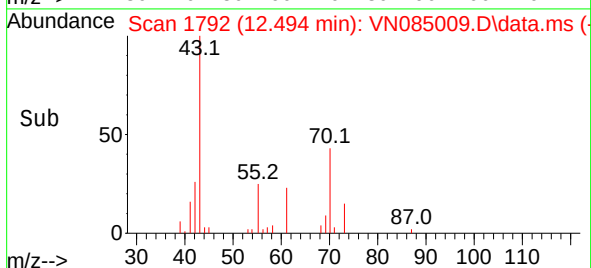
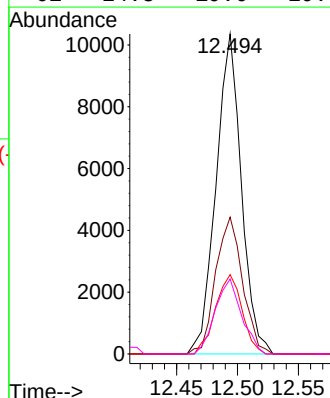
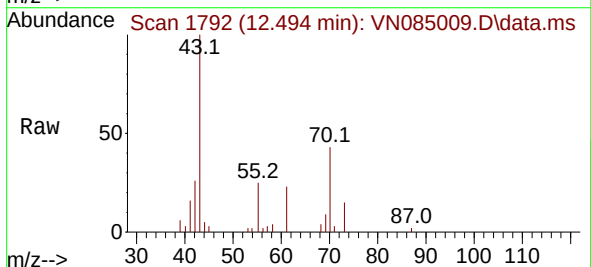
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

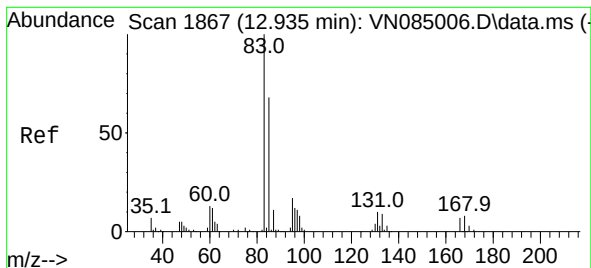
Tgt Ion:105 Resp: 37544
Ion Ratio Lower Upper
105 100
120 24.6 13.0 39.0



#74
N-ethyl acetate
Concen: 4.759 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 43 Resp: 14995
Ion Ratio Lower Upper
43 100
70 45.3 34.6 51.8
55 26.0 20.5 30.7
61 24.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.109 ug/l

RT: 12.941 min Scan# 1867

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

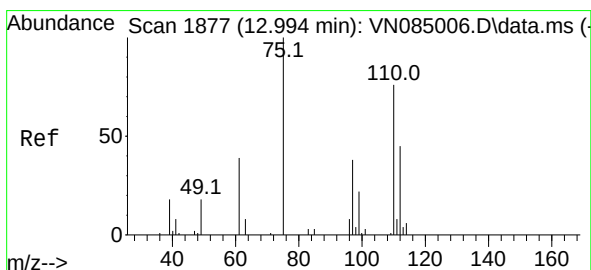
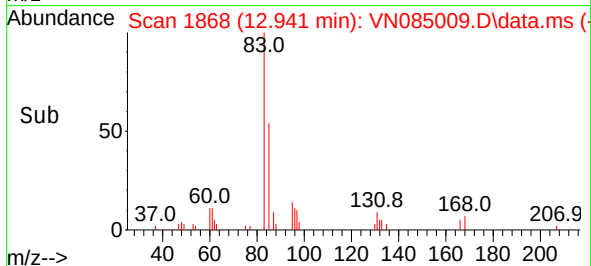
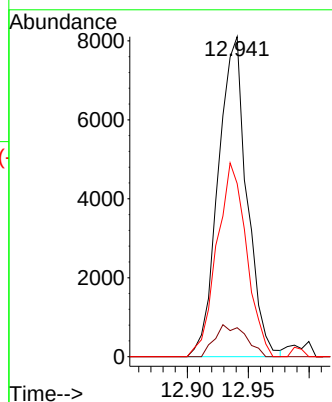
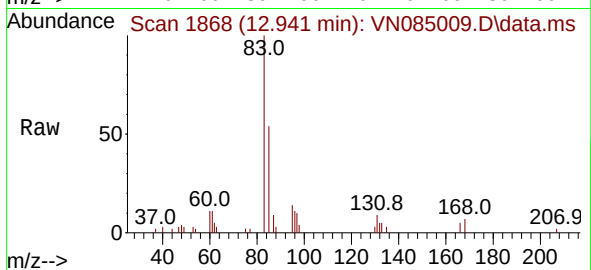
Tgt Ion: 83 Resp: 13341

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.4

85 62.6 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 7.966 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VN085009.D

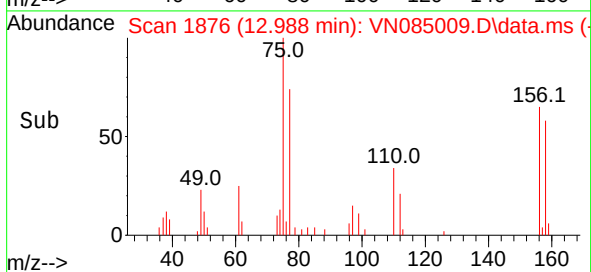
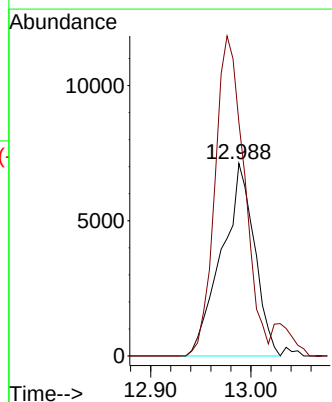
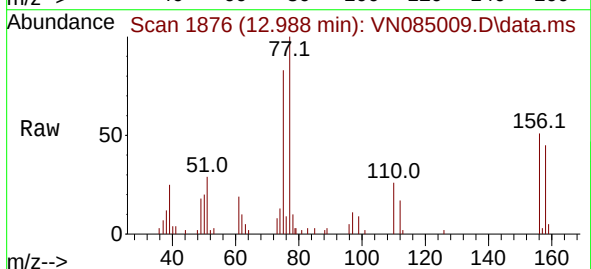
Acq: 22 Nov 2024 12:57

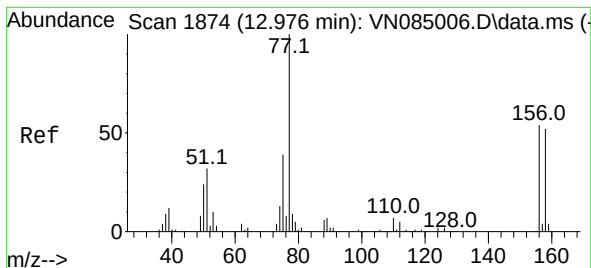
Tgt Ion: 75 Resp: 16152

Ion Ratio Lower Upper

75 100

77 148.5 109.1 327.4





#77

Bromobenzene

Concen: 5.095 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

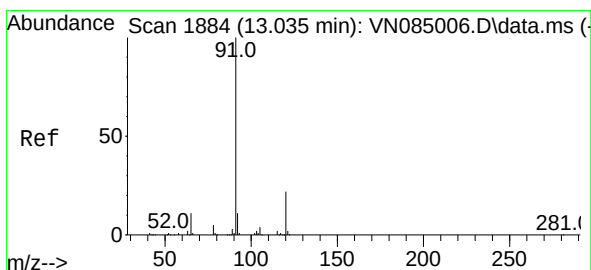
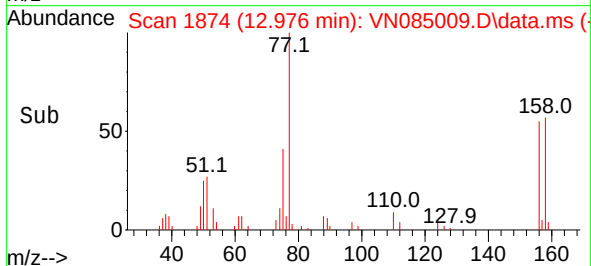
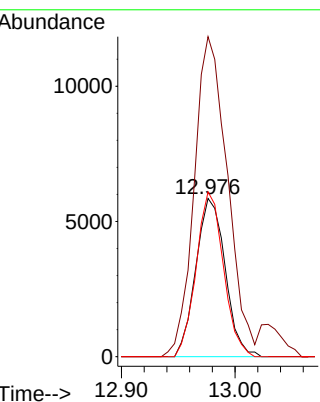
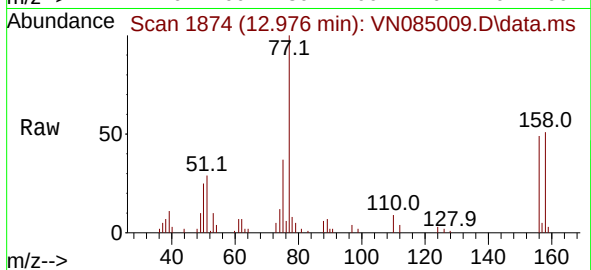
Tgt Ion:156 Resp: 10485

Ion Ratio Lower Upper

156 100

77 228.7 107.2 321.6

158 97.2 48.5 145.6



#78

n-propylbenzene

Concen: 4.931 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085009.D

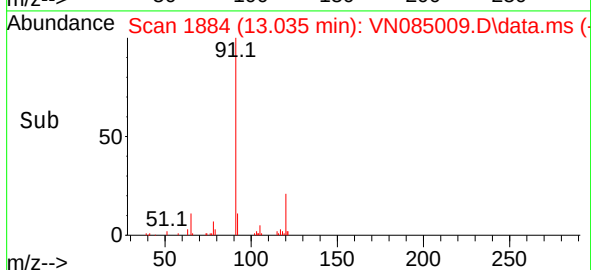
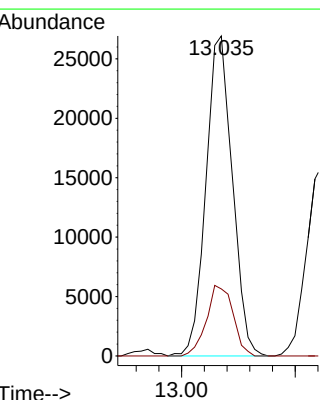
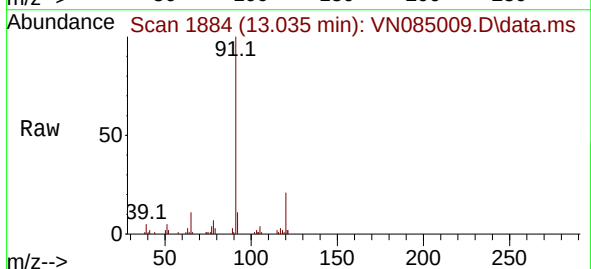
Acq: 22 Nov 2024 12:57

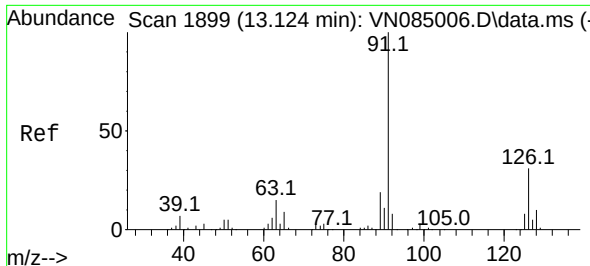
Tgt Ion: 91 Resp: 43493

Ion Ratio Lower Upper

91 100

120 22.1 11.3 33.9





#79

2-Chlorotoluene

Concen: 4.932 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

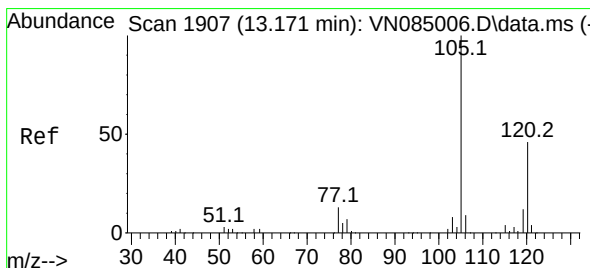
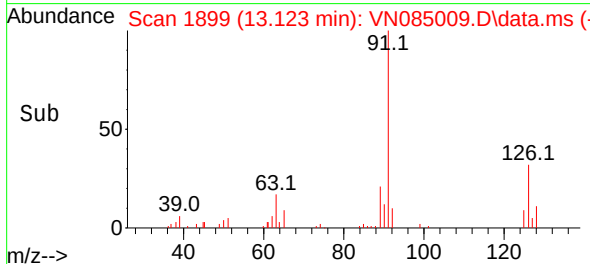
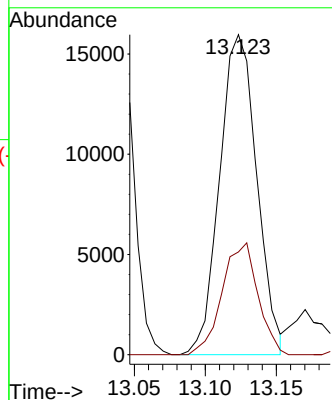
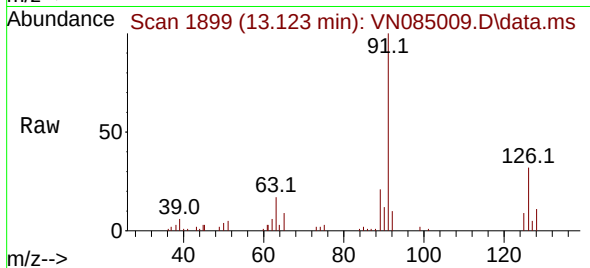
VSTDIC005

Tgt Ion: 91 Resp: 29037

Ion Ratio Lower Upper

91 100

126 33.7 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 4.802 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085009.D

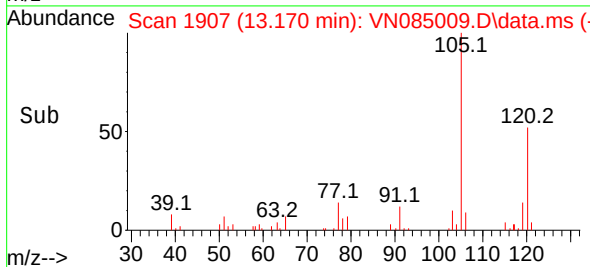
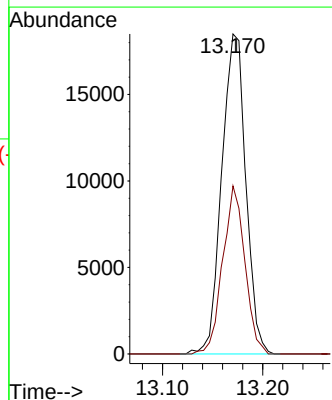
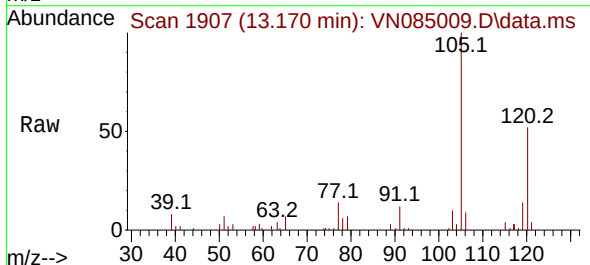
Acq: 22 Nov 2024 12:57

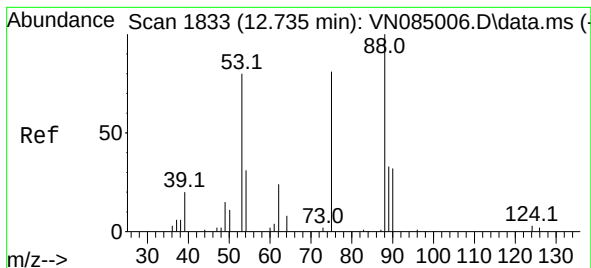
Tgt Ion:105 Resp: 30809

Ion Ratio Lower Upper

105 100

120 48.4 23.6 71.0

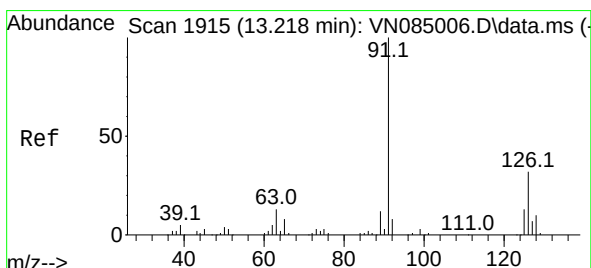
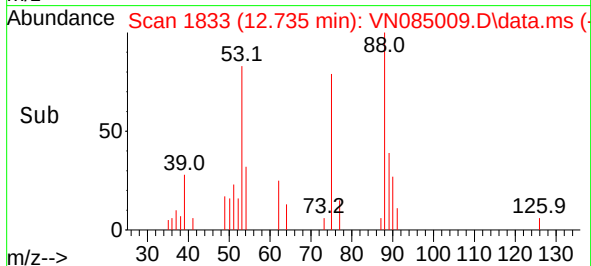
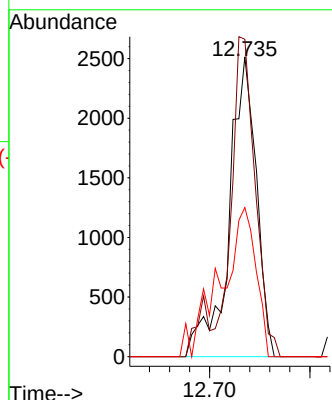
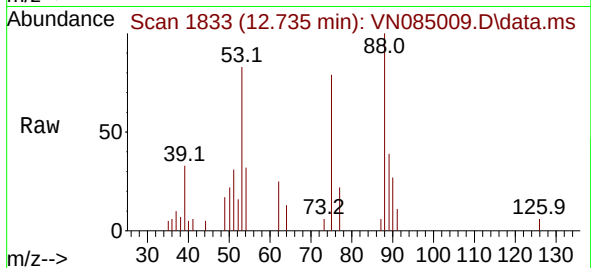




#81
trans-1,4-Dichloro-2-butene
Concen: 5.502 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

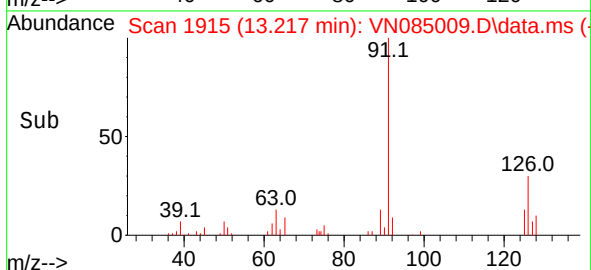
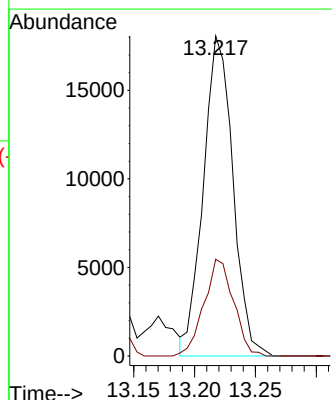
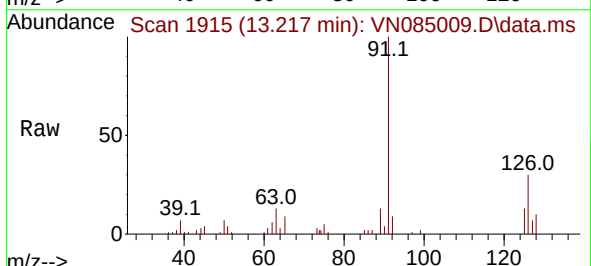
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

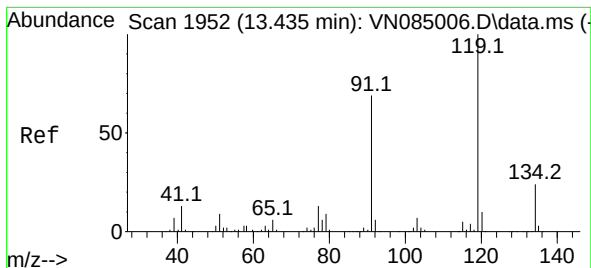
Tgt Ion: 75 Resp: 4774
Ion Ratio Lower Upper
75 100
53 92.4 78.2 117.4
89 64.5 37.9 56.9#



#82
4-Chlorotoluene
Concen: 4.986 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 91 Resp: 30558
Ion Ratio Lower Upper
91 100
126 30.2 16.1 48.3





#83

tert-Butylbenzene

Concen: 4.797 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

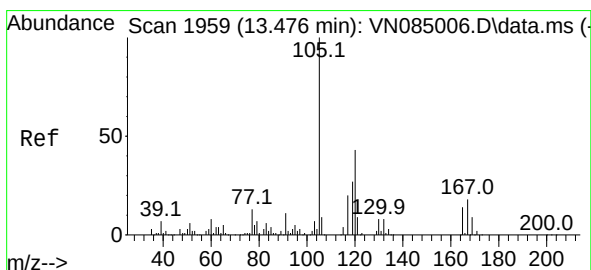
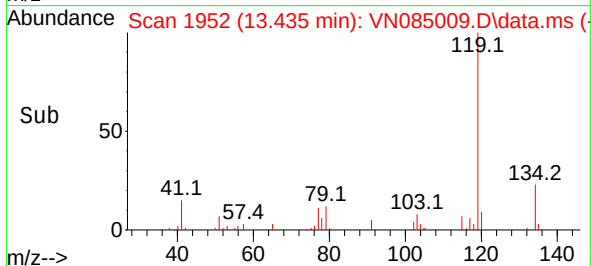
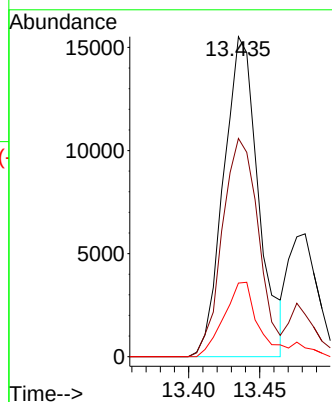
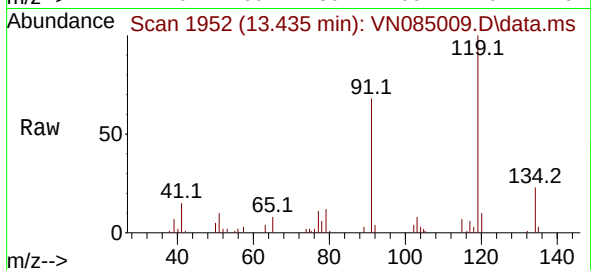
Tgt Ion:119 Resp: 26485

Ion Ratio Lower Upper

119 100

91 71.1 35.1 105.5

134 22.9 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 4.743 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN085009.D

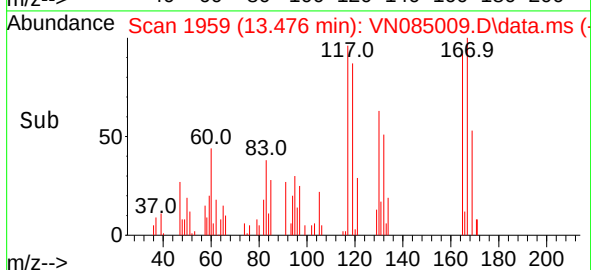
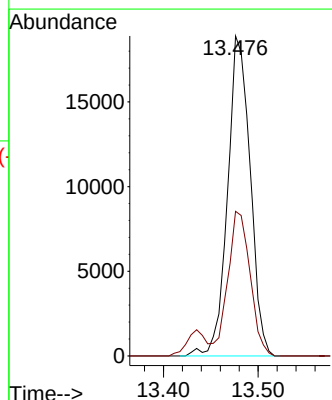
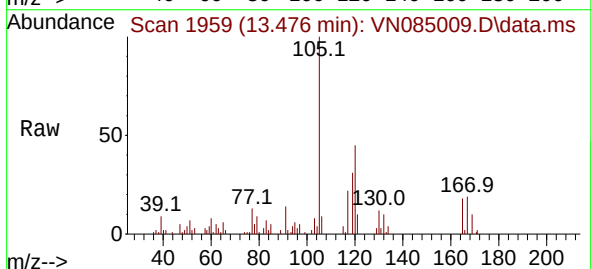
Acq: 22 Nov 2024 12:57

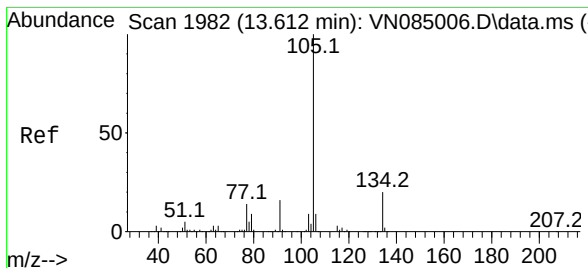
Tgt Ion:105 Resp: 31328

Ion Ratio Lower Upper

105 100

120 45.0 21.8 65.4





#85

sec-Butylbenzene

Concen: 4.718 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

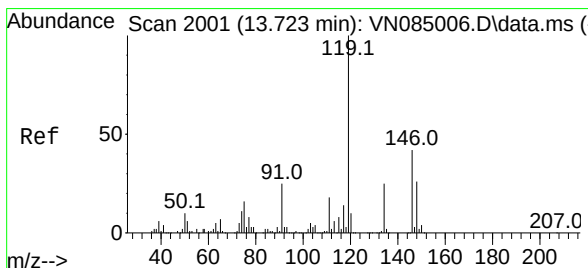
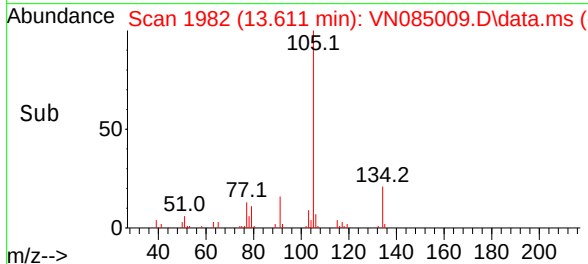
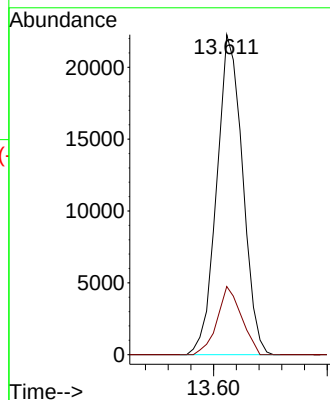
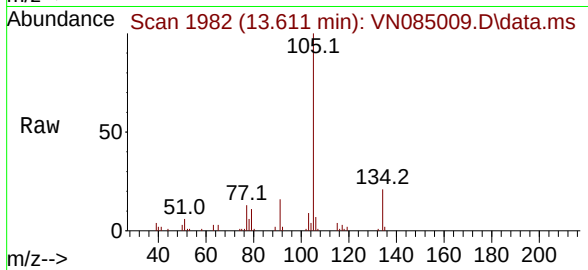
VSTDICC005

Tgt Ion:105 Resp: 35183

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 4.551 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

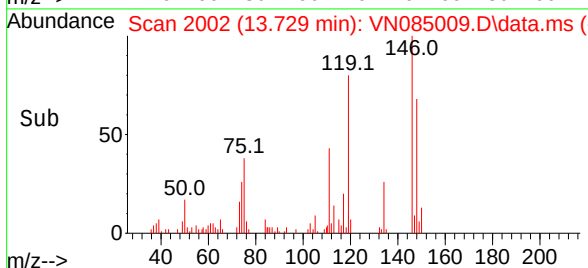
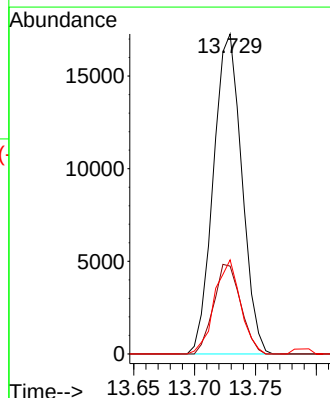
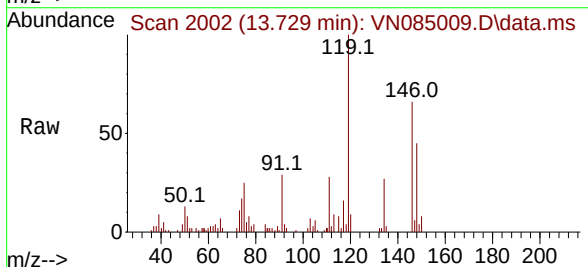
Tgt Ion:119 Resp: 28019

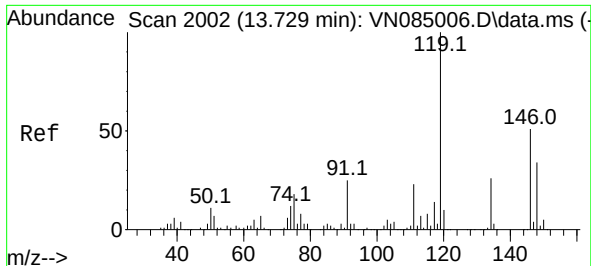
Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

91 27.0 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 5.185 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

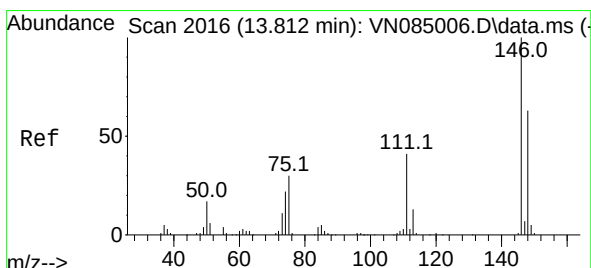
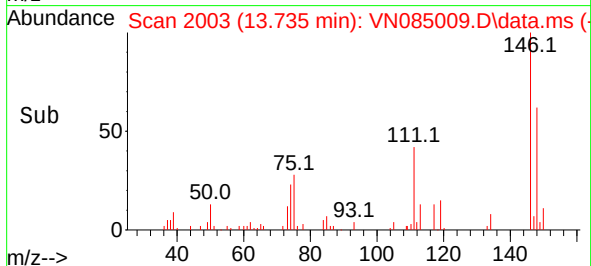
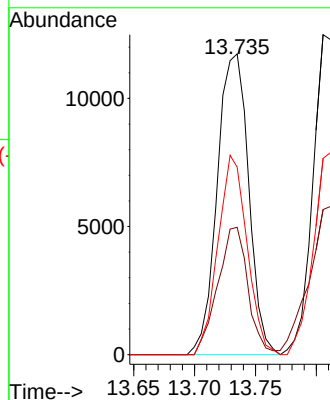
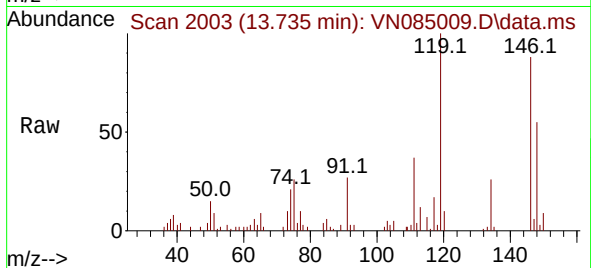
Tgt Ion:146 Resp: 21043

Ion Ratio Lower Upper

146 100

111 40.7 21.6 65.0

148 61.6 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 5.322 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

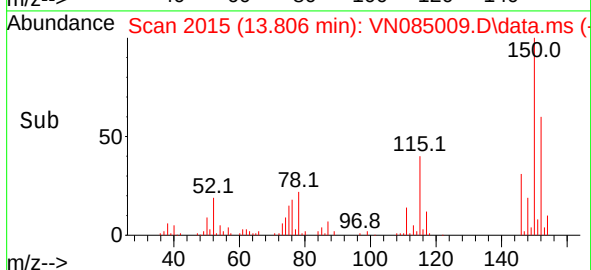
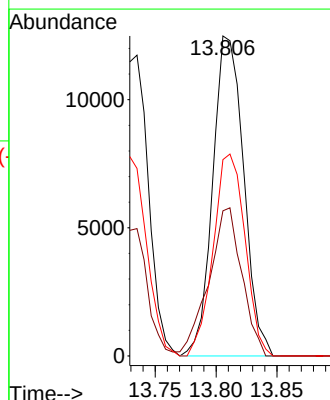
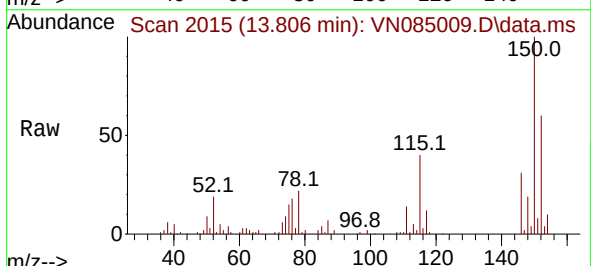
Tgt Ion:146 Resp: 22041

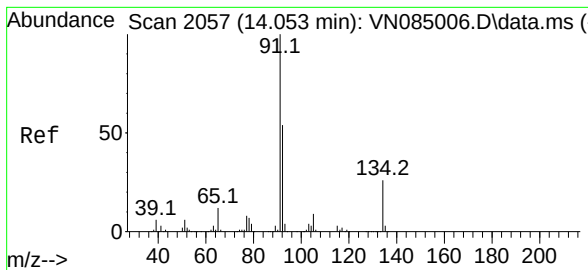
Ion Ratio Lower Upper

146 100

111 49.8 20.9 62.8

148 65.0 31.3 93.9

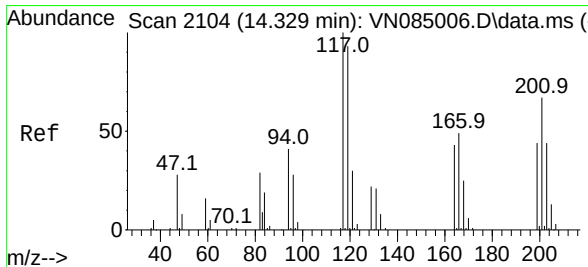
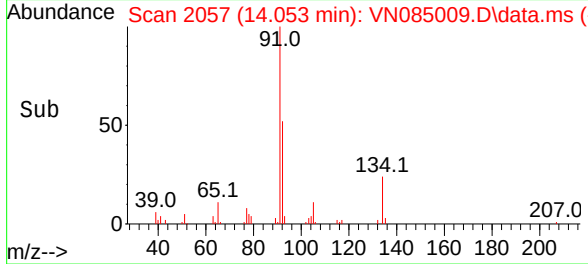
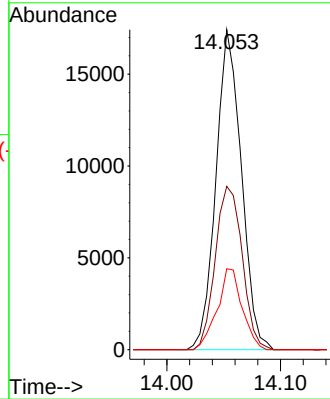
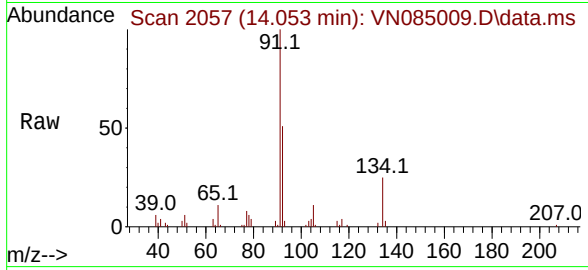




#89
n-Butylbenzene
Concen: 4.732 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

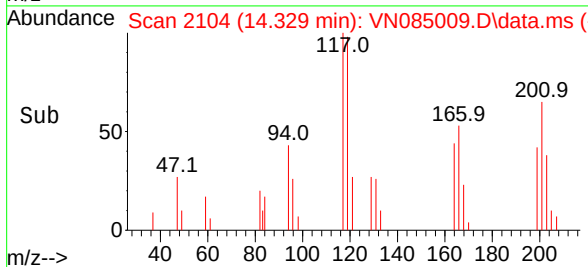
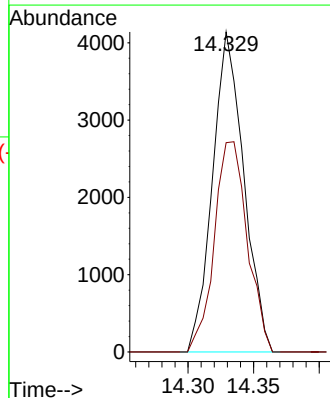
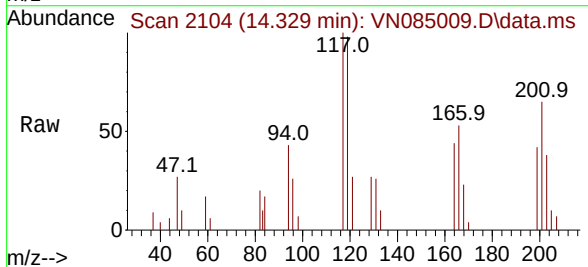
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

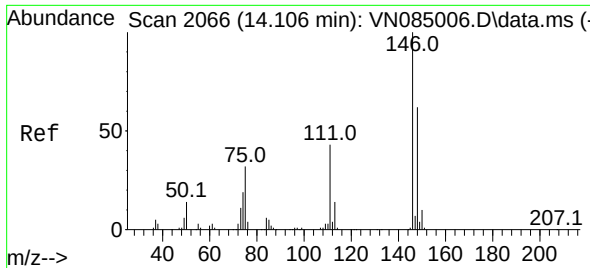
Tgt Ion: 91	Resp: 27093
Ion Ratio	Lower Upper
91 100	
92 54.0	26.8 80.3
134 24.9	12.8 38.4



#90
Hexachloroethane
Concen: 5.119 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt	Ion:117	Resp:	6869
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.2	105.6

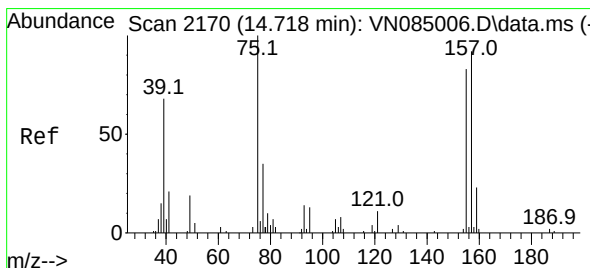
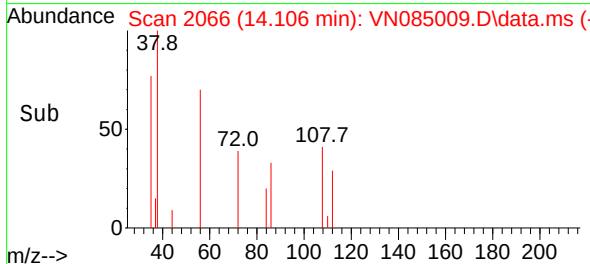
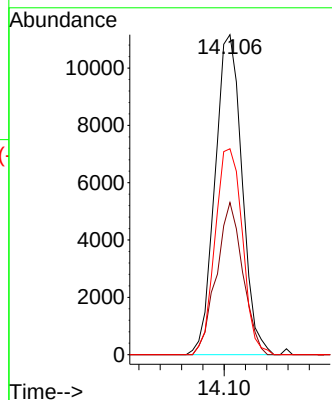
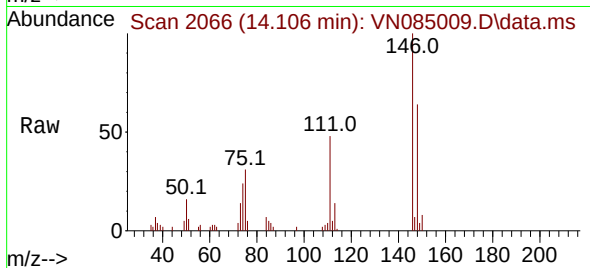




#91
1,2-Dichlorobenzene
Concen: 5.058 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

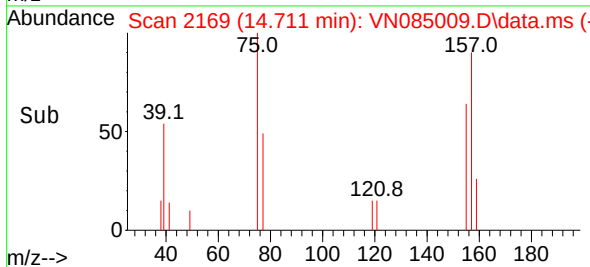
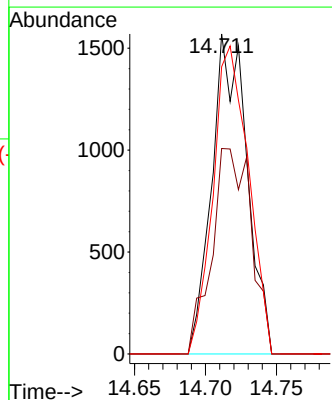
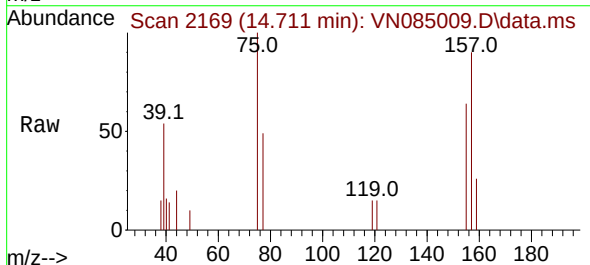
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

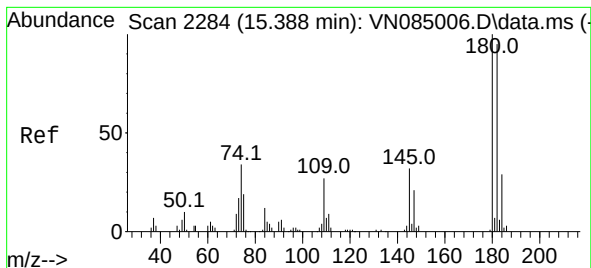
Tgt Ion:146 Resp: 19670
Ion Ratio Lower Upper
146 100
111 46.4 21.9 65.8
148 65.1 31.1 93.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.353 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN085009.D
Acq: 22 Nov 2024 12:57

Tgt Ion: 75 Resp: 2703
Ion Ratio Lower Upper
75 100
155 71.9 38.9 116.7
157 97.4 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 4.992 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

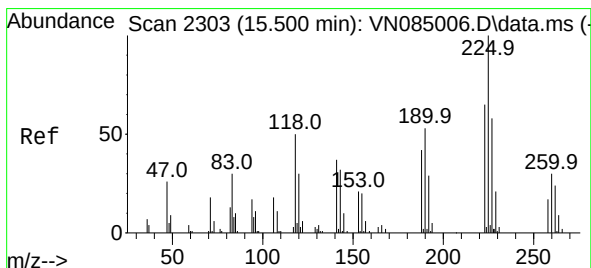
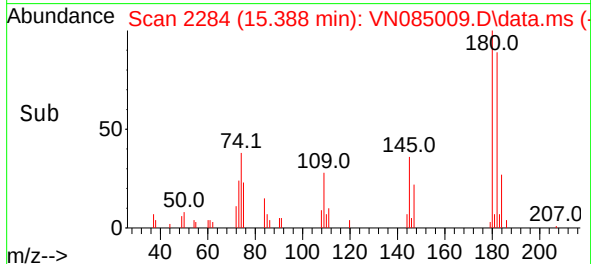
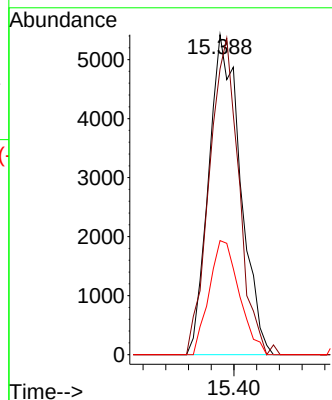
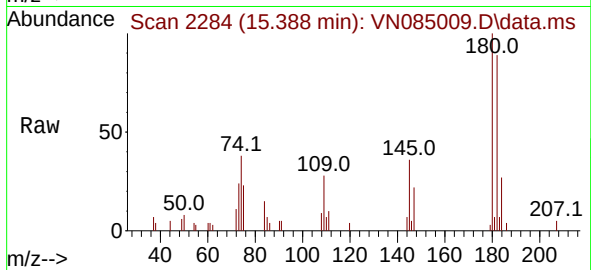
Tgt Ion:180 Resp: 10547

Ion Ratio Lower Upper

180 100

182 92.0 46.9 140.8

145 33.7 16.3 48.8



#94

Hexachlorobutadiene

Concen: 5.272 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

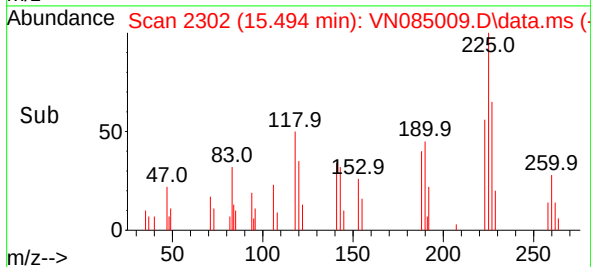
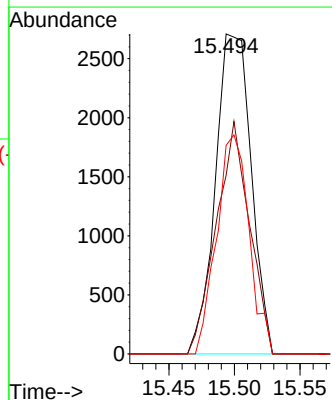
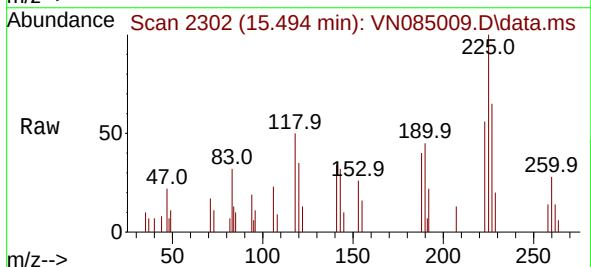
Tgt Ion:225 Resp: 5141

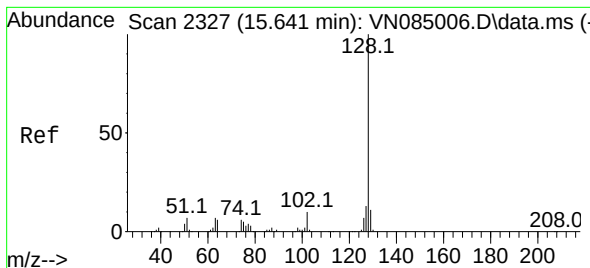
Ion Ratio Lower Upper

225 100

223 67.7 30.9 92.8

227 62.0 31.5 94.5





#95

Naphthalene

Concen: 4.832 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

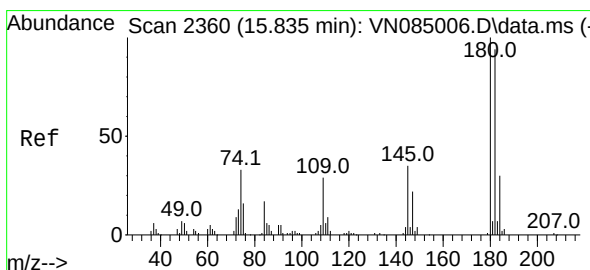
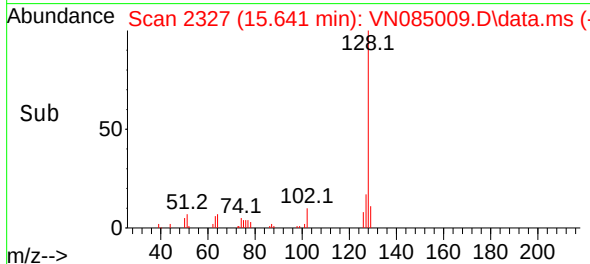
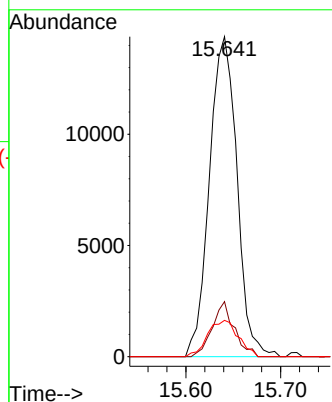
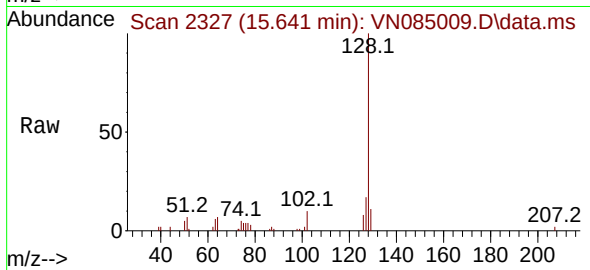
Tgt Ion:128 Resp: 29077

Ion Ratio Lower Upper

128 100

127 13.7 10.6 16.0

129 12.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.981 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN085009.D

Acq: 22 Nov 2024 12:57

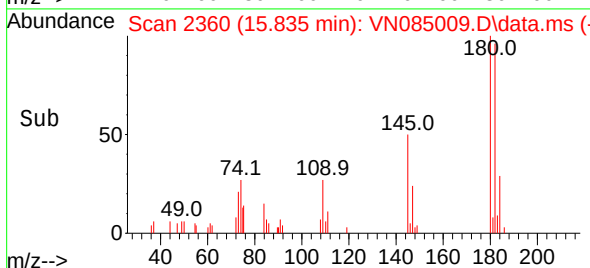
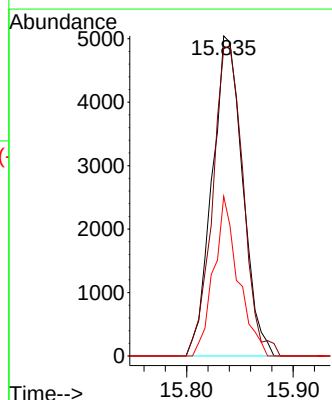
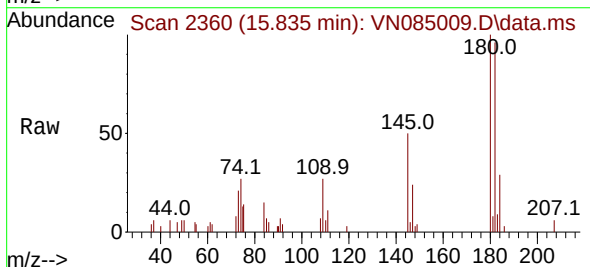
Tgt Ion:180 Resp: 10042

Ion Ratio Lower Upper

180 100

182 96.9 46.4 139.2

145 40.1 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	2374	1.171	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.340%#
35) Dibromofluoromethane	8.165	113	1949	1.133	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.260%#
50) Toluene-d8	10.565	98	6206	1.006	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	2.020%#
62) 4-Bromofluorobenzene	12.847	95	2351	1.019	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	2.040%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
5) Bromomethane	2.900	94	1231	1.309	ug/l #	62
6) Chloroethane	3.077	64	2258	1.997	ug/l #	81
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1031	0.637	ug/l #	78
10) Methyl Iodide	4.565	142	1019	0.476	ug/l #	81
11) Tert butyl alcohol	5.541	59	962	3.551	ug/l #	75
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
13) Acrolein	4.189	56	1041	5.759	ug/l #	78
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.018	43	1793	Below Cal		99
19) Methyl tert-butyl Ether	5.789	73	2724	0.552	ug/l	96
20) Methylene Chloride	5.271	84	1379	0.765	ug/l #	78
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
31) Cyclohexane	8.218	56	2861	1.060	ug/l #	1
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l #	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l	81
43) Isopropyl Acetate	8.688	43	8014	1.821	ug/l #	77
44) Trichloroethene	9.347	130	1685	0.984	ug/l	74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l	97
46) Dibromomethane	9.706	93	1327	1.052	ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031	ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946	ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470	ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578	ug/l	93
52) Toluene	10.624	92	3979	0.912	ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000	ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945	ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795	ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651	ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166	ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057	ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980	ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911	ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976	ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894	ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789	ug/l	91
69) o-Xylene	12.400	106	2514	0.897	ug/l	82
70) Styrene	12.406	104	3871	0.831	ug/l	99
71) Bromoform	12.576	173	1215	0.975	ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900	ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260	ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	3232	1.946	ug/l	54
77) Bromobenzene	12.982	156	1903	1.129	ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869	ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	619	0.871	ug/l #	79
82) 4-Chlorotoluene	13.223	91	5286	1.053	ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888	ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865	ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243	ug/l	86
88) 1,4-Dichlorobenzene	13.729	146	4131	1.218	ug/l	88
89) n-Butylbenzene	14.053	91	4981	1.062	ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107	ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209	ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236	ug/l	80
95) Naphthalene	15.641	128	5242	1.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

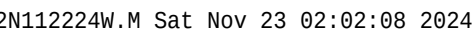
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

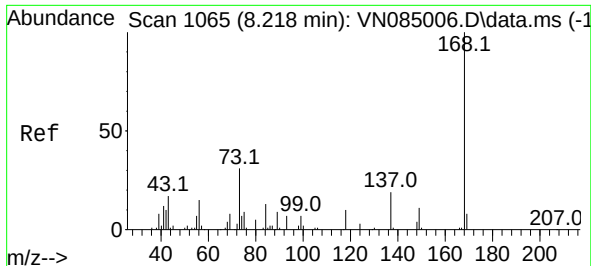
Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

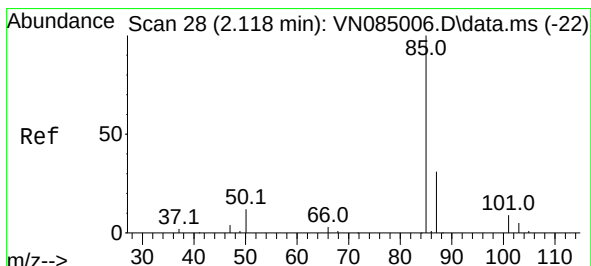
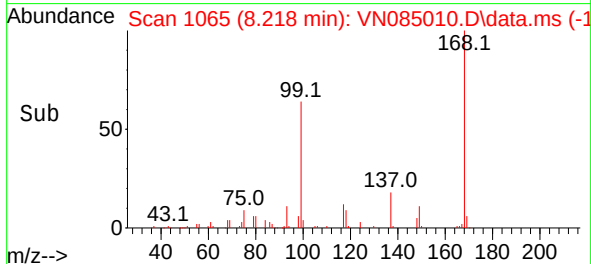
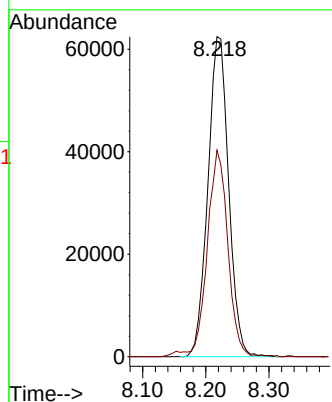
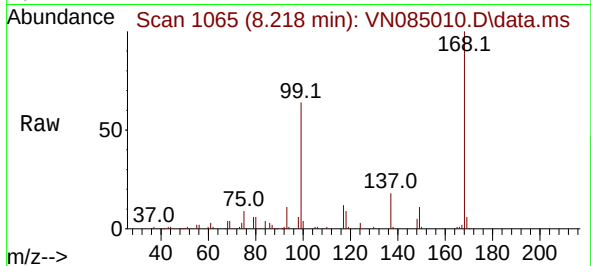




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

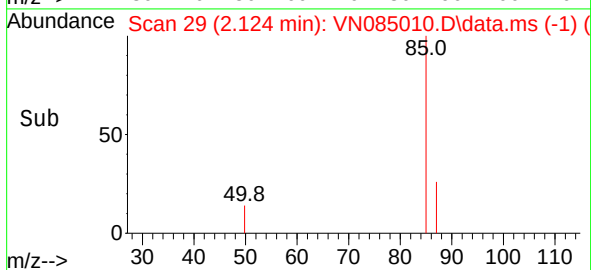
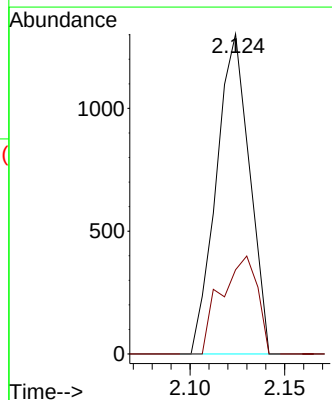
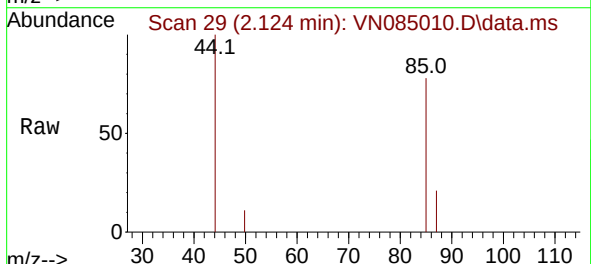
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

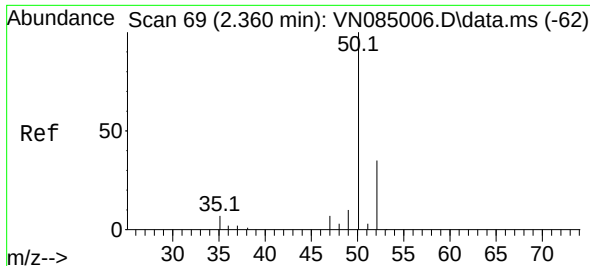
Tgt Ion:168 Resp: 142307
Ion Ratio Lower Upper
168 100
99 64.5 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 0.987 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 85 Resp: 1589
Ion Ratio Lower Upper
85 100
87 26.3 15.7 47.1

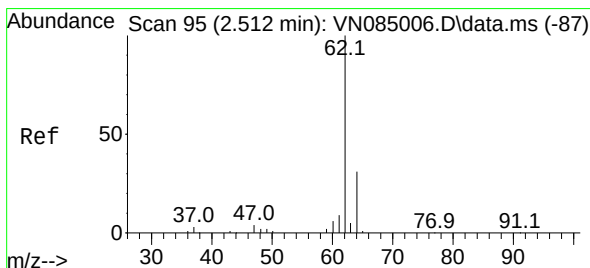
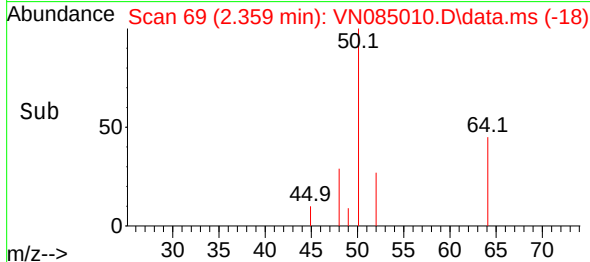
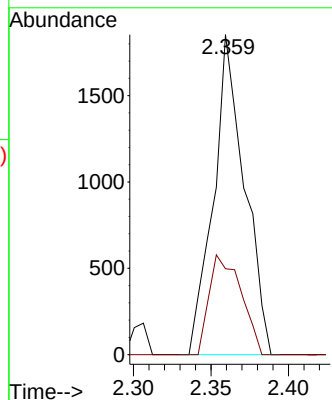
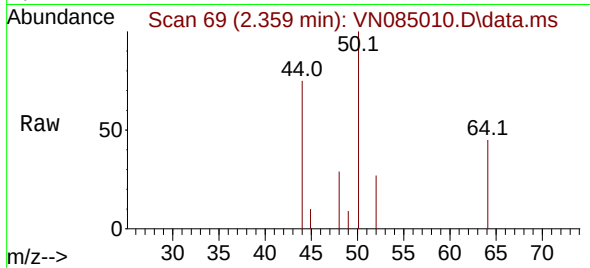




#3
Chloromethane
Concen: 1.382 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

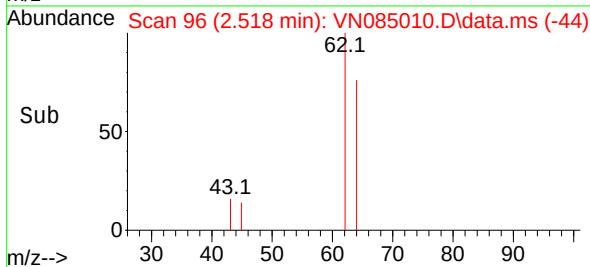
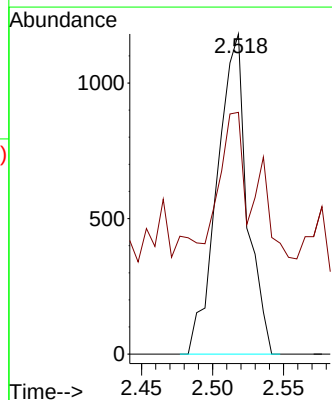
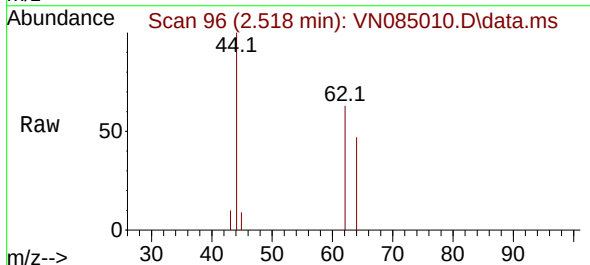
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

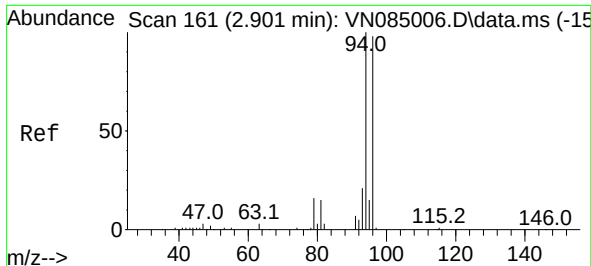
Tgt Ion: 50 Resp: 2580
Ion Ratio Lower Upper
50 100
52 26.8 27.8 41.8#



#4
Vinyl Chloride
Concen: 1.031 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62 Resp: 1730
Ion Ratio Lower Upper
62 100
64 40.9 24.6 36.8#

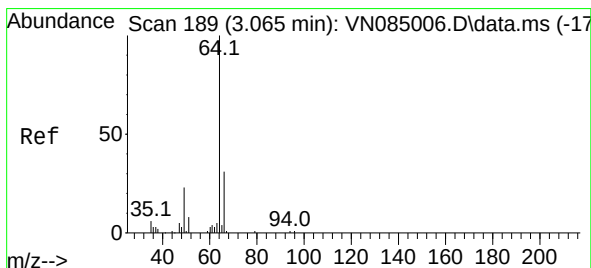
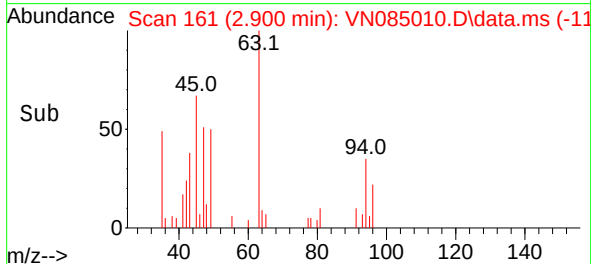
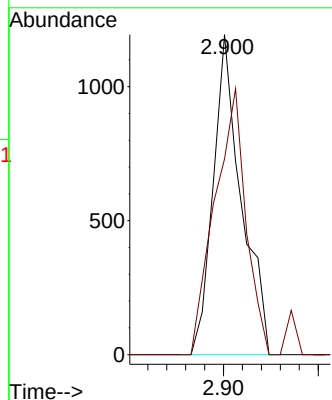
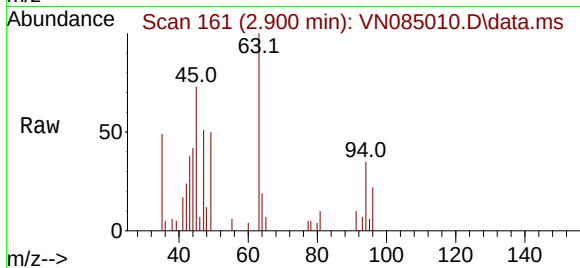




#5
Bromomethane
Concen: 1.309 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

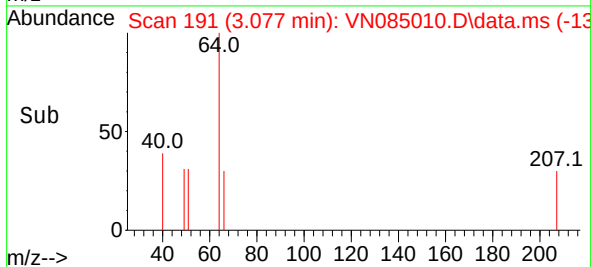
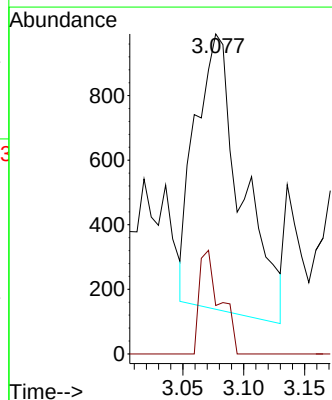
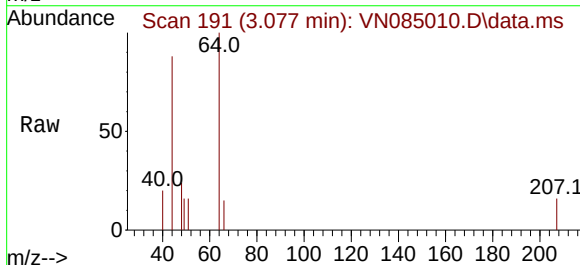
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

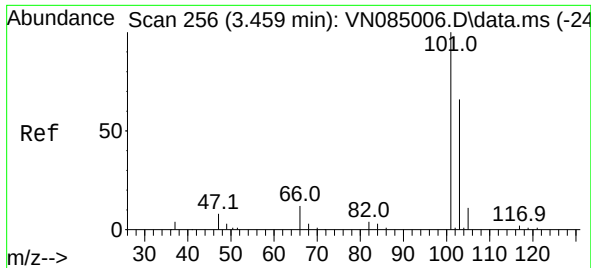
Tgt Ion: 94 Resp: 1231
Ion Ratio Lower Upper
94 100
96 61.1 78.7 118.1#



#6
Chloroethane
Concen: 1.997 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 64 Resp: 2258
Ion Ratio Lower Upper
64 100
66 20.2 24.4 36.6#

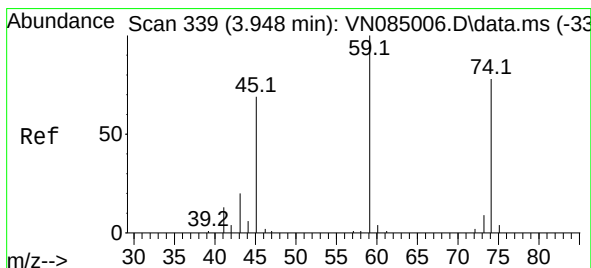
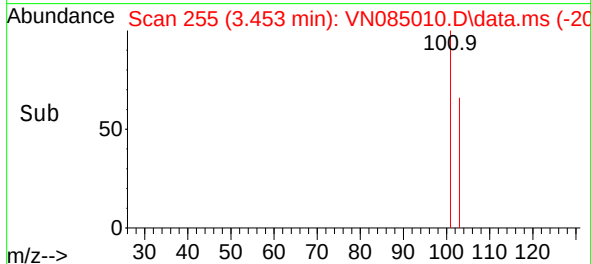
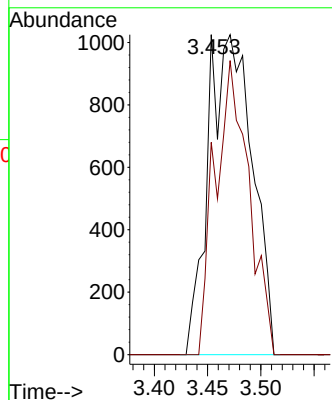
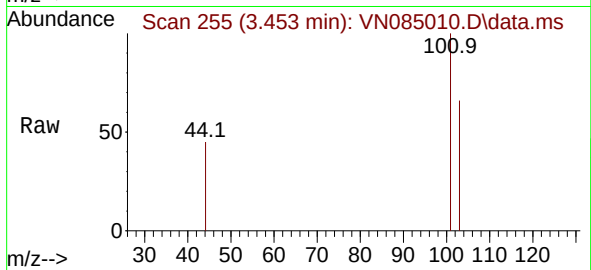




#7
 Trichlorofluoromethane
 Concen: 1.034 ug/l
 RT: 3.453 min Scan# 240
 Delta R.T. -0.006 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

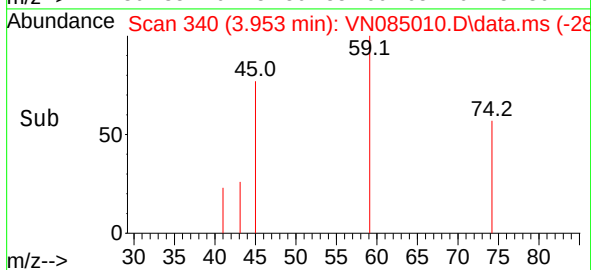
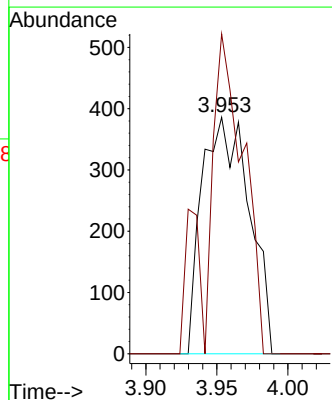
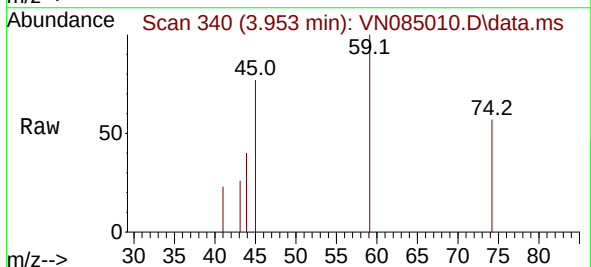
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

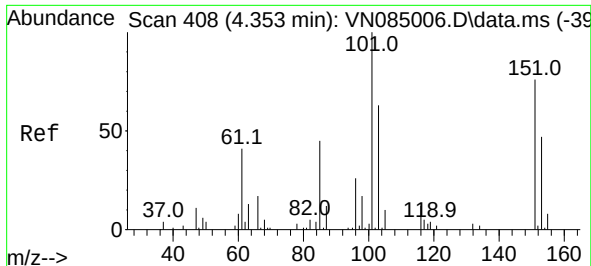
Tgt Ion:101 Resp: 2950
 Ion Ratio Lower Upper
 101 100
 103 66.3 52.6 78.8



#8
 Diethyl Ether
 Concen: 0.925 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. 0.006 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

Tgt Ion: 74 Resp: 898
 Ion Ratio Lower Upper
 74 100
 45 103.3 46.7 140.1

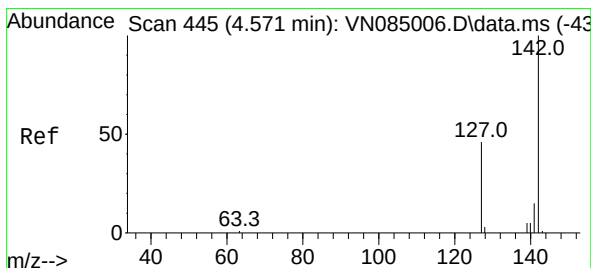
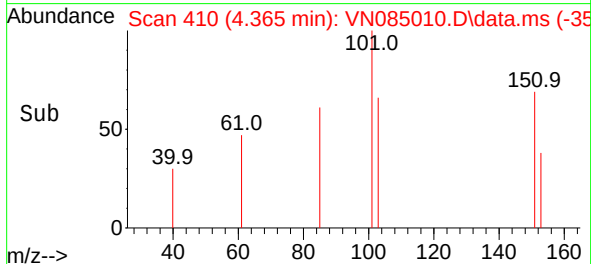
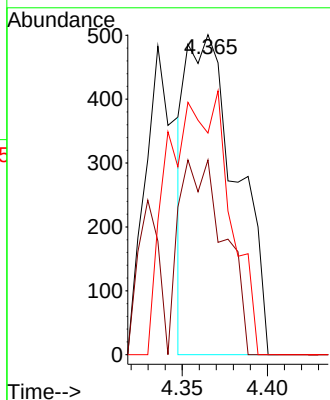
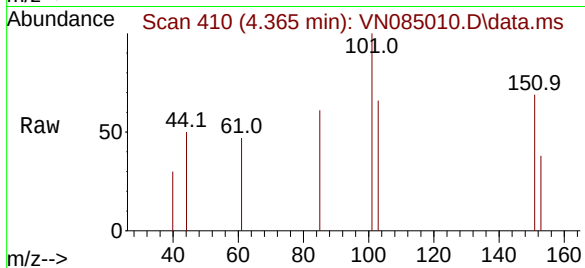




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.637 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

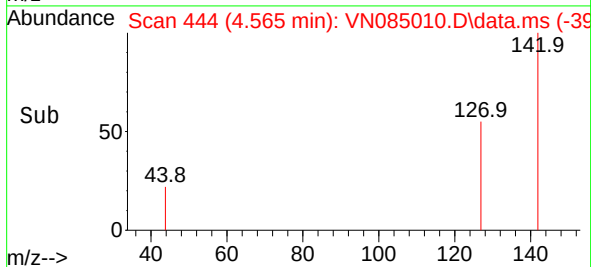
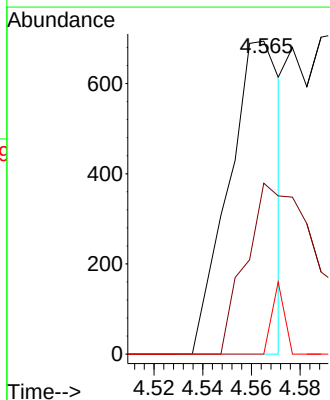
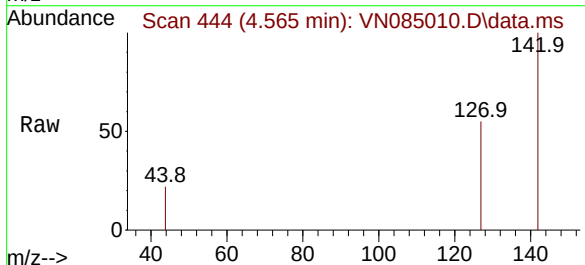
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

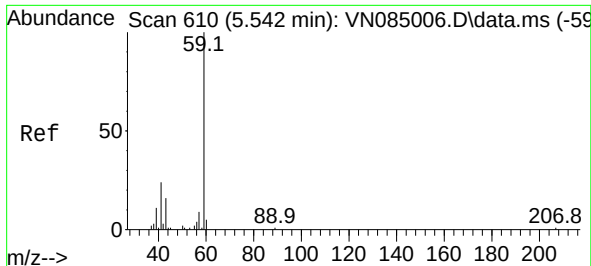
Tgt Ion:101 Resp: 1031
Ion Ratio Lower Upper
101 100
85 55.3 36.9 55.3
151 99.6 60.8 91.2#



#10
Methyl Iodide
Concen: 0.476 ug/l
RT: 4.565 min Scan# 444
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:142 Resp: 1019
Ion Ratio Lower Upper
142 100
127 54.6 36.6 54.8
141 0.0 12.2 18.4#





#11

Tert butyl alcohol

Concen: 3.551 ug/l

RT: 5.541 min Scan# 610

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

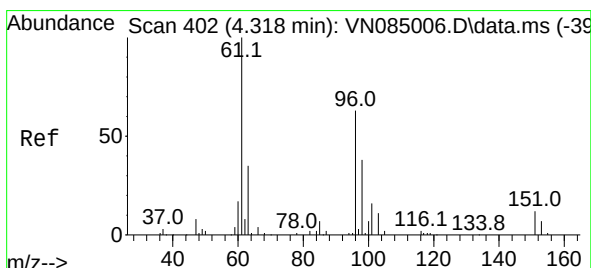
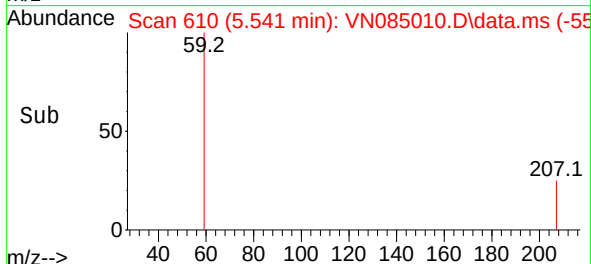
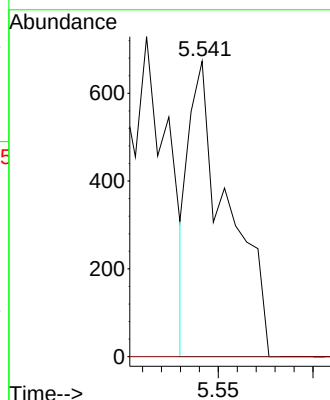
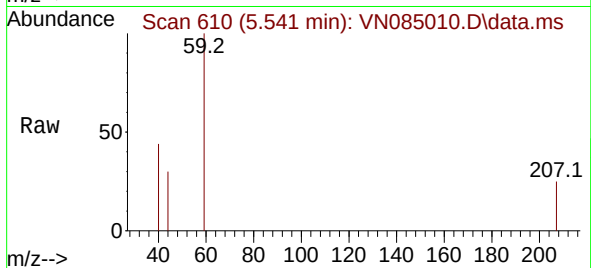
VSTDIC001

Tgt Ion: 59 Resp: 962

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 1.000 ug/l

RT: 4.324 min Scan# 403

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

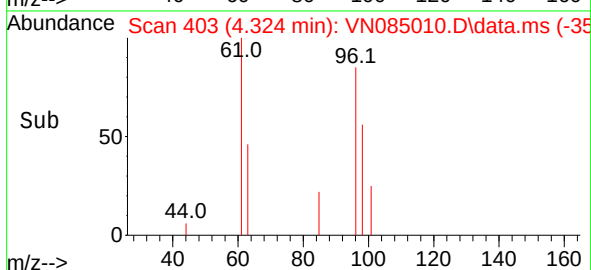
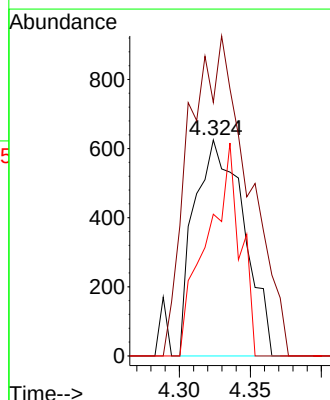
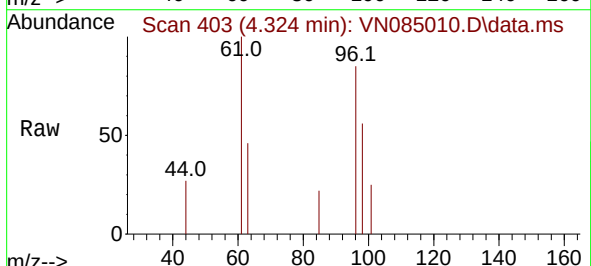
Tgt Ion: 96 Resp: 1511

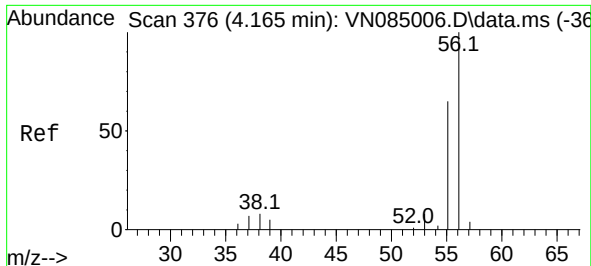
Ion Ratio Lower Upper

96 100

61 90.6 127.8 191.8#

98 65.6 49.2 73.8





#13

Acrolein

Concen: 5.759 ug/l

RT: 4.189 min Scan# 3

Delta R.T. 0.023 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

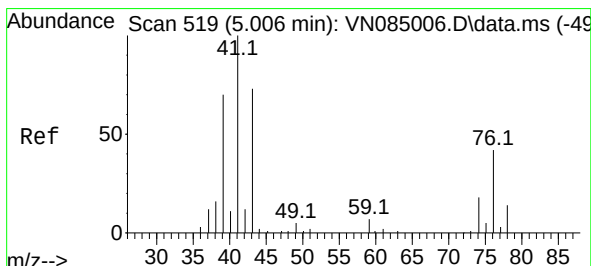
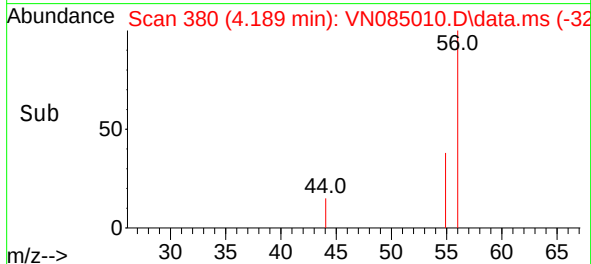
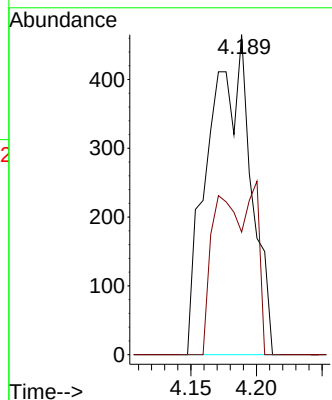
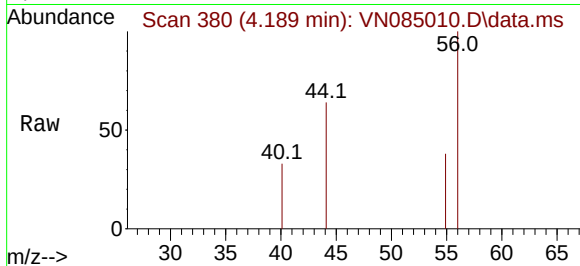
VSTDIC001

Tgt Ion: 56 Resp: 1041

Ion Ratio Lower Upper

56 100

55 50.4 54.5 81.7#



#14

Allyl chloride

Concen: 1.046 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

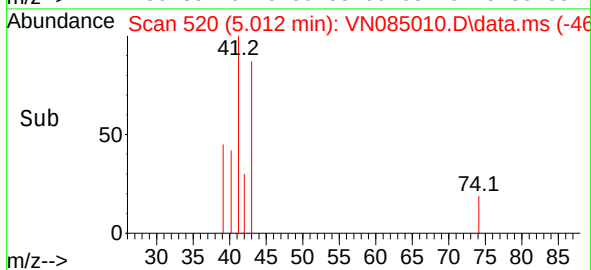
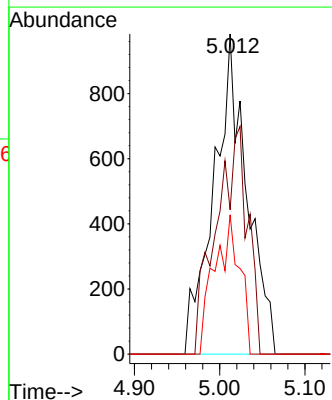
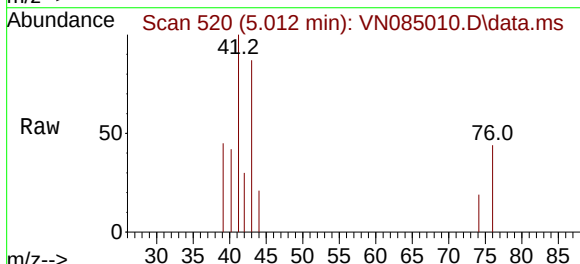
Tgt Ion: 41 Resp: 2663

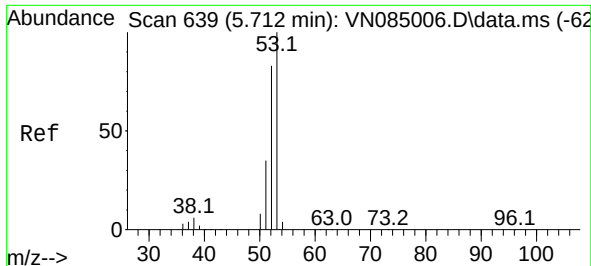
Ion Ratio Lower Upper

41 100

39 67.4 53.8 80.8

76 33.0 29.3 43.9

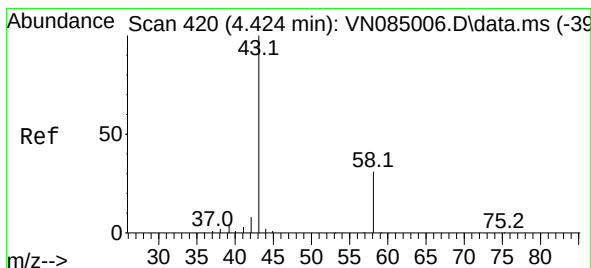
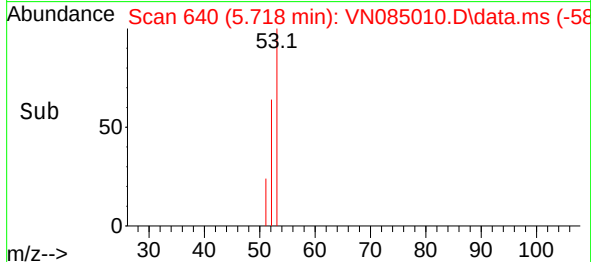
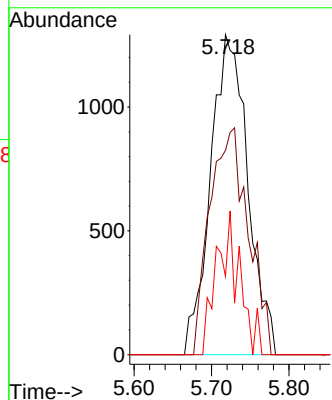
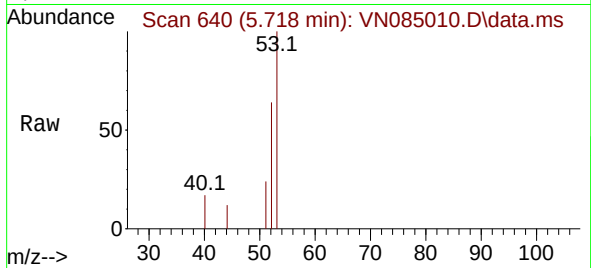




#15
Acrylonitrile
Concen: 5.625 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

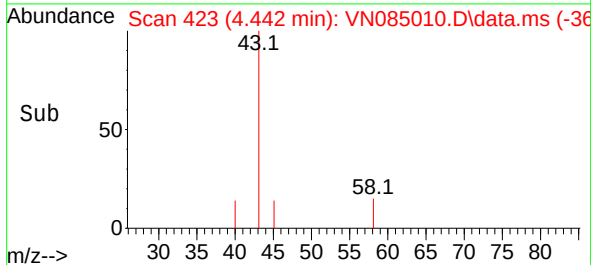
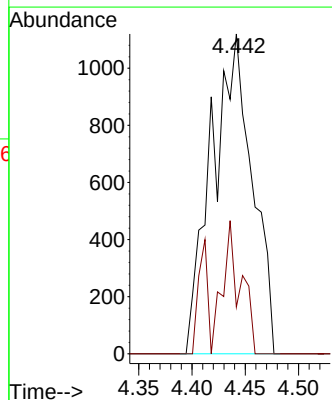
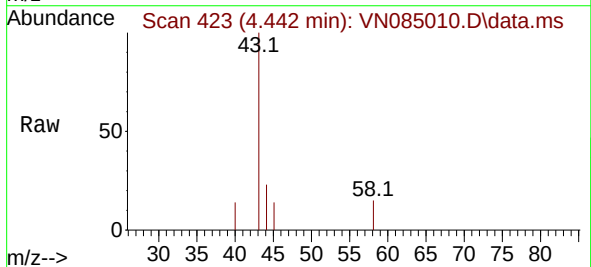
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

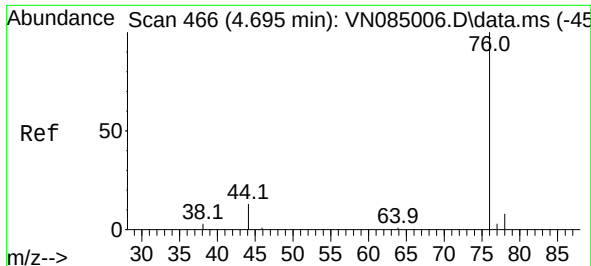
Tgt Ion: 53 Resp: 4314
Ion Ratio Lower Upper
53 100
52 73.5 65.5 98.3
51 0.0 28.4 42.6#



#16
Acetone
Concen: 5.036 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2973
Ion Ratio Lower Upper
43 100
58 14.6 25.4 38.2#





#17

Carbon Disulfide

Concen: 1.168 ug/l

RT: 4.694 min Scan# 4

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

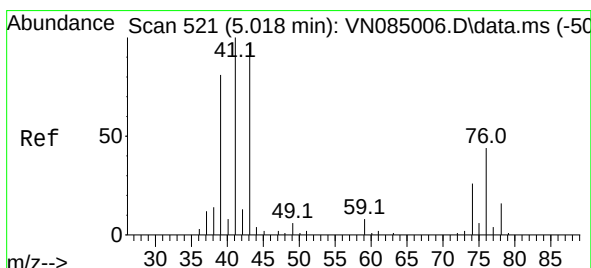
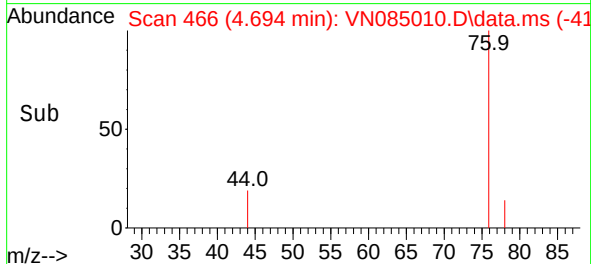
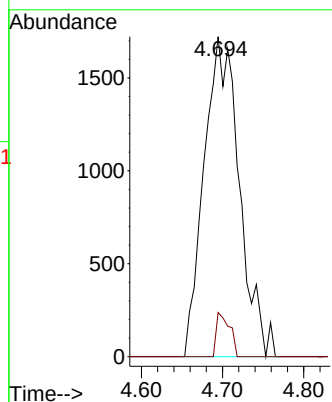
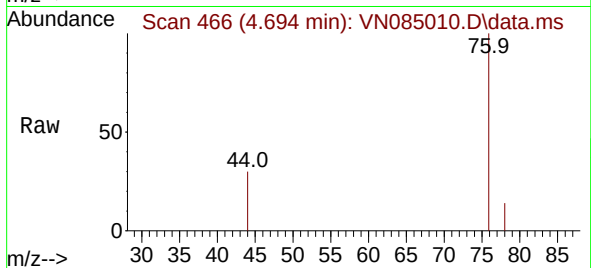
VSTDIC001

Tgt Ion: 76 Resp: 5206

Ion Ratio Lower Upper

76 100

78 13.8 6.5 9.7#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085010.D

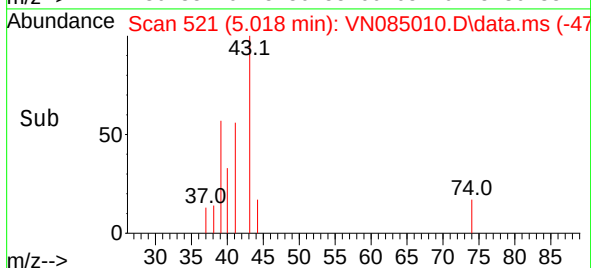
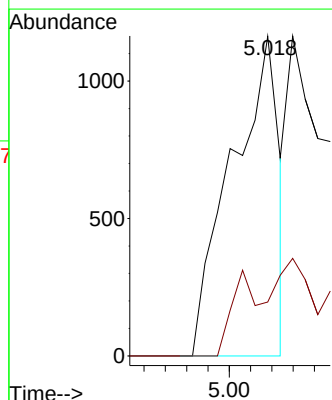
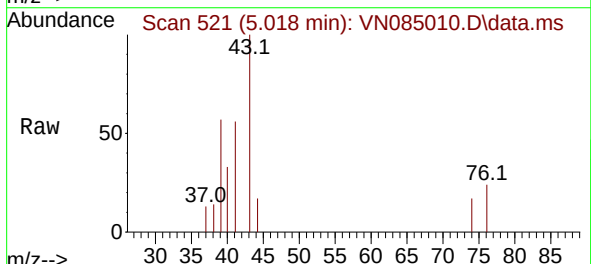
Acq: 22 Nov 2024 13:45

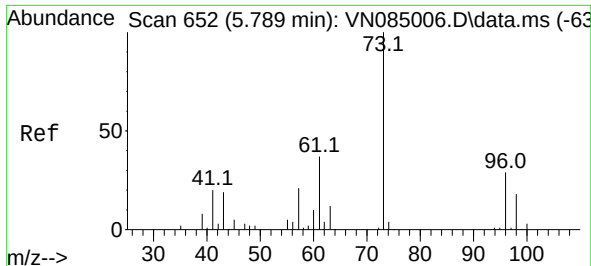
Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

74 25.8 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 0.552 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

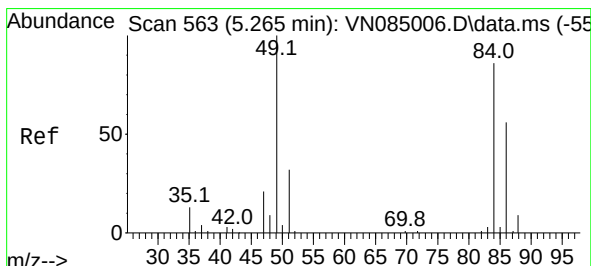
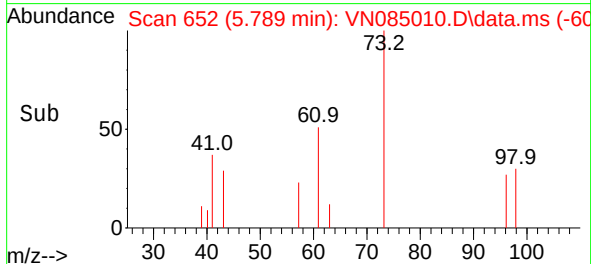
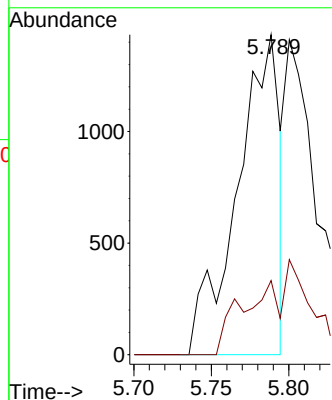
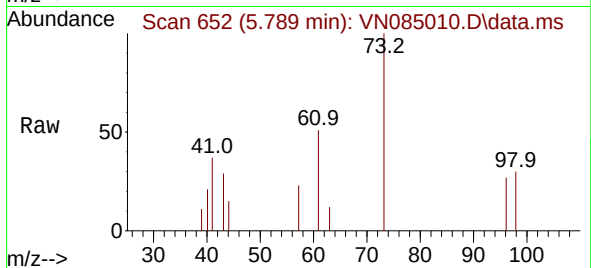
VSTDIC001

Tgt Ion: 73 Resp: 2724

Ion Ratio Lower Upper

73 100

57 23.2 17.0 25.4



#20

Methylene Chloride

Concen: 0.765 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 84 Resp: 1379

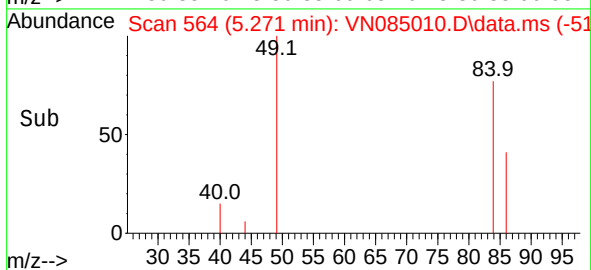
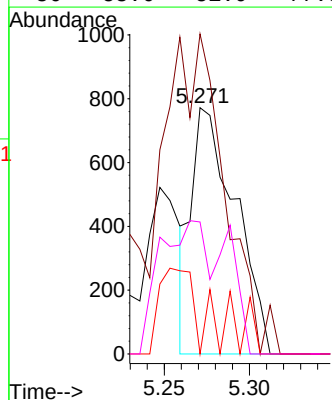
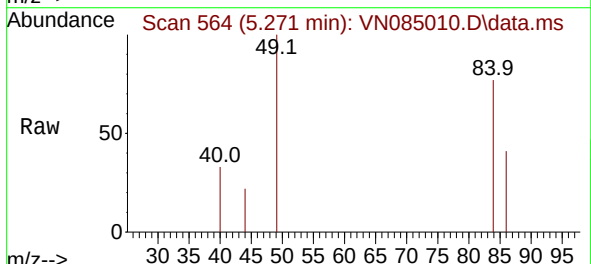
Ion Ratio Lower Upper

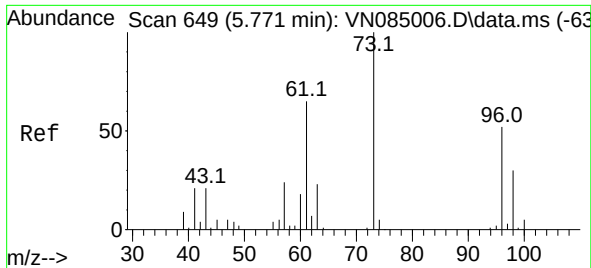
84 100

49 129.9 92.7 139.1

51 0.0 29.4 44.2#

86 53.6 51.9 77.9

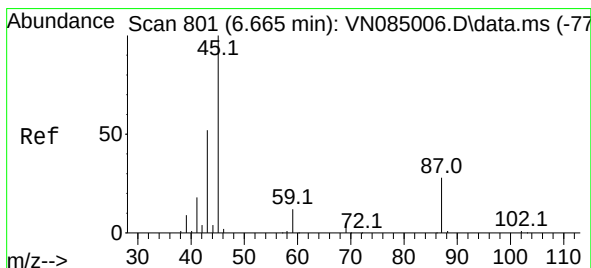
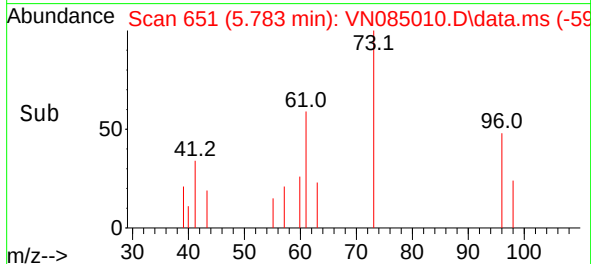
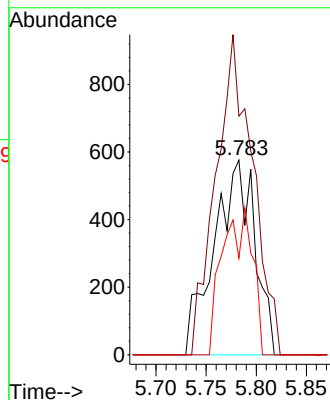
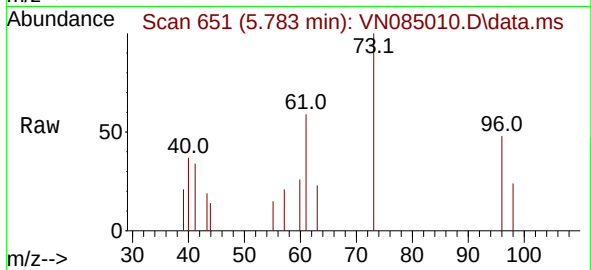




#21
trans-1,2-Dichloroethene
Concen: 1.022 ug/l
RT: 5.783 min Scan# 649
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

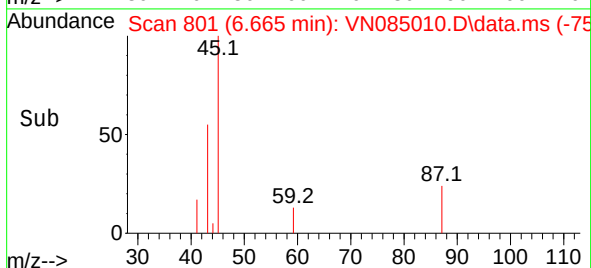
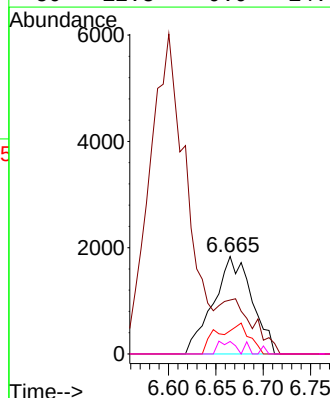
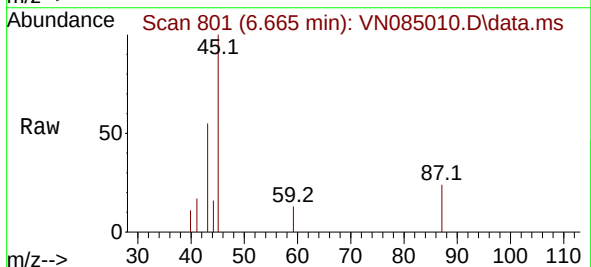
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

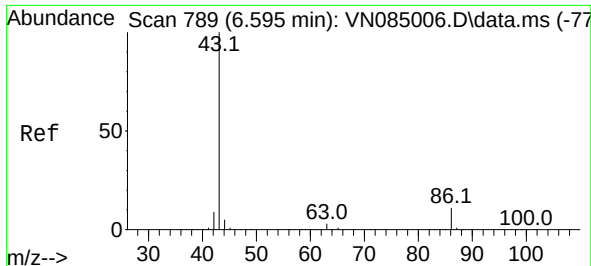
Tgt Ion: 96 Resp: 1624
Ion Ratio Lower Upper
96 100
61 122.6 100.7 151.1
98 49.7 45.8 68.6



#22
Diisopropyl ether
Concen: 1.014 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 45 Resp: 5194
Ion Ratio Lower Upper
45 100
43 55.3 42.7 64.1
87 23.7 22.6 34.0
59 12.8 9.9 14.9

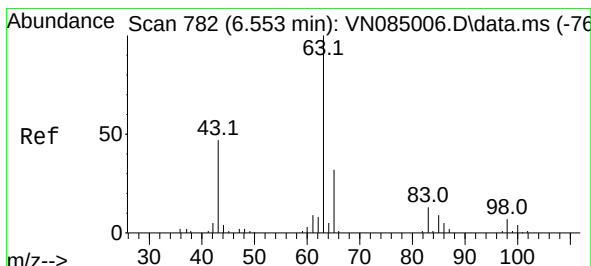
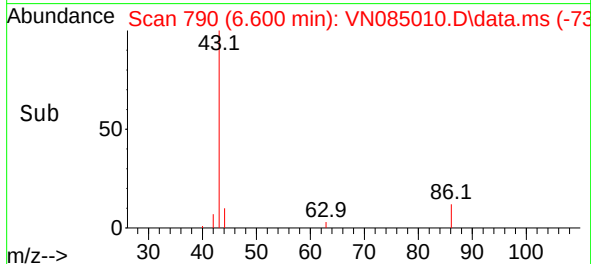
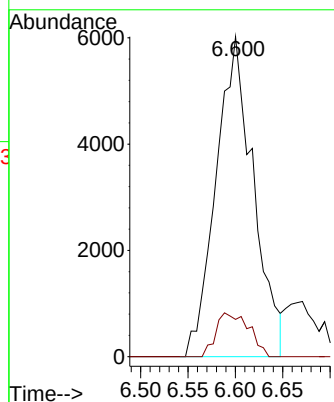
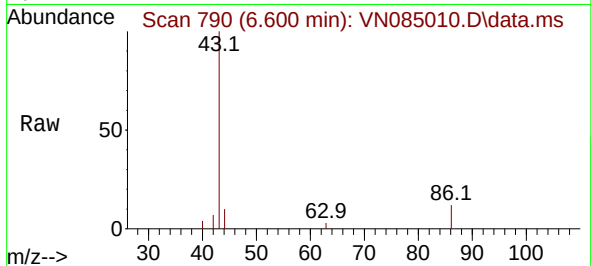




#23
 Vinyl Acetate
 Concen: 4.672 ug/l
 RT: 6.600 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

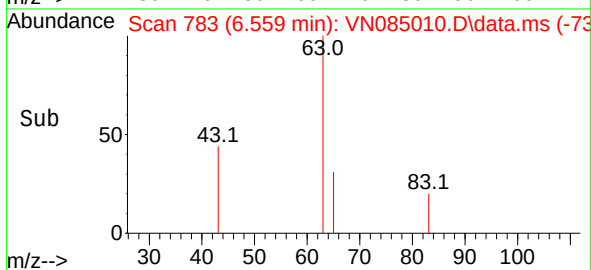
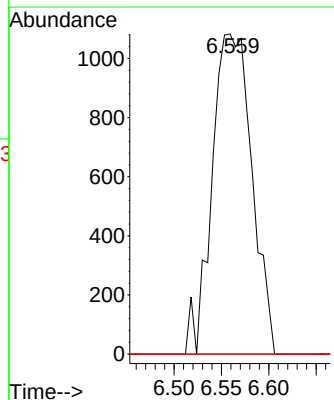
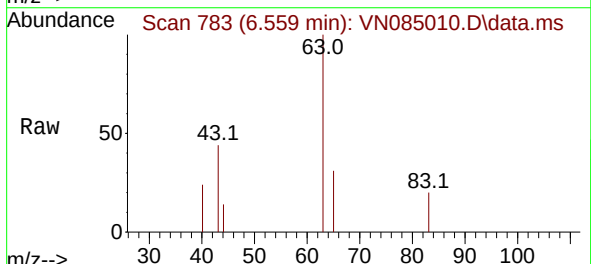
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

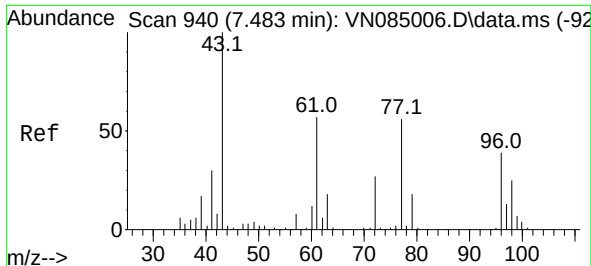
Tgt Ion: 43 Resp: 16519
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 1.036 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.006 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

Tgt Ion: 63 Resp: 3177
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.2 6.6#





#25

2-Butanone

Concen: 5.556 ug/l

RT: 7.477 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

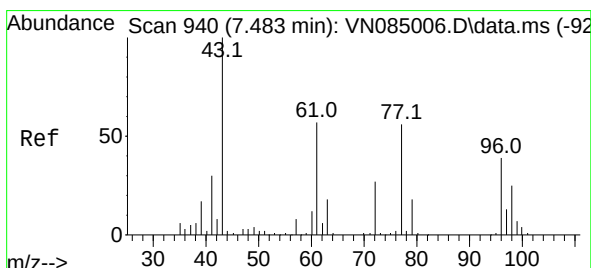
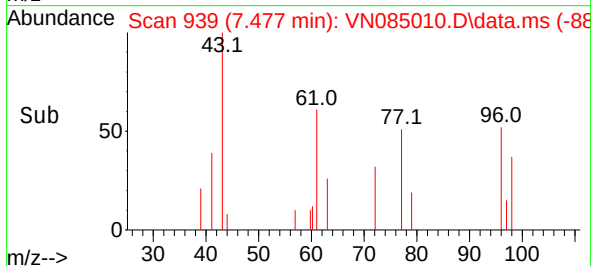
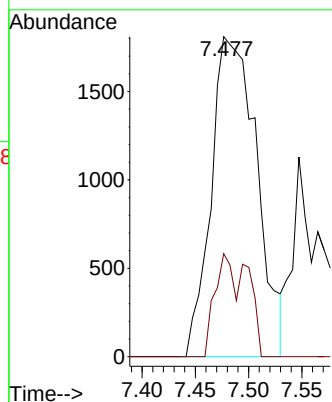
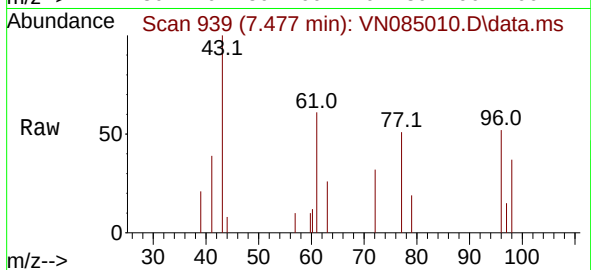
VSTDIC001

Tgt Ion: 43 Resp: 5363

Ion Ratio Lower Upper

43 100

72 32.2 21.4 32.0#



#26

2,2-Dichloropropane

Concen: 1.077 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN085010.D

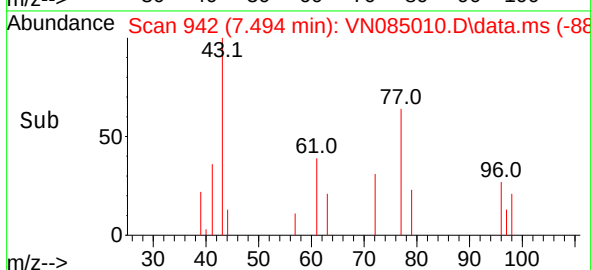
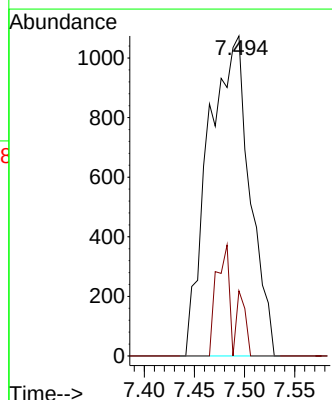
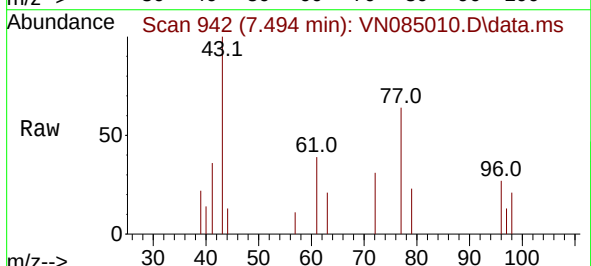
Acq: 22 Nov 2024 13:45

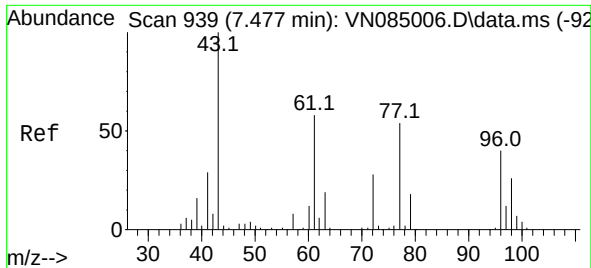
Tgt Ion: 77 Resp: 3083

Ion Ratio Lower Upper

77 100

97 15.0 10.9 32.7



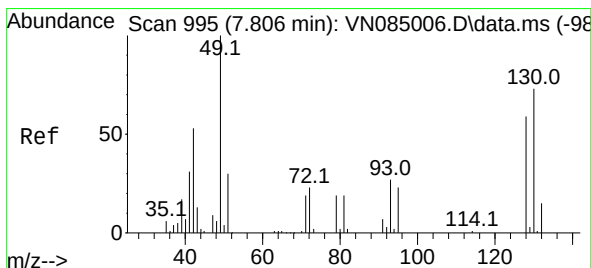
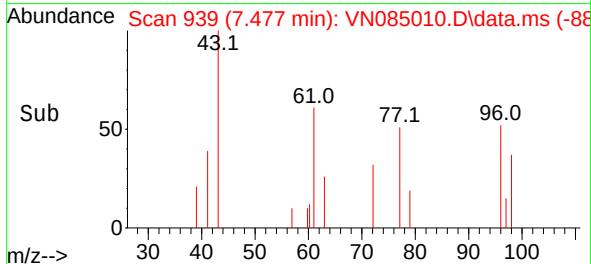
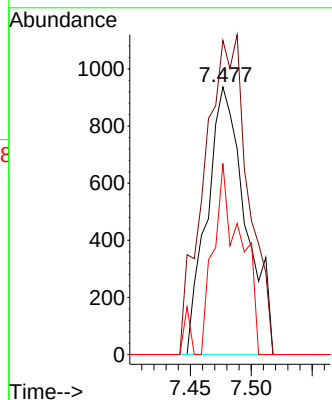
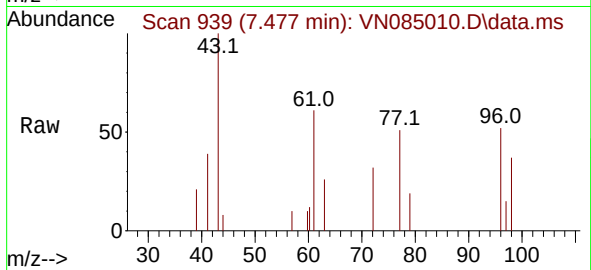


#27
 cis-1,2-Dichloroethene
 Concen: 1.082 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. -0.000 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 96 Resp: 2074

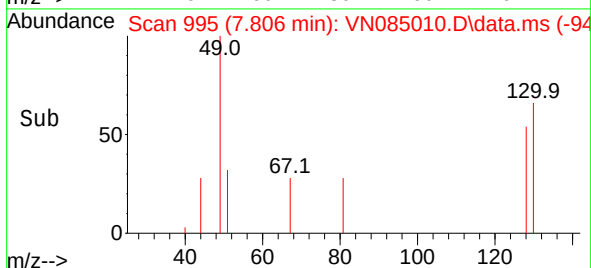
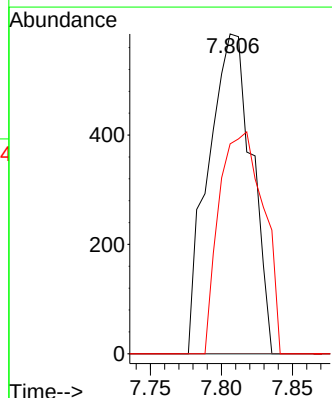
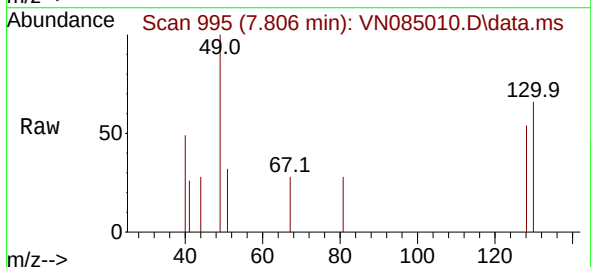
Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	291.6
98	50.5	0.0	129.8

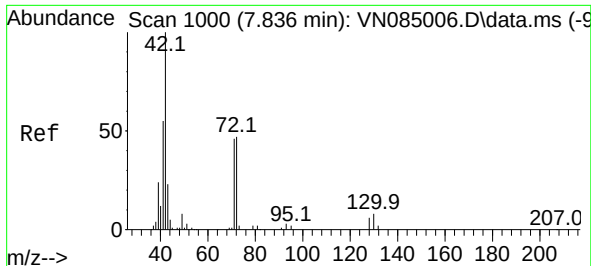


#28
 Bromochloromethane
 Concen: 1.078 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

Tgt Ion: 49 Resp: 1248

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.8	60.6	90.8





#29

Tetrahydrofuran

Concen: 5.061 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

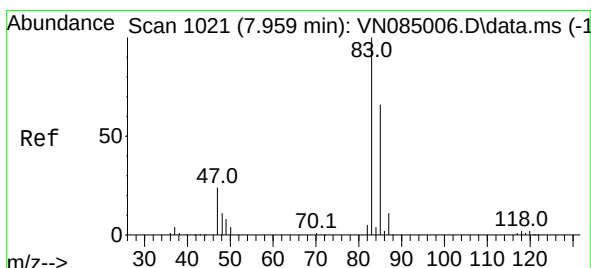
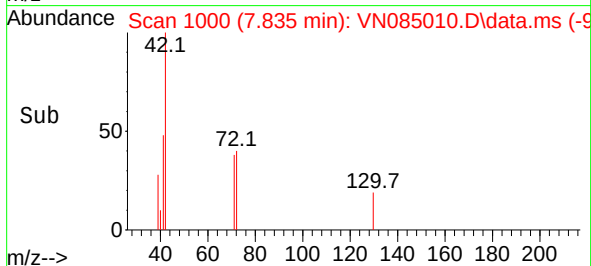
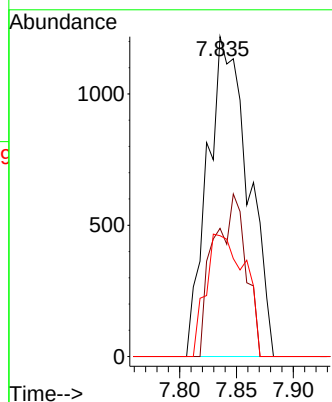
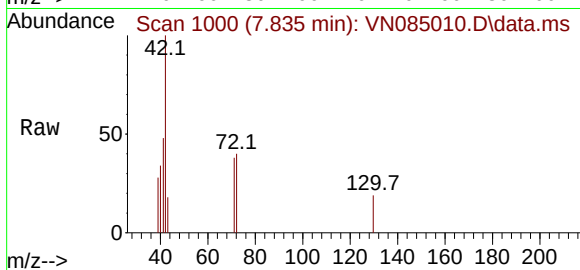
Tgt Ion: 42 Resp: 3038

Ion Ratio Lower Upper

42 100

72 40.1 37.0 55.4

71 36.8 35.0 52.4



#30

Chloroform

Concen: 1.172 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085010.D

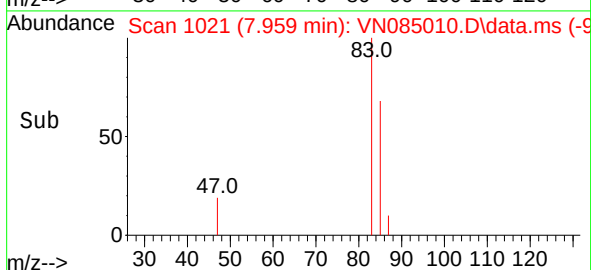
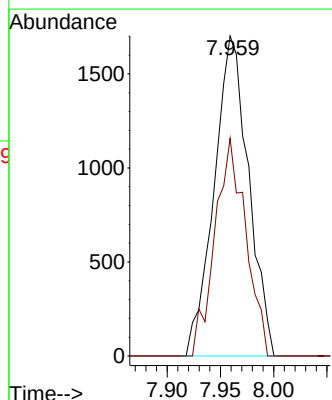
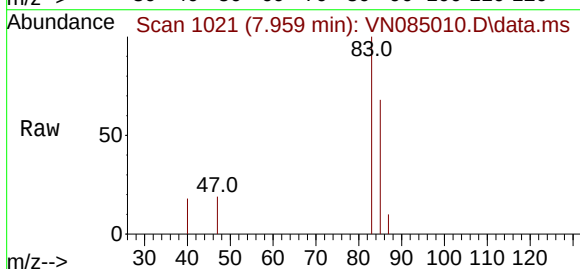
Acq: 22 Nov 2024 13:45

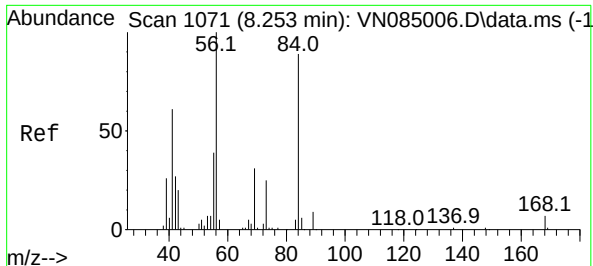
Tgt Ion: 83 Resp: 3824

Ion Ratio Lower Upper

83 100

85 68.0 52.6 78.8

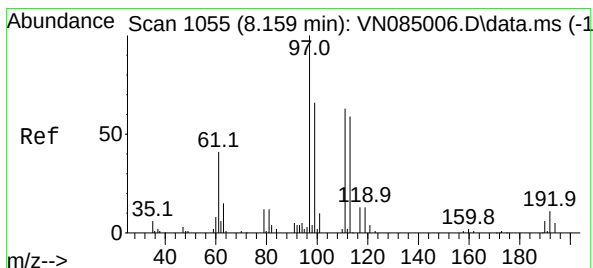
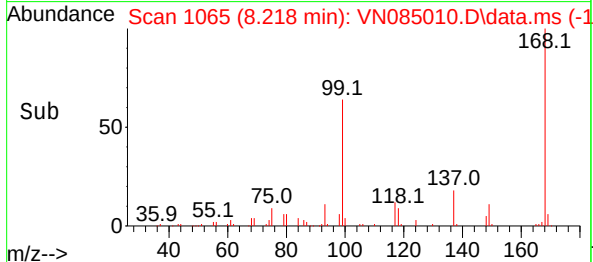
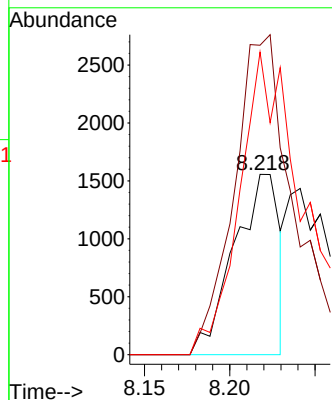
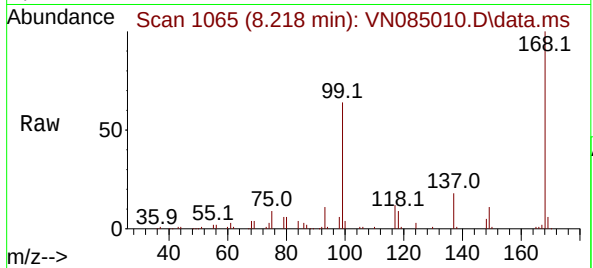




#31
Cyclohexane
Concen: 1.060 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

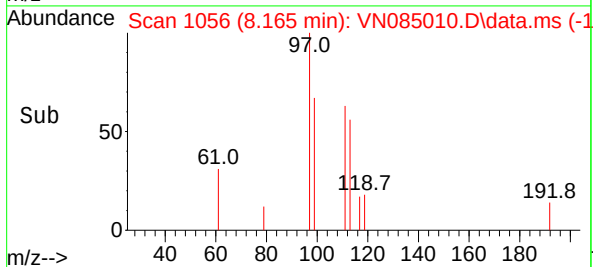
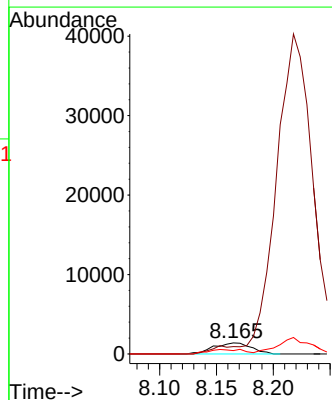
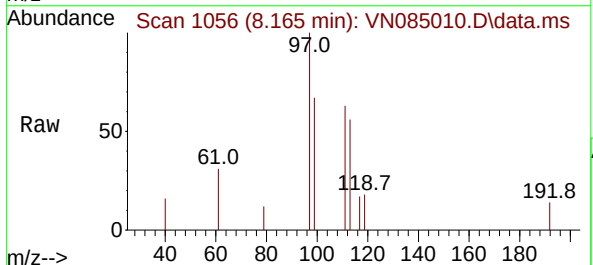
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

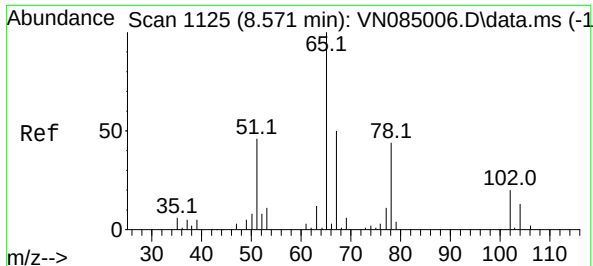
Tgt Ion: 56 Resp: 2861
Ion Ratio Lower Upper
56 100
69 171.7 24.6 36.8#
84 167.8 71.4 107.2#



#32
1,1,1-Trichloroethane
Concen: 1.096 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 97 Resp: 3231
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 38.6 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 1.171 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

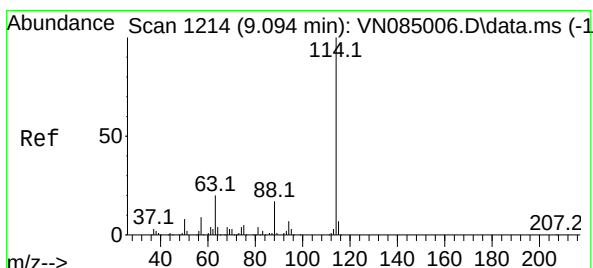
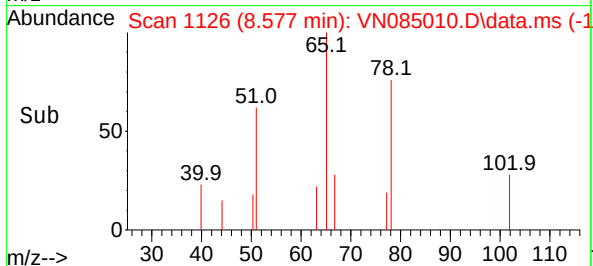
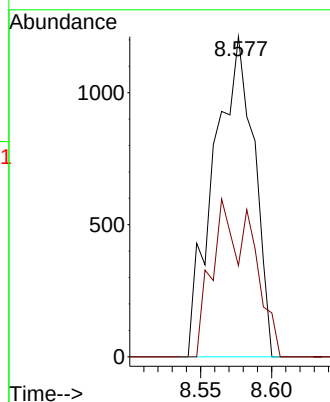
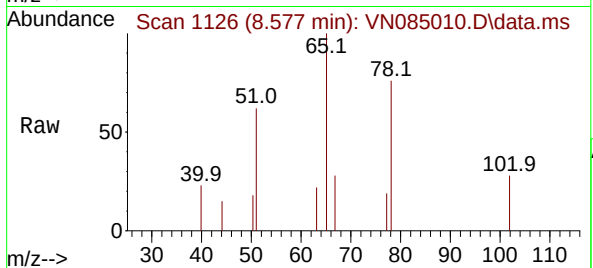
VSTDIC001

Tgt Ion: 65 Resp: 2374

Ion Ratio Lower Upper

65 100

67 30.2 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

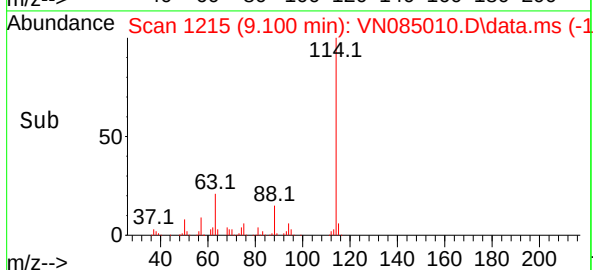
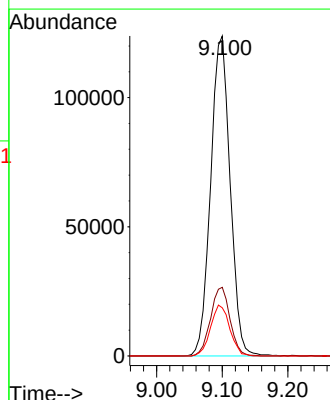
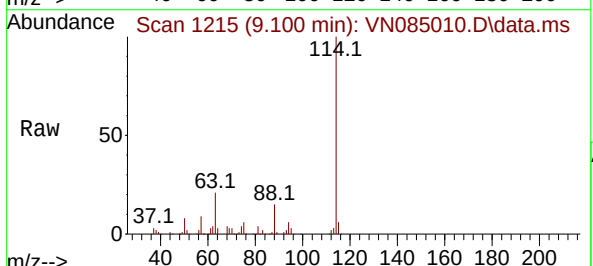
Tgt Ion: 114 Resp: 255159

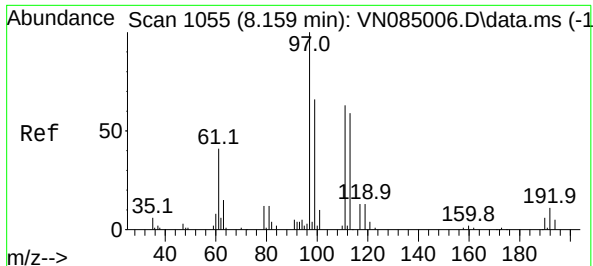
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 15.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 1.133 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

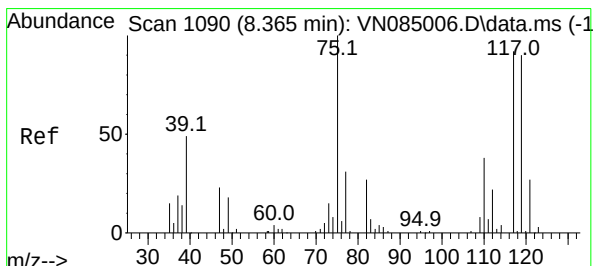
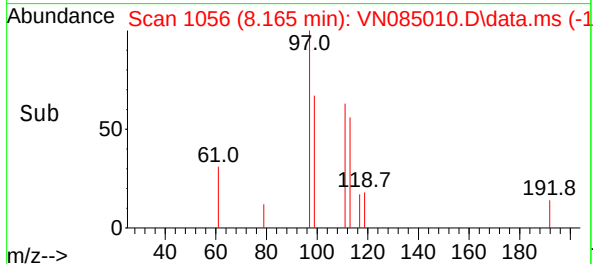
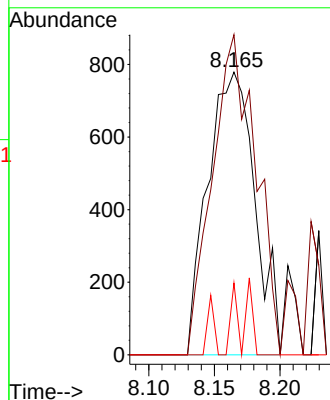
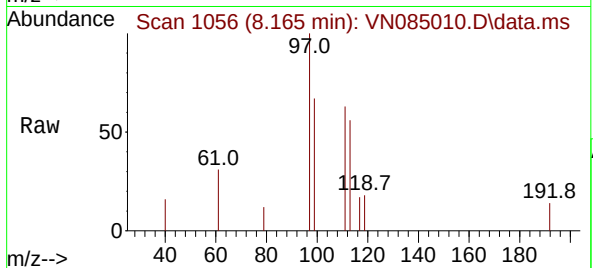
Tgt Ion:113 Resp: 1949

Ion Ratio Lower Upper

113 100

111 104.5 82.0 123.0

192 7.4 14.8 22.2#



#36

1,1-Dichloropropene

Concen: 0.989 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

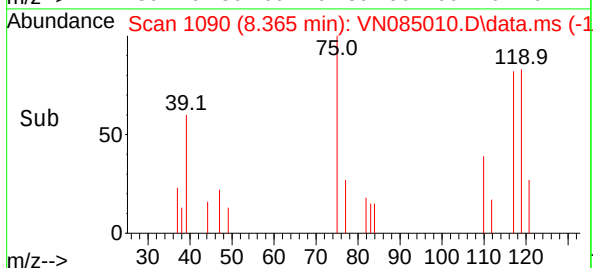
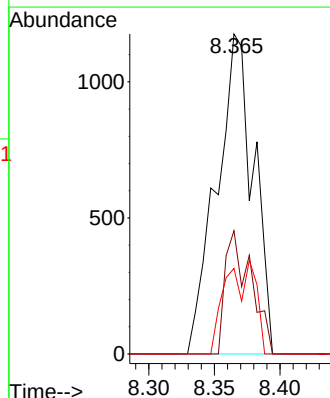
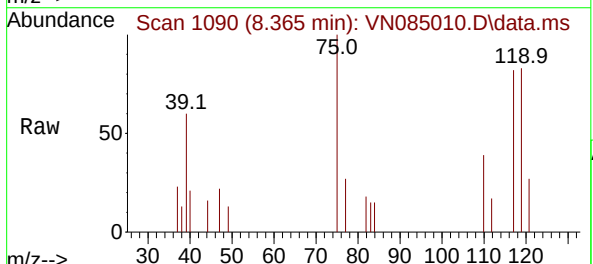
Tgt Ion: 75 Resp: 2304

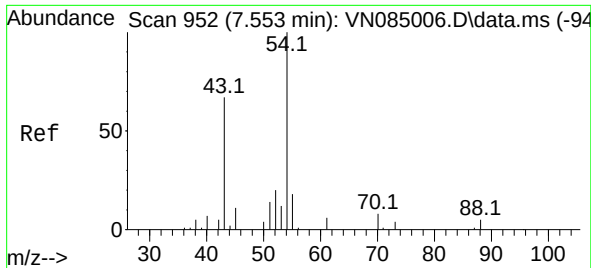
Ion Ratio Lower Upper

75 100

110 26.6 17.2 51.6

77 23.8 24.2 36.4#





#37

Ethyl Acetate

Concen: 0.992 ug/l

RT: 7.547 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

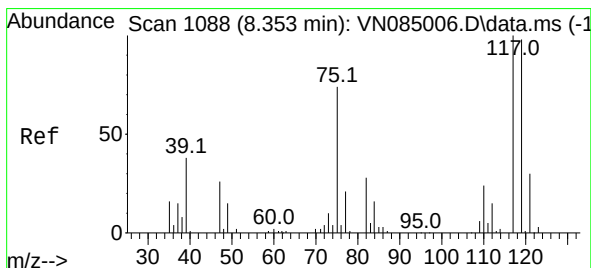
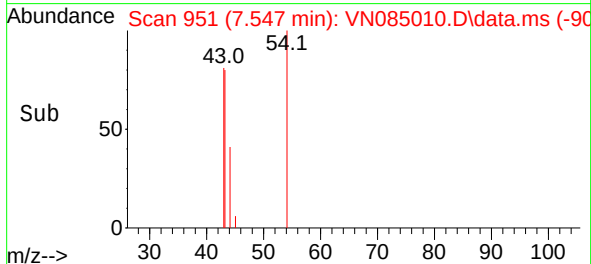
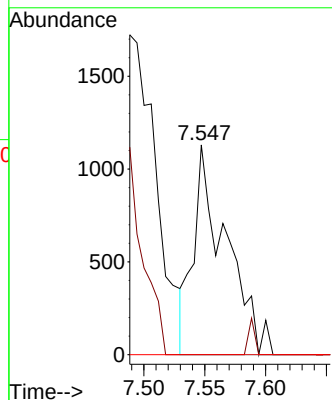
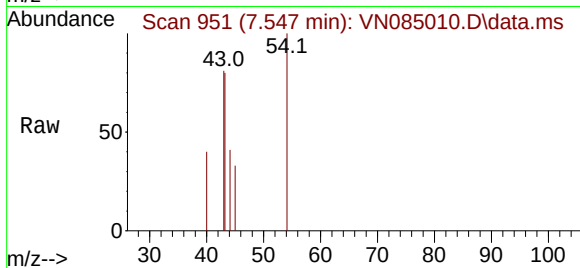
Tgt Ion: 43 Resp: 2101

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

70 0.0 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 0.949 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

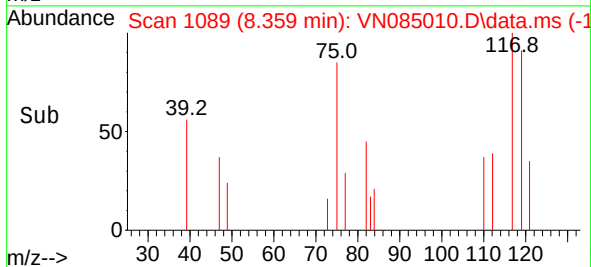
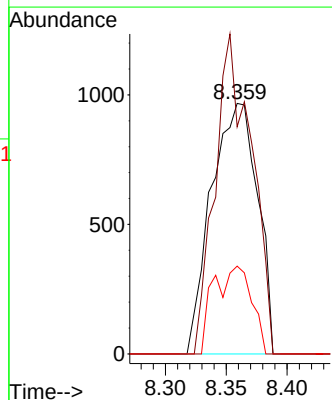
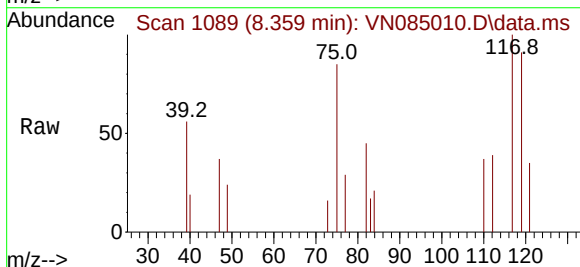
Tgt Ion: 117 Resp: 2554

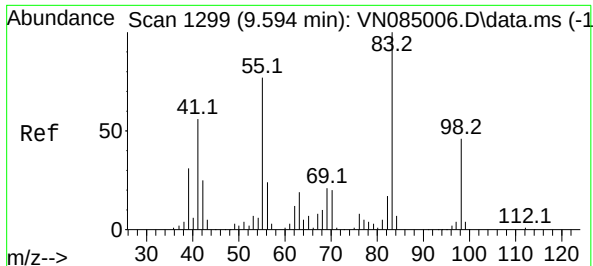
Ion Ratio Lower Upper

117 100

119 90.7 78.6 117.8

121 35.1 24.2 36.2





#39

Methylcyclohexane

Concen: 0.804 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

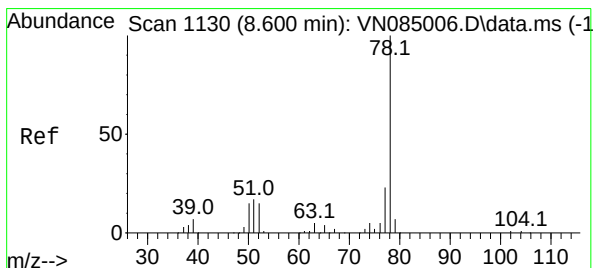
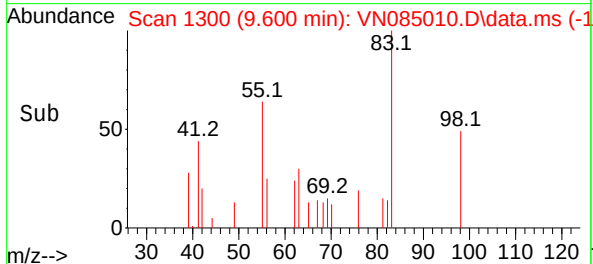
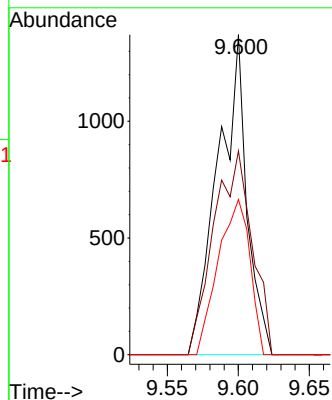
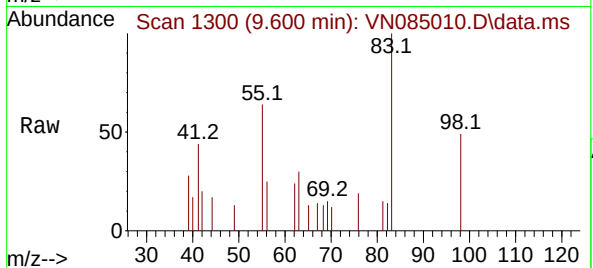
Tgt Ion: 83 Resp: 1948

Ion Ratio Lower Upper

83 100

55 63.7 61.8 92.6

98 48.5 37.0 55.6



#40

Benzene

Concen: 1.012 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085010.D

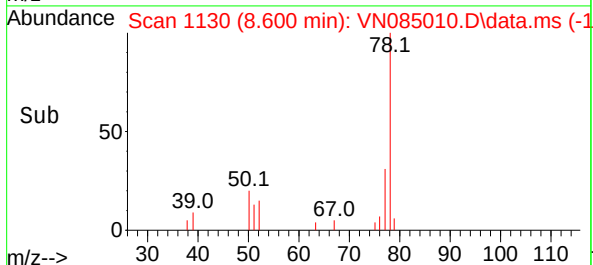
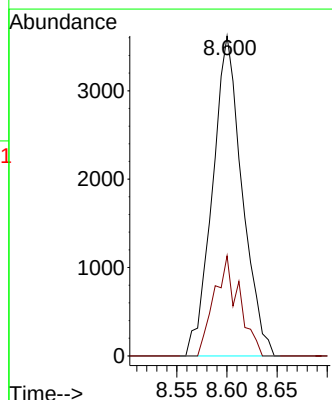
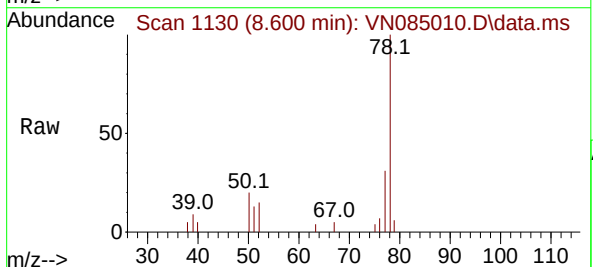
Acq: 22 Nov 2024 13:45

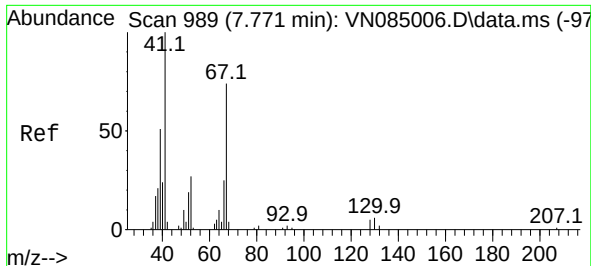
Tgt Ion: 78 Resp: 7459

Ion Ratio Lower Upper

78 100

77 31.3 18.5 27.7#

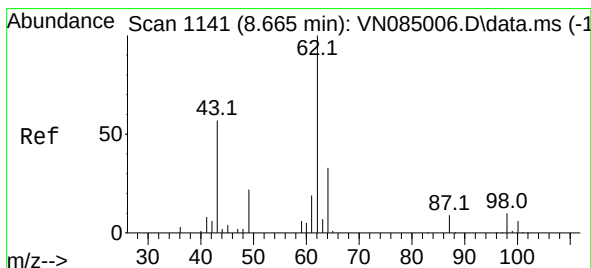
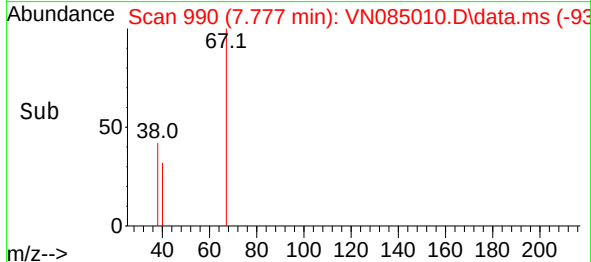
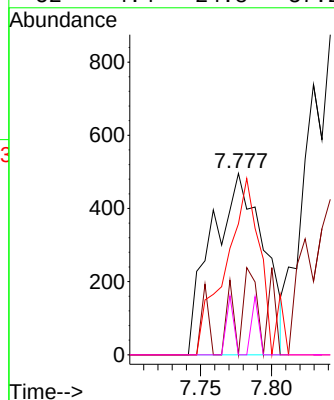
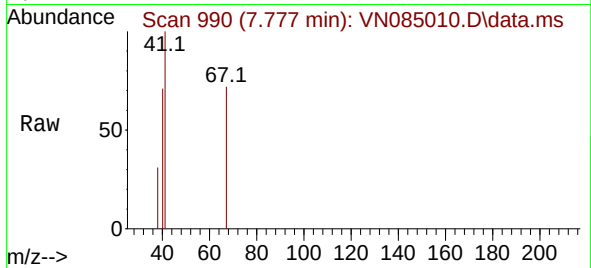




#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

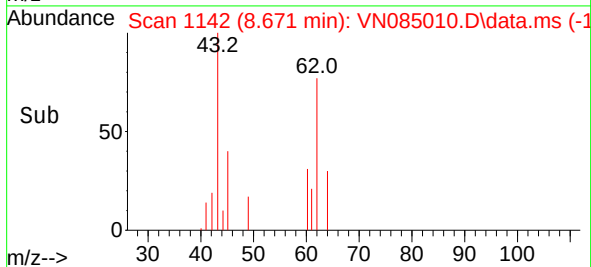
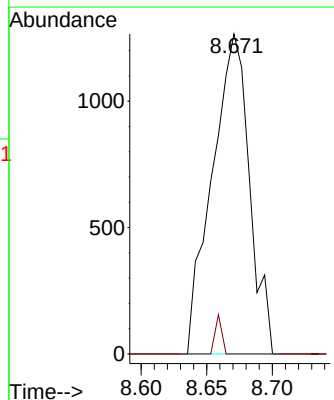
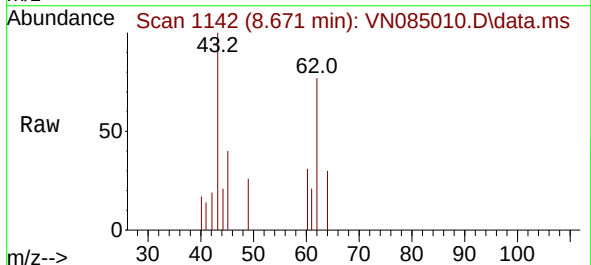
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

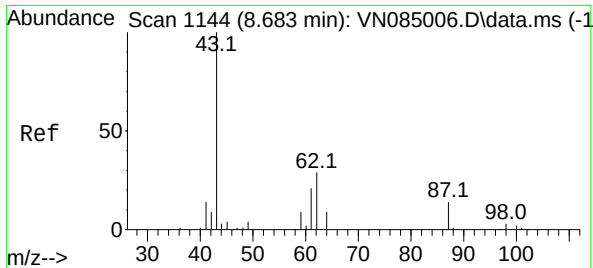
Tgt Ion: 41	Resp: 1263
Ion Ratio	Lower Upper
41 100	
39 17.9	42.6 63.8#
67 67.1	59.9 89.9
52 4.4	24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.996 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 62	Resp:	2512	
Ion	Ratio	Lower	Upper
62	100		
98	2.2	0.0	18.2





#43

Isopropyl Acetate

Concen: 1.821 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

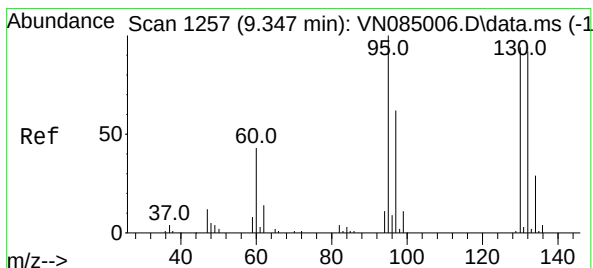
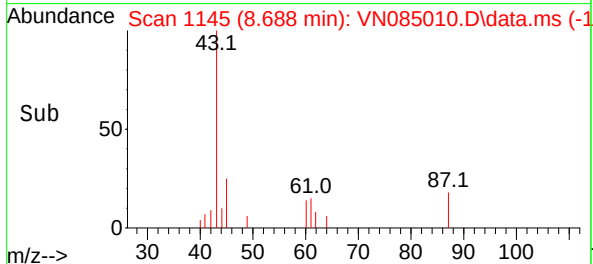
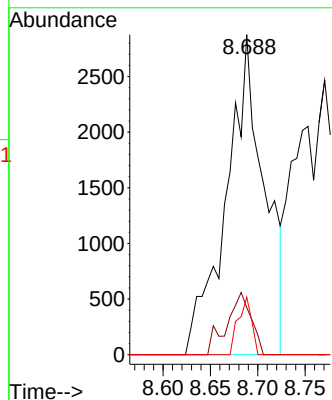
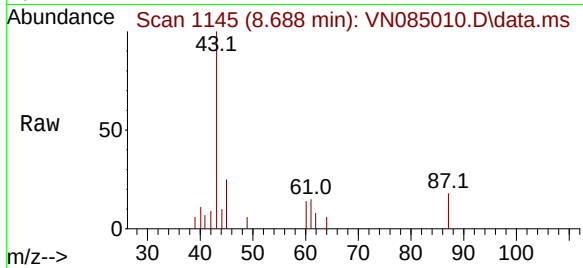
Tgt Ion: 43 Resp: 8014

Ion Ratio Lower Upper

43 100

61 12.5 20.6 30.8#

87 6.3 11.0 16.4#



#44

Trichloroethene

Concen: 0.984 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085010.D

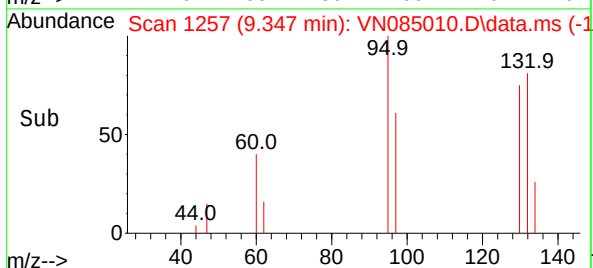
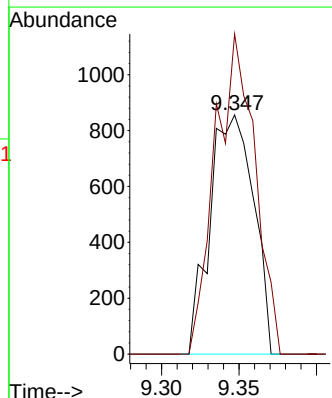
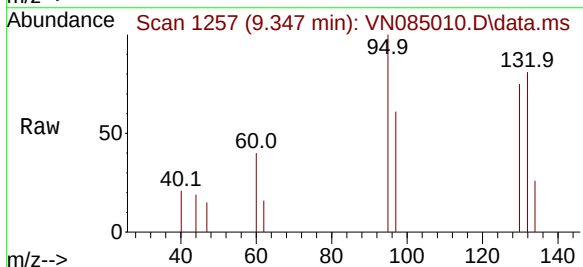
Acq: 22 Nov 2024 13:45

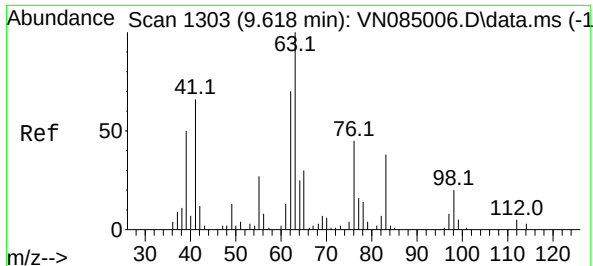
Tgt Ion:130 Resp: 1685

Ion Ratio Lower Upper

130 100

95 133.9 0.0 213.4

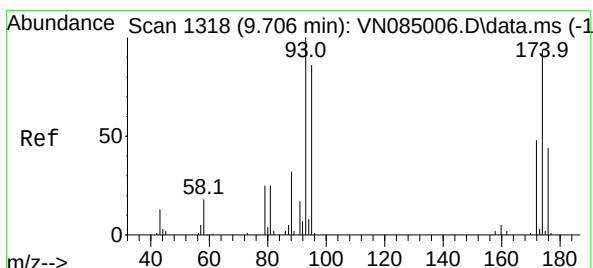
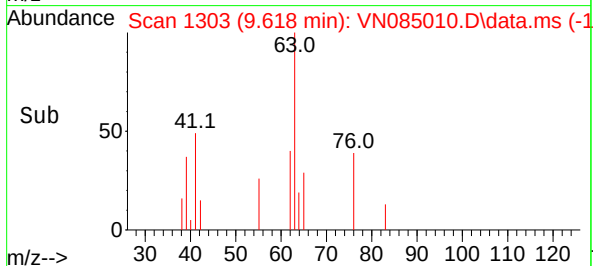
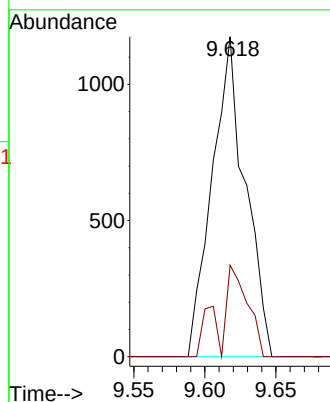
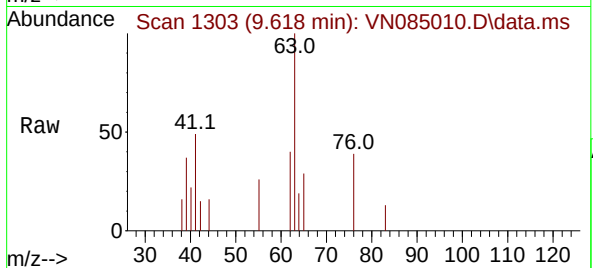




#45
1,2-Dichloropropane
Concen: 1.053 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

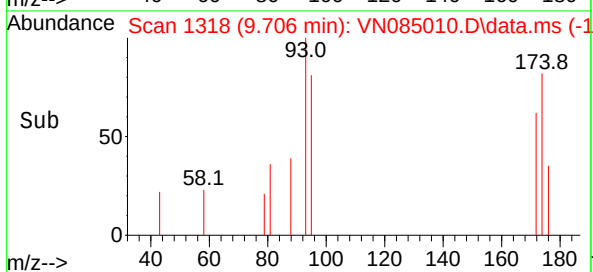
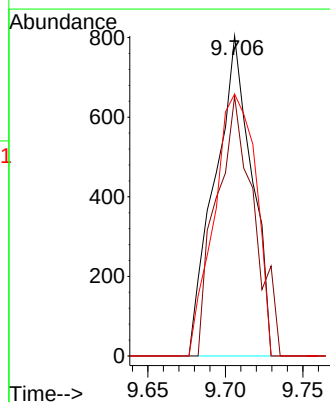
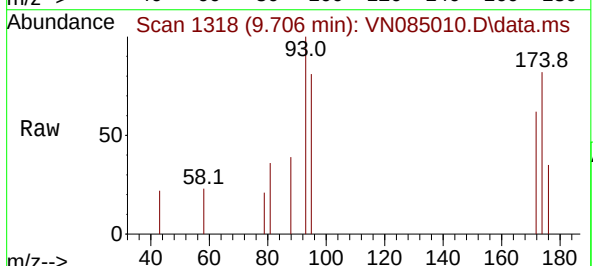
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

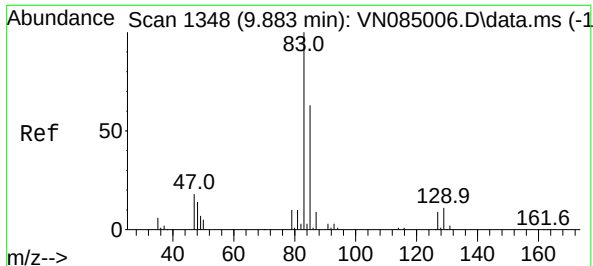
Tgt Ion: 63 Resp: 1911
Ion Ratio Lower Upper
63 100
65 28.6 24.0 36.0



#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 93 Resp: 1327
Ion Ratio Lower Upper
93 100
95 82.8 66.2 99.4
174 92.9 74.9 112.3

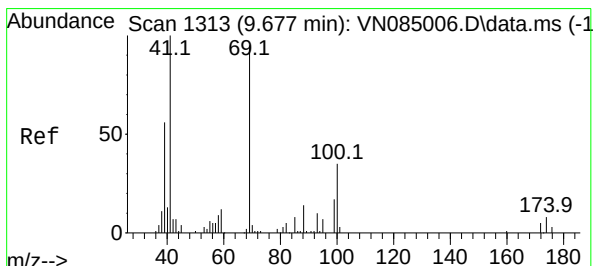
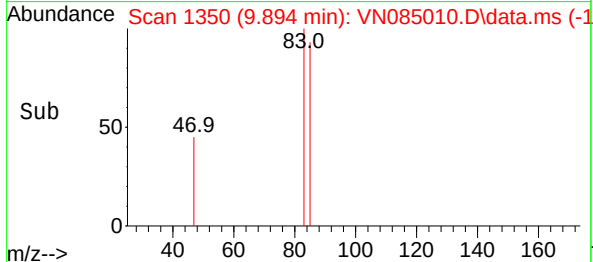
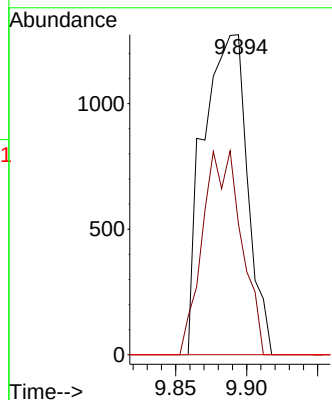
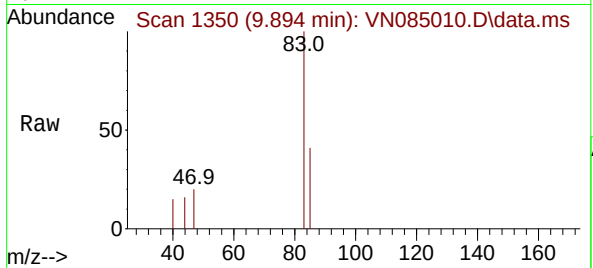




#47
Bromodichloromethane
Concen: 1.031 ug/l
RT: 9.894 min Scan# 1348
Delta R.T. 0.012 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

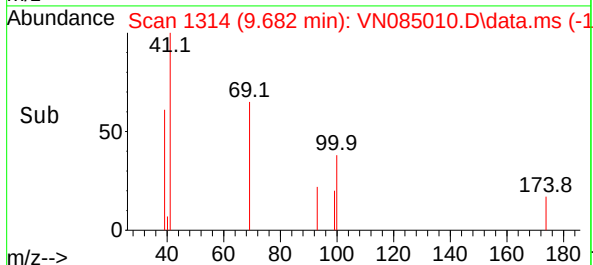
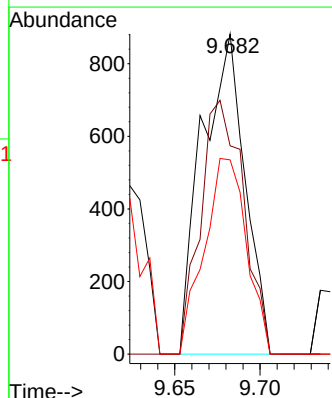
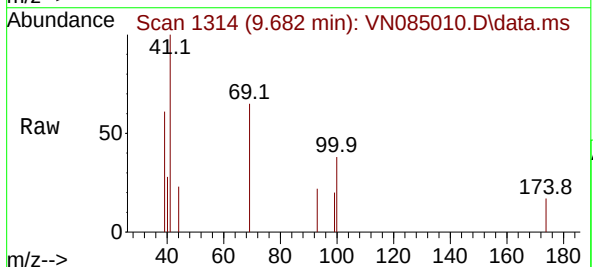
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

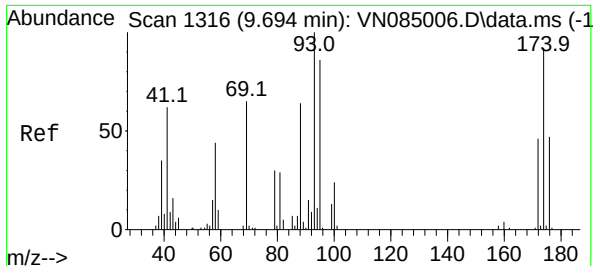
Tgt Ion: 83 Resp: 2757
Ion Ratio Lower Upper
83 100
85 40.9 50.5 75.7#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 0.946 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 41 Resp: 1550
Ion Ratio Lower Upper
41 100
69 79.2 73.2 109.8
39 60.1 46.2 69.4





#49

1,4-Dioxane

Concen: 19.470 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

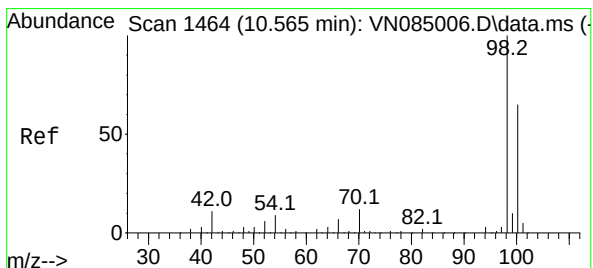
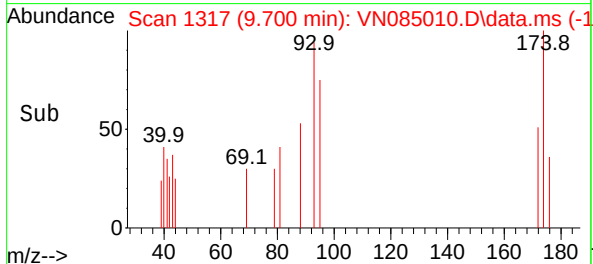
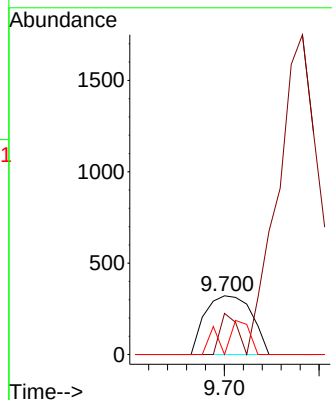
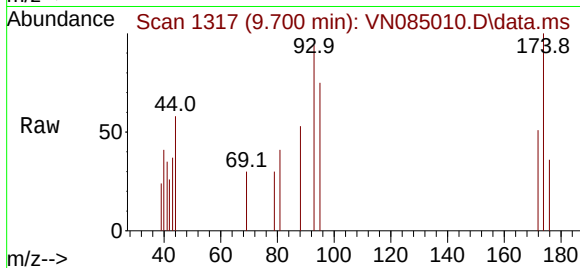
Tgt Ion: 88 Resp: 553

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 32.4 56.5 84.7#



#50

Toluene-d8

Concen: 1.006 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085010.D

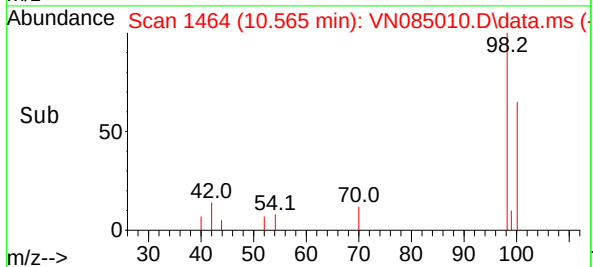
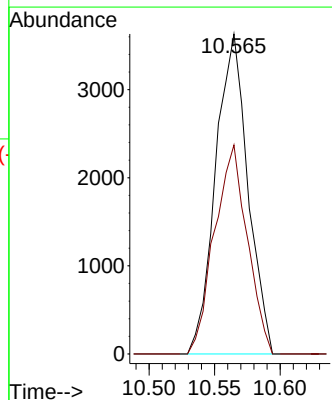
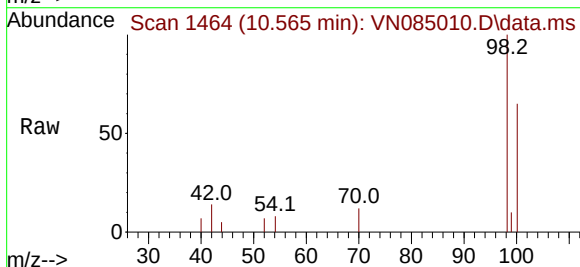
Acq: 22 Nov 2024 13:45

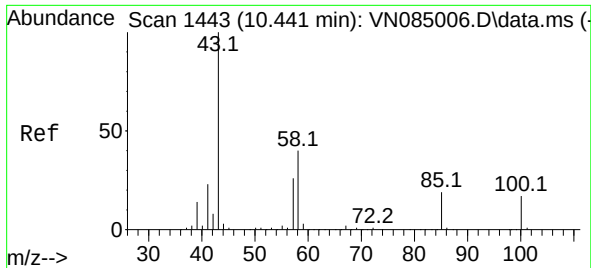
Tgt Ion: 98 Resp: 6206

Ion Ratio Lower Upper

98 100

100 66.5 52.5 78.7

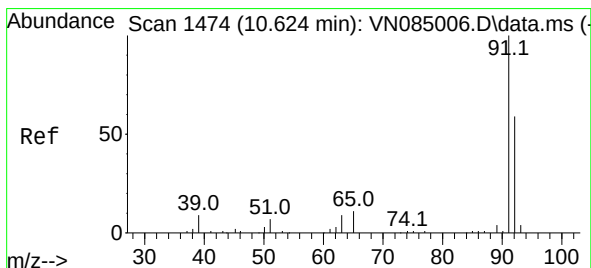
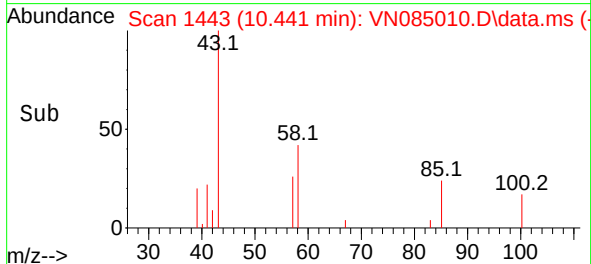
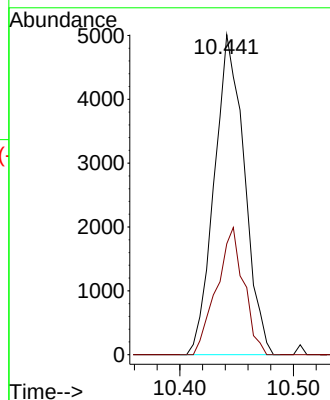
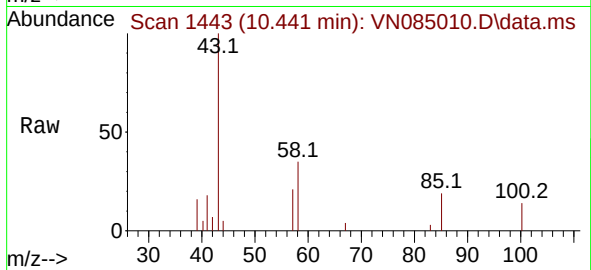




#51
4-Methyl-2-Pentanone
Concen: 4.578 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

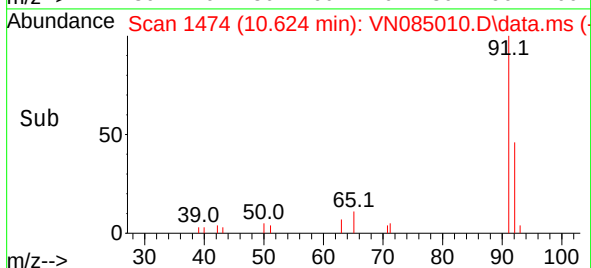
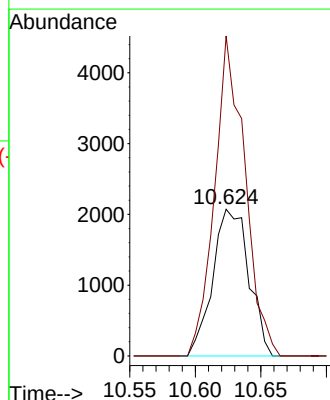
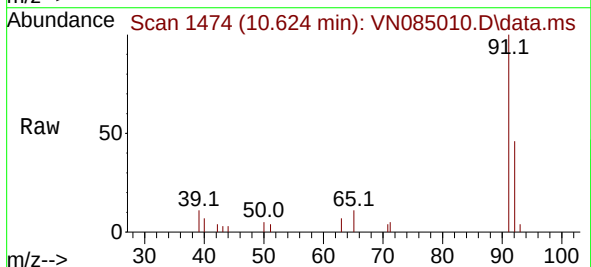
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

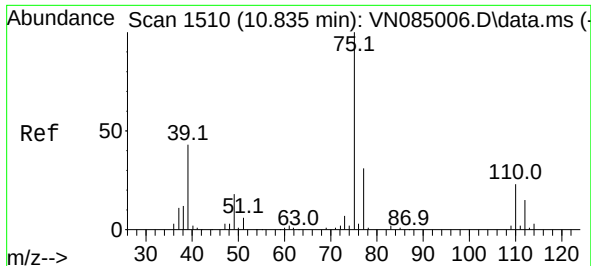
Tgt Ion: 43 Resp: 9203
Ion Ratio Lower Upper
43 100
58 36.0 32.1 48.1



#52
Toluene
Concen: 0.912 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 92 Resp: 3979
Ion Ratio Lower Upper
92 100
91 182.5 136.7 205.1

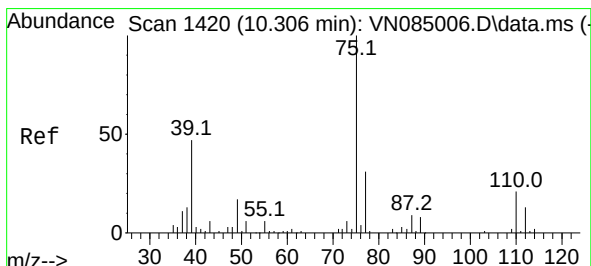
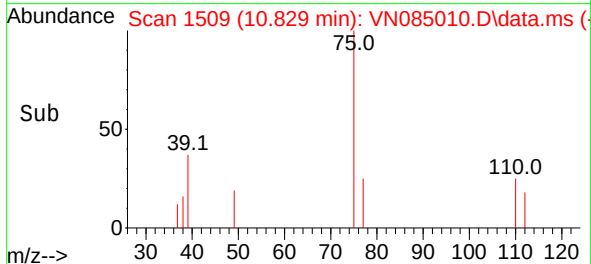
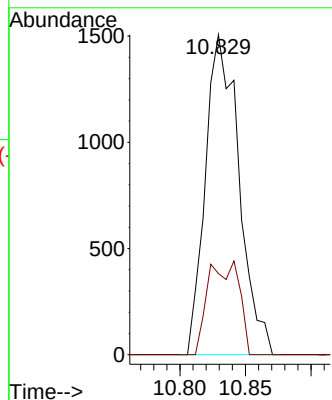
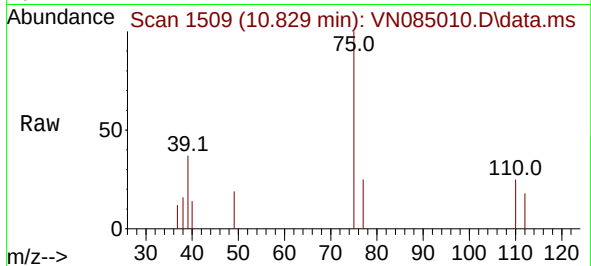




#53
t-1,3-Dichloropropene
Concen: 1.000 ug/l
RT: 10.829 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

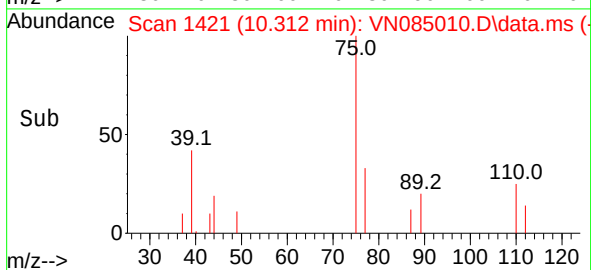
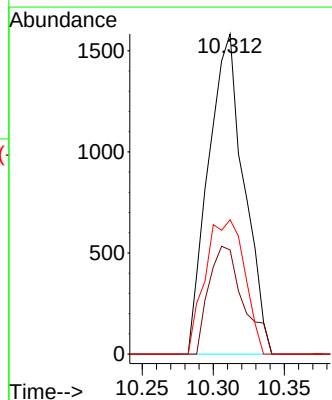
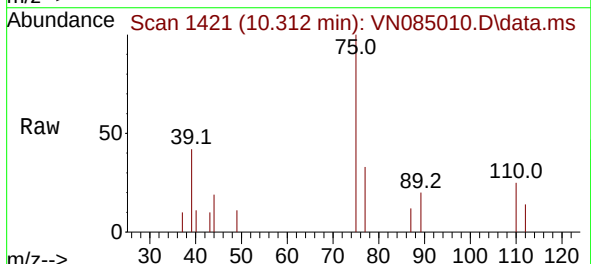
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

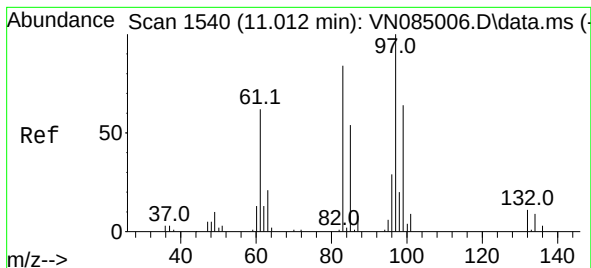
Tgt Ion: 75 Resp: 2680
Ion Ratio Lower Upper
75 100
77 25.3 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 0.970 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 2759
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.4
39 41.9 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 0.945 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 1536

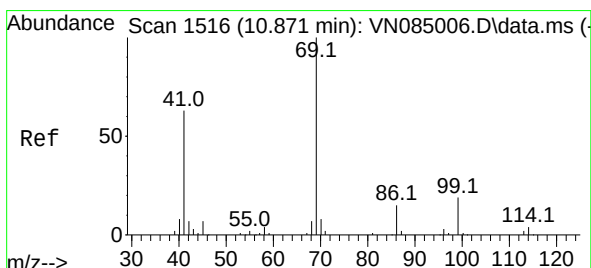
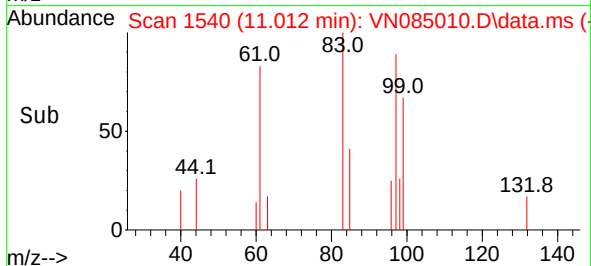
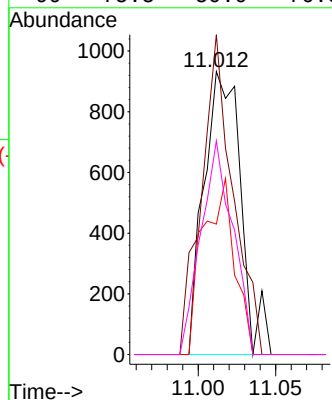
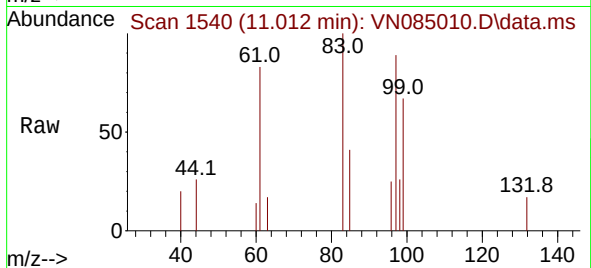
Ion Ratio Lower Upper

97 100

83 113.0 67.4 101.2#

85 46.1 43.1 64.7

99 75.5 50.9 76.3



#56

Ethyl methacrylate

Concen: 0.795 ug/l

RT: 10.876 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

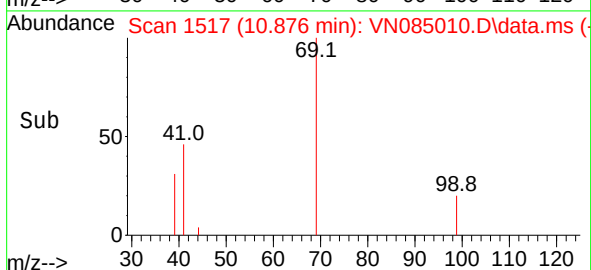
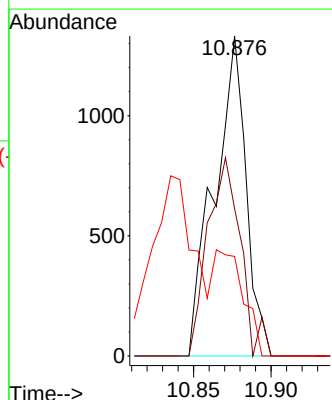
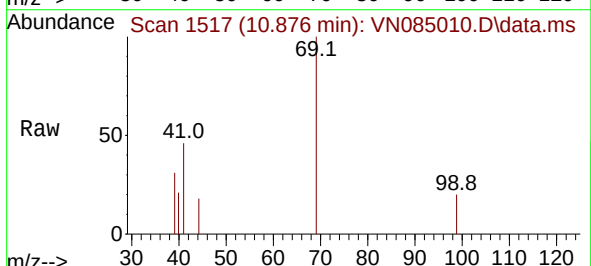
Tgt Ion: 69 Resp: 1888

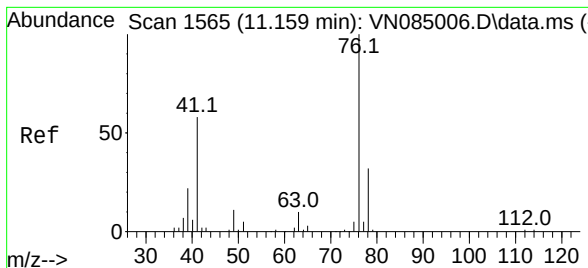
Ion Ratio Lower Upper

69 100

41 64.1 50.0 75.0

39 31.6 27.0 40.6





#57

1,3-Dichloropropane

Concen: 1.020 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

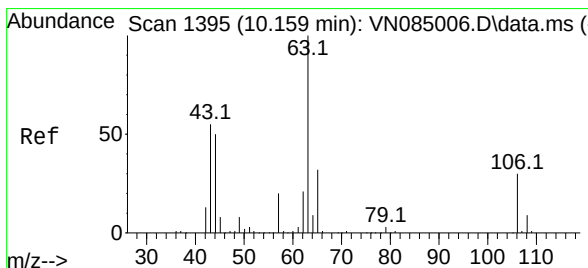
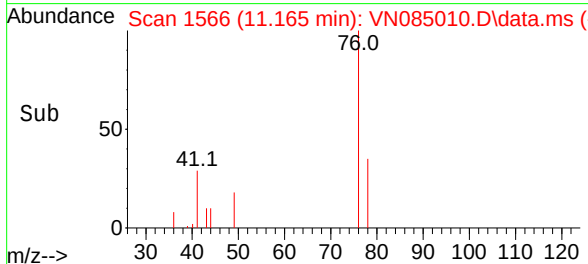
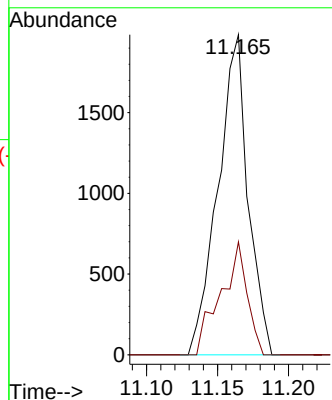
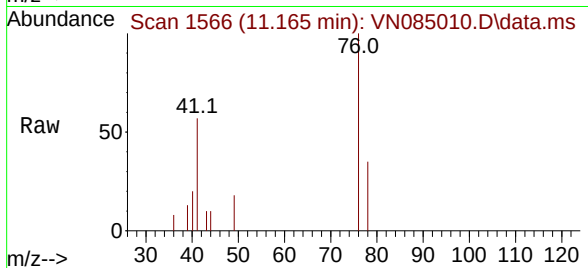
VSTDIC001

Tgt Ion: 76 Resp: 2917

Ion Ratio Lower Upper

76 100

78 31.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 3.651 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085010.D

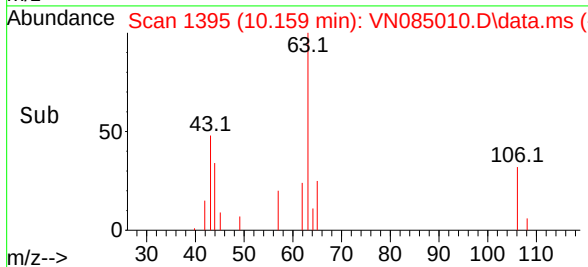
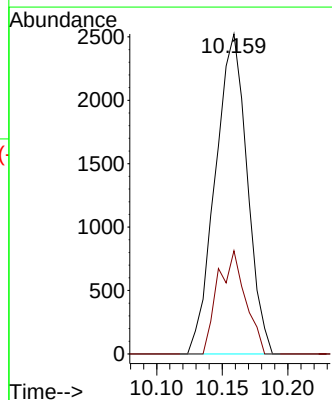
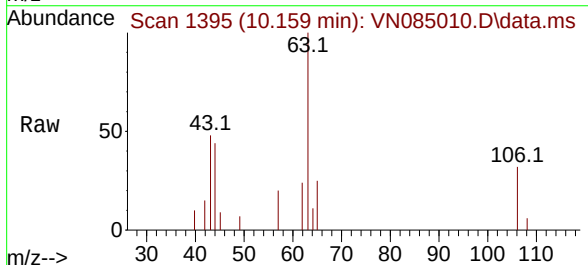
Acq: 22 Nov 2024 13:45

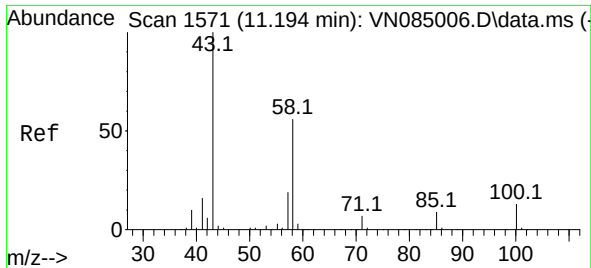
Tgt Ion: 63 Resp: 4254

Ion Ratio Lower Upper

63 100

106 28.0 23.0 34.6

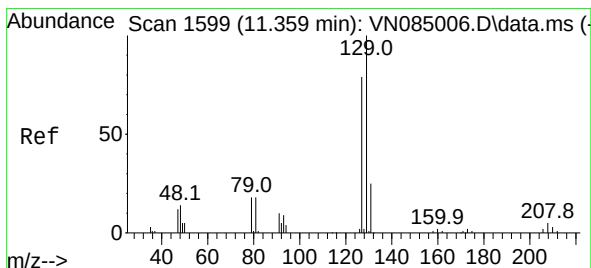
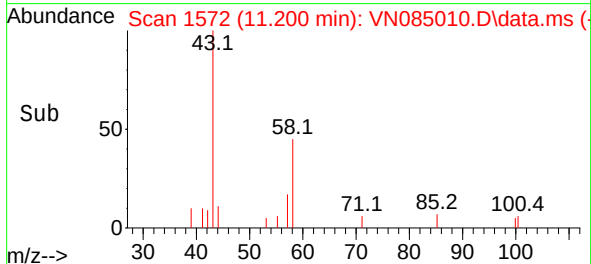
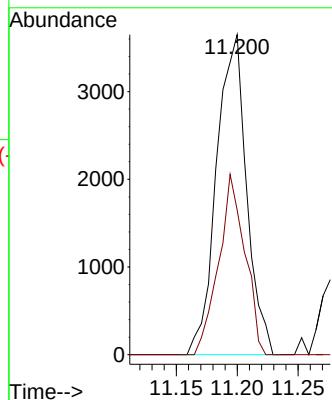
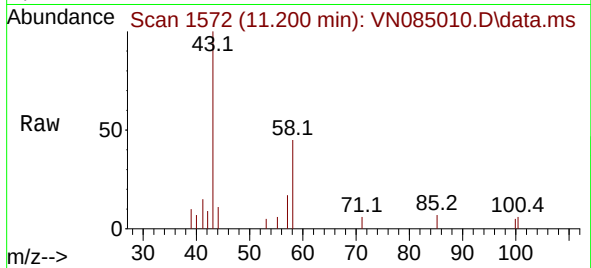




#59
2-Hexanone
Concen: 4.166 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

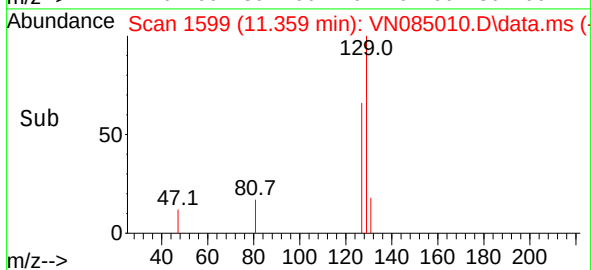
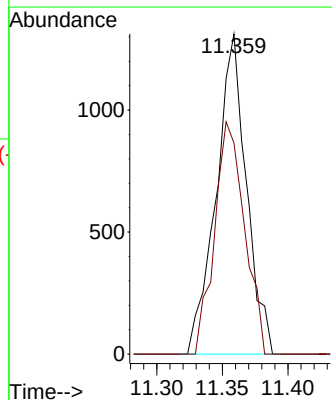
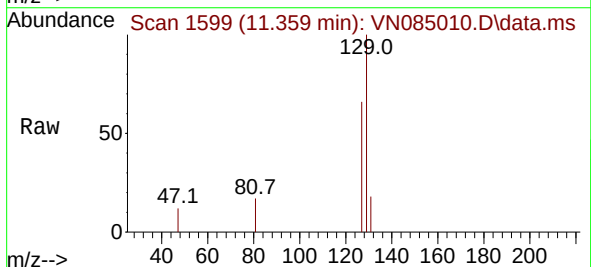
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

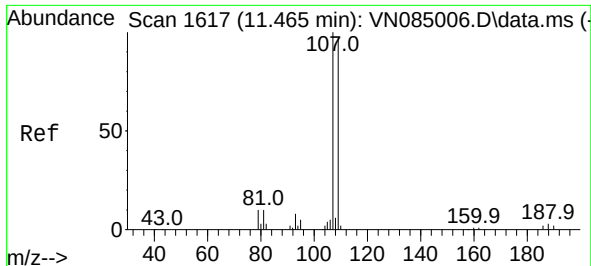
Tgt Ion: 43 Resp: 6264
Ion Ratio Lower Upper
43 100
58 49.4 28.3 85.0



#60
Dibromochloromethane
Concen: 1.057 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 129 Resp: 2099
Ion Ratio Lower Upper
129 100
127 72.0 39.2 117.6

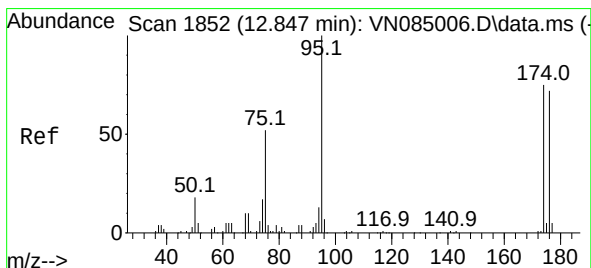
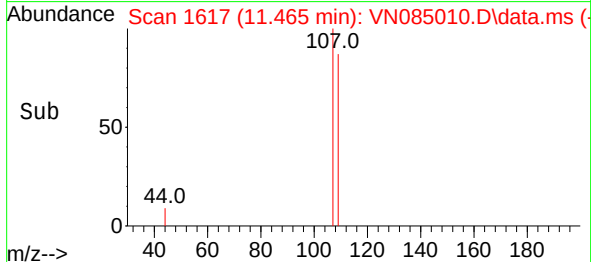
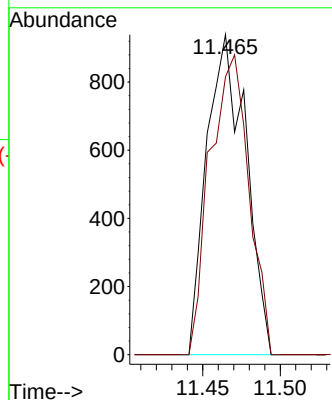
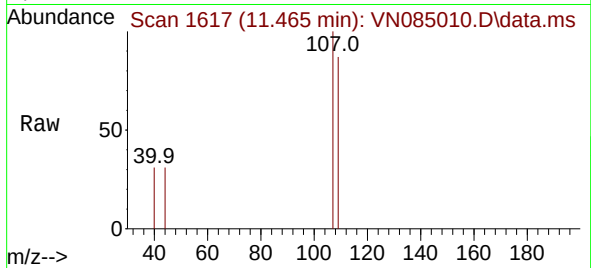




#61
1,2-Dibromoethane
Concen: 0.980 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

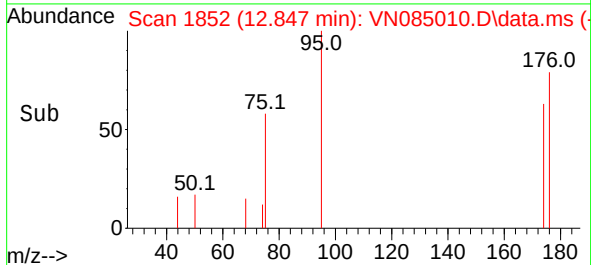
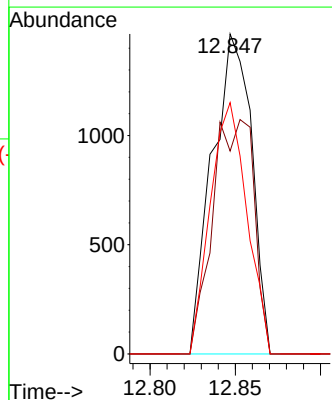
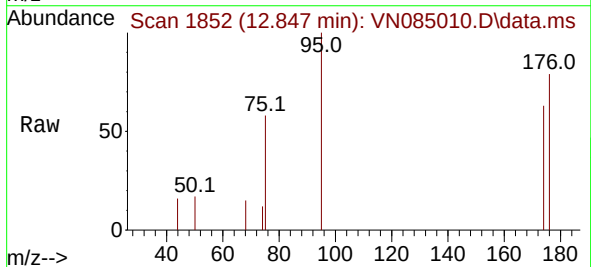
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

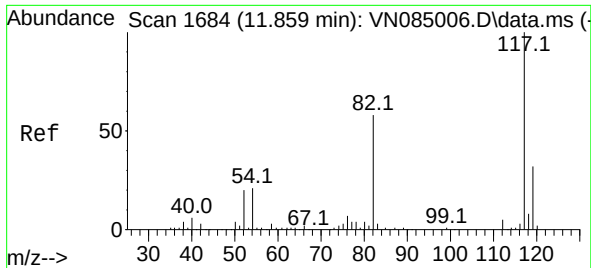
Tgt Ion:107 Resp: 1648
Ion Ratio Lower Upper
107 100
109 93.0 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 1.019 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 95 Resp: 2351
Ion Ratio Lower Upper
95 100
174 77.2 0.0 146.6
176 73.4 0.0 141.8

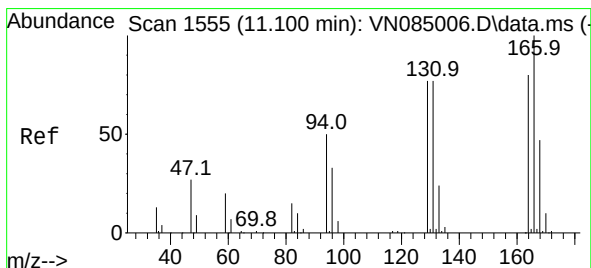
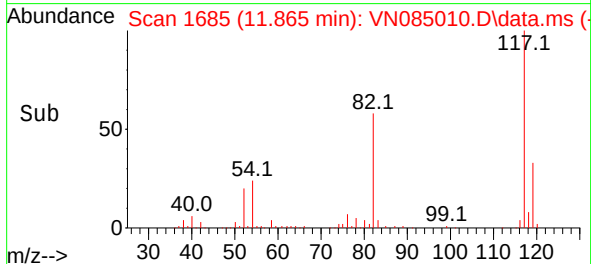
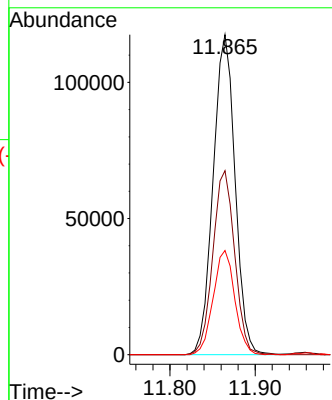
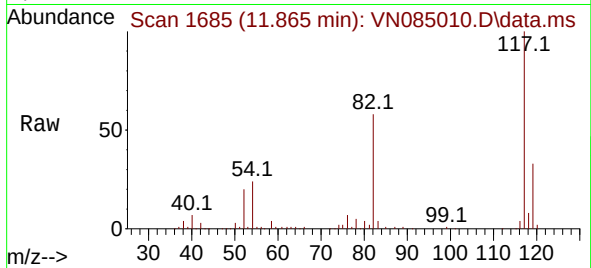




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

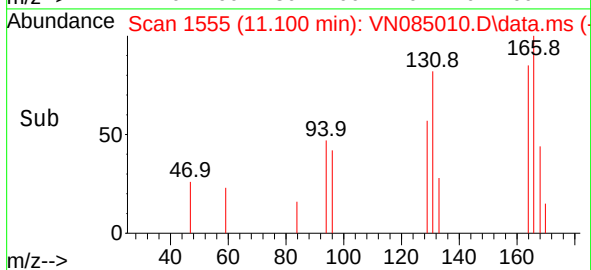
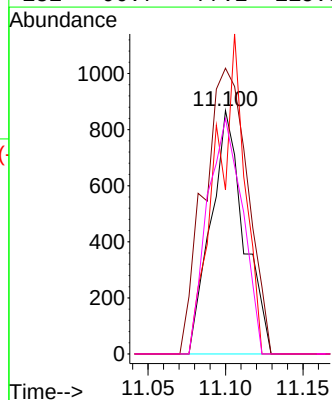
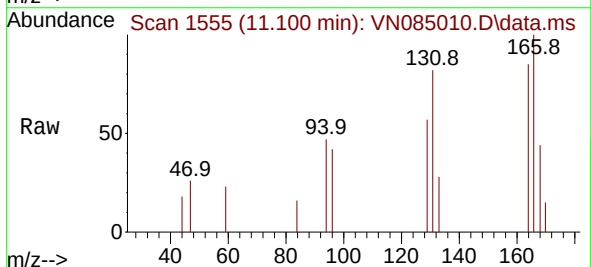
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

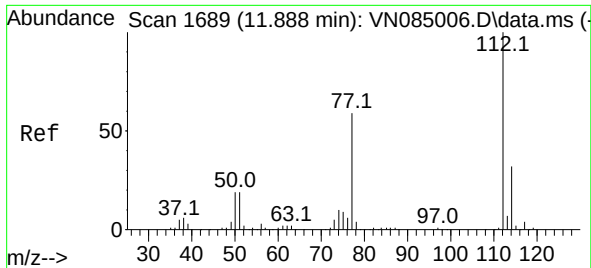
Tgt Ion:117 Resp: 210265
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 0.911 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:164 Resp: 1291
Ion Ratio Lower Upper
164 100
166 117.4 100.6 151.0
129 67.4 77.7 116.5#
131 96.7 77.2 115.8

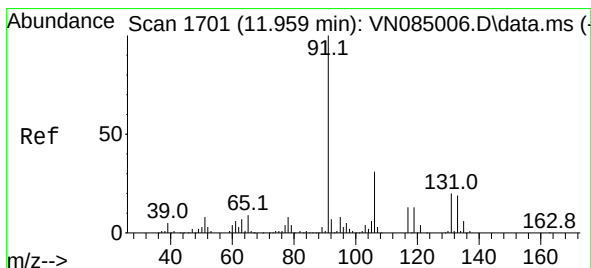
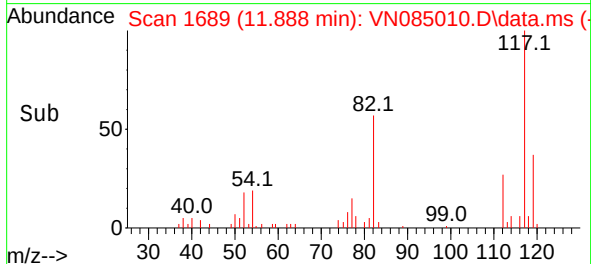
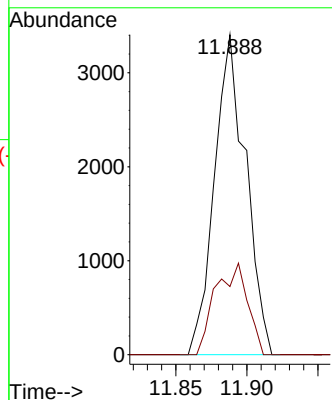
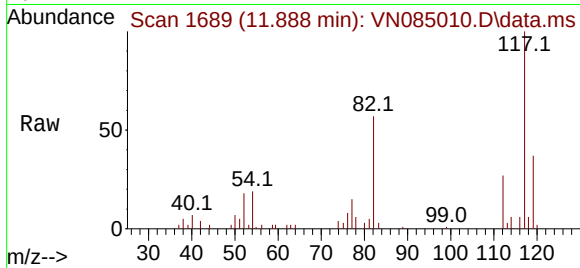




#65
Chlorobenzene
Concen: 1.094 ug/l
RT: 11.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

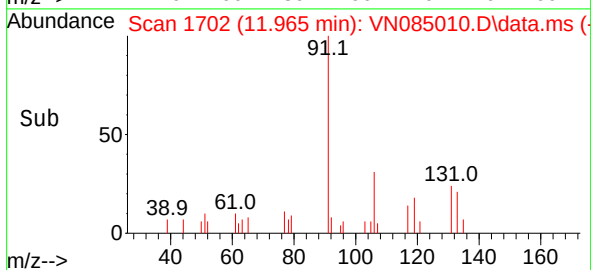
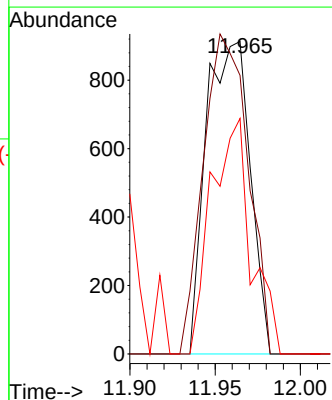
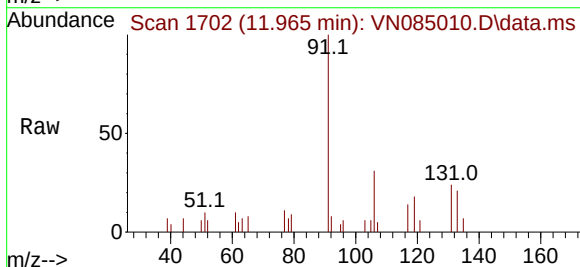
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

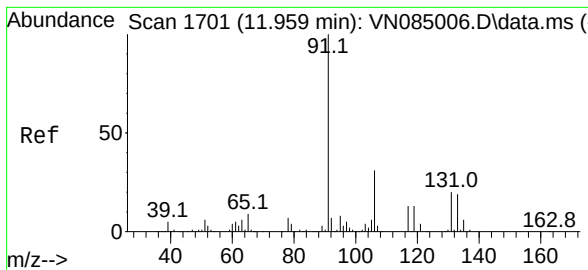
Tgt Ion:112 Resp: 5217
Ion Ratio Lower Upper
112 100
114 21.3 25.8 38.6#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.976 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:131 Resp: 1639
Ion Ratio Lower Upper
131 100
133 104.3 47.8 143.4
119 0.0 32.1 96.3#

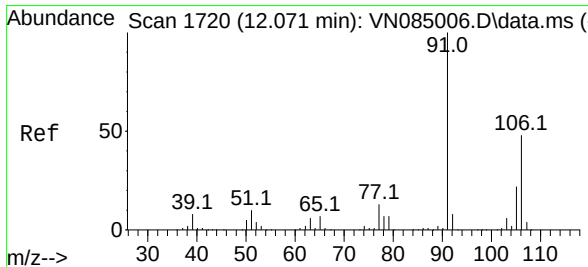
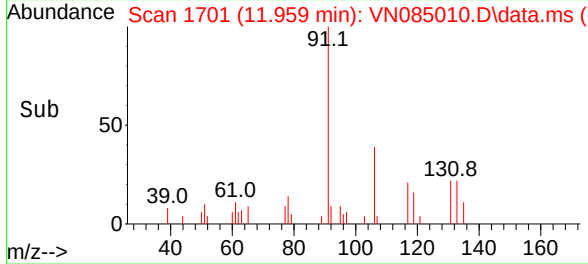
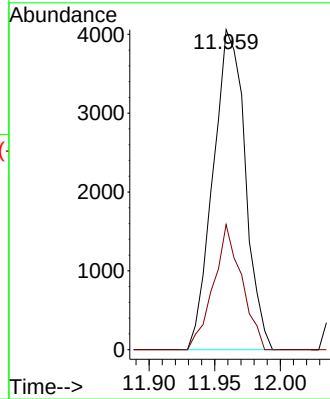
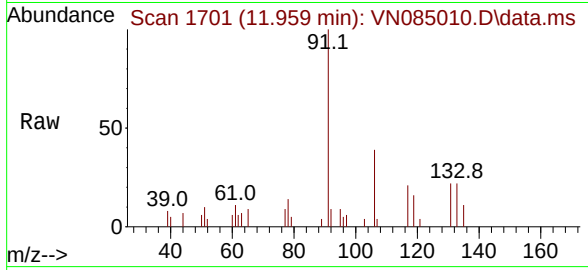




#67
Ethyl Benzene
Concen: 0.894 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

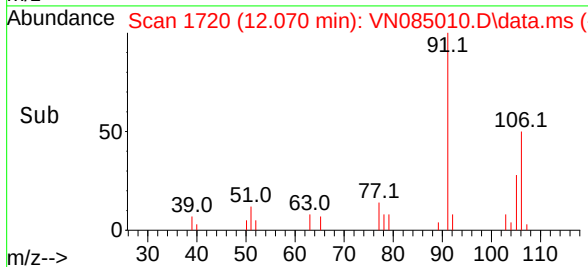
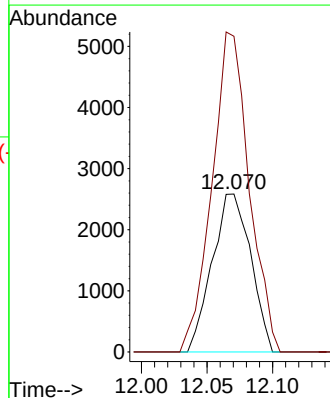
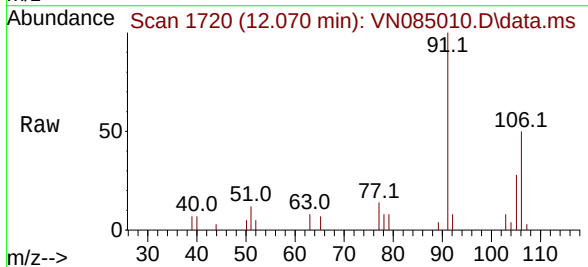
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

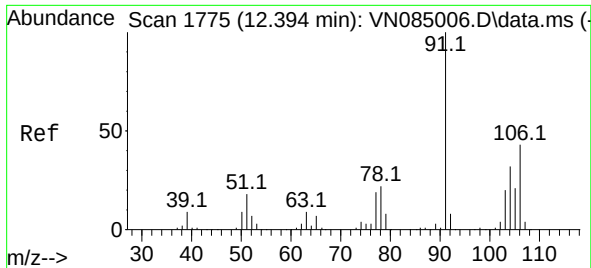
Tgt Ion: 91 Resp: 6914
Ion Ratio Lower Upper
91 100
106 39.1 24.7 37.1#



#68
m/p-Xylenes
Concen: 1.789 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:106 Resp: 5269
Ion Ratio Lower Upper
106 100
91 195.9 168.0 252.0





#69

o-Xylene

Concen: 0.897 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

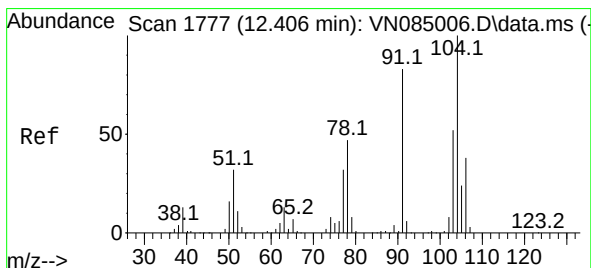
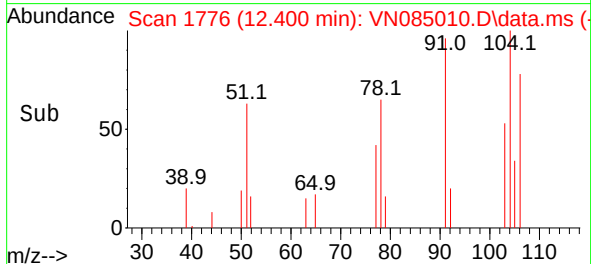
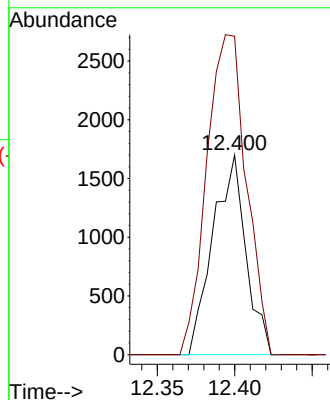
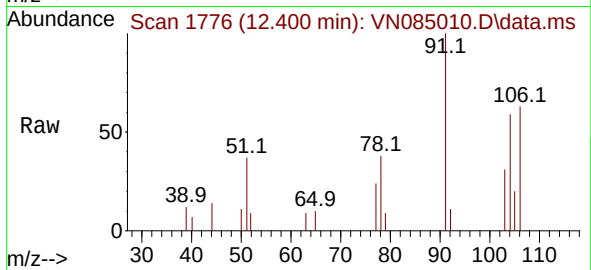
VSTDIC001

Tgt Ion:106 Resp: 2514

Ion Ratio Lower Upper

106 100

91 192.8 110.7 331.9



#70

Styrene

Concen: 0.831 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

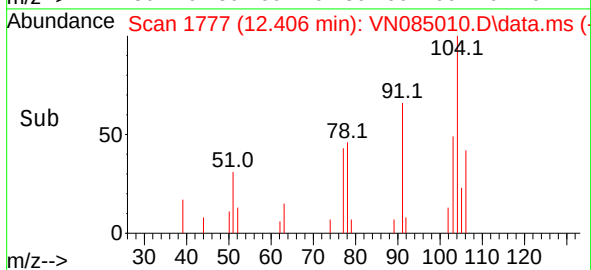
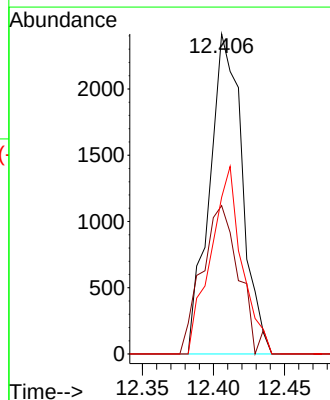
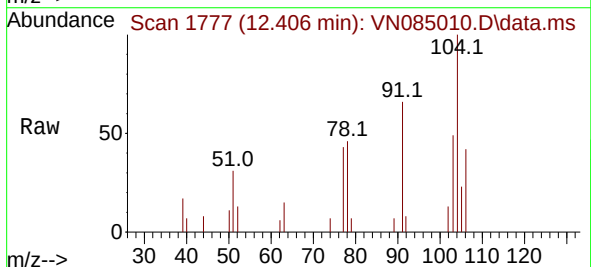
Tgt Ion:104 Resp: 3871

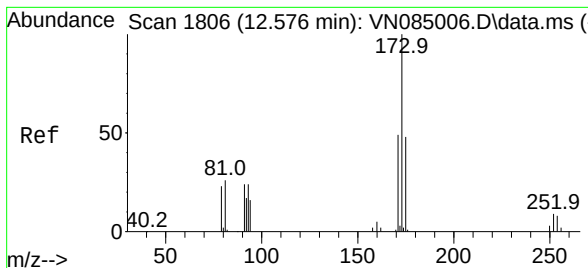
Ion Ratio Lower Upper

104 100

78 52.8 42.3 63.5

103 56.0 44.2 66.2





#71

Bromoform

Concen: 0.975 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

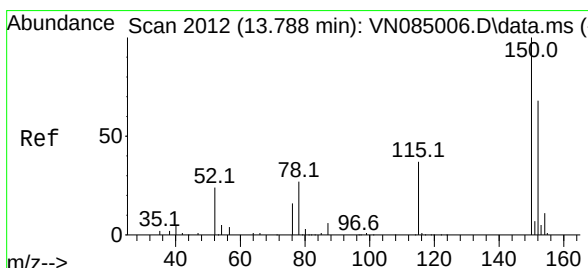
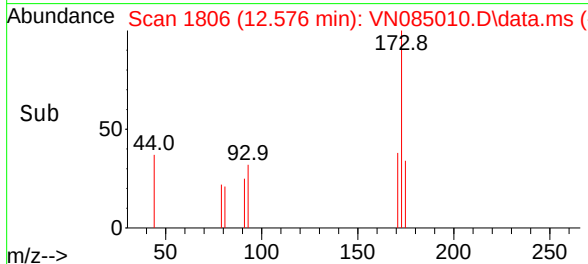
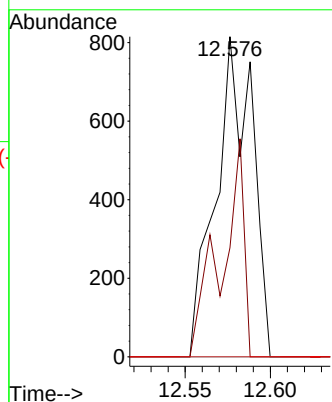
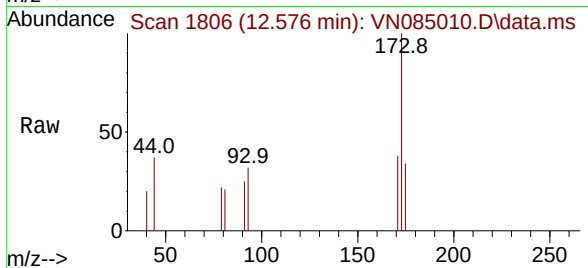
Tgt Ion:173 Resp: 1215

Ion Ratio Lower Upper

173 100

175 42.1 23.8 71.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

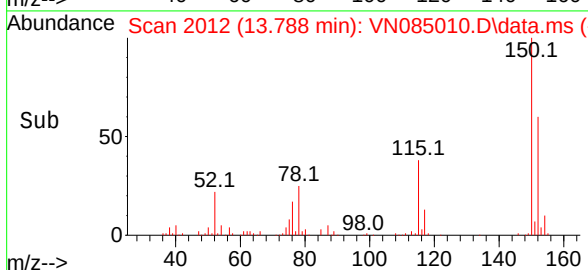
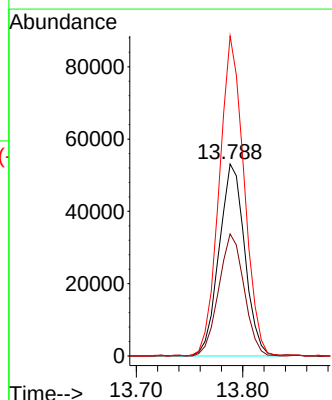
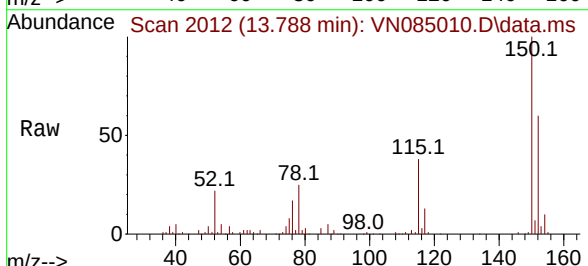
Tgt Ion:152 Resp: 88784

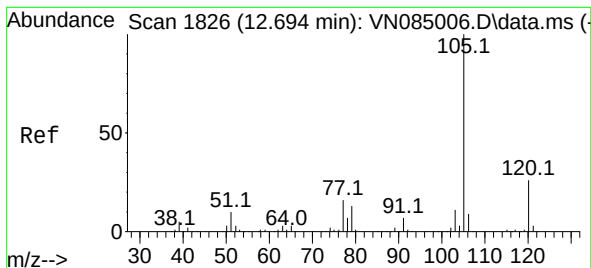
Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 161.6 0.0 351.4





#73

Isopropylbenzene

Concen: 0.900 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

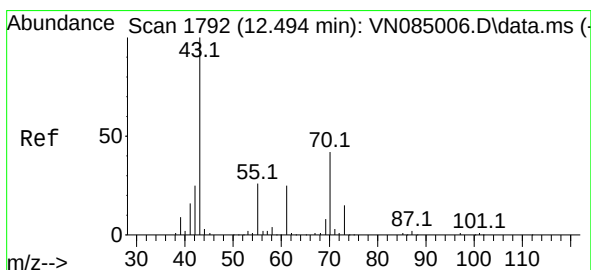
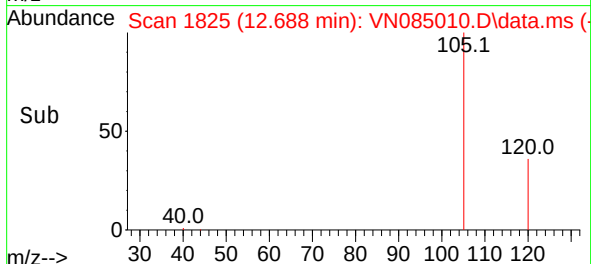
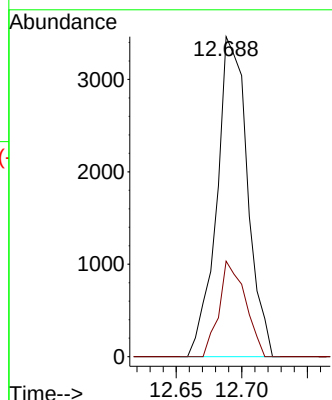
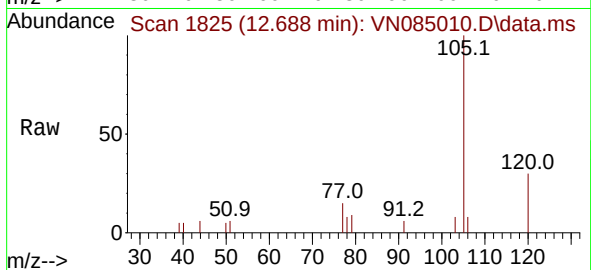
VSTDIC001

Tgt Ion:105 Resp: 5637

Ion Ratio Lower Upper

105 100

120 25.5 13.0 39.0



#74

N-ethyl acetate

Concen: 0.921 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Tgt Ion: 43 Resp: 2377

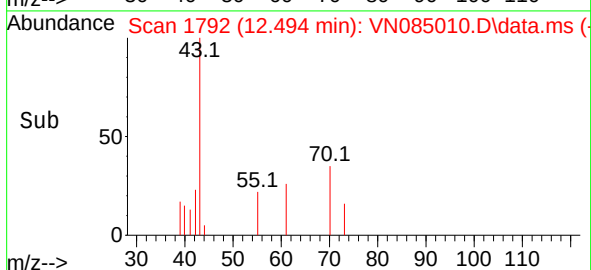
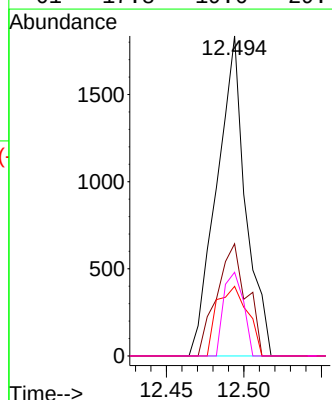
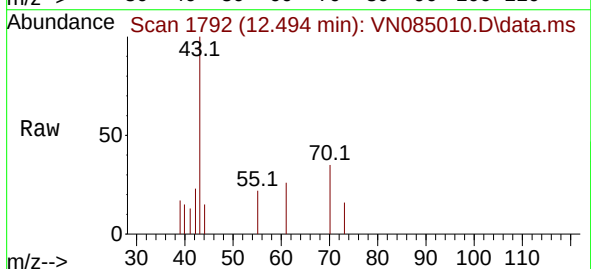
Ion Ratio Lower Upper

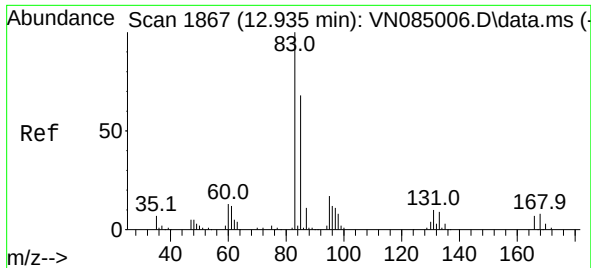
43 100

70 36.0 34.6 51.8

55 23.1 20.5 30.7

61 17.8 19.6 29.4#

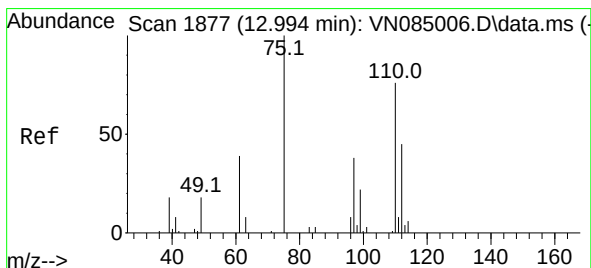
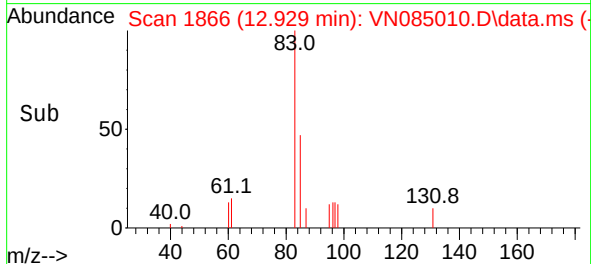
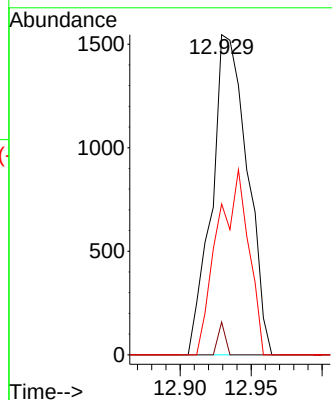
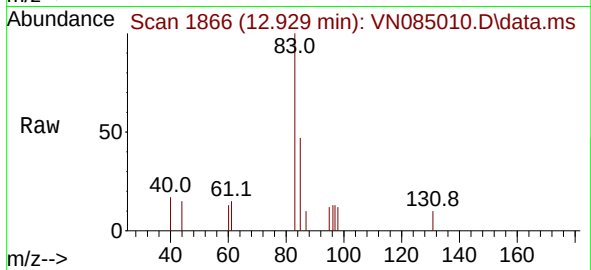




#75
1,1,2,2-Tetrachloroethane
Concen: 1.260 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

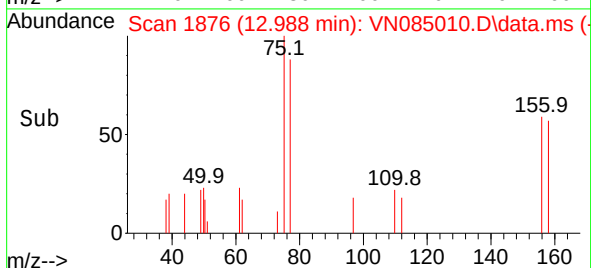
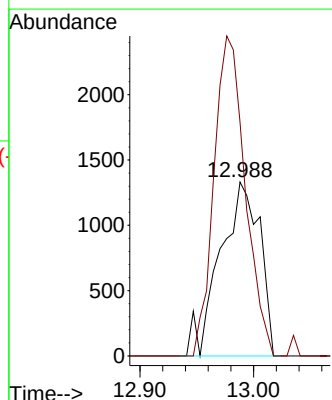
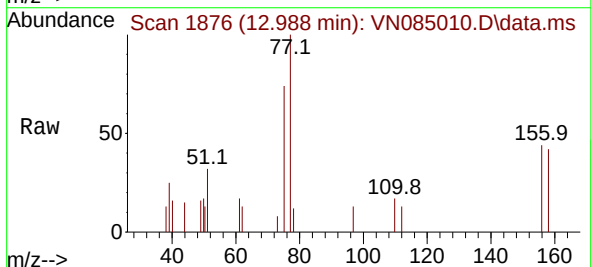
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

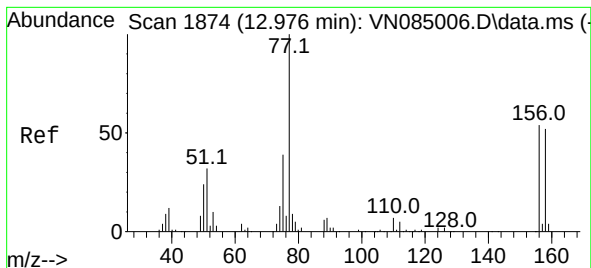
Tgt Ion: 83 Resp: 2694
Ion Ratio Lower Upper
83 100
131 2.1 5.1 15.4#
85 50.6 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 1.946 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 75 Resp: 3232
Ion Ratio Lower Upper
75 100
77 144.6 109.1 327.4





#77

Bromobenzene

Concen: 1.129 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

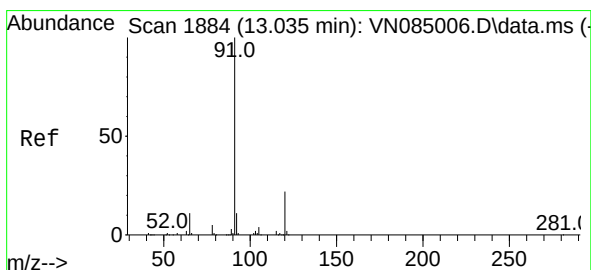
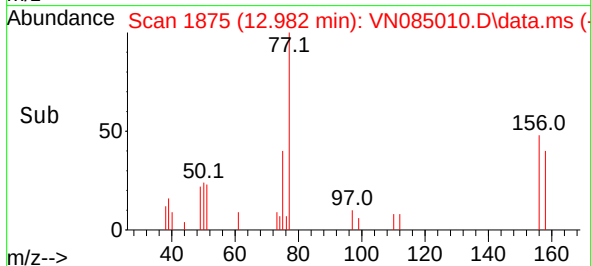
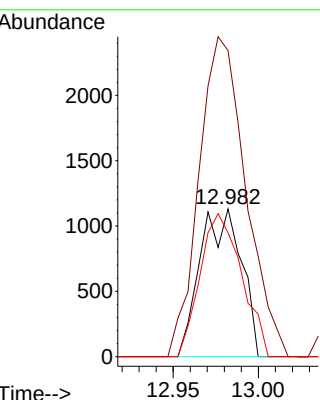
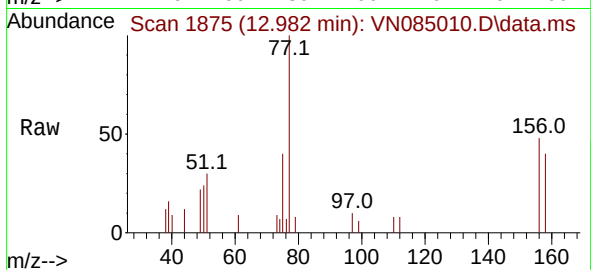
Tgt Ion:156 Resp: 1903

Ion Ratio Lower Upper

156 100

77 245.7 107.2 321.6

158 97.5 48.5 145.6



#78

n-propylbenzene

Concen: 0.869 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN085010.D

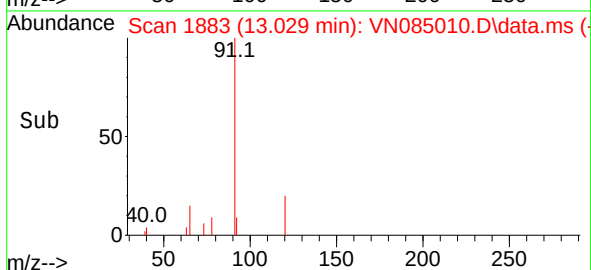
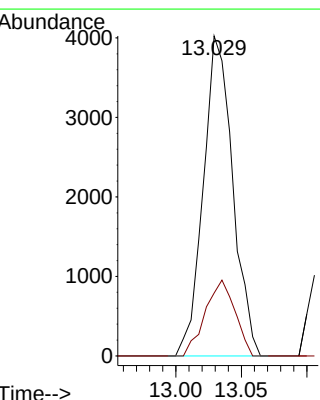
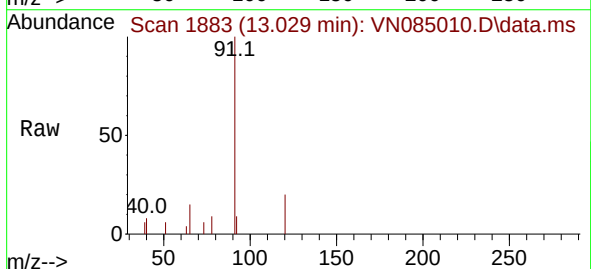
Acq: 22 Nov 2024 13:45

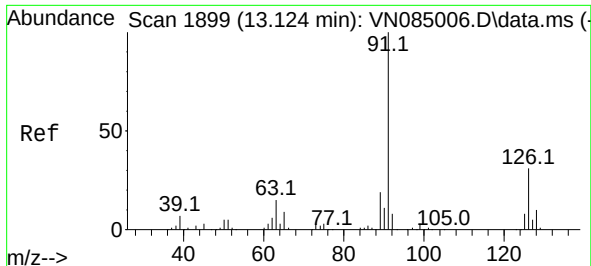
Tgt Ion: 91 Resp: 6275

Ion Ratio Lower Upper

91 100

120 24.0 11.3 33.9





#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

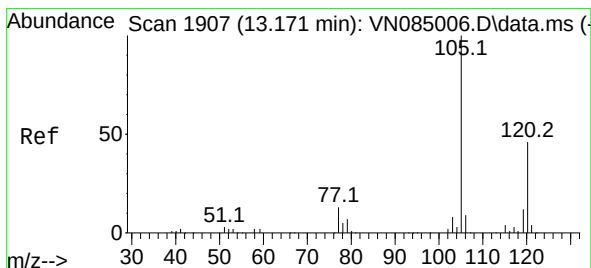
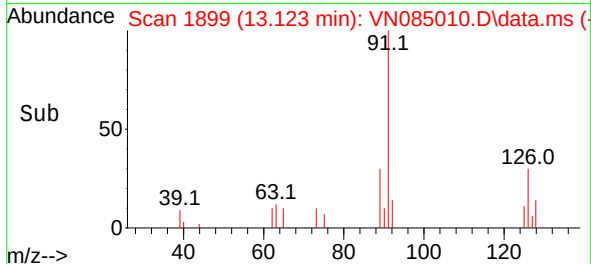
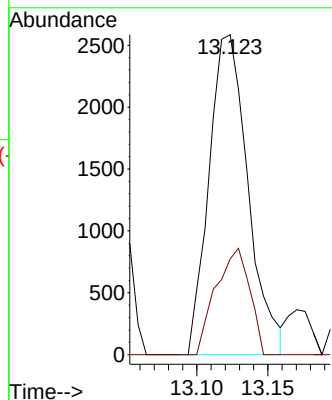
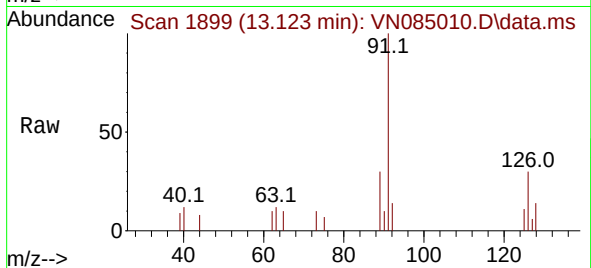
VSTDIC001

Tgt Ion: 91 Resp: 4935

Ion Ratio Lower Upper

91 100

126 28.8 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 0.851 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085010.D

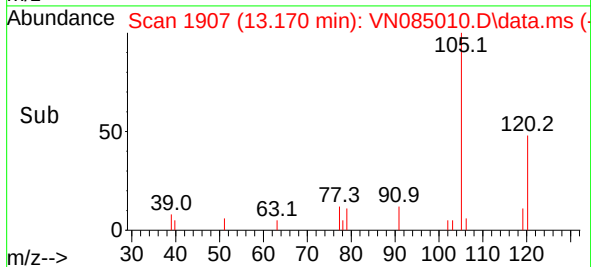
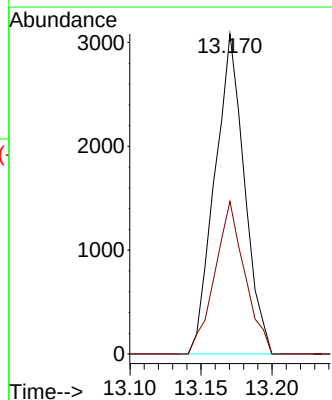
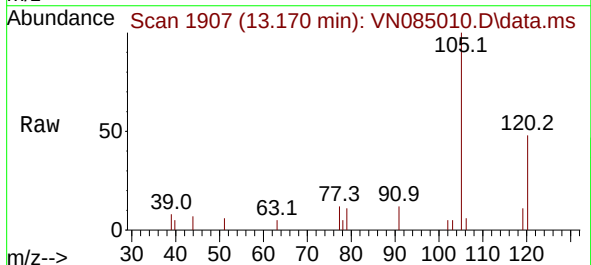
Acq: 22 Nov 2024 13:45

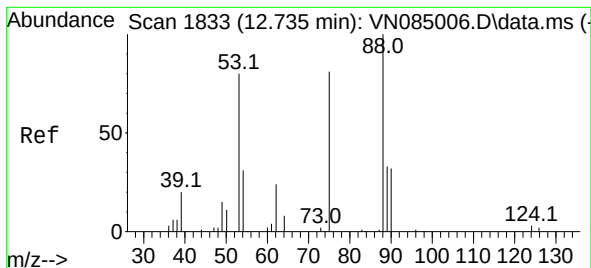
Tgt Ion:105 Resp: 4473

Ion Ratio Lower Upper

105 100

120 48.3 23.6 71.0

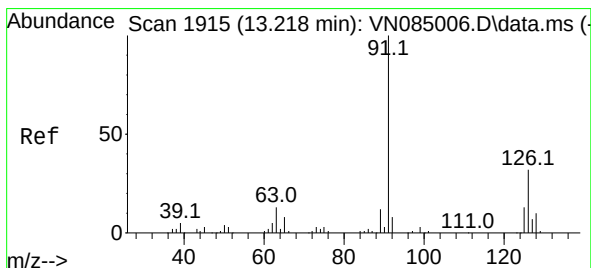
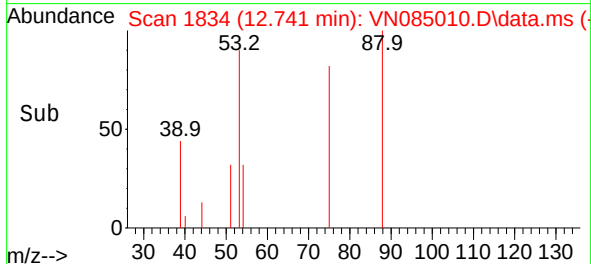
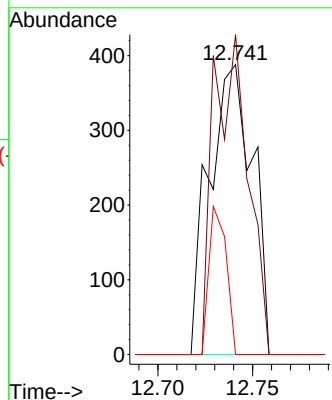
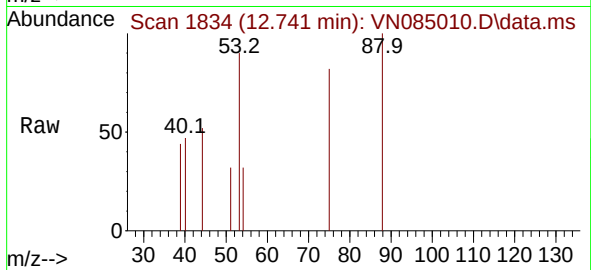




#81
trans-1,4-Dichloro-2-butene
Concen: 0.871 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

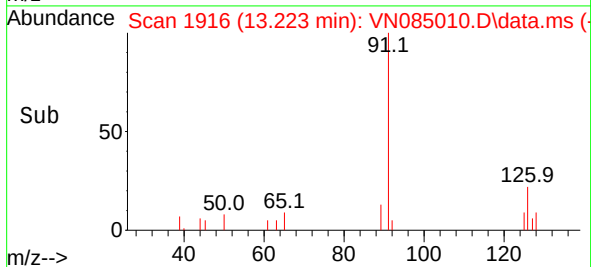
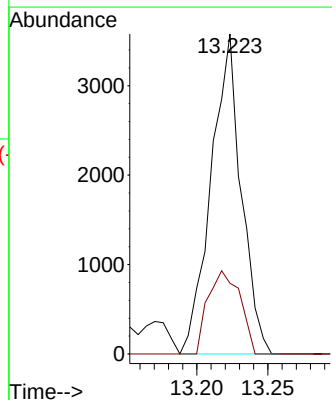
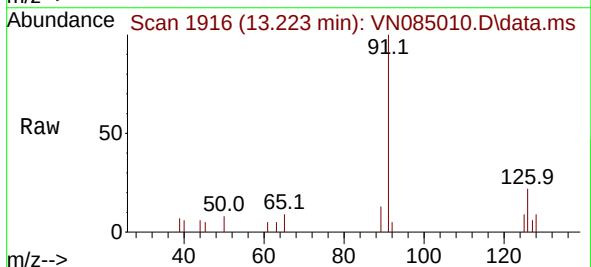
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

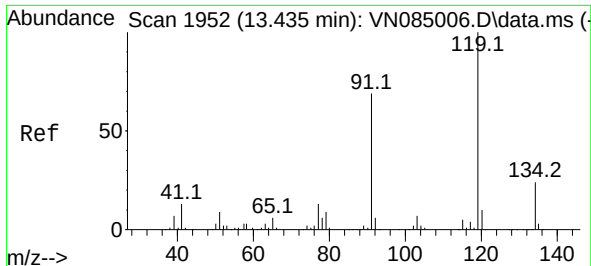
Tgt Ion: 75 Resp: 619
Ion Ratio Lower Upper
75 100
53 86.9 78.2 117.4
89 20.4 37.9 56.9#



#82
4-Chlorotoluene
Concen: 1.053 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion: 91 Resp: 5286
Ion Ratio Lower Upper
91 100
126 27.6 16.1 48.3





#83

tert-Butylbenzene

Concen: 0.963 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

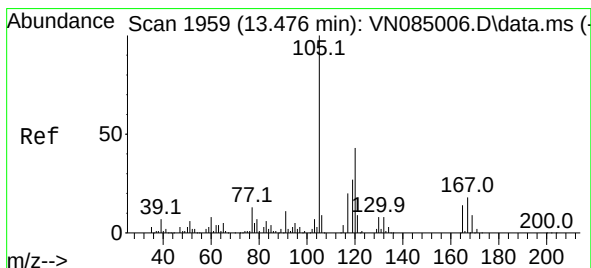
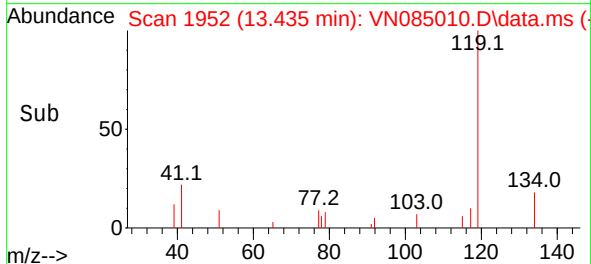
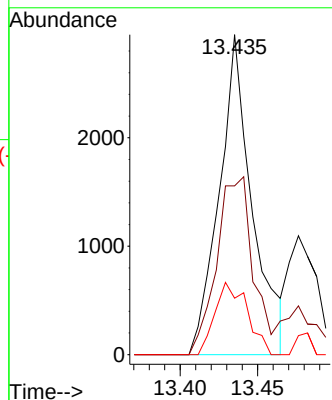
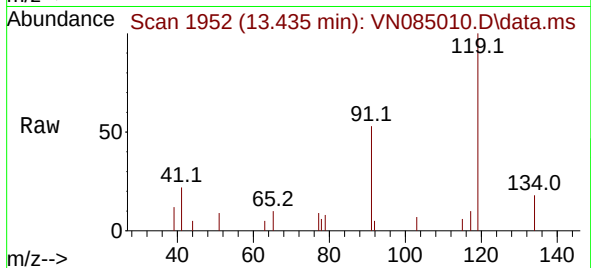
Tgt Ion:119 Resp: 4357

Ion Ratio Lower Upper

119 100

91 61.2 35.1 105.5

134 22.2 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 0.888 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085010.D

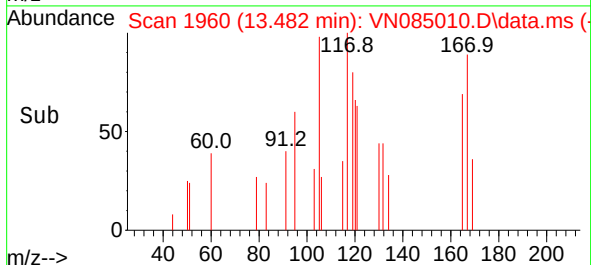
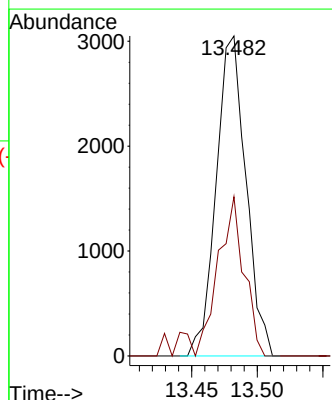
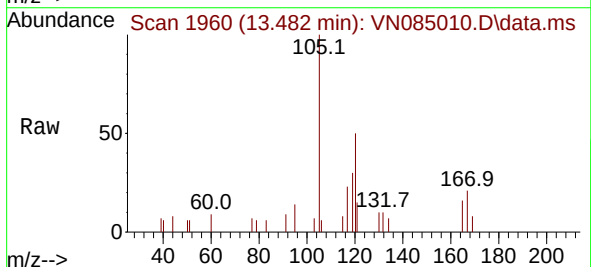
Acq: 22 Nov 2024 13:45

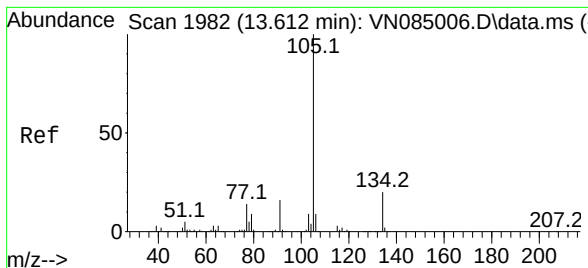
Tgt Ion:105 Resp: 4802

Ion Ratio Lower Upper

105 100

120 43.4 21.8 65.4

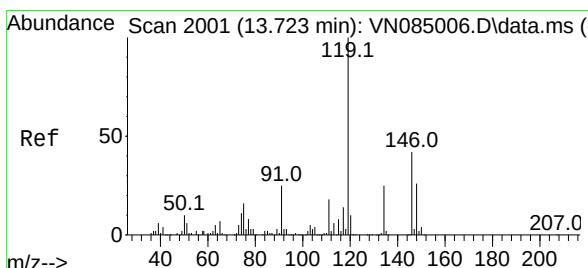
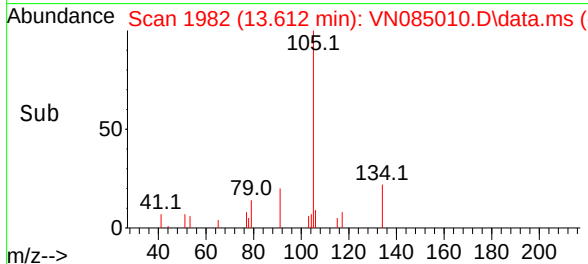
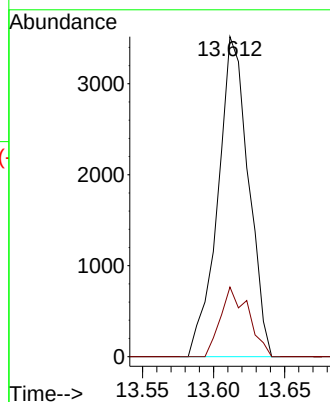
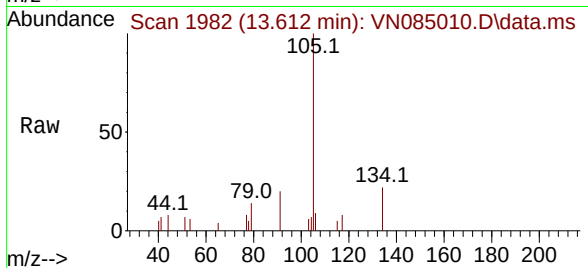




#85
 sec-Butylbenzene
 Concen: 0.865 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

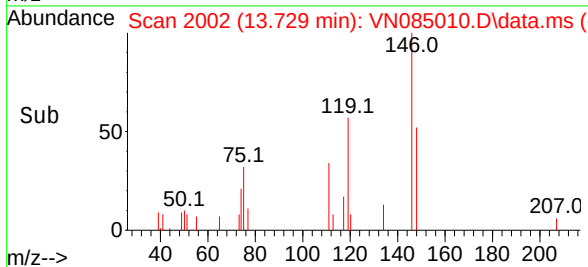
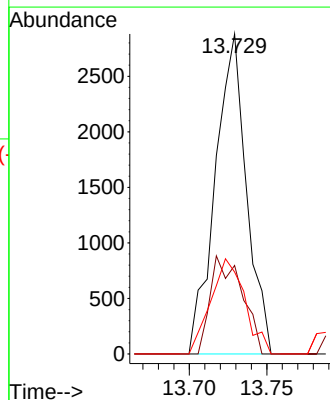
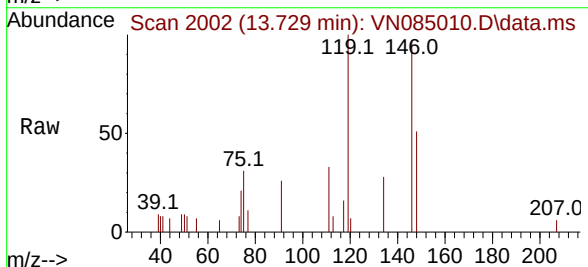
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

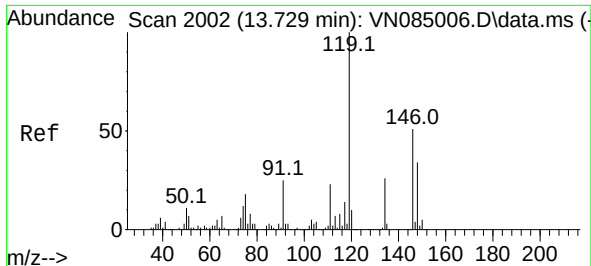
Tgt Ion:105 Resp: 5284
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.803 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085010.D
 Acq: 22 Nov 2024 13:45

Tgt Ion:119 Resp: 4047
 Ion Ratio Lower Upper
 119 100
 134 31.1 13.0 39.0
 91 32.5 12.8 38.4





#87

1,3-Dichlorobenzene

Concen: 1.243 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

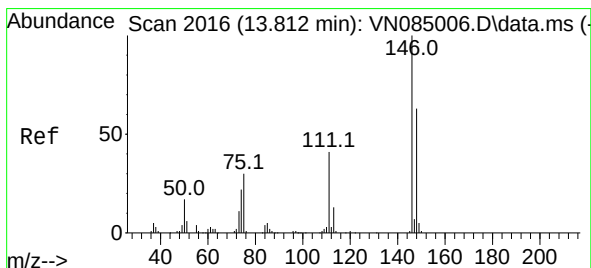
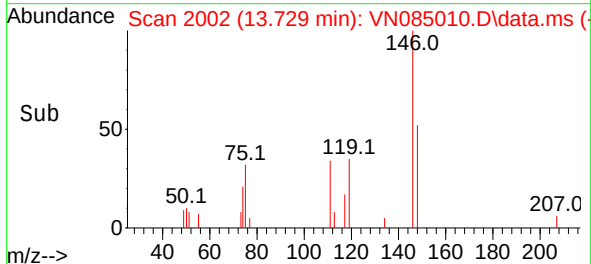
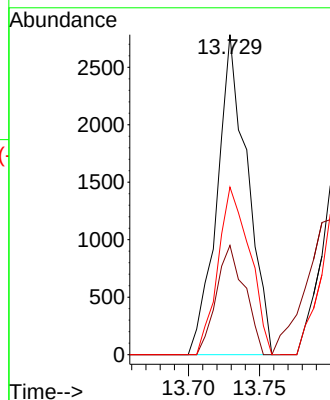
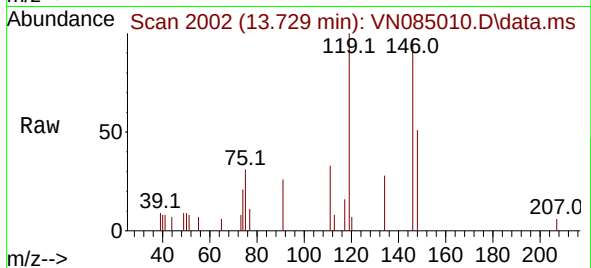
Tgt Ion:146 Resp: 4131

Ion Ratio Lower Upper

146 100

111 32.0 21.6 65.0

148 54.9 32.2 96.6



#88

1,4-Dichlorobenzene

Concen: 1.218 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.083 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

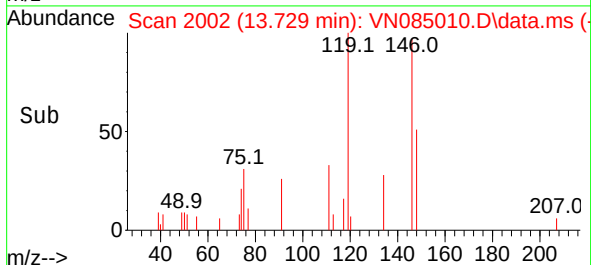
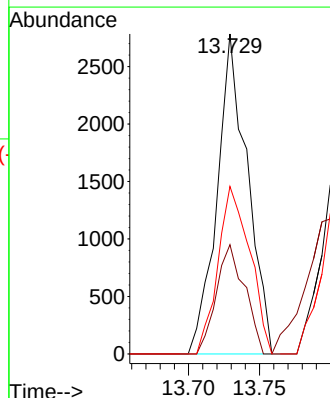
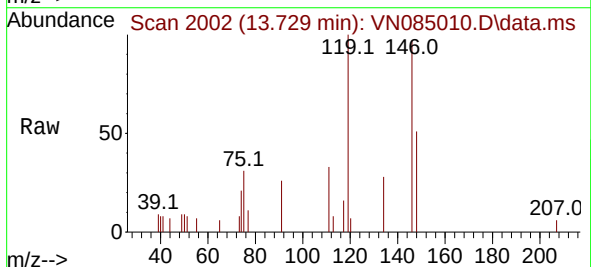
Tgt Ion:146 Resp: 4131

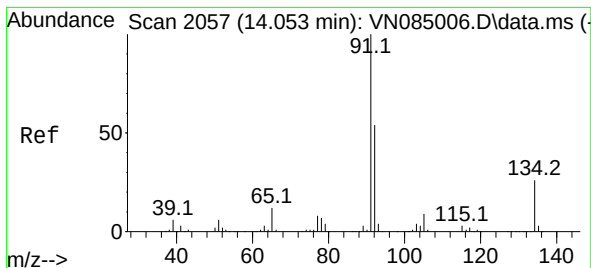
Ion Ratio Lower Upper

146 100

111 32.0 20.9 62.8

148 54.9 31.3 93.9

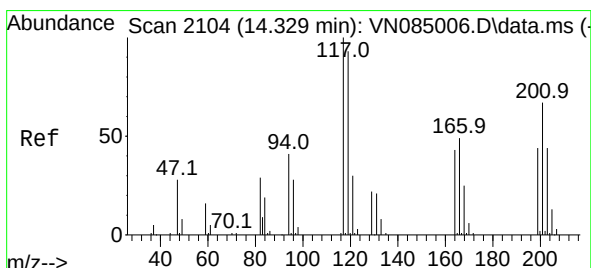
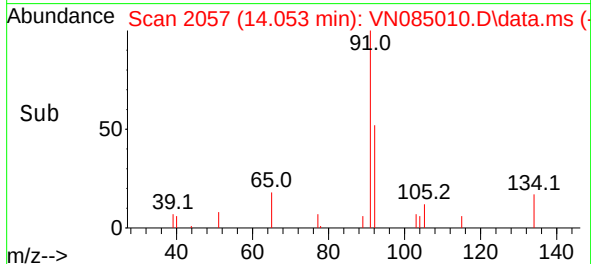
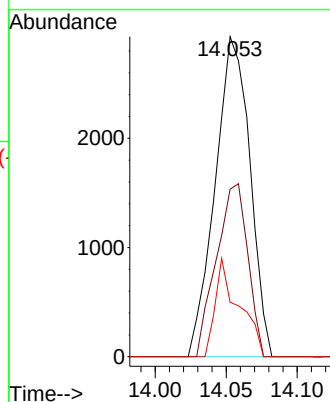
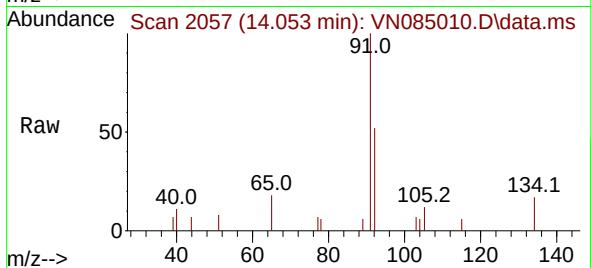




#89
n-Butylbenzene
Concen: 1.062 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

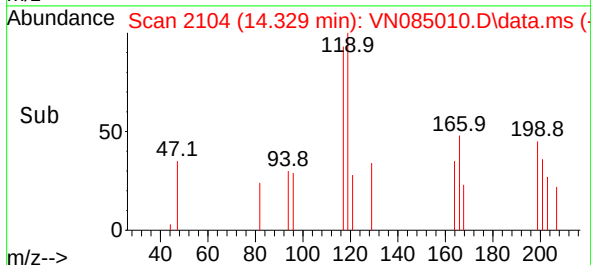
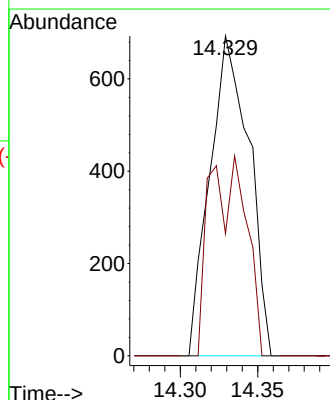
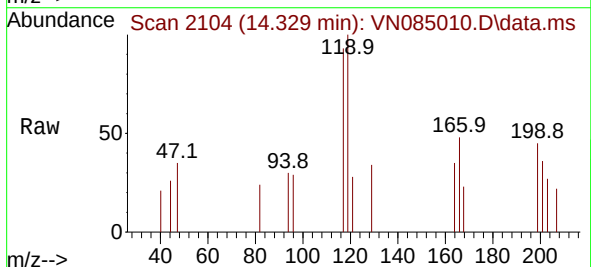
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

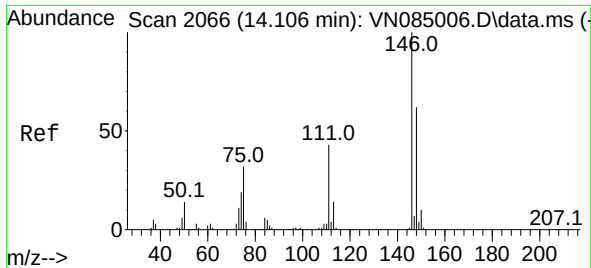
Tgt Ion:	91	Resp:	4981
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.8	80.3
134	20.8	12.8	38.4



#90
Hexachloroethane
Concen: 1.107 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:	117	Resp:	1217
Ion	Ratio	Lower	Upper
117	100		
201	30.8	35.2	105.6#





#91

1,2-Dichlorobenzene

Concen: 1.202 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

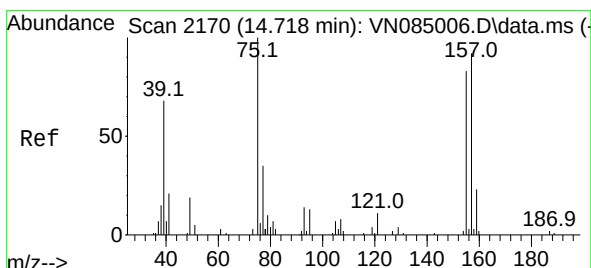
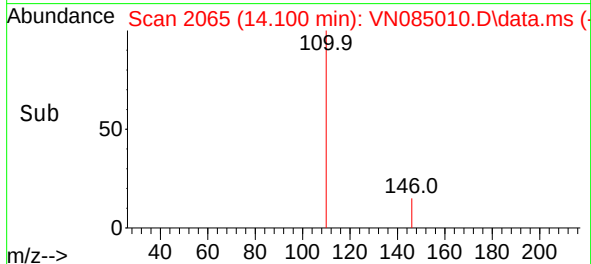
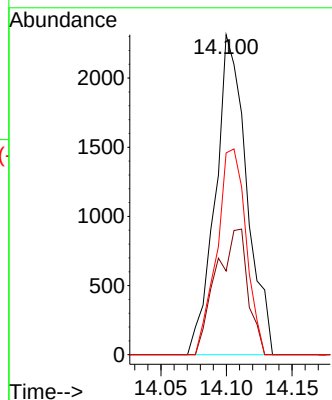
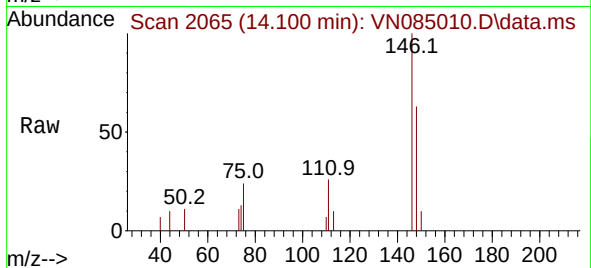
Tgt Ion:146 Resp: 3830

Ion Ratio Lower Upper

146 100

111 40.0 21.9 65.8

148 60.1 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.136 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

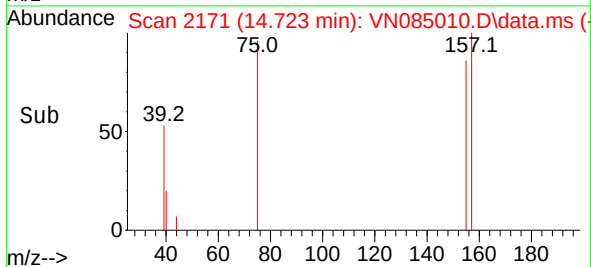
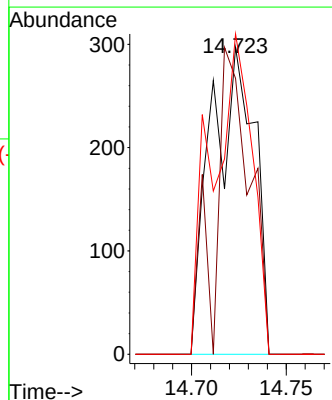
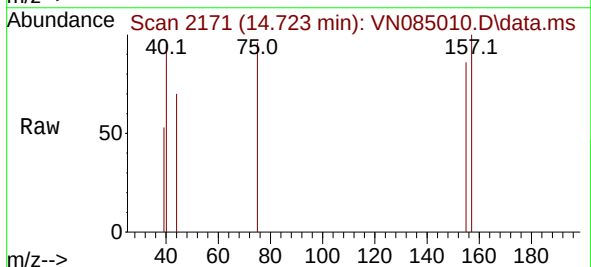
Tgt Ion: 75 Resp: 470

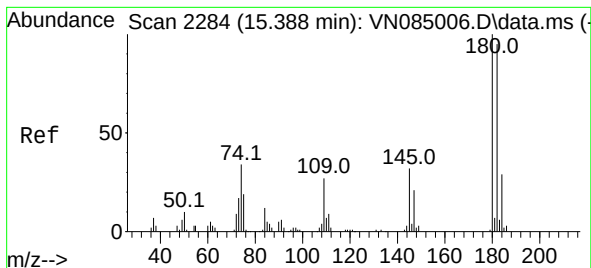
Ion Ratio Lower Upper

75 100

155 80.4 38.9 116.7

157 96.2 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 1.209 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

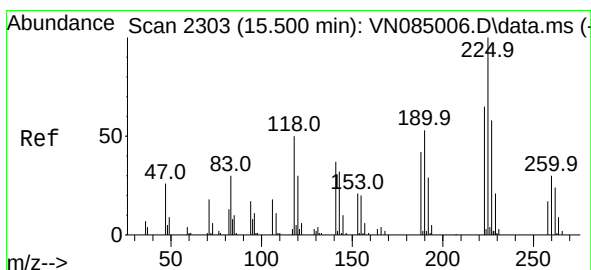
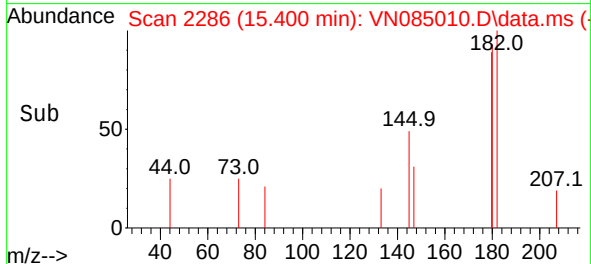
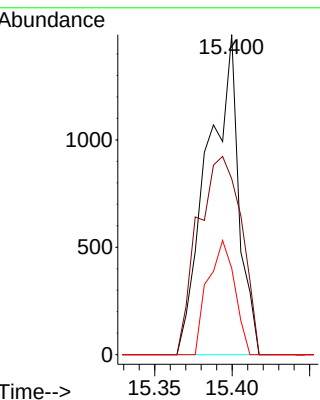
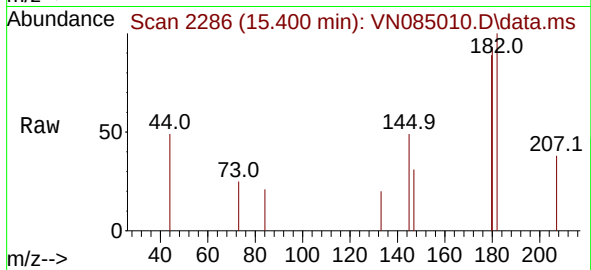
Tgt Ion:180 Resp: 2092

Ion Ratio Lower Upper

180 100

182 86.2 46.9 140.8

145 30.5 16.3 48.8



#94

Hexachlorobutadiene

Concen: 1.236 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085010.D

Acq: 22 Nov 2024 13:45

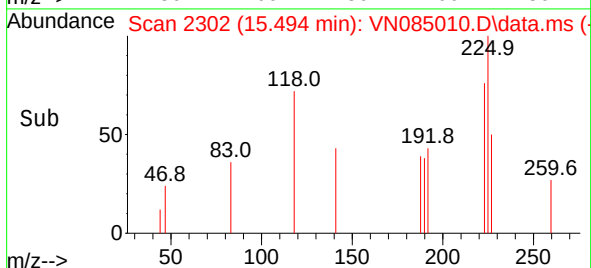
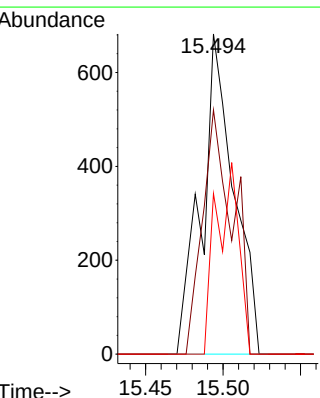
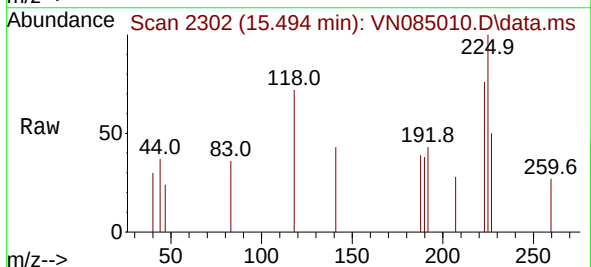
Tgt Ion:225 Resp: 987

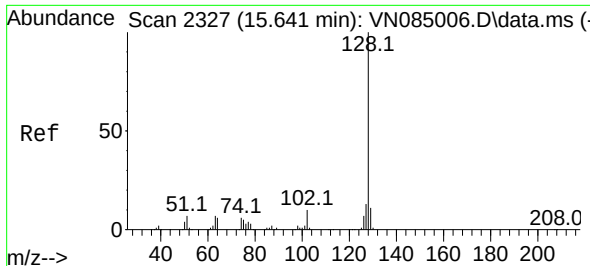
Ion Ratio Lower Upper

225 100

223 71.1 30.9 92.8

227 42.1 31.5 94.5

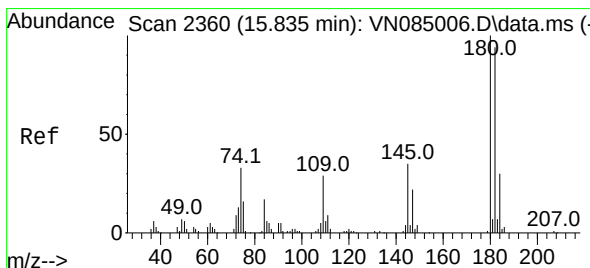
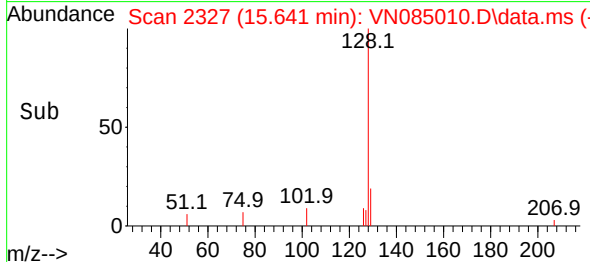
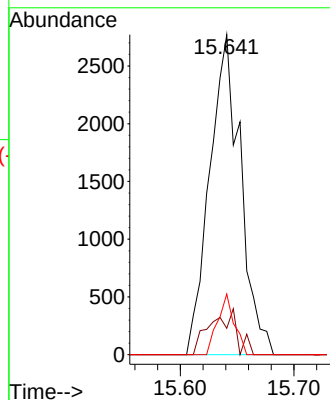
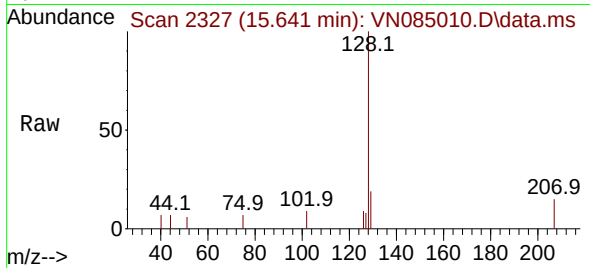




#95
Naphthalene
Concen: 1.063 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

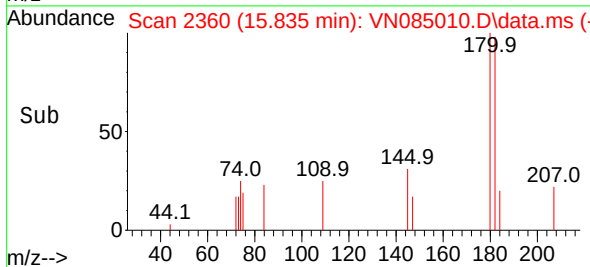
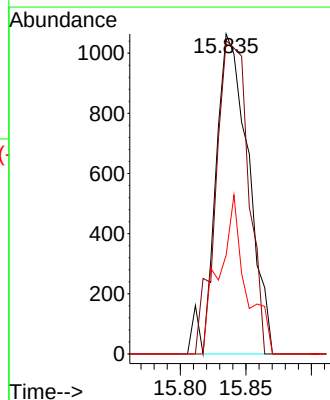
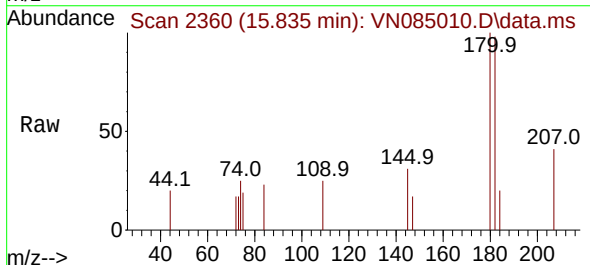
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:128	Resp:	5242
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.6 16.0
129	10.2	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.120 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085010.D
Acq: 22 Nov 2024 13:45

Tgt Ion:180	Resp:	1849
Ion Ratio	Lower	Upper
180	100	
182	97.3	46.4 139.2
145	40.6	17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.140%	
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.140%	
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.980%	
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.560%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l	98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l	100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l	99
44) Trichloroethene	9.347	130	93086	47.205	ug/l	98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l	95
46) Dibromomethane	9.706	93	69575	47.909	ug/l	99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l	97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l	97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l	100
52) Toluene	10.629	92	249568	49.682	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l	99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l	98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l	99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l	100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l	99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l	96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l	97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l	98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l	96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l	99
69) o-Xylene	12.394	106	173028	51.086	ug/l	98
70) Styrene	12.406	104	296759	52.687	ug/l	99
71) Bromoform	12.576	173	73244	48.617	ug/l #	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l	100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	172673	73.722	ug/l	48
77) Bromobenzene	12.976	156	108566	44.410	ug/l	99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l	98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l	98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l	99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l	99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l	99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l	97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l	100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l	99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l	99
95) Naphthalene	15.641	128	329352	46.067	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

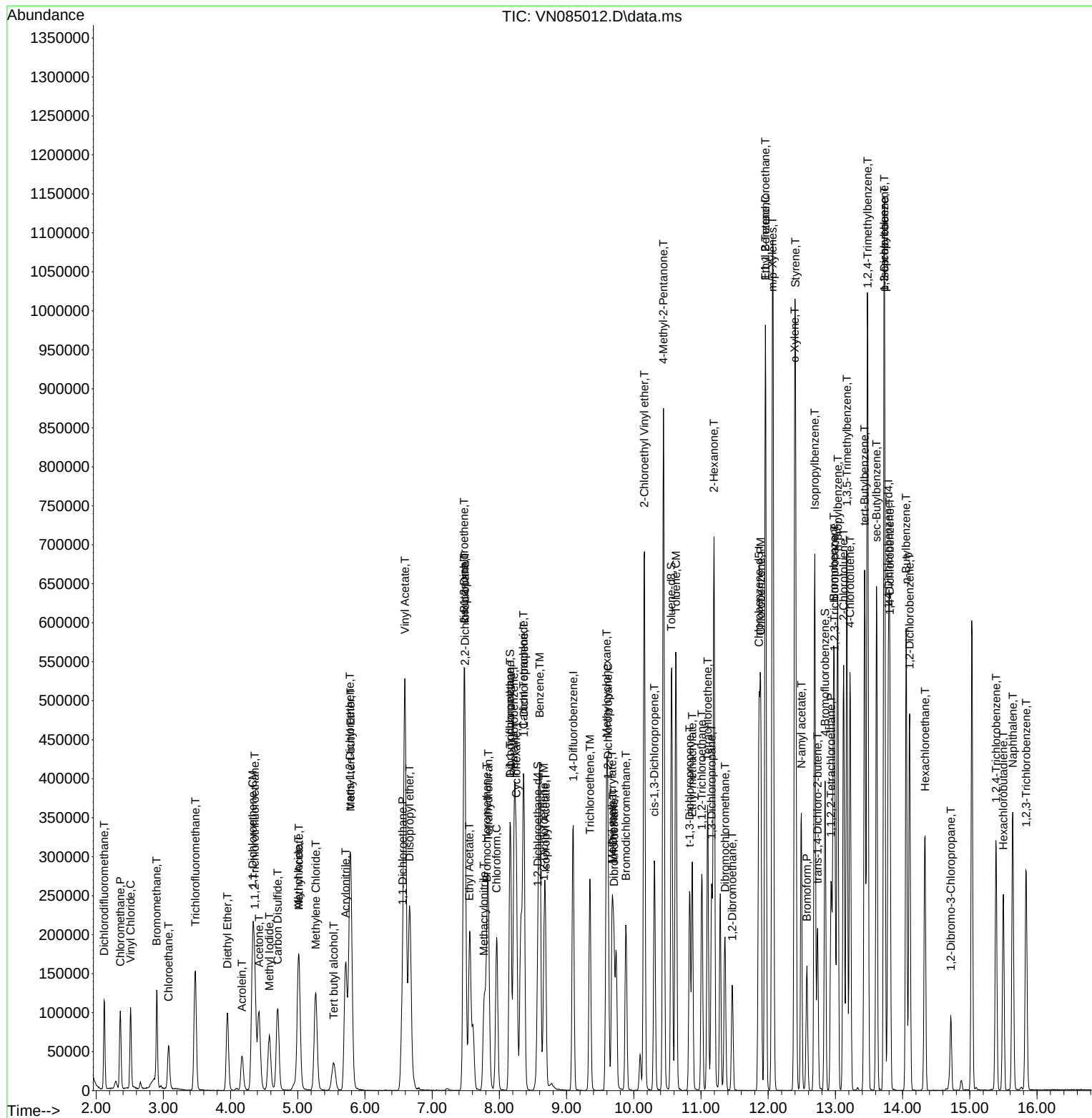
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

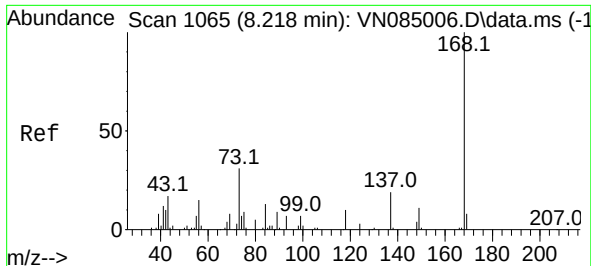
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

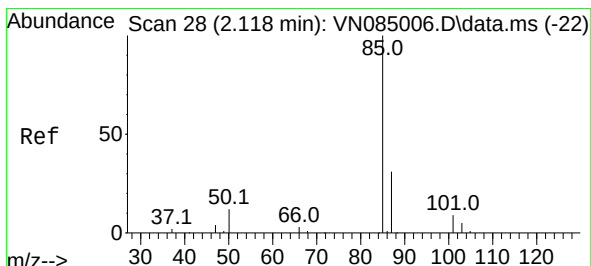
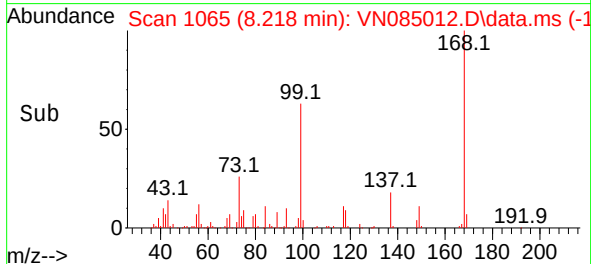
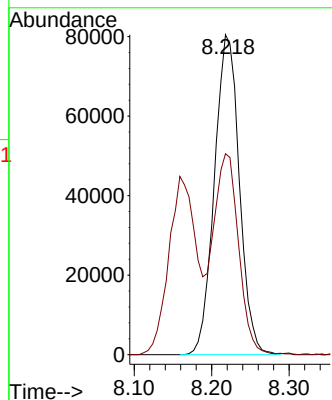
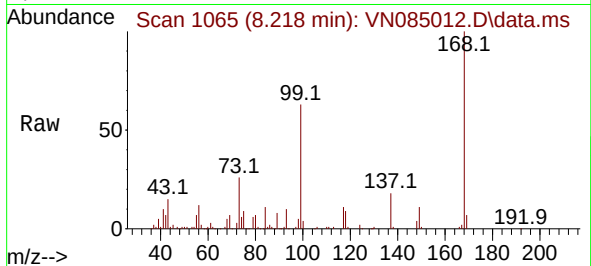




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

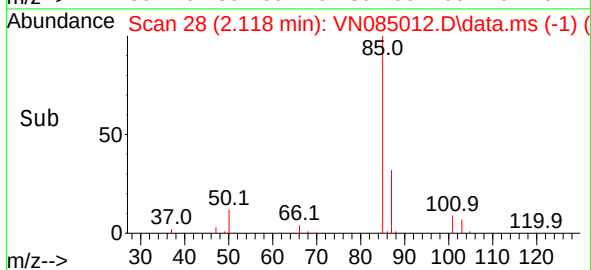
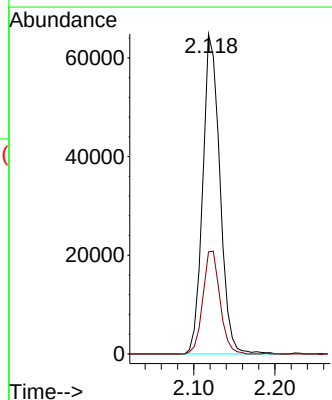
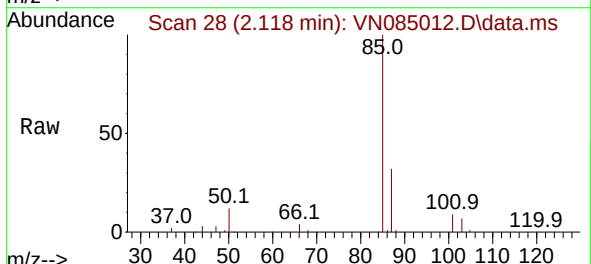
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

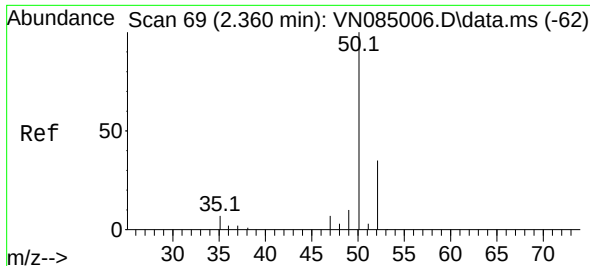
Tgt Ion:168 Resp: 180278
Ion Ratio Lower Upper
168 100
99 62.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 46.612 ug/l
RT: 2.118 min Scan# 28
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 85 Resp: 95019
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.1

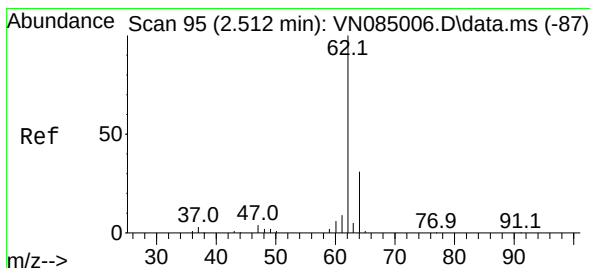
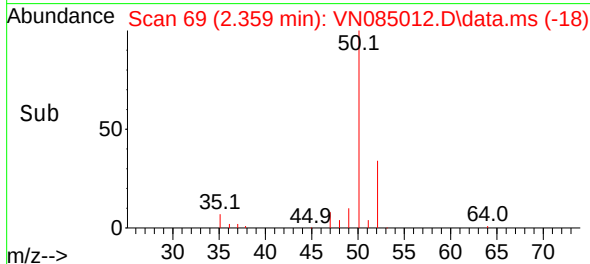
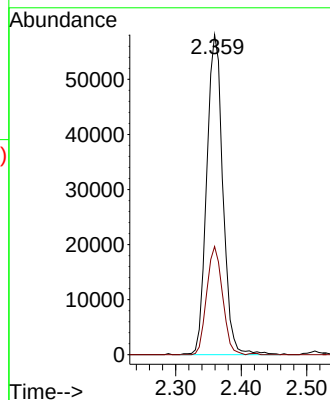
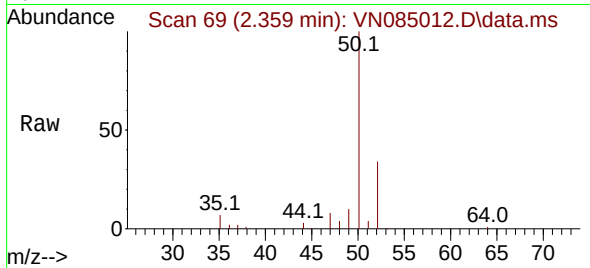




#3
Chloromethane
Concen: 42.164 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

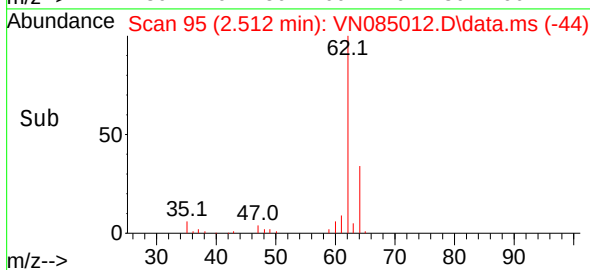
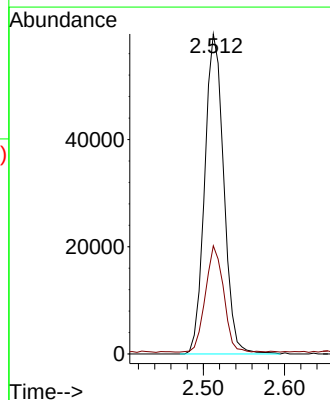
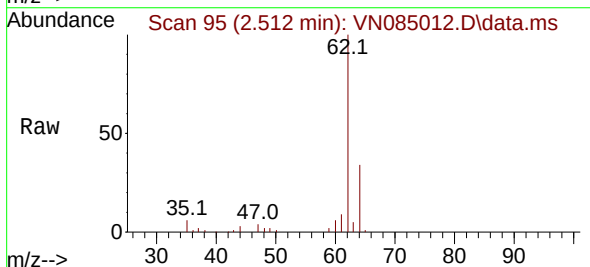
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ClientSampleId :
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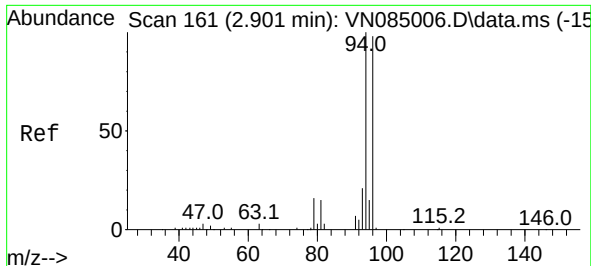
Tgt Ion: 50 Resp: 99689
Ion Ratio Lower Upper
50 100
52 33.8 27.8 41.8



#4
Vinyl Chloride
Concen: 45.721 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 62 Resp: 97145
Ion Ratio Lower Upper
62 100
64 33.2 24.6 36.8

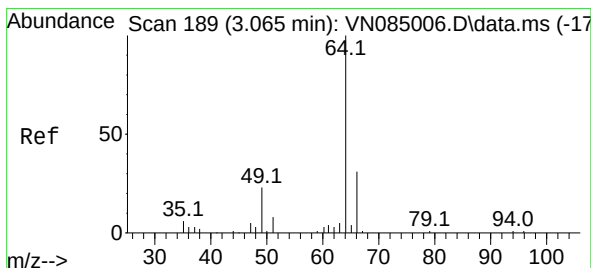
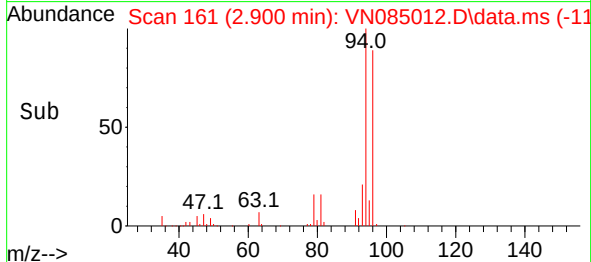
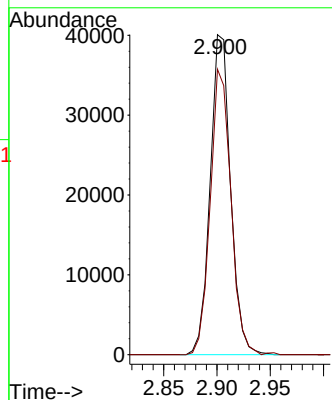
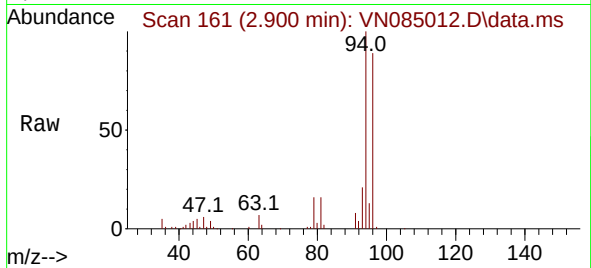




#5
Bromomethane
Concen: 44.945 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

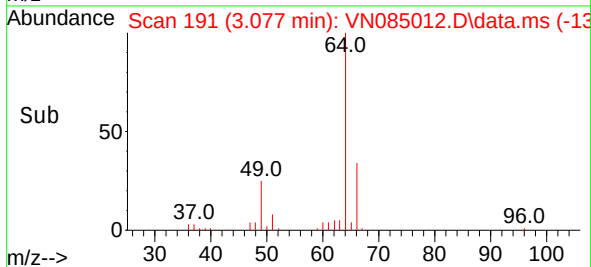
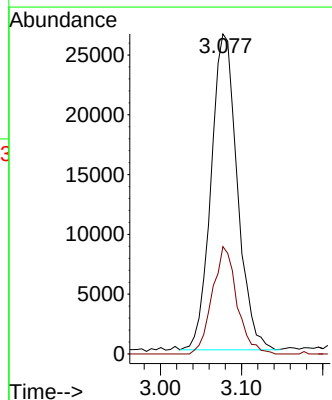
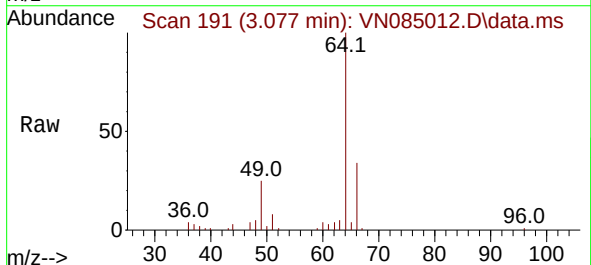
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MSVOA_N
ClientSampleId :
ICVVN112224

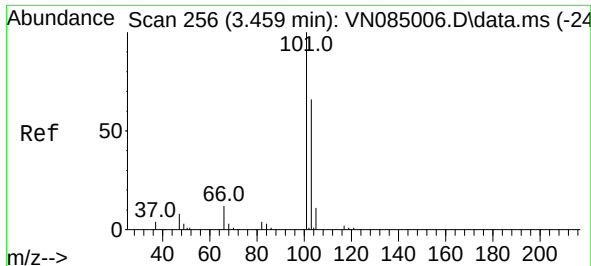
Tgt Ion: 94 Resp: 53525
Ion Ratio Lower Upper
94 100
96 89.2 78.7 118.1



#6
Chloroethane
Concen: 41.527 ug/l
RT: 3.077 min Scan# 191
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 64 Resp: 59473
Ion Ratio Lower Upper
64 100
66 34.0 24.4 36.6

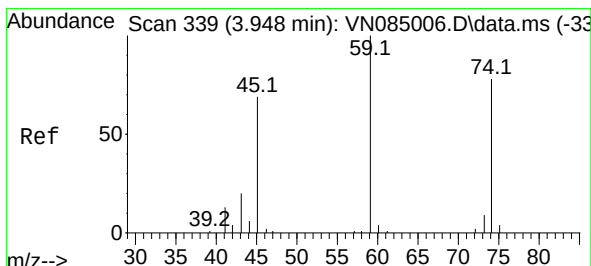
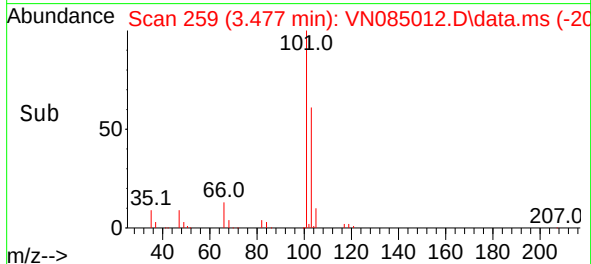
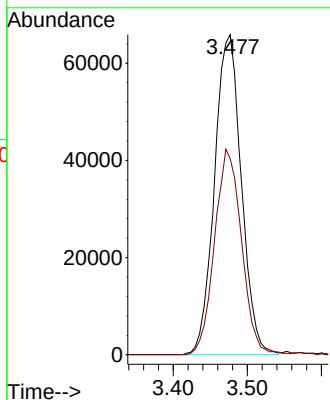
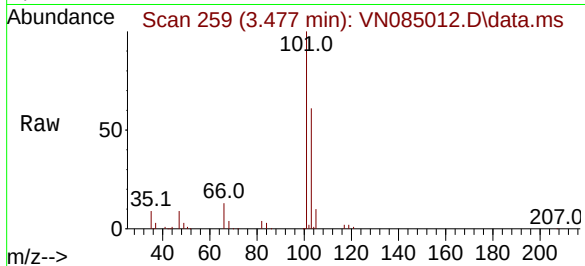




#7
Trichlorofluoromethane
Concen: 45.916 ug/l
RT: 3.477 min Scan# 20
Delta R.T. 0.017 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

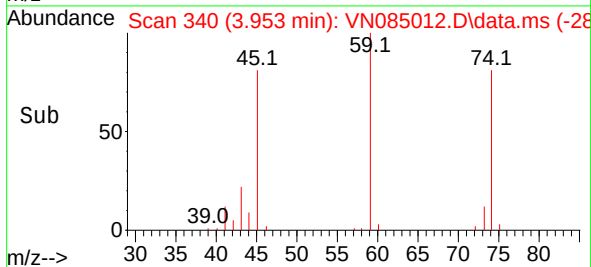
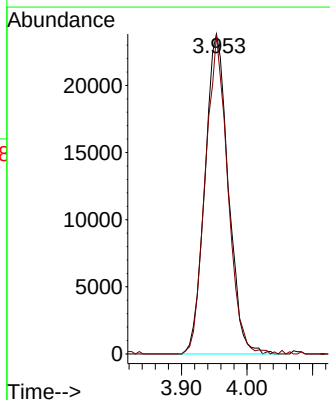
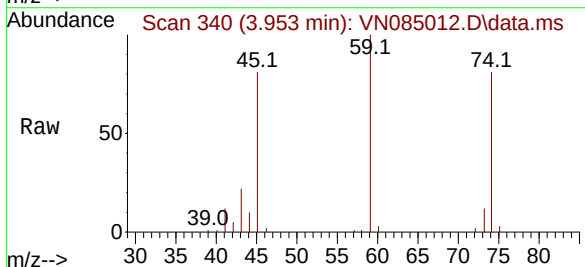
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

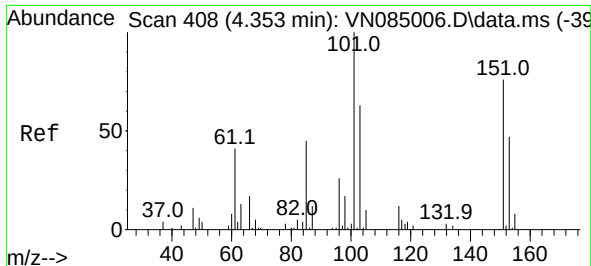
Tgt Ion:101 Resp: 165959
Ion Ratio Lower Upper
101 100
103 61.3 52.6 78.8



#8
Diethyl Ether
Concen: 47.942 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 74 Resp: 58978
Ion Ratio Lower Upper
74 100
45 95.6 46.7 140.1

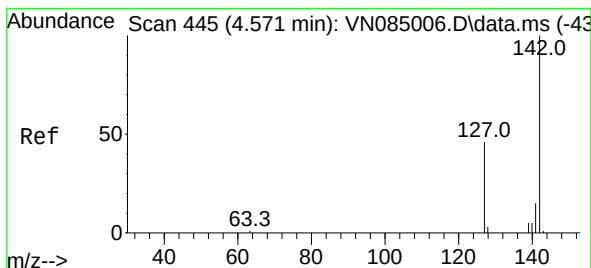
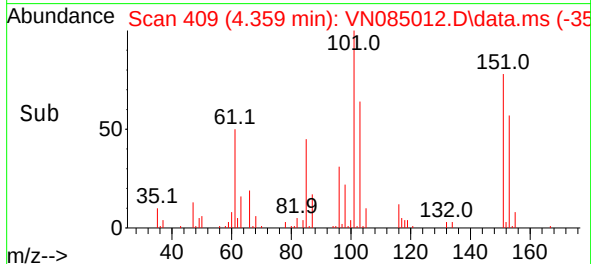
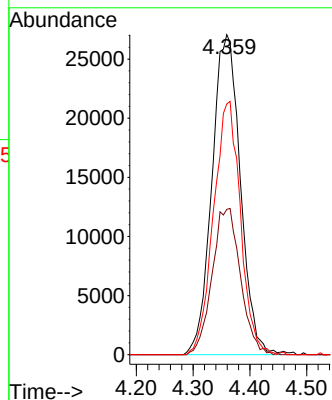
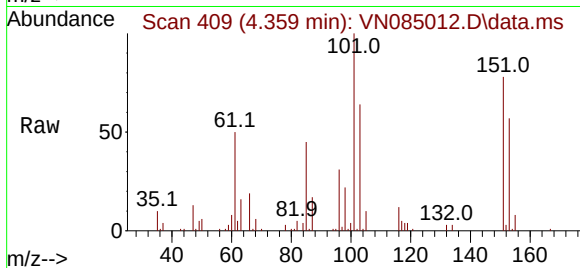




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.709 ug/l
RT: 4.359 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

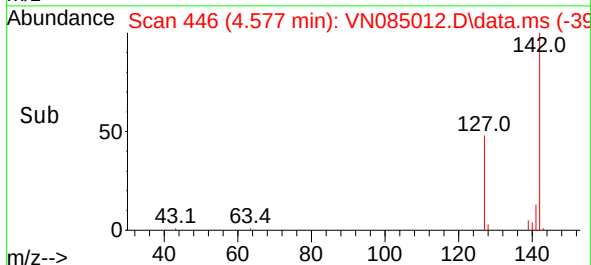
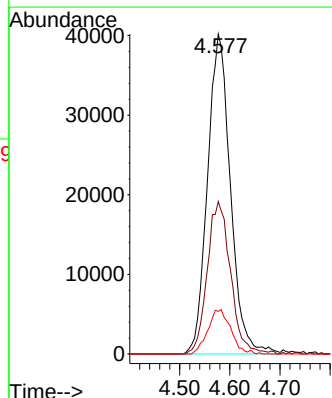
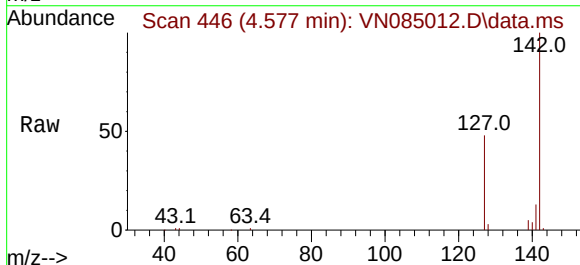
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

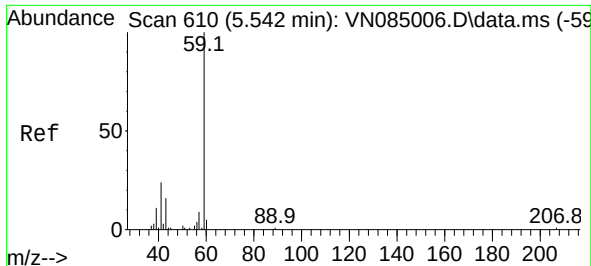
Tgt Ion:101 Resp: 93701
Ion Ratio Lower Upper
101 100
85 45.7 36.9 55.3
151 75.2 60.8 91.2



#10
Methyl Iodide
Concen: 47.063 ug/l
RT: 4.577 min Scan# 446
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:142 Resp: 127705
Ion Ratio Lower Upper
142 100
127 47.6 36.6 54.8
141 13.3 12.2 18.4

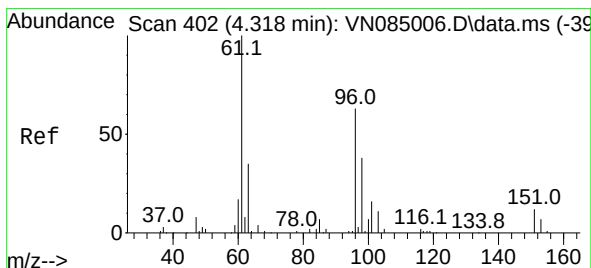
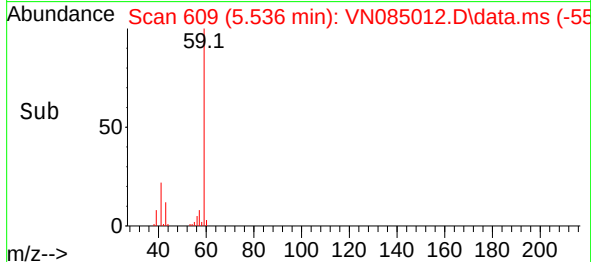
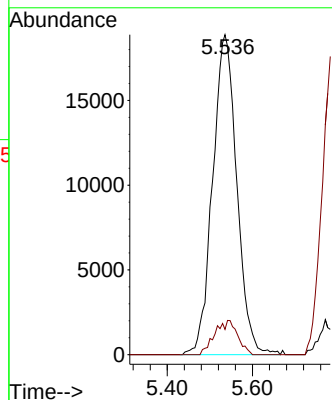
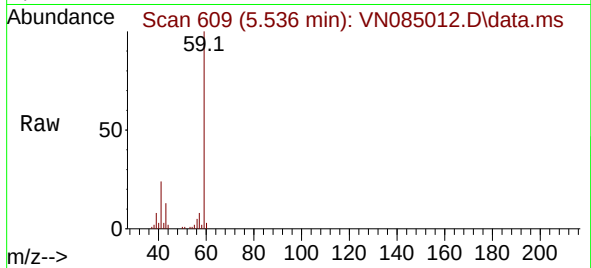




#11
Tert butyl alcohol
Concen: 216.857 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

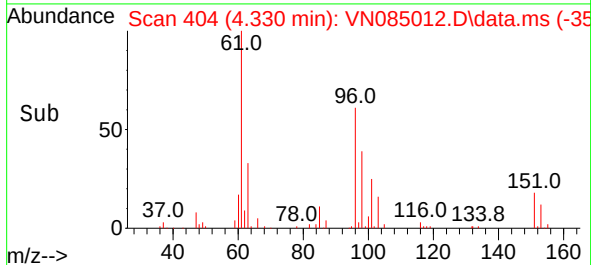
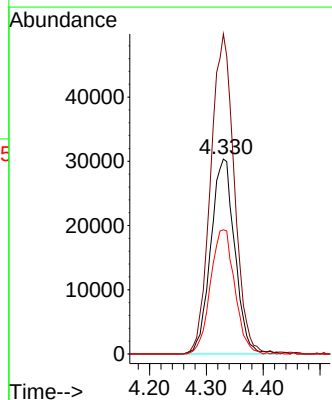
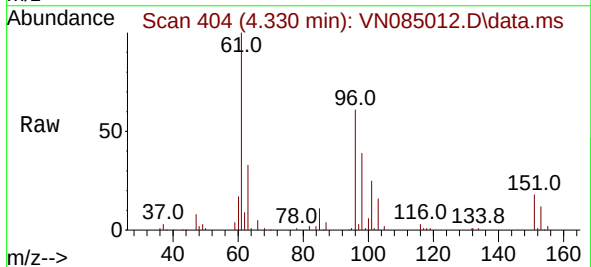
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

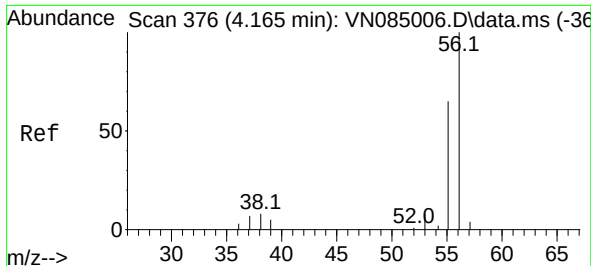
Tgt Ion: 59 Resp: 74416
Ion Ratio Lower Upper
59 100
57 10.1 7.4 11.0



#12
1,1-Dichloroethene
Concen: 46.677 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.012 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 96 Resp: 89314
Ion Ratio Lower Upper
96 100
61 164.2 127.8 191.8
98 63.7 49.2 73.8





#13

Acrolein

Concen: 256.710 ug/l

RT: 4.171 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

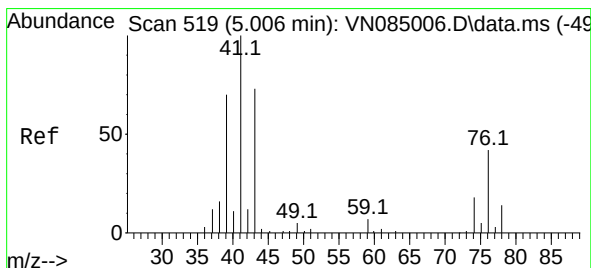
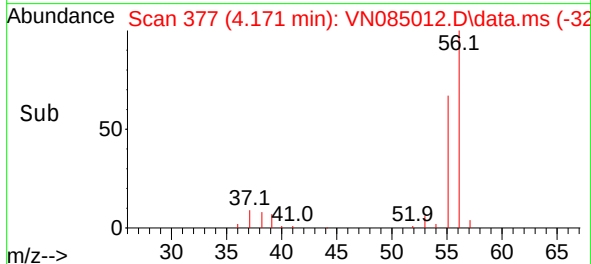
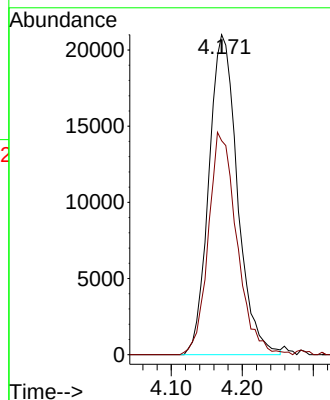
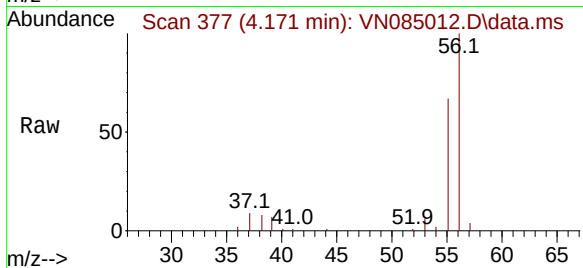
ICVVN112224

Tgt Ion: 56 Resp: 58781

Ion Ratio Lower Upper

56 100

55 69.2 54.5 81.7



#14

Allyl chloride

Concen: 47.178 ug/l

RT: 5.012 min Scan# 520

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

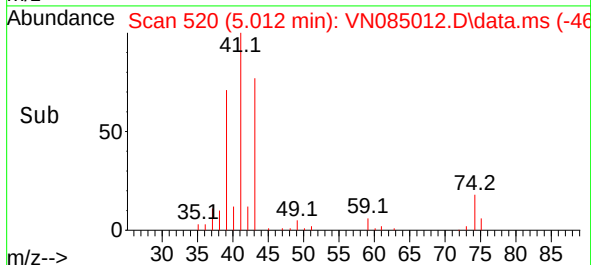
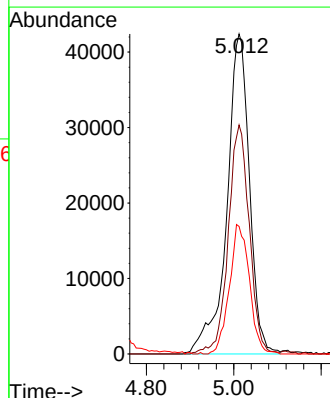
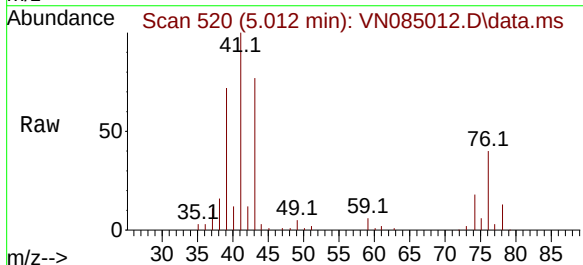
Tgt Ion: 41 Resp: 152182

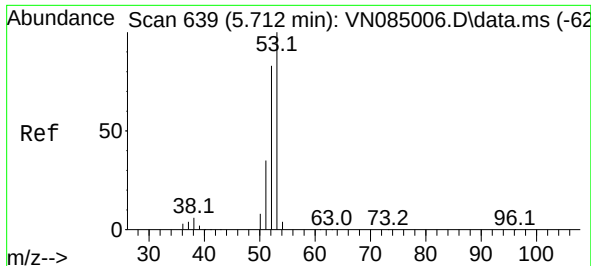
Ion Ratio Lower Upper

41 100

39 66.6 53.8 80.8

76 35.9 29.3 43.9

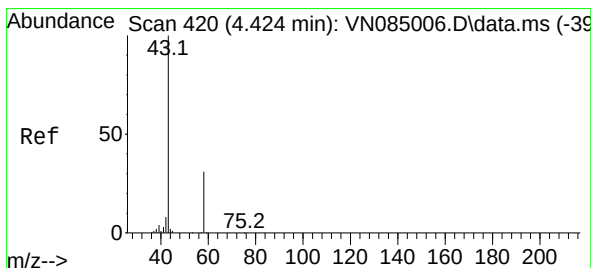
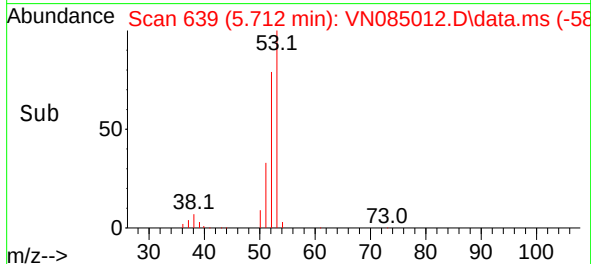
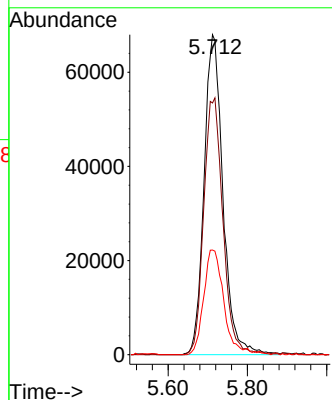
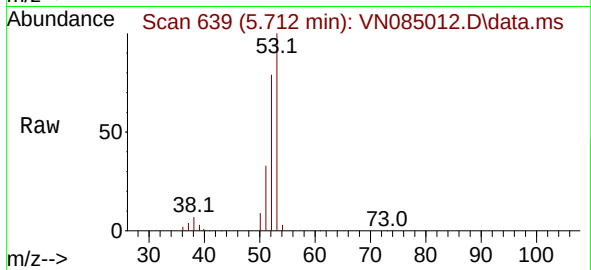




#15
Acrylonitrile
Concen: 232.029 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

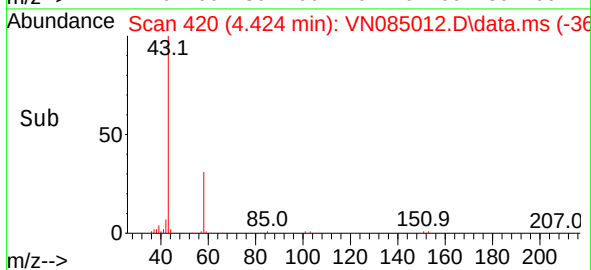
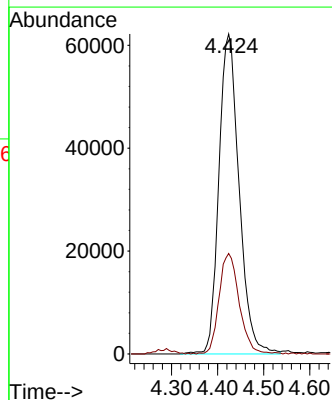
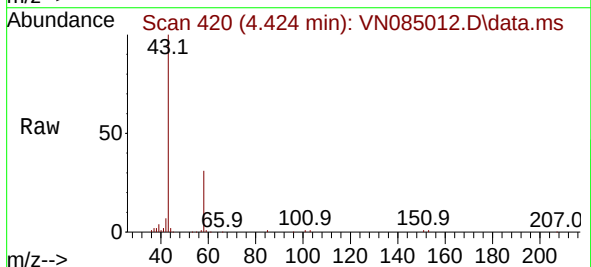
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

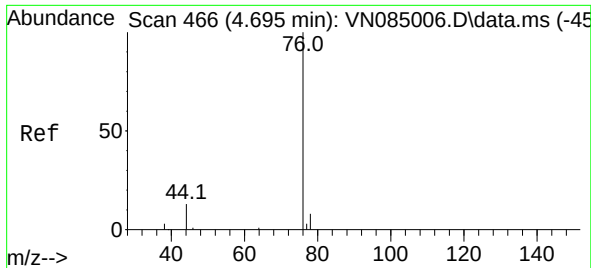
Tgt Ion: 53 Resp: 225423
Ion Ratio Lower Upper
53 100
52 81.5 65.5 98.3
51 34.6 28.4 42.6



#16
Acetone
Concen: 252.665 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 188963
Ion Ratio Lower Upper
43 100
58 31.1 25.4 38.2





#17

Carbon Disulfide

Concen: 43.362 ug/l

RT: 4.700 min Scan# 4

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

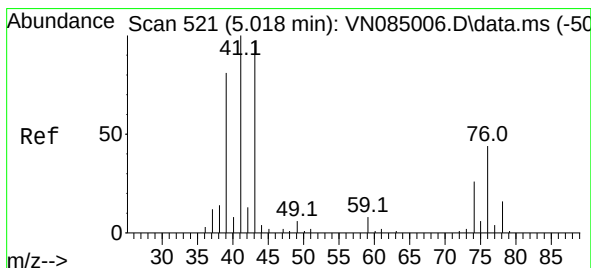
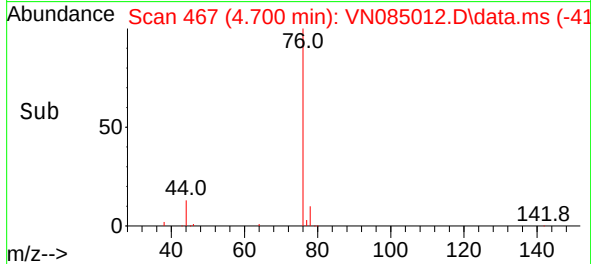
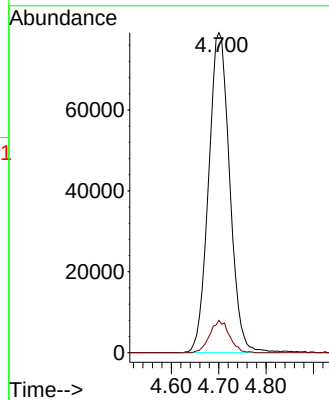
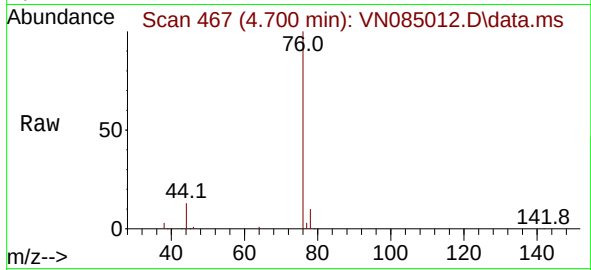
ICVVN112224

Tgt Ion: 76 Resp: 244899

Ion Ratio Lower Upper

76 100

78 10.1 6.5 9.7#



#18

Methyl Acetate

Concen: 46.500 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085012.D

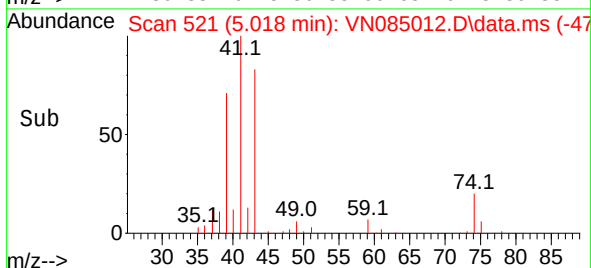
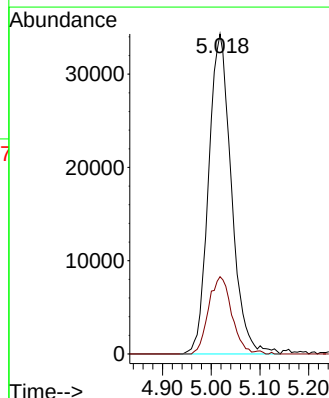
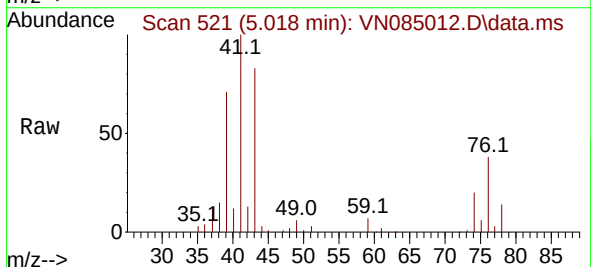
Acq: 22 Nov 2024 16:07

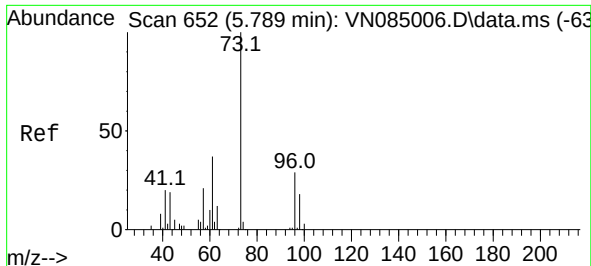
Tgt Ion: 43 Resp: 111346

Ion Ratio Lower Upper

43 100

74 24.4 20.1 30.1

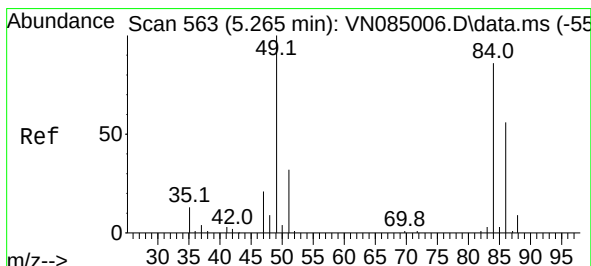
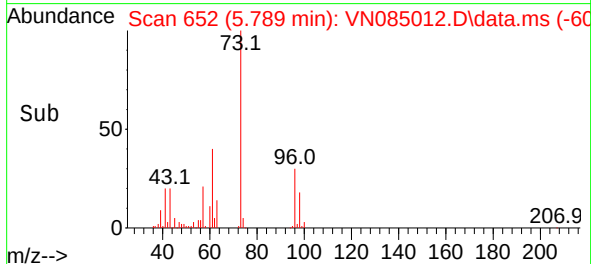
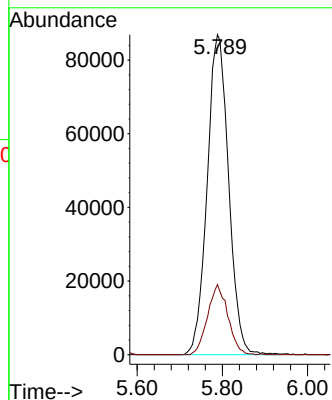
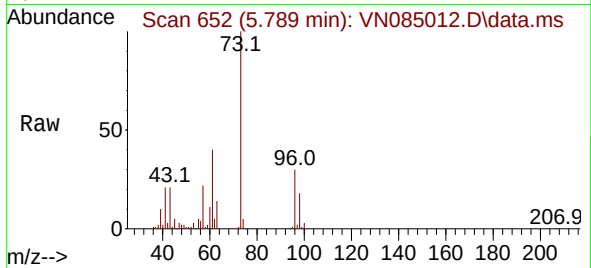




#19
Methyl tert-butyl Ether
Concen: 48.602 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

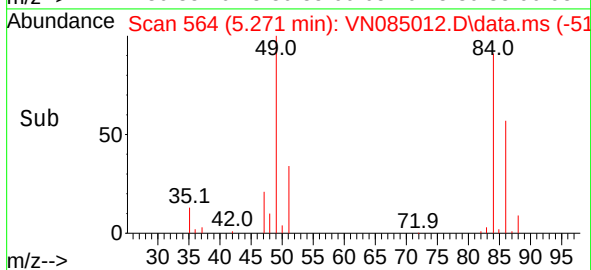
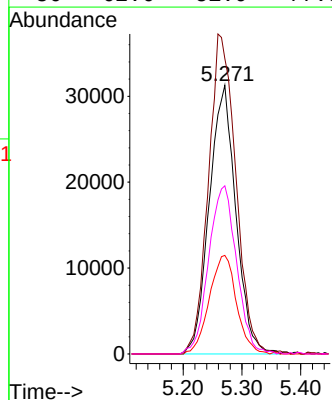
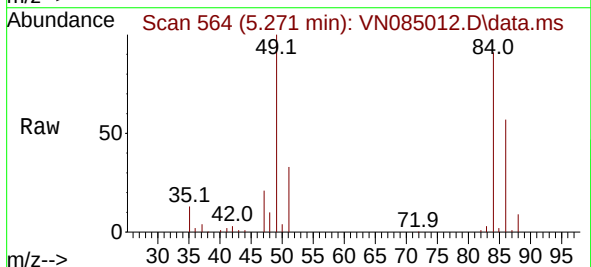
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

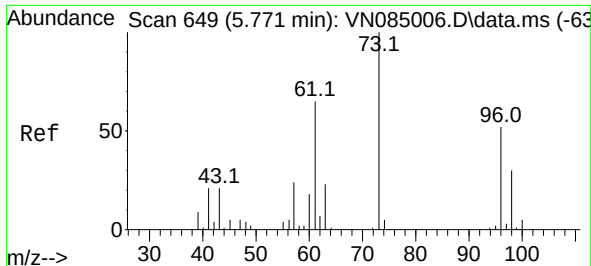
Tgt Ion: 73 Resp: 303857
Ion Ratio Lower Upper
73 100
57 21.9 17.0 25.4



#20
Methylene Chloride
Concen: 43.090 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 84 Resp: 98339
Ion Ratio Lower Upper
84 100
49 110.0 92.7 139.1
51 36.7 29.4 44.2
86 62.6 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.805 ug/l

RT: 5.777 min Scan# 649

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

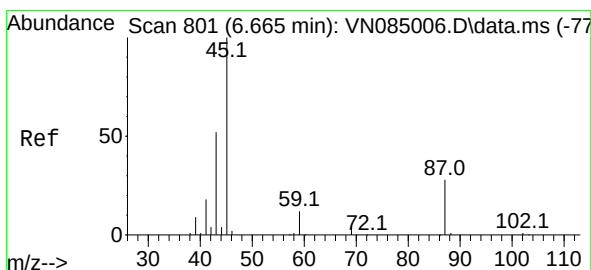
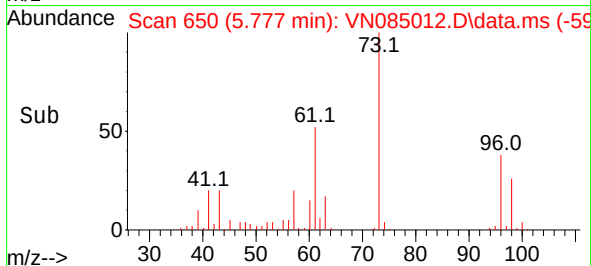
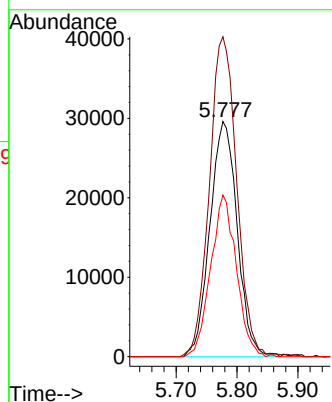
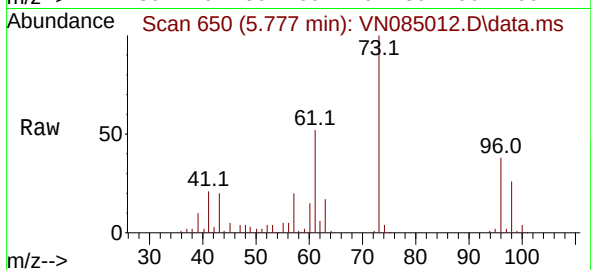
Tgt Ion: 96 Resp: 92234

Ion Ratio Lower Upper

96 100

61 136.1 100.7 151.1

98 68.7 45.8 68.6#



#22

Diisopropyl ether

Concen: 47.281 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion: 45 Resp: 306957

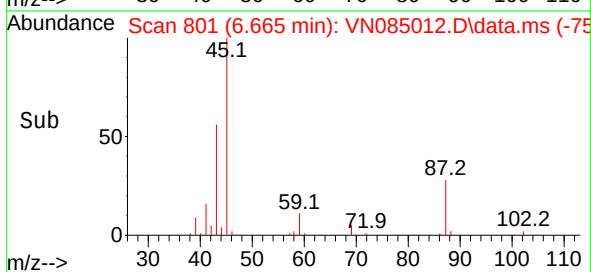
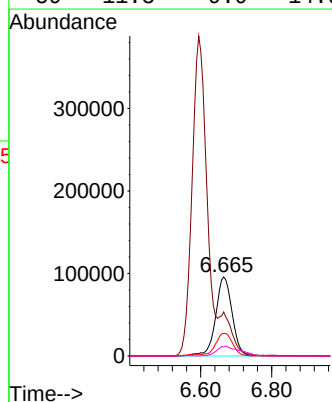
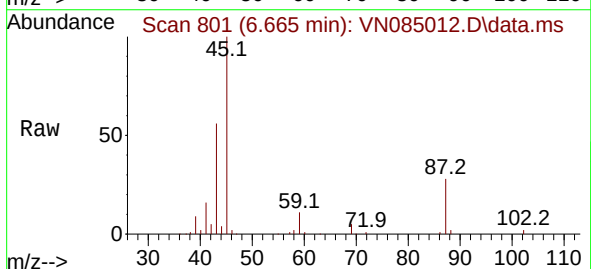
Ion Ratio Lower Upper

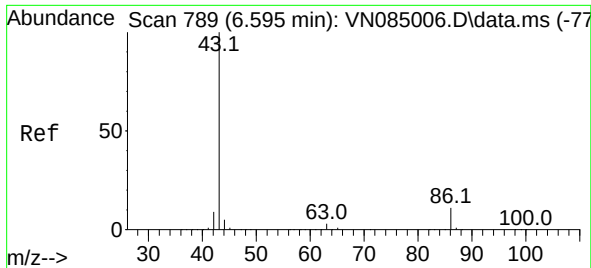
45 100

43 55.0 42.7 64.1

87 28.5 22.6 34.0

59 11.3 9.9 14.9

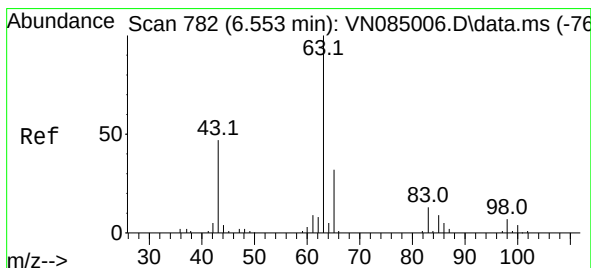
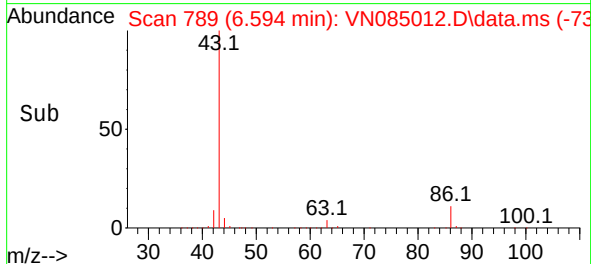
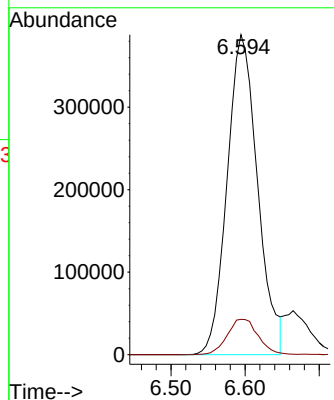
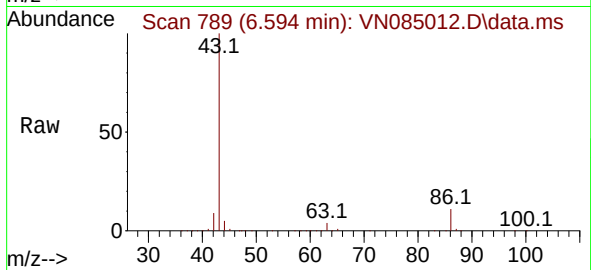




#23
 Vinyl Acetate
 Concen: 247.560 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

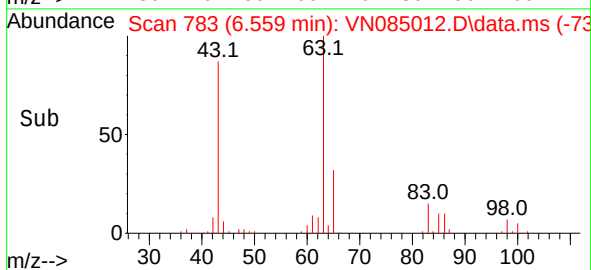
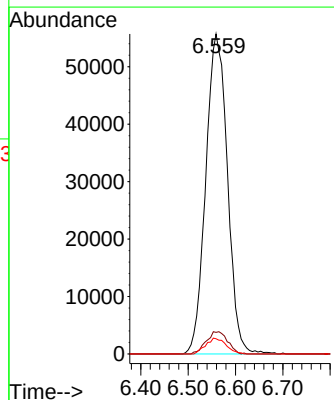
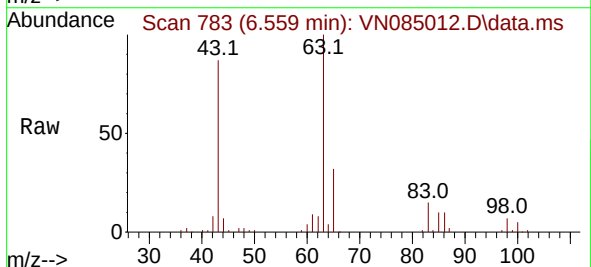
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

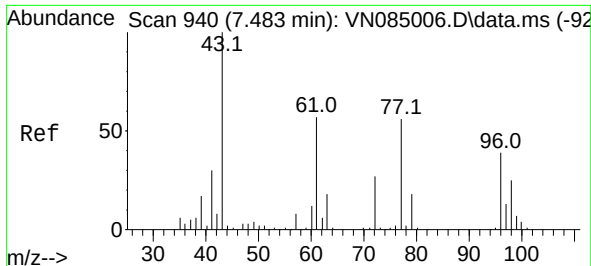
Tgt Ion: 43 Resp: 1108786
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 45.647 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.006 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 177343
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.8 2.2 6.6





#25

2-Butanone

Concen: 240.802 ug/l

RT: 7.477 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

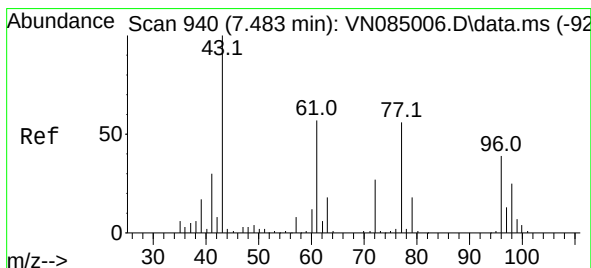
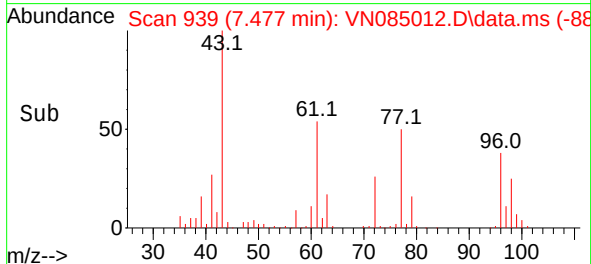
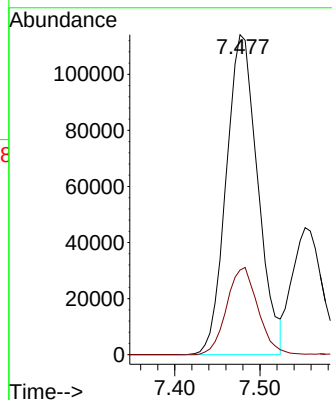
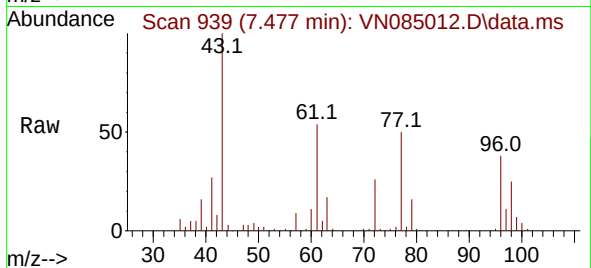
ICVVN112224

Tgt Ion: 43 Resp: 294434

Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.0



#26

2,2-Dichloropropane

Concen: 46.349 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085012.D

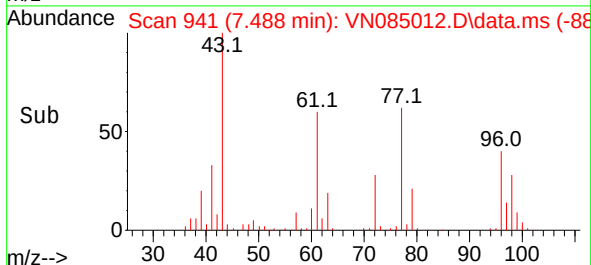
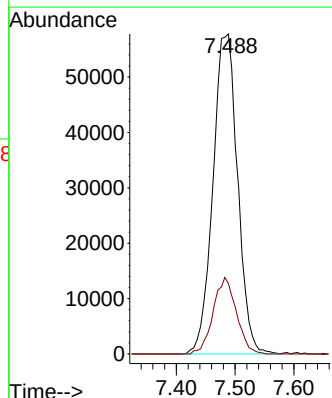
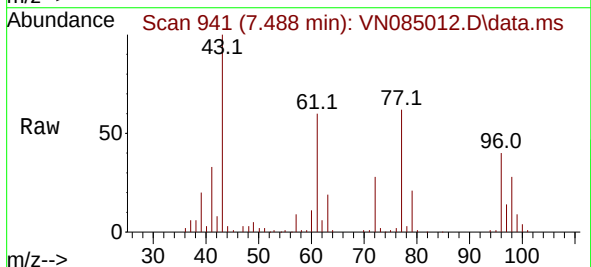
Acq: 22 Nov 2024 16:07

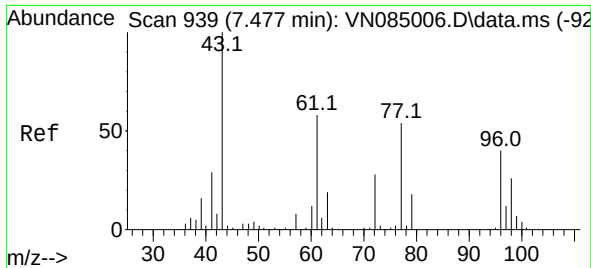
Tgt Ion: 77 Resp: 168144

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.7

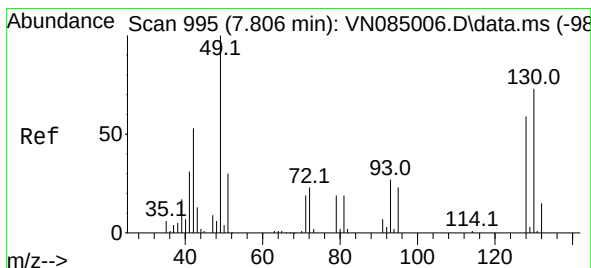
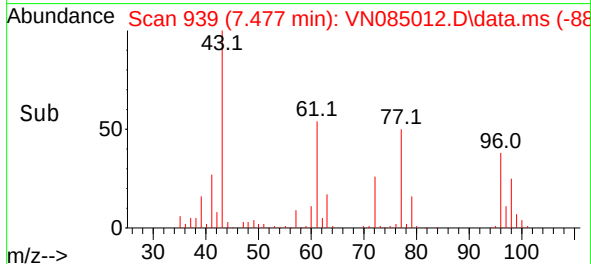
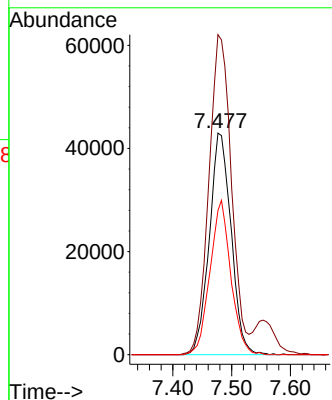
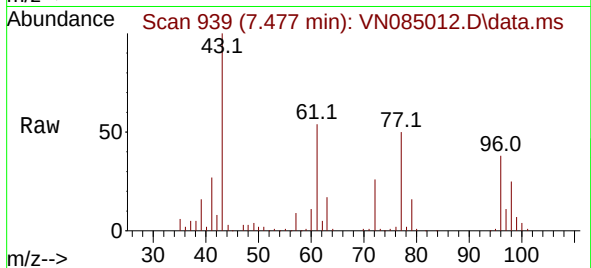




#27
 cis-1,2-Dichloroethene
 Concen: 45.609 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. -0.000 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

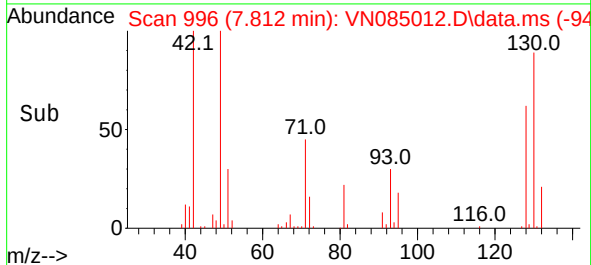
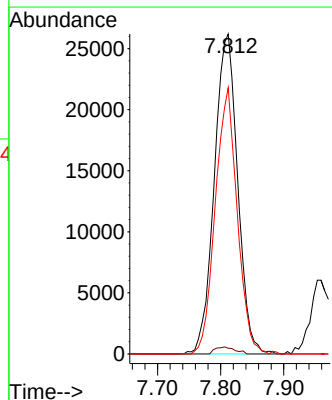
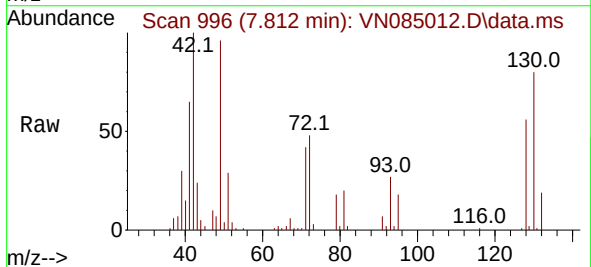
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

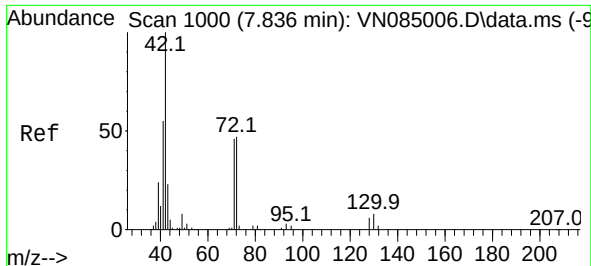
Tgt Ion: 96 Resp: 110716
 Ion Ratio Lower Upper
 96 100
 61 149.3 0.0 291.6
 98 66.6 0.0 129.8



#28
 Bromochloromethane
 Concen: 45.913 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

Tgt Ion: 49 Resp: 67335
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.0
 130 78.0 60.6 90.8

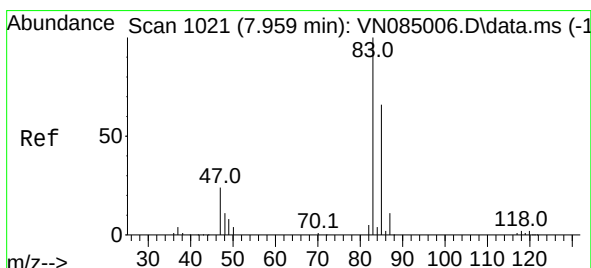
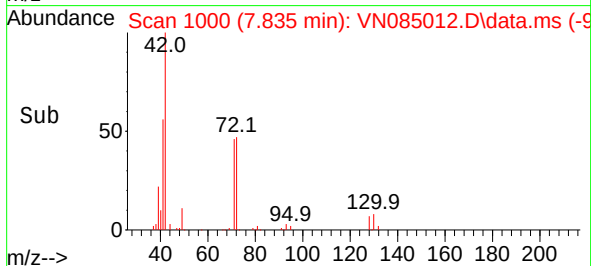
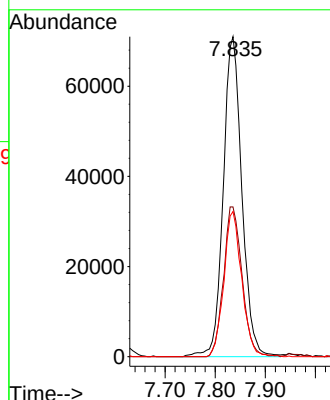
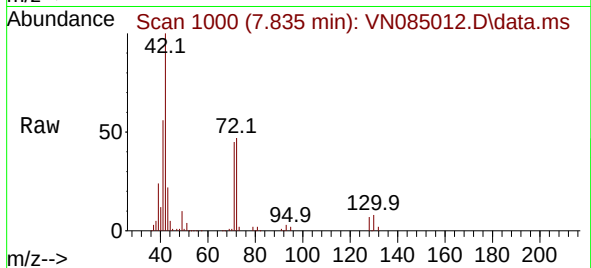




#29
Tetrahydrofuran
Concen: 241.241 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

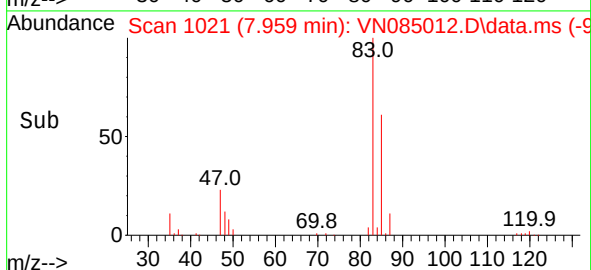
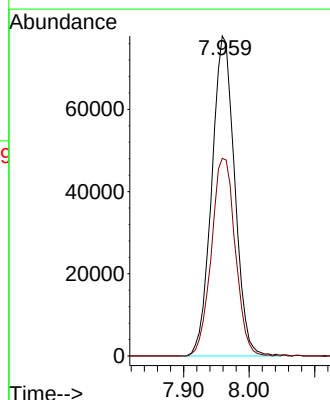
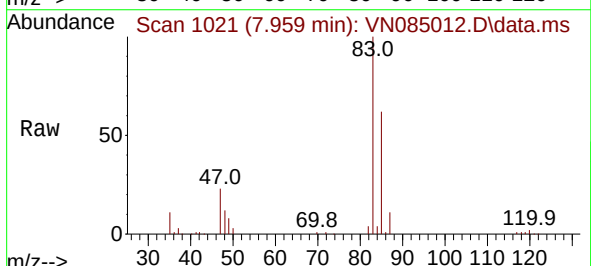
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

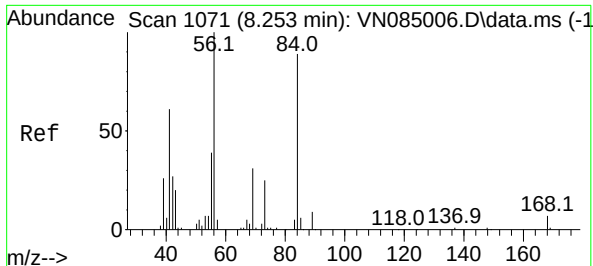
Tgt Ion: 42 Resp: 183433
Ion Ratio Lower Upper
42 100
72 46.4 37.0 55.4
71 43.6 35.0 52.4



#30
Chloroform
Concen: 45.623 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

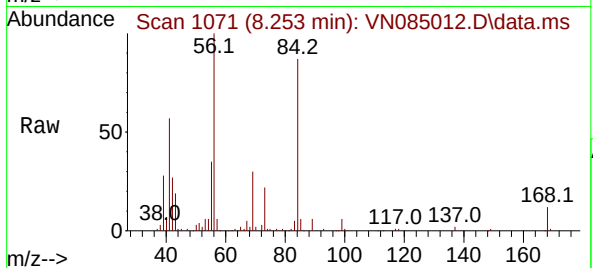
Tgt Ion: 83 Resp: 188550
Ion Ratio Lower Upper
83 100
85 61.8 52.6 78.8



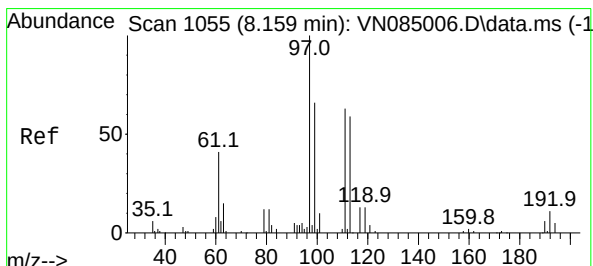
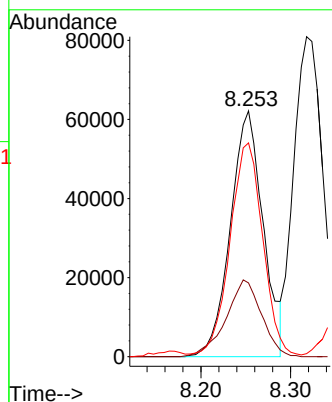
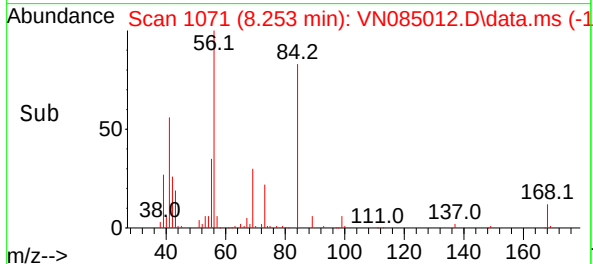


#31
Cyclohexane
Concen: 46.084 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

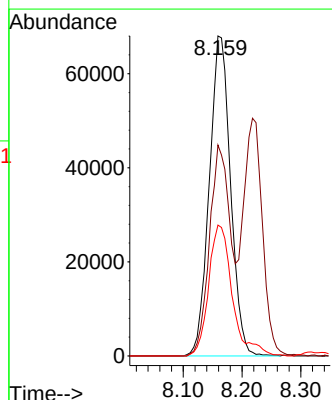
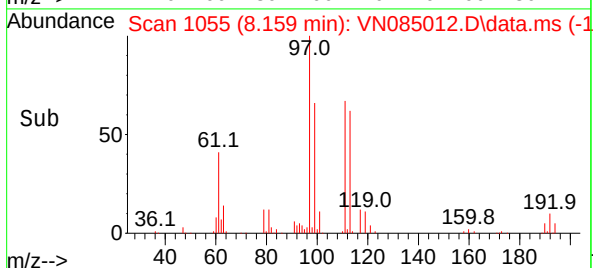
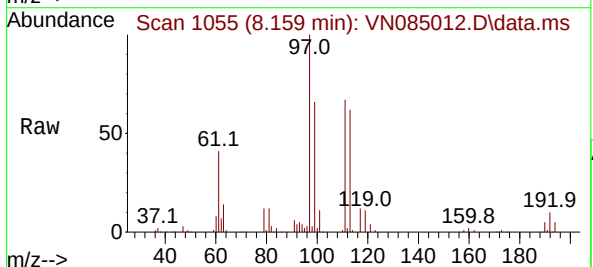


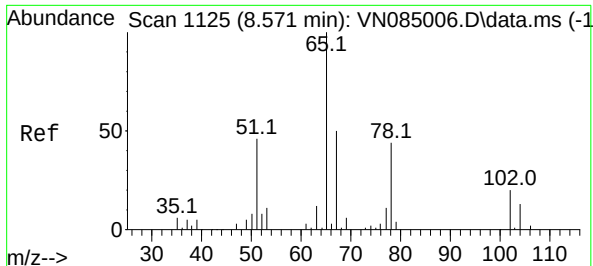
Tgt Ion: 56 Resp: 157639
Ion Ratio Lower Upper
56 100
69 30.0 24.6 36.8
84 85.3 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 45.714 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 97 Resp: 170723
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 45.6 36.2 54.2

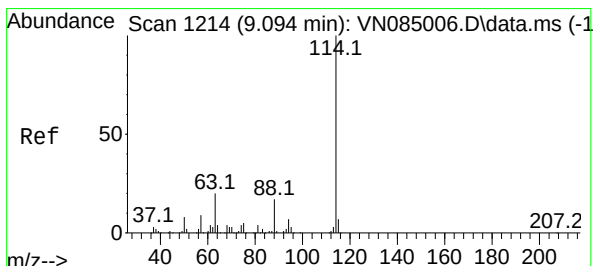
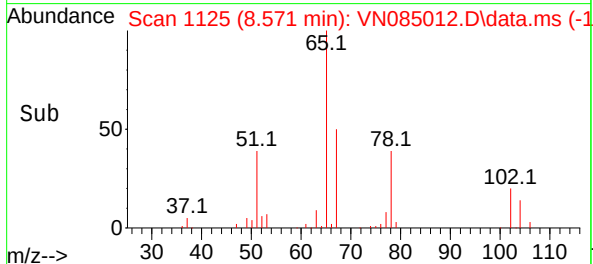
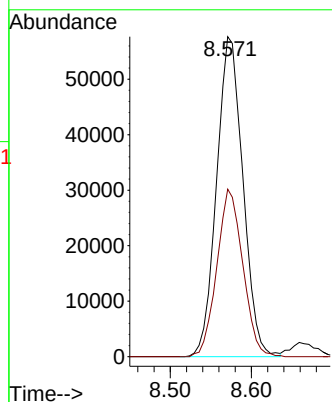
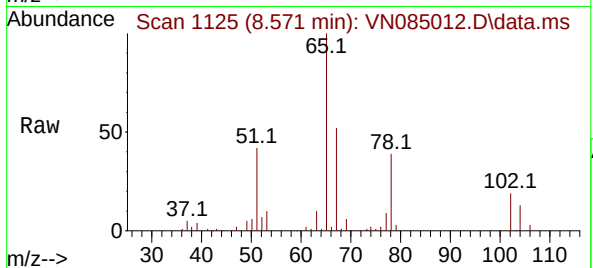




#33
1,2-Dichloroethane-d4
Concen: 50.568 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

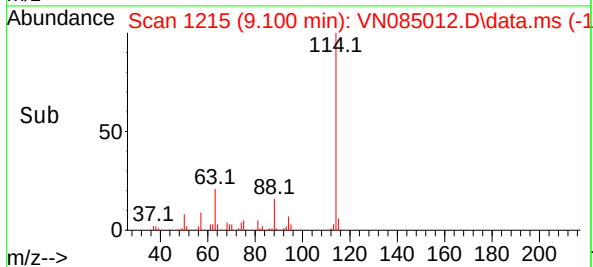
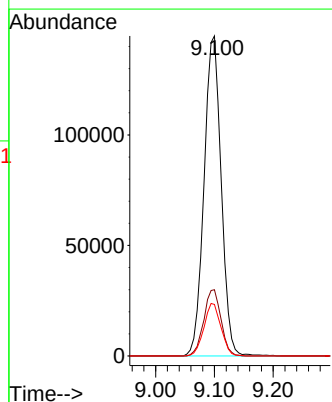
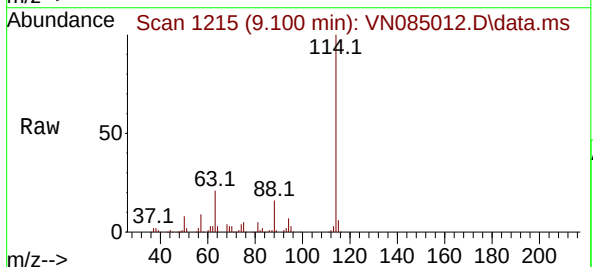
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

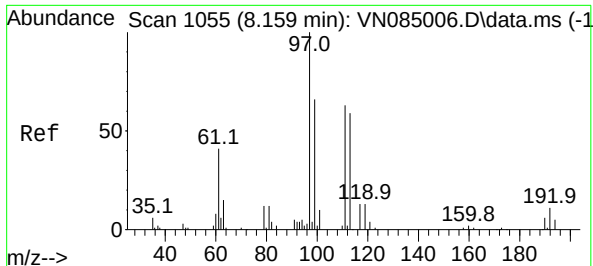
Tgt Ion: 65 Resp: 129855
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 114 Resp: 293712
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.0
88 16.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.572 ug/l

RT: 8.159 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

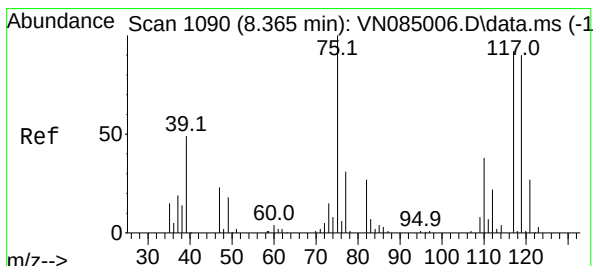
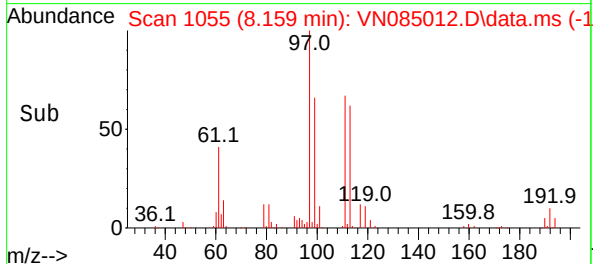
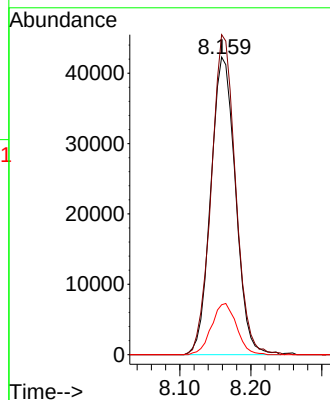
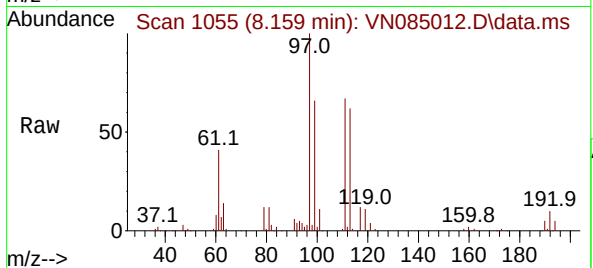
Tgt Ion:113 Resp: 102148

Ion Ratio Lower Upper

113 100

111 105.3 82.0 123.0

192 17.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 48.093 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

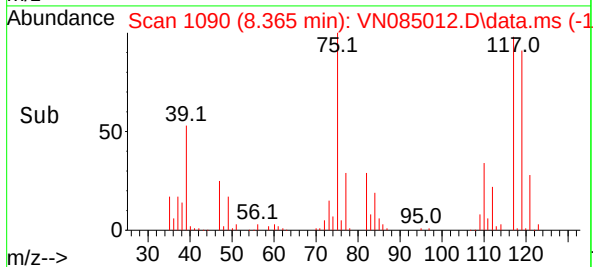
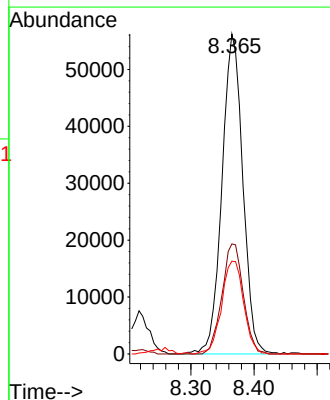
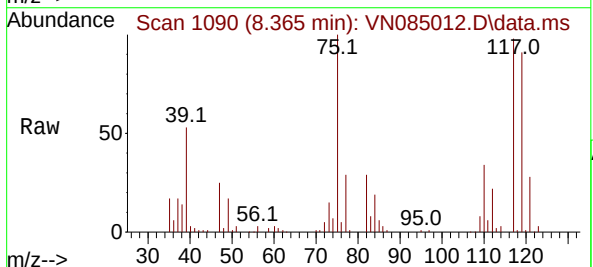
Tgt Ion: 75 Resp: 129026

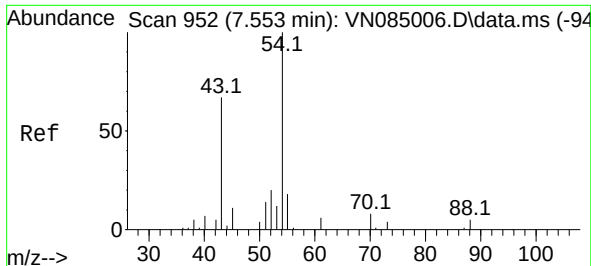
Ion Ratio Lower Upper

75 100

110 35.2 17.2 51.6

77 30.7 24.2 36.4





#37

Ethyl Acetate

Concen: 46.651 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

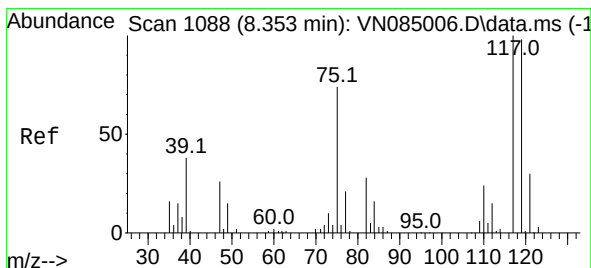
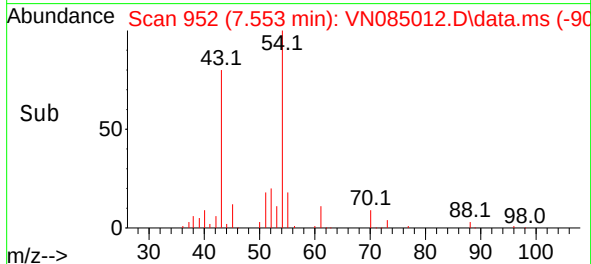
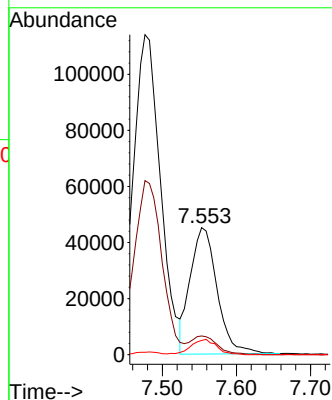
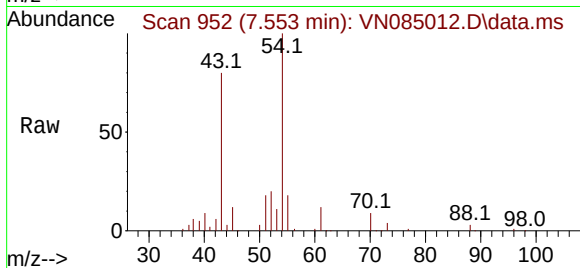
Tgt Ion: 43 Resp: 113781

Ion Ratio Lower Upper

43 100

61 14.9 11.7 17.5

70 11.5 9.3 13.9



#38

Carbon Tetrachloride

Concen: 48.846 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

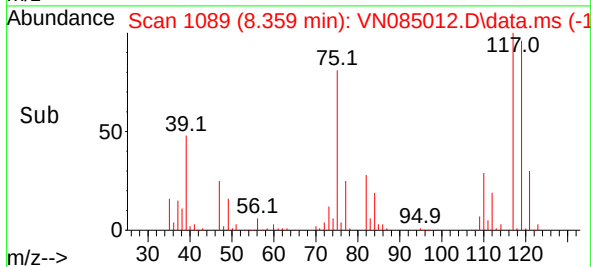
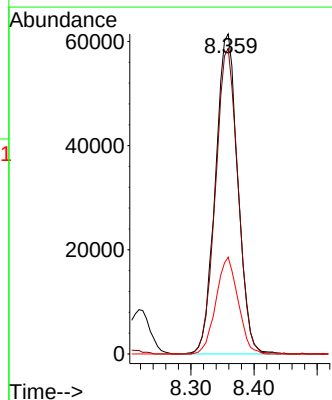
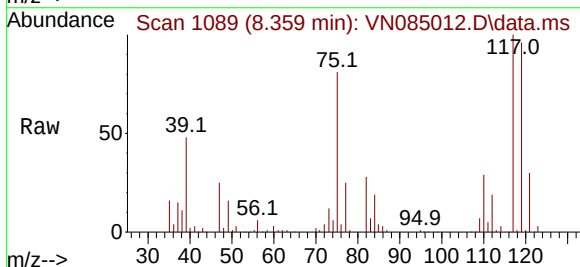
Tgt Ion:117 Resp: 151265

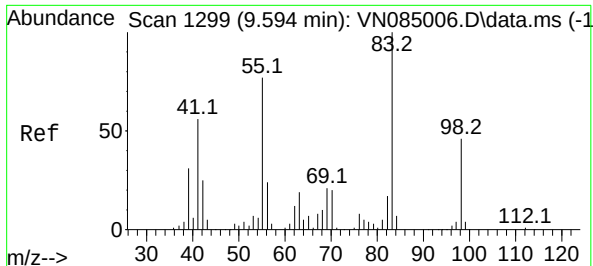
Ion Ratio Lower Upper

117 100

119 95.5 78.6 117.8

121 30.3 24.2 36.2





#39

Methylcyclohexane

Concen: 52.114 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

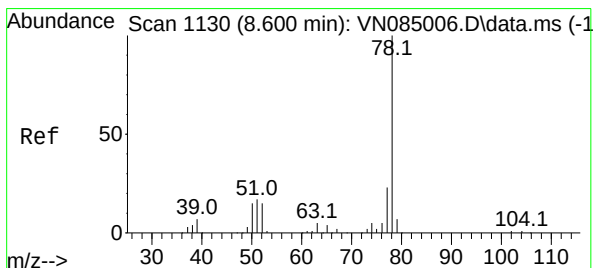
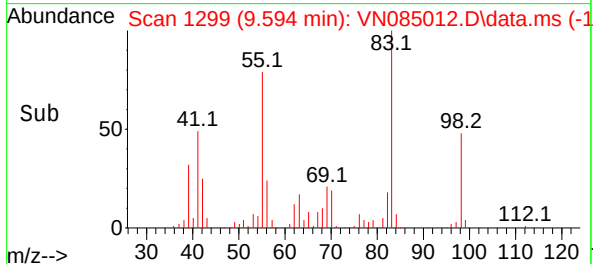
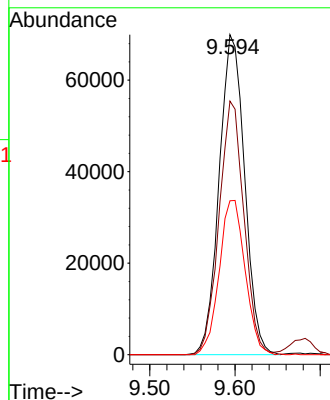
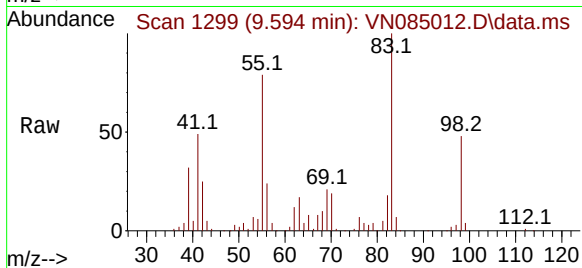
Tgt Ion: 83 Resp: 145286

Ion Ratio Lower Upper

83 100

55 79.2 61.8 92.6

98 48.1 37.0 55.6



#40

Benzene

Concen: 47.675 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085012.D

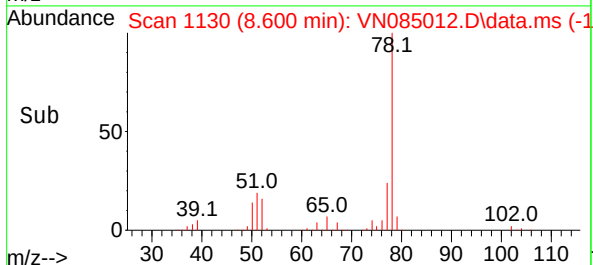
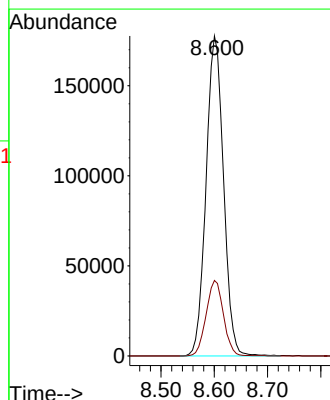
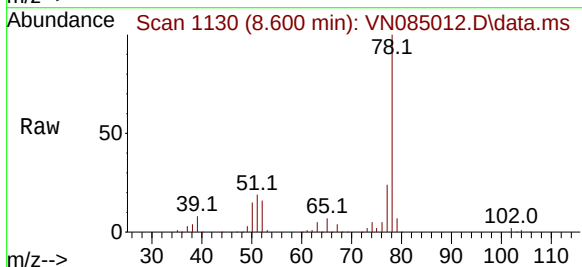
Acq: 22 Nov 2024 16:07

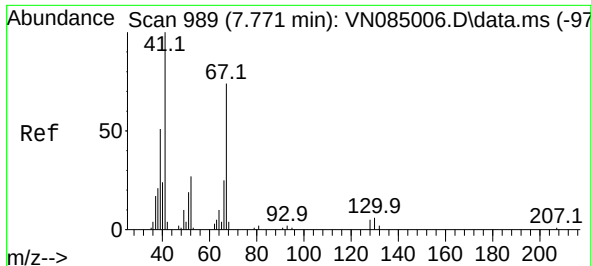
Tgt Ion: 78 Resp: 404536

Ion Ratio Lower Upper

78 100

77 23.6 18.5 27.7

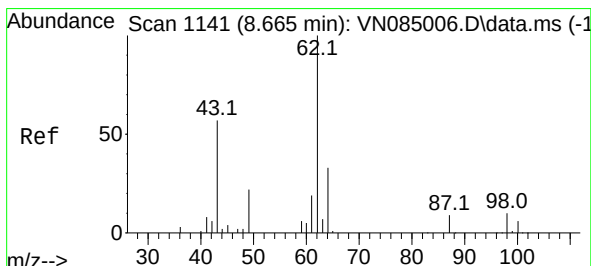
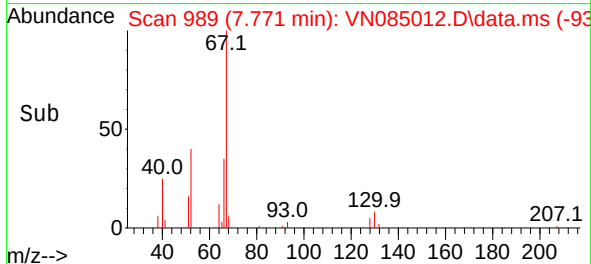
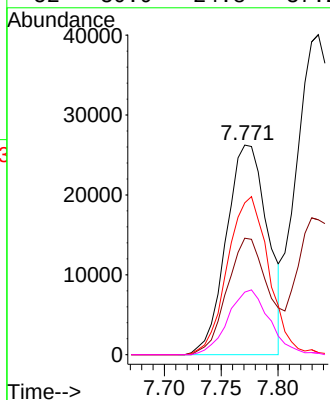
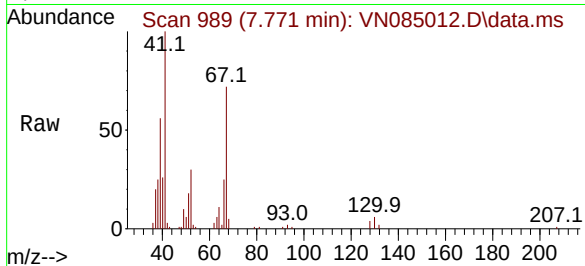




#41
Methacrylonitrile
Concen: 49.311 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

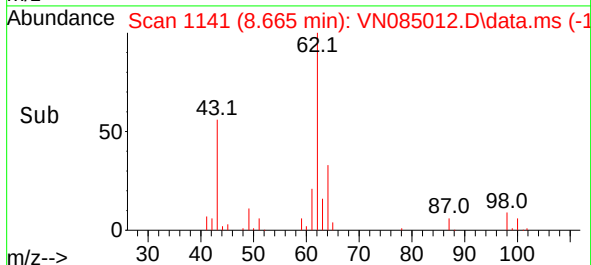
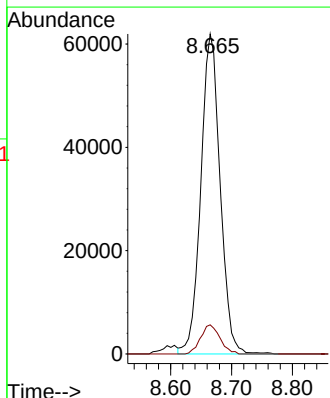
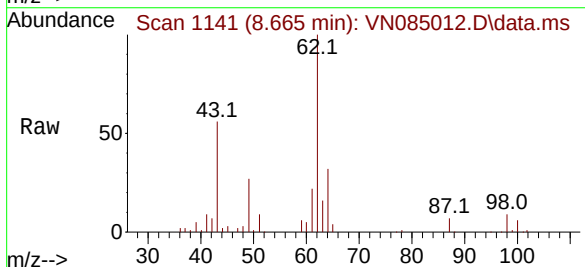
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

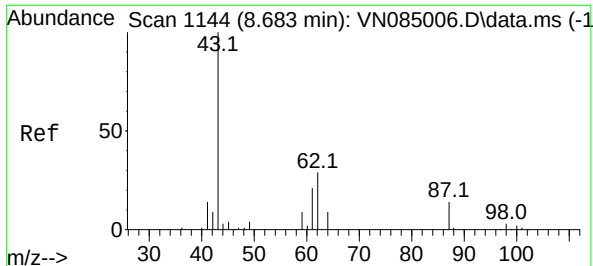
Tgt Ion:	41	Resp:	66590
Ion	Ratio	Lower	Upper
41	100		
39	56.6	42.6	63.8
67	75.5	59.9	89.9
52	30.9	24.8	37.2



#42
1,2-Dichloroethane
Concen: 47.025 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:	62	Resp:	136508
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 41.574 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

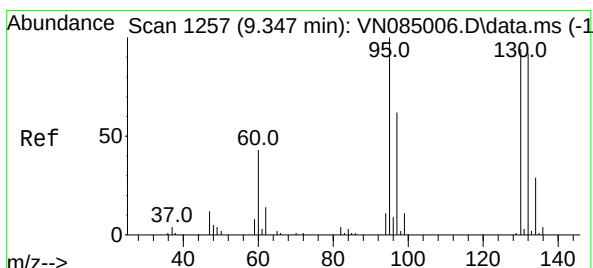
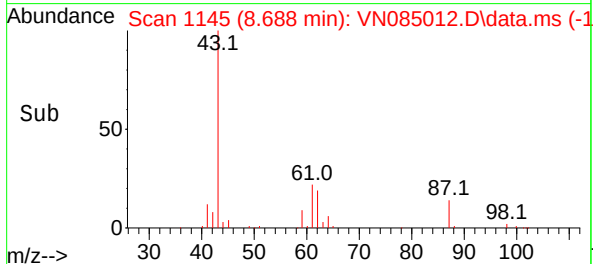
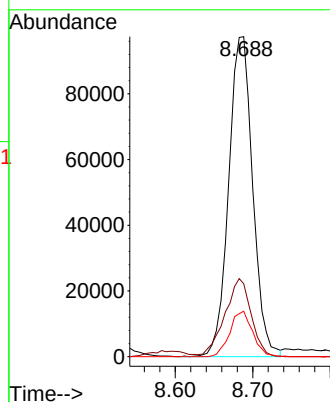
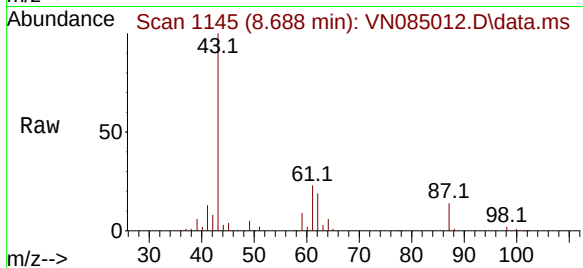
Tgt Ion: 43 Resp: 210623

Ion Ratio Lower Upper

43 100

61 26.7 20.6 30.8

87 13.5 11.0 16.4



#44

Trichloroethene

Concen: 47.205 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085012.D

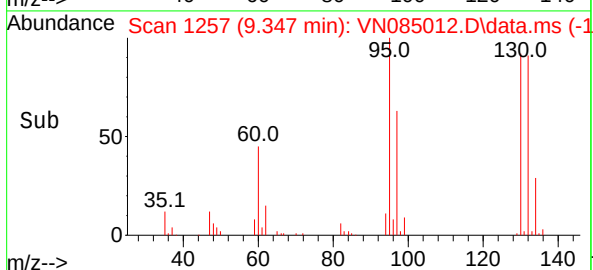
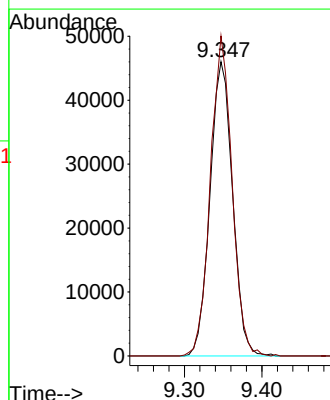
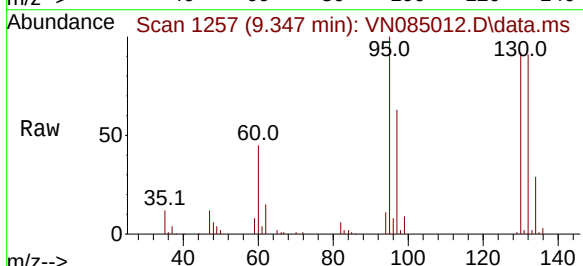
Acq: 22 Nov 2024 16:07

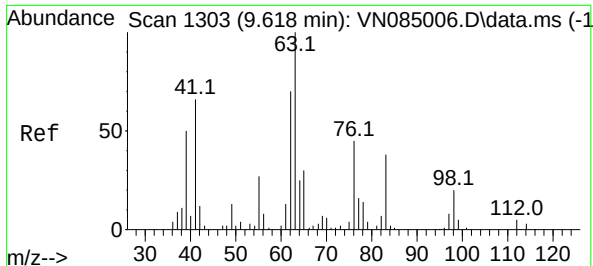
Tgt Ion:130 Resp: 93086

Ion Ratio Lower Upper

130 100

95 108.7 0.0 213.4

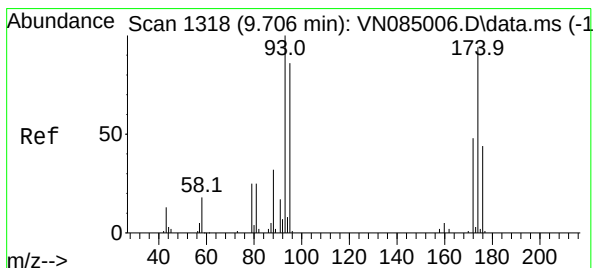
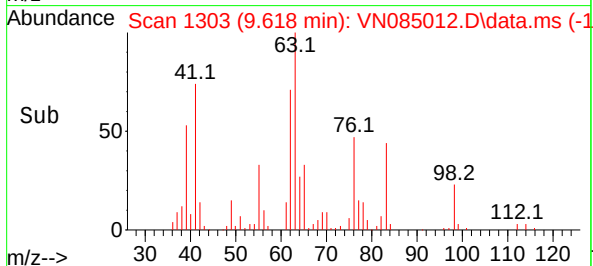
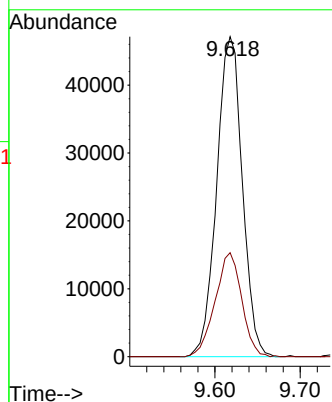
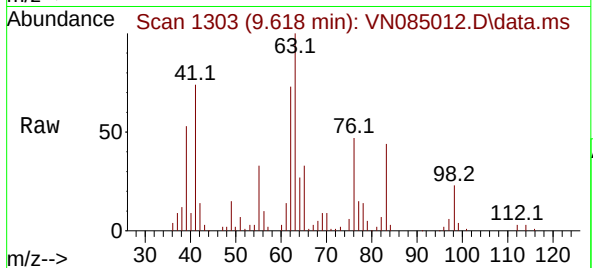




#45
1,2-Dichloropropane
Concen: 47.073 ug/l
RT: 9.618 min Scan# 1303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

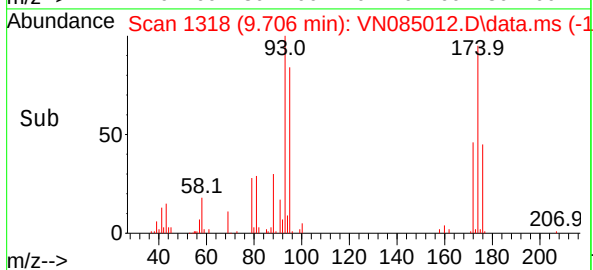
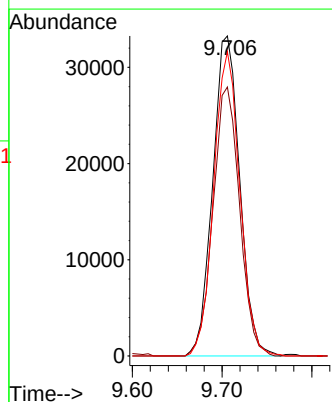
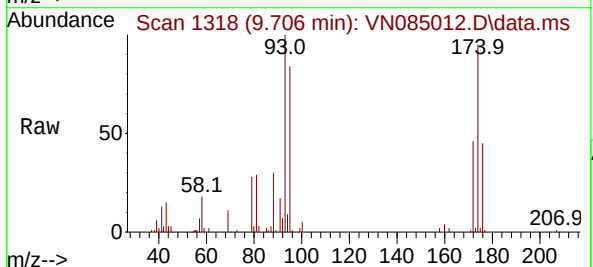
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

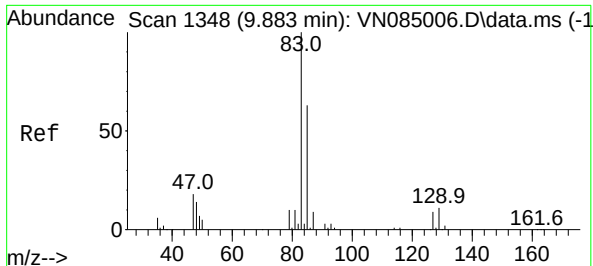
Tgt Ion: 63 Resp: 98380
Ion Ratio Lower Upper
63 100
65 32.5 24.0 36.0



#46
Dibromomethane
Concen: 47.909 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 93 Resp: 69575
Ion Ratio Lower Upper
93 100
95 82.9 66.2 99.4
174 91.9 74.9 112.3

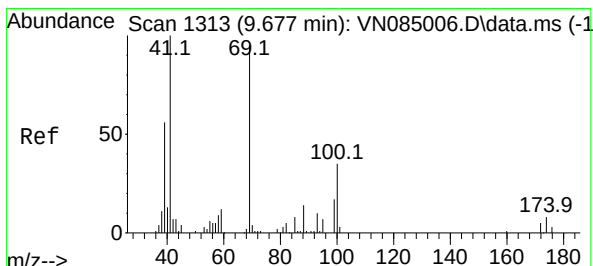
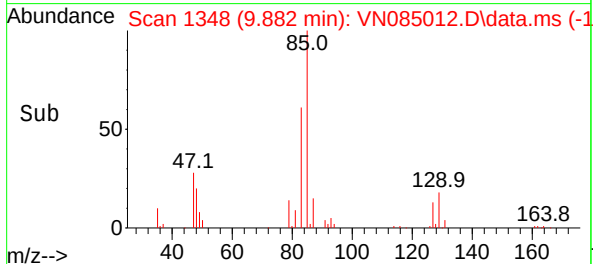
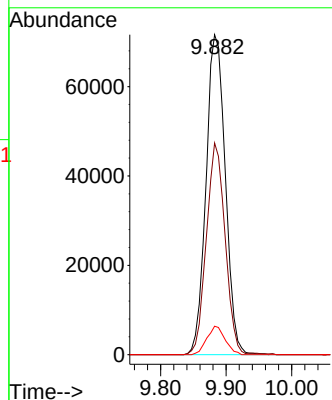
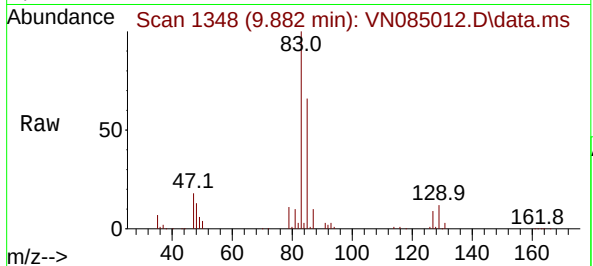




#47
Bromodichloromethane
Concen: 47.631 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

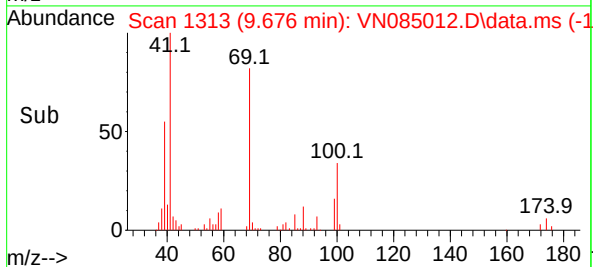
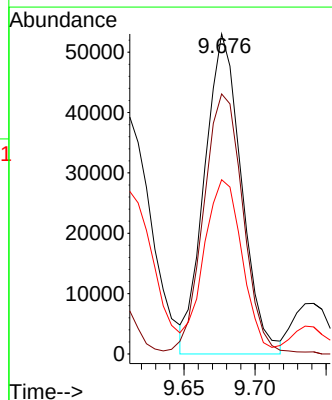
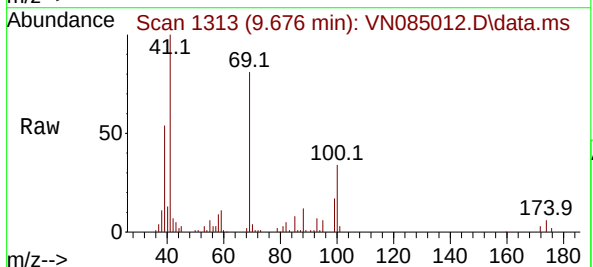
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

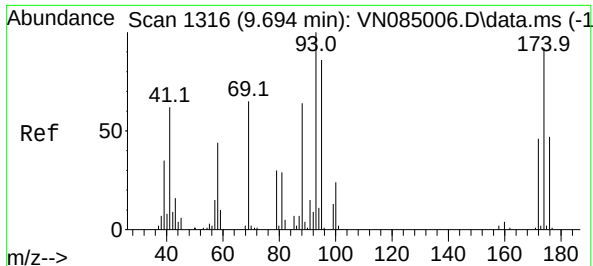
Tgt Ion: 83 Resp: 146603
Ion Ratio Lower Upper
83 100
85 66.2 50.5 75.7
127 8.9 7.1 10.7



#48
Methyl methacrylate
Concen: 50.900 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 41 Resp: 95959
Ion Ratio Lower Upper
41 100
69 86.9 73.2 109.8
39 57.0 46.2 69.4





#49

1,4-Dioxane

Concen: 950.585 ug/l

RT: 9.694 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

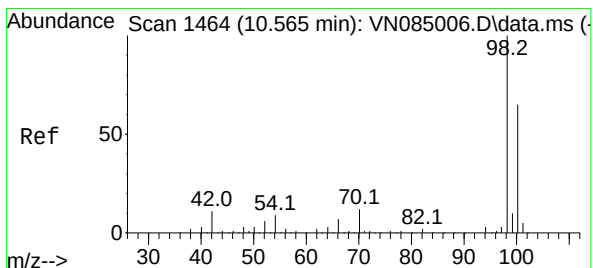
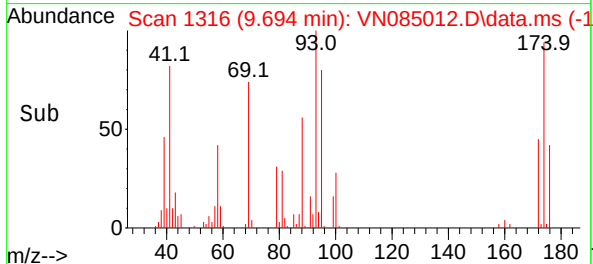
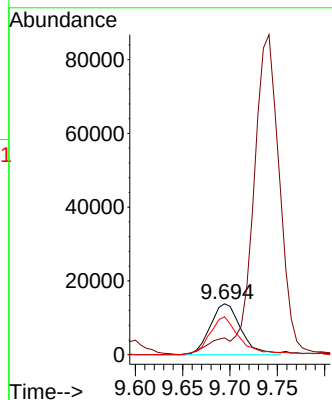
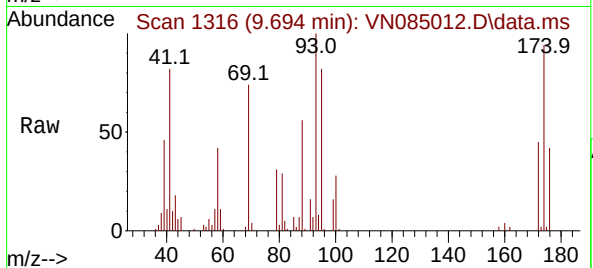
Tgt Ion: 88 Resp: 31078

Ion Ratio Lower Upper

88 100

43 0.0 16.7 25.1#

58 73.0 56.5 84.7



#50

Toluene-d8

Concen: 53.488 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. -0.006 min

Lab File: VN085012.D

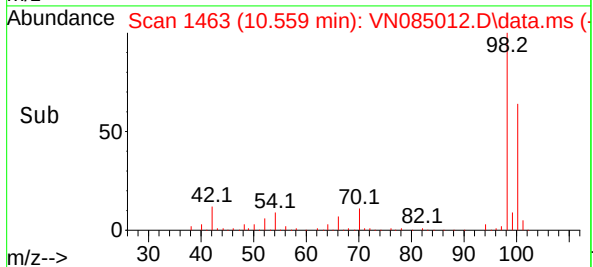
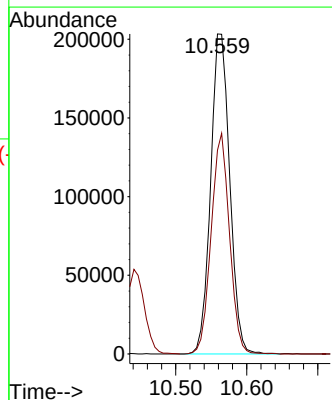
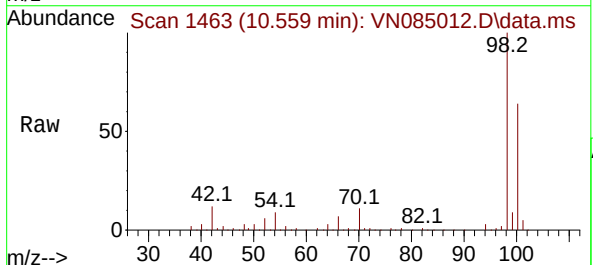
Acq: 22 Nov 2024 16:07

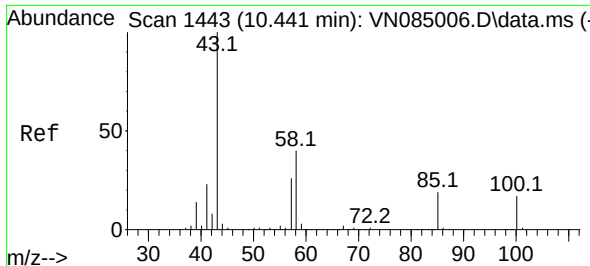
Tgt Ion: 98 Resp: 379679

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7

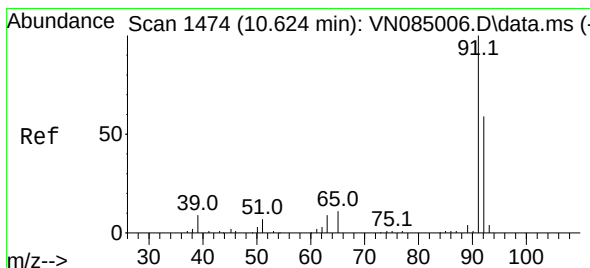
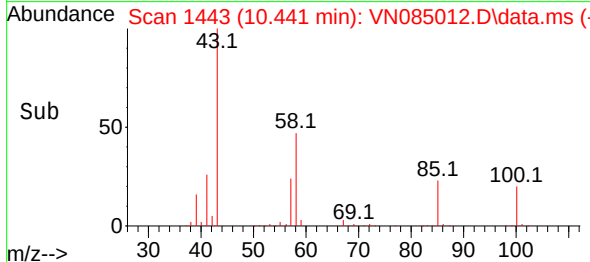
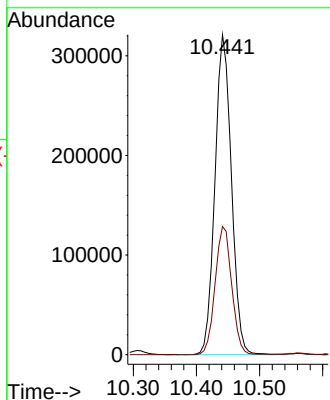
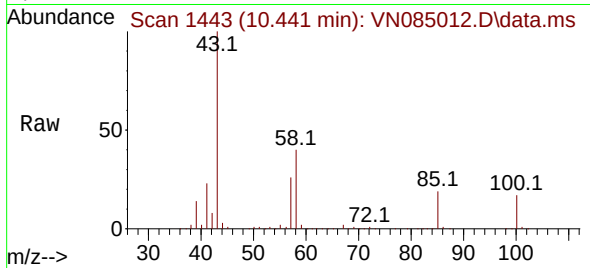




#51
4-Methyl-2-Pentanone
Concen: 251.720 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

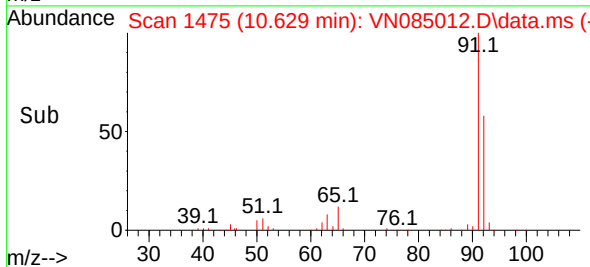
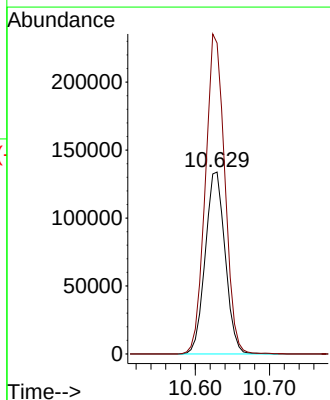
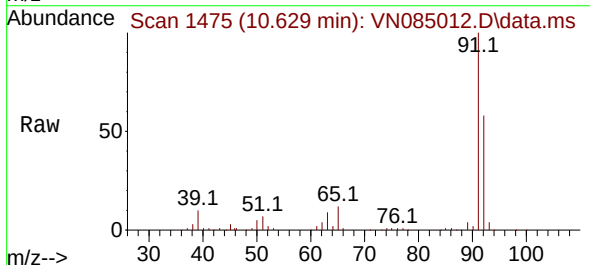
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

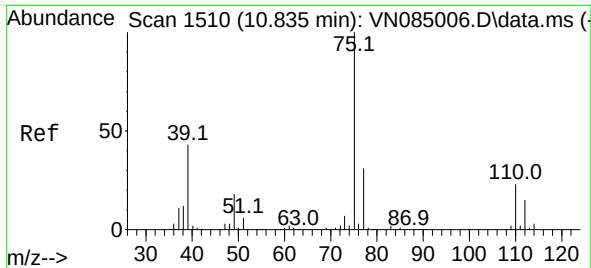
Tgt Ion: 43 Resp: 582480
Ion Ratio Lower Upper
43 100
58 40.4 32.1 48.1



#52
Toluene
Concen: 49.682 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 92 Resp: 249568
Ion Ratio Lower Upper
92 100
91 171.9 136.7 205.1

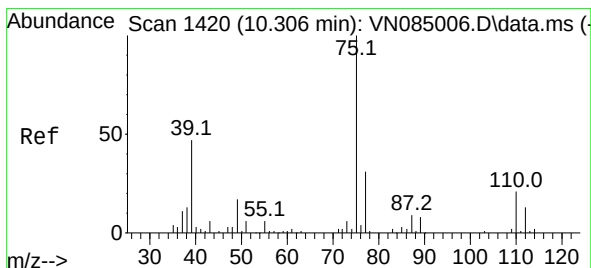
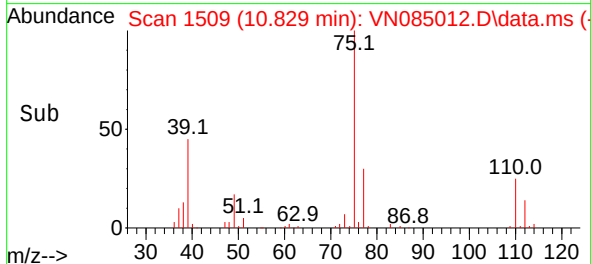
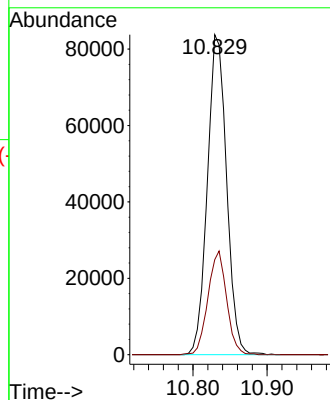
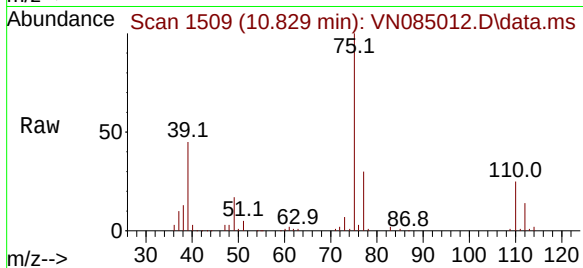




#53
t-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 10.829 min Scan# 1510
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

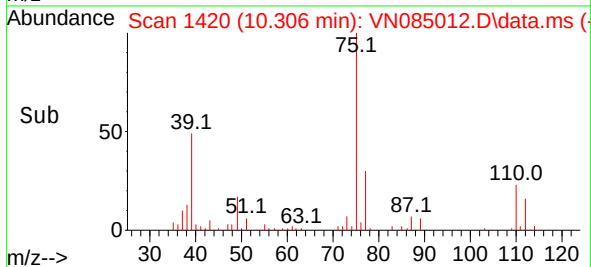
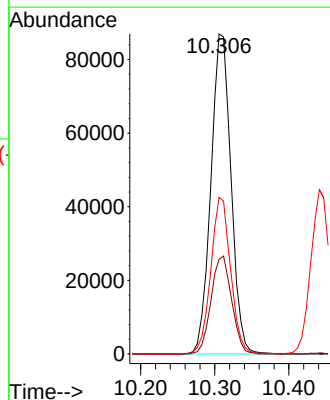
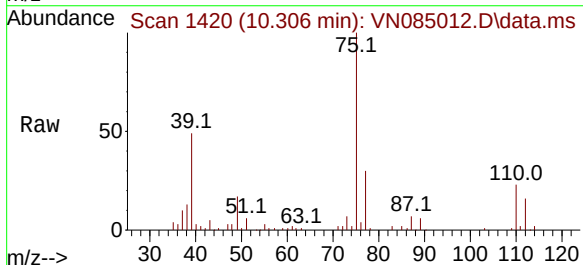
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

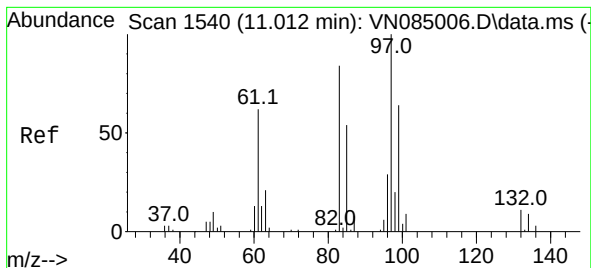
Tgt Ion: 75 Resp: 150836
Ion Ratio Lower Upper
75 100
77 29.7 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 50.100 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 164009
Ion Ratio Lower Upper
75 100
77 29.6 25.0 37.4
39 48.9 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 49.287 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

Tgt Ion: 97 Resp: 92219

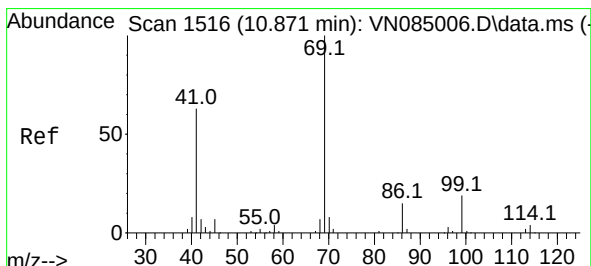
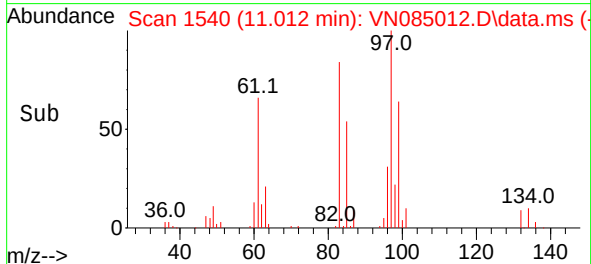
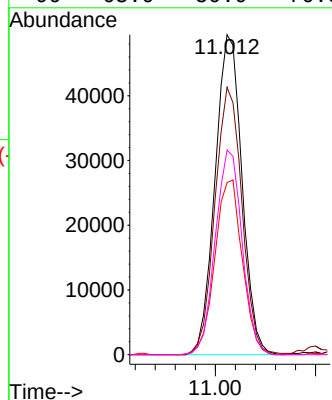
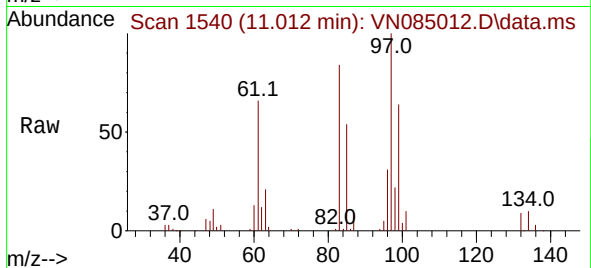
Ion Ratio Lower Upper

97 100

83 83.5 67.4 101.2

85 53.8 43.1 64.7

99 63.9 50.9 76.3



#56

Ethyl methacrylate

Concen: 54.694 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

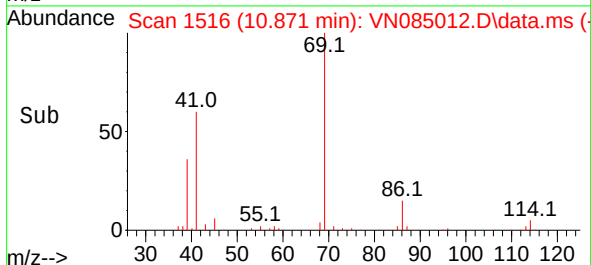
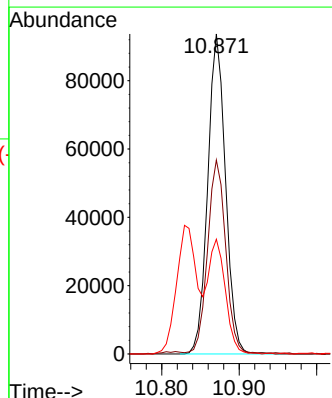
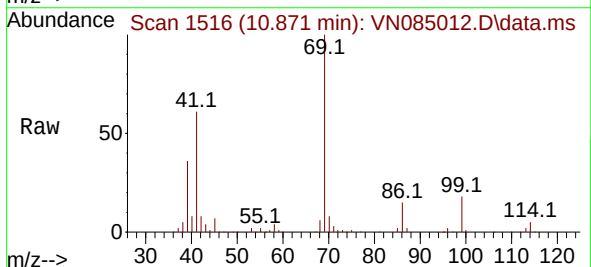
Tgt Ion: 69 Resp: 149537

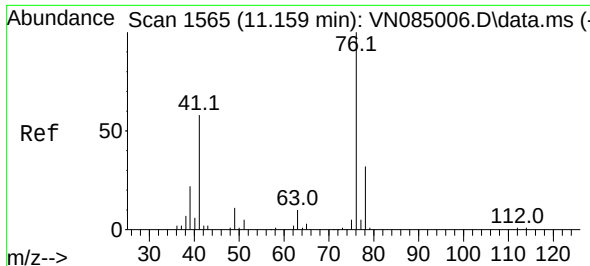
Ion Ratio Lower Upper

69 100

41 61.1 50.0 75.0

39 34.6 27.0 40.6

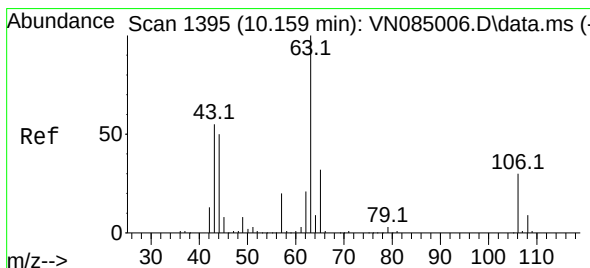
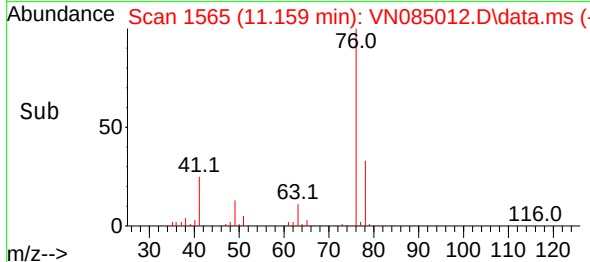
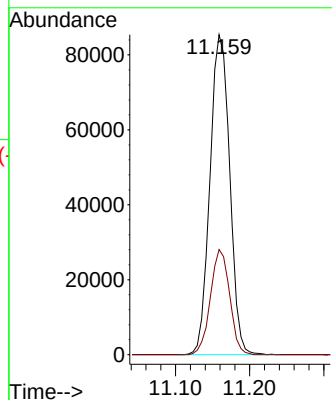
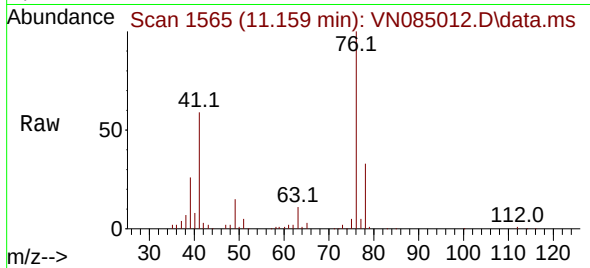




#57
1,3-Dichloropropane
Concen: 47.980 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

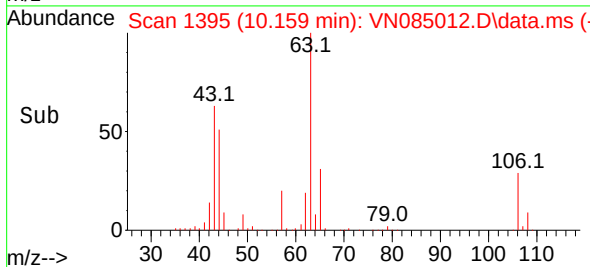
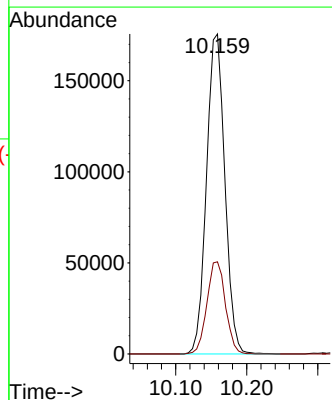
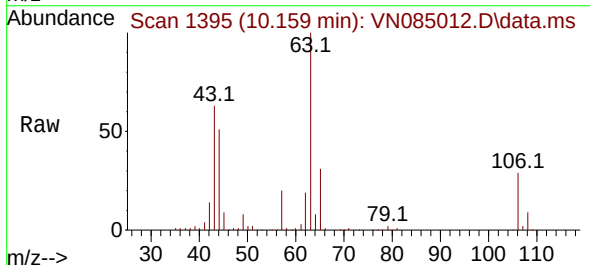
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

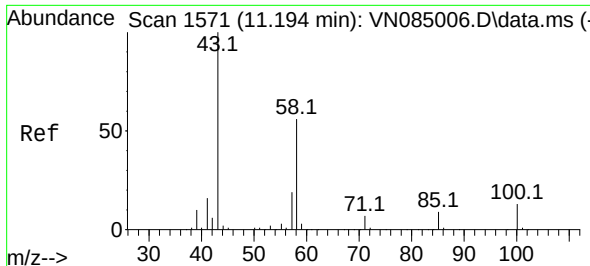
Tgt Ion: 76 Resp: 158000
Ion Ratio Lower Upper
76 100
78 32.0 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 235.323 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 63 Resp: 315602
Ion Ratio Lower Upper
63 100
106 29.1 23.0 34.6





#59

2-Hexanone

Concen: 256.983 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

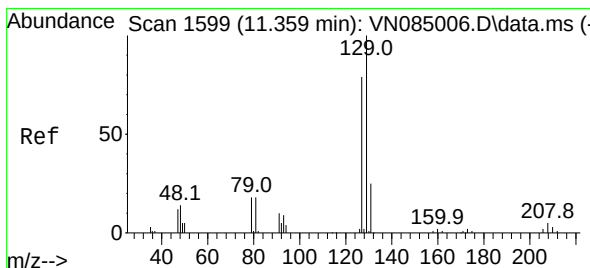
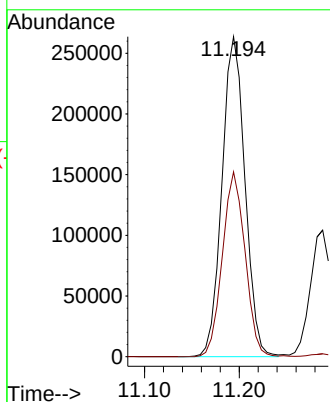
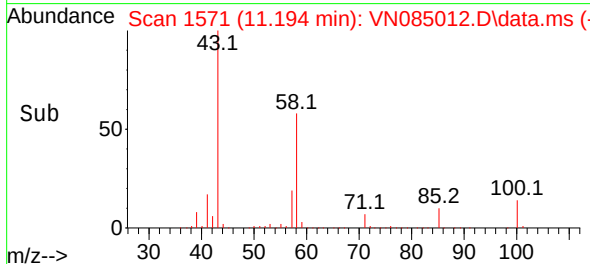
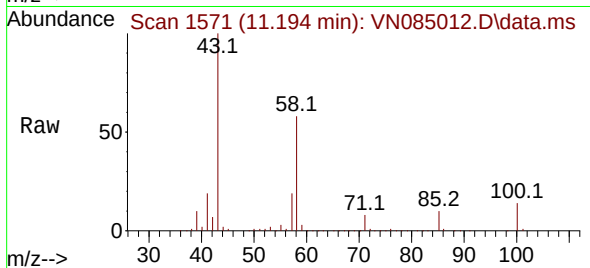
ICVVN112224

Tgt Ion: 43 Resp: 444749

Ion Ratio Lower Upper

43 100

58 56.9 28.3 85.0



#60

Dibromochloromethane

Concen: 47.650 ug/l

RT: 11.359 min Scan# 1599

Delta R.T. -0.000 min

Lab File: VN085012.D

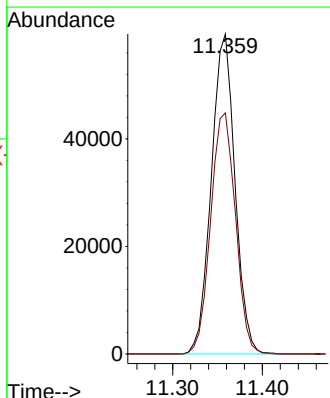
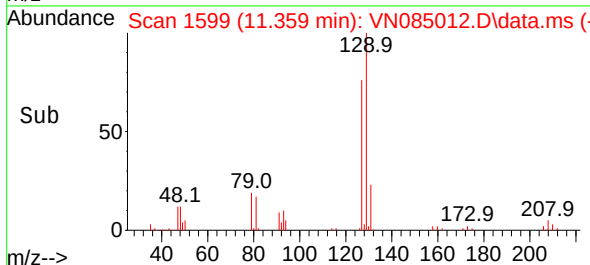
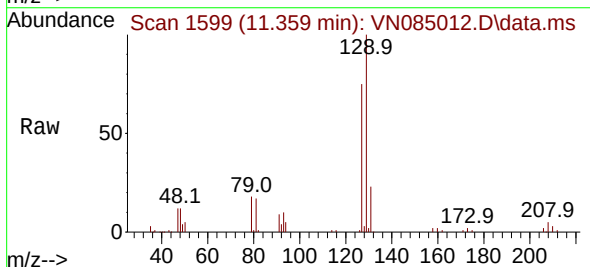
Acq: 22 Nov 2024 16:07

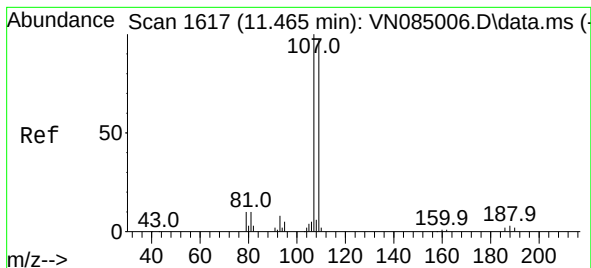
Tgt Ion:129 Resp: 108961

Ion Ratio Lower Upper

129 100

127 79.0 39.2 117.6

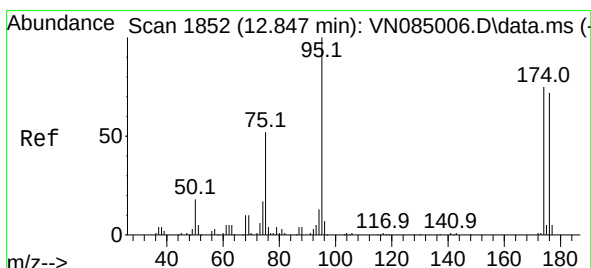
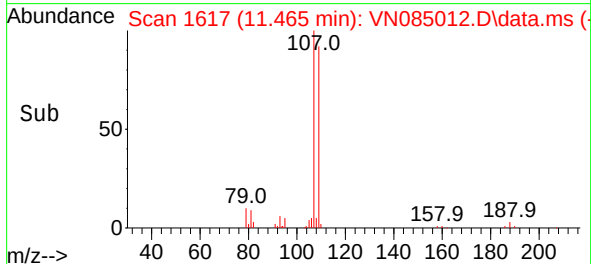
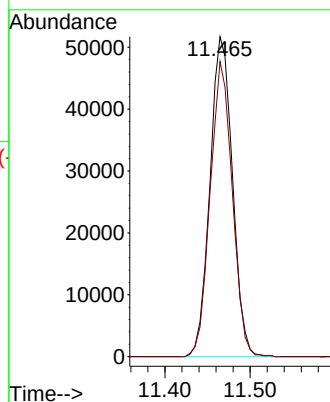
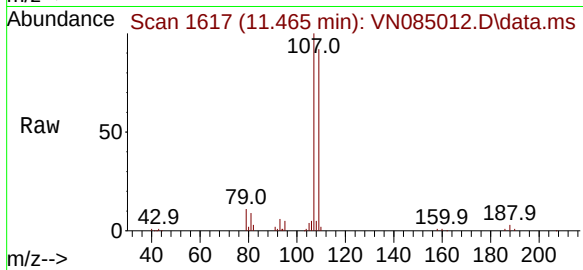




#61
1,2-Dibromoethane
Concen: 48.883 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

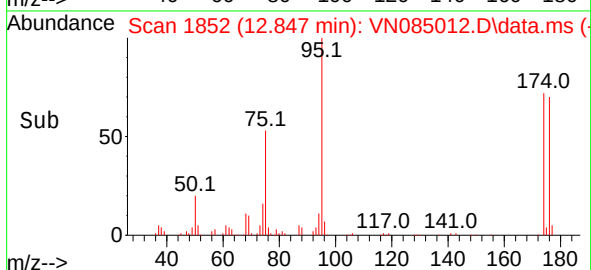
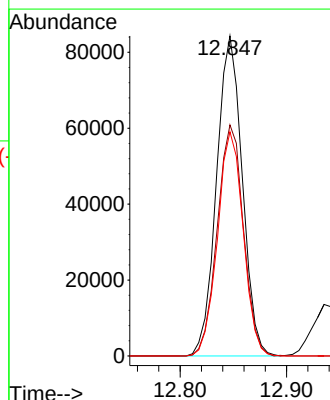
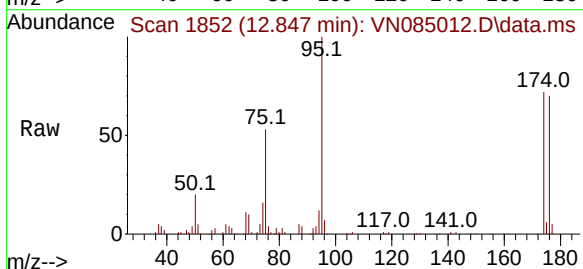
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

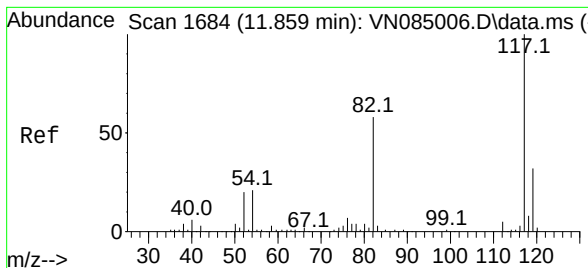
Tgt Ion:107 Resp: 94657
Ion Ratio Lower Upper
107 100
109 90.8 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 53.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 95 Resp: 141423
Ion Ratio Lower Upper
95 100
174 73.4 0.0 146.6
176 69.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

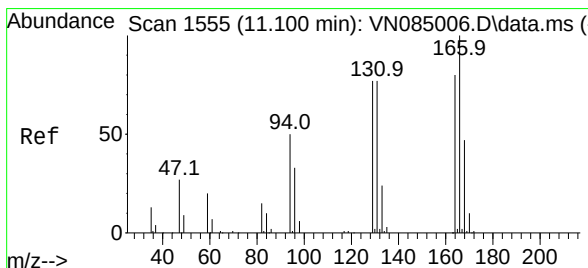
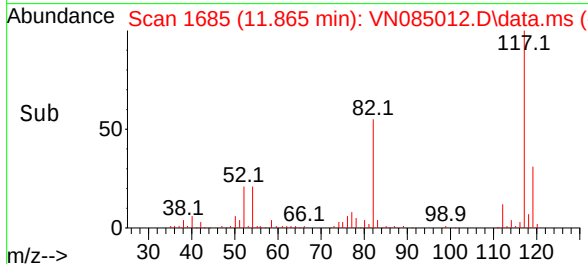
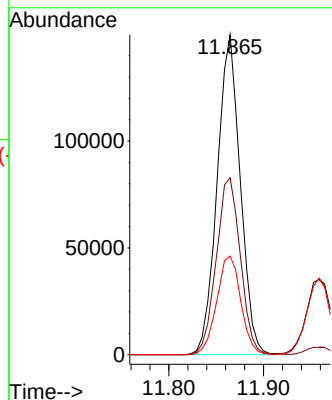
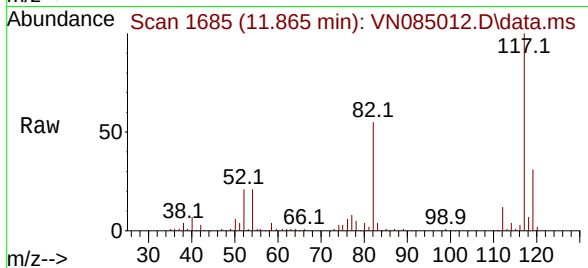
Tgt Ion:117 Resp: 254182

Ion Ratio Lower Upper

117 100

82 55.3 46.0 69.0

119 30.8 25.6 38.4



#64

Tetrachloroethene

Concen: 48.316 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Tgt Ion:164 Resp: 82753

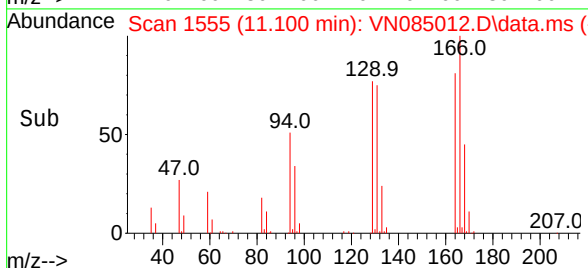
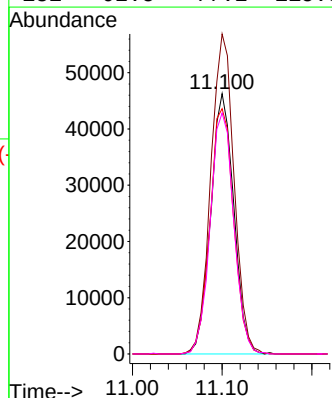
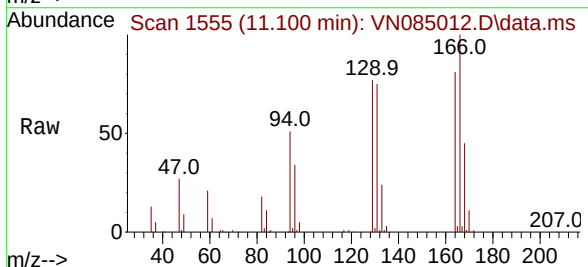
Ion Ratio Lower Upper

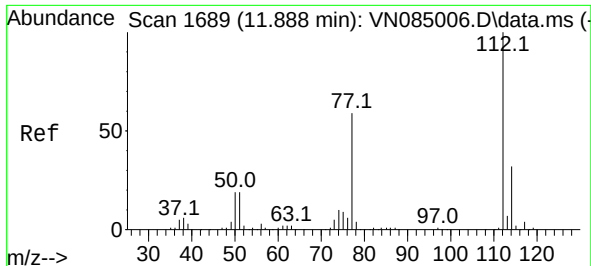
164 100

166 122.9 100.6 151.0

129 94.2 77.7 116.5

131 92.5 77.2 115.8





#65

Chlorobenzene

Concen: 45.936 ug/l

RT: 11.888 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

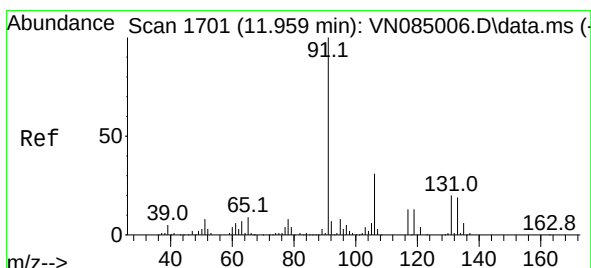
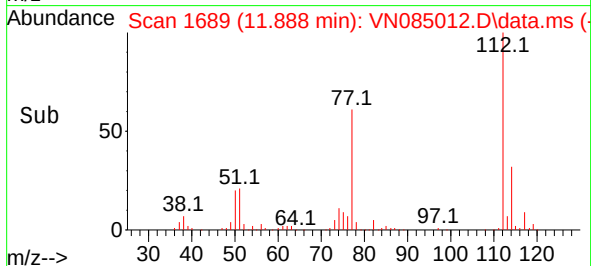
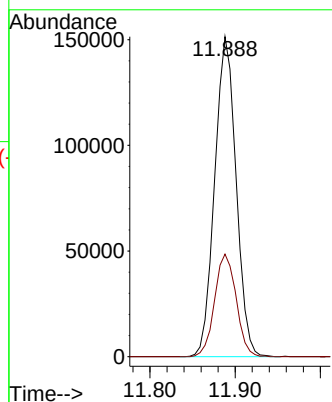
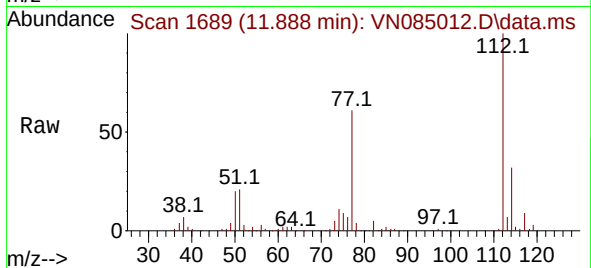
ICVVN112224

Tgt Ion:112 Resp: 264798

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 46.991 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

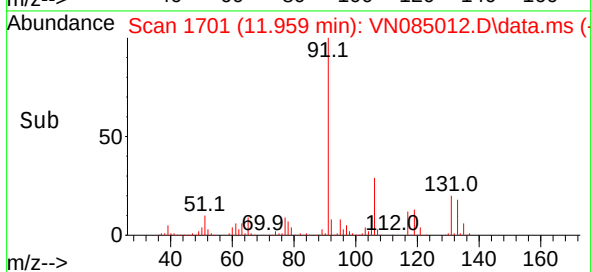
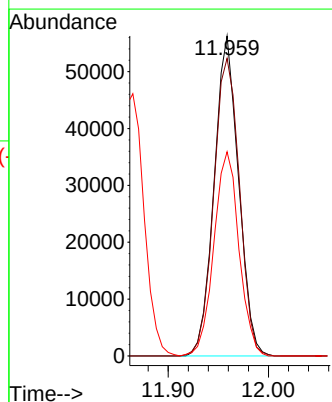
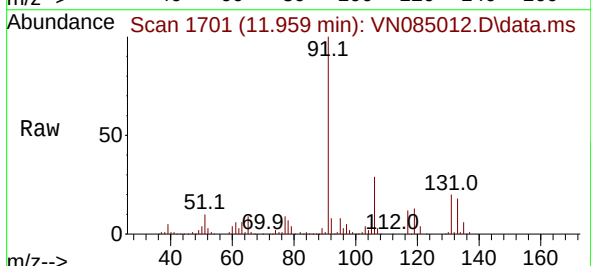
Tgt Ion:131 Resp: 95374

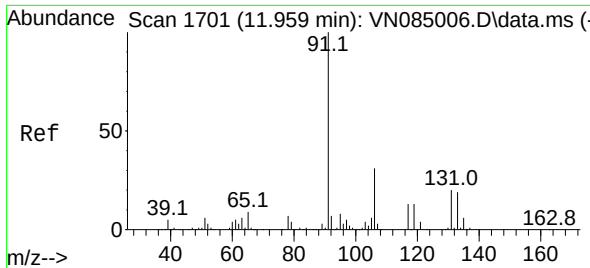
Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 65.5 32.1 96.3

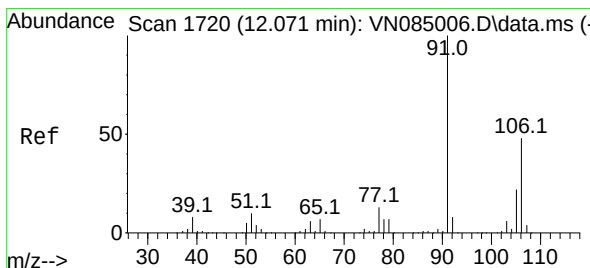
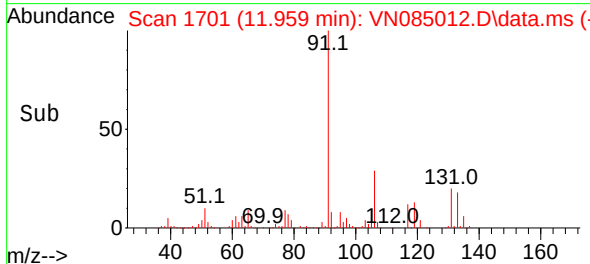
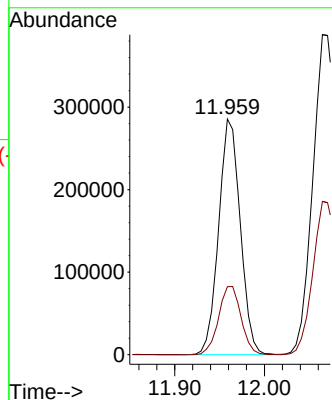
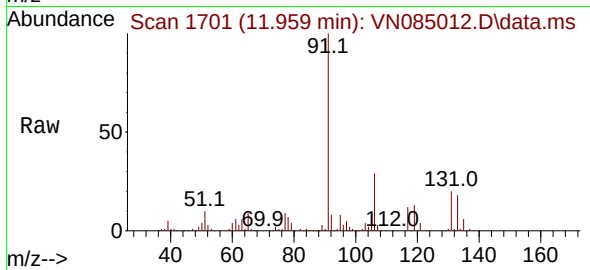




#67
Ethyl Benzene
Concen: 51.046 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

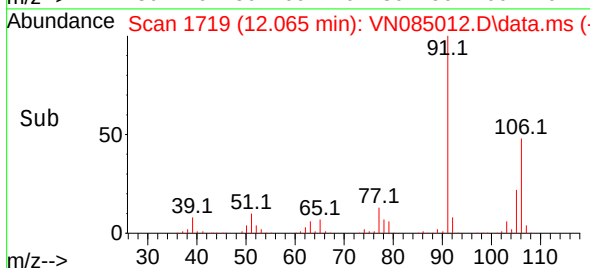
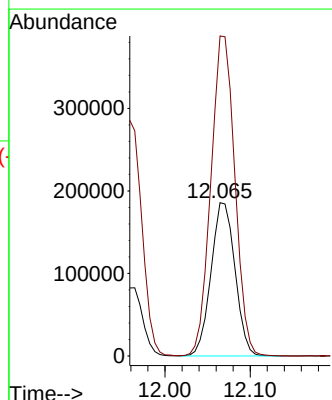
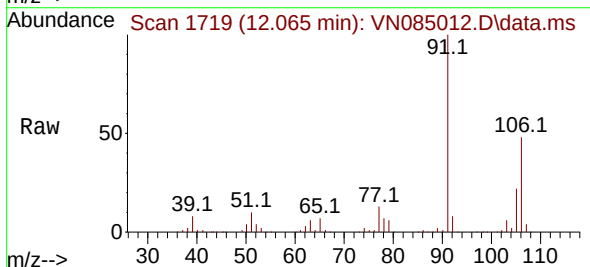
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

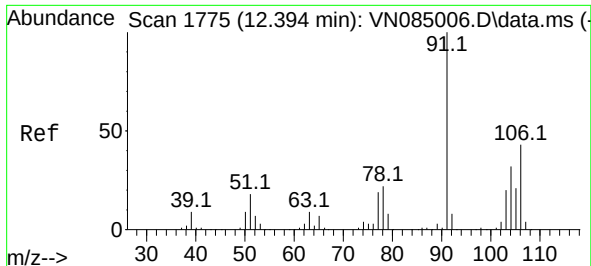
Tgt Ion: 91 Resp: 477400
Ion Ratio Lower Upper
91 100
106 28.8 24.7 37.1



#68
m/p-Xylenes
Concen: 101.951 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:106 Resp: 363006
Ion Ratio Lower Upper
106 100
91 209.0 168.0 252.0





#69

o-Xylene

Concen: 51.086 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

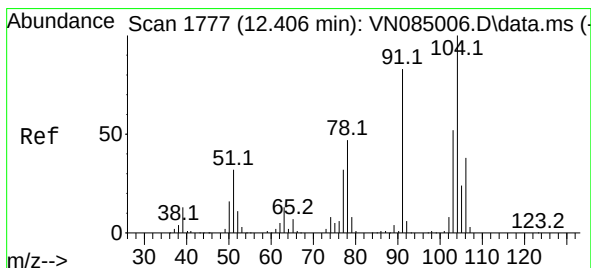
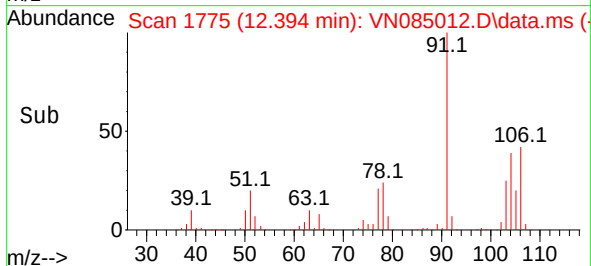
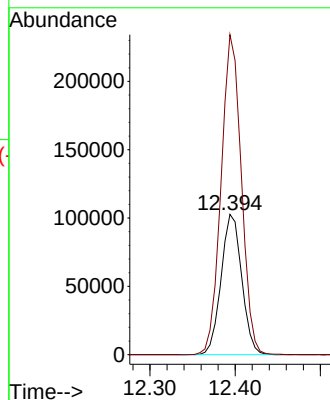
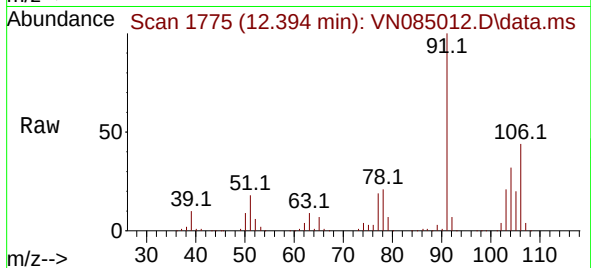
ICVVN112224

Tgt Ion:106 Resp: 173028

Ion Ratio Lower Upper

106 100

91 223.8 110.7 331.9



#70

Styrene

Concen: 52.687 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

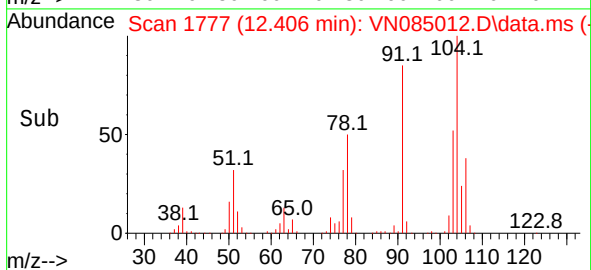
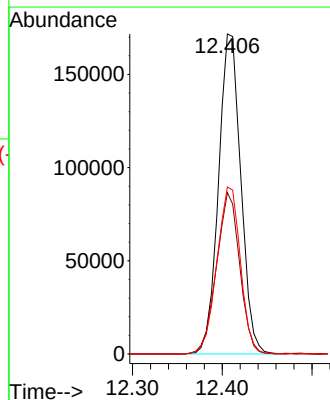
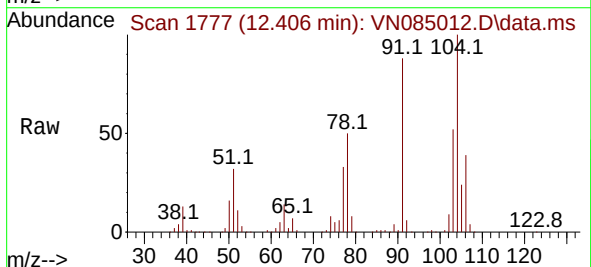
Tgt Ion:104 Resp: 296759

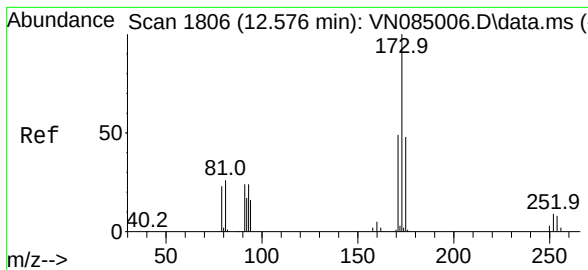
Ion Ratio Lower Upper

104 100

78 52.3 42.3 63.5

103 55.0 44.2 66.2

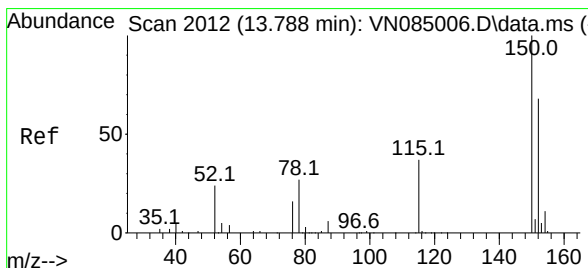
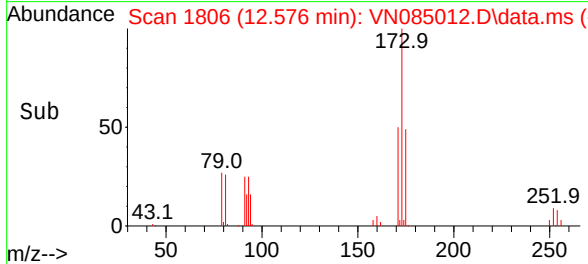
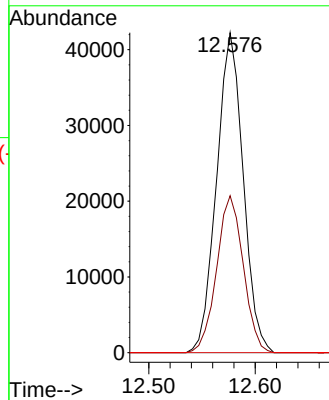
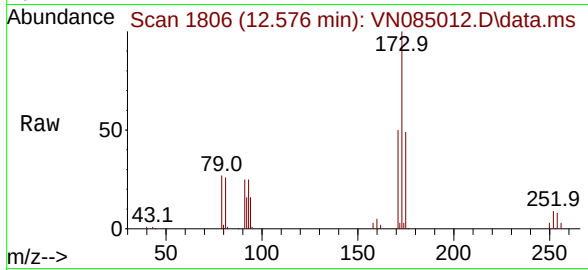




#71
Bromoform
Concen: 48.617 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

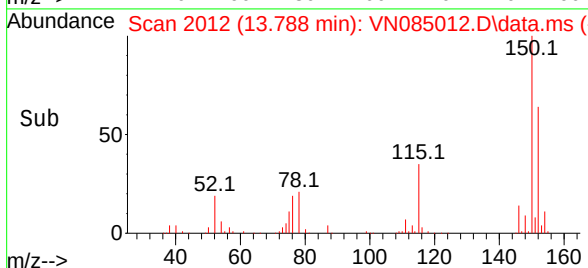
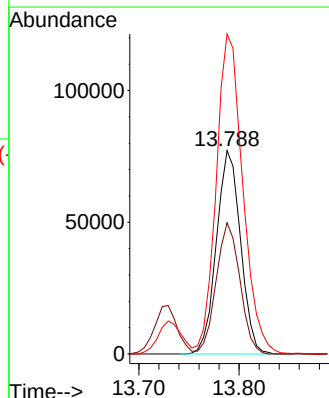
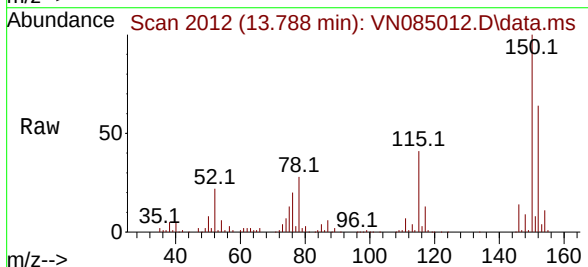
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

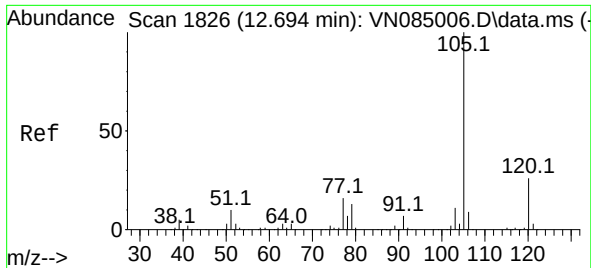
Tgt Ion:173 Resp: 73244
Ion Ratio Lower Upper
173 100
175 49.0 23.8 71.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:152 Resp: 128770
Ion Ratio Lower Upper
152 100
115 63.6 31.7 95.1
150 173.6 0.0 351.4

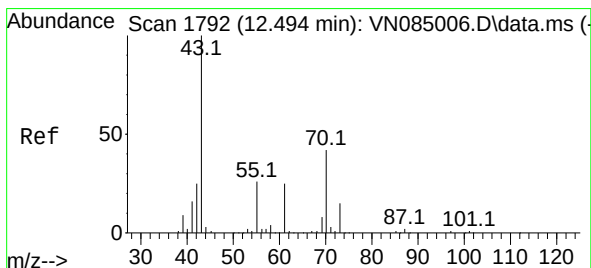
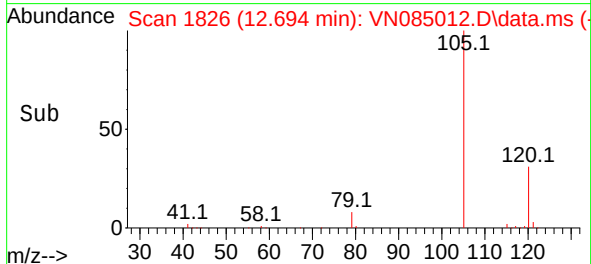
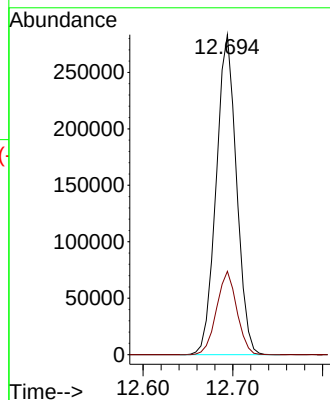
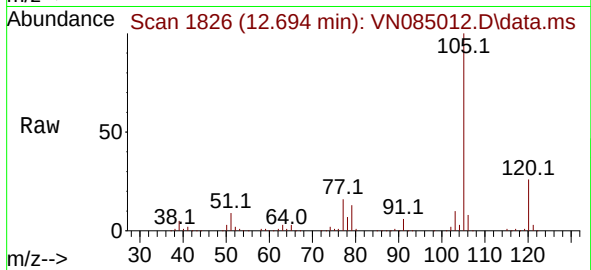




#73
Isopropylbenzene
Concen: 49.014 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

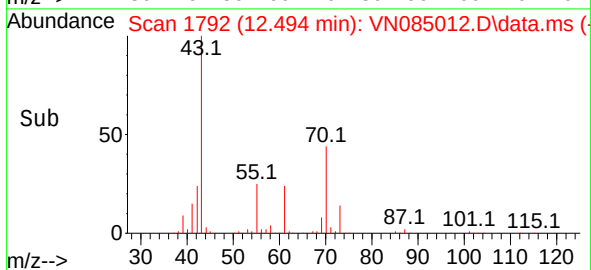
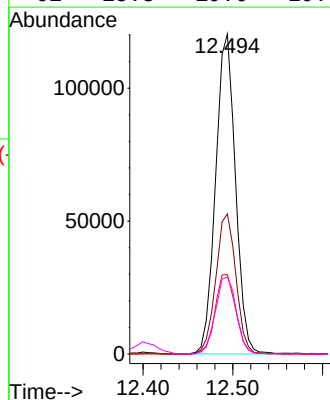
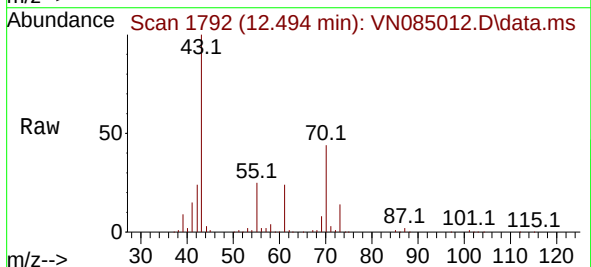
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

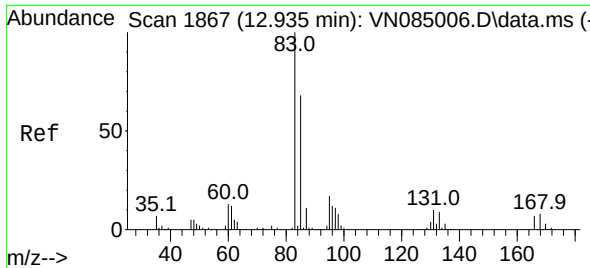
Tgt Ion:105 Resp: 445261
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0



#74
N-ethyl acetate
Concen: 49.418 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 43 Resp: 184990
Ion Ratio Lower Upper
43 100
70 44.4 34.6 51.8
55 25.8 20.5 30.7
61 25.3 19.6 29.4

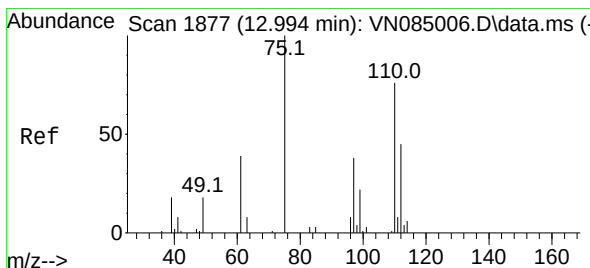
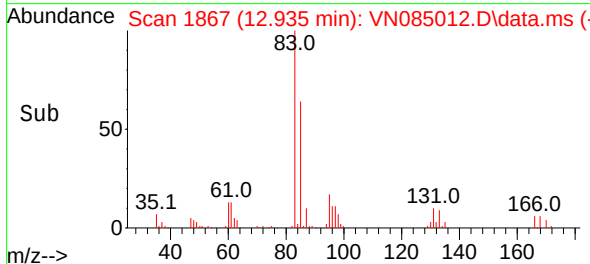
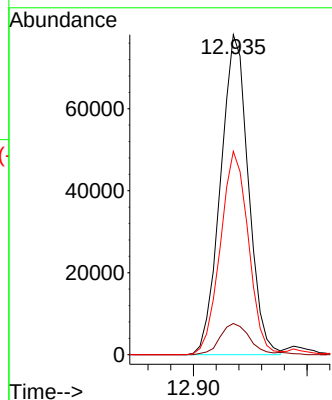
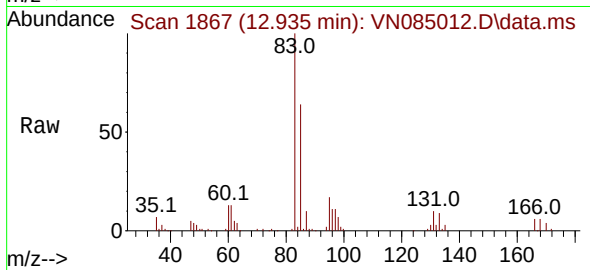




#75
1,1,2,2-Tetrachloroethane
Concen: 42.796 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

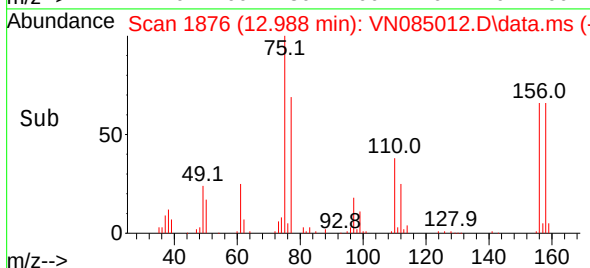
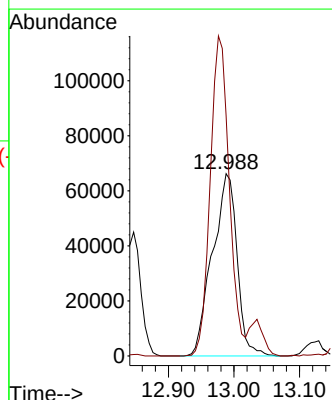
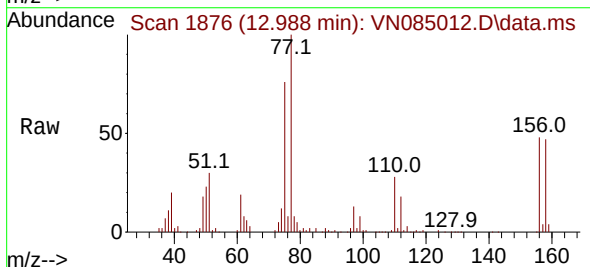
Instrument : MSVOA_N
ClientSampleId : ICVVN112224

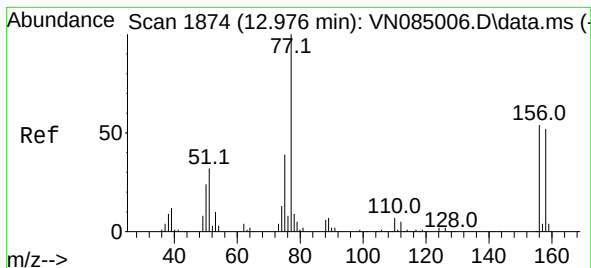
Tgt Ion: 83 Resp: 132755
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.4
85 64.0 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 73.722 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. -0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 75 Resp: 172673
Ion Ratio Lower Upper
75 100
77 135.8 109.1 327.4





#77

Bromobenzene

Concen: 44.410 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

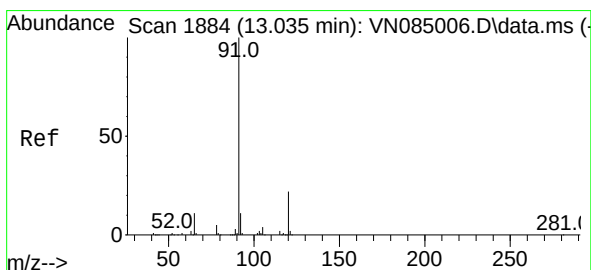
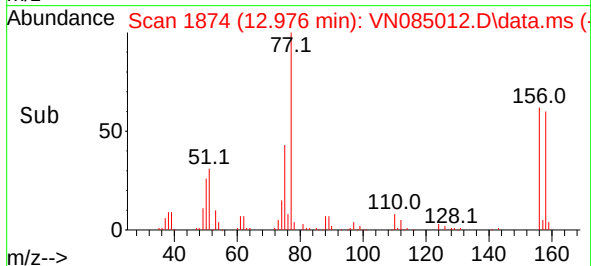
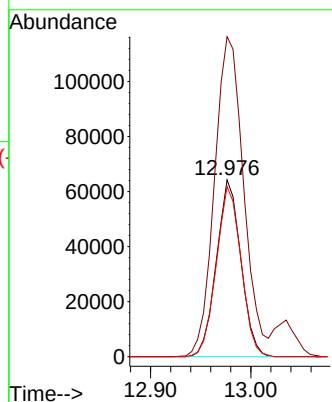
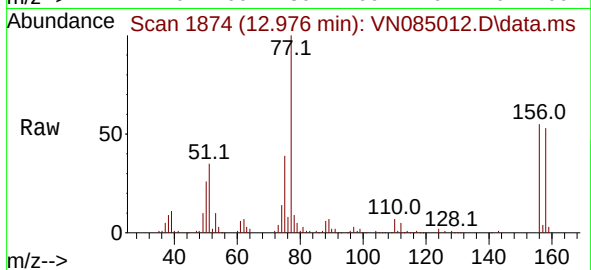
Tgt Ion:156 Resp: 108566

Ion Ratio Lower Upper

156 100

77 216.1 107.2 321.6

158 97.6 48.5 145.6



#78

n-propylbenzene

Concen: 50.160 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085012.D

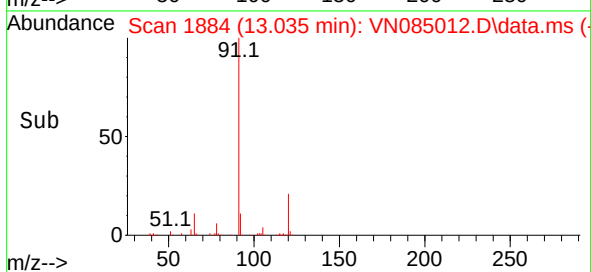
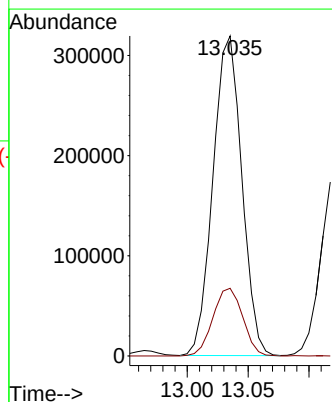
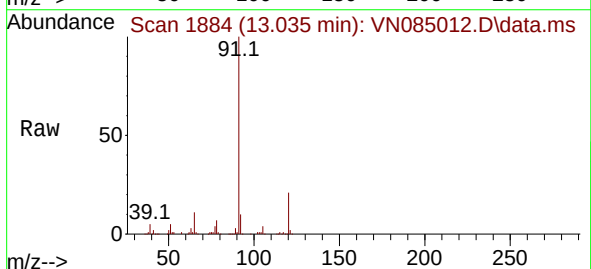
Acq: 22 Nov 2024 16:07

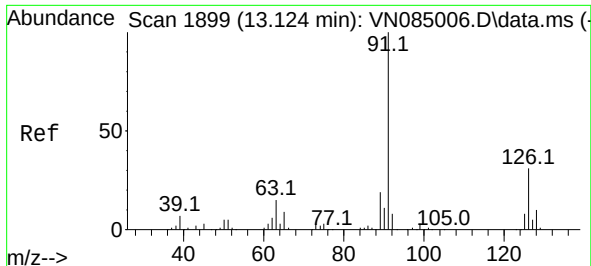
Tgt Ion: 91 Resp: 525567

Ion Ratio Lower Upper

91 100

120 21.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 46.409 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

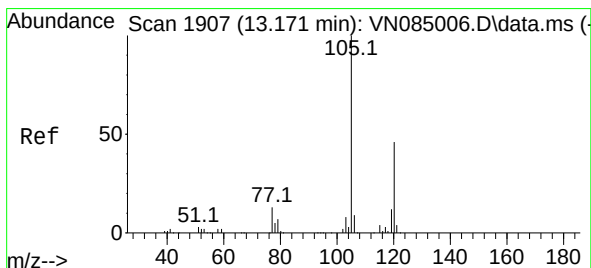
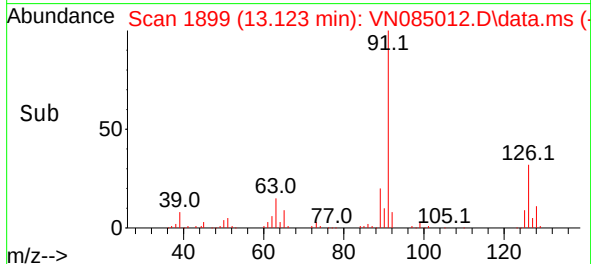
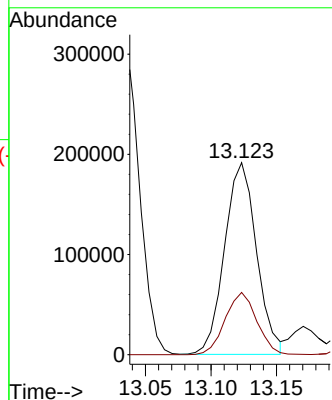
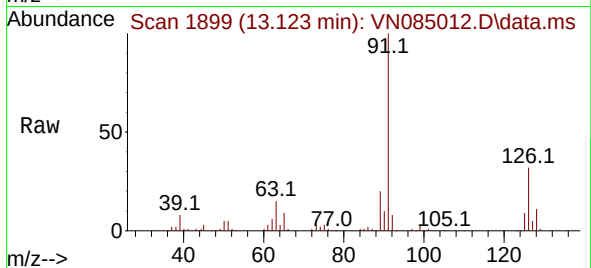
ICNVN112224

Tgt Ion: 91 Resp: 324611

Ion Ratio Lower Upper

91 100

126 32.2 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 50.220 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085012.D

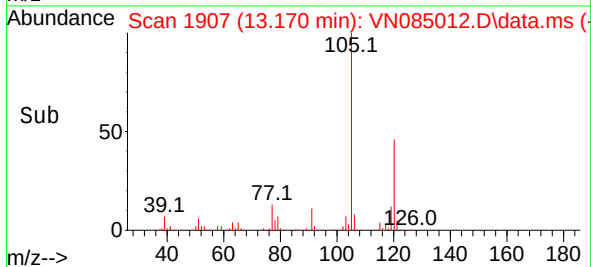
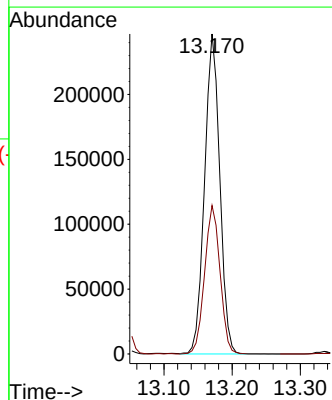
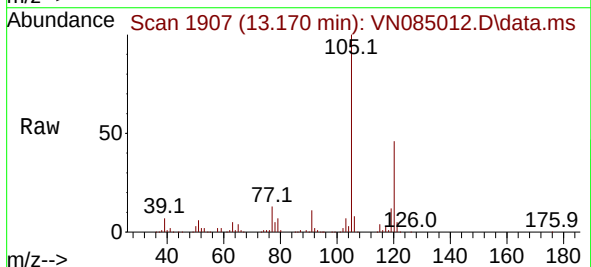
Acq: 22 Nov 2024 16:07

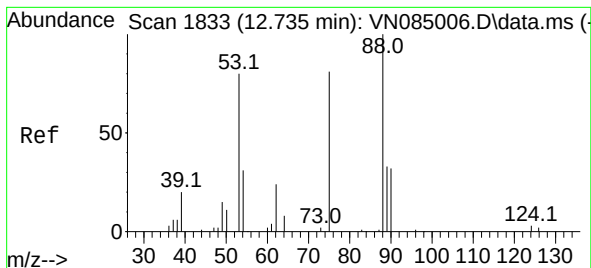
Tgt Ion:105 Resp: 382819

Ion Ratio Lower Upper

105 100

120 47.0 23.6 71.0

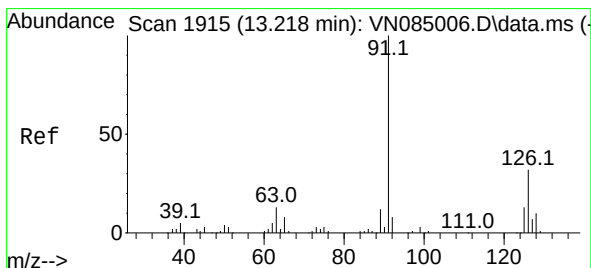
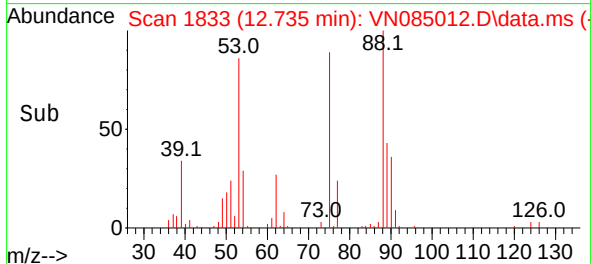
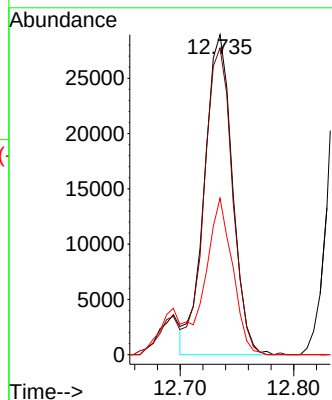
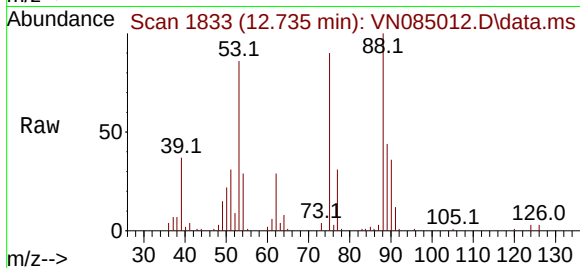




#81
trans-1,4-Dichloro-2-butene
Concen: 46.764 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

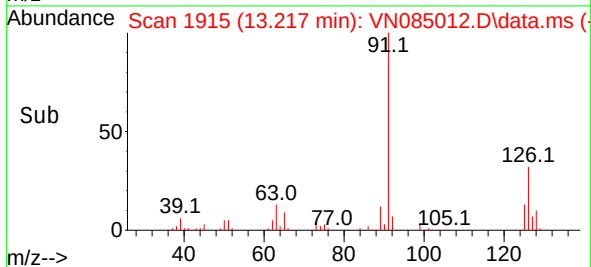
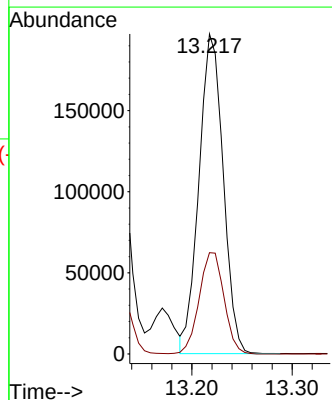
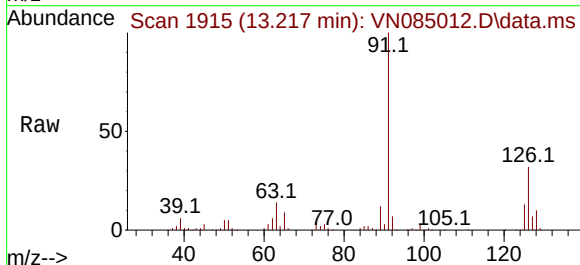
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

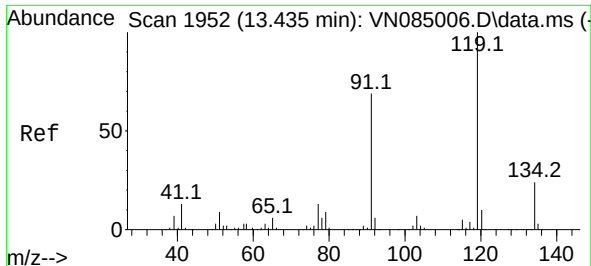
Tgt Ion: 75 Resp: 49617
Ion Ratio Lower Upper
75 100
53 96.8 78.2 117.4
89 44.2 37.9 56.9



#82
4-Chlorotoluene
Concen: 45.496 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion: 91 Resp: 331271
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.3

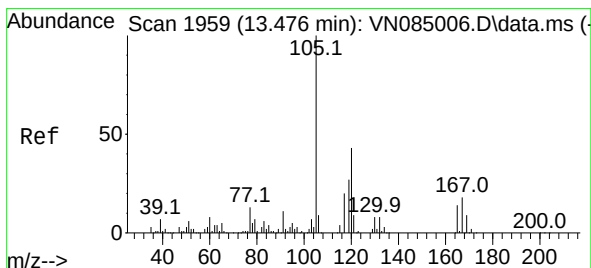
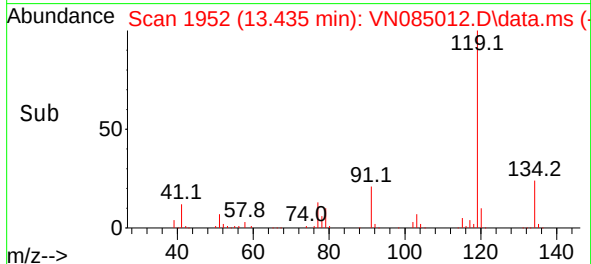
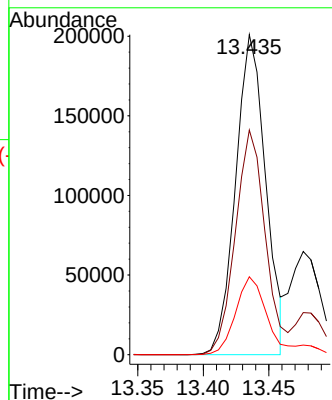
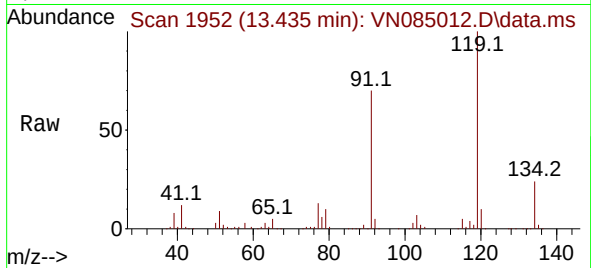




#83
tert-Butylbenzene
Concen: 48.939 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

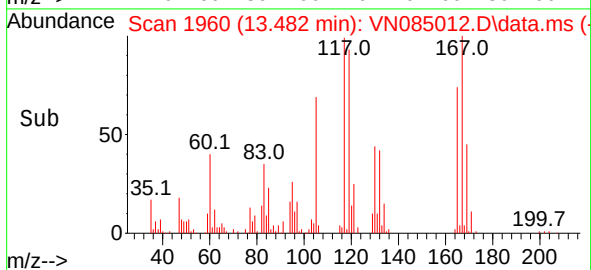
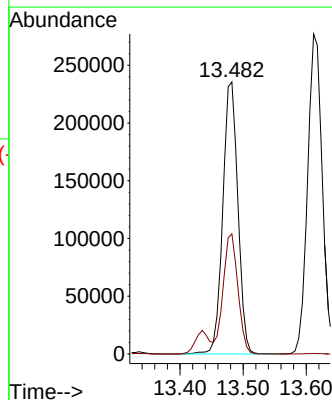
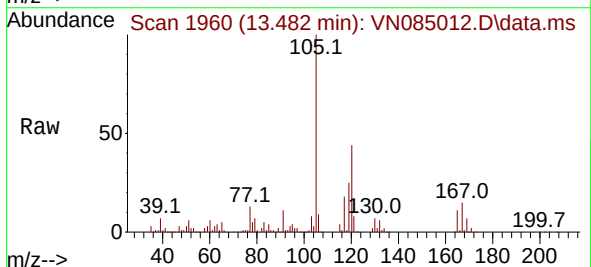
Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

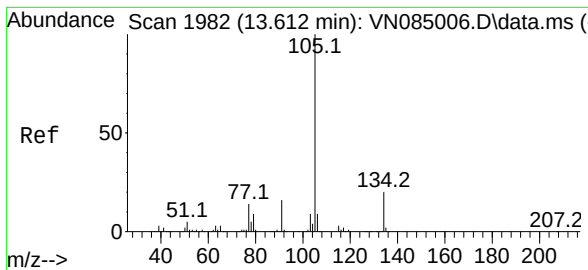
Tgt Ion:119 Resp: 320979
Ion Ratio Lower Upper
119 100
91 70.2 35.1 105.5
134 27.2 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 49.962 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:105 Resp: 392031
Ion Ratio Lower Upper
105 100
120 43.1 21.8 65.4

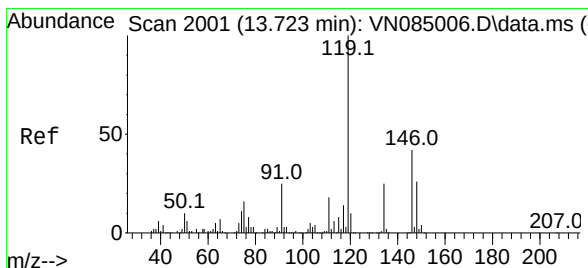
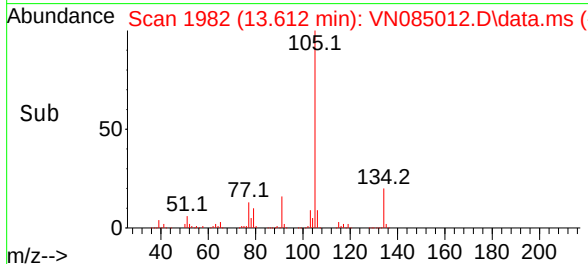
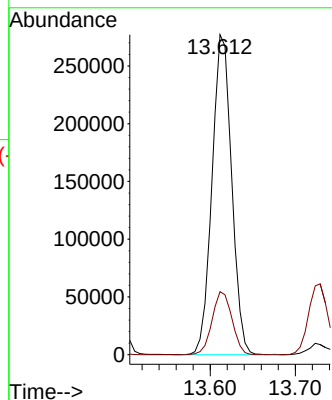
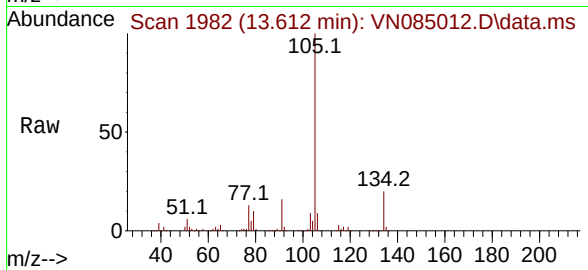




#85
 sec-Butylbenzene
 Concen: 50.166 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

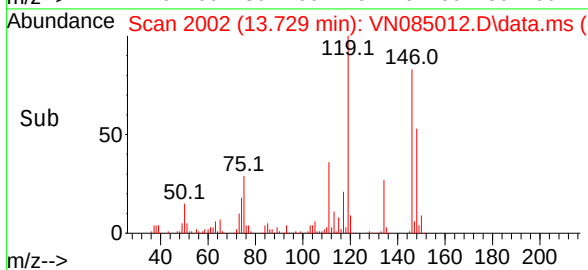
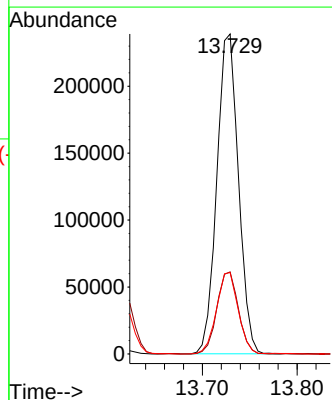
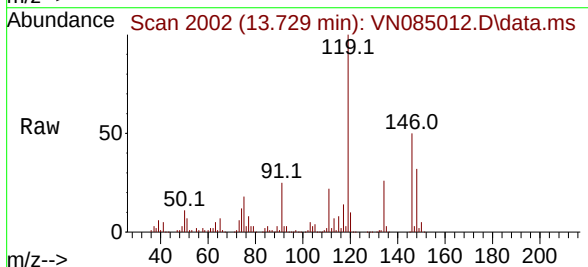
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

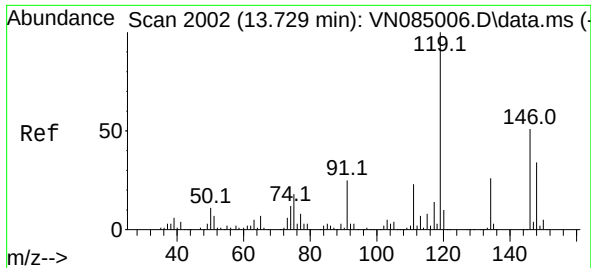
Tgt Ion:105 Resp: 444471
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 51.719 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085012.D
 Acq: 22 Nov 2024 16:07

Tgt Ion:119 Resp: 378270
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 39.0
 91 25.6 12.8 38.4

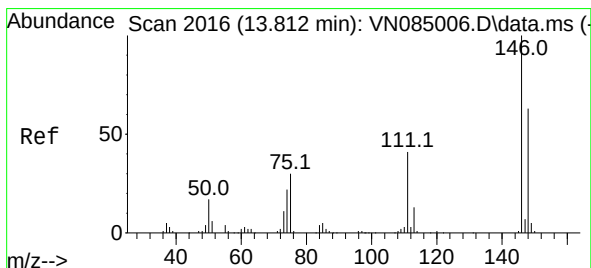
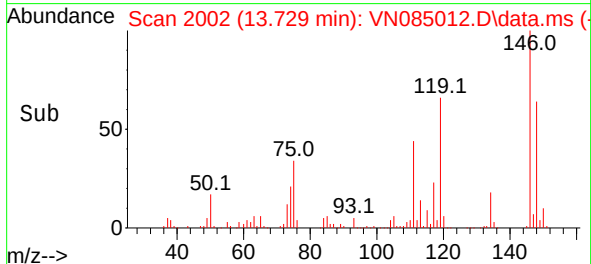
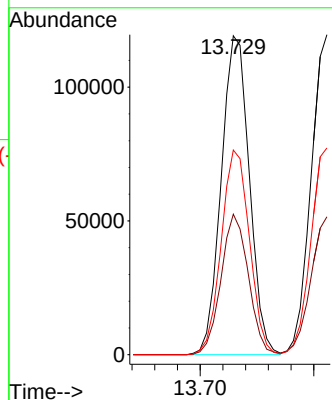
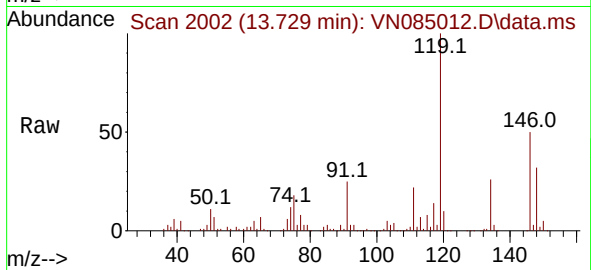




#87
1,3-Dichlorobenzene
Concen: 42.459 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

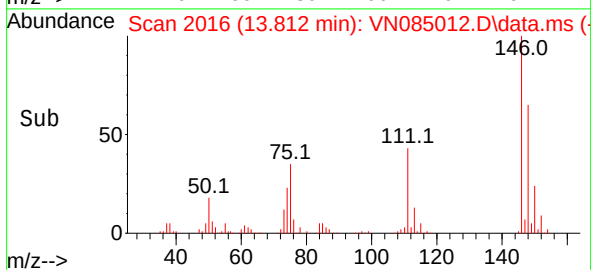
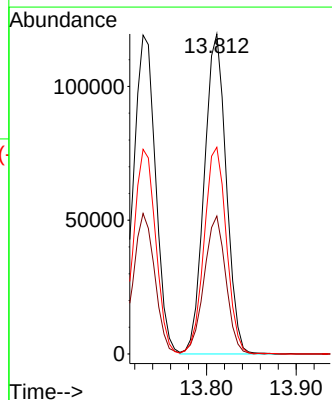
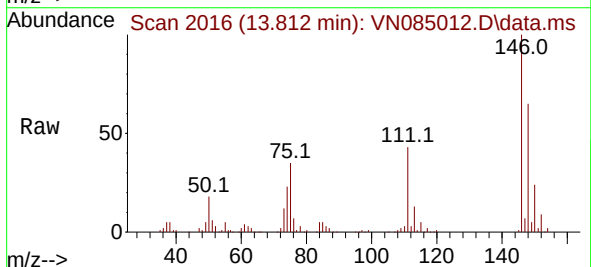
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

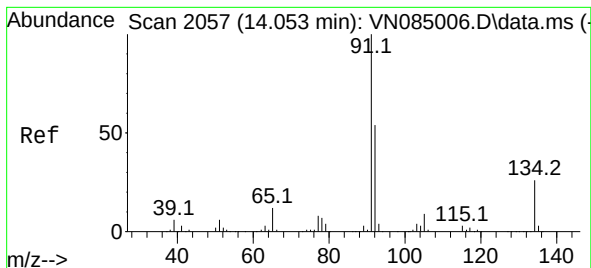
Tgt Ion:146 Resp: 204731
Ion Ratio Lower Upper
146 100
111 42.9 21.6 65.0
148 64.4 32.2 96.6



#88
1,4-Dichlorobenzene
Concen: 41.240 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:146 Resp: 202930
Ion Ratio Lower Upper
146 100
111 43.0 20.9 62.8
148 65.1 31.3 93.9





#89

n-Butylbenzene

Concen: 47.892 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

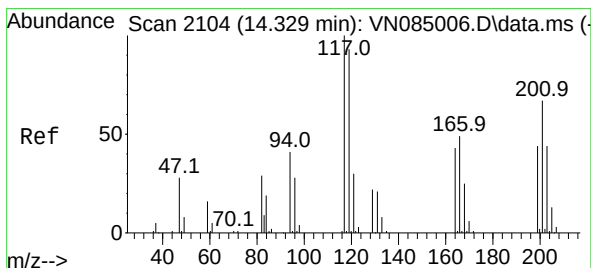
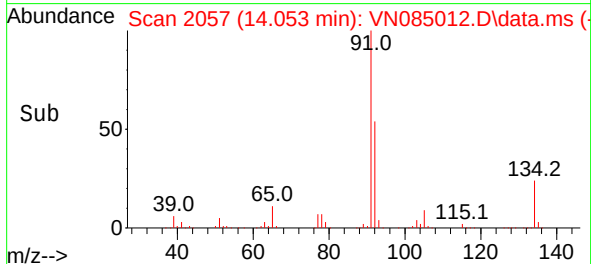
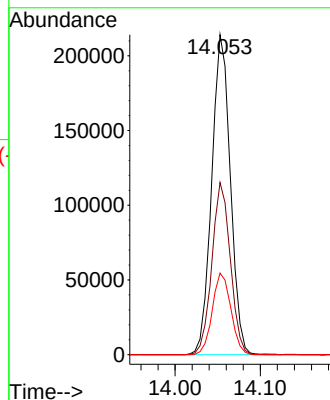
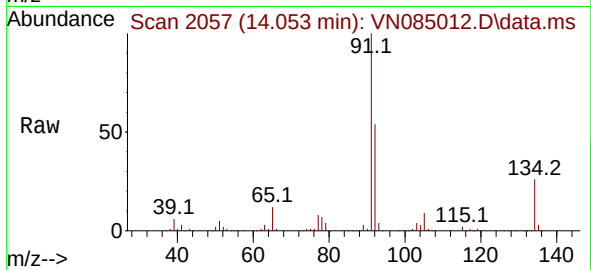
Tgt Ion: 91 Resp: 325752

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.3

134 25.4 12.8 38.4



#90

Hexachloroethane

Concen: 45.332 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN085012.D

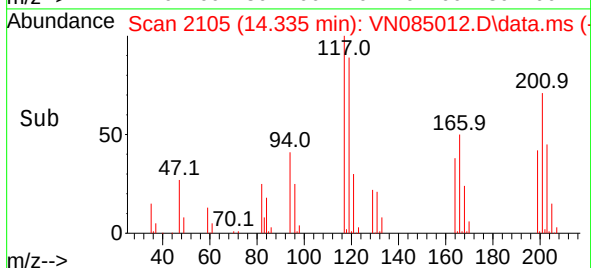
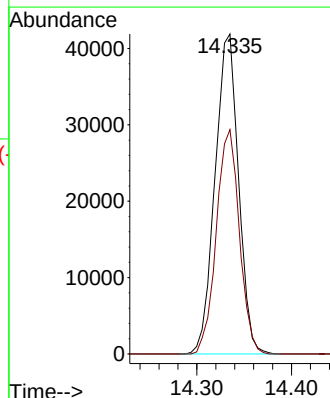
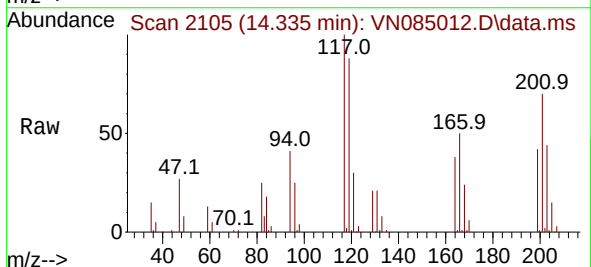
Acq: 22 Nov 2024 16:07

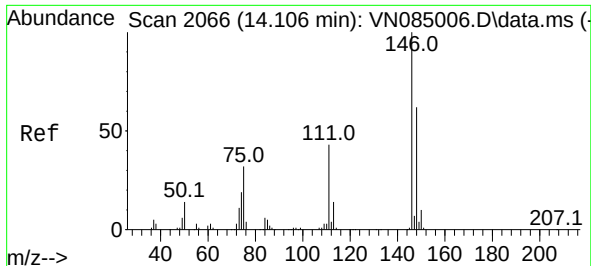
Tgt Ion:117 Resp: 72271

Ion Ratio Lower Upper

117 100

201 68.7 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 43.472 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112224

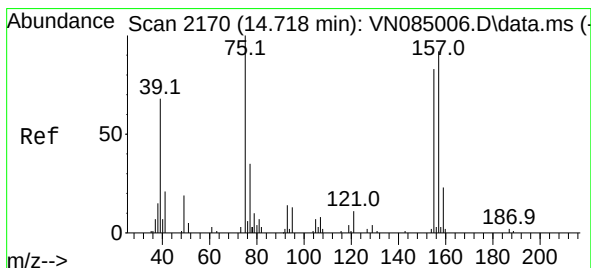
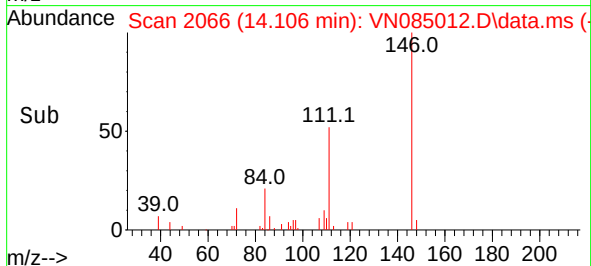
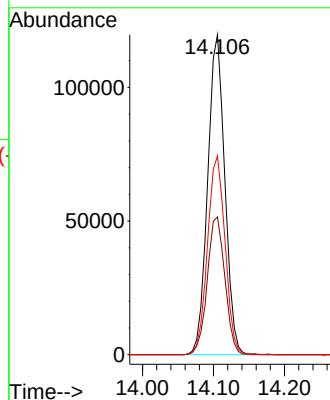
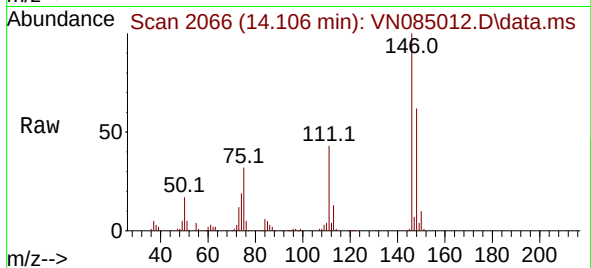
Tgt Ion:146 Resp: 200864

Ion Ratio Lower Upper

146 100

111 44.4 21.9 65.8

148 63.7 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.183 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

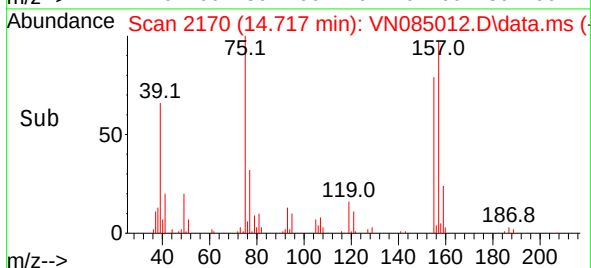
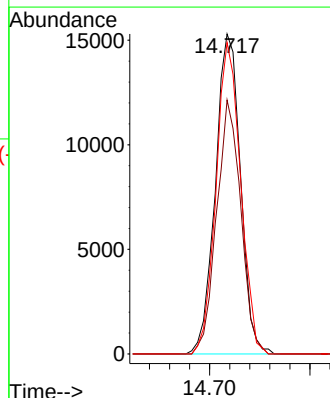
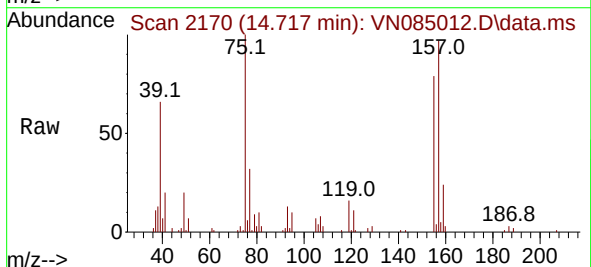
Tgt Ion: 75 Resp: 26503

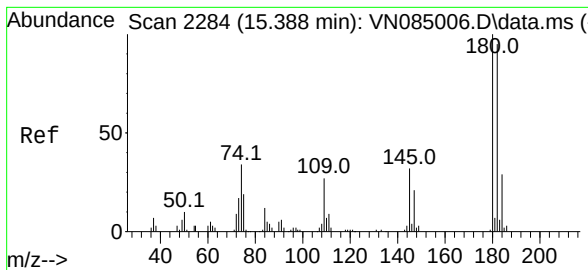
Ion Ratio Lower Upper

75 100

155 76.6 38.9 116.7

157 95.3 48.3 144.9

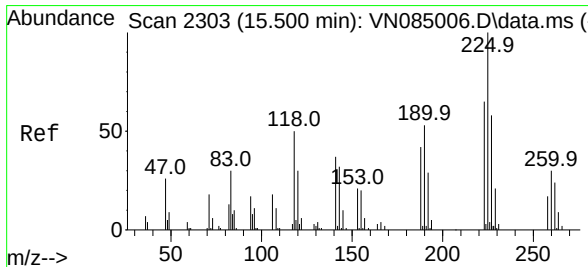
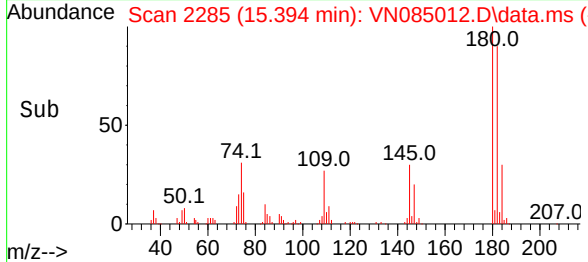
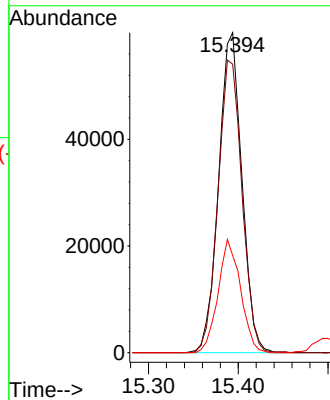
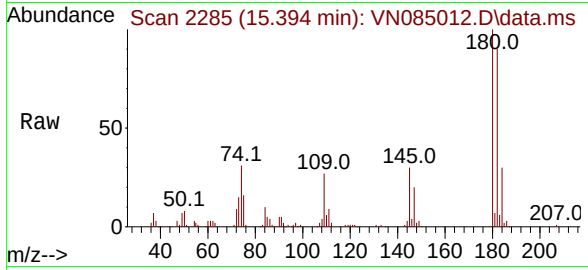




#93
1,2,4-Trichlorobenzene
Concen: 42.908 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

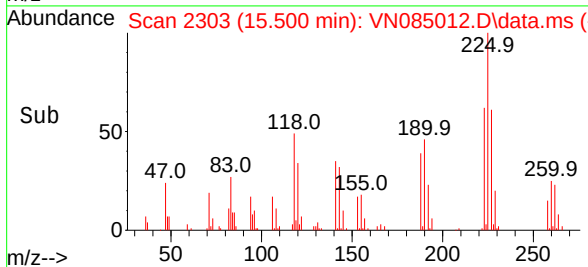
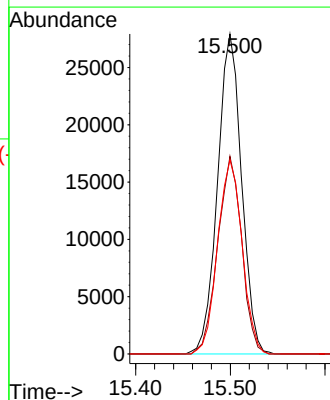
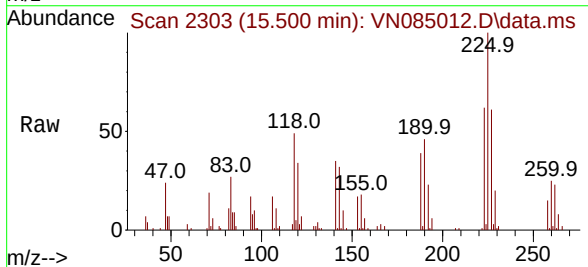
Instrument :
MSVOA_N
ClientSampleId :
ICNVN112224

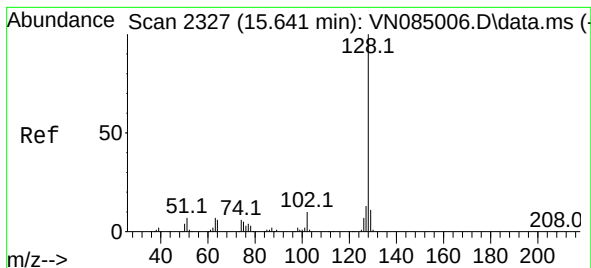
Tgt Ion:180 Resp: 107707
Ion Ratio Lower Upper
180 100
182 94.4 46.9 140.8
145 34.3 16.3 48.8



#94
Hexachlorobutadiene
Concen: 42.581 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085012.D
Acq: 22 Nov 2024 16:07

Tgt Ion:225 Resp: 49330
Ion Ratio Lower Upper
225 100
223 61.4 30.9 92.8
227 61.9 31.5 94.5





#95

Naphthalene

Concen: 46.067 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

ICNVN112224

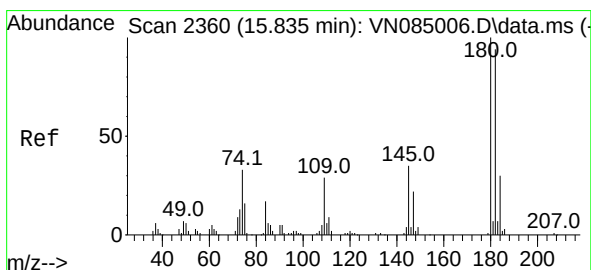
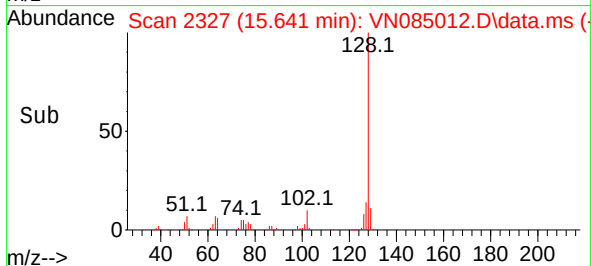
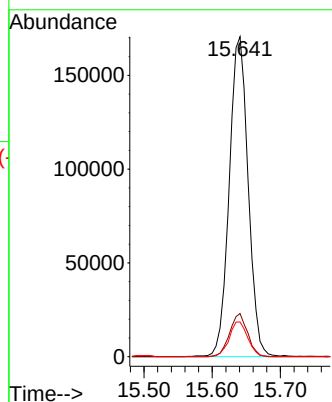
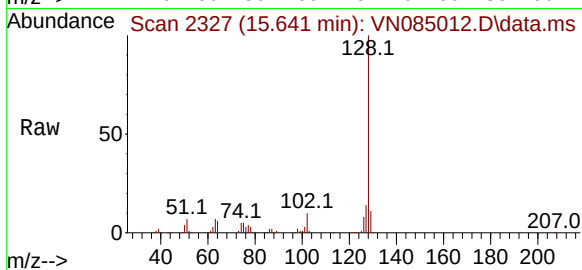
Tgt Ion:128 Resp: 329352

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 42.932 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085012.D

Acq: 22 Nov 2024 16:07

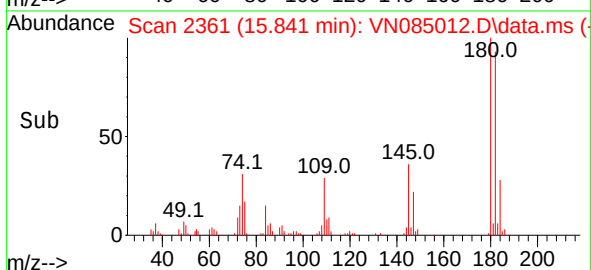
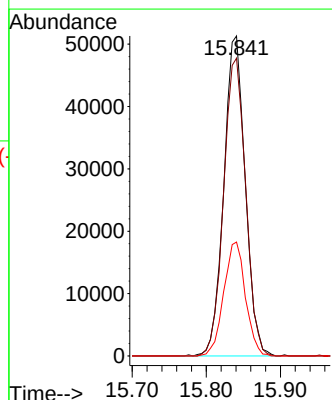
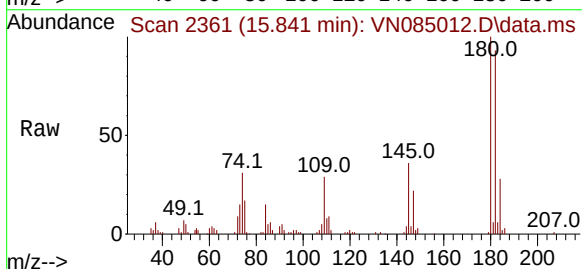
Tgt Ion:180 Resp: 102829

Ion Ratio Lower Upper

180 100

182 95.9 46.4 139.2

145 36.1 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	169304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120023	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114719	47.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.140%
35) Dibromofluoromethane	8.165	113	92766	51.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.760%
50) Toluene-d8	10.565	98	326526	50.960	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.847	95	123192	51.412	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	74077	38.695	ug/l	98
3) Chloromethane	2.359	50	80185	36.113	ug/l	97
4) Vinyl Chloride	2.512	62	83740	41.966	ug/l	97
5) Bromomethane	2.942	94	53457	47.797	ug/l	91
6) Chloroethane	3.118	64	59690	44.380	ug/l	100
7) Trichlorofluoromethane	3.495	101	155891	45.926	ug/l	99
8) Diethyl Ether	3.959	74	54603	47.263	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	91050	47.294	ug/l	97
10) Methyl Iodide	4.583	142	89363	35.067	ug/l	97
11) Tert butyl alcohol	5.518	59	76683	237.948	ug/l	96
12) 1,1-Dichloroethene	4.342	96	82362	45.833	ug/l	99
13) Acrolein	4.177	56	64513	300.005	ug/l	97
14) Allyl chloride	5.018	41	117645	38.835	ug/l	92
15) Acrylonitrile	5.712	53	221719	243.009	ug/l	100
16) Acetone	4.424	43	203220	289.341	ug/l	96
17) Carbon Disulfide	4.706	76	226138	42.635	ug/l	98
18) Methyl Acetate	5.018	43	108094	48.108	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	282616	48.135	ug/l	100
20) Methylene Chloride	5.271	84	95322	44.476	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	87778	46.418	ug/l	96
22) Diisopropyl ether	6.665	45	281466	46.165	ug/l	98
23) Vinyl Acetate	6.600	43	1037308	246.613	ug/l	100
24) 1,1-Dichloroethane	6.565	63	169467	46.447	ug/l	98
25) 2-Butanone	7.477	43	297377	258.973	ug/l	97
26) 2,2-Dichloropropane	7.489	77	159044	46.682	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	105165	46.131	ug/l	99
28) Bromochloromethane	7.812	49	63733	46.274	ug/l	95
29) Tetrahydrofuran	7.836	42	184053	257.747	ug/l	98
30) Chloroform	7.965	83	183970	47.401	ug/l	100
31) Cyclohexane	8.253	56	140953	43.877	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	165151	47.089	ug/l	98
36) 1,1-Dichloropropene	8.365	75	123613	51.043	ug/l	99
37) Ethyl Acetate	7.559	43	116196	52.778	ug/l	98
38) Carbon Tetrachloride	8.359	117	148269	53.041	ug/l	96
39) Methylcyclohexane	9.600	83	131927	52.424	ug/l	97
40) Benzene	8.606	78	386295	50.434	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085142.D
 Acq On : 09 Dec 2024 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62238	51.058	ug/l	96
42) 1,2-Dichloroethane	8.671	62	132099	50.412	ug/l	99
43) Isopropyl Acetate	8.688	43	196670	43.006	ug/l	97
44) Trichloroethene	9.347	130	91956	51.660	ug/l	94
45) 1,2-Dichloropropane	9.618	63	92953	49.272	ug/l	93
46) Dibromomethane	9.706	93	67996	51.870	ug/l	98
47) Bromodichloromethane	9.888	83	145741	52.456	ug/l	97
48) Methyl methacrylate	9.677	41	91470	53.750	ug/l	98
49) 1,4-Dioxane	9.694	88	37193	1260.284	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	608624	291.377	ug/l	99
52) Toluene	10.630	92	245225	54.081	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	143697	51.589	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	153615	51.984	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	91610	54.241	ug/l	98
56) Ethyl methacrylate	10.871	69	145017	58.759	ug/l	98
57) 1,3-Dichloropropane	11.165	76	154792	52.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	312633	258.243	ug/l	100
59) 2-Hexanone	11.194	43	467460	299.229	ug/l	100
60) Dibromochloromethane	11.359	129	114019	55.238	ug/l	99
61) 1,2-Dibromoethane	11.465	107	93195	53.317	ug/l	97
64) Tetrachloroethene	11.100	164	83557	52.620	ug/l	97
65) Chlorobenzene	11.888	112	264819	49.550	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96896	51.493	ug/l	99
67) Ethyl Benzene	11.959	91	466309	53.779	ug/l	99
68) m/p-Xylenes	12.071	106	362598	109.841	ug/l	100
69) o-Xylene	12.394	106	169397	53.945	ug/l	100
70) Styrene	12.412	104	301784	57.790	ug/l	98
71) Bromoform	12.576	173	79256	56.742	ug/l #	100
73) Isopropylbenzene	12.694	105	441629	52.158	ug/l	100
74) N-amyl acetate	12.494	43	176132	50.480	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	134339	46.462	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	173913	79.662	ug/l	47
77) Bromobenzene	12.976	156	109596	48.098	ug/l	99
78) n-propylbenzene	13.035	91	528037	54.068	ug/l	99
79) 2-Chlorotoluene	13.123	91	319326	48.981	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	387163	54.491	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55265	55.884	ug/l	86
82) 4-Chlorotoluene	13.218	91	331046	48.778	ug/l	99
83) tert-Butylbenzene	13.435	119	310870	50.852	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	387968	53.047	ug/l	100
85) sec-Butylbenzene	13.612	105	447037	54.132	ug/l	99
86) p-Isopropyltoluene	13.729	119	379947	55.734	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	202457	45.047	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	202736	44.203	ug/l	98
89) n-Butylbenzene	14.053	91	317319	50.053	ug/l	99
90) Hexachloroethane	14.329	117	74535	50.159	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	190711	44.283	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26256	46.961	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	98579	42.133	ug/l	99
94) Hexachlorobutadiene	15.500	225	46941	43.472	ug/l	98
95) Naphthalene	15.641	128	299742	44.981	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	97267	43.570	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

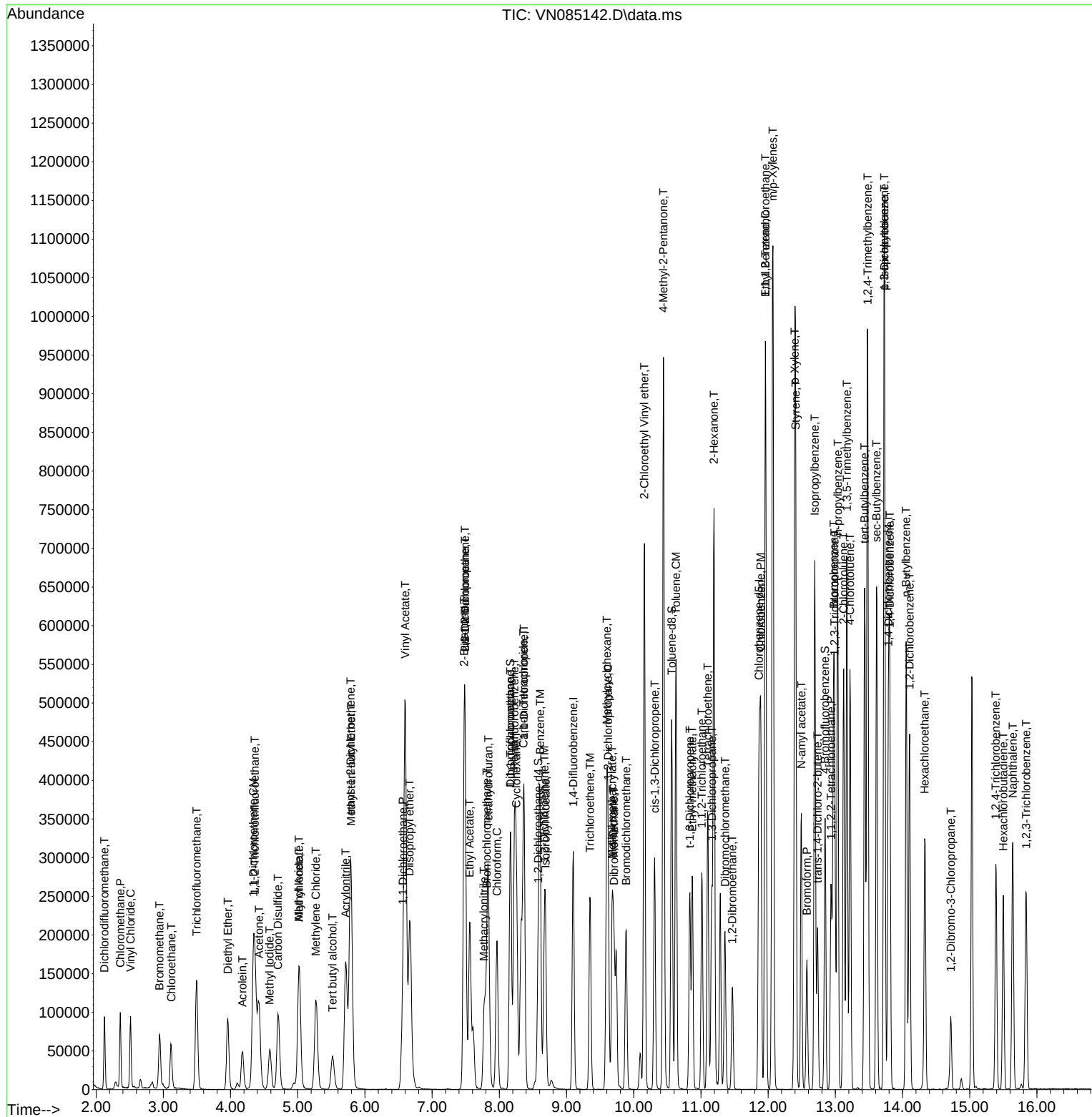
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

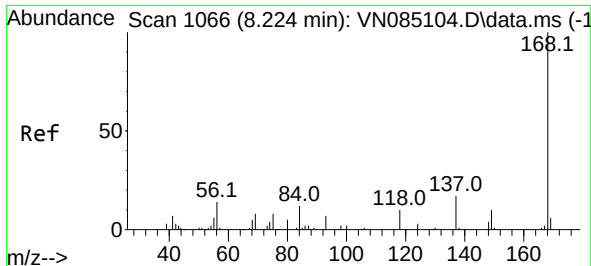
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085142.D
Acq On : 09 Dec 2024 10:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 10 04:56:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

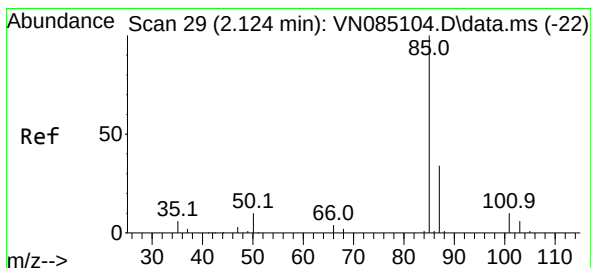
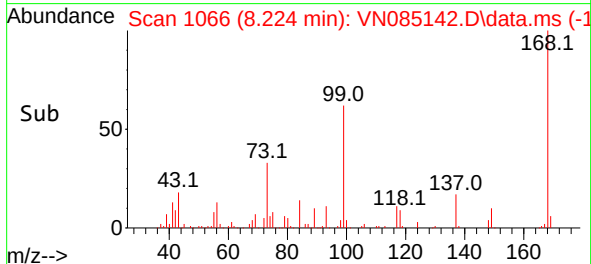
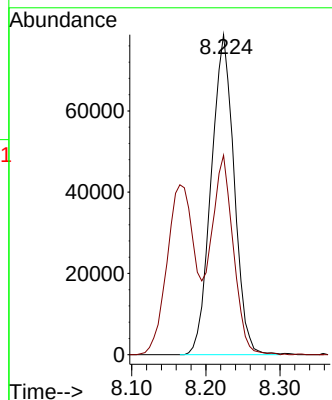
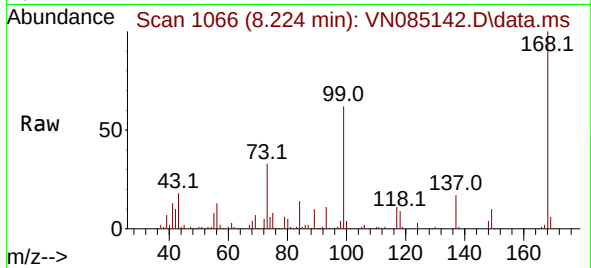




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

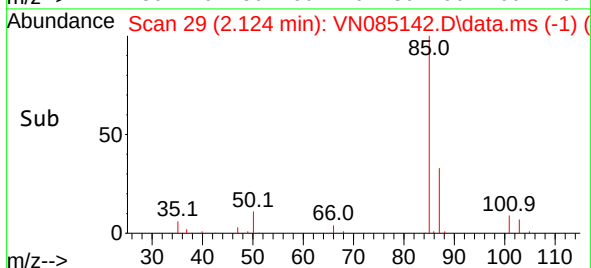
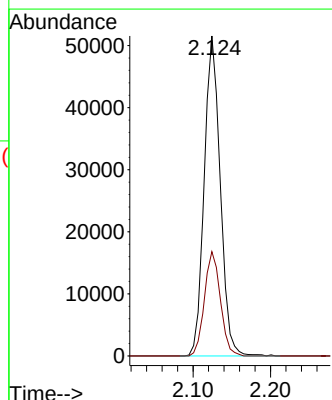
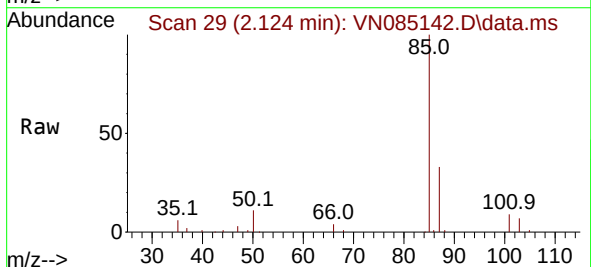
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

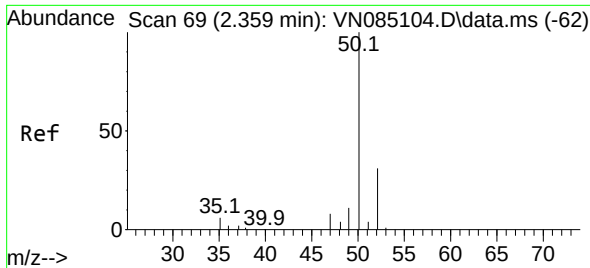
Tgt Ion:168 Resp: 169304
Ion Ratio Lower Upper
168 100
99 62.3 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 38.695 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 85 Resp: 74077
Ion Ratio Lower Upper
85 100
87 32.6 15.7 47.1

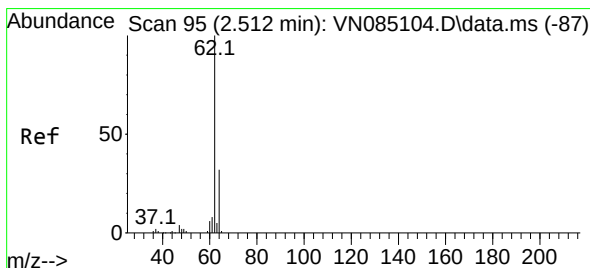
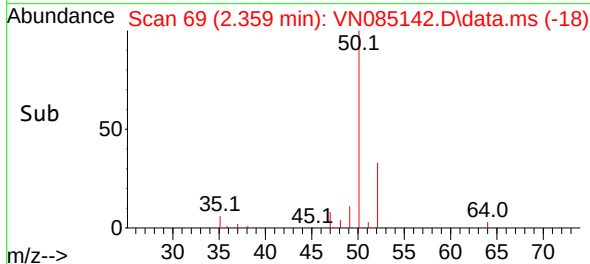
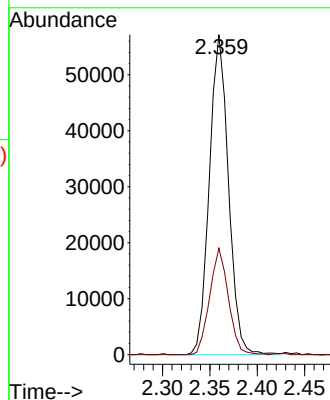
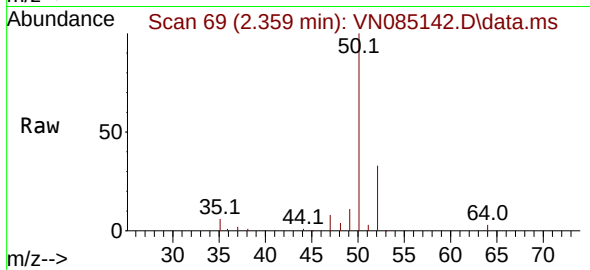




#3
Chloromethane
Concen: 36.113 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

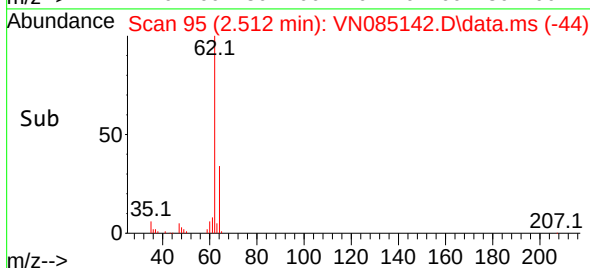
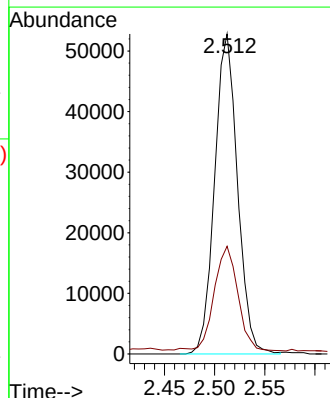
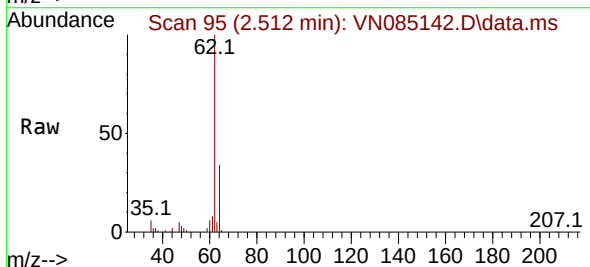
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

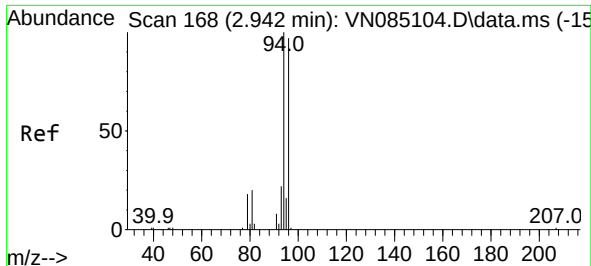
Tgt Ion: 50 Resp: 80185
Ion Ratio Lower Upper
50 100
52 33.2 27.8 41.8



#4
Vinyl Chloride
Concen: 41.966 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 83740
Ion Ratio Lower Upper
62 100
64 32.6 24.6 36.8

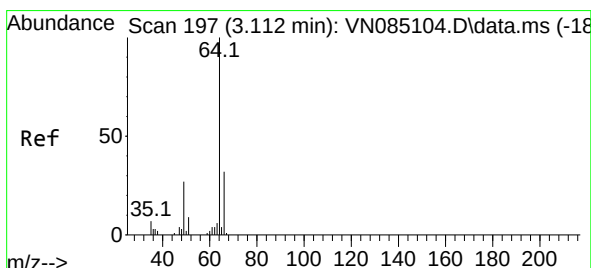
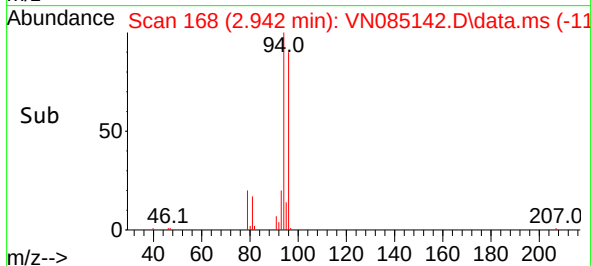
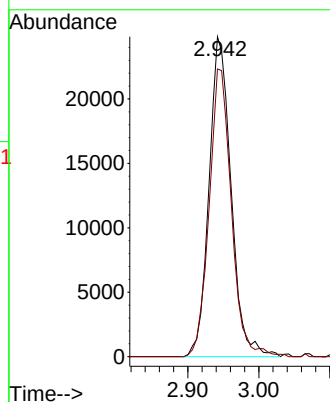
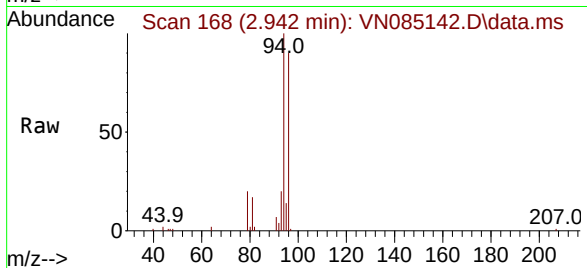




#5
Bromomethane
Concen: 47.797 ug/l
RT: 2.942 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

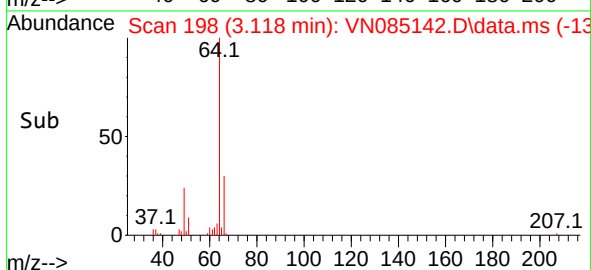
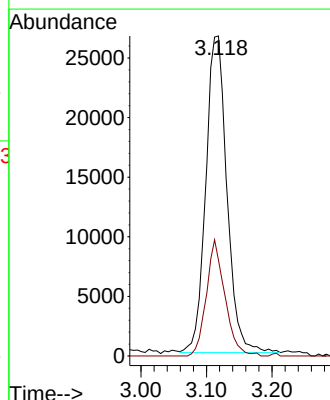
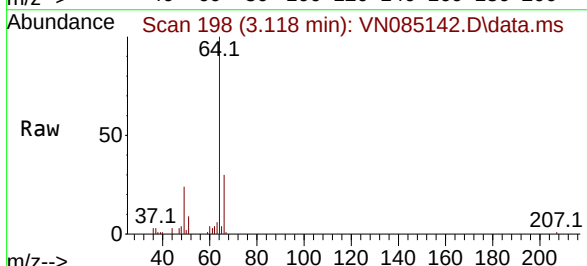
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ClientSampleId :
VSTDCCC050

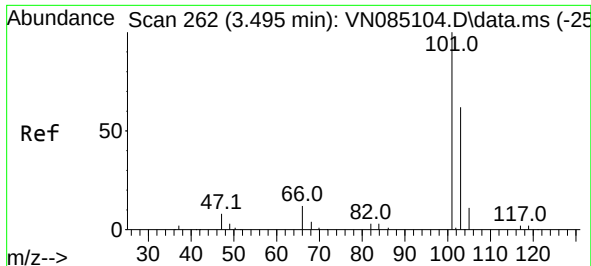
Tgt Ion: 94 Resp: 53457
Ion Ratio Lower Upper
94 100
96 89.9 78.7 118.1



#6
Chloroethane
Concen: 44.380 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 64 Resp: 59690
Ion Ratio Lower Upper
64 100
66 30.3 24.4 36.6

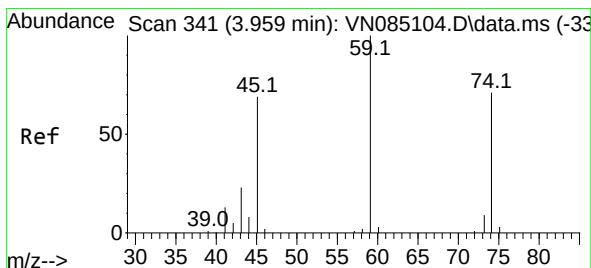
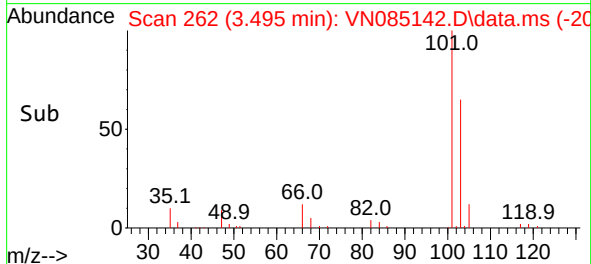
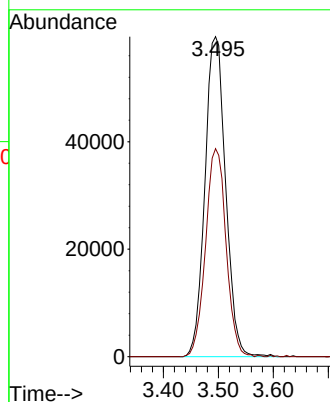
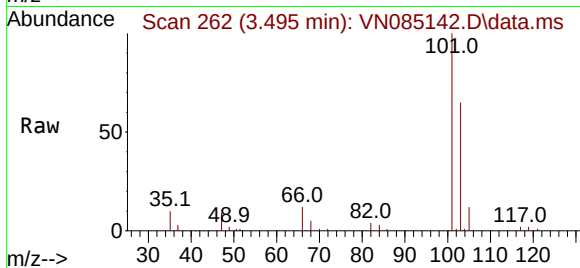




#7
 Trichlorofluoromethane
 Concen: 45.926 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. 0.035 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

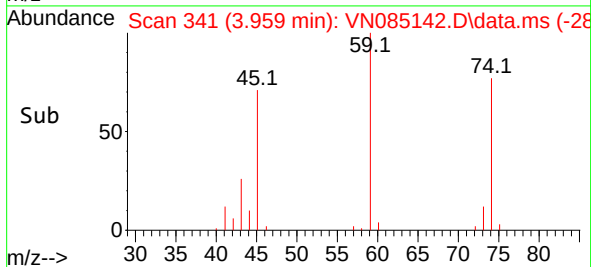
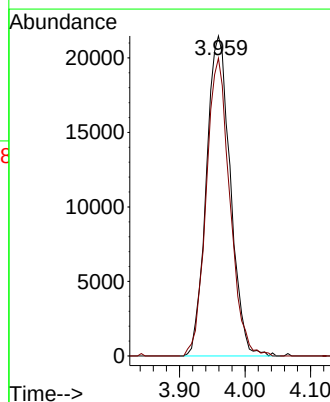
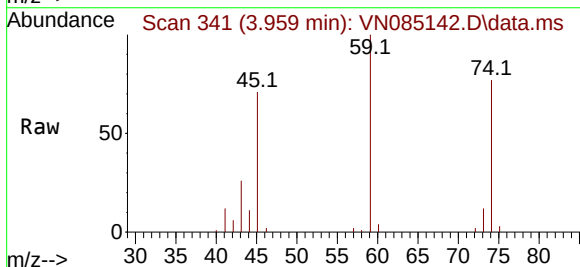
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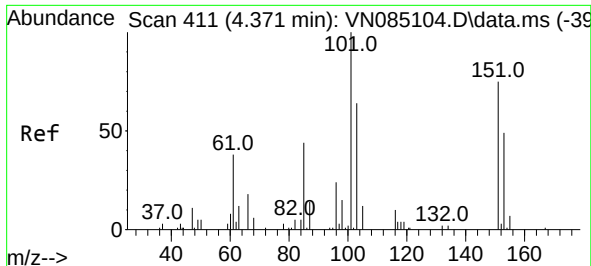
Tgt Ion:101 Resp: 155891
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8



#8
 Diethyl Ether
 Concen: 47.263 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.012 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion: 74 Resp: 54603
 Ion Ratio Lower Upper
 74 100
 45 91.6 46.7 140.1

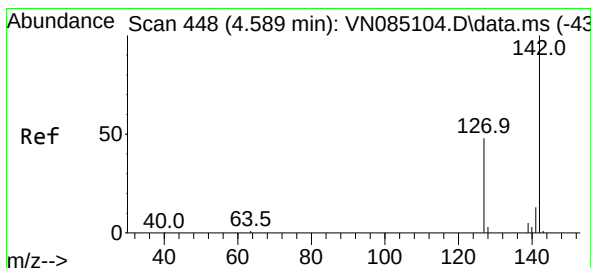
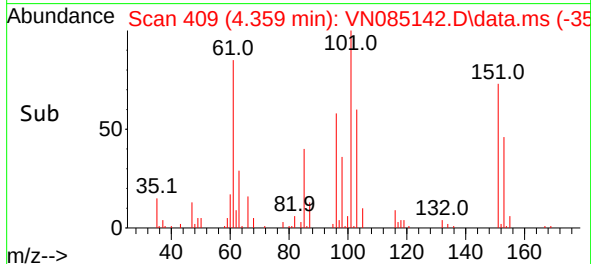
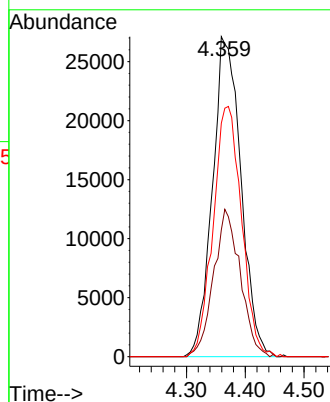
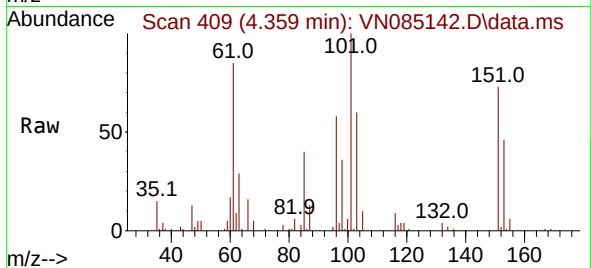




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.294 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

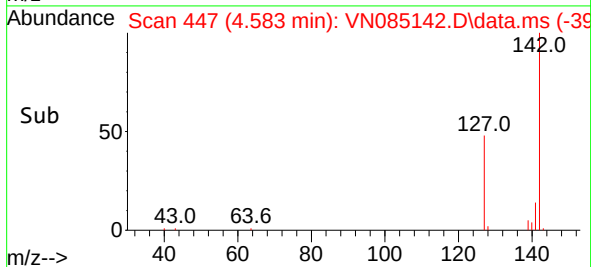
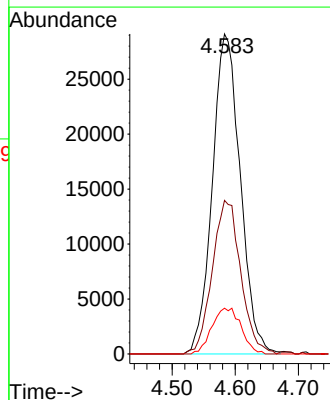
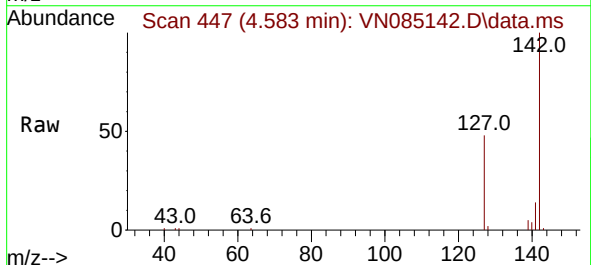
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

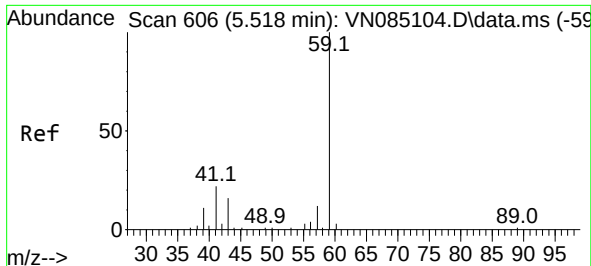
Tgt Ion:	101	Resp:	91050
Ion	Ratio	Lower	Upper
101	100		
85	43.3	36.9	55.3
151	78.1	60.8	91.2



#10
Methyl Iodide
Concen: 35.067 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:	142	Resp:	89363
Ion	Ratio	Lower	Upper
142	100		
127	48.0	36.6	54.8
141	14.3	12.2	18.4

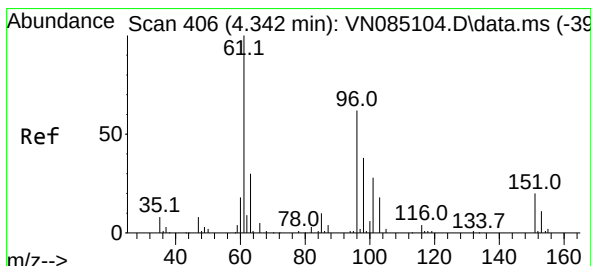
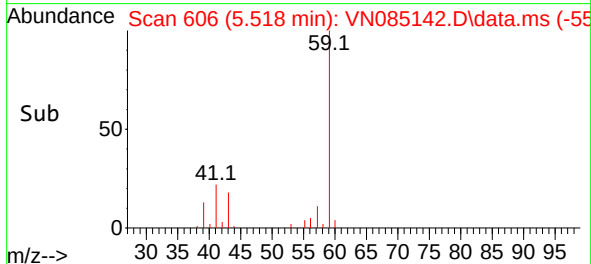
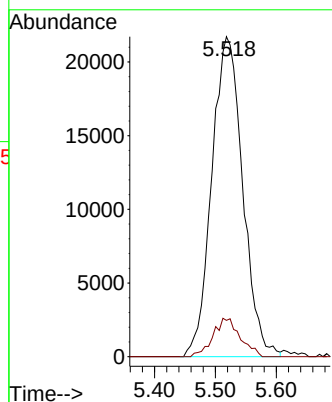
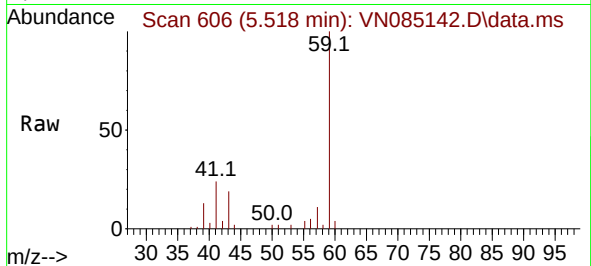




#11
Tert butyl alcohol
Concen: 237.948 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

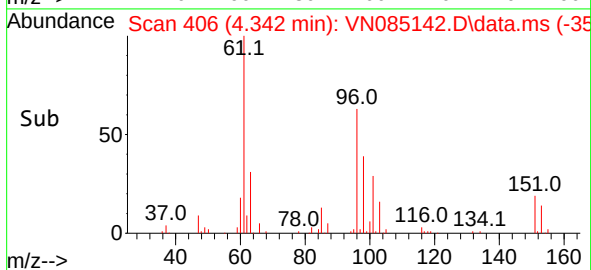
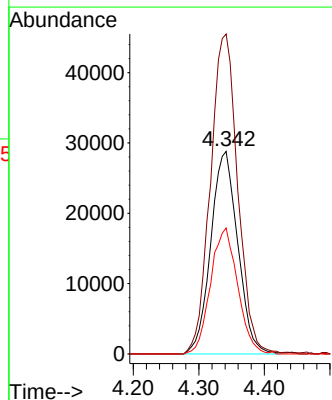
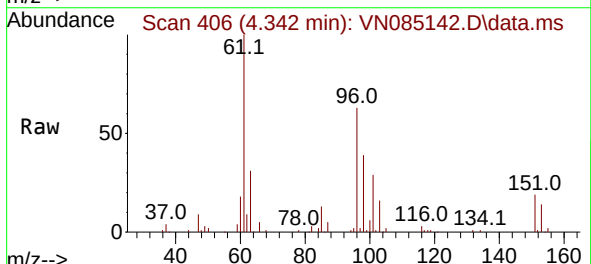
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

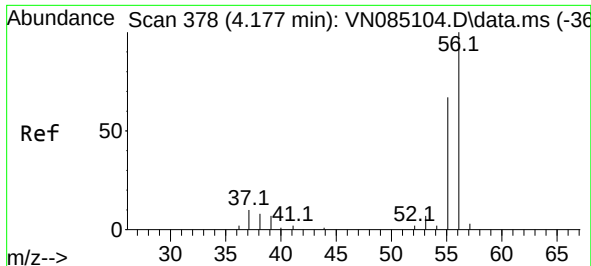
Tgt Ion: 59 Resp: 76683
Ion Ratio Lower Upper
59 100
57 10.5 7.4 11.0



#12
1,1-Dichloroethene
Concen: 45.833 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.023 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 96 Resp: 82362
Ion Ratio Lower Upper
96 100
61 157.9 127.8 191.8
98 62.2 49.2 73.8





#13

Acrolein

Concen: 300.005 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

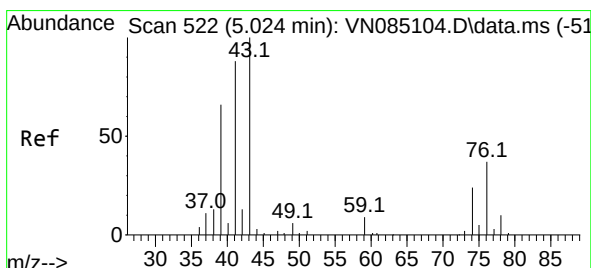
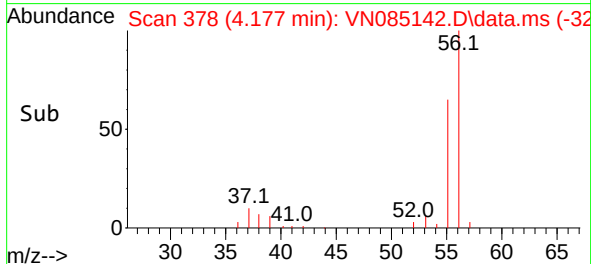
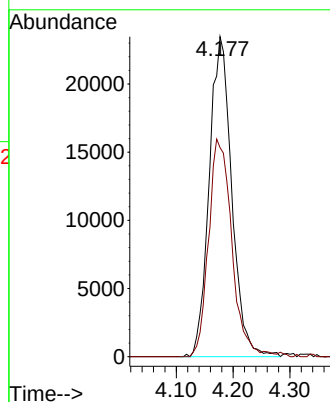
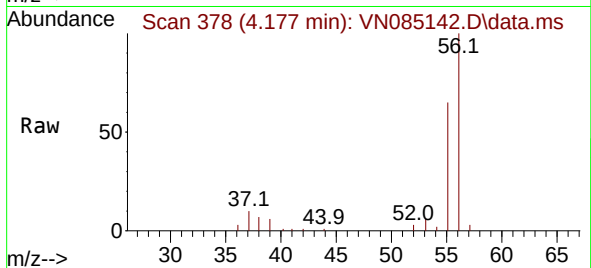
VSTDCCC050

Tgt Ion: 56 Resp: 64513

Ion Ratio Lower Upper

56 100

55 70.2 54.5 81.7



#14

Allyl chloride

Concen: 38.835 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.012 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

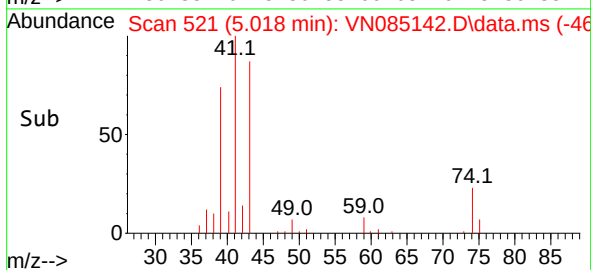
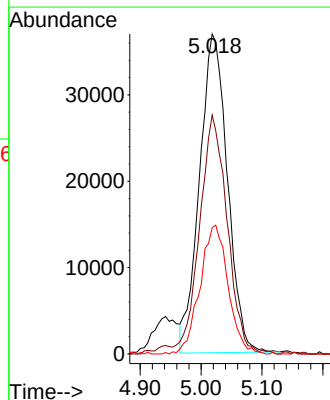
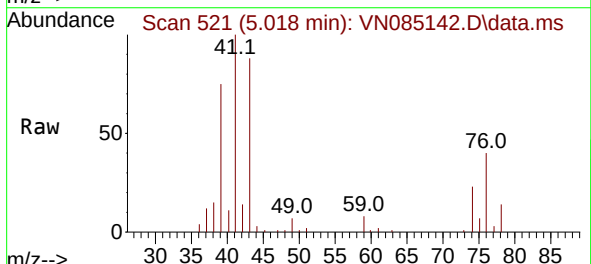
Tgt Ion: 41 Resp: 117645

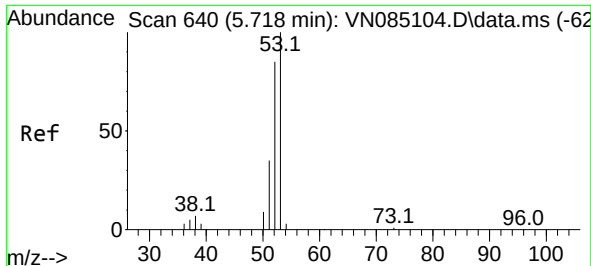
Ion Ratio Lower Upper

41 100

39 74.1 53.8 80.8

76 40.7 29.3 43.9

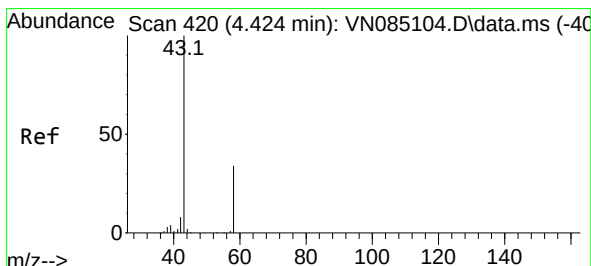
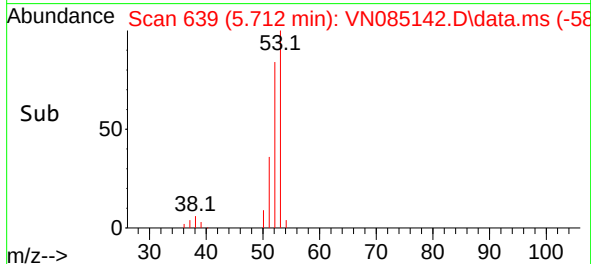
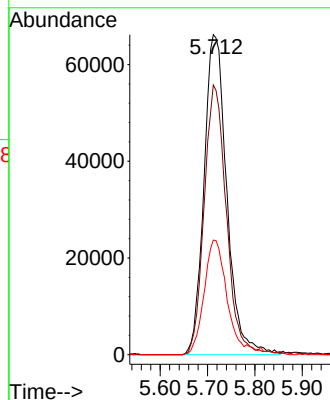
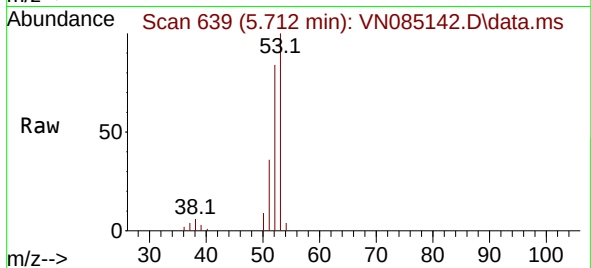




#15
Acrylonitrile
Concen: 243.009 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

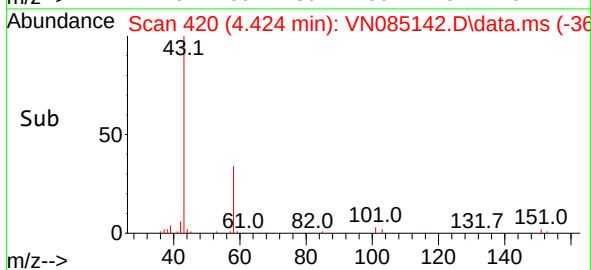
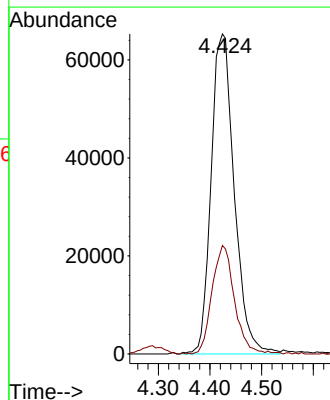
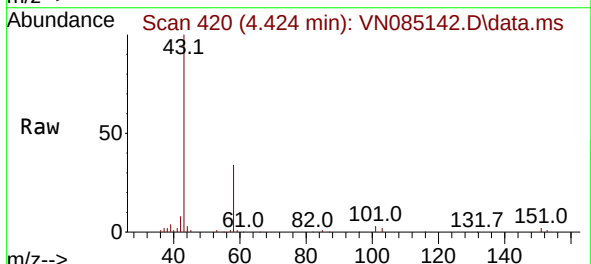
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

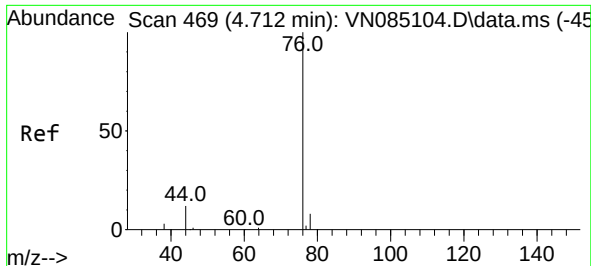
Tgt Ion: 53 Resp: 221719
Ion Ratio Lower Upper
53 100
52 81.9 65.5 98.3
51 36.2 28.4 42.6



#16
Acetone
Concen: 289.341 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 203220
Ion Ratio Lower Upper
43 100
58 33.9 25.4 38.2

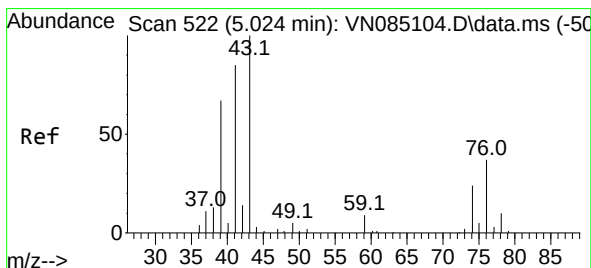
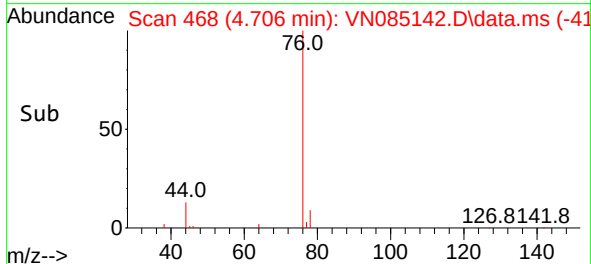
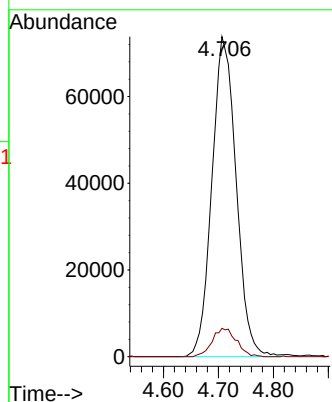
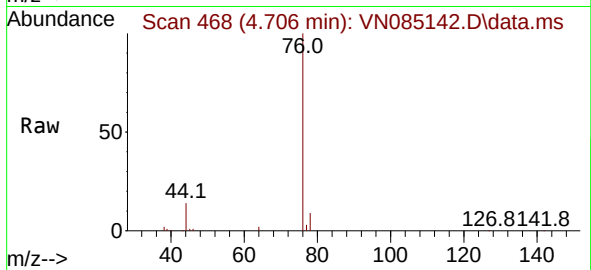




#17
Carbon Disulfide
Concen: 42.635 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

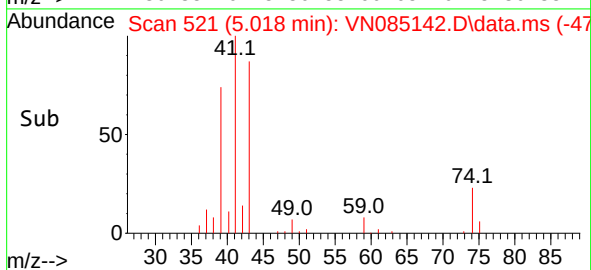
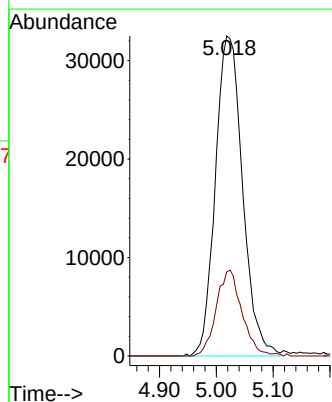
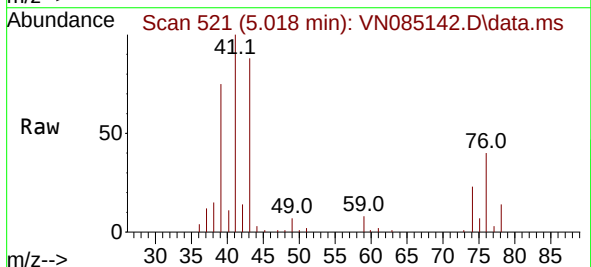
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

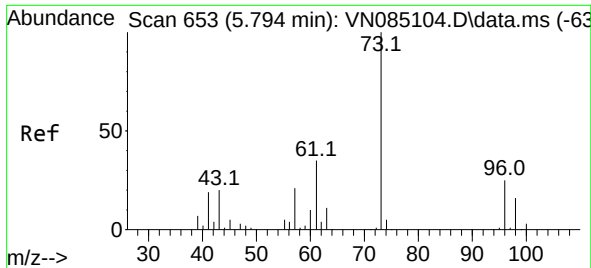
Tgt Ion: 76 Resp: 226138
Ion Ratio Lower Upper
76 100
78 8.9 6.5 9.7



#18
Methyl Acetate
Concen: 48.108 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 108094
Ion Ratio Lower Upper
43 100
74 25.3 20.1 30.1

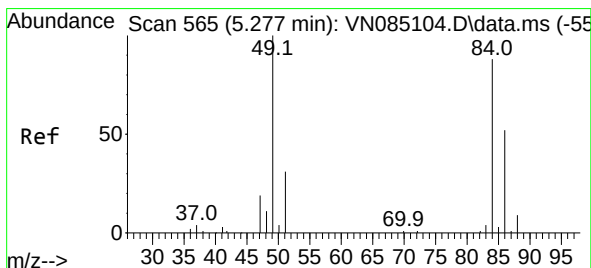
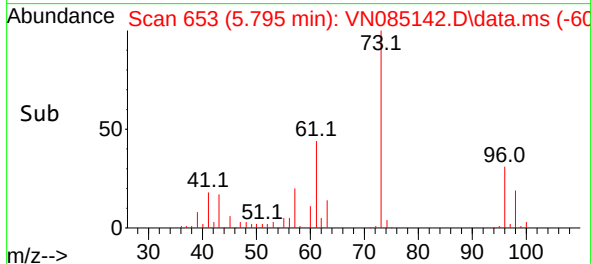
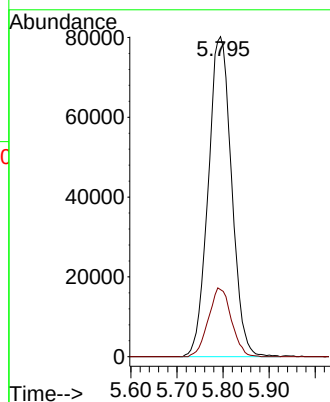
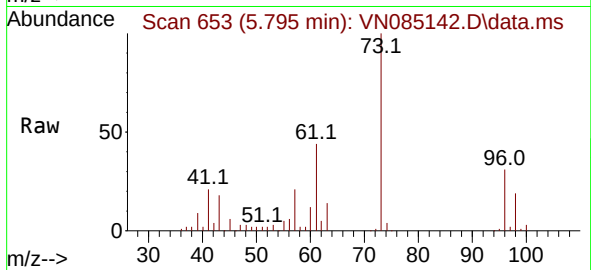




#19
Methyl tert-butyl Ether
Concen: 48.135 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

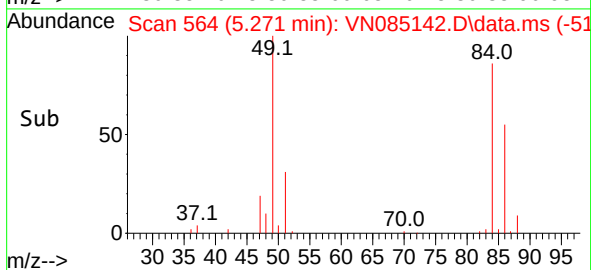
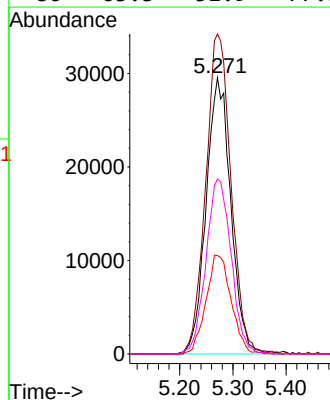
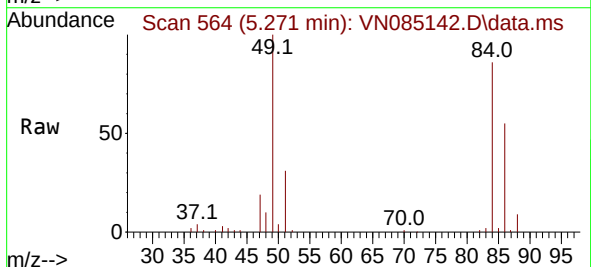
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

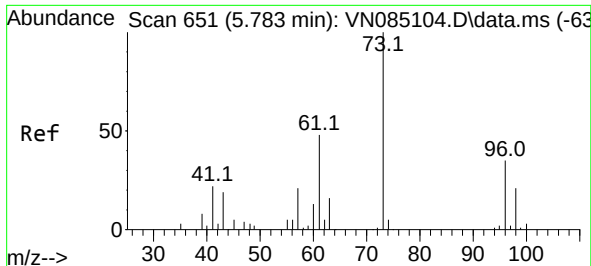
Tgt Ion: 73 Resp: 282616
Ion Ratio Lower Upper
73 100
57 21.0 17.0 25.4



#20
Methylene Chloride
Concen: 44.476 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 84 Resp: 95322
Ion Ratio Lower Upper
84 100
49 115.8 92.7 139.1
51 35.6 29.4 44.2
86 63.3 51.9 77.9

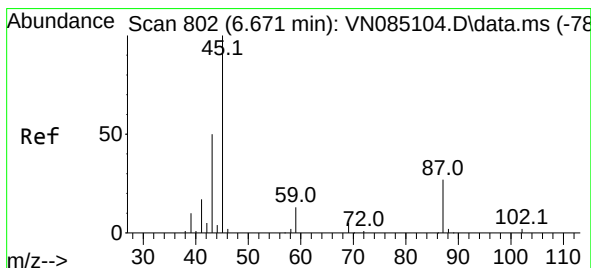
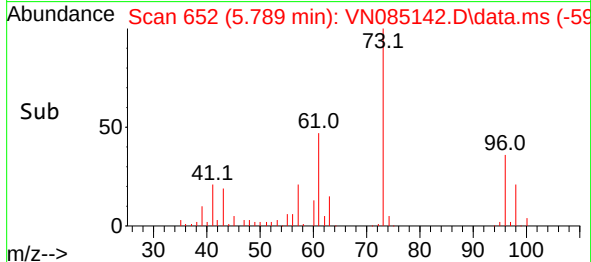
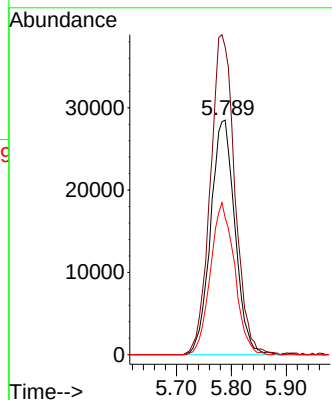
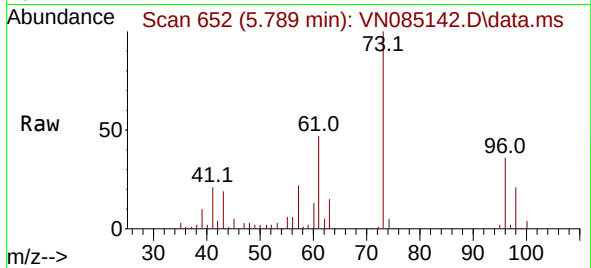




#21
trans-1,2-Dichloroethene
Concen: 46.418 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.018 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

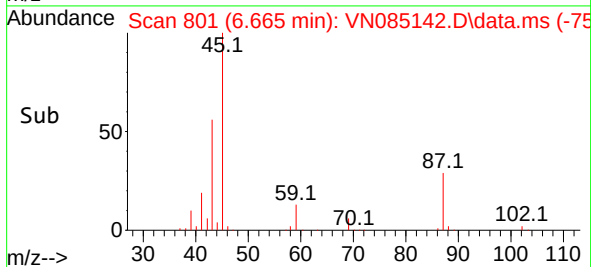
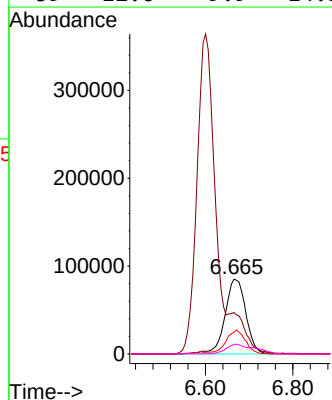
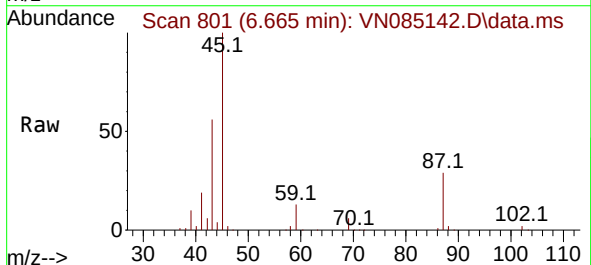
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

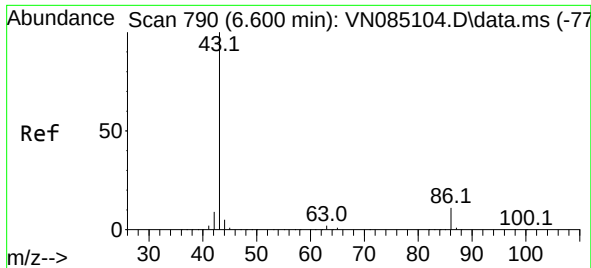
Tgt Ion: 96 Resp: 87778
Ion Ratio Lower Upper
96 100
61 131.2 100.7 151.1
98 58.4 45.8 68.6



#22
Diisopropyl ether
Concen: 46.165 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 45 Resp: 281466
Ion Ratio Lower Upper
45 100
43 54.8 42.7 64.1
87 29.1 22.6 34.0
59 12.6 9.9 14.9

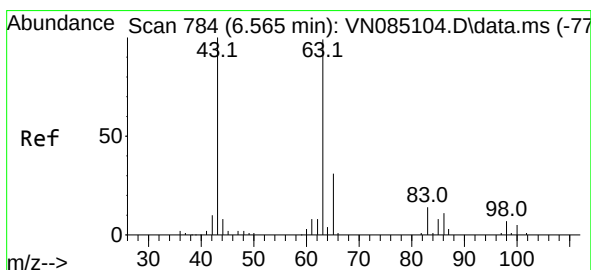
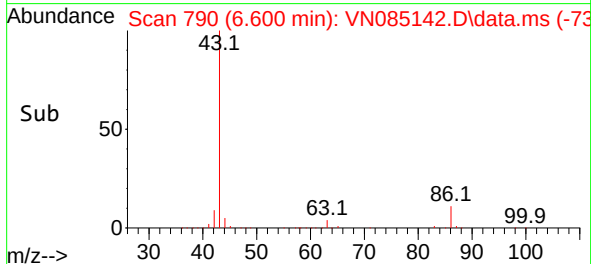
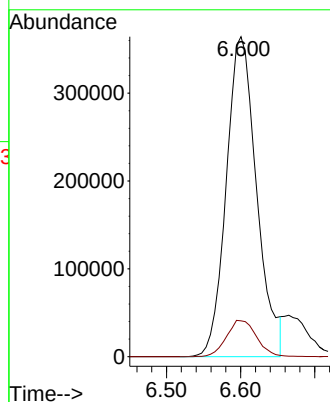
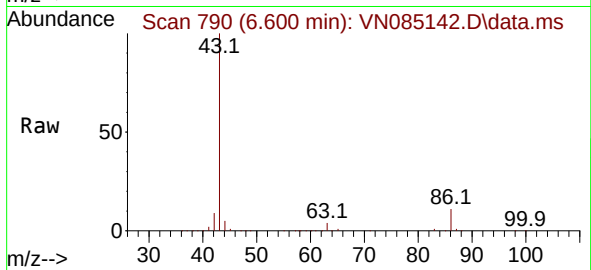




#23
 Vinyl Acetate
 Concen: 246.613 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

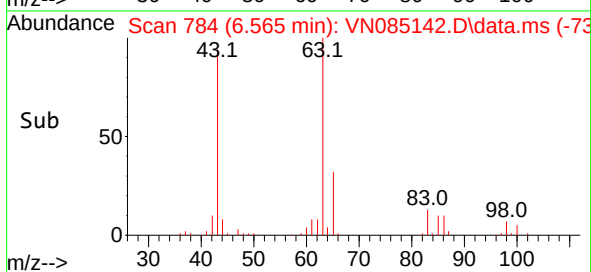
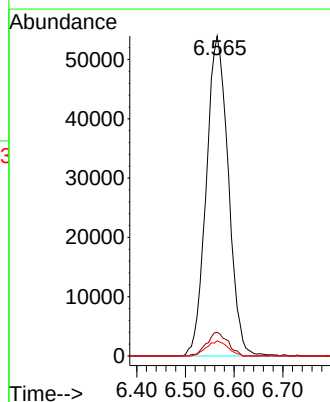
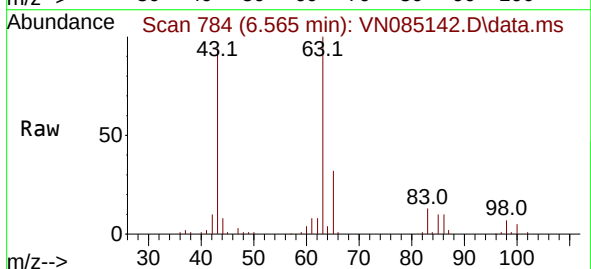
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

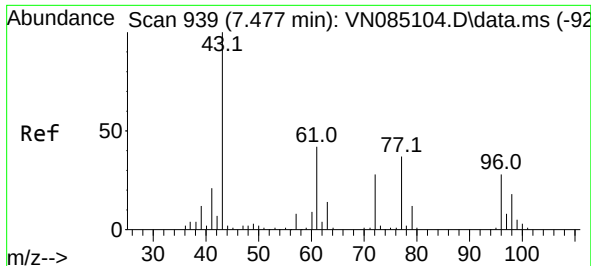
Tgt Ion: 43 Resp: 1037308
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 46.447 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.012 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion: 63 Resp: 169467
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.8
 100 4.7 2.2 6.6





#25

2-Butanone

Concen: 258.973 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

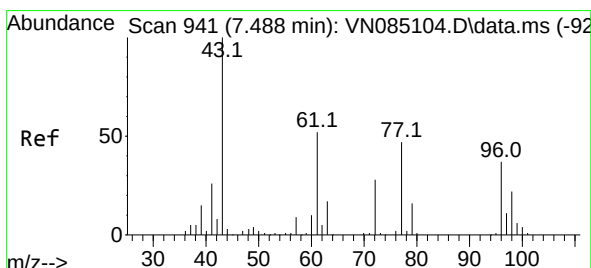
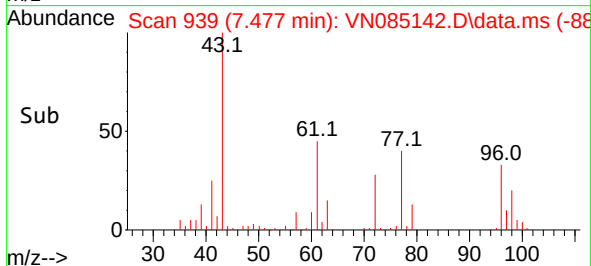
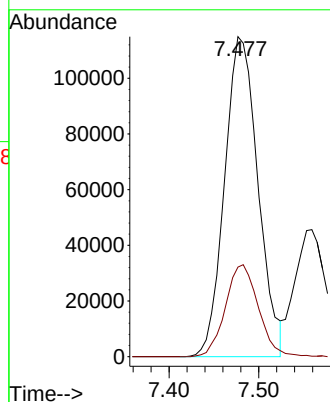
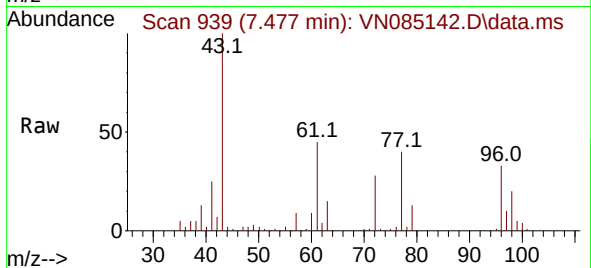
VSTDCCC050

Tgt Ion: 43 Resp: 297377

Ion Ratio Lower Upper

43 100

72 28.0 21.4 32.0



#26

2,2-Dichloropropane

Concen: 46.682 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085142.D

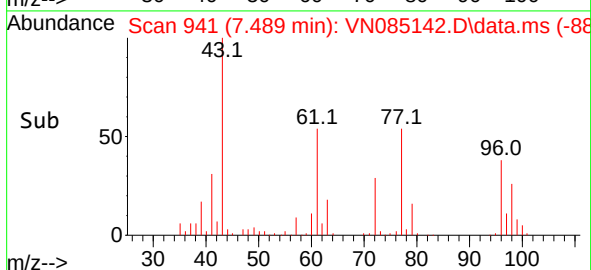
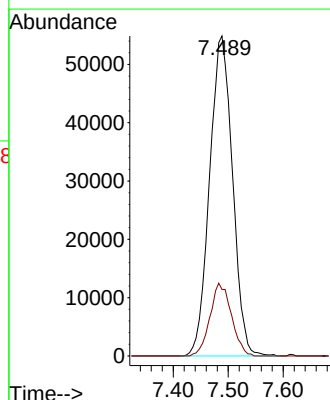
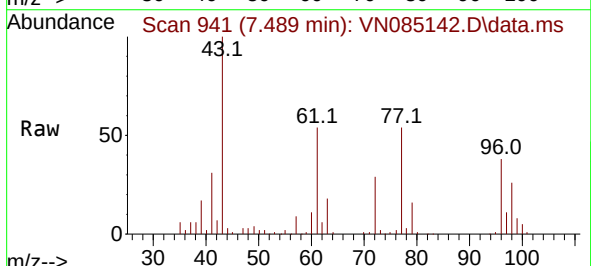
Acq: 09 Dec 2024 10:32

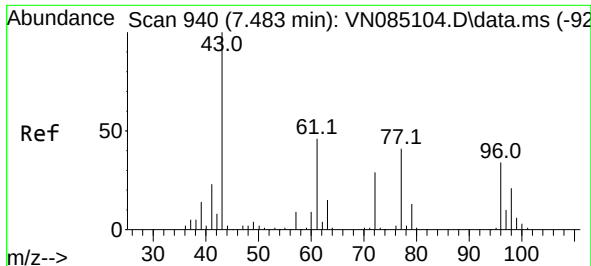
Tgt Ion: 77 Resp: 159044

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.7

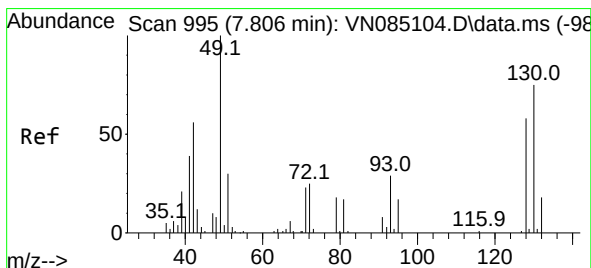
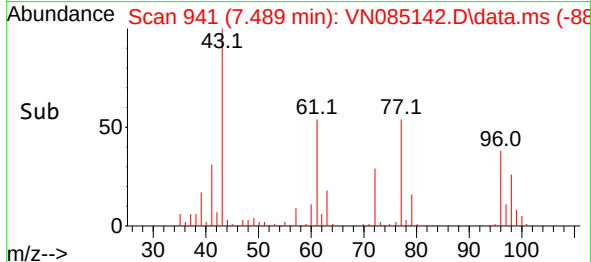
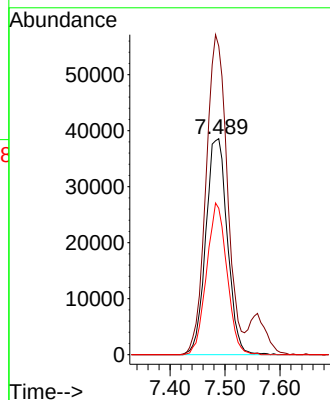
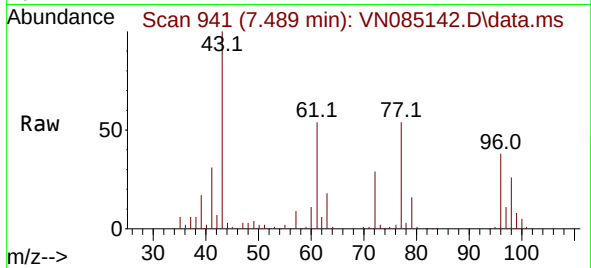




#27
 cis-1,2-Dichloroethene
 Concen: 46.131 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

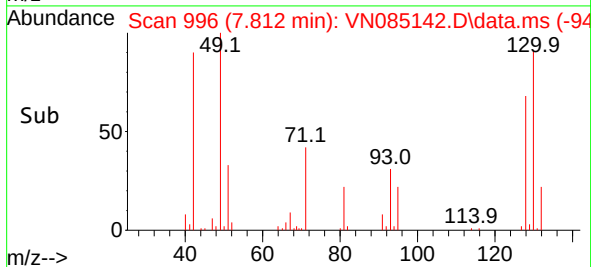
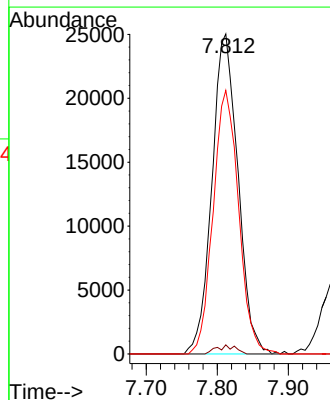
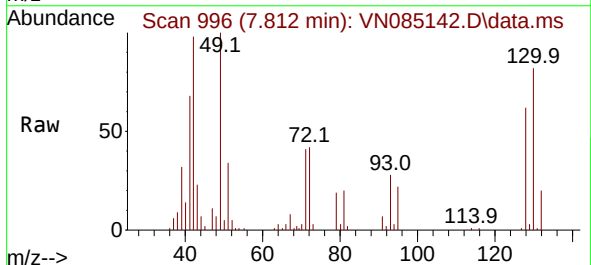
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

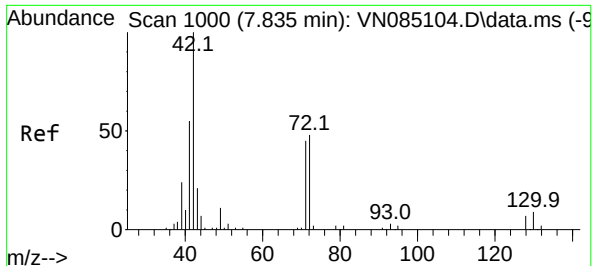
Tgt Ion: 96 Resp: 105165
 Ion Ratio Lower Upper
 96 100
 61 145.9 0.0 291.6
 98 66.4 0.0 129.8



#28
 Bromochloromethane
 Concen: 46.274 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion: 49 Resp: 63733
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 80.5 60.6 90.8





#29

Tetrahydrofuran

Concen: 257.747 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

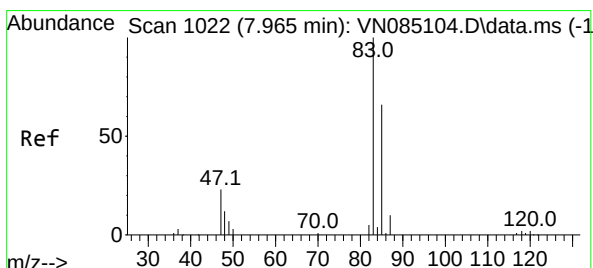
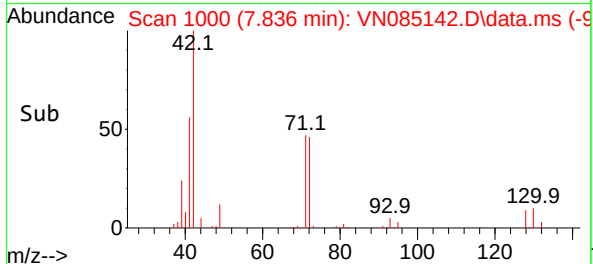
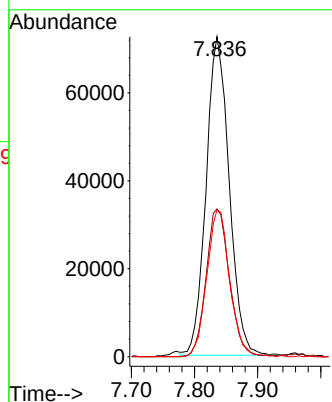
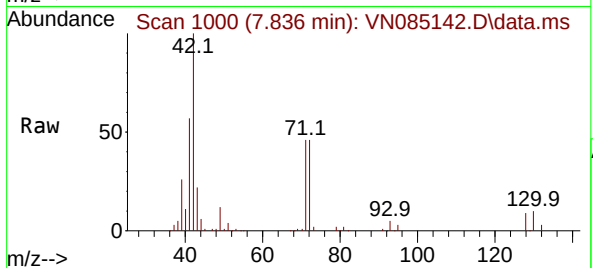
Tgt Ion: 42 Resp: 184053

Ion Ratio Lower Upper

42 100

72 46.9 37.0 55.4

71 45.6 35.0 52.4



#30

Chloroform

Concen: 47.401 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085142.D

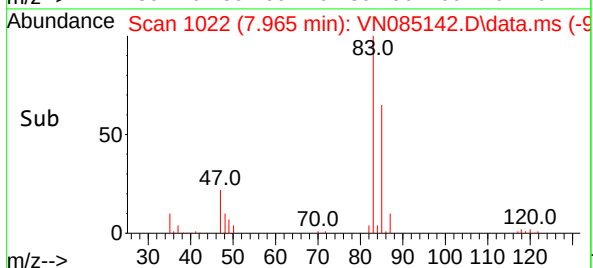
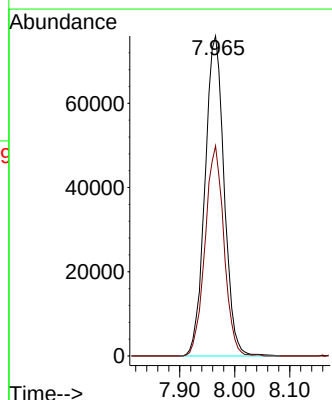
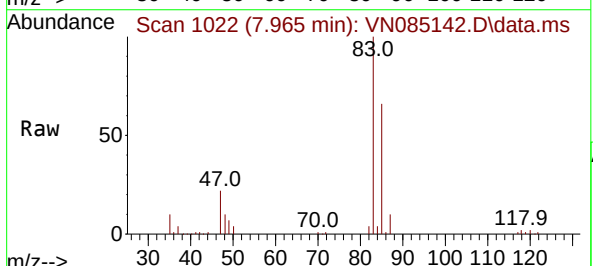
Acq: 09 Dec 2024 10:32

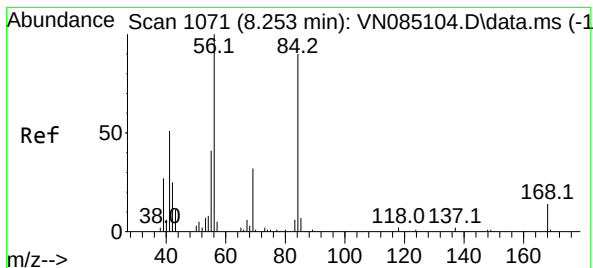
Tgt Ion: 83 Resp: 183970

Ion Ratio Lower Upper

83 100

85 65.7 52.6 78.8





#31

Cyclohexane

Concen: 43.877 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

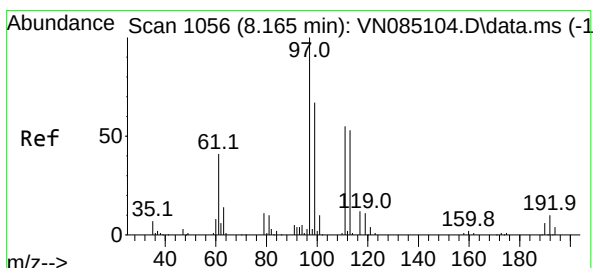
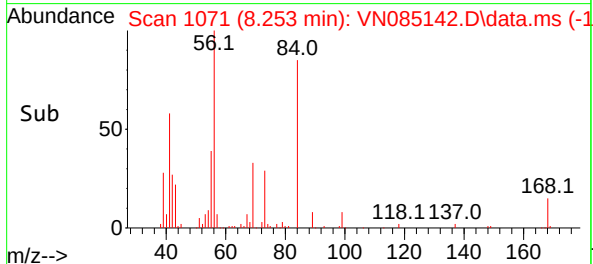
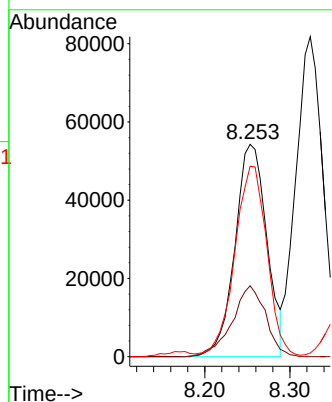
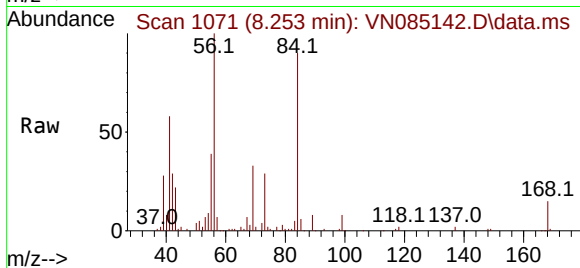
Tgt Ion: 56 Resp: 140953

Ion Ratio Lower Upper

56 100

69 33.4 24.6 36.8

84 87.4 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 47.089 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

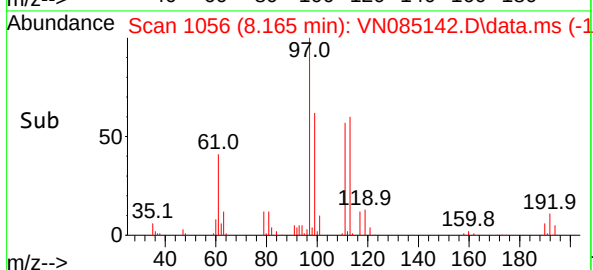
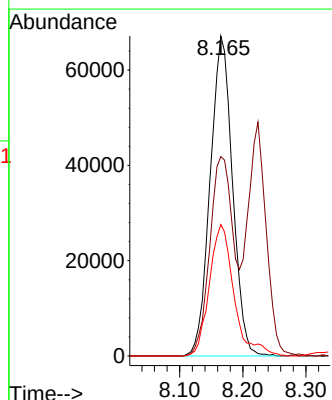
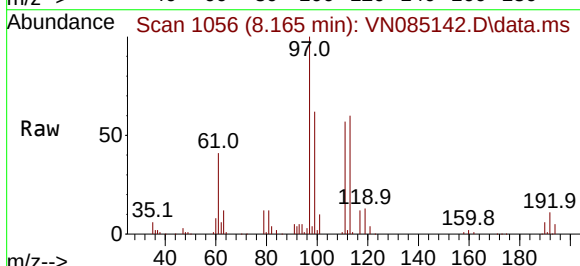
Tgt Ion: 97 Resp: 165151

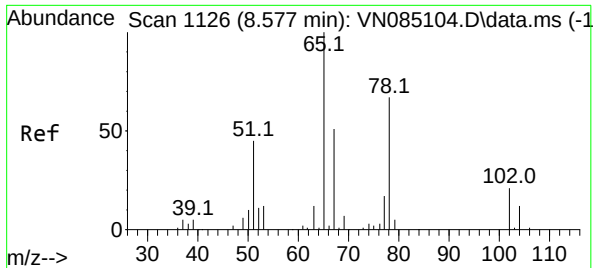
Ion Ratio Lower Upper

97 100

99 65.9 51.0 76.4

61 45.1 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 47.569 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

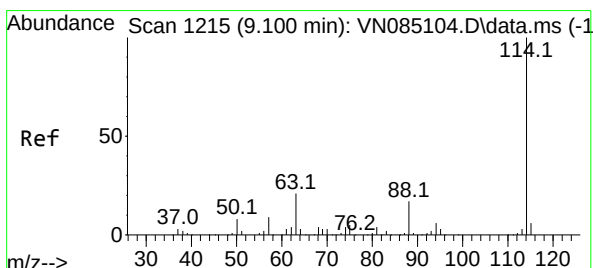
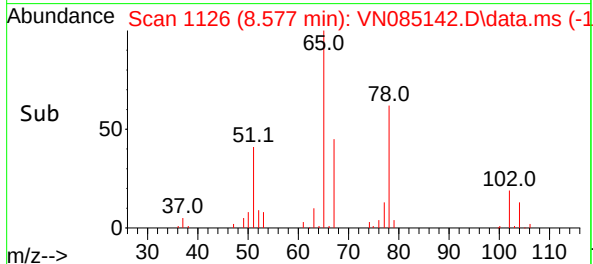
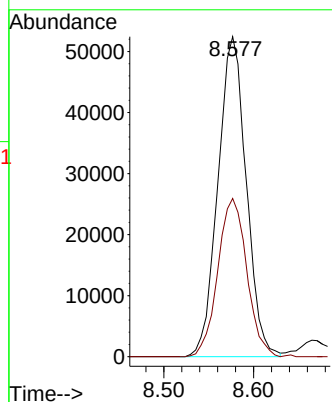
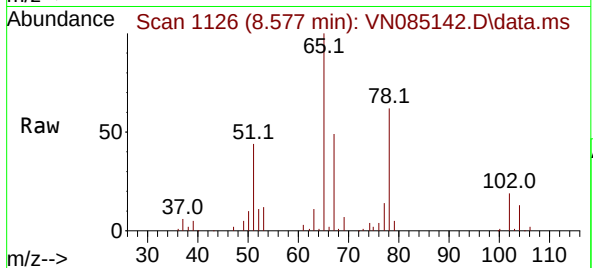
VSTDCCC050

Tgt Ion: 65 Resp: 114719

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

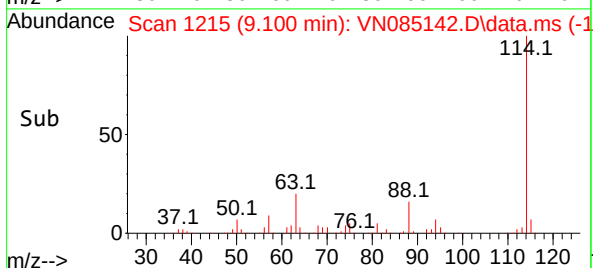
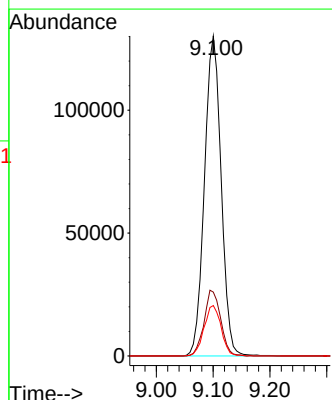
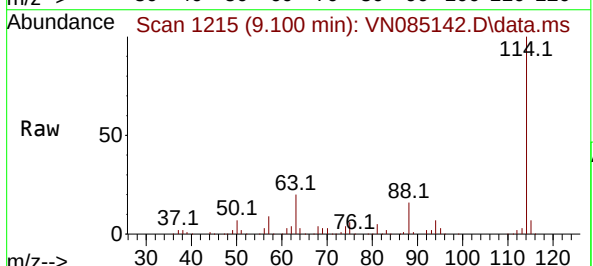
Tgt Ion: 114 Resp: 265126

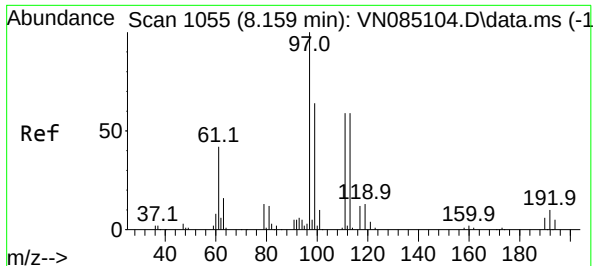
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 15.8 0.0 34.8

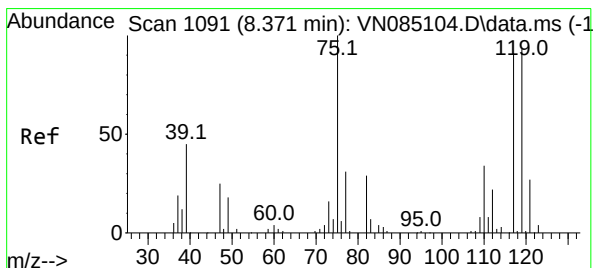
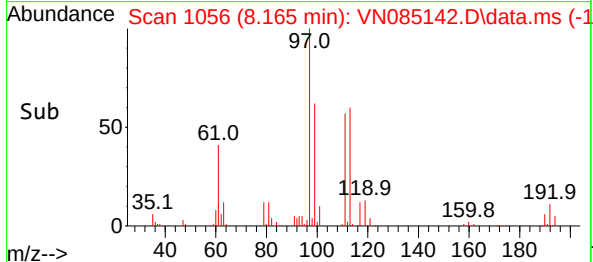
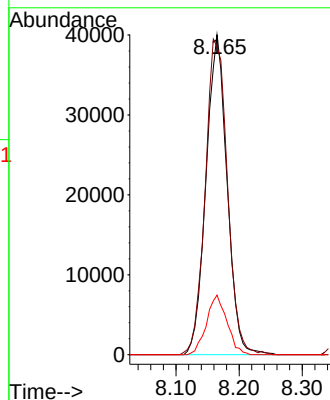
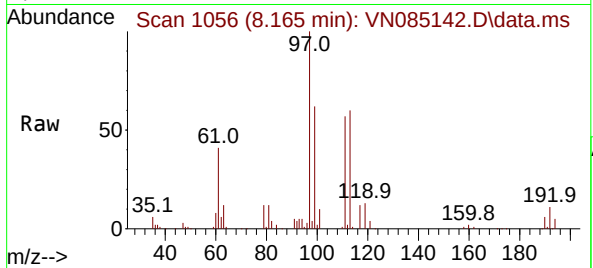




#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 8.165 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

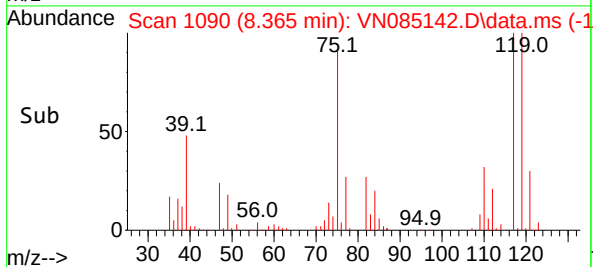
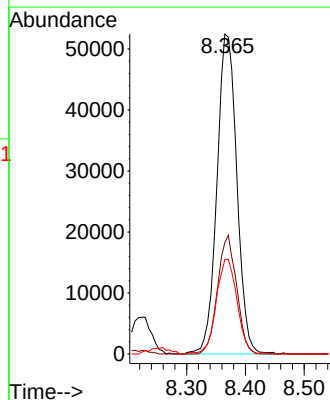
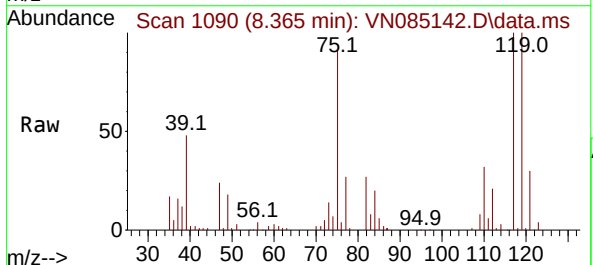
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

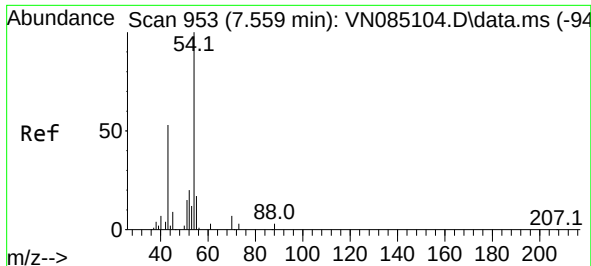
Tgt Ion:113 Resp: 92766
Ion Ratio Lower Upper
113 100
111 103.9 82.0 123.0
192 18.1 14.8 22.2



#36
1,1-Dichloropropene
Concen: 51.043 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 123613
Ion Ratio Lower Upper
75 100
110 35.5 17.2 51.6
77 30.7 24.2 36.4

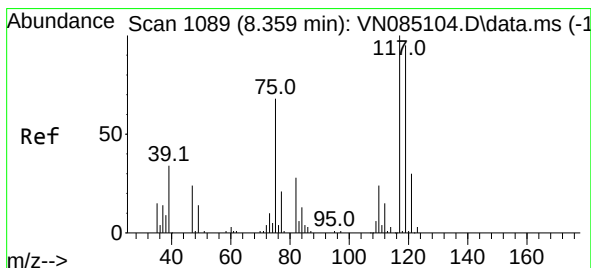
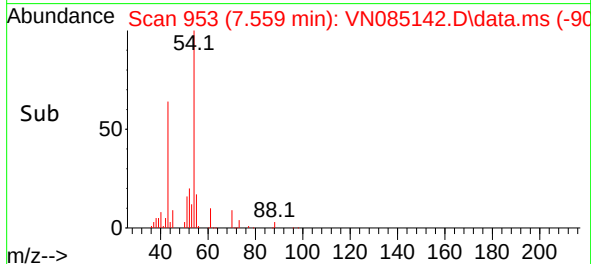
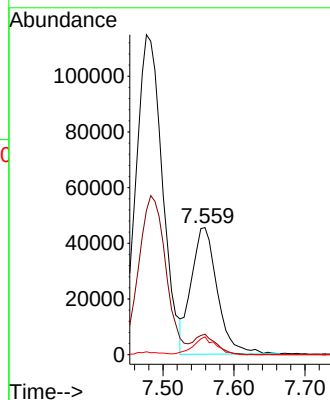
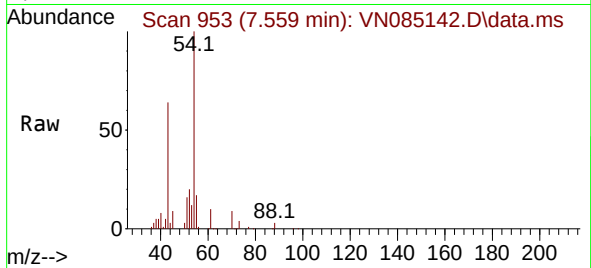




#37
Ethyl Acetate
Concen: 52.778 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

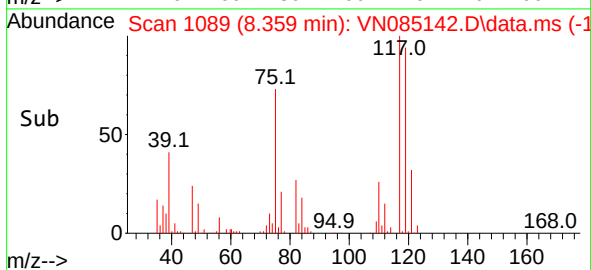
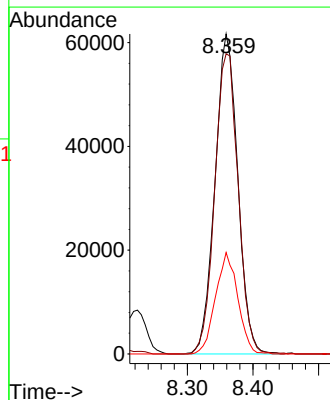
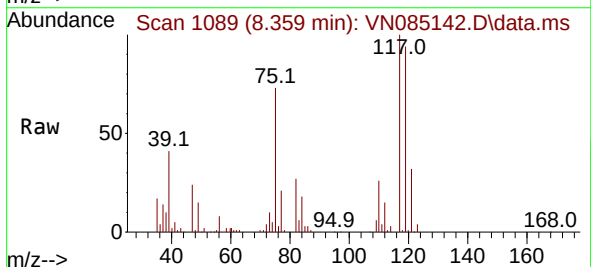
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

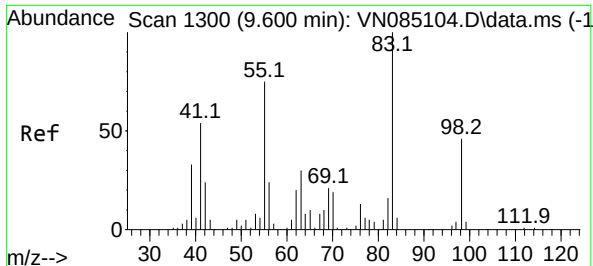
Tgt Ion: 43 Resp: 116196
Ion Ratio Lower Upper
43 100
61 13.6 11.7 17.5
70 12.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 53.041 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 117 Resp: 148269
Ion Ratio Lower Upper
117 100
119 93.8 78.6 117.8
121 31.7 24.2 36.2





#39

Methylcyclohexane

Concen: 52.424 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

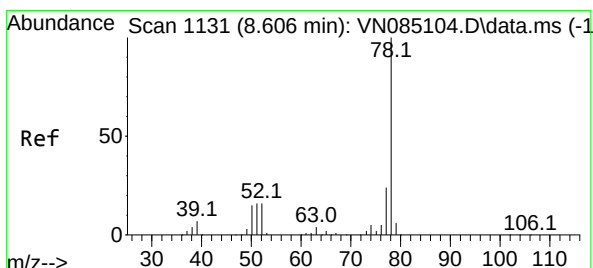
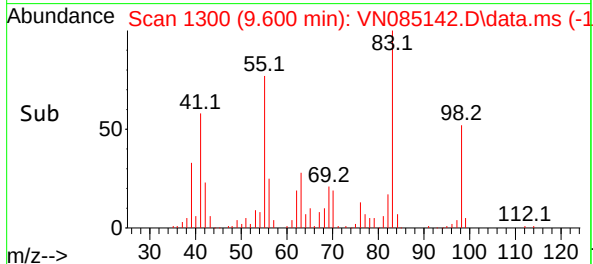
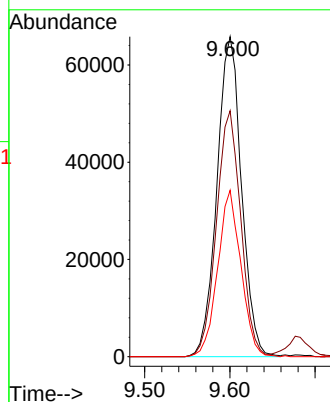
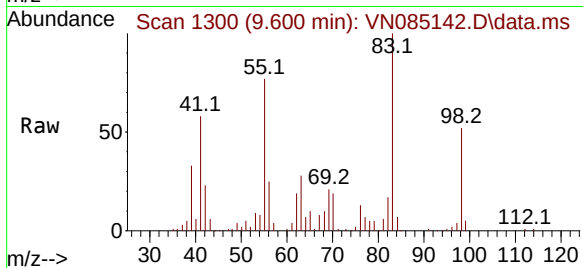
Tgt Ion: 83 Resp: 131927

Ion Ratio Lower Upper

83 100

55 76.8 61.8 92.6

98 52.0 37.0 55.6



#40

Benzene

Concen: 50.434 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085142.D

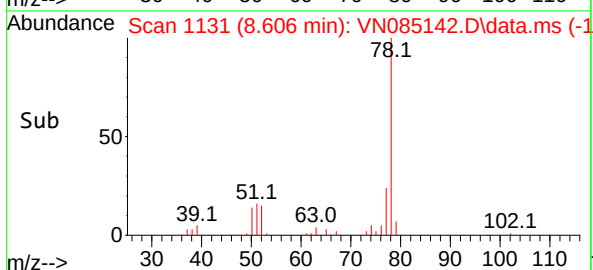
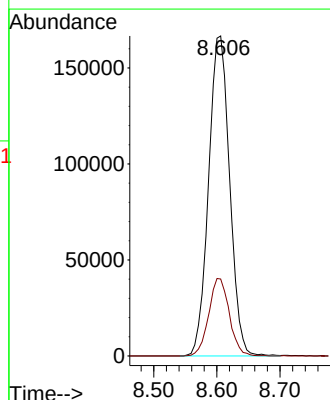
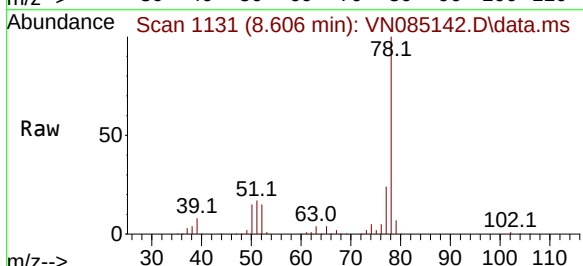
Acq: 09 Dec 2024 10:32

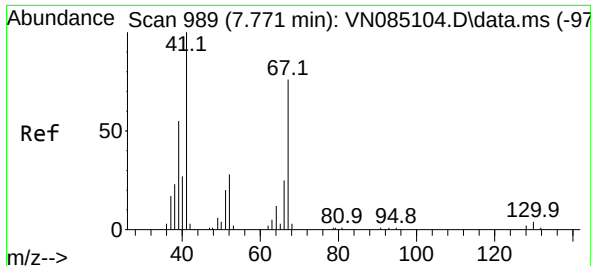
Tgt Ion: 78 Resp: 386295

Ion Ratio Lower Upper

78 100

77 24.1 18.5 27.7



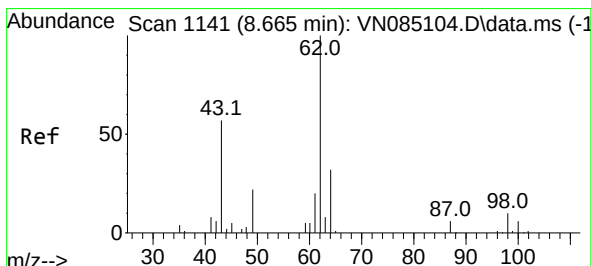
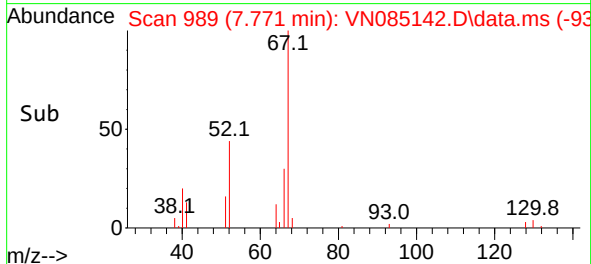
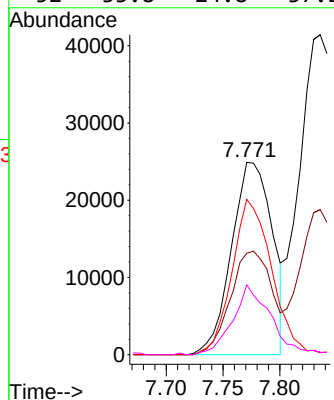
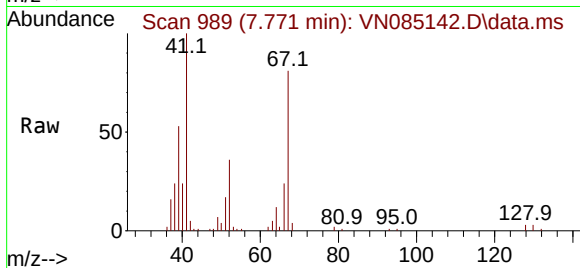


#41
Methacrylonitrile
Concen: 51.058 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 62238

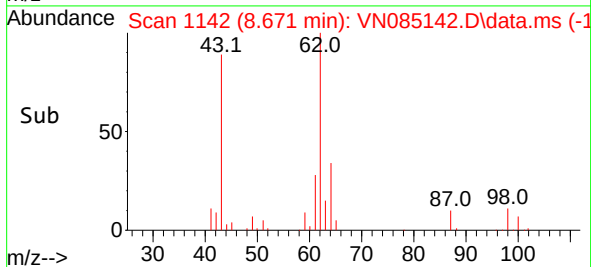
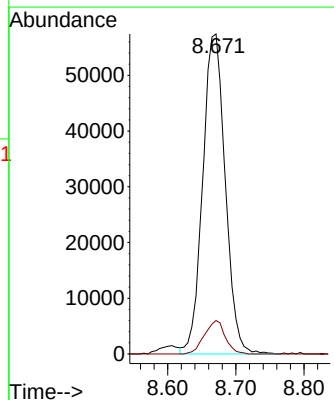
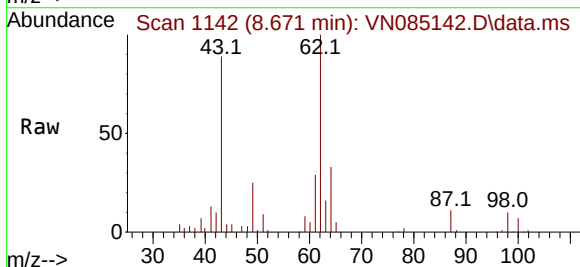
Ion	Ratio	Lower	Upper
41	100		
39	54.3	42.6	63.8
67	79.1	59.9	89.9
52	33.8	24.8	37.2

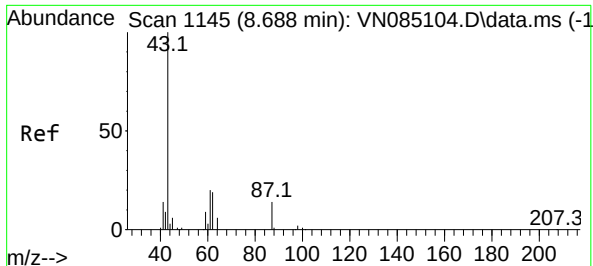


#42
1,2-Dichloroethane
Concen: 50.412 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 62 Resp: 132099

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2

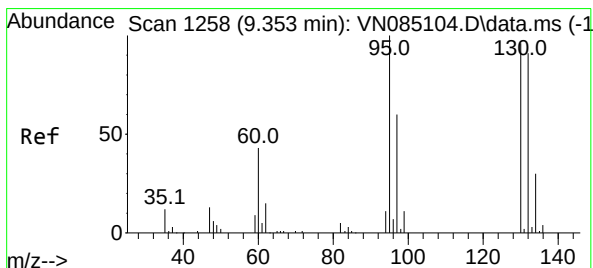
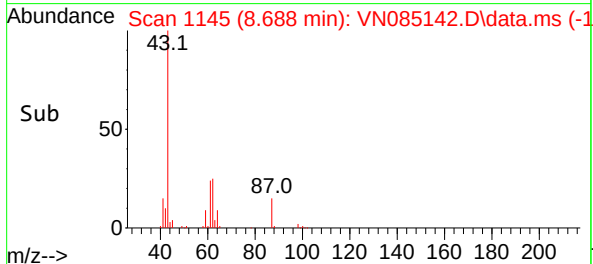
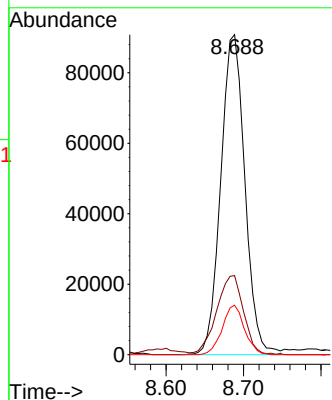
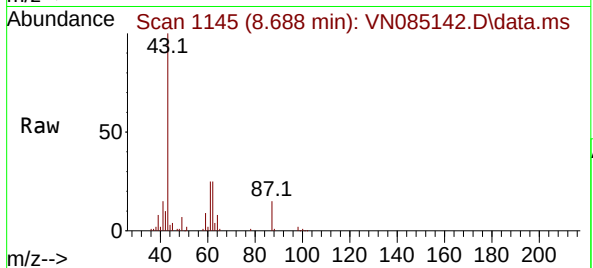




#43
Isopropyl Acetate
Concen: 43.006 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

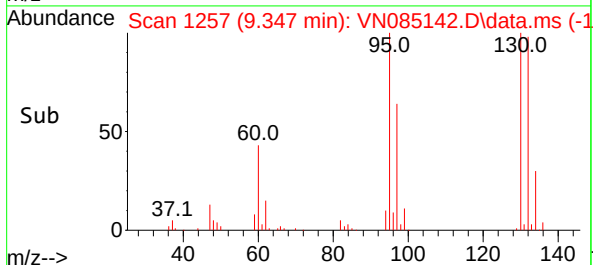
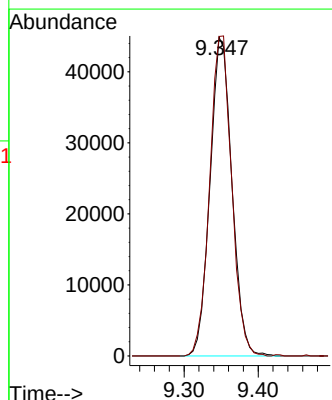
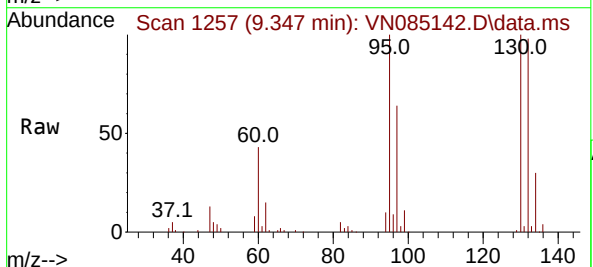
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

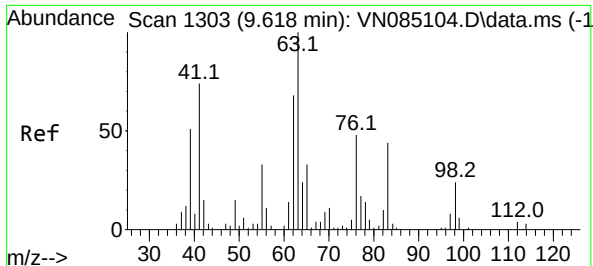
Tgt Ion: 43 Resp: 196670
Ion Ratio Lower Upper
43 100
61 27.6 20.6 30.8
87 14.2 11.0 16.4



#44
Trichloroethene
Concen: 51.660 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:130 Resp: 91956
Ion Ratio Lower Upper
130 100
95 100.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 49.272 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

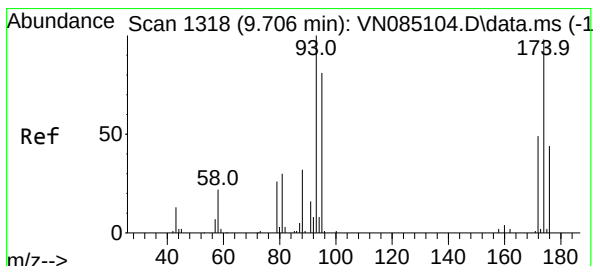
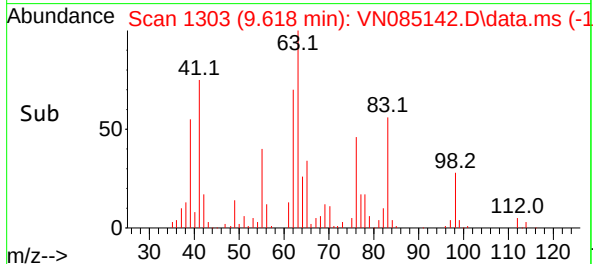
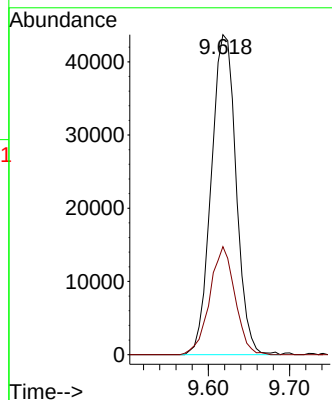
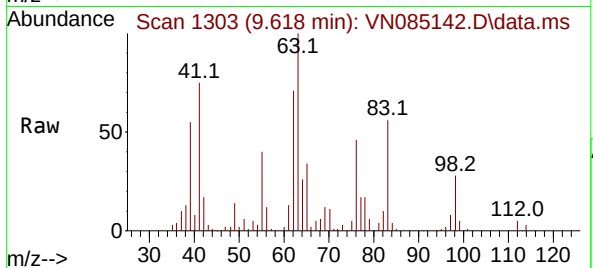
VSTDCCC050

Tgt Ion: 63 Resp: 92953

Ion Ratio Lower Upper

63 100

65 33.8 24.0 36.0



#46

Dibromomethane

Concen: 51.870 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

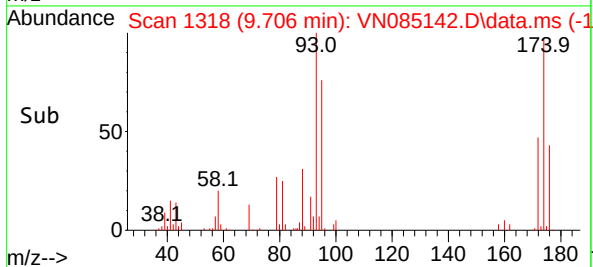
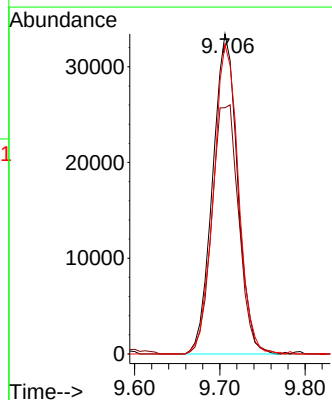
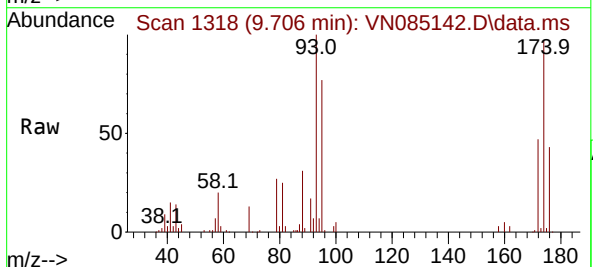
Tgt Ion: 93 Resp: 67996

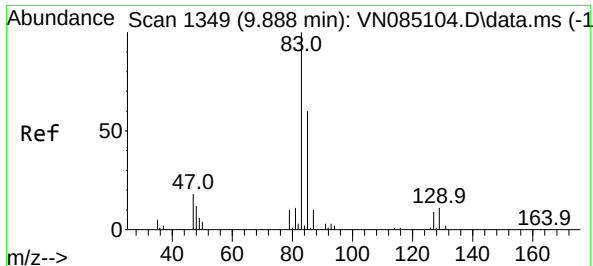
Ion Ratio Lower Upper

93 100

95 83.8 66.2 99.4

174 96.4 74.9 112.3

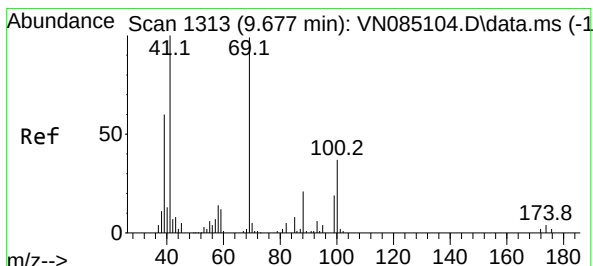
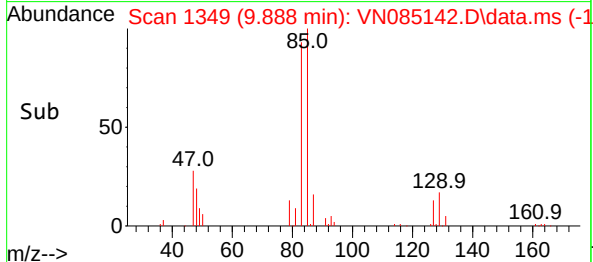
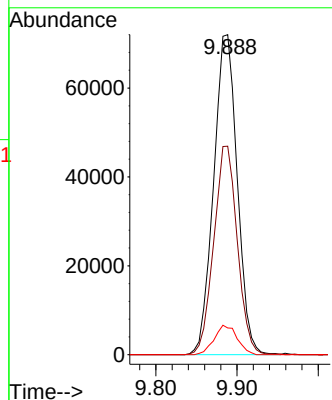
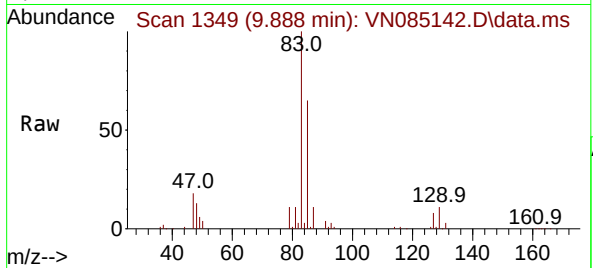




#47
Bromodichloromethane
Concen: 52.456 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

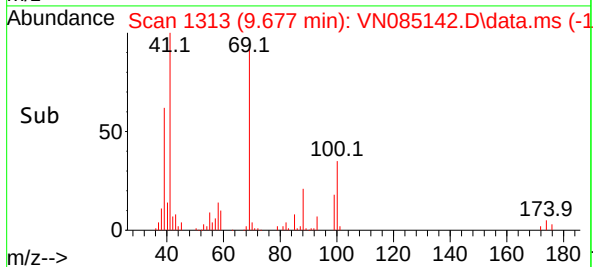
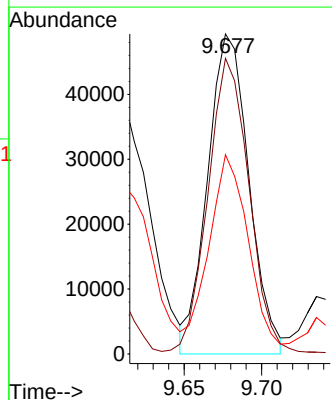
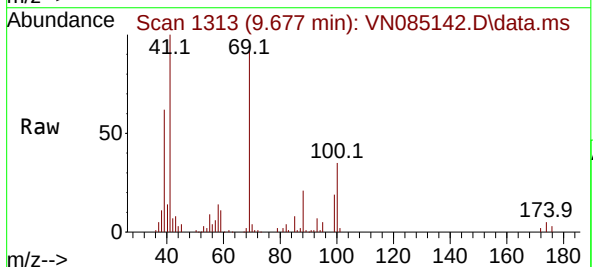
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

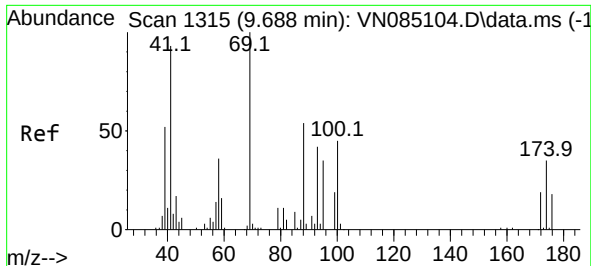
Tgt Ion: 83 Resp: 145741
Ion Ratio Lower Upper
83 100
85 65.2 50.5 75.7
127 8.3 7.1 10.7



#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 41 Resp: 91470
Ion Ratio Lower Upper
41 100
69 92.6 73.2 109.8
39 60.3 46.2 69.4





#49

1,4-Dioxane

Concen: 1260.284 ug/l

RT: 9.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

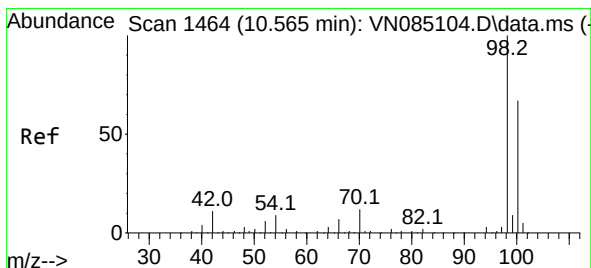
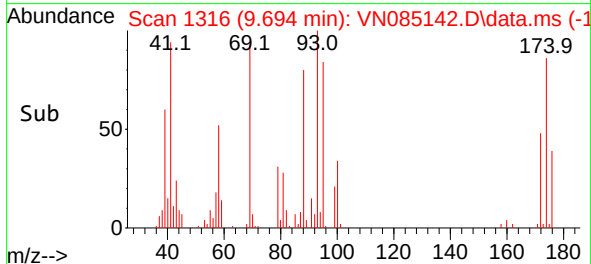
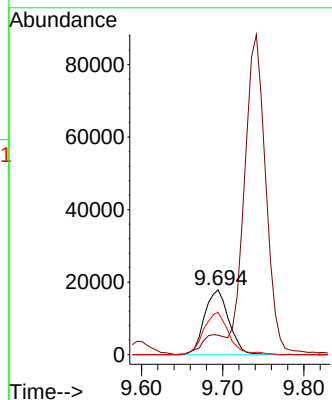
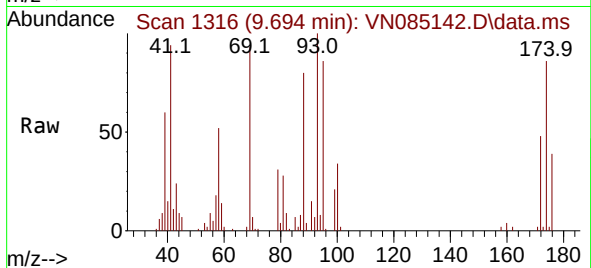
Tgt Ion: 88 Resp: 37193

Ion Ratio Lower Upper

88 100

43 32.2 16.7 25.1#

58 67.9 56.5 84.7



#50

Toluene-d8

Concen: 50.960 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085142.D

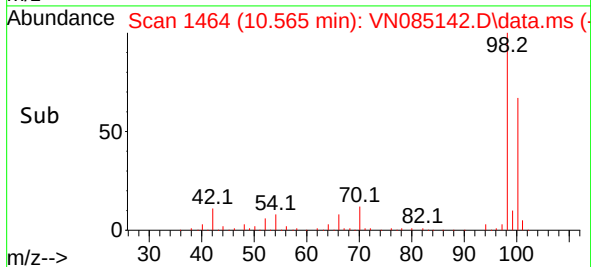
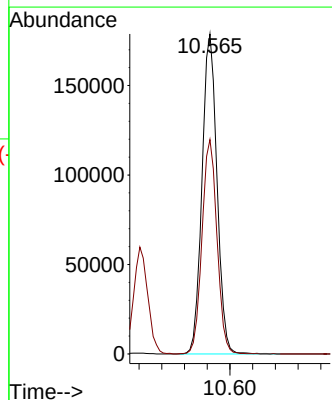
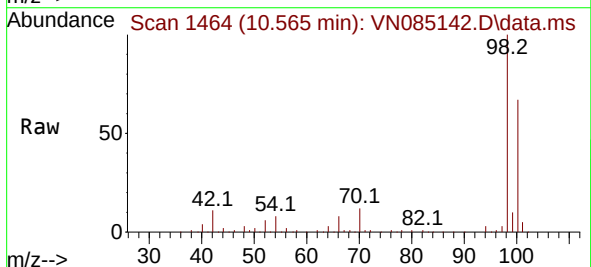
Acq: 09 Dec 2024 10:32

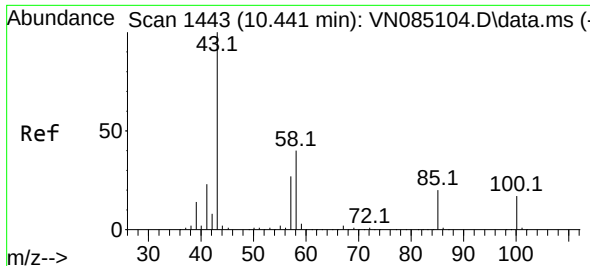
Tgt Ion: 98 Resp: 326526

Ion Ratio Lower Upper

98 100

100 67.1 52.5 78.7

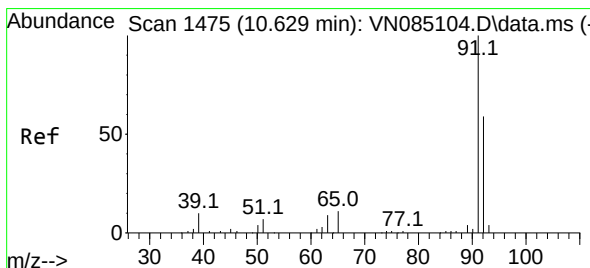
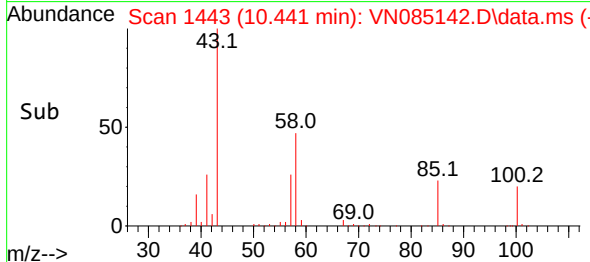
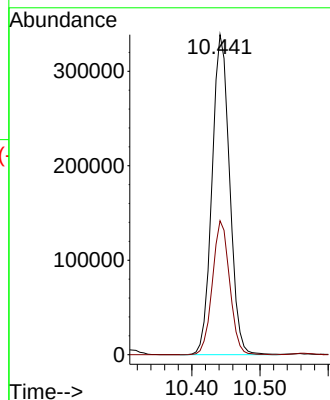
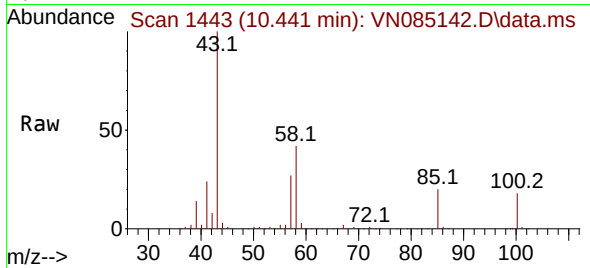




#51
4-Methyl-2-Pentanone
Concen: 291.377 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

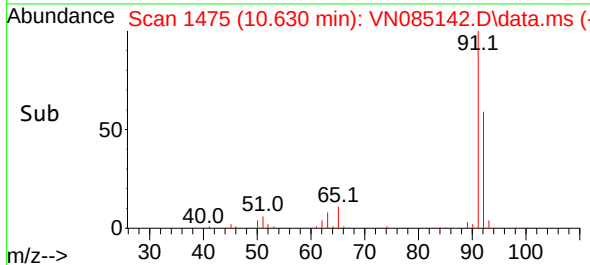
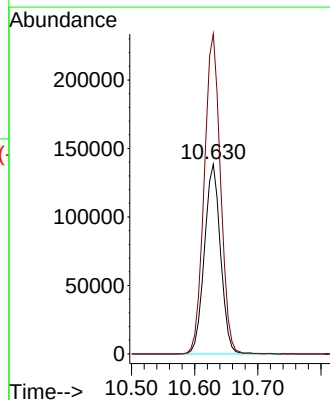
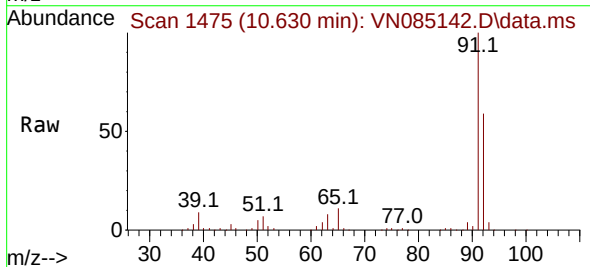
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

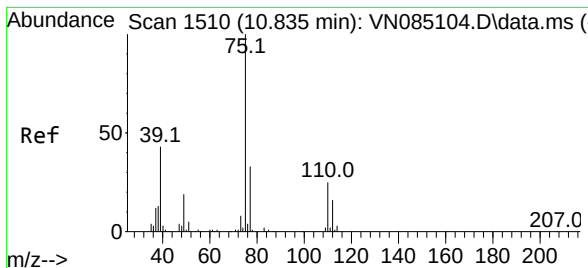
Tgt Ion: 43 Resp: 608624
Ion Ratio Lower Upper
43 100
58 41.0 32.1 48.1



#52
Toluene
Concen: 54.081 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 92 Resp: 245225
Ion Ratio Lower Upper
92 100
91 170.5 136.7 205.1

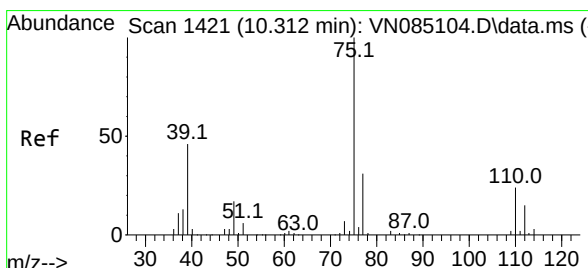
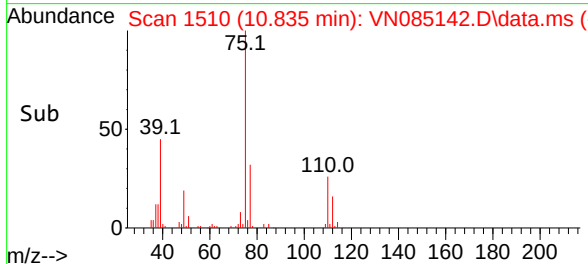
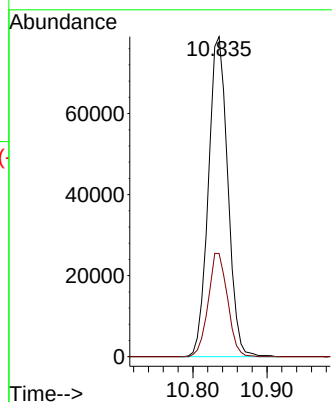
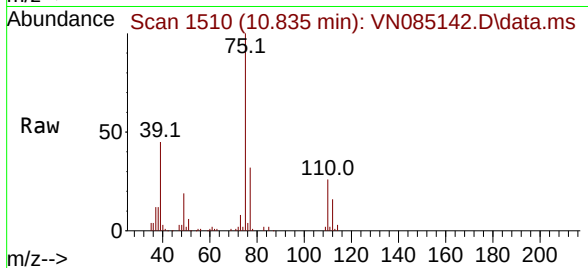




#53
t-1,3-Dichloropropene
Concen: 51.589 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

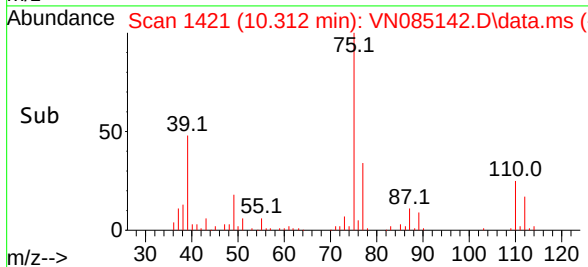
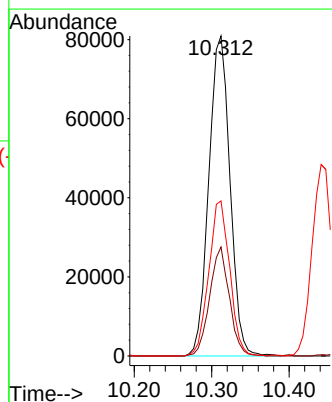
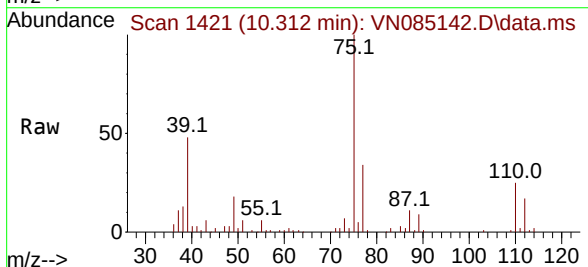
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

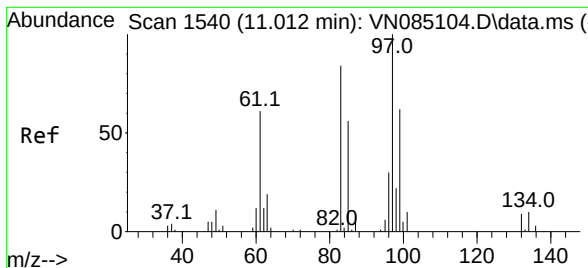
Tgt Ion: 75 Resp: 143697
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 51.984 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 153615
Ion Ratio Lower Upper
75 100
77 34.0 25.0 37.4
39 48.4 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 54.241 ug/l

RT: 11.012 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 91610

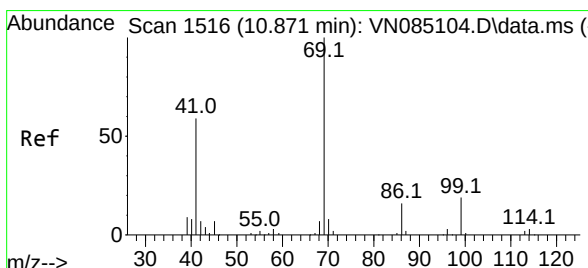
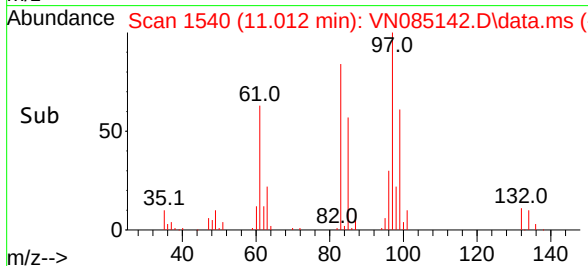
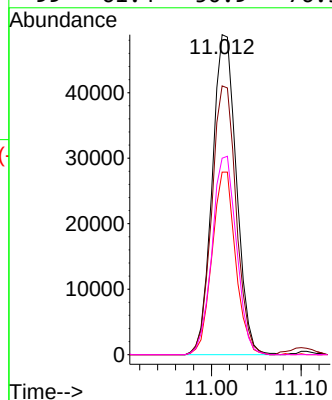
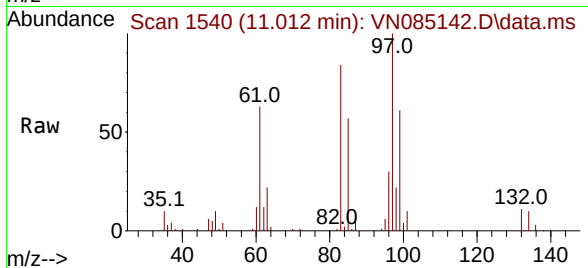
Ion Ratio Lower Upper

97 100

83 84.0 67.4 101.2

85 57.0 43.1 64.7

99 61.4 50.9 76.3



#56

Ethyl methacrylate

Concen: 58.759 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

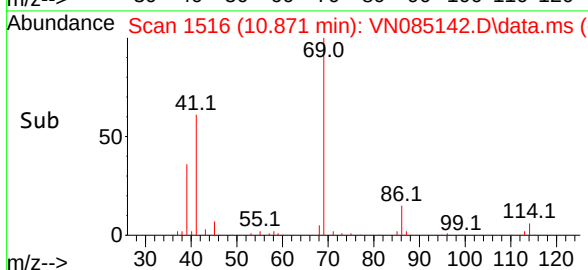
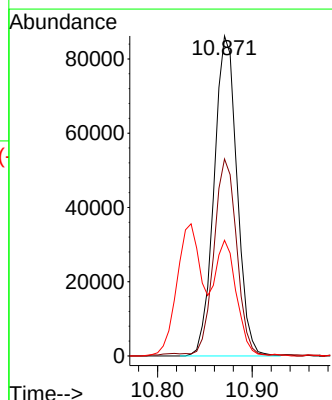
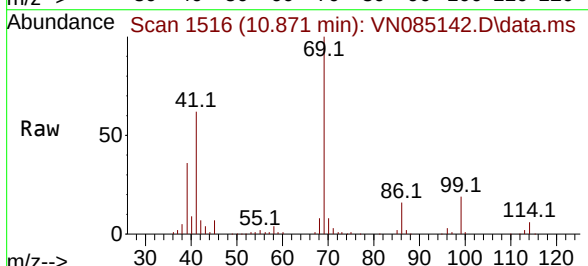
Tgt Ion: 69 Resp: 145017

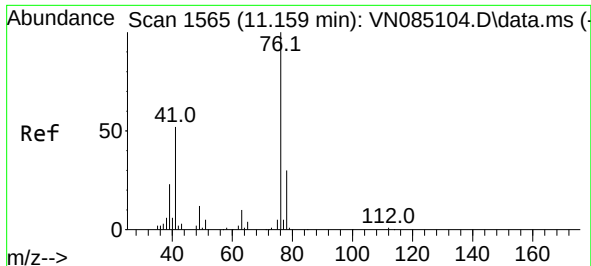
Ion Ratio Lower Upper

69 100

41 60.6 50.0 75.0

39 33.6 27.0 40.6





#57

1,3-Dichloropropane

Concen: 52.074 ug/l

RT: 11.165 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

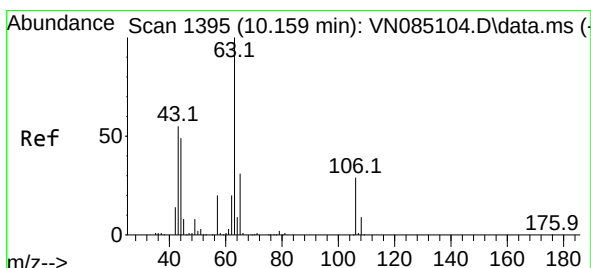
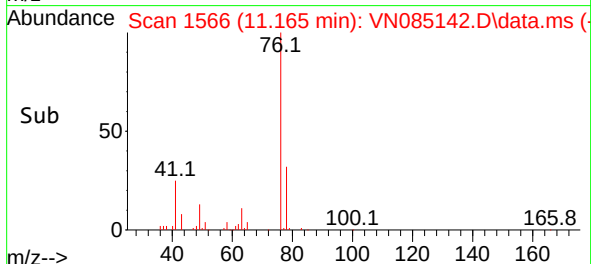
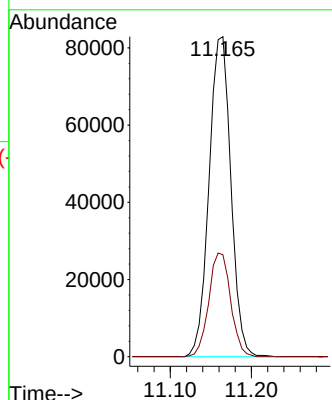
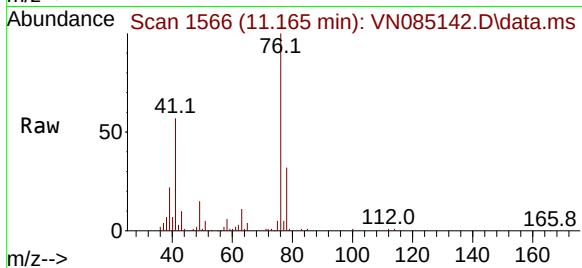
VSTDCCC050

Tgt Ion: 76 Resp: 154792

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 258.243 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085142.D

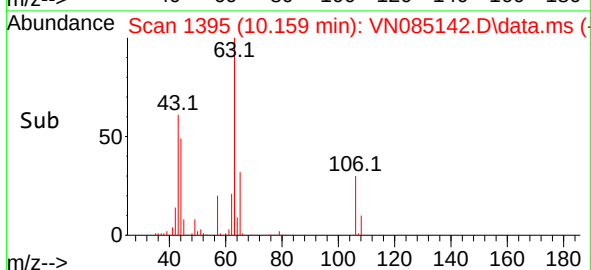
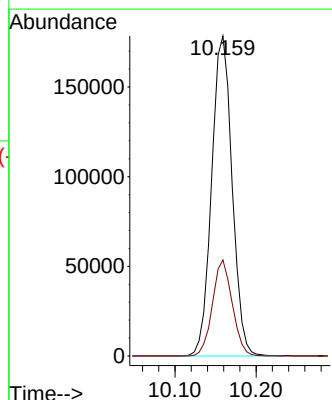
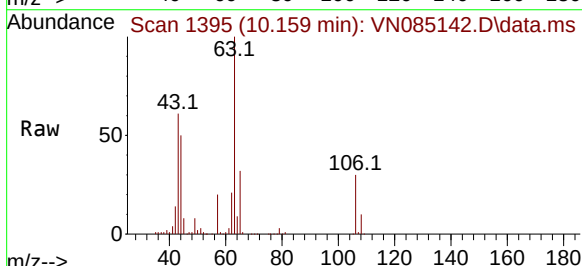
Acq: 09 Dec 2024 10:32

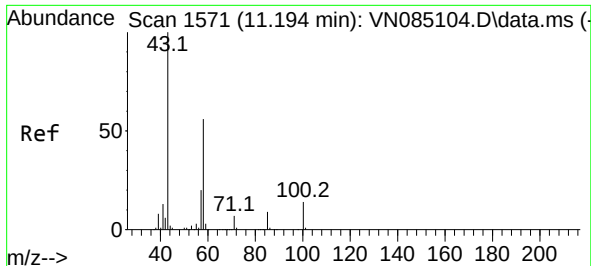
Tgt Ion: 63 Resp: 312633

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6

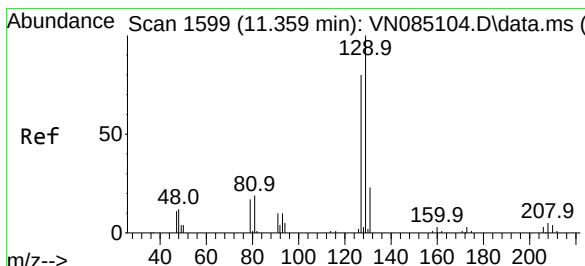
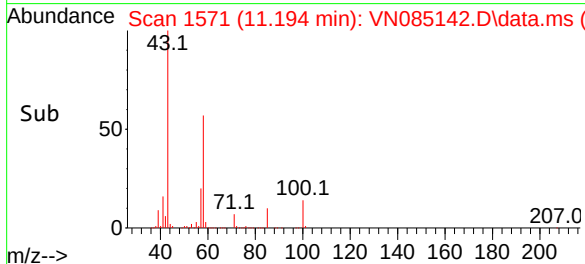
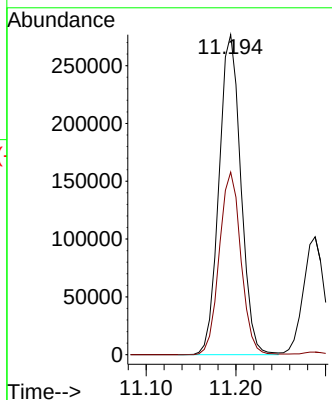
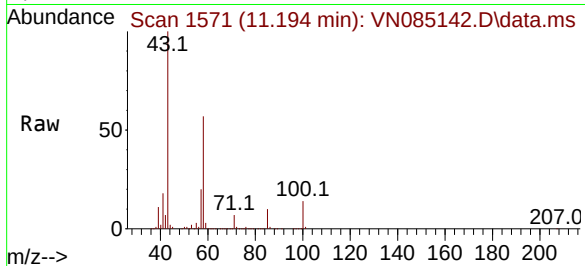




#59
2-Hexanone
Concen: 299.229 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

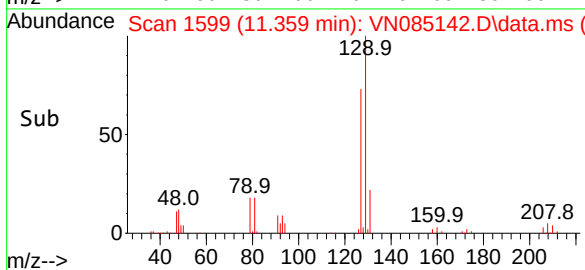
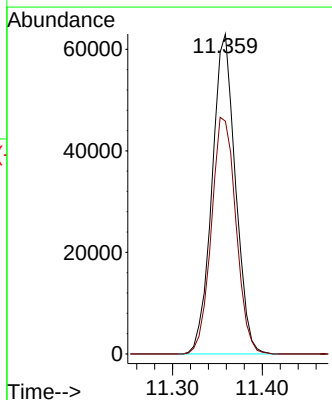
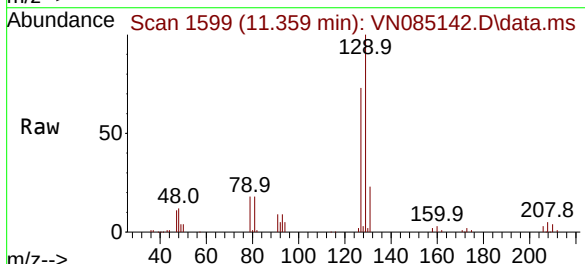
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

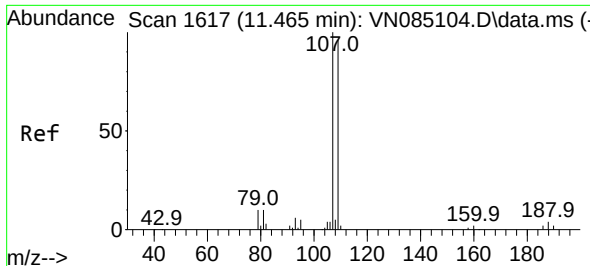
Tgt Ion: 43 Resp: 467460
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0



#60
Dibromochloromethane
Concen: 55.238 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 129 Resp: 114019
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6

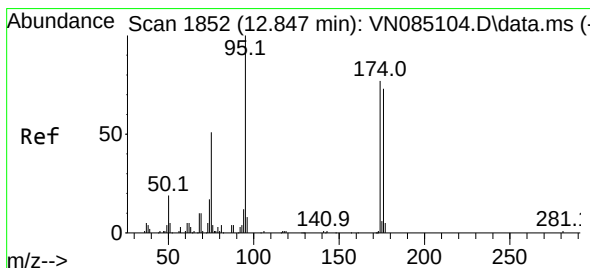
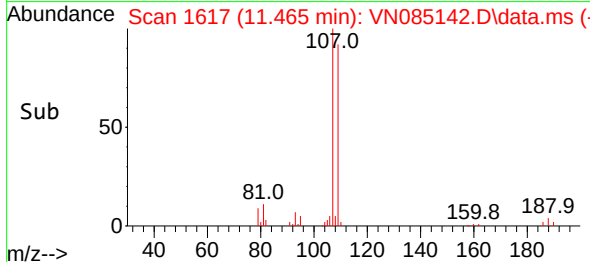
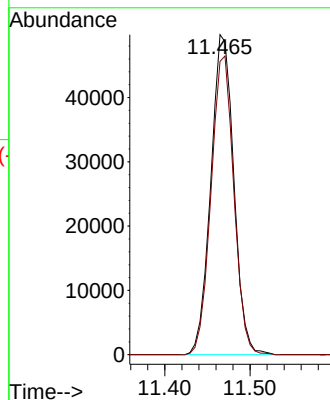
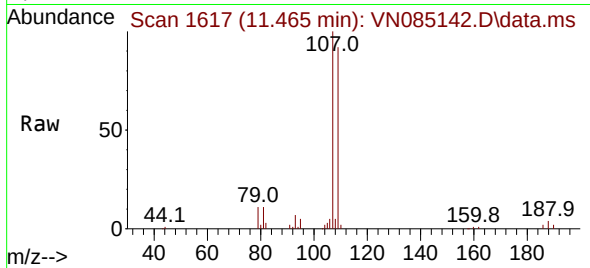




#61
1,2-Dibromoethane
Concen: 53.317 ug/l
RT: 11.465 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

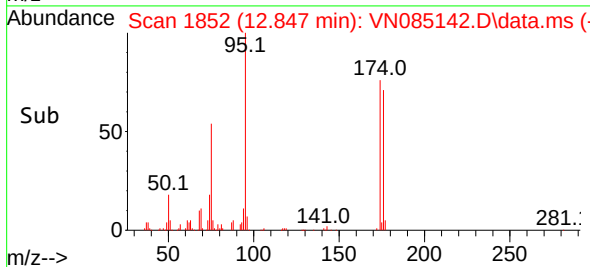
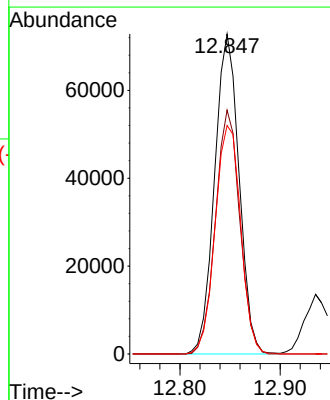
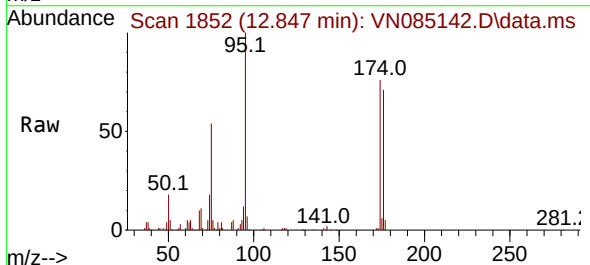
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

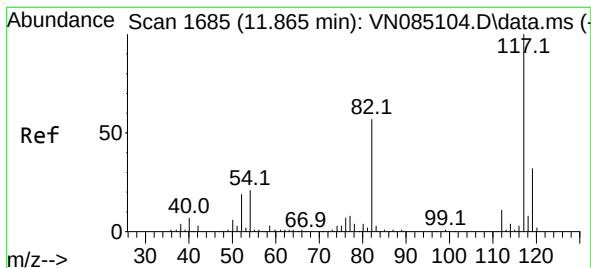
Tgt Ion:107 Resp: 93195
Ion Ratio Lower Upper
107 100
109 92.3 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 51.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 95 Resp: 123192
Ion Ratio Lower Upper
95 100
174 76.0 0.0 146.6
176 74.5 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

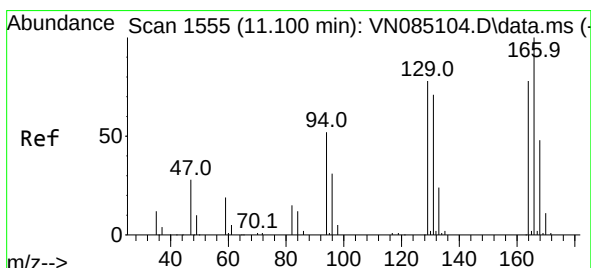
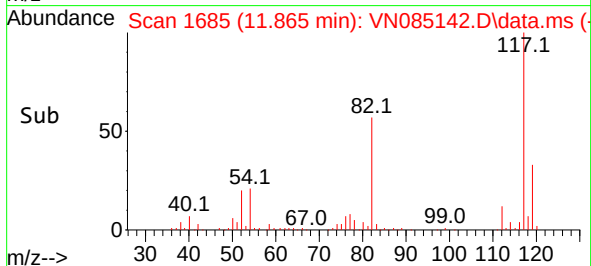
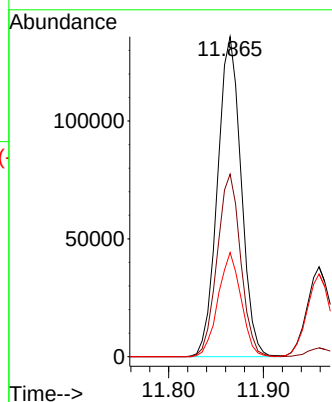
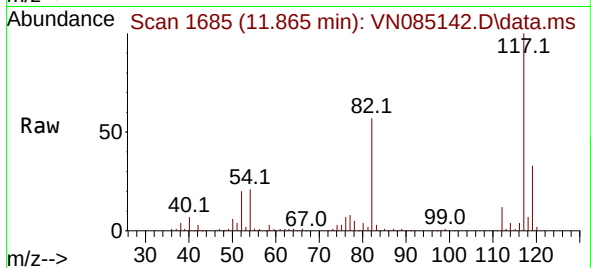
Tgt Ion:117 Resp: 235660

Ion Ratio Lower Upper

117 100

82 57.1 46.0 69.0

119 32.6 25.6 38.4



#64

Tetrachloroethene

Concen: 52.620 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085142.D

Acq: 09 Dec 2024 10:32

Tgt Ion:164 Resp: 83557

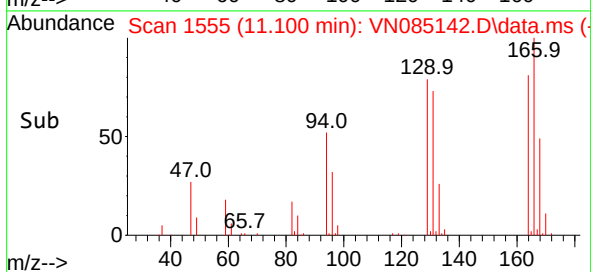
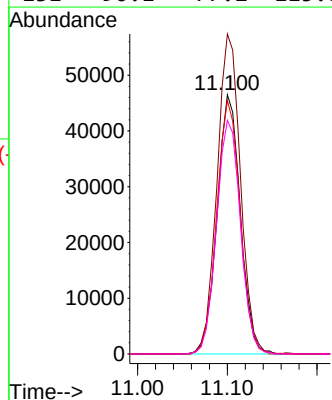
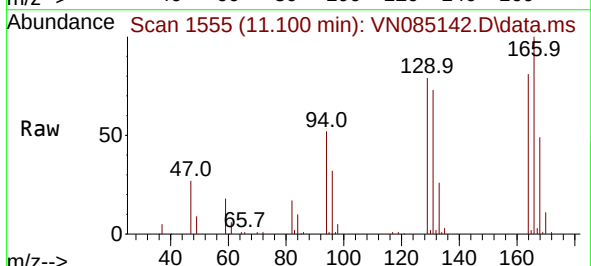
Ion Ratio Lower Upper

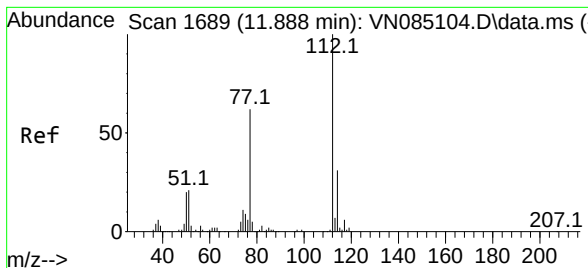
164 100

166 123.5 100.6 151.0

129 97.8 77.7 116.5

131 90.1 77.2 115.8

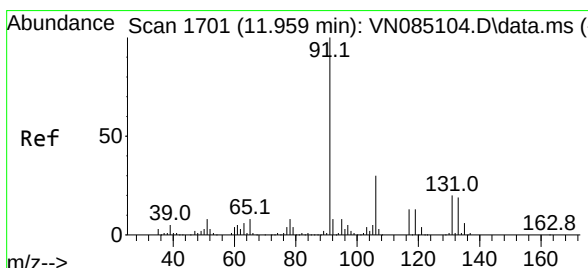
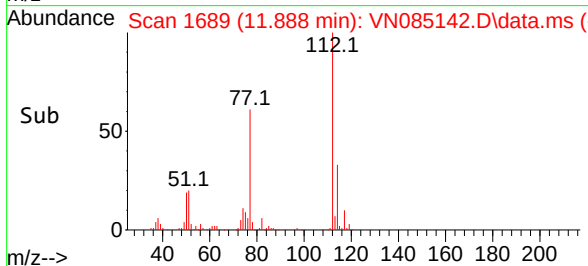
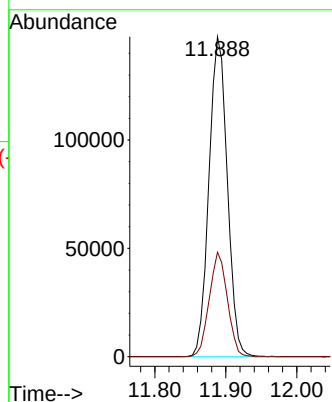
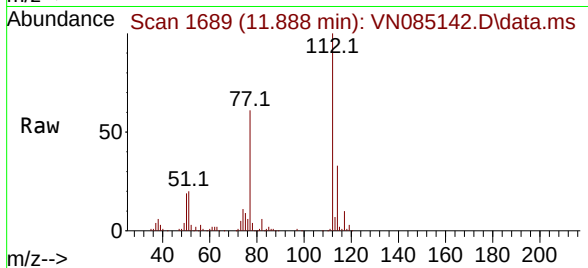




#65
Chlorobenzene
Concen: 49.550 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

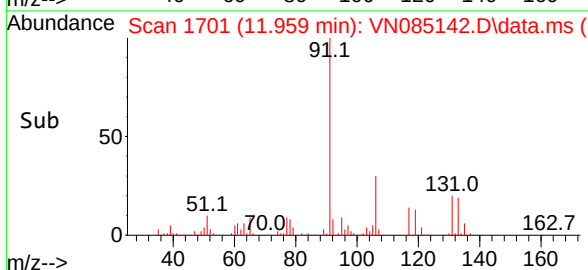
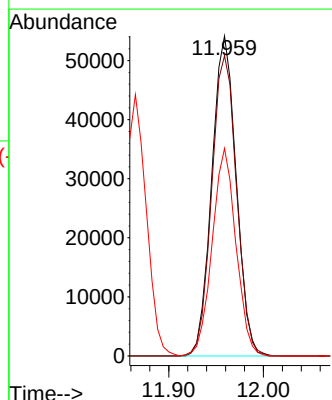
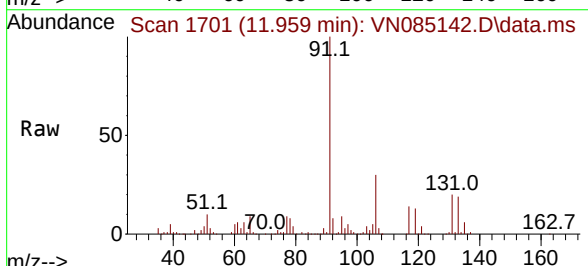
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

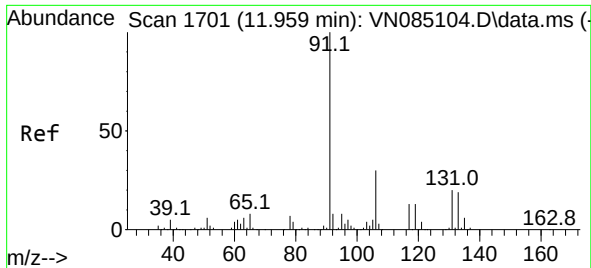
Tgt Ion:112 Resp: 264819
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.493 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:131 Resp: 96896
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.4
119 63.3 32.1 96.3

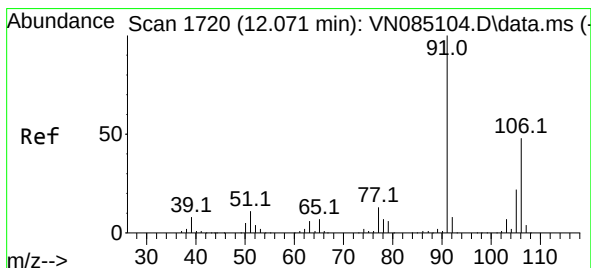
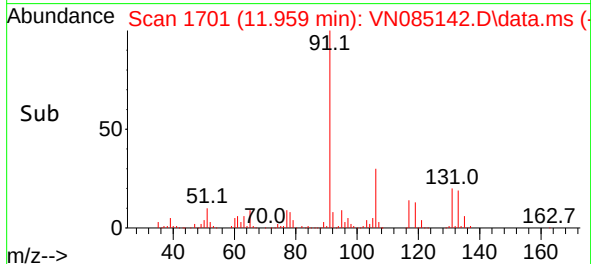
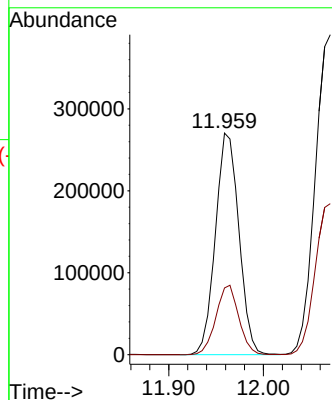
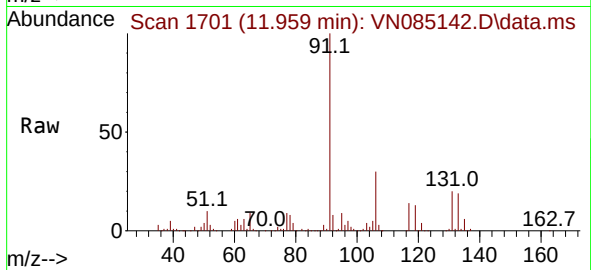




#67
Ethyl Benzene
Concen: 53.779 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

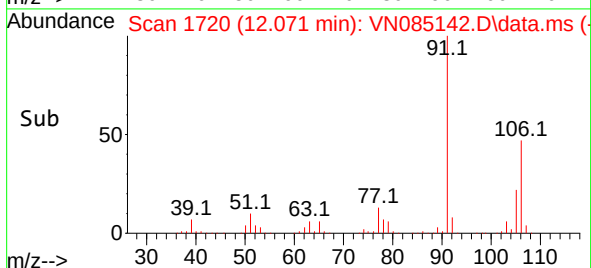
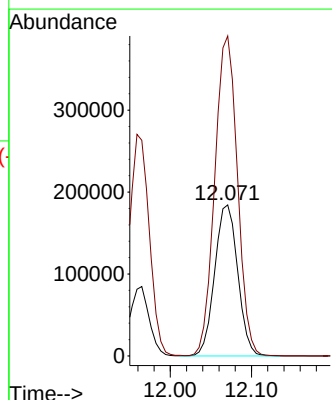
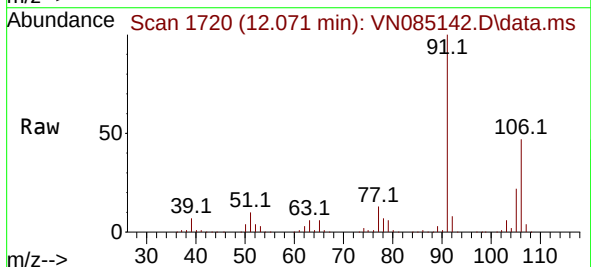
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

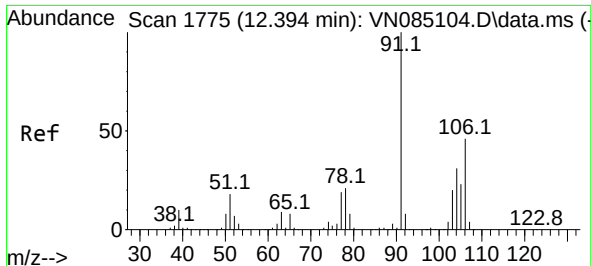
Tgt Ion: 91 Resp: 466309
Ion Ratio Lower Upper
91 100
106 30.1 24.7 37.1



#68
m/p-Xylenes
Concen: 109.841 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:106 Resp: 362598
Ion Ratio Lower Upper
106 100
91 209.6 168.0 252.0

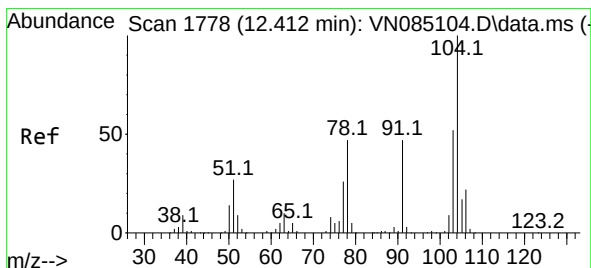
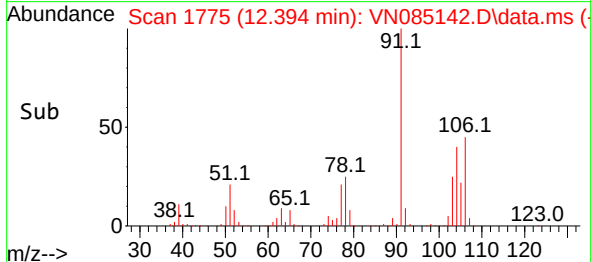
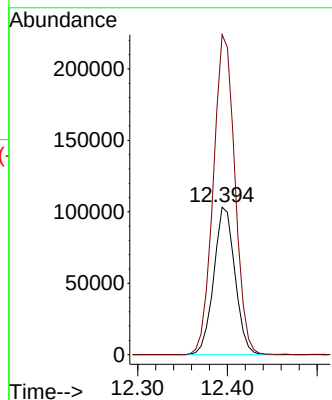
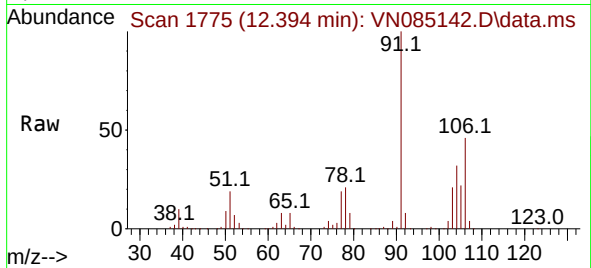




#69
o-Xylene
Concen: 53.945 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

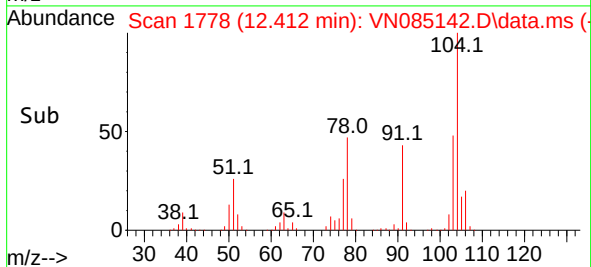
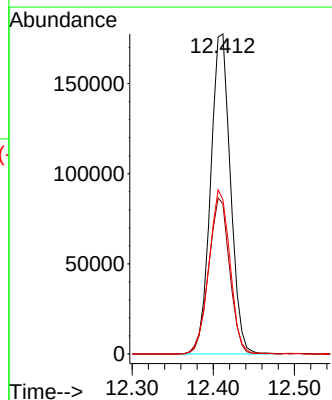
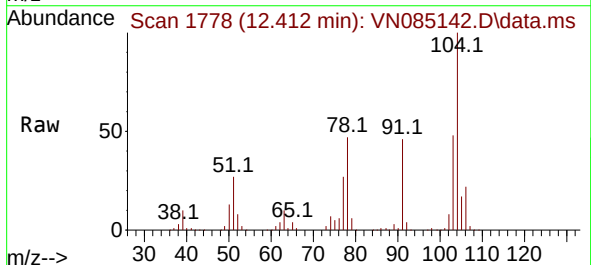
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

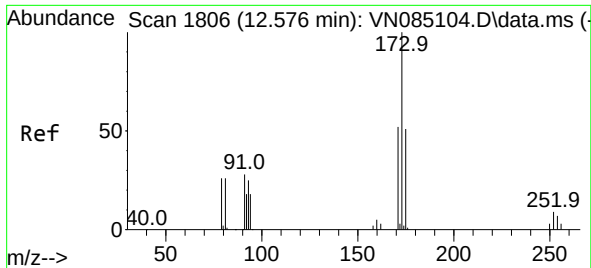
Tgt Ion:106 Resp: 169397
Ion Ratio Lower Upper
106 100
91 221.5 110.7 331.9



#70
Styrene
Concen: 57.790 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:104 Resp: 301784
Ion Ratio Lower Upper
104 100
78 51.7 42.3 63.5
103 54.2 44.2 66.2

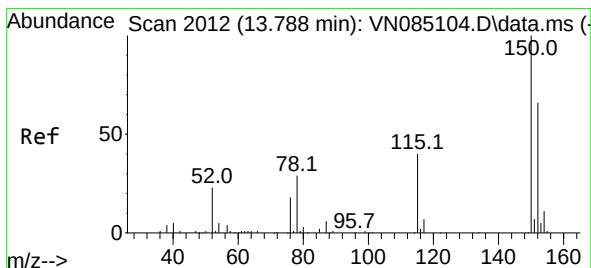
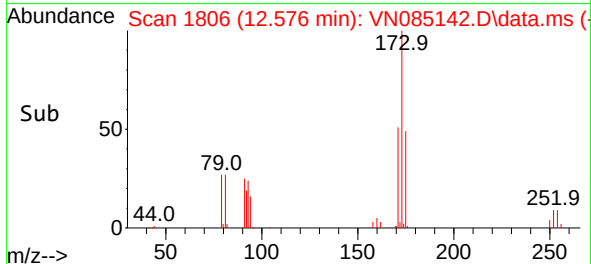
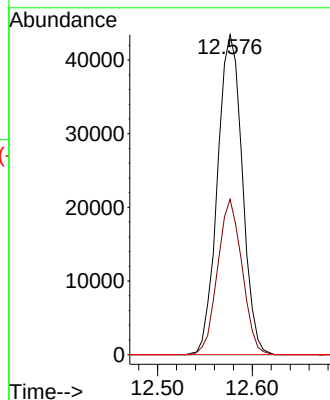
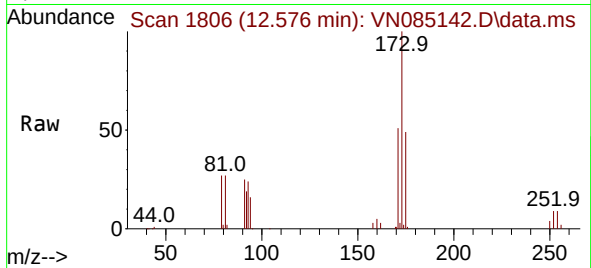




#71
Bromoform
Concen: 56.742 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

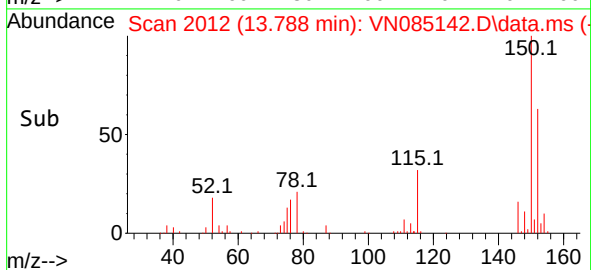
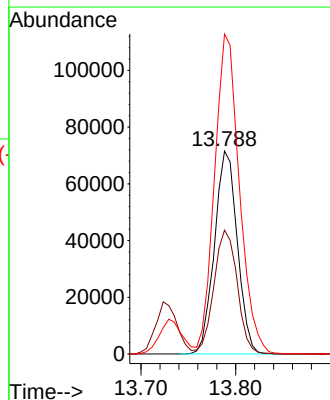
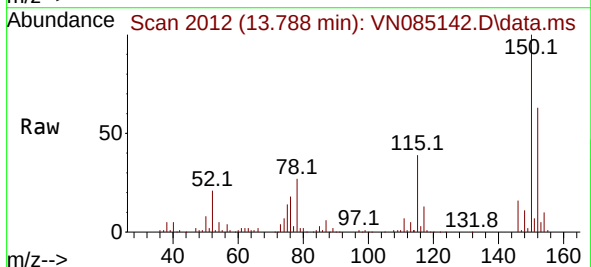
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

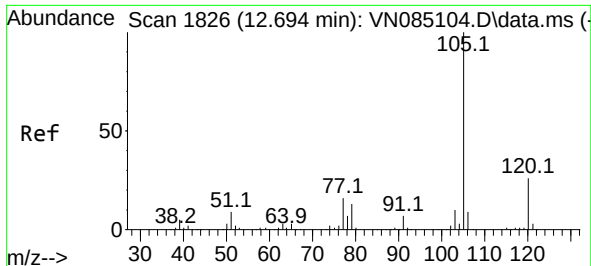
Tgt Ion:173 Resp: 79256
Ion Ratio Lower Upper
173 100
175 47.7 23.8 71.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:152 Resp: 120023
Ion Ratio Lower Upper
152 100
115 62.3 31.7 95.1
150 171.3 0.0 351.4

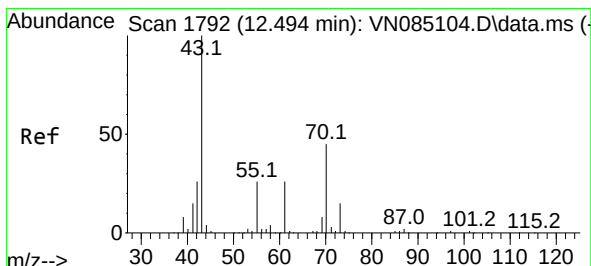
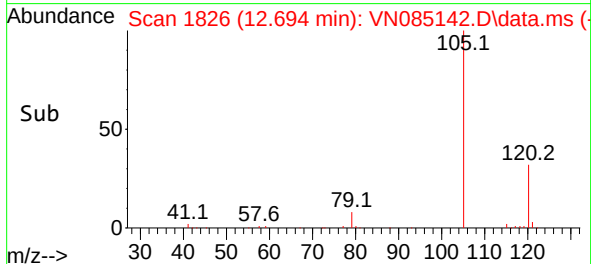
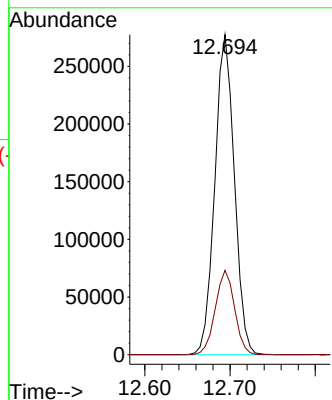
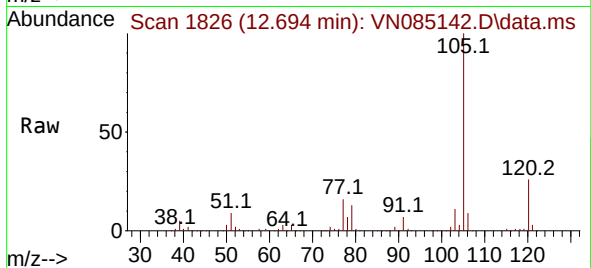




#73
Isopropylbenzene
Concen: 52.158 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

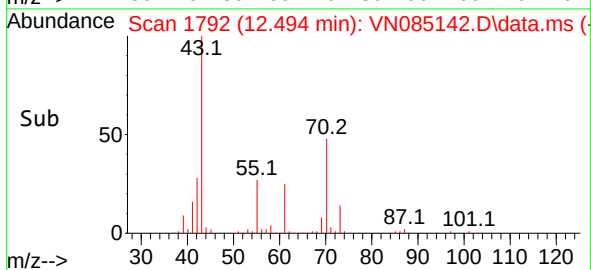
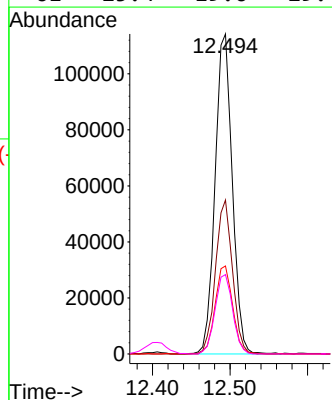
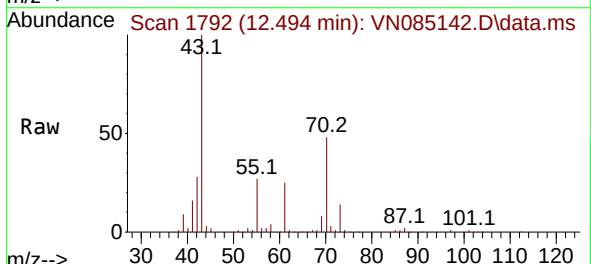
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

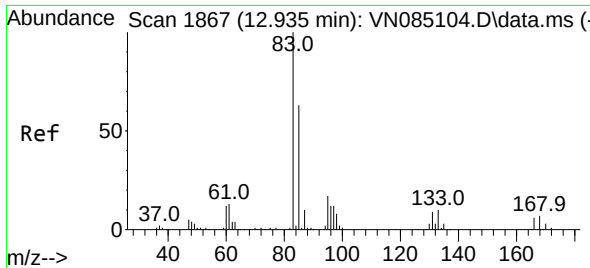
Tgt Ion:105 Resp: 441629
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0



#74
N-ethyl acetate
Concen: 50.480 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 43 Resp: 176132
Ion Ratio Lower Upper
43 100
70 47.3 34.6 51.8
55 28.0 20.5 30.7
61 25.4 19.6 29.4

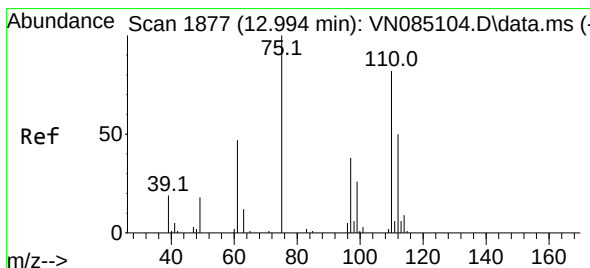
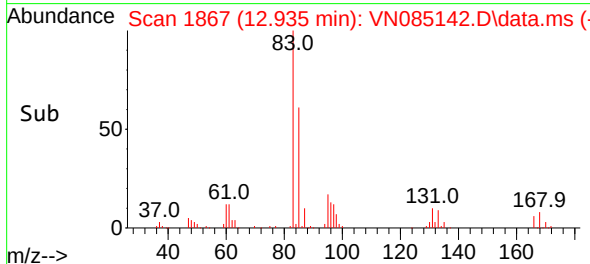
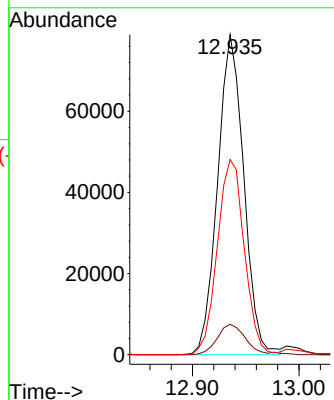
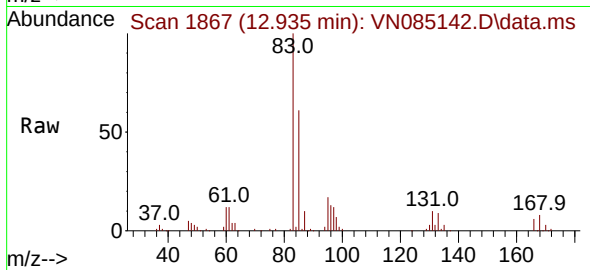




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.462 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.000 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

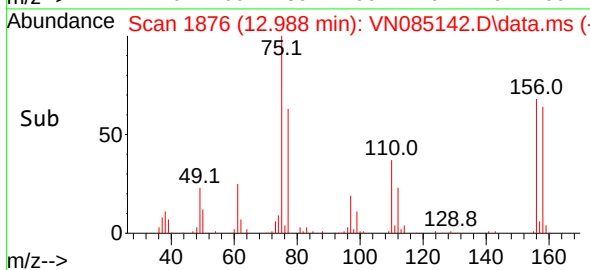
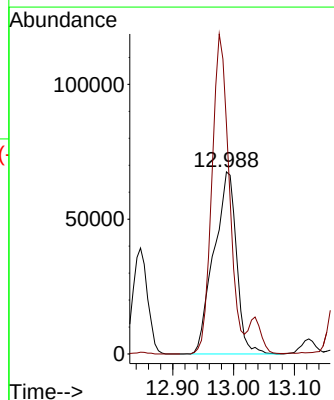
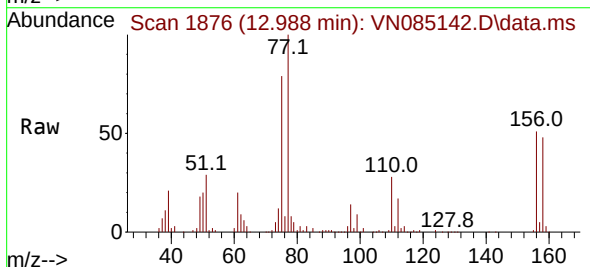
Instrument :
 MSVOA_N
 ClientSampleId :
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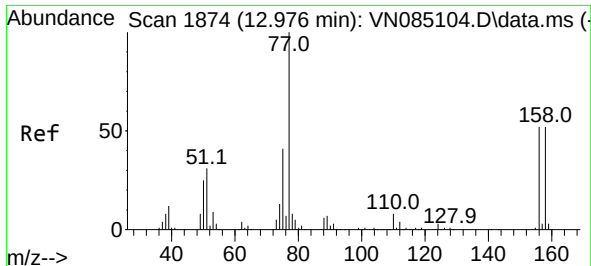
Tgt Ion: 83 Resp: 134339
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.1 15.4
 85 62.9 32.1 96.3



#76
 1,2,3-Trichloropropane
 Concen: 79.662 ug/l
 RT: 12.988 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 173913
 Ion Ratio Lower Upper
 75 100
 77 134.2 109.1 327.4

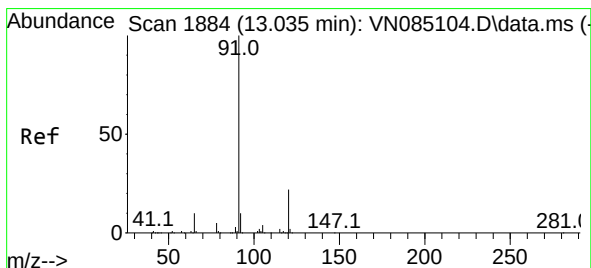
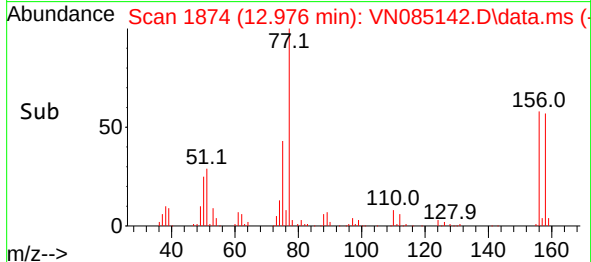
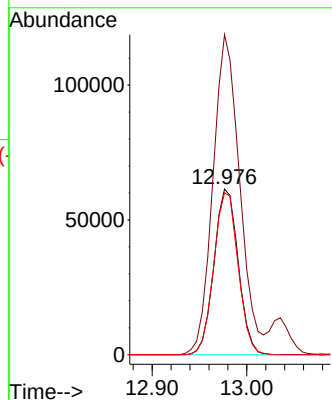
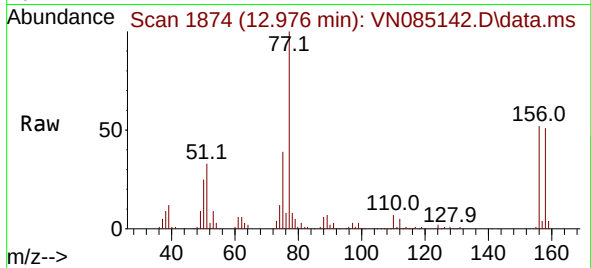




#77
Bromobenzene
Concen: 48.098 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

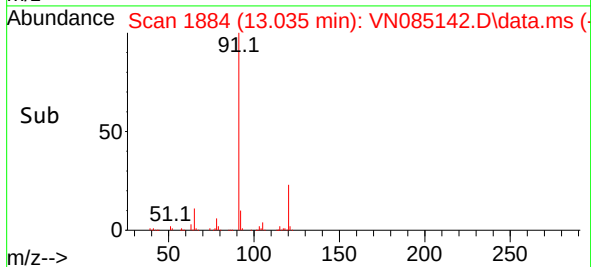
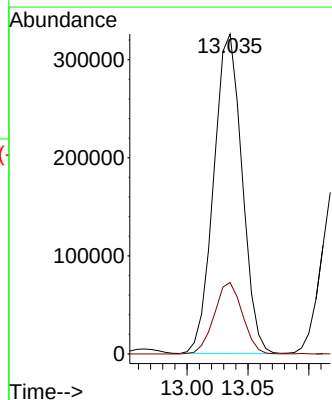
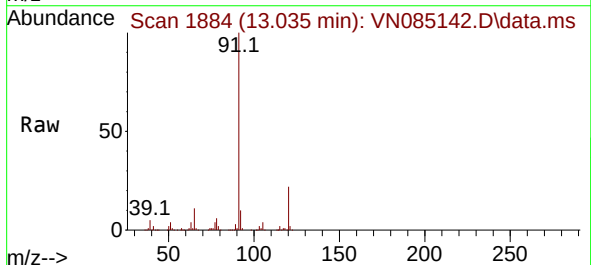
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

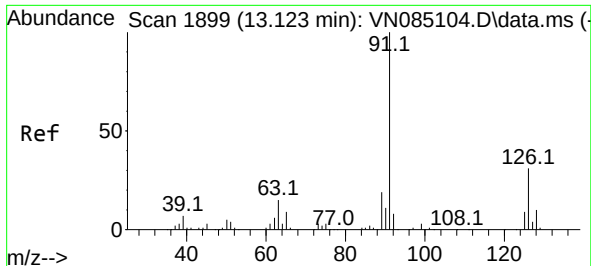
Tgt Ion:156 Resp: 109596
Ion Ratio Lower Upper
156 100
77 213.0 107.2 321.6
158 97.8 48.5 145.6



#78
n-propylbenzene
Concen: 54.068 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 528037
Ion Ratio Lower Upper
91 100
120 22.3 11.3 33.9

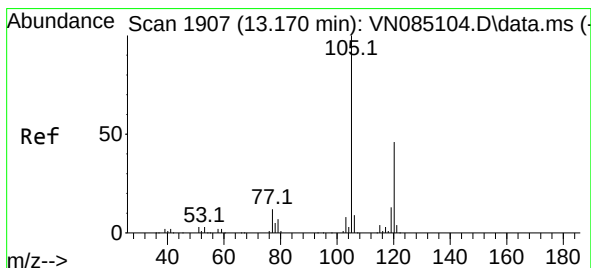
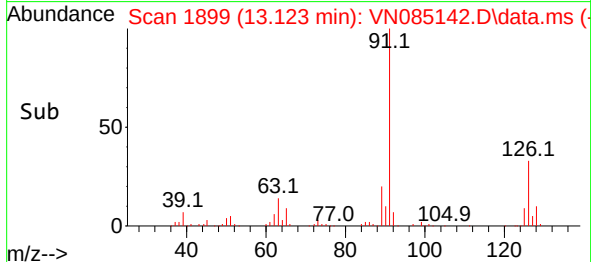
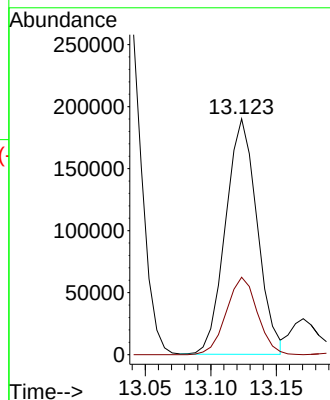
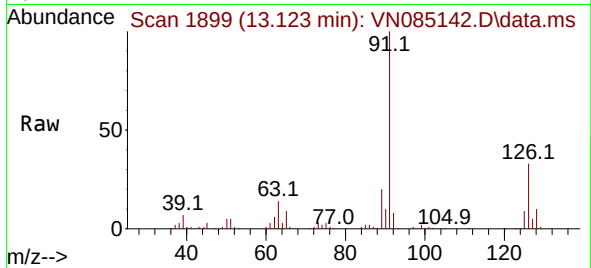




#79
2-Chlorotoluene
Concen: 48.981 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

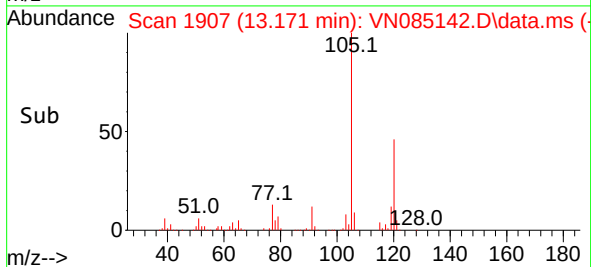
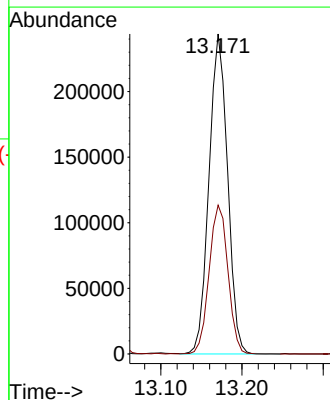
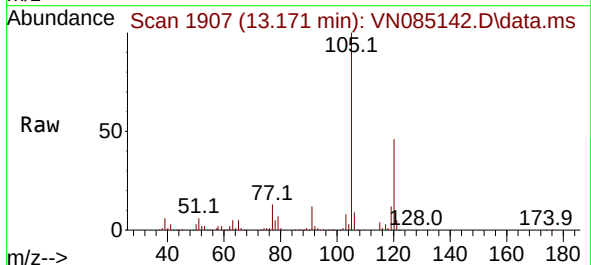
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

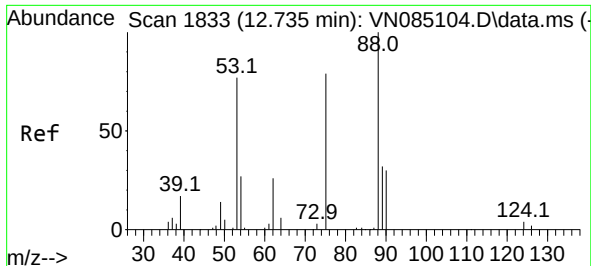
Tgt Ion: 91 Resp: 319326
Ion Ratio Lower Upper
91 100
126 32.3 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 54.491 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 105 Resp: 387163
Ion Ratio Lower Upper
105 100
120 47.1 23.6 71.0

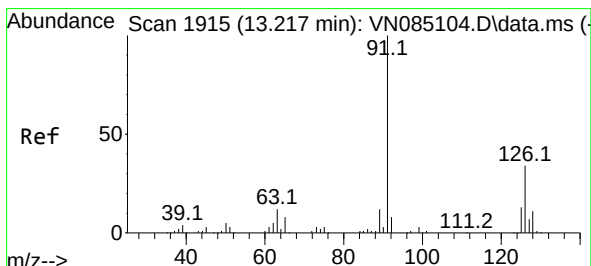
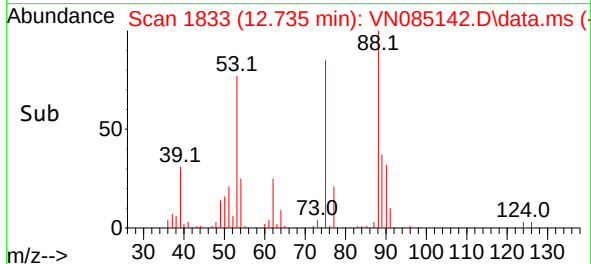
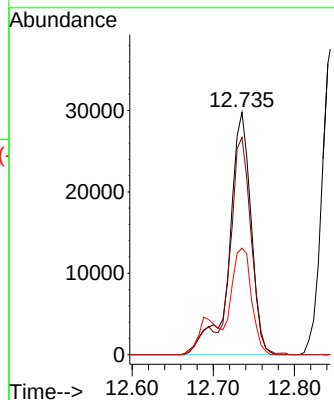
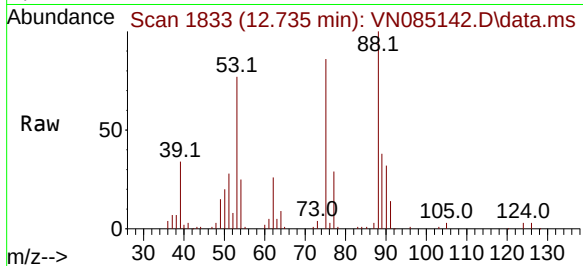




#81
trans-1,4-Dichloro-2-butene
Concen: 55.884 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

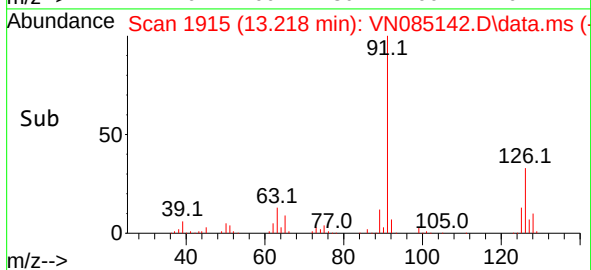
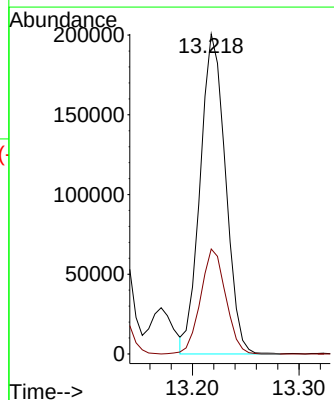
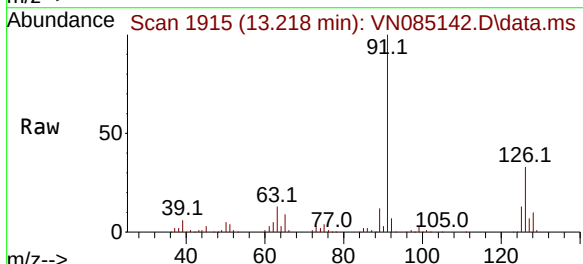
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

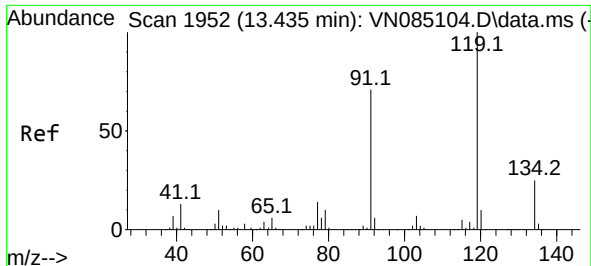
Tgt Ion: 75 Resp: 55265
Ion Ratio Lower Upper
75 100
53 82.4 78.2 117.4
89 40.1 37.9 56.9



#82
4-Chlorotoluene
Concen: 48.778 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 91 Resp: 331046
Ion Ratio Lower Upper
91 100
126 32.5 16.1 48.3

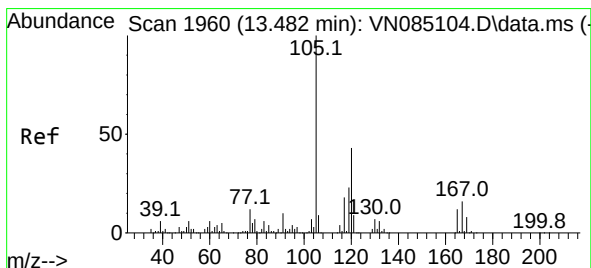
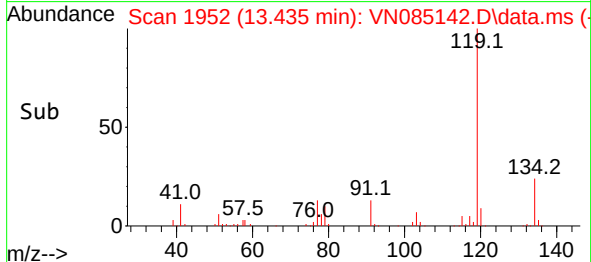
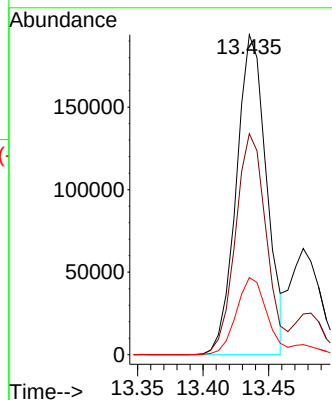
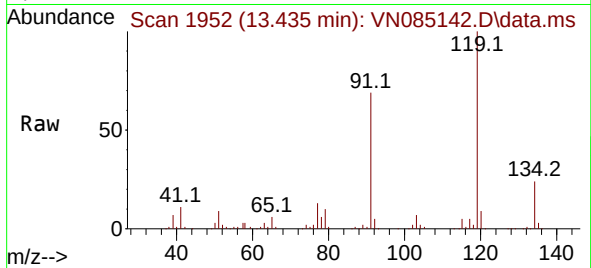




#83
 tert-Butylbenzene
 Concen: 50.852 ug/l
 RT: 13.435 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

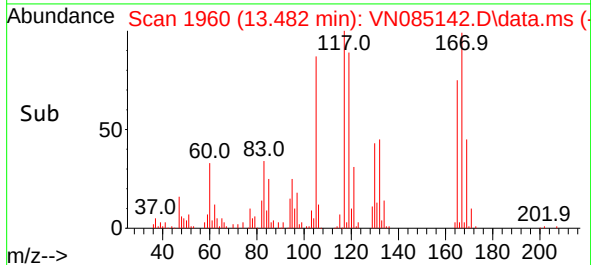
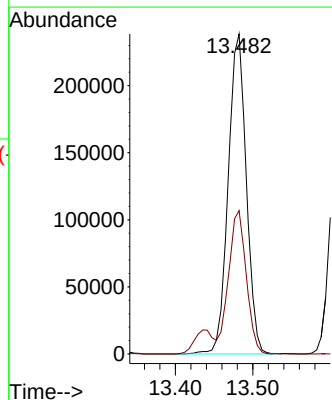
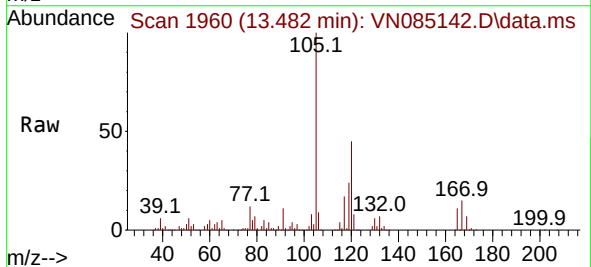
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

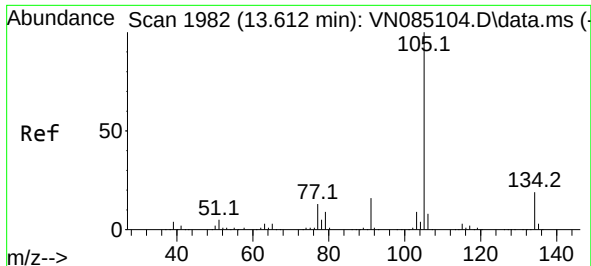
Tgt Ion:119 Resp: 310870
 Ion Ratio Lower Upper
 119 100
 91 71.2 35.1 105.5
 134 24.5 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 53.047 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.006 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion:105 Resp: 387968
 Ion Ratio Lower Upper
 105 100
 120 43.9 21.8 65.4

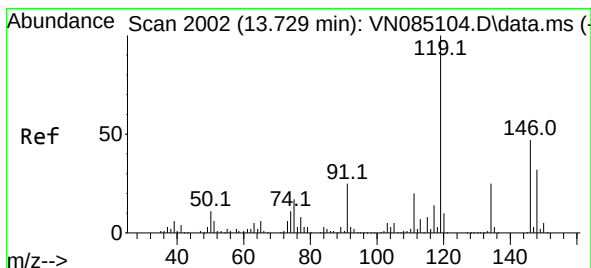
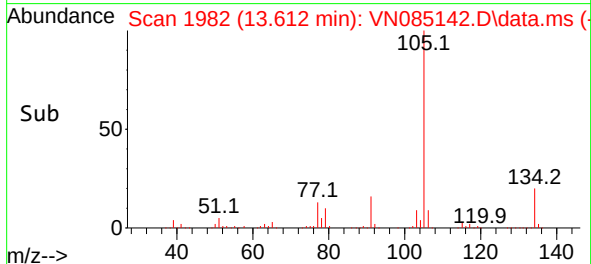
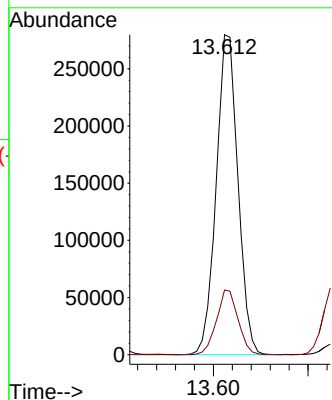
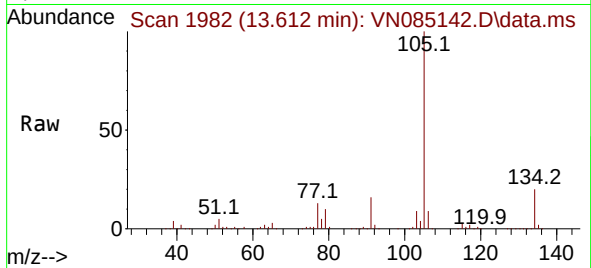




#85
 sec-Butylbenzene
 Concen: 54.132 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

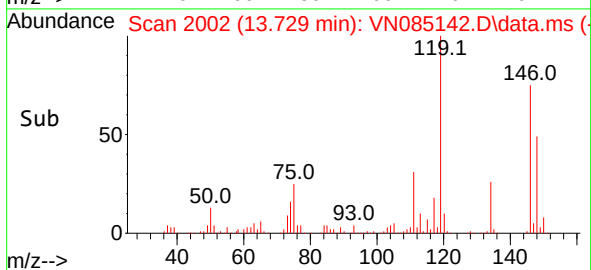
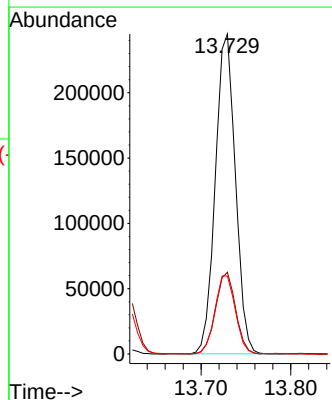
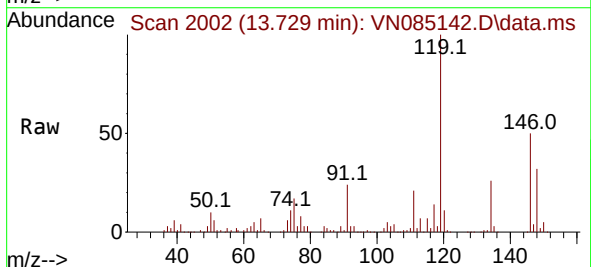
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

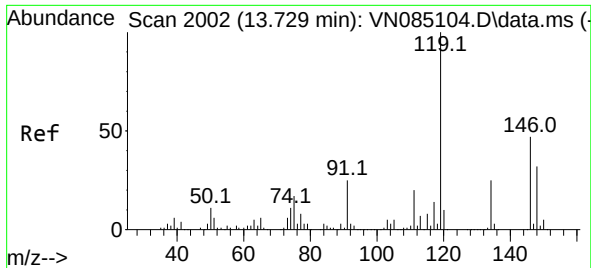
Tgt Ion:105 Resp: 447037
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 55.734 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion:119 Resp: 379947
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 24.9 12.8 38.4

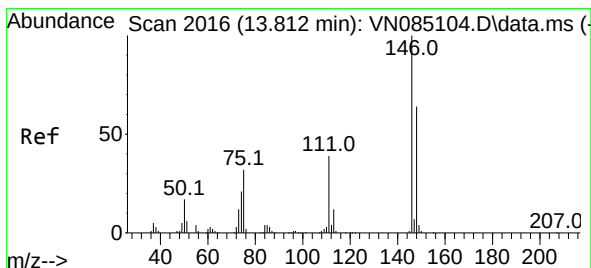
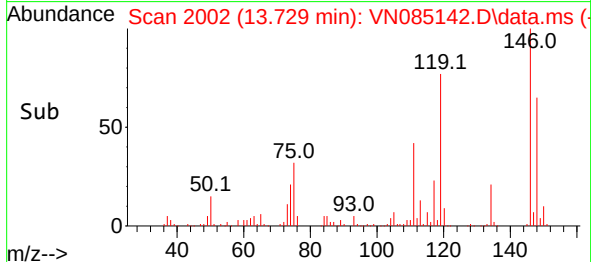
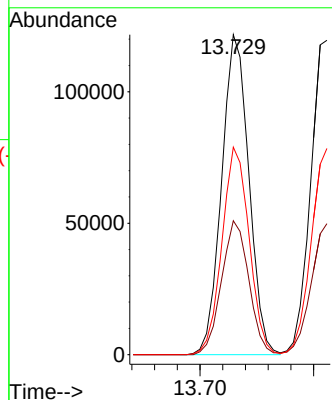
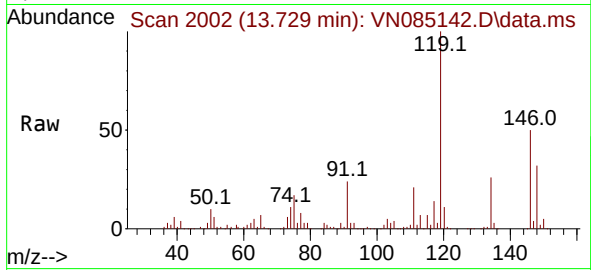




#87
1,3-Dichlorobenzene
Concen: 45.047 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

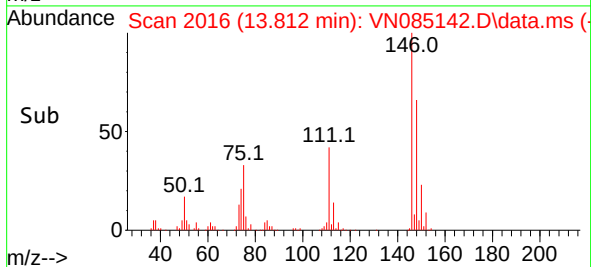
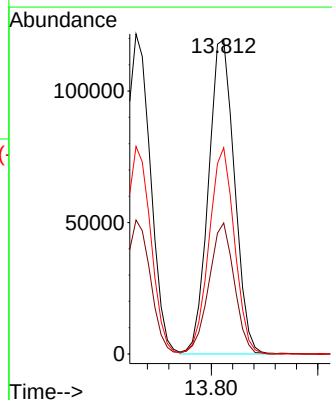
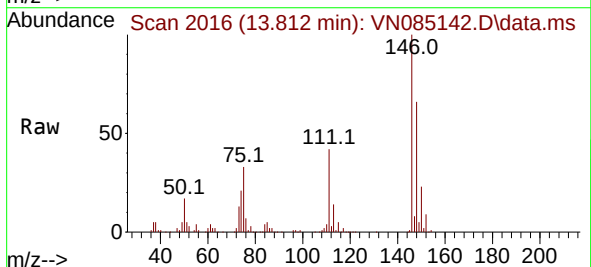
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

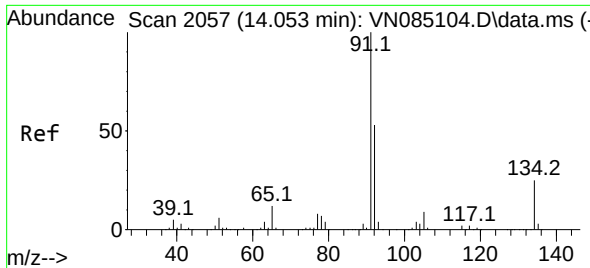
Tgt Ion:146 Resp: 202457
Ion Ratio Lower Upper
146 100
111 42.0 21.6 65.0
148 64.8 32.2 96.6



#88
1,4-Dichlorobenzene
Concen: 44.203 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:146 Resp: 202736
Ion Ratio Lower Upper
146 100
111 40.6 20.9 62.8
148 64.1 31.3 93.9



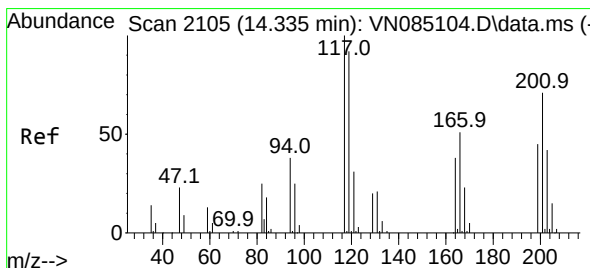
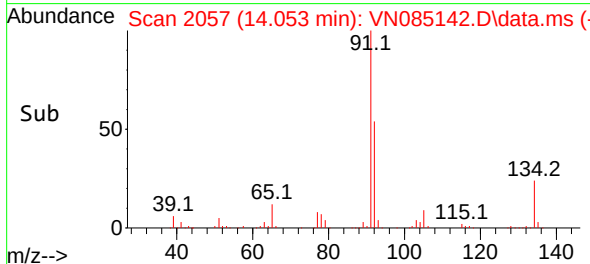
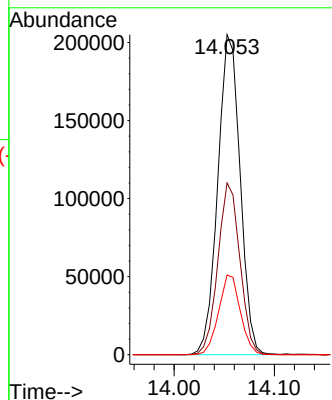
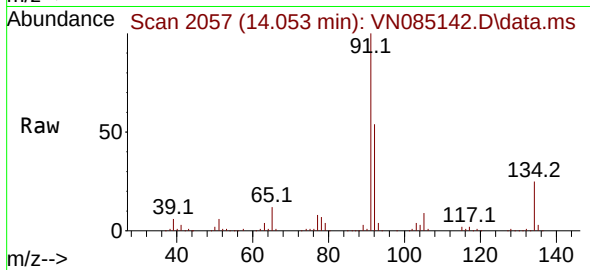


#89
n-Butylbenzene
Concen: 50.053 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 317319

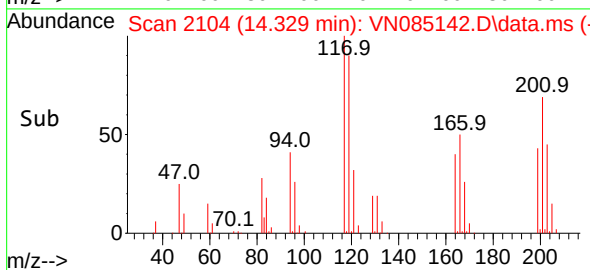
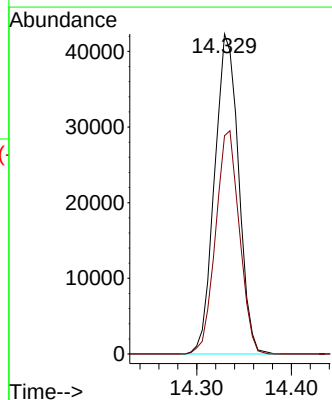
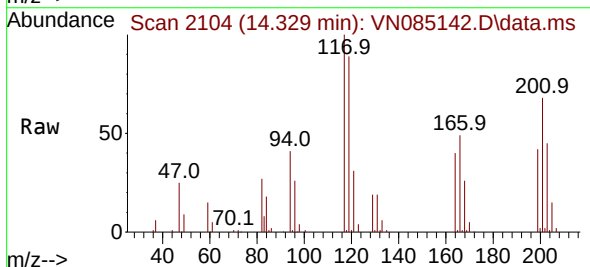
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.3
134	24.3	12.8	38.4

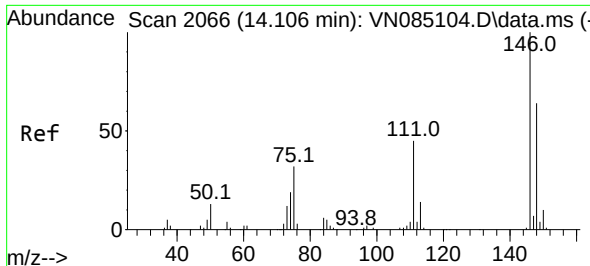


#90
Hexachloroethane
Concen: 50.159 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion: 117 Resp: 74535

Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.2	105.6

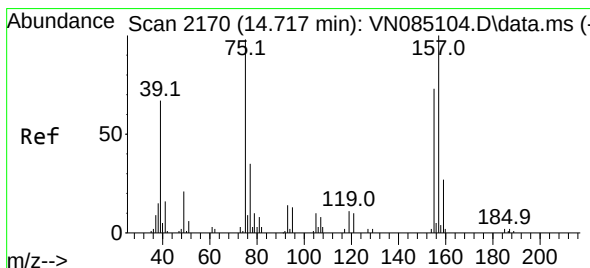
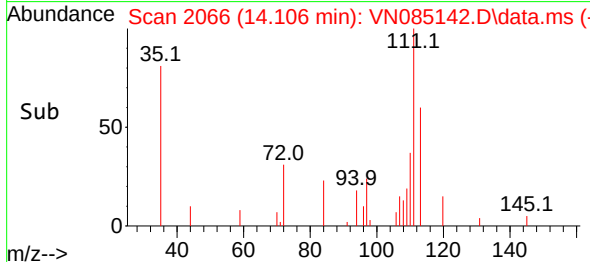
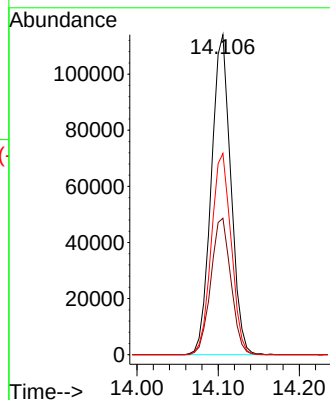
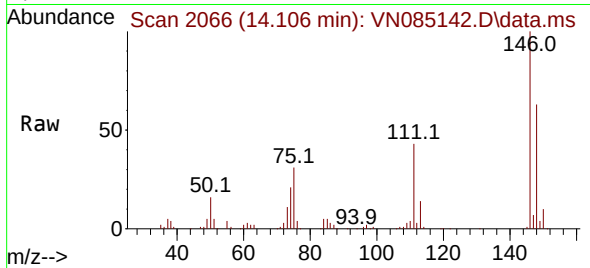




#91
 1,2-Dichlorobenzene
 Concen: 44.283 ug/l
 RT: 14.106 min Scan# 2066
 Delta R.T. -0.000 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

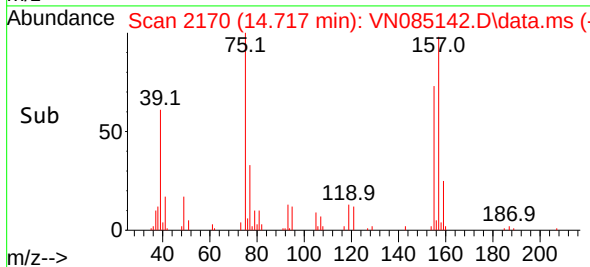
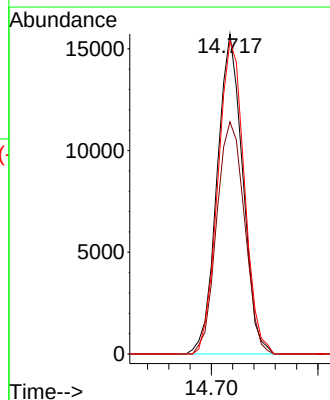
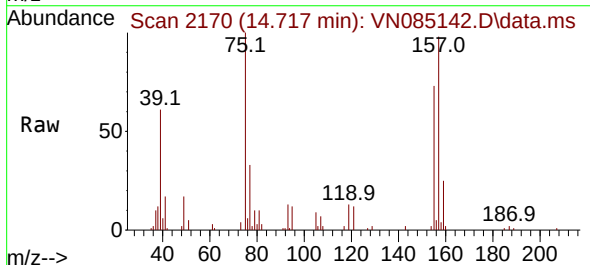
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

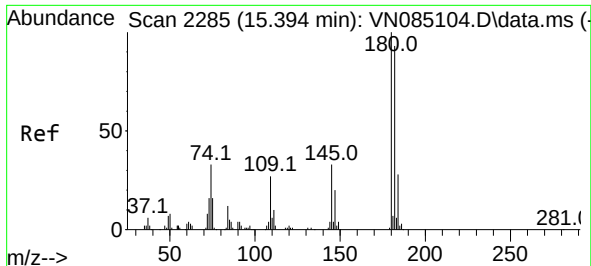
Tgt Ion:146 Resp: 190711
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.9 65.8
 148 63.9 31.1 93.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.961 ug/l
 RT: 14.717 min Scan# 2170
 Delta R.T. -0.000 min
 Lab File: VN085142.D
 Acq: 09 Dec 2024 10:32

Tgt Ion: 75 Resp: 26256
 Ion Ratio Lower Upper
 75 100
 155 78.7 38.9 116.7
 157 100.4 48.3 144.9

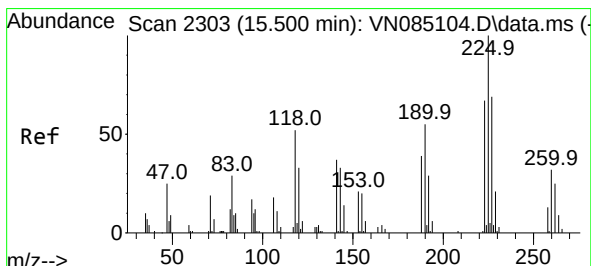
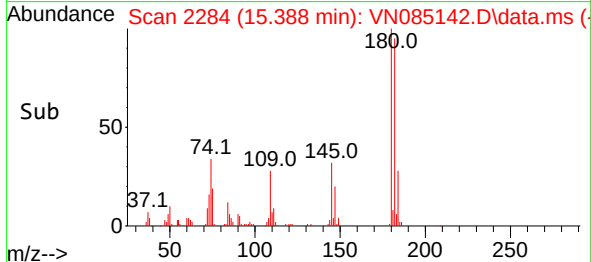
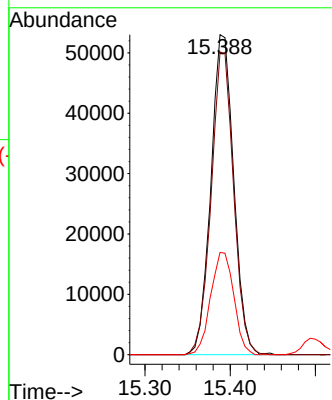
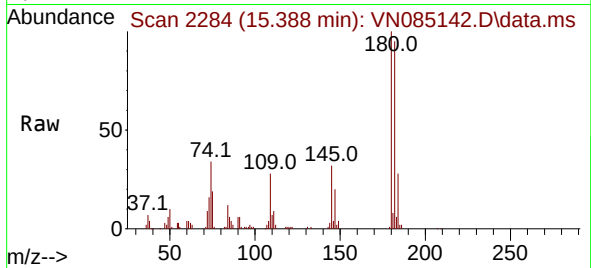




#93
1,2,4-Trichlorobenzene
Concen: 42.133 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

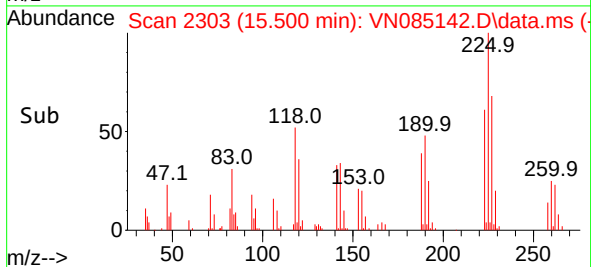
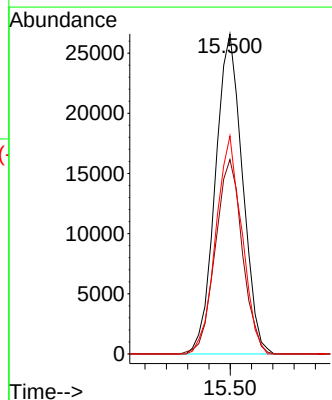
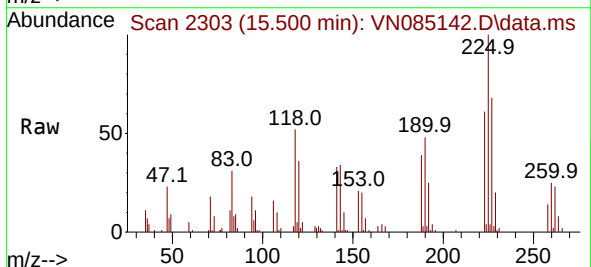
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

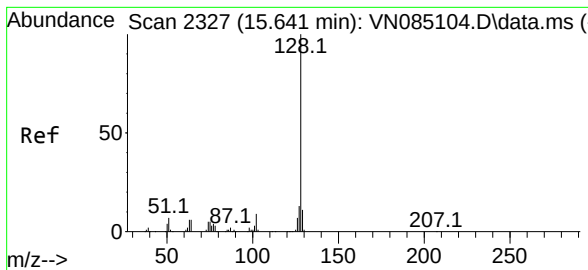
Tgt Ion:180 Resp: 98579
Ion Ratio Lower Upper
180 100
182 93.3 46.9 140.8
145 32.4 16.3 48.8



#94
Hexachlorobutadiene
Concen: 43.472 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:225 Resp: 46941
Ion Ratio Lower Upper
225 100
223 60.7 30.9 92.8
227 65.5 31.5 94.5

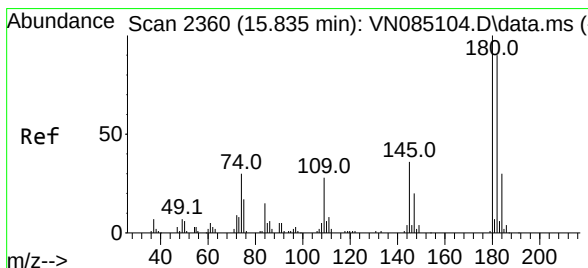
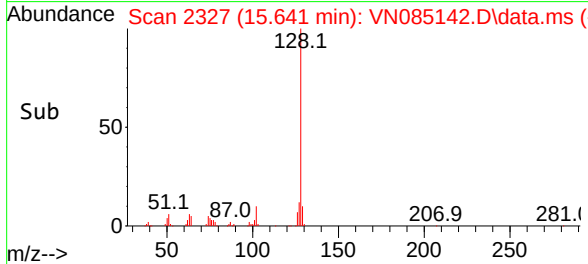
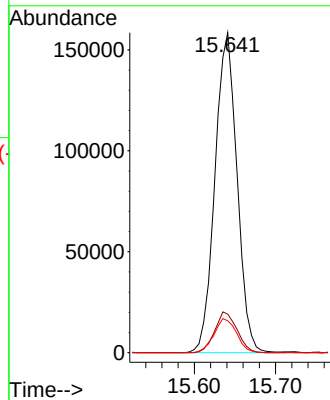
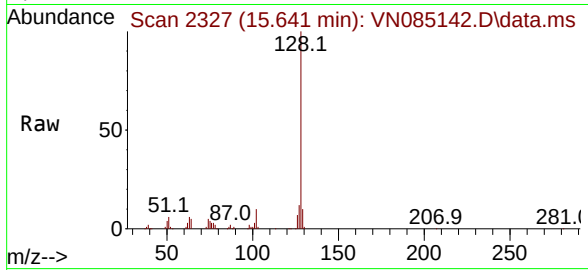




#95
Naphthalene
Concen: 44.981 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

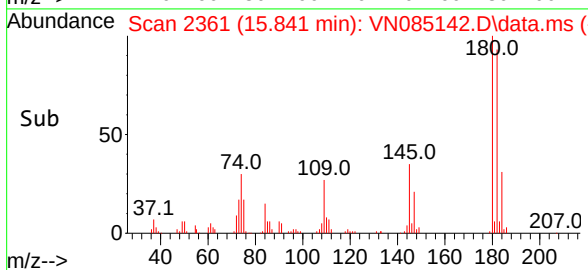
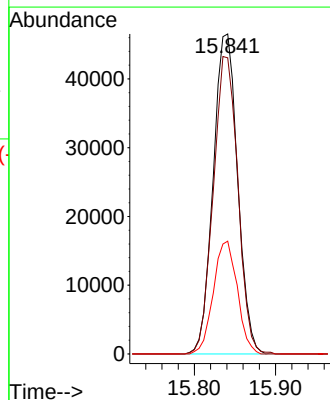
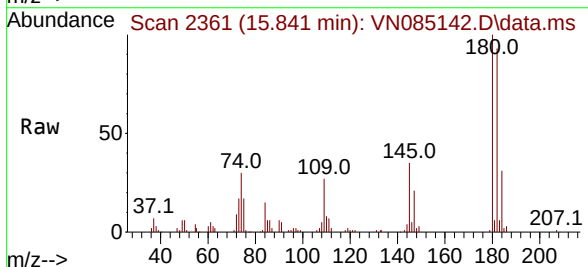
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 299742
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 43.570 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085142.D
Acq: 09 Dec 2024 10:32

Tgt Ion:180 Resp: 97267
Ion Ratio Lower Upper
180 100
182 93.6 46.4 139.2
145 34.6 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085144.D
 Acq On : 09 Dec 2024 11:35
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106459	45.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.540%
35) Dibromofluoromethane	8.165	113	89046	50.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.740%
50) Toluene-d8	10.565	98	305121	48.643	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.847	95	110888	47.272	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	26409	14.303	ug/l	94
3) Chloromethane	2.359	50	27604	12.890	ug/l	91
4) Vinyl Chloride	2.512	62	30286	15.737	ug/l	100
5) Bromomethane	2.954	94	21229	19.680	ug/l	95
6) Chloroethane	3.118	64	21103	16.268	ug/l	95
7) Trichlorofluoromethane	3.495	101	56705	17.321	ug/l	96
8) Diethyl Ether	3.959	74	18392	16.506	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	32533	17.521	ug/l	99
10) Methyl Iodide	4.589	142	35117	14.288	ug/l	96
11) Tert butyl alcohol	5.518	59	30573	98.362	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	29194	16.844	ug/l	96
13) Acrolein	4.183	56	17012	82.024	ug/l	95
14) Allyl chloride	5.024	41	42953	14.701	ug/l	96
15) Acrylonitrile	5.718	53	83368	94.738	ug/l	99
16) Acetone	4.430	43	74219	109.563	ug/l	97
17) Carbon Disulfide	4.712	76	80210	15.679	ug/l	99
18) Methyl Acetate	5.024	43	41204	18.303	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	97105	17.148	ug/l	98
20) Methylene Chloride	5.277	84	35121	16.990	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	31602	17.327	ug/l	95
22) Diisopropyl ether	6.671	45	103043	17.523	ug/l	99
23) Vinyl Acetate	6.606	43	351180	86.565	ug/l	98
24) 1,1-Dichloroethane	6.565	63	61913	17.594	ug/l	99
25) 2-Butanone	7.483	43	108793	98.232	ug/l	98
26) 2,2-Dichloropropane	7.489	77	57271	17.429	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	37413	17.016	ug/l	100
28) Bromochloromethane	7.812	49	24208	18.224	ug/l	91
29) Tetrahydrofuran	7.841	42	66904	97.142	ug/l	94
30) Chloroform	7.965	83	65806	17.580	ug/l	98
31) Cyclohexane	8.259	56	51467	16.611	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61775	18.262	ug/l	96
36) 1,1-Dichloropropene	8.371	75	42851	18.075	ug/l	97
37) Ethyl Acetate	7.565	43	42554	19.744	ug/l	98
38) Carbon Tetrachloride	8.365	117	54048	19.750	ug/l	94
39) Methylcyclohexane	9.600	83	42735	17.347	ug/l	97
40) Benzene	8.606	78	139262	18.573	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085144.D
 Acq On : 09 Dec 2024 11:35
 Operator : JC\MD
 Sample : VN1209WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	22251	18.646	ug/l	95
42) 1,2-Dichloroethane	8.671	62	48342	18.845	ug/l	100
43) Isopropyl Acetate	8.688	43	72727	16.245	ug/l	98
44) Trichloroethene	9.353	130	33126	19.010	ug/l	86
45) 1,2-Dichloropropane	9.618	63	34338	18.593	ug/l	96
46) Dibromomethane	9.712	93	25247	19.674	ug/l	99
47) Bromodichloromethane	9.888	83	51682	19.002	ug/l	99
48) Methyl methacrylate	9.677	41	33500	20.109	ug/l	97
49) 1,4-Dioxane	9.694	88	13321	461.086	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	228689	111.838	ug/l	99
52) Toluene	10.630	92	88892	20.025	ug/l	98
53) t-1,3-Dichloropropene	10.830	75	49777	18.255	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	55624	19.228	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	34271	20.727	ug/l	98
56) Ethyl methacrylate	10.877	69	49811	20.617	ug/l	99
57) 1,3-Dichloropropane	11.159	76	54891	18.863	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	107728	90.899	ug/l	100
59) 2-Hexanone	11.194	43	169991	111.153	ug/l	99
60) Dibromochloromethane	11.359	129	40779	20.181	ug/l	99
61) 1,2-Dibromoethane	11.471	107	33148	19.372	ug/l	98
64) Tetrachloroethene	11.106	164	31073	20.769	ug/l	93
65) Chlorobenzene	11.888	112	92261	18.322	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	35345	19.936	ug/l	98
67) Ethyl Benzene	11.965	91	156939	19.210	ug/l	99
68) m/p-Xylenes	12.071	106	121108	38.938	ug/l	99
69) o-Xylene	12.400	106	57985	19.599	ug/l	99
70) Styrene	12.412	104	98206	19.960	ug/l	99
71) Bromoform	12.576	173	28031	21.300	ug/l #	99
73) Isopropylbenzene	12.694	105	147544	19.995	ug/l	100
74) N-amyl acetate	12.494	43	62083	20.417	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48508	19.251	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	61386	32.264	ug/l	48
77) Bromobenzene	12.982	156	38928	19.603	ug/l	99
78) n-propylbenzene	13.035	91	177101	20.808	ug/l	98
79) 2-Chlorotoluene	13.123	91	111085	19.552	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	125642	20.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17583	20.401	ug/l	93
82) 4-Chlorotoluene	13.218	91	112899	19.088	ug/l	99
83) tert-Butylbenzene	13.435	119	107573	20.191	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	126653	19.871	ug/l	99
85) sec-Butylbenzene	13.618	105	147809	20.537	ug/l	99
86) p-Isopropyltoluene	13.729	119	120791	20.331	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	68527	17.496	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	69227	17.319	ug/l	98
89) n-Butylbenzene	14.053	91	96140	17.401	ug/l	98
90) Hexachloroethane	14.335	117	25206	19.464	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	65350	17.412	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9910	20.338	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	32298	15.840	ug/l	100
94) Hexachlorobutadiene	15.500	225	16431	17.460	ug/l	96
95) Naphthalene	15.641	128	91989	15.840	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	31678	16.282	ug/l	97

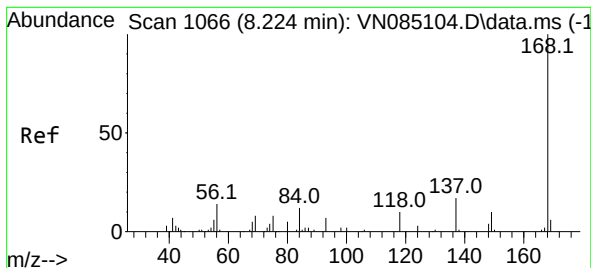
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Acq On : 09 Dec 2024 11:35
Operator : JC\MD
Sample : VN1209WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Quant Time: Dec 10 04:57:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

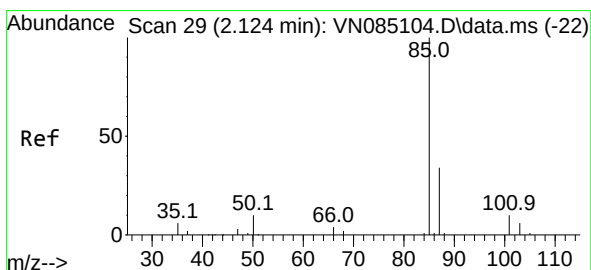
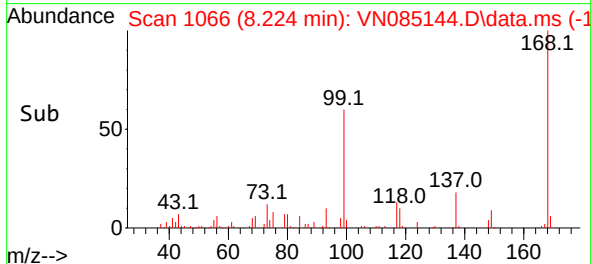
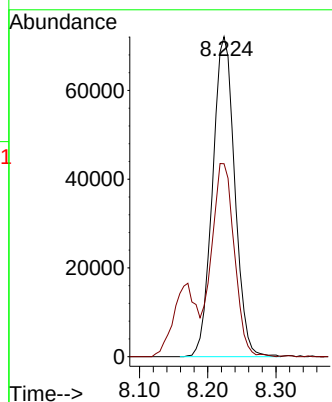
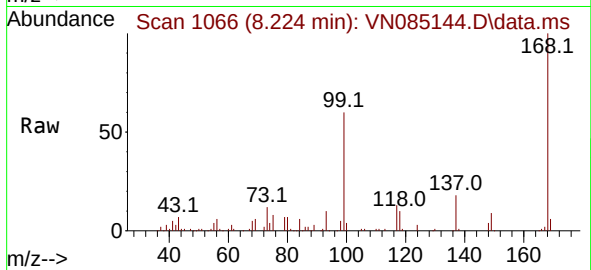
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

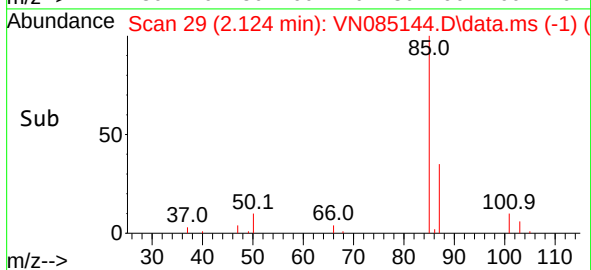
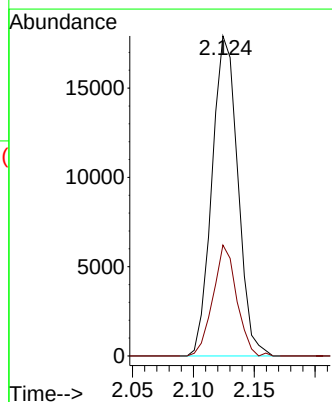
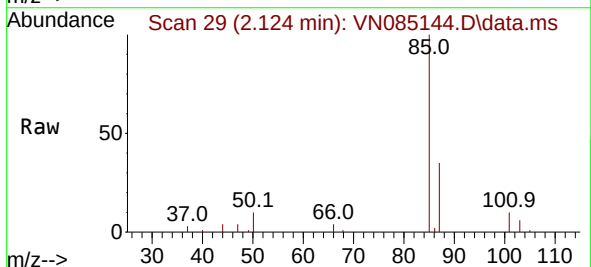
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

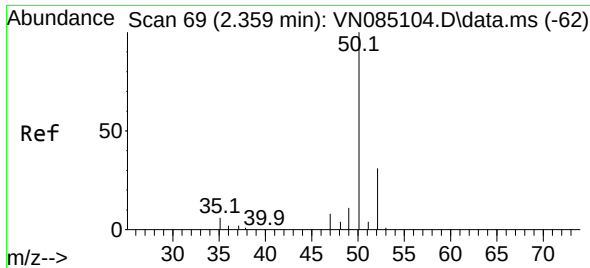
Tgt Ion:168 Resp: 163291
Ion Ratio Lower Upper
168 100
99 60.1 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 14.303 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 85 Resp: 26409
Ion Ratio Lower Upper
85 100
87 34.6 15.7 47.1

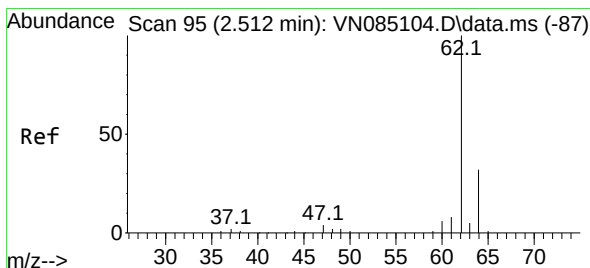
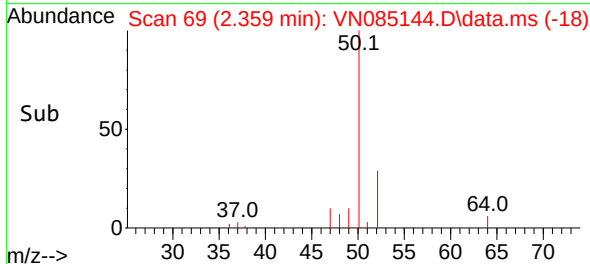
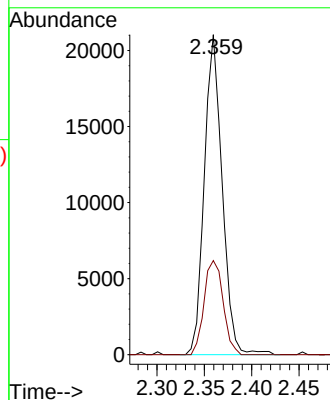
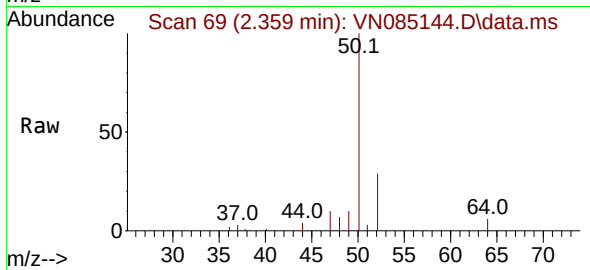




#3
Chloromethane
Concen: 12.890 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

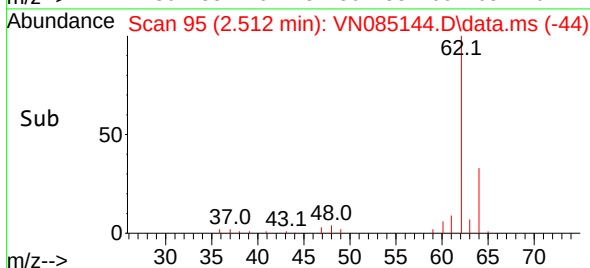
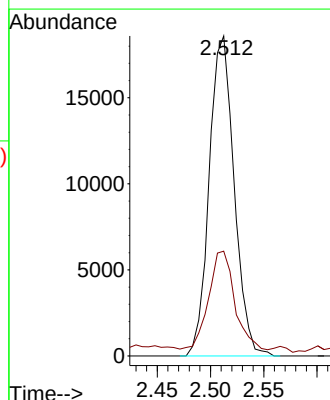
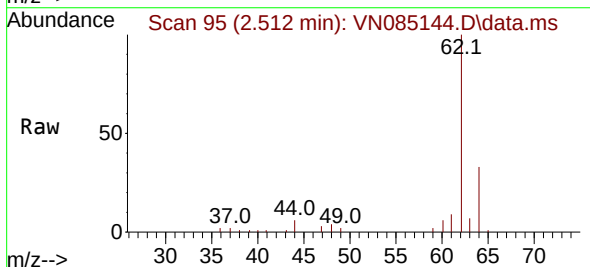
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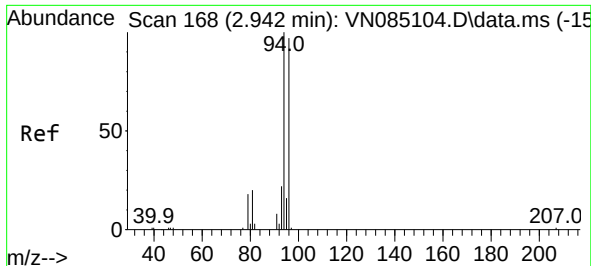
Tgt Ion: 50 Resp: 27604
Ion Ratio Lower Upper
50 100
52 29.4 27.8 41.8



#4
Vinyl Chloride
Concen: 15.737 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 30286
Ion Ratio Lower Upper
62 100
64 30.6 24.6 36.8

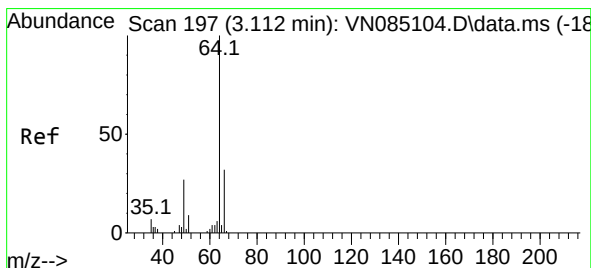
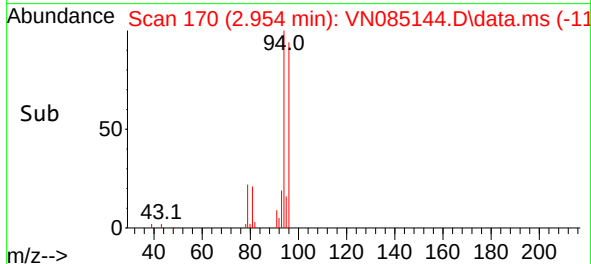
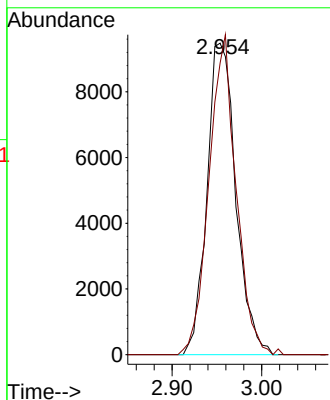
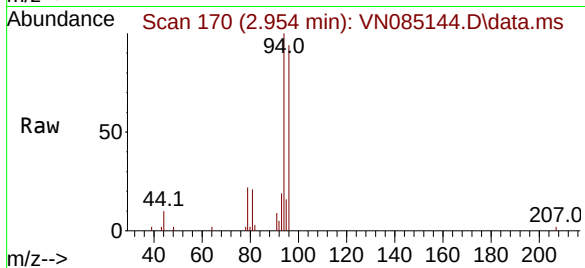




#5
Bromomethane
Concen: 19.680 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

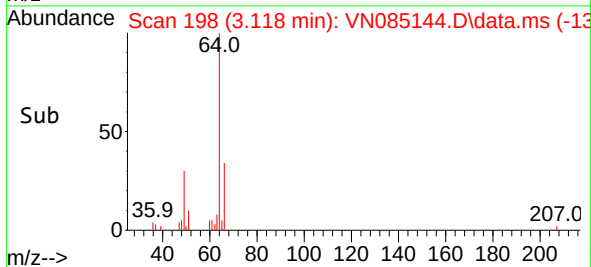
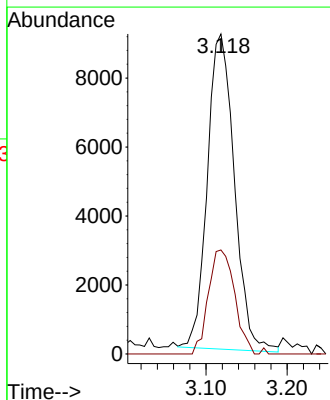
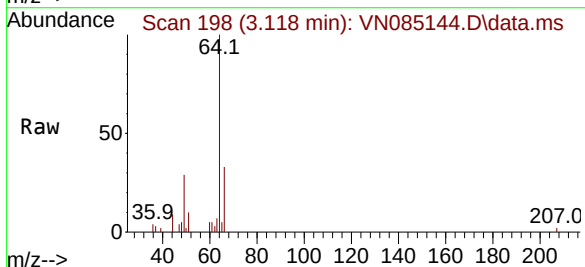
Instrument :
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ClientSampleId :
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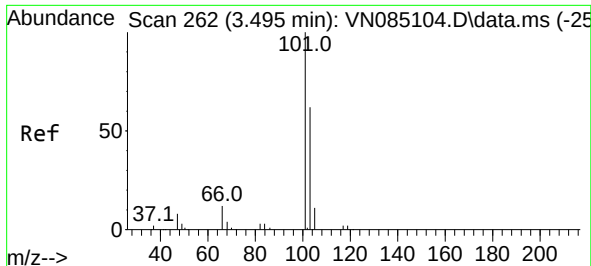
Tgt Ion: 94 Resp: 21229
Ion Ratio Lower Upper
94 100
96 93.7 78.7 118.1



#6
Chloroethane
Concen: 16.268 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 64 Resp: 21103
Ion Ratio Lower Upper
64 100
66 33.3 24.4 36.6

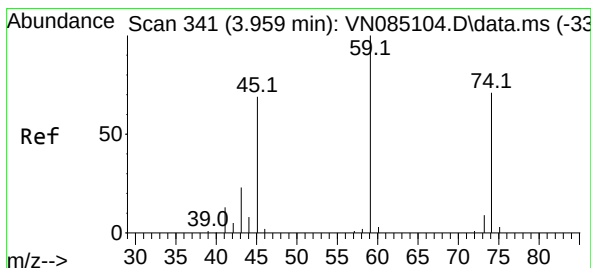
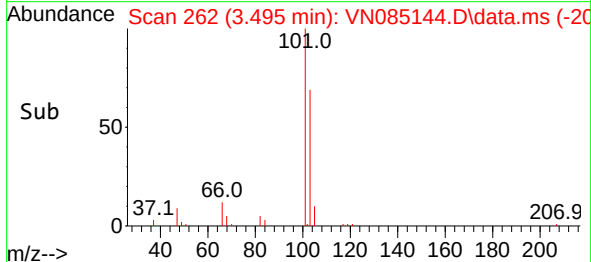
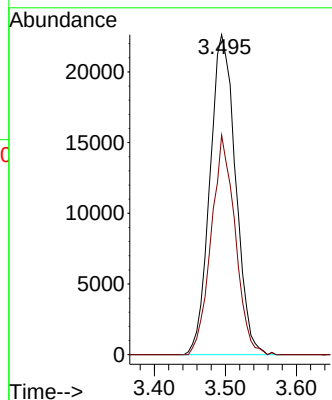
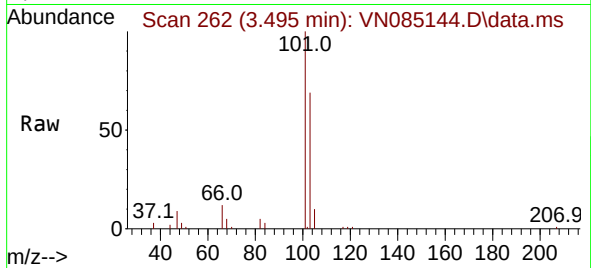




#7
Trichlorofluoromethane
Concen: 17.321 ug/l
RT: 3.495 min Scan# 262
Delta R.T. 0.035 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

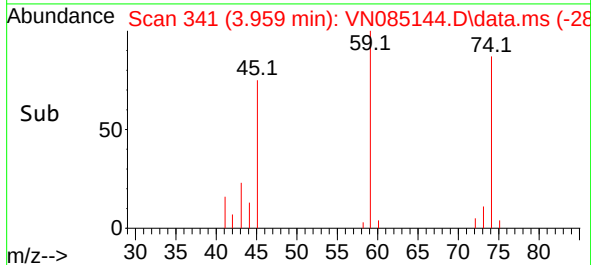
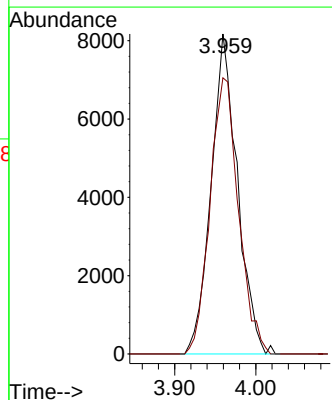
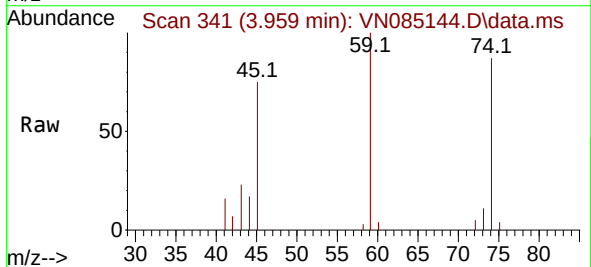
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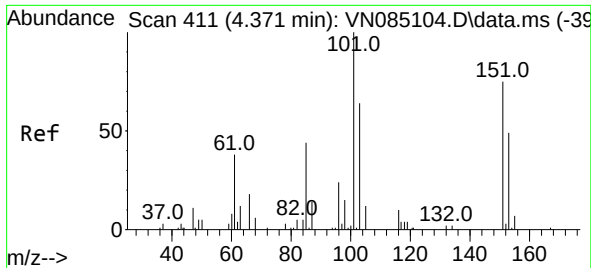
Tgt Ion:101 Resp: 56705
Ion Ratio Lower Upper
101 100
103 68.6 52.6 78.8



#8
Diethyl Ether
Concen: 16.506 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 74 Resp: 18392
Ion Ratio Lower Upper
74 100
45 93.5 46.7 140.1

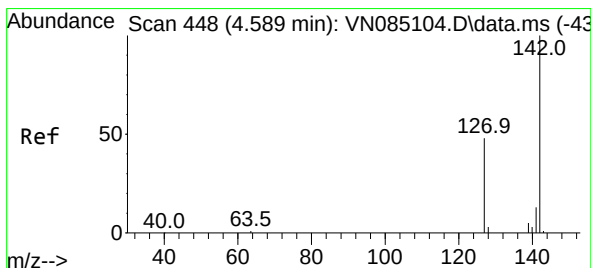
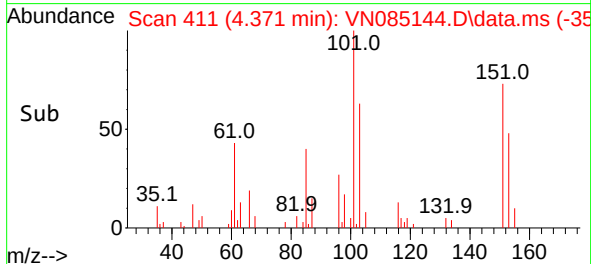
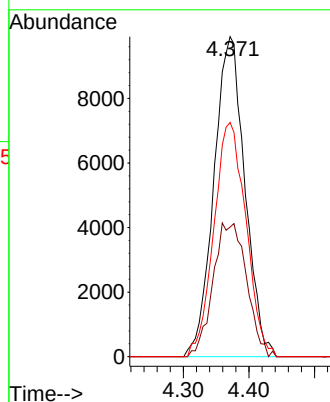
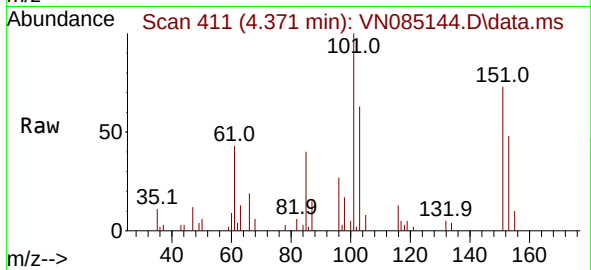




#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.521 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

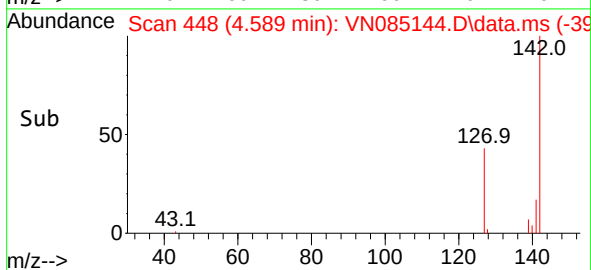
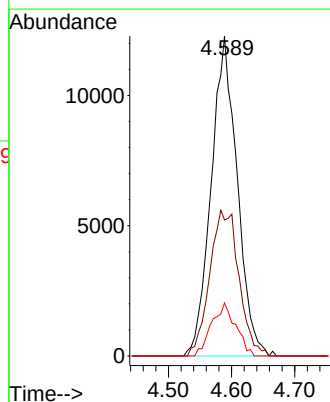
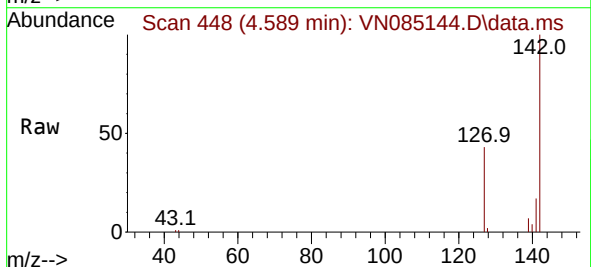
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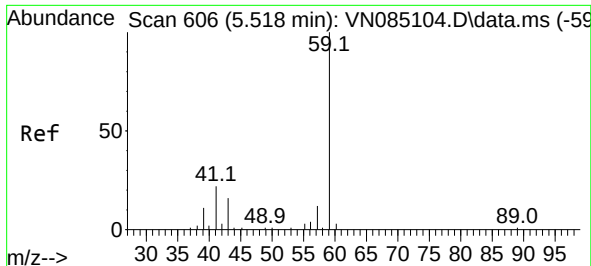
Tgt Ion:101 Resp: 32533
Ion Ratio Lower Upper
101 100
85 45.2 36.9 55.3
151 75.7 60.8 91.2



#10
Methyl Iodide
Concen: 14.288 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:142 Resp: 35117
Ion Ratio Lower Upper
142 100
127 42.5 36.6 54.8
141 16.6 12.2 18.4

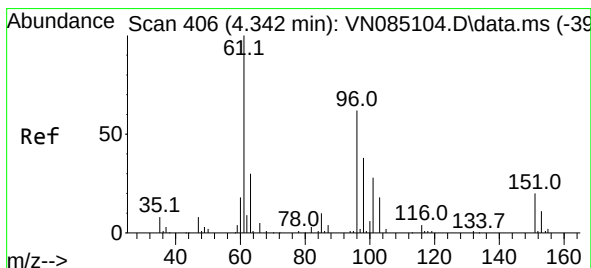
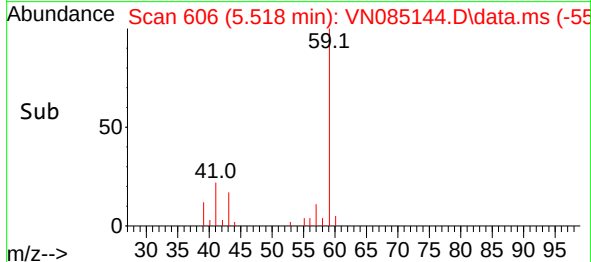
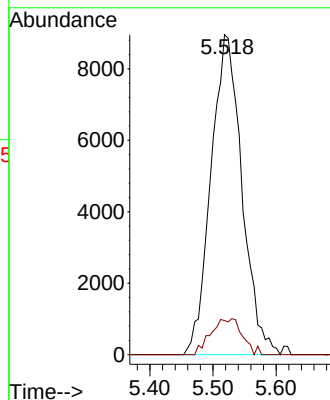
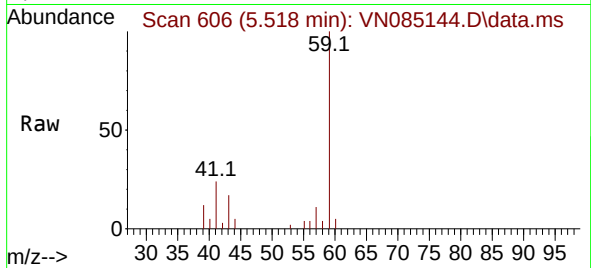




#11
Tert butyl alcohol
Concen: 98.362 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

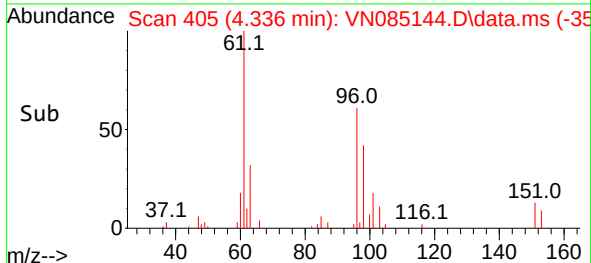
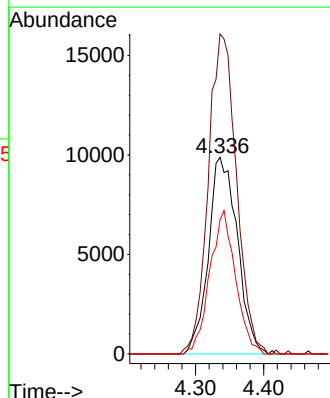
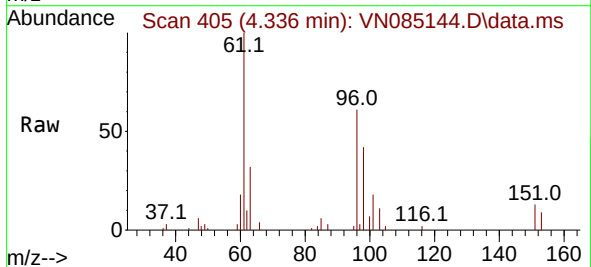
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ClientSampleId :
VN1209WBS01

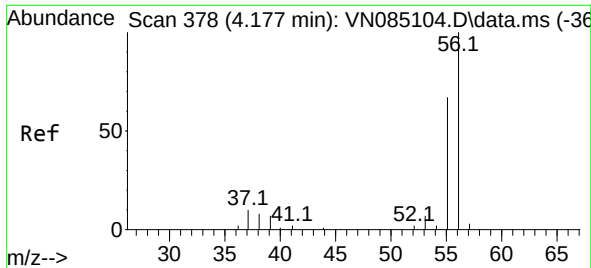
Tgt Ion: 59 Resp: 30573
Ion Ratio Lower Upper
59 100
57 11.4 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 16.844 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 96 Resp: 29194
Ion Ratio Lower Upper
96 100
61 162.8 127.8 191.8
98 68.2 49.2 73.8

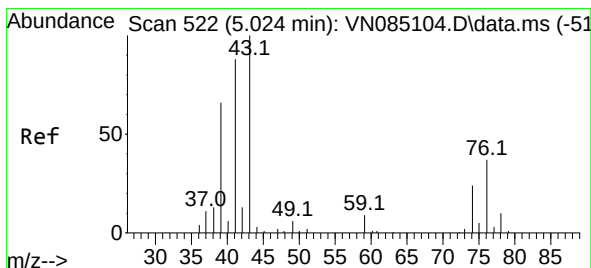
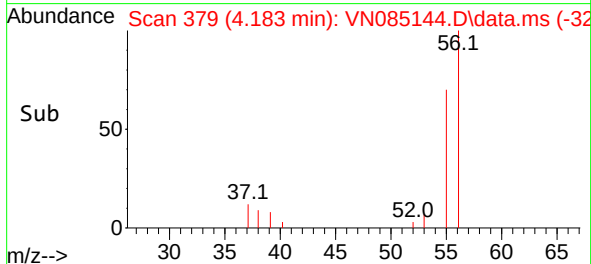
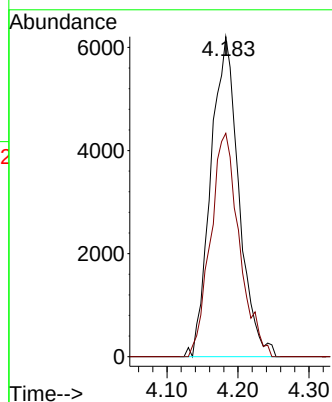
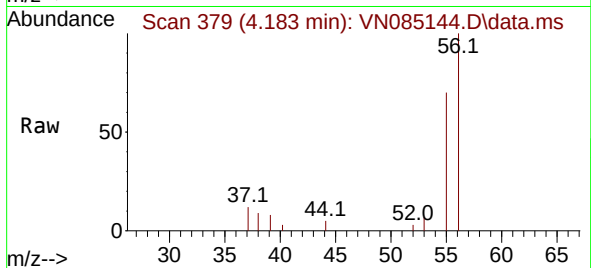




#13
Acrolein
Concen: 82.024 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

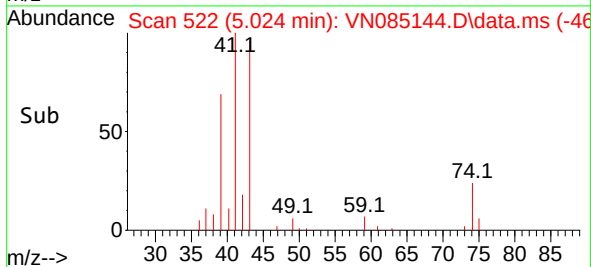
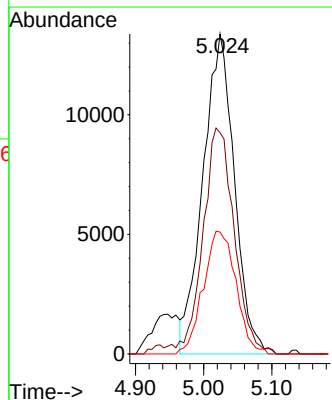
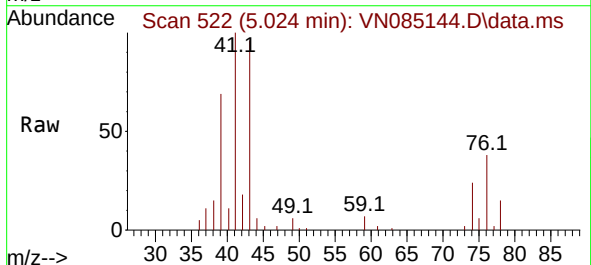
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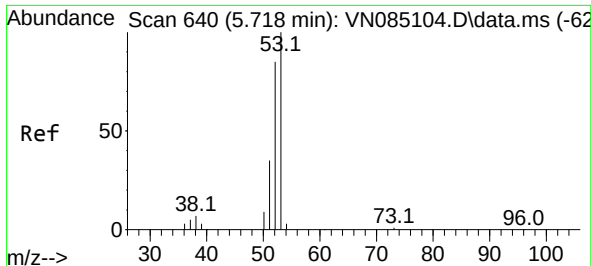
Tgt Ion: 56 Resp: 17012
Ion Ratio Lower Upper
56 100
55 71.8 54.5 81.7



#14
Allyl chloride
Concen: 14.701 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 41 Resp: 42953
Ion Ratio Lower Upper
41 100
39 70.5 53.8 80.8
76 39.7 29.3 43.9

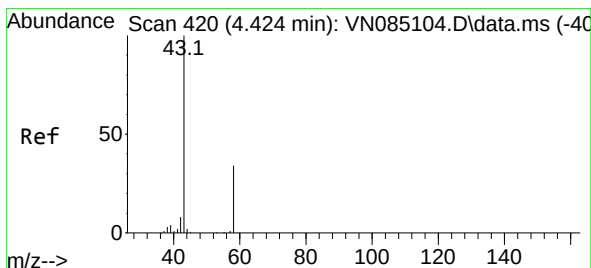
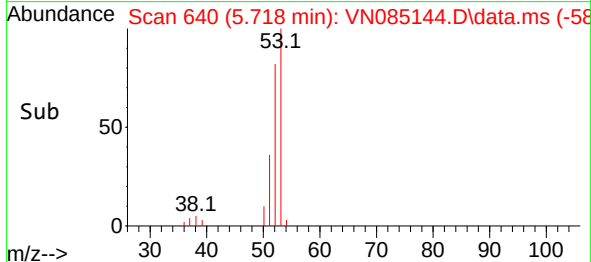
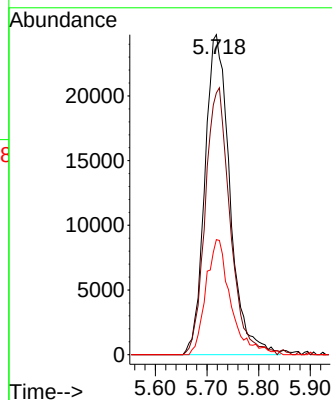
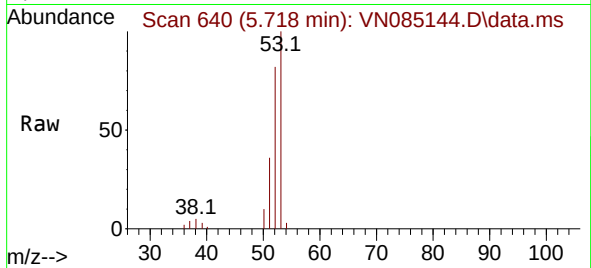




#15
Acrylonitrile
Concen: 94.738 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

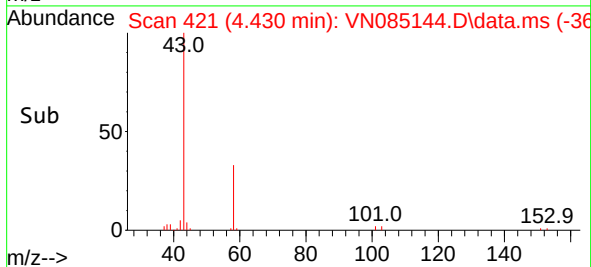
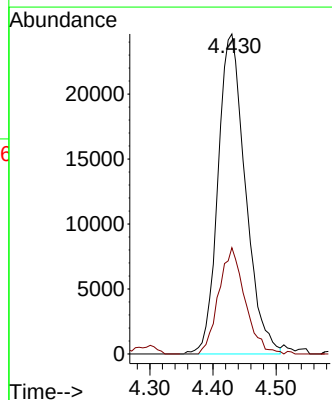
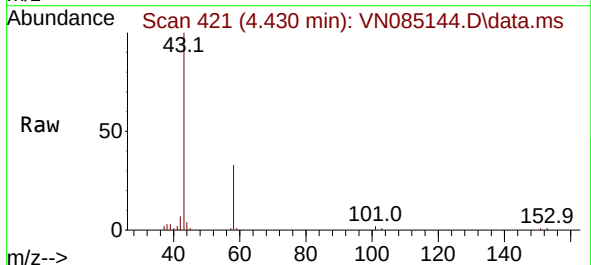
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

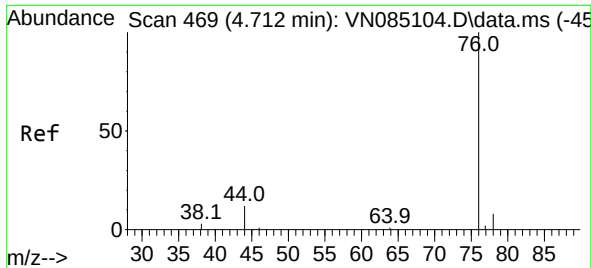
Tgt Ion: 53 Resp: 83368
Ion Ratio Lower Upper
53 100
52 82.6 65.5 98.3
51 35.7 28.4 42.6



#16
Acetone
Concen: 109.563 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 74219
Ion Ratio Lower Upper
43 100
58 33.2 25.4 38.2

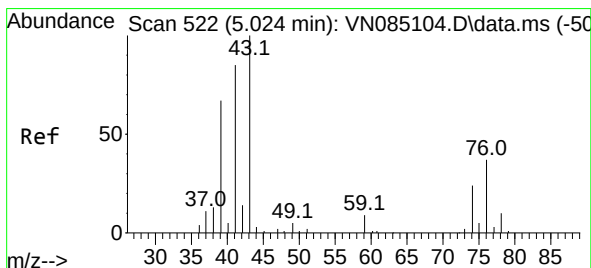
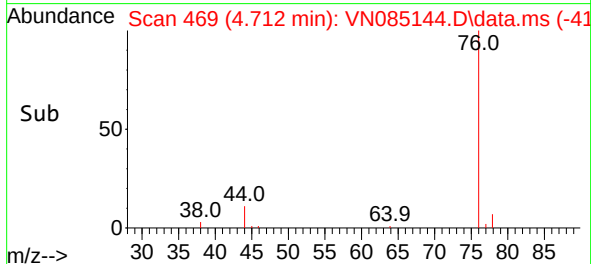
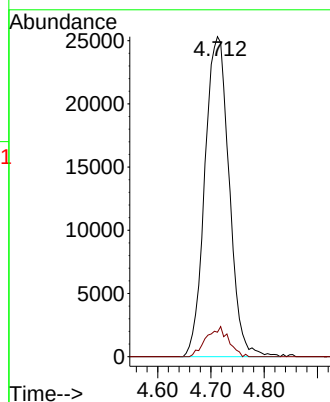
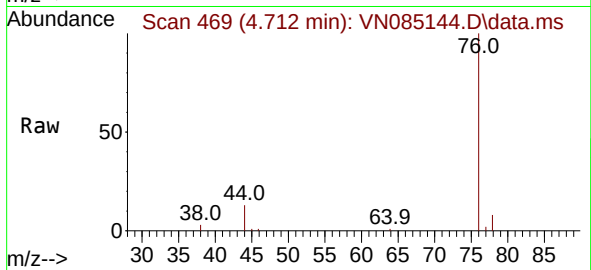




#17
Carbon Disulfide
Concen: 15.679 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.018 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

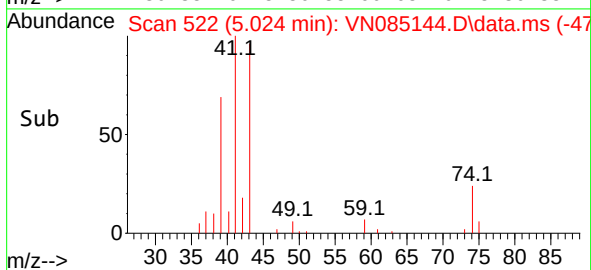
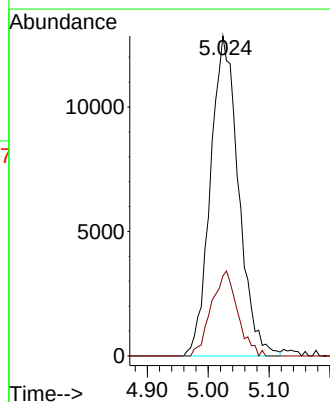
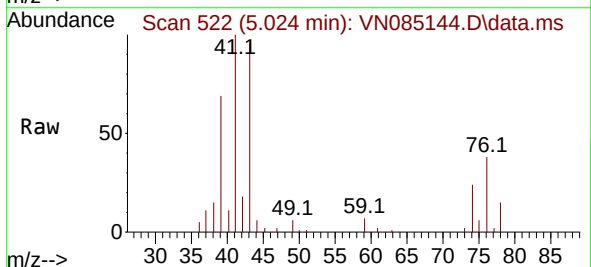
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

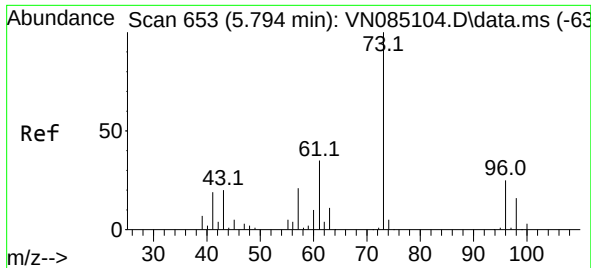
Tgt Ion: 76 Resp: 80210
Ion Ratio Lower Upper
76 100
78 7.7 6.5 9.7



#18
Methyl Acetate
Concen: 18.303 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 41204
Ion Ratio Lower Upper
43 100
74 24.8 20.1 30.1

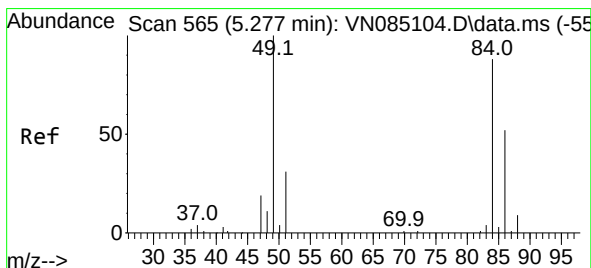
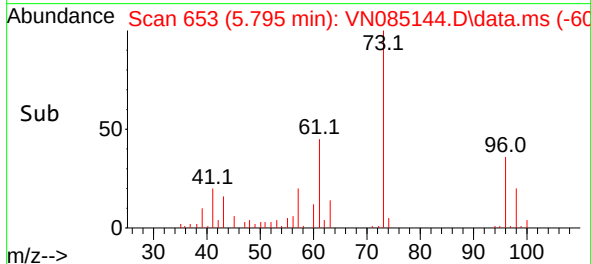
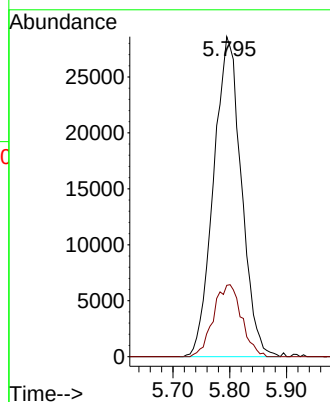
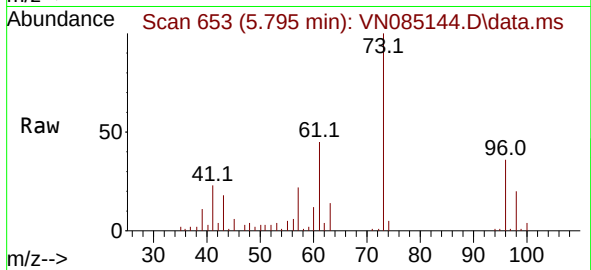




#19
Methyl tert-butyl Ether
Concen: 17.148 ug/l
RT: 5.795 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

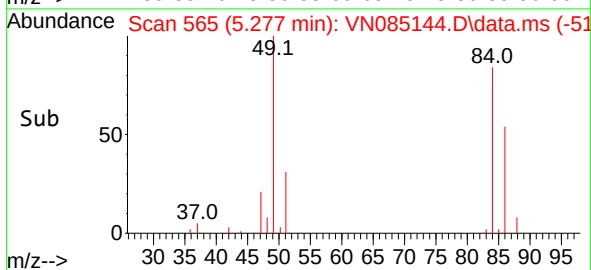
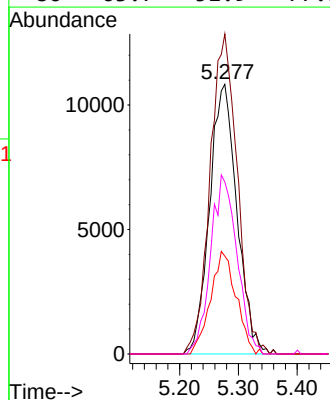
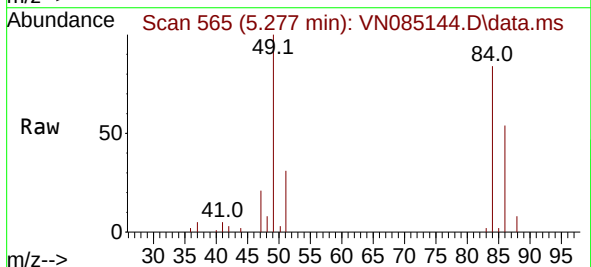
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

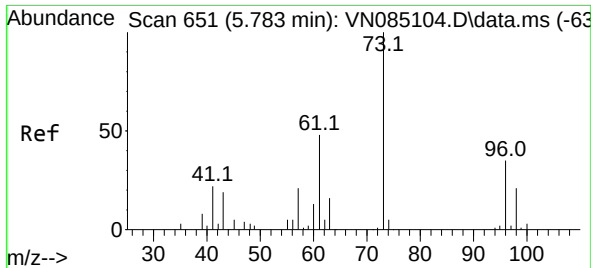
Tgt Ion: 73 Resp: 97105
Ion Ratio Lower Upper
73 100
57 22.3 17.0 25.4



#20
Methylene Chloride
Concen: 16.990 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 84 Resp: 35121
Ion Ratio Lower Upper
84 100
49 118.7 92.7 139.1
51 36.3 29.4 44.2
86 63.7 51.9 77.9

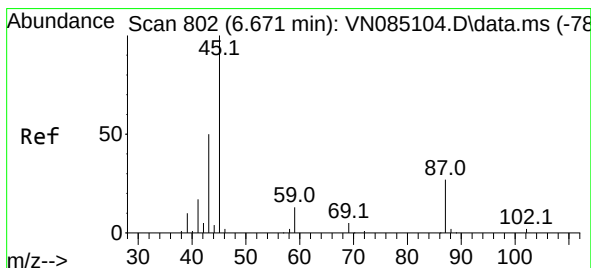
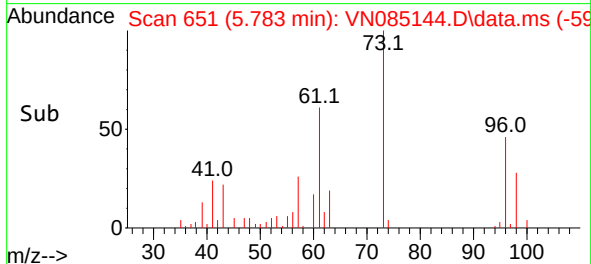
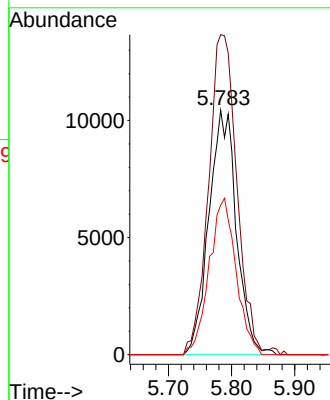
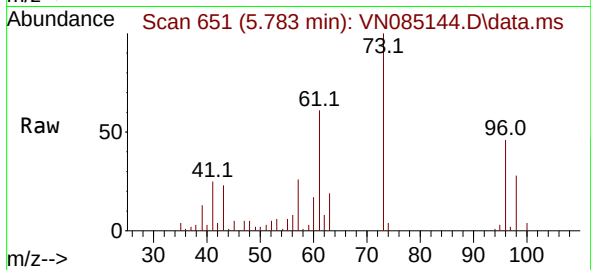




#21
trans-1,2-Dichloroethene
Concen: 17.327 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.012 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

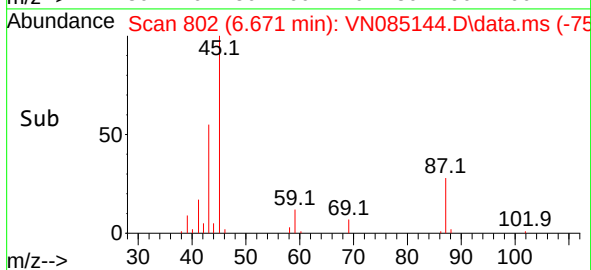
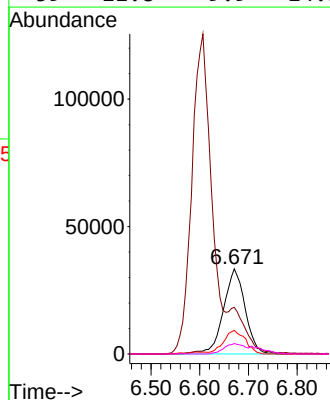
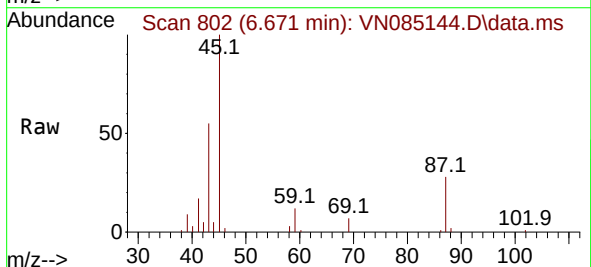
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

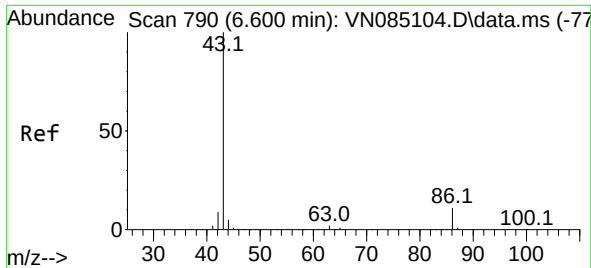
Tgt Ion: 96 Resp: 31602
Ion Ratio Lower Upper
96 100
61 130.9 100.7 151.1
98 61.1 45.8 68.6



#22
Diisopropyl ether
Concen: 17.523 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 45 Resp: 103043
Ion Ratio Lower Upper
45 100
43 53.1 42.7 64.1
87 27.8 22.6 34.0
59 11.8 9.9 14.9

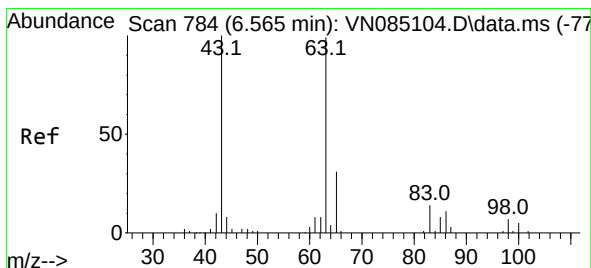
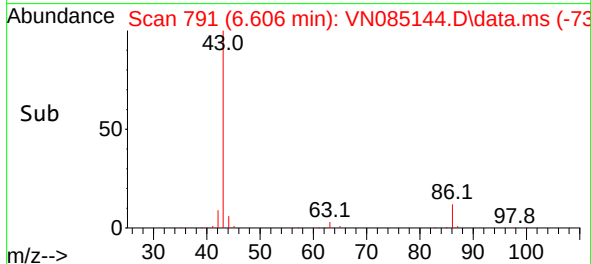
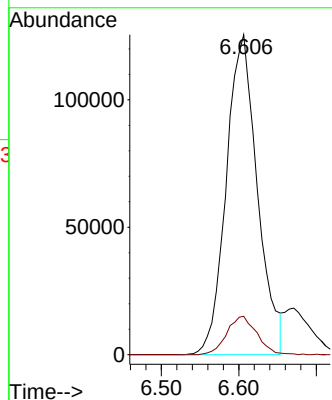
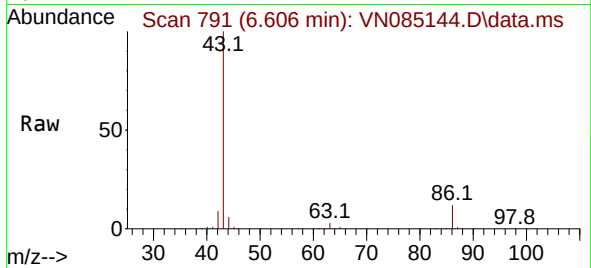




#23
 Vinyl Acetate
 Concen: 86.565 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.012 min
 Lab File: VN085144.D
 Acq: 09 Dec 2024 11:35

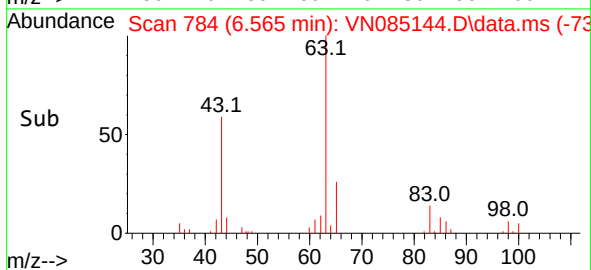
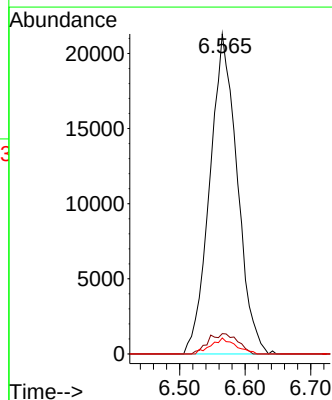
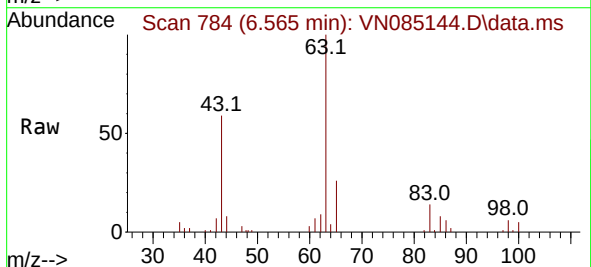
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

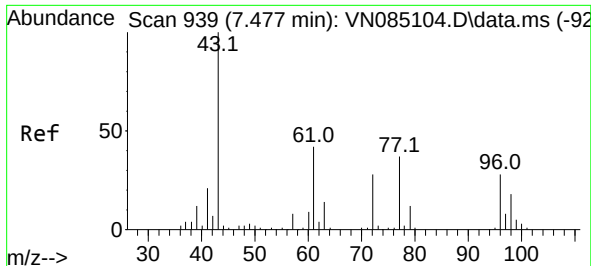
Tgt Ion: 43 Resp: 351180
 Ion Ratio Lower Upper
 43 100
 86 12.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 17.594 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.012 min
 Lab File: VN085144.D
 Acq: 09 Dec 2024 11:35

Tgt Ion: 63 Resp: 61913
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.8
 100 5.0 2.2 6.6





#25

2-Butanone

Concen: 98.232 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

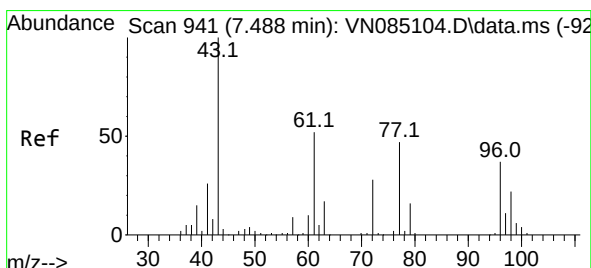
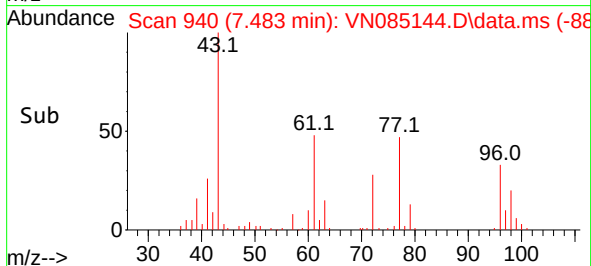
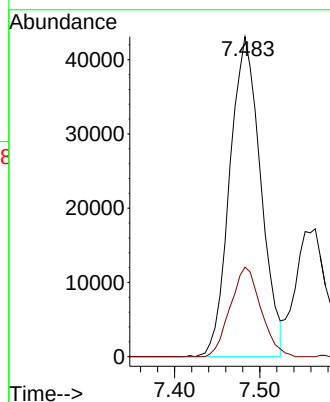
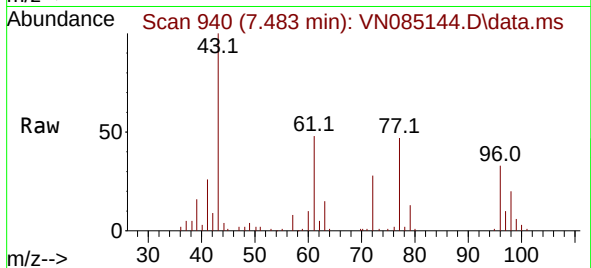
VN1209WBS01

Tgt Ion: 43 Resp: 108793

Ion Ratio Lower Upper

43 100

72 27.9 21.4 32.0



#26

2,2-Dichloropropane

Concen: 17.429 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085144.D

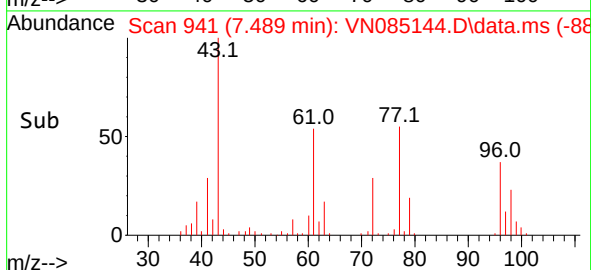
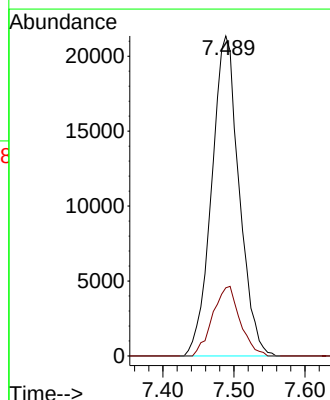
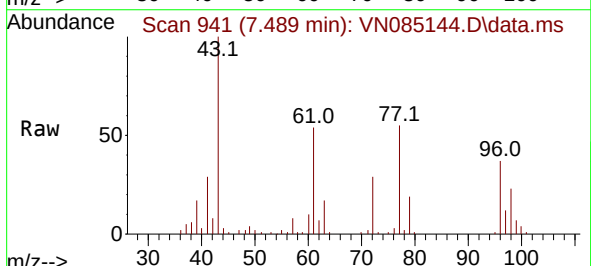
Acq: 09 Dec 2024 11:35

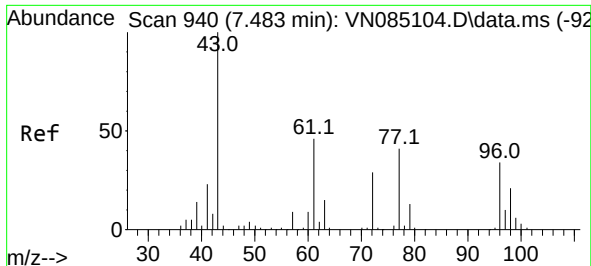
Tgt Ion: 77 Resp: 57271

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.7

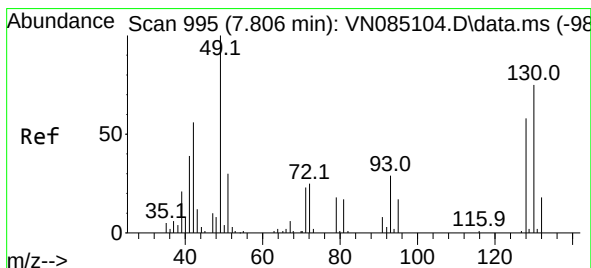
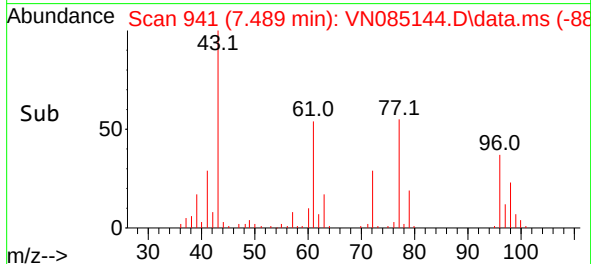
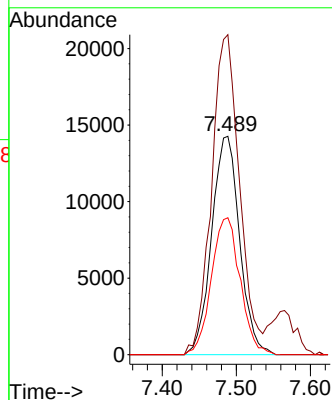
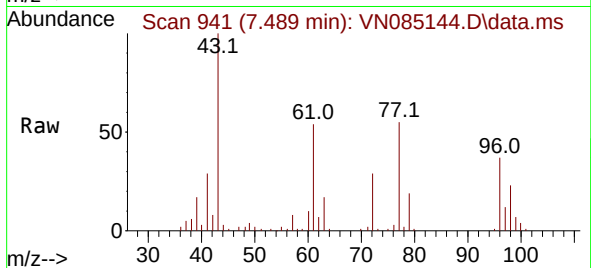




#27
 cis-1,2-Dichloroethene
 Concen: 17.016 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN085144.D
 Acq: 09 Dec 2024 11:35

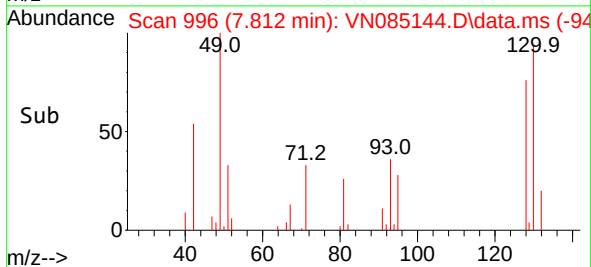
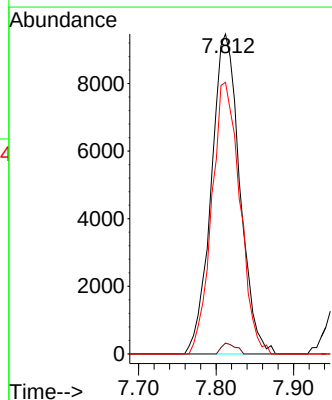
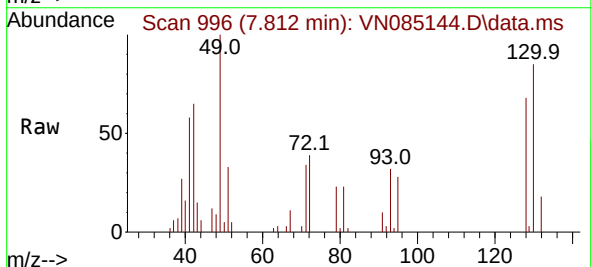
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBS01

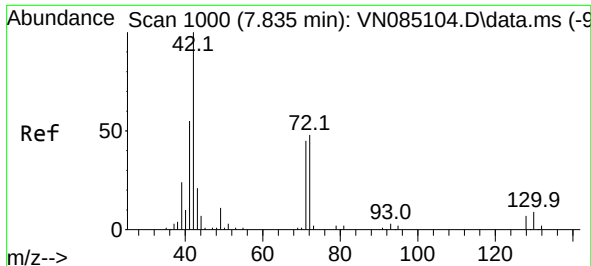
Tgt Ion: 96 Resp: 37413
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 291.6
 98 64.7 0.0 129.8



#28
 Bromochloromethane
 Concen: 18.224 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN085144.D
 Acq: 09 Dec 2024 11:35

Tgt Ion: 49 Resp: 24208
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 4.0
 130 83.8 60.6 90.8





#29

Tetrahydrofuran

Concen: 97.142 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

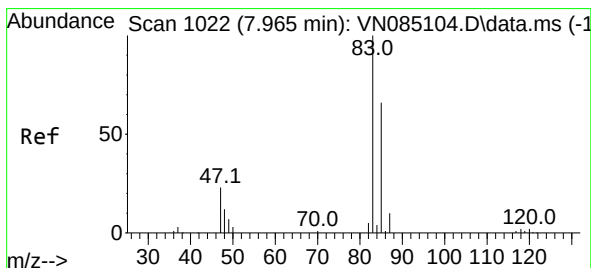
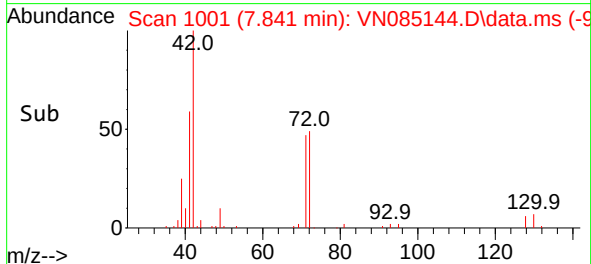
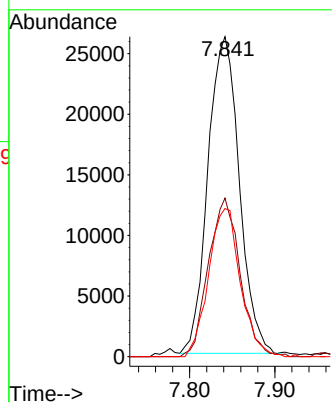
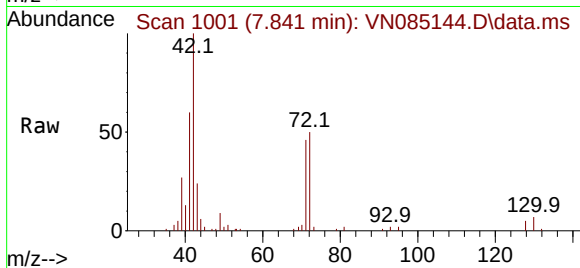
Tgt Ion: 42 Resp: 66904

Ion Ratio Lower Upper

42 100

72 50.7 37.0 55.4

71 47.4 35.0 52.4



#30

Chloroform

Concen: 17.580 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085144.D

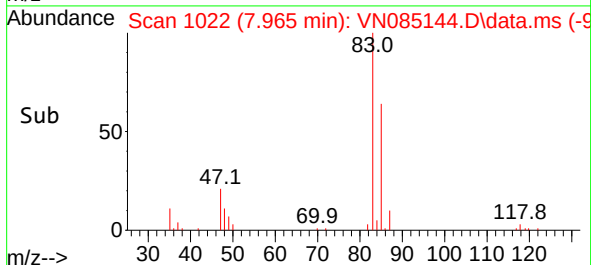
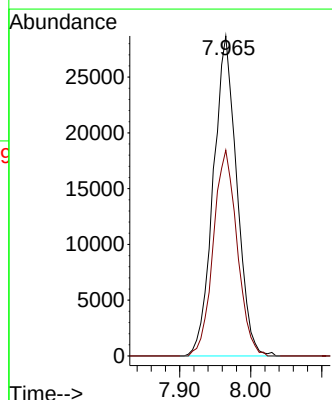
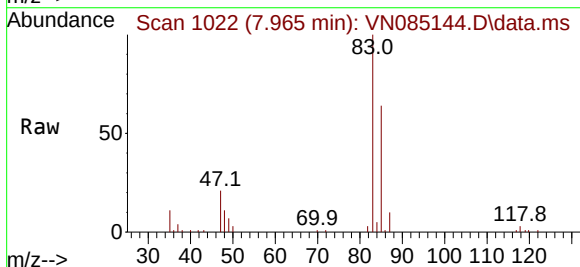
Acq: 09 Dec 2024 11:35

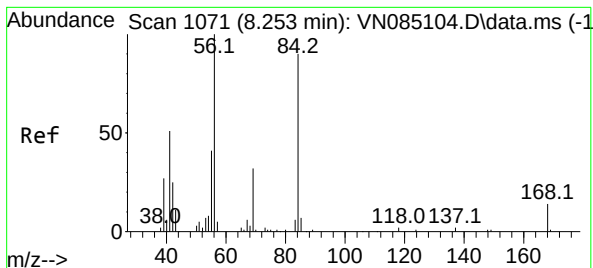
Tgt Ion: 83 Resp: 65806

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8





#31

Cyclohexane

Concen: 16.611 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

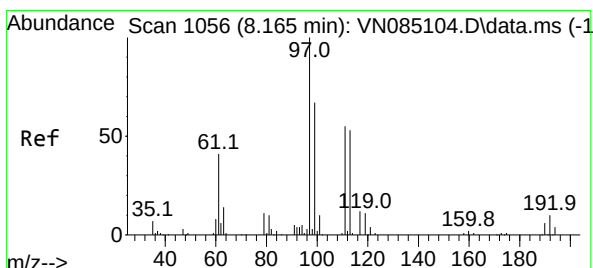
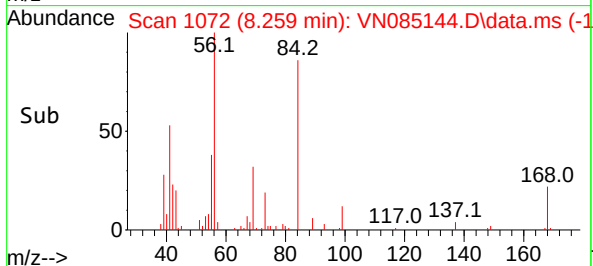
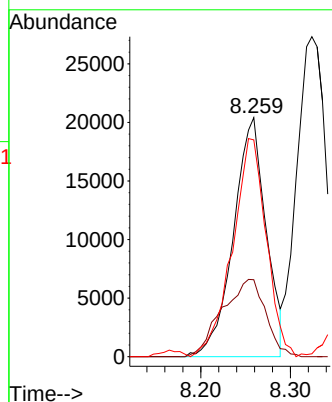
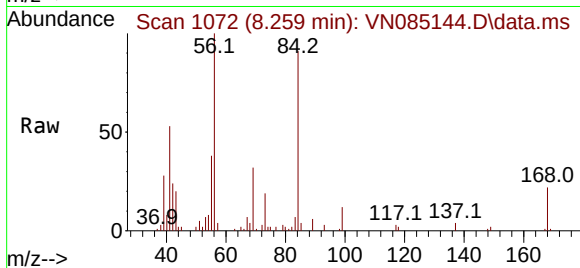
Tgt Ion: 56 Resp: 51467

Ion Ratio Lower Upper

56 100

69 32.2 24.6 36.8

84 88.5 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 18.262 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

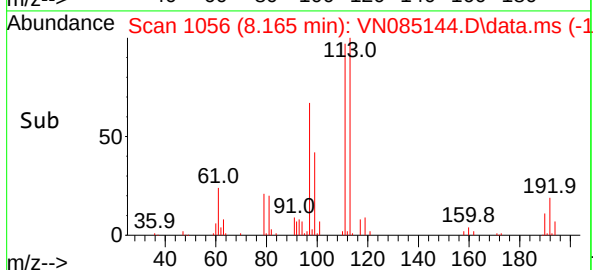
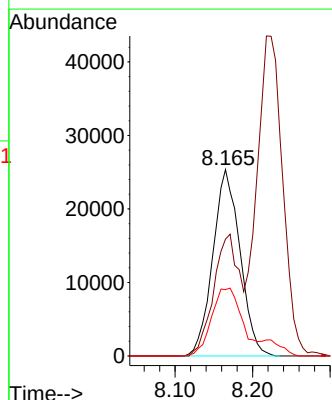
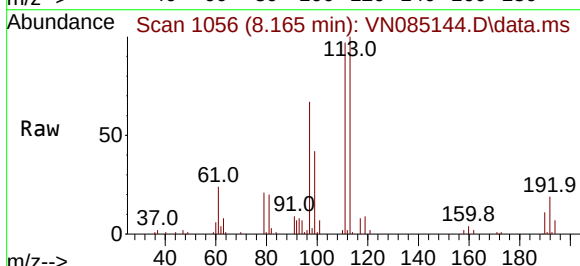
Tgt Ion: 97 Resp: 61775

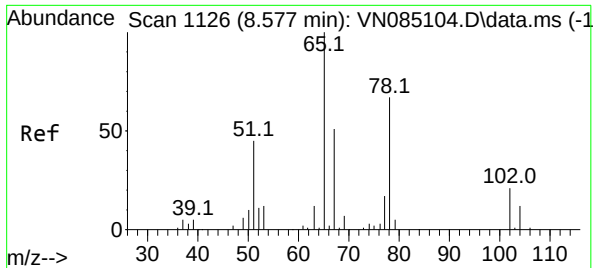
Ion Ratio Lower Upper

97 100

99 61.8 51.0 76.4

61 40.7 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 45.770 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

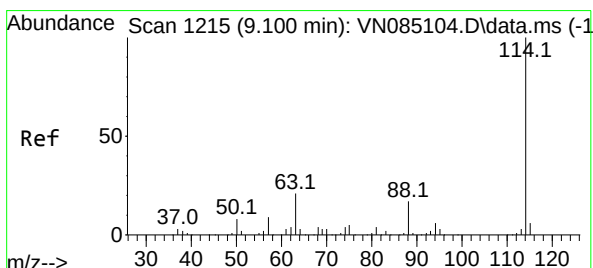
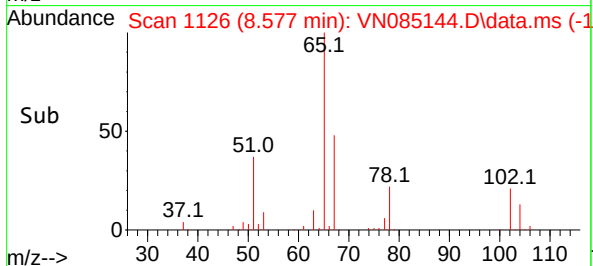
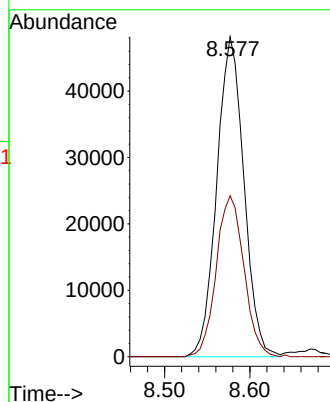
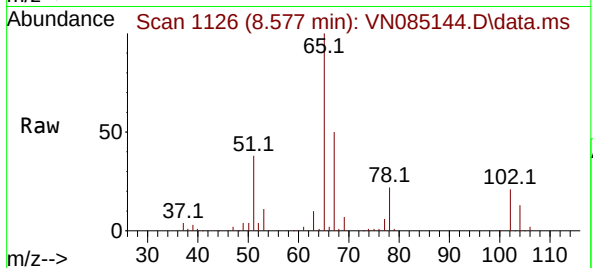
VN1209WBS01

Tgt Ion: 65 Resp: 106459

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

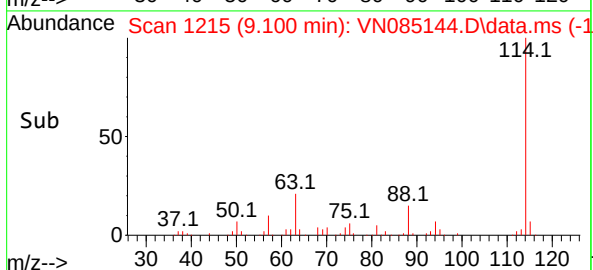
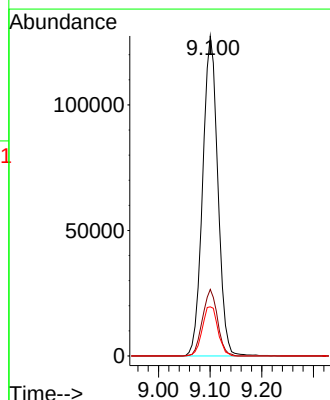
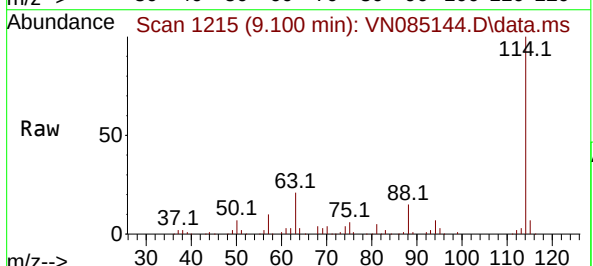
Tgt Ion: 114 Resp: 259546

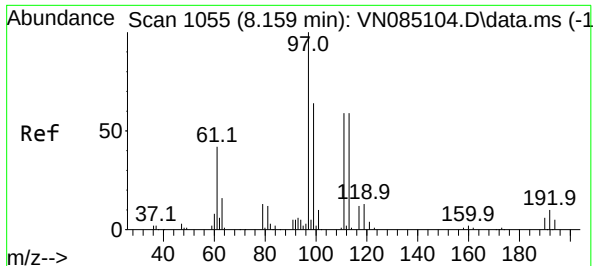
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.0

88 15.3 0.0 34.8

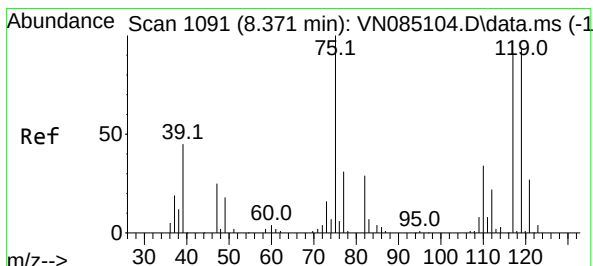
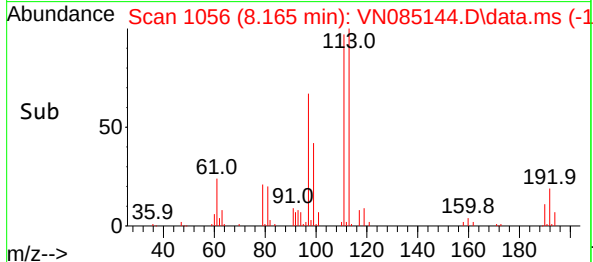
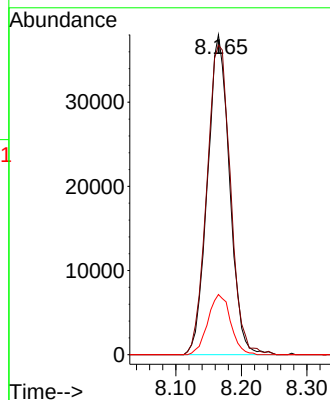
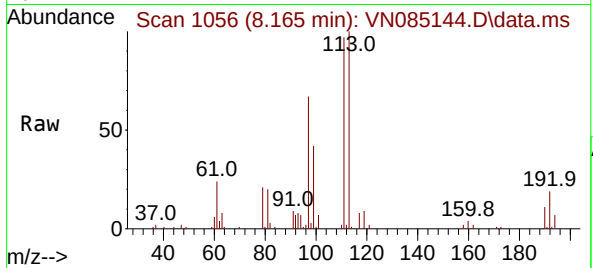




#35
Dibromofluoromethane
Concen: 50.875 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

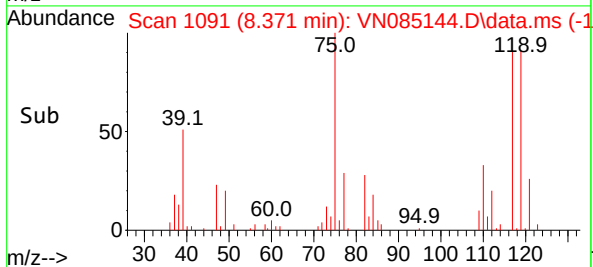
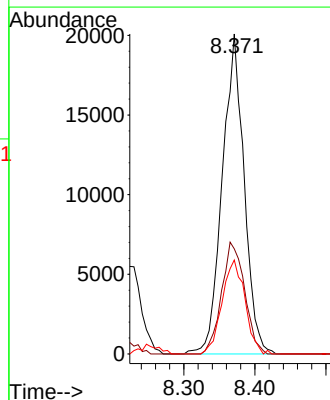
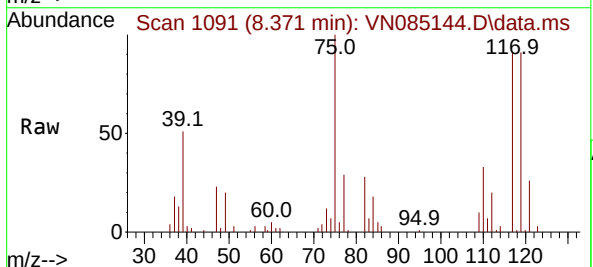
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

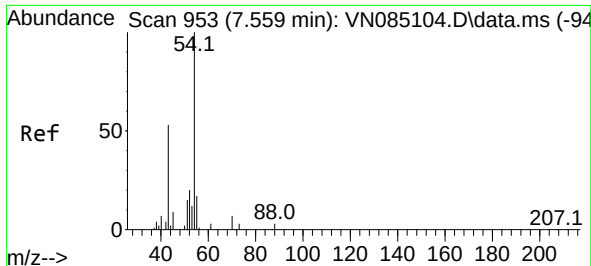
Tgt Ion:113 Resp: 89046
Ion Ratio Lower Upper
113 100
111 103.4 82.0 123.0
192 19.4 14.8 22.2



#36
1,1-Dichloropropene
Concen: 18.075 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 42851
Ion Ratio Lower Upper
75 100
110 36.9 17.2 51.6
77 30.8 24.2 36.4





#37

Ethyl Acetate

Concen: 19.744 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

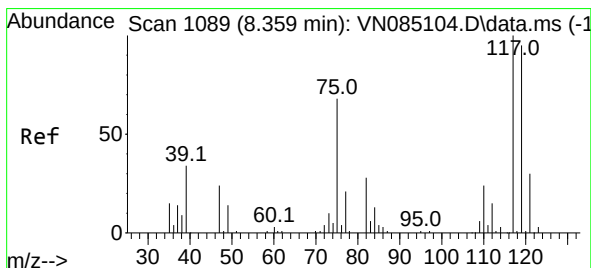
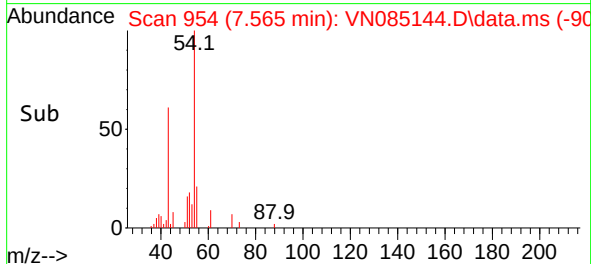
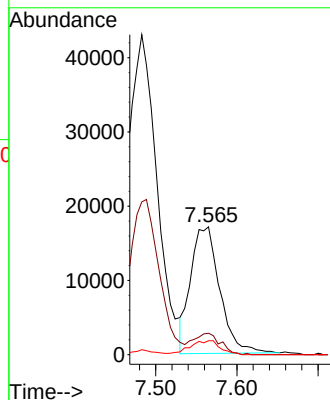
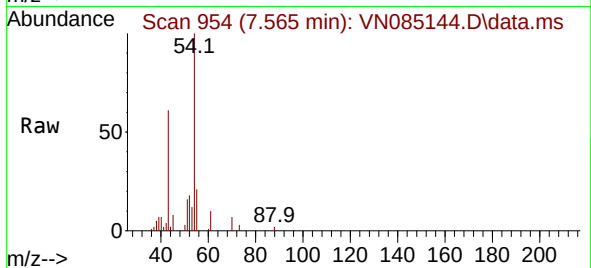
Tgt Ion: 43 Resp: 42554

Ion Ratio Lower Upper

43 100

61 16.0 11.7 17.5

70 11.6 9.3 13.9



#38

Carbon Tetrachloride

Concen: 19.750 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

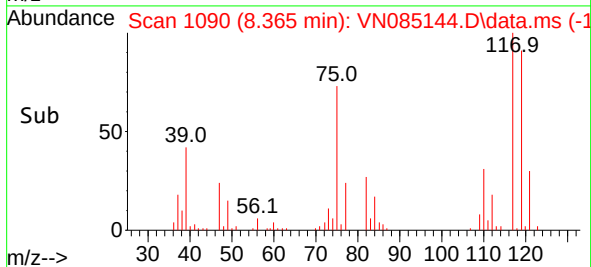
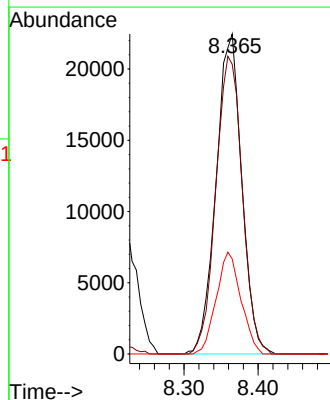
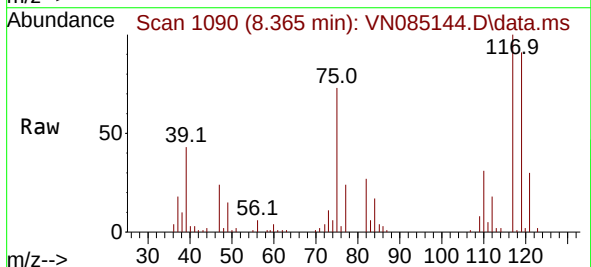
Tgt Ion: 117 Resp: 54048

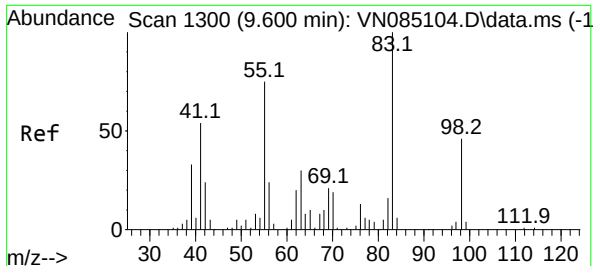
Ion Ratio Lower Upper

117 100

119 90.5 78.6 117.8

121 29.7 24.2 36.2





#39

Methylcyclohexane

Concen: 17.347 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

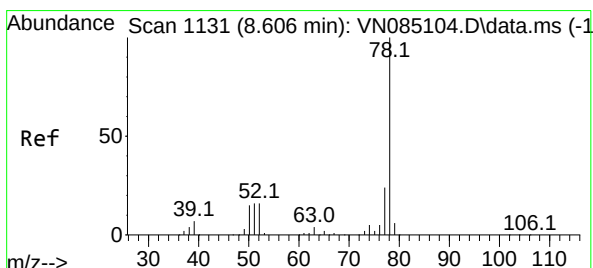
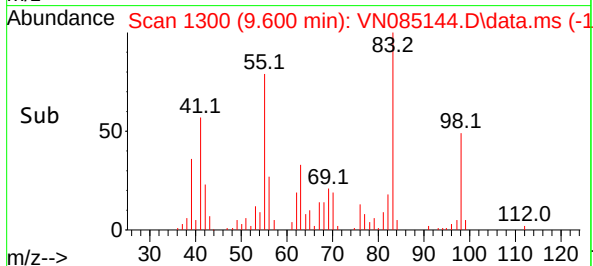
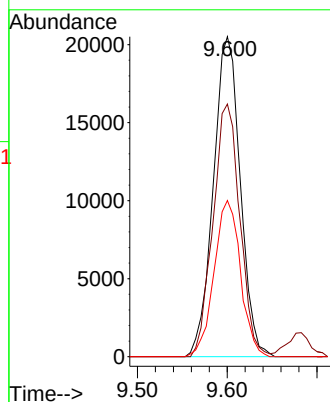
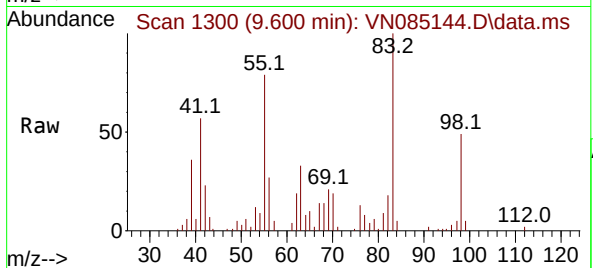
Tgt Ion: 83 Resp: 42735

Ion Ratio Lower Upper

83 100

55 79.0 61.8 92.6

98 48.8 37.0 55.6



#40

Benzene

Concen: 18.573 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085144.D

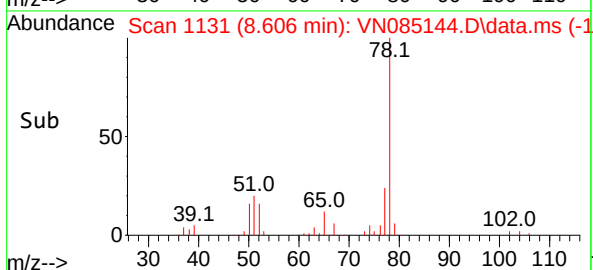
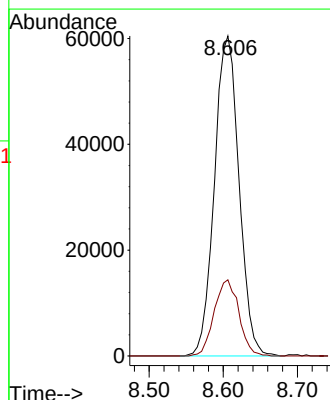
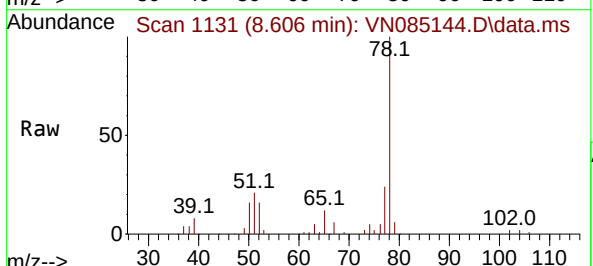
Acq: 09 Dec 2024 11:35

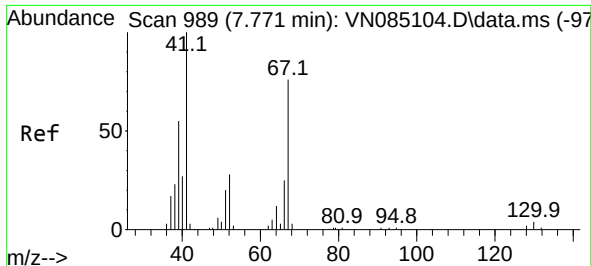
Tgt Ion: 78 Resp: 139262

Ion Ratio Lower Upper

78 100

77 23.8 18.5 27.7



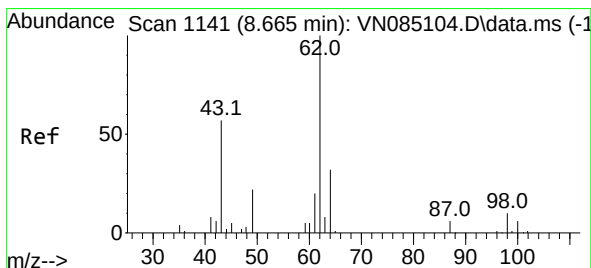
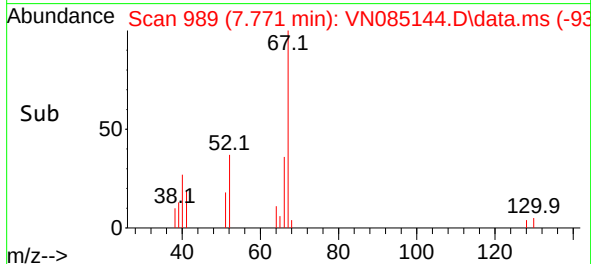
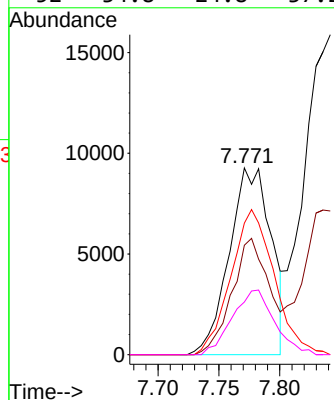
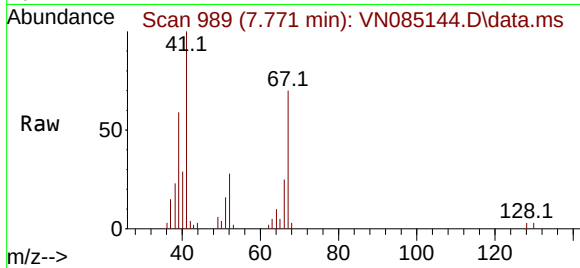


#41
Methacrylonitrile
Concen: 18.646 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion: 41 Resp: 22251

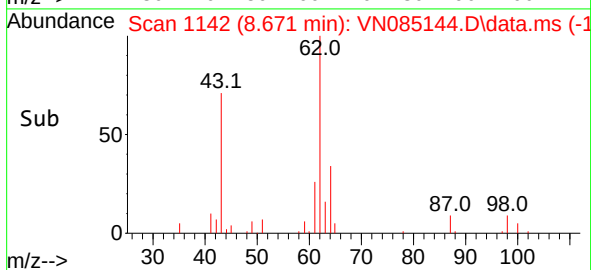
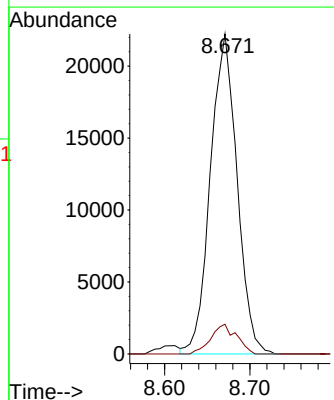
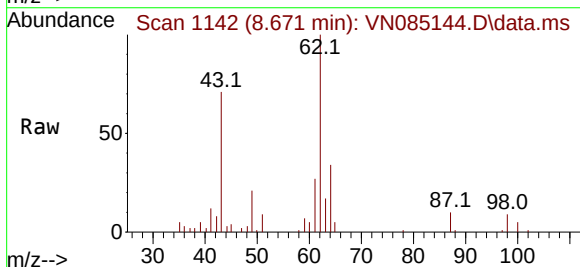
Ion	Ratio	Lower	Upper
41	100		
39	55.1	42.6	63.8
67	80.1	59.9	89.9
52	34.8	24.8	37.2

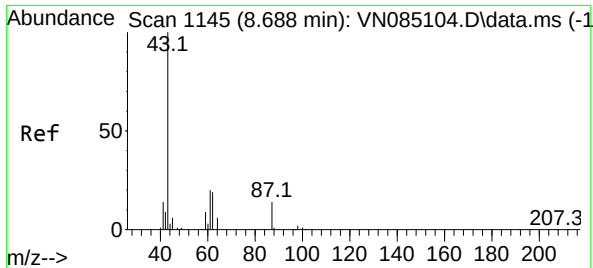


#42
1,2-Dichloroethane
Concen: 18.845 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 62 Resp: 48342

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2

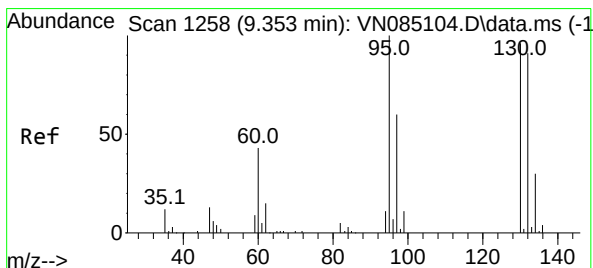
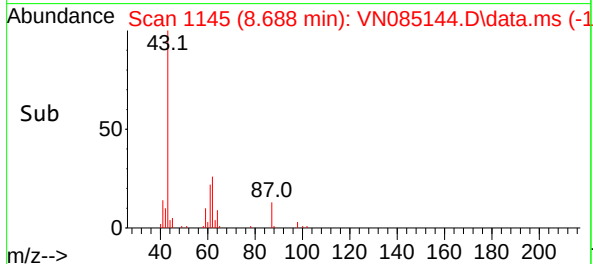
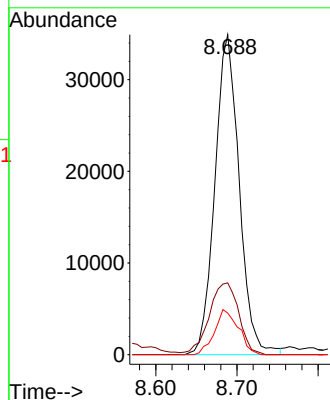
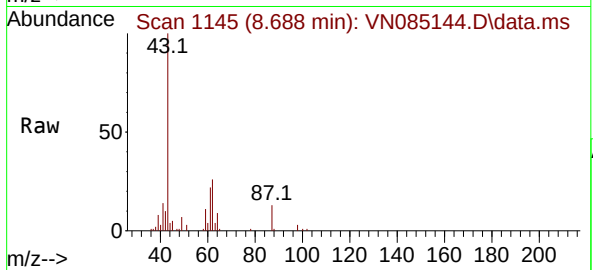




#43
Isopropyl Acetate
Concen: 16.245 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

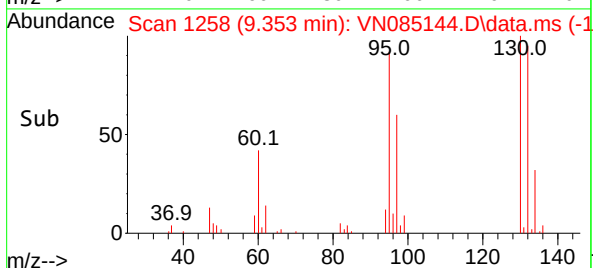
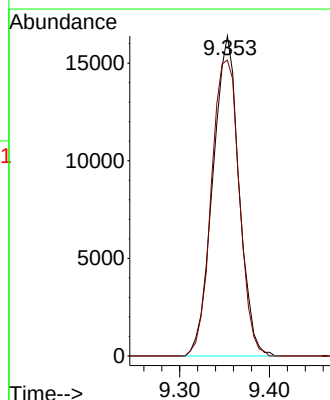
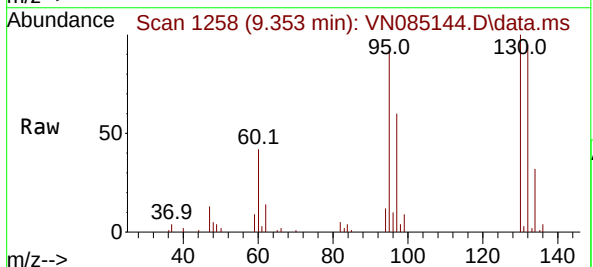
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

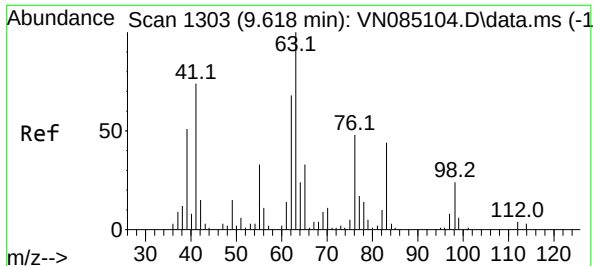
Tgt Ion:	43	Resp:	72727
Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.6	30.8
87	13.9	11.0	16.4



#44
Trichloroethene
Concen: 19.010 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:	130	Resp:	33126
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	213.4





#45

1,2-Dichloropropane

Concen: 18.593 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

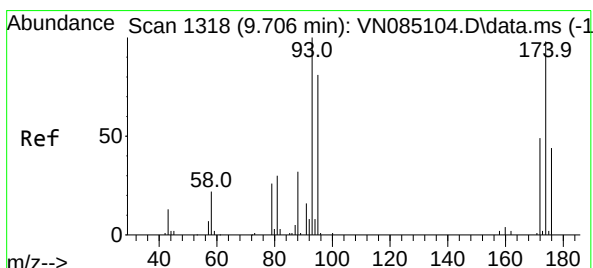
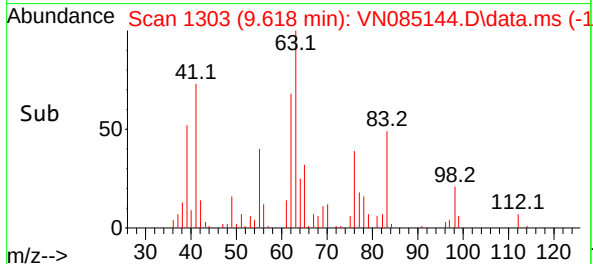
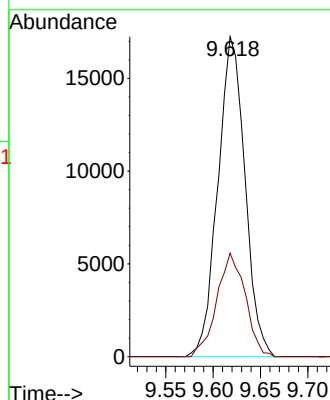
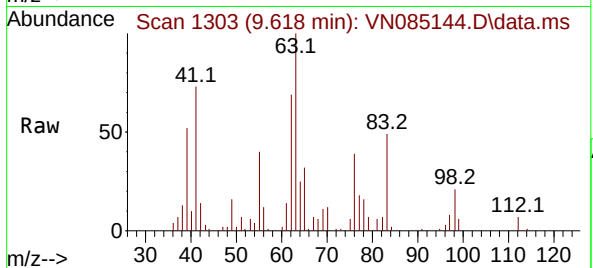
VN1209WBS01

Tgt Ion: 63 Resp: 34338

Ion Ratio Lower Upper

63 100

65 32.4 24.0 36.0



#46

Dibromomethane

Concen: 19.674 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

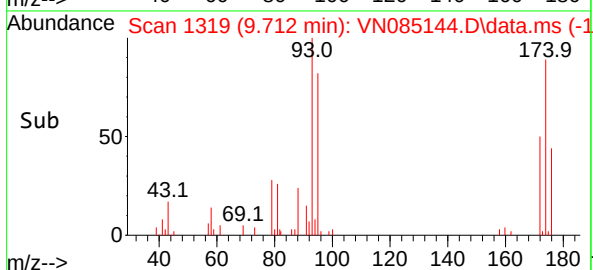
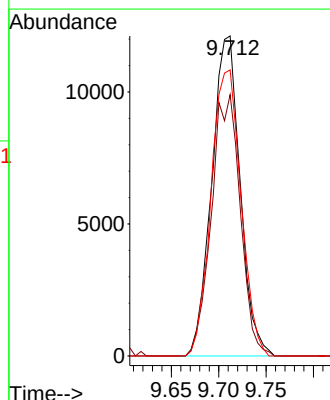
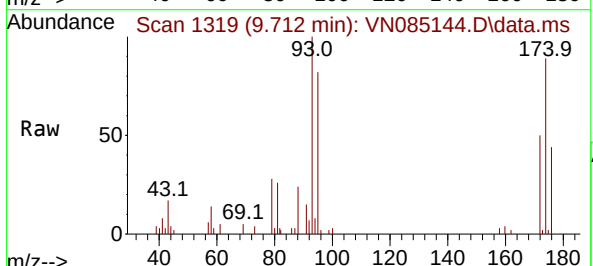
Tgt Ion: 93 Resp: 25247

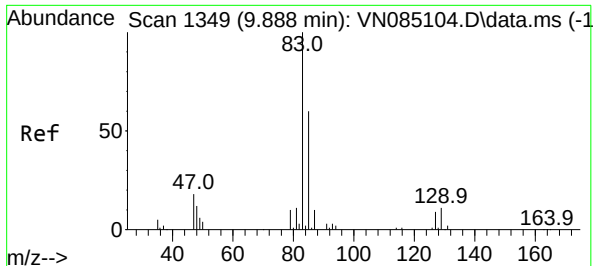
Ion Ratio Lower Upper

93 100

95 83.1 66.2 99.4

174 94.2 74.9 112.3





#47

Bromodichloromethane

Concen: 19.002 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

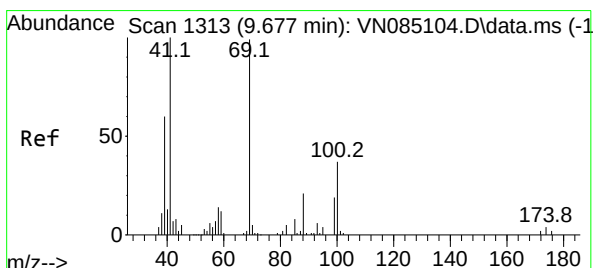
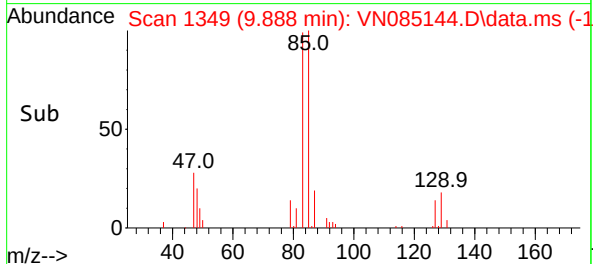
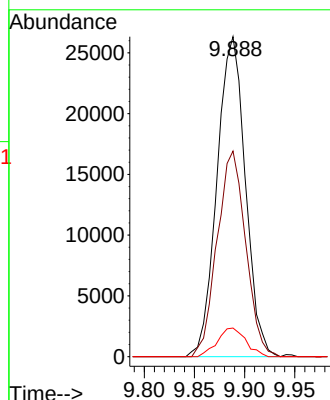
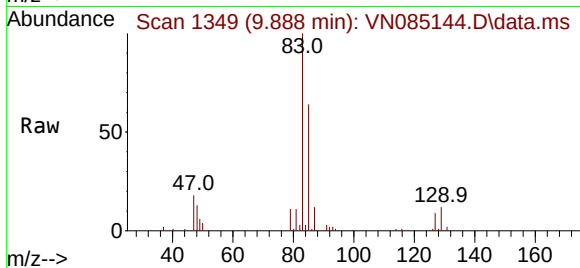
Tgt Ion: 83 Resp: 51682

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7

127 9.0 7.1 10.7



#48

Methyl methacrylate

Concen: 20.109 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

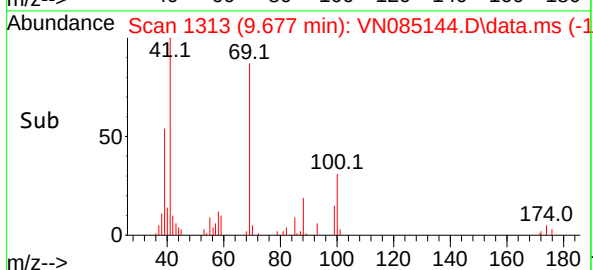
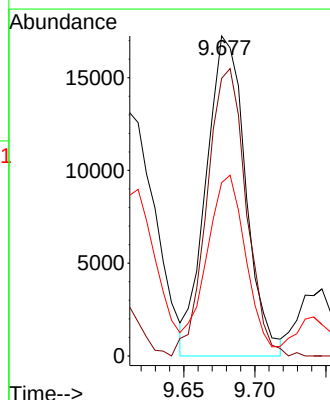
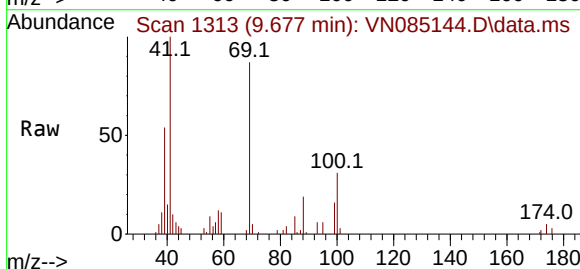
Tgt Ion: 41 Resp: 33500

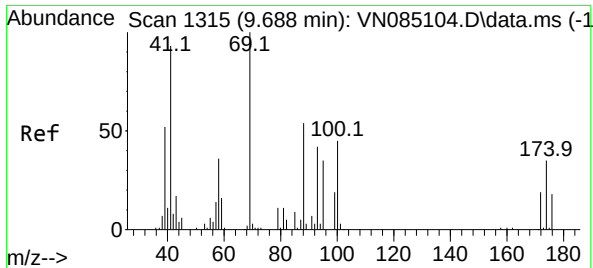
Ion Ratio Lower Upper

41 100

69 88.5 73.2 109.8

39 56.1 46.2 69.4





#49

1,4-Dioxane

Concen: 461.086 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

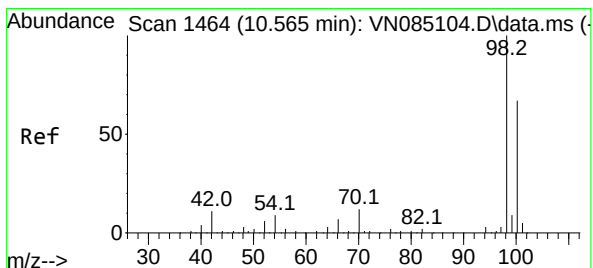
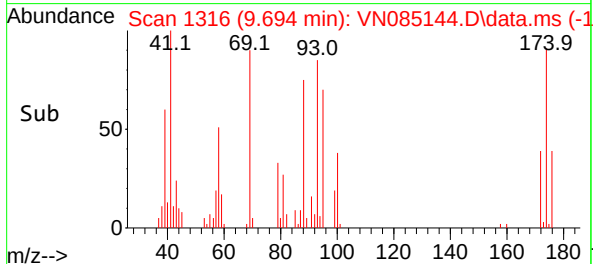
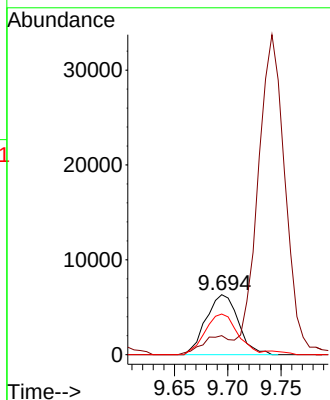
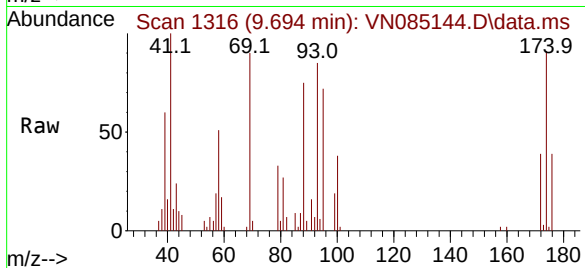
Tgt Ion: 88 Resp: 13321

Ion Ratio Lower Upper

88 100

43 29.8 16.7 25.1#

58 69.0 56.5 84.7



#50

Toluene-d8

Concen: 48.643 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085144.D

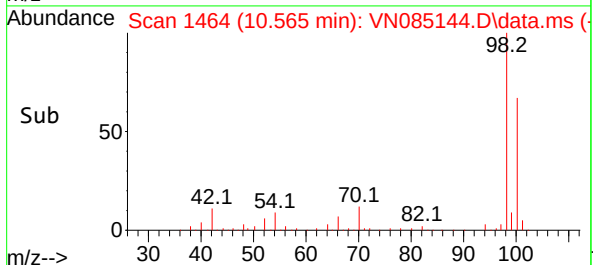
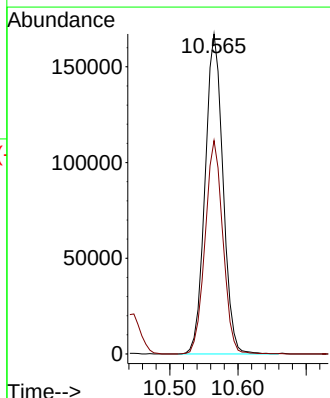
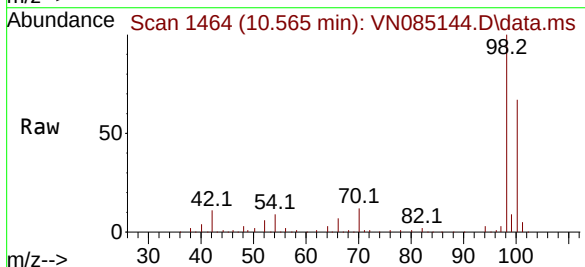
Acq: 09 Dec 2024 11:35

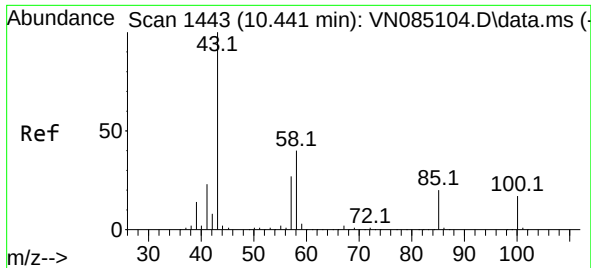
Tgt Ion: 98 Resp: 305121

Ion Ratio Lower Upper

98 100

100 66.4 52.5 78.7

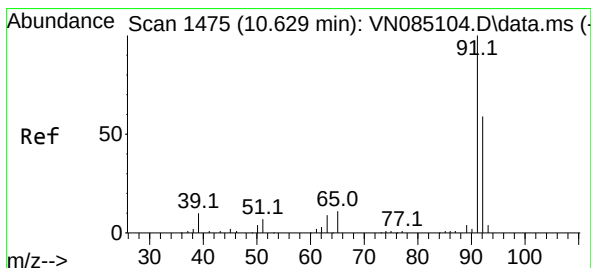
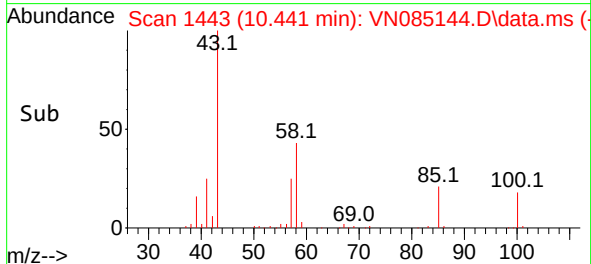
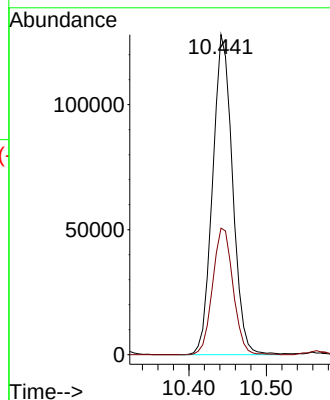
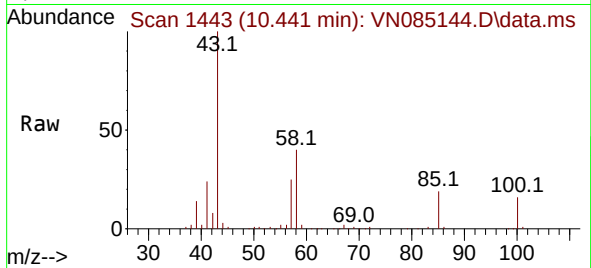




#51
4-Methyl-2-Pentanone
Concen: 111.838 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

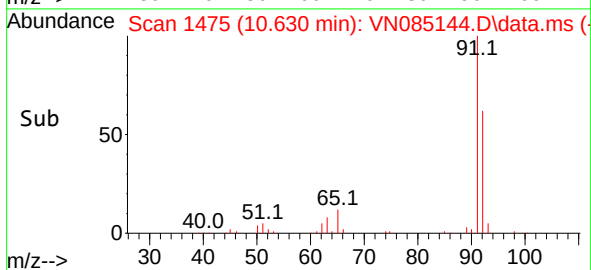
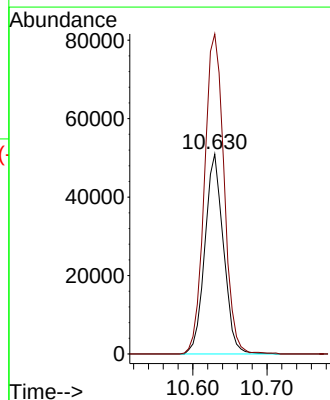
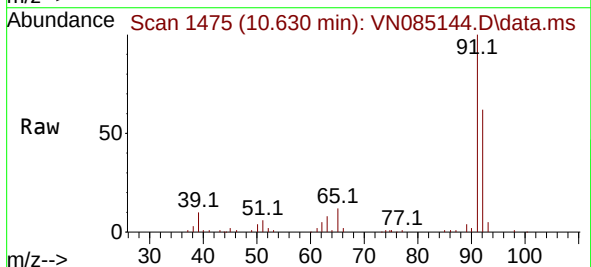
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

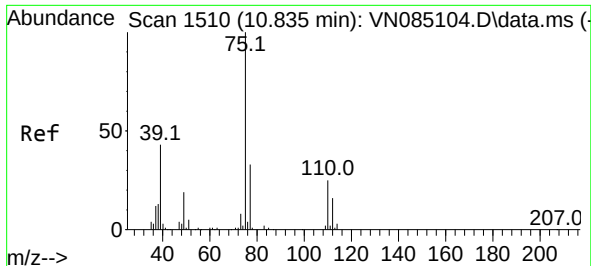
Tgt Ion: 43 Resp: 228689
Ion Ratio Lower Upper
43 100
58 40.5 32.1 48.1



#52
Toluene
Concen: 20.025 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 92 Resp: 88892
Ion Ratio Lower Upper
92 100
91 168.5 136.7 205.1

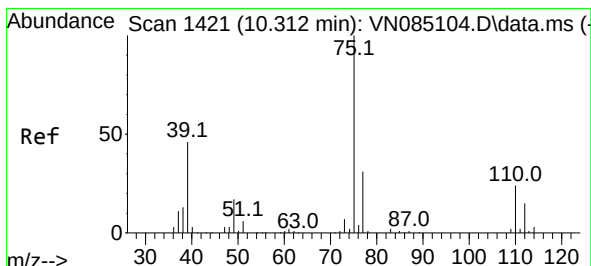
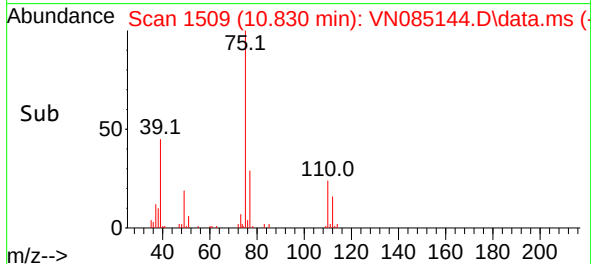
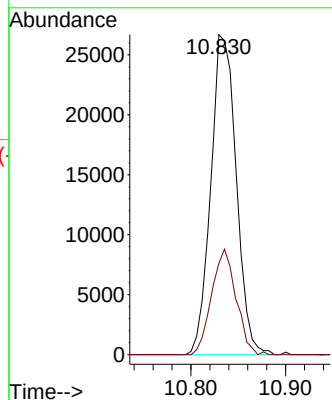
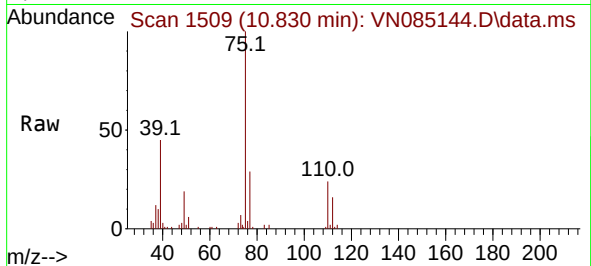




#53
t-1,3-Dichloropropene
Concen: 18.255 ug/l
RT: 10.830 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

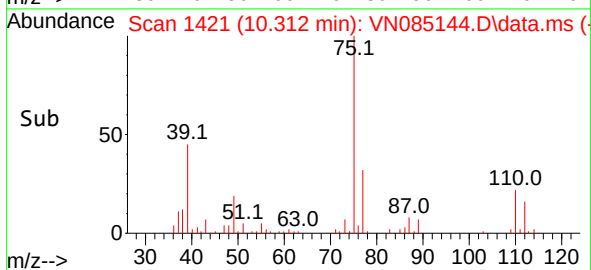
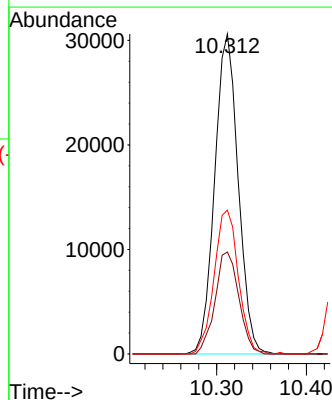
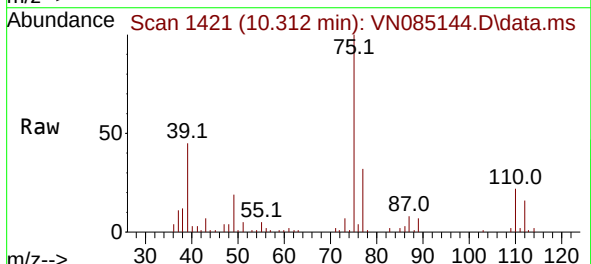
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

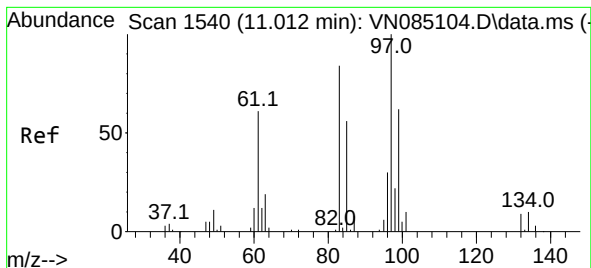
Tgt Ion: 75 Resp: 49777
Ion Ratio Lower Upper
75 100
77 28.6 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 19.228 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 55624
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4
39 44.9 37.6 56.4





#55

1,1,2-Trichloroethane

Concen: 20.727 ug/l

RT: 11.018 min Scan# 1540

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 97 Resp: 34271

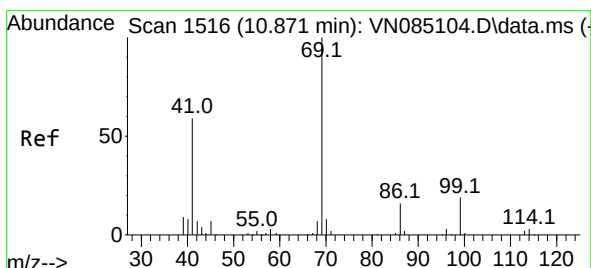
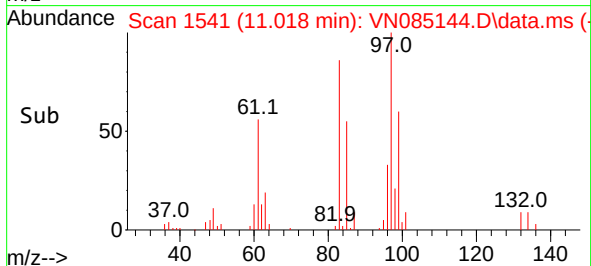
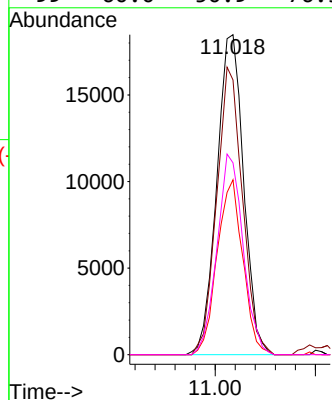
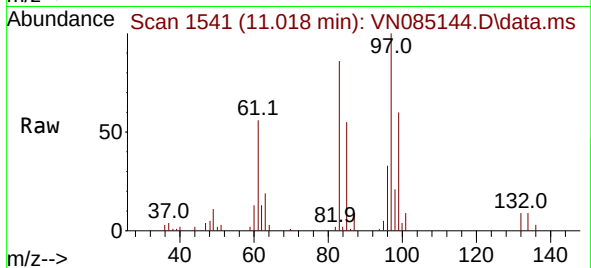
Ion Ratio Lower Upper

97 100

83 85.8 67.4 101.2

85 54.6 43.1 64.7

99 60.0 50.9 76.3



#56

Ethyl methacrylate

Concen: 20.617 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

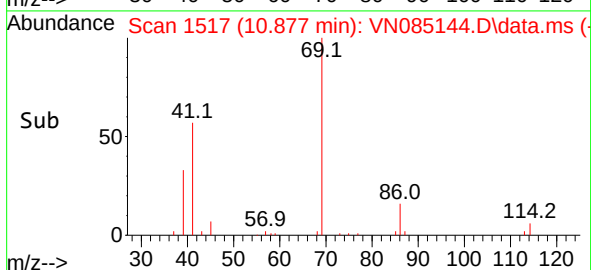
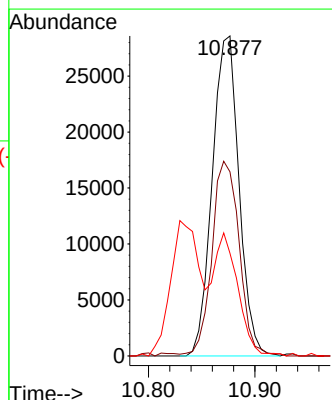
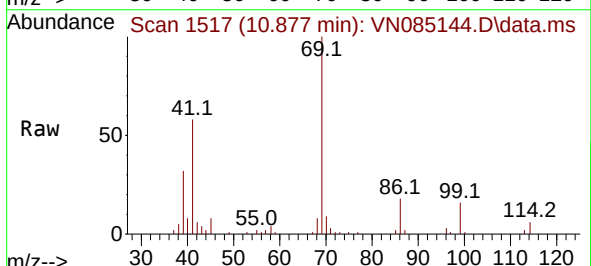
Tgt Ion: 69 Resp: 49811

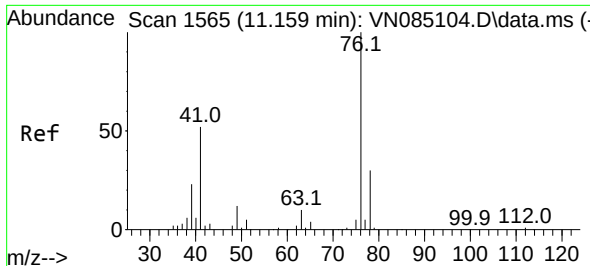
Ion Ratio Lower Upper

69 100

41 62.2 50.0 75.0

39 35.7 27.0 40.6





#57

1,3-Dichloropropane

Concen: 18.863 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

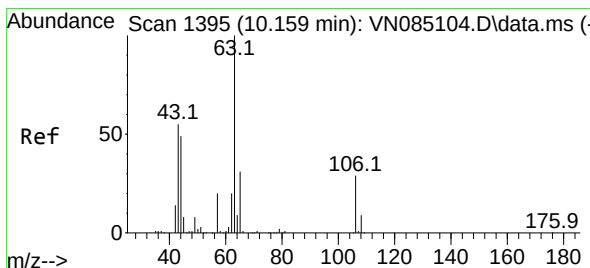
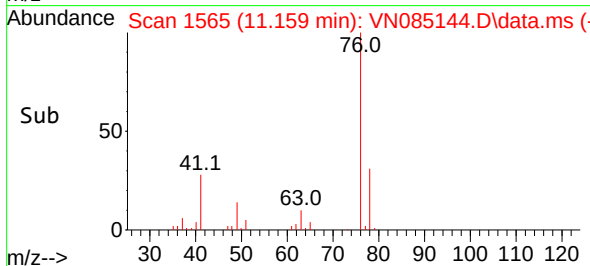
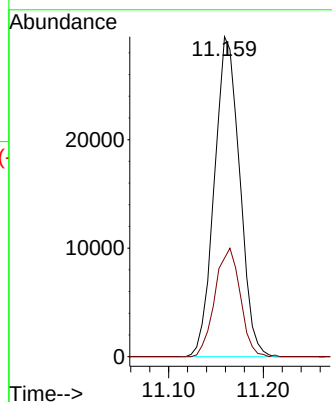
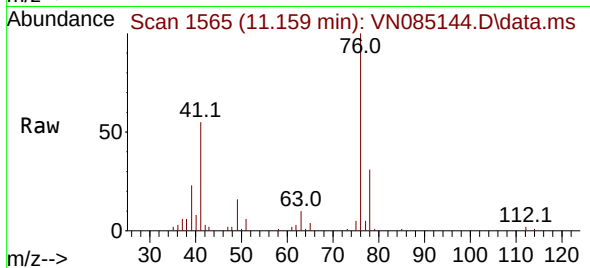
VN1209WBS01

Tgt Ion: 76 Resp: 54891

Ion Ratio Lower Upper

76 100

78 33.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 90.899 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085144.D

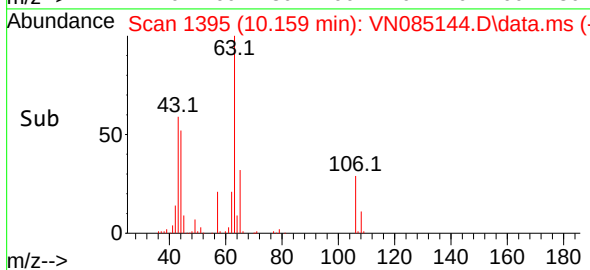
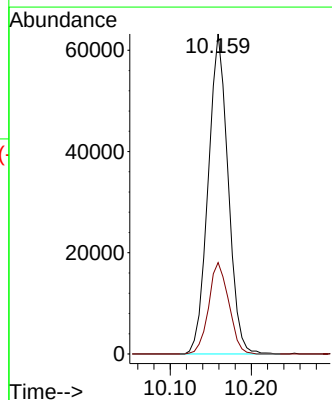
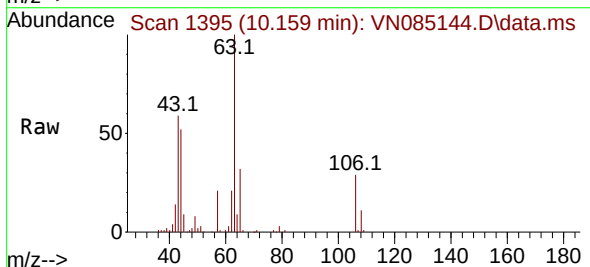
Acq: 09 Dec 2024 11:35

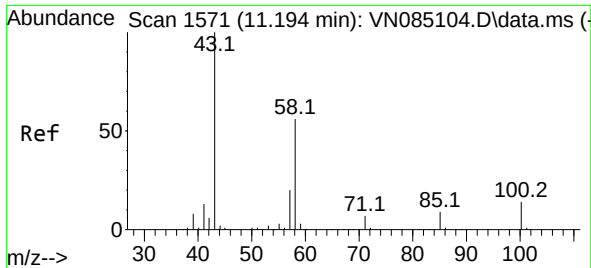
Tgt Ion: 63 Resp: 107728

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

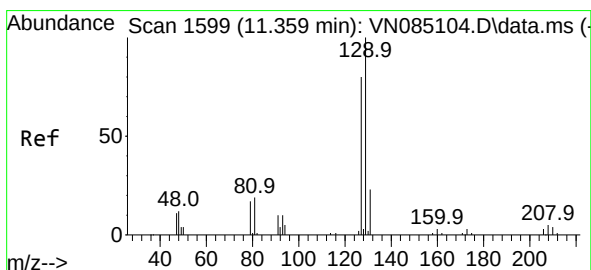
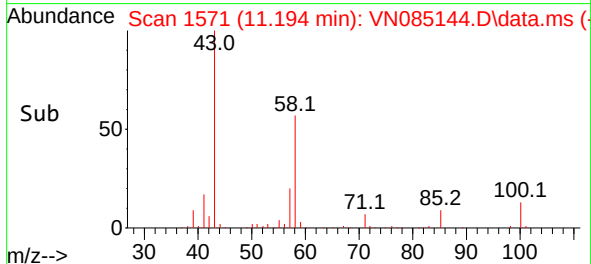
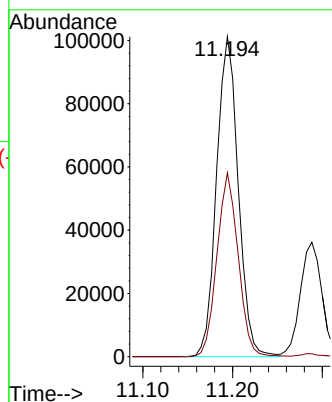
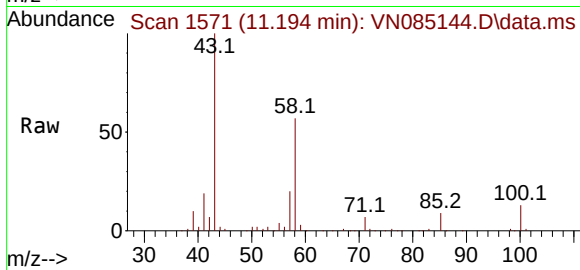




#59
2-Hexanone
Concen: 111.153 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

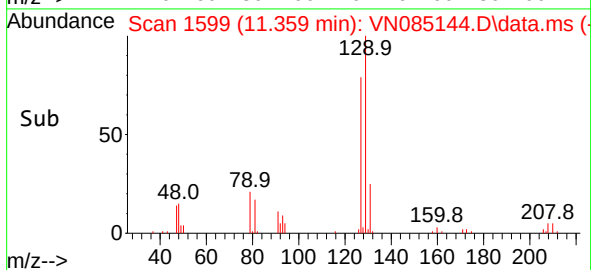
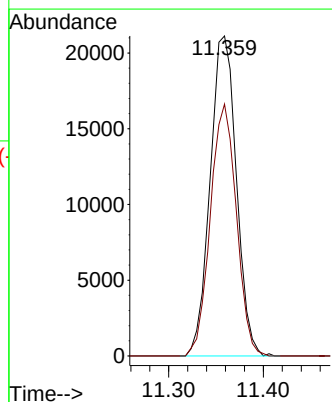
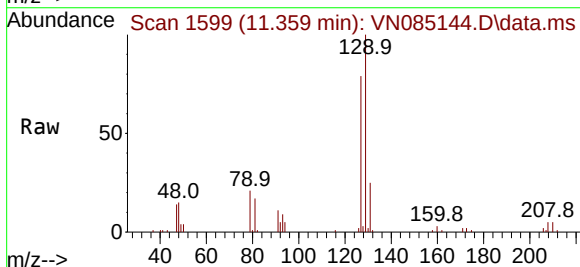
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

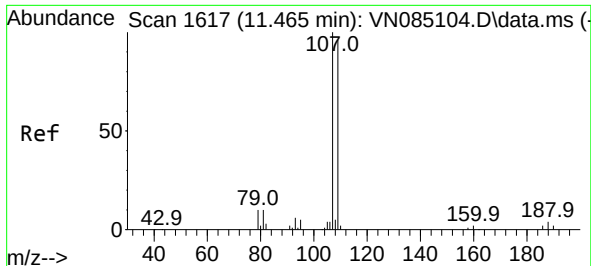
Tgt Ion: 43 Resp: 169991
Ion Ratio Lower Upper
43 100
58 56.3 28.3 85.0



#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:129 Resp: 40779
Ion Ratio Lower Upper
129 100
127 77.8 39.2 117.6

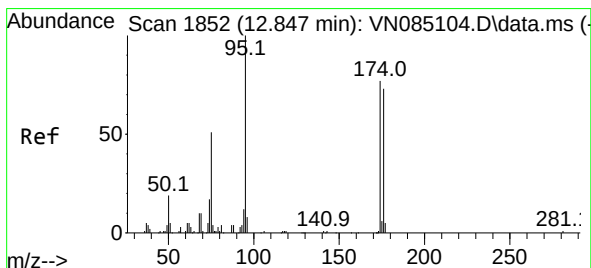
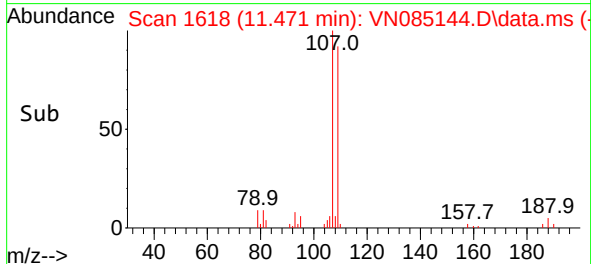
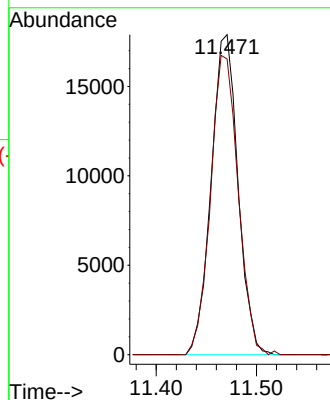
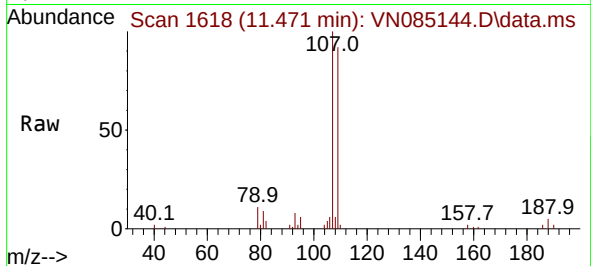




#61
1,2-Dibromoethane
Concen: 19.372 ug/l
RT: 11.471 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

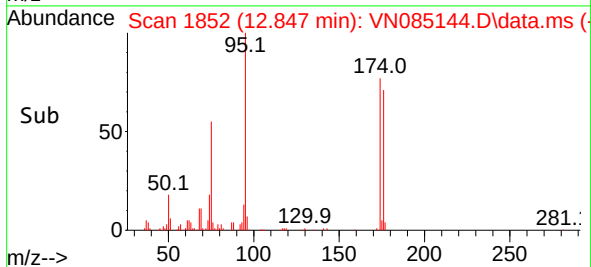
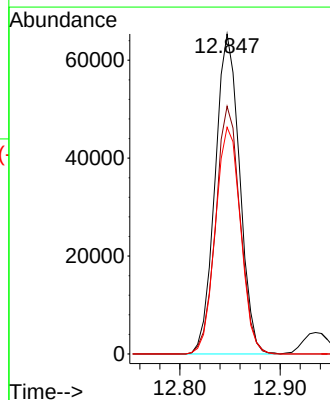
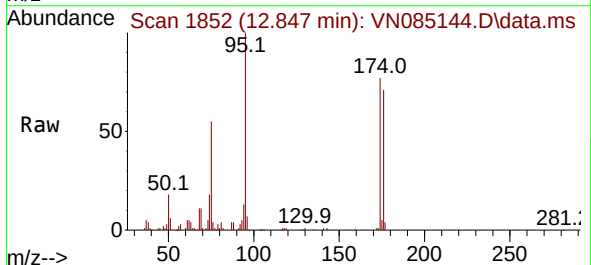
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

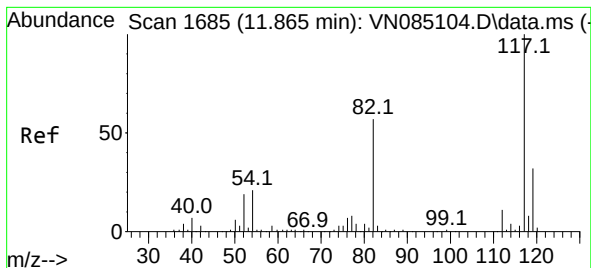
Tgt Ion:107 Resp: 33148
Ion Ratio Lower Upper
107 100
109 96.7 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 47.272 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 95 Resp: 110888
Ion Ratio Lower Upper
95 100
174 77.2 0.0 146.6
176 72.7 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

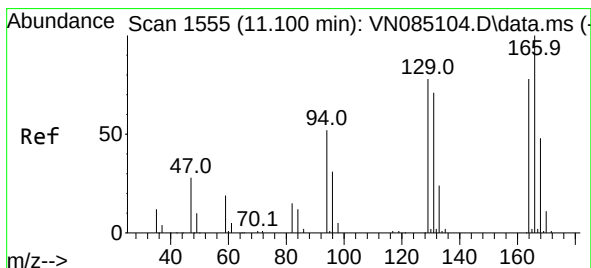
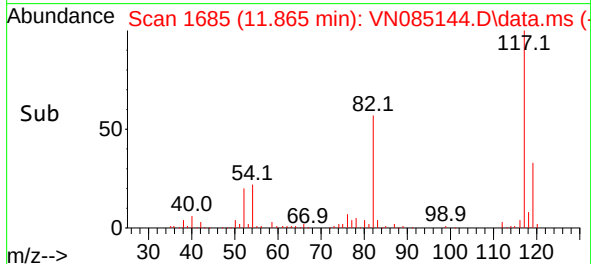
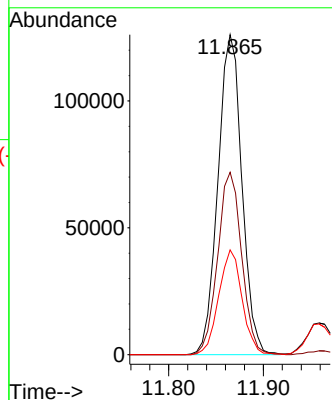
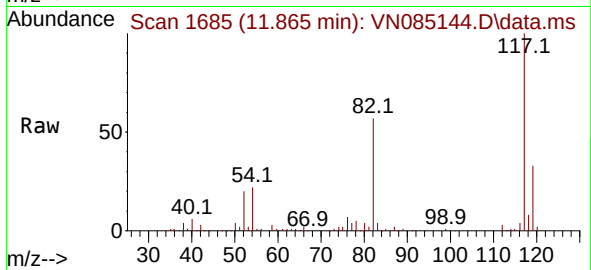
Tgt Ion:117 Resp: 222034

Ion Ratio Lower Upper

117 100

82 57.0 46.0 69.0

119 32.8 25.6 38.4



#64

Tetrachloroethene

Concen: 20.769 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion:164 Resp: 31073

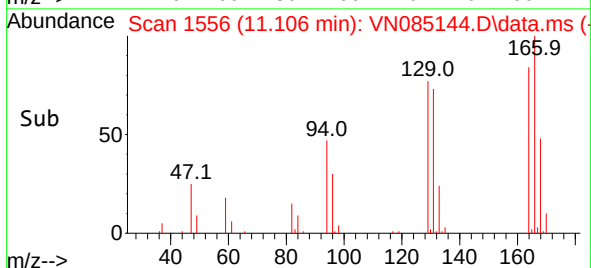
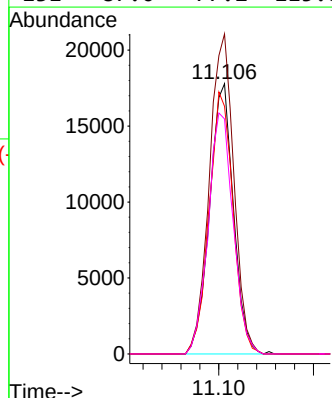
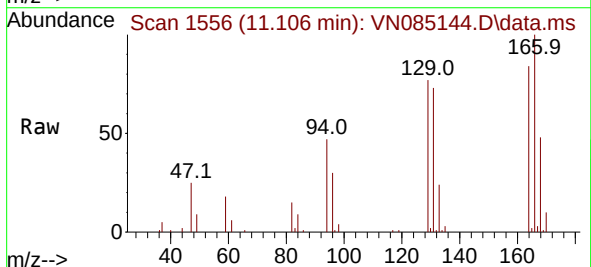
Ion Ratio Lower Upper

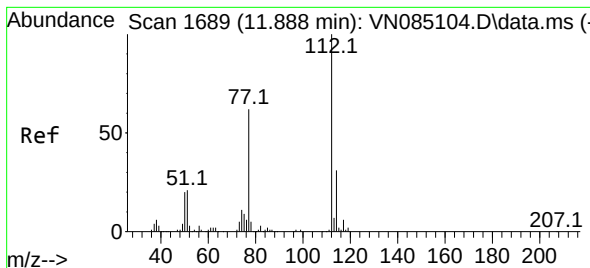
164 100

166 118.4 100.6 151.0

129 91.6 77.7 116.5

131 87.0 77.2 115.8





#65

Chlorobenzene

Concen: 18.322 ug/l

RT: 11.888 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

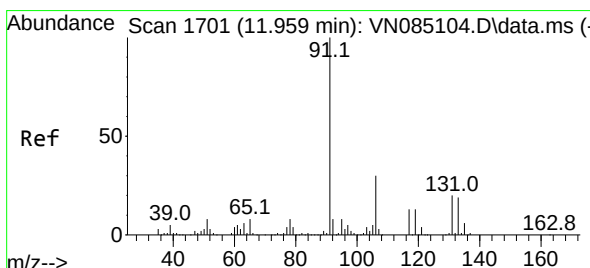
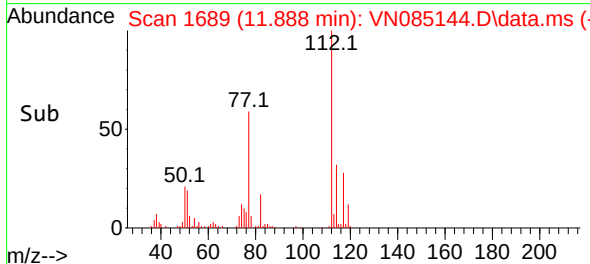
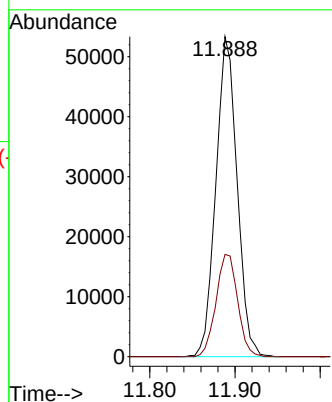
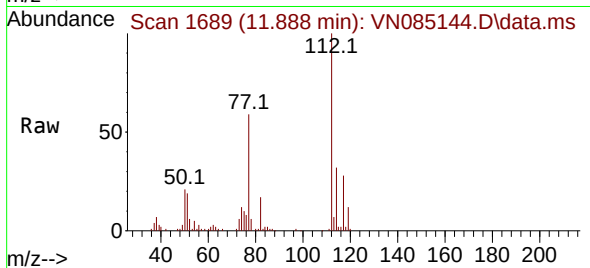
VN1209WBS01

Tgt Ion:112 Resp: 92261

Ion Ratio Lower Upper

112 100

114 31.9 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 19.936 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

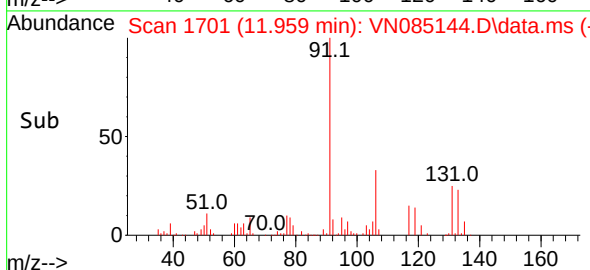
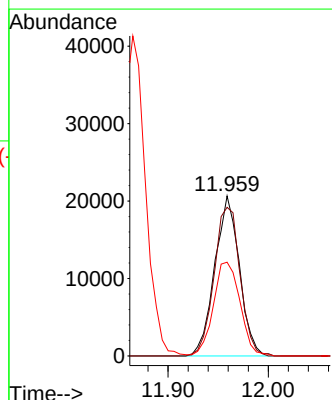
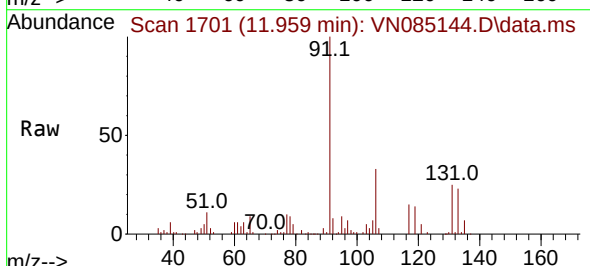
Tgt Ion:131 Resp: 35345

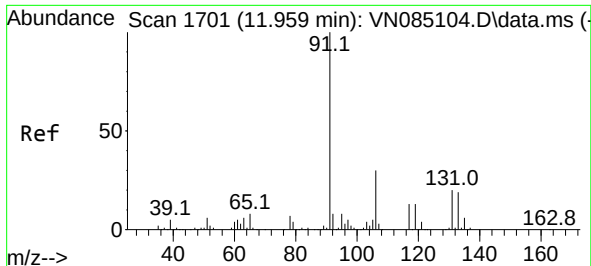
Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 63.1 32.1 96.3





#67

Ethyl Benzene

Concen: 19.210 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

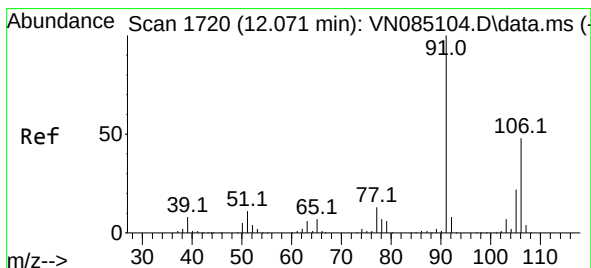
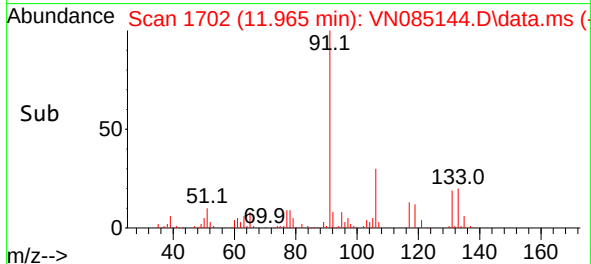
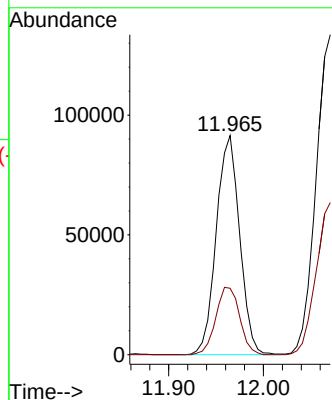
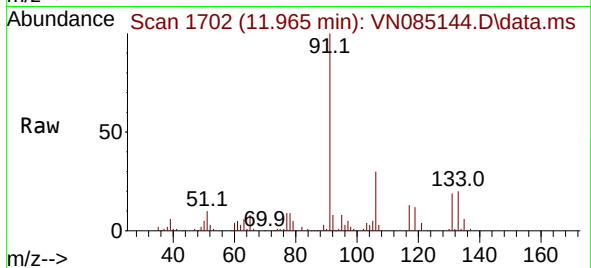
VN1209WBS01

Tgt Ion: 91 Resp: 156939

Ion Ratio Lower Upper

91 100

106 30.3 24.7 37.1



#68

m/p-Xylenes

Concen: 38.938 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085144.D

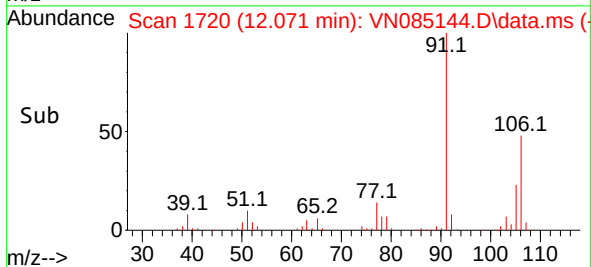
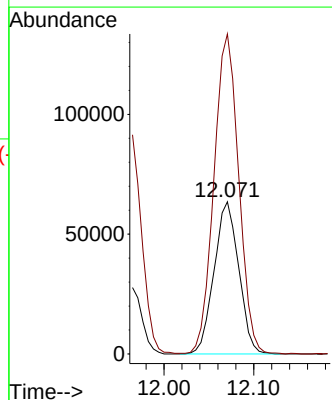
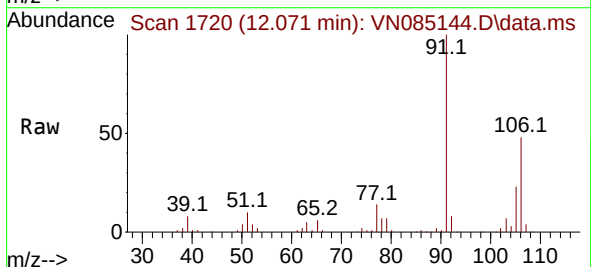
Acq: 09 Dec 2024 11:35

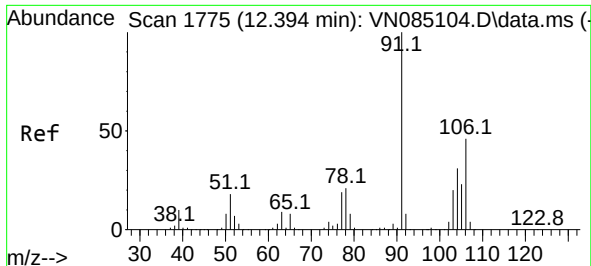
Tgt Ion:106 Resp: 121108

Ion Ratio Lower Upper

106 100

91 211.5 168.0 252.0

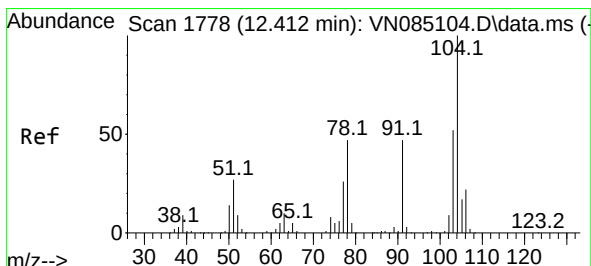
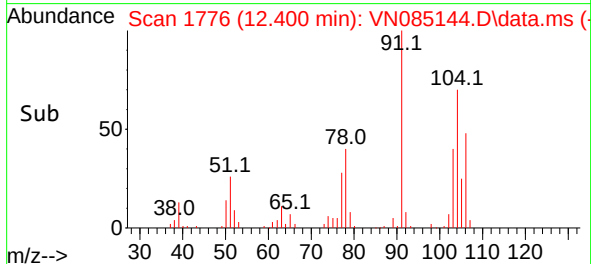
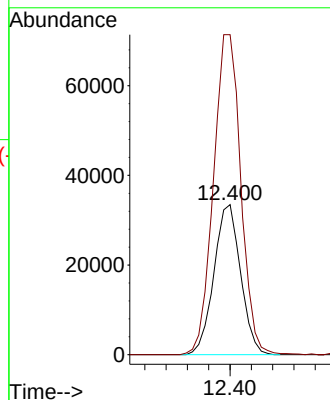
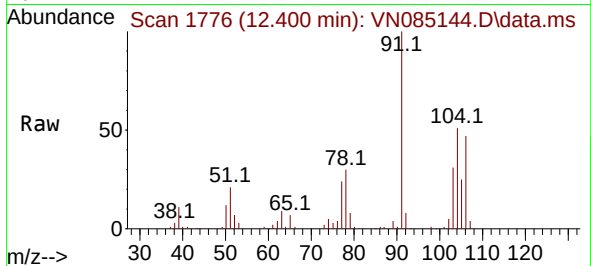




#69
o-Xylene
Concen: 19.599 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

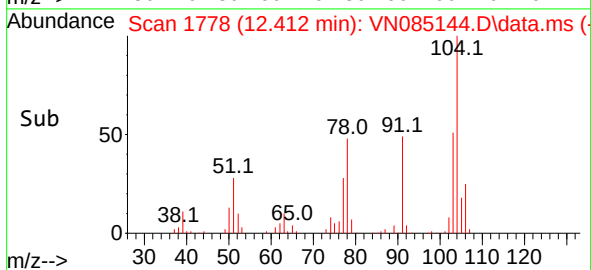
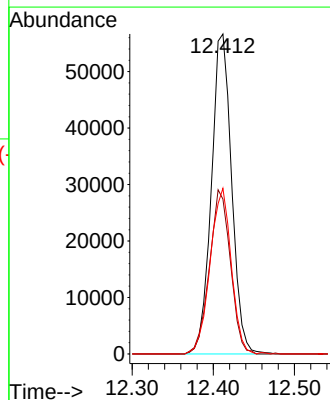
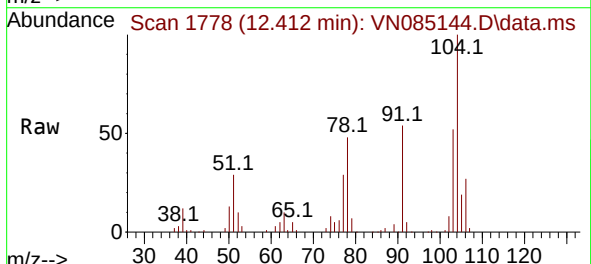
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

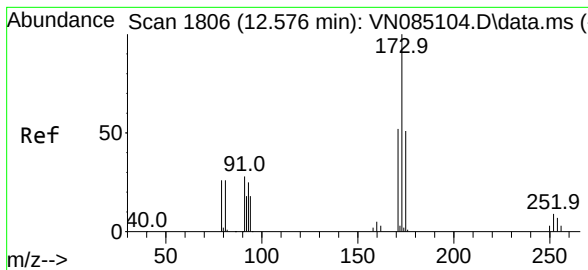
Tgt Ion:106 Resp: 57985
Ion Ratio Lower Upper
106 100
91 219.2 110.7 331.9



#70
Styrene
Concen: 19.960 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:104 Resp: 98206
Ion Ratio Lower Upper
104 100
78 53.2 42.3 63.5
103 53.8 44.2 66.2

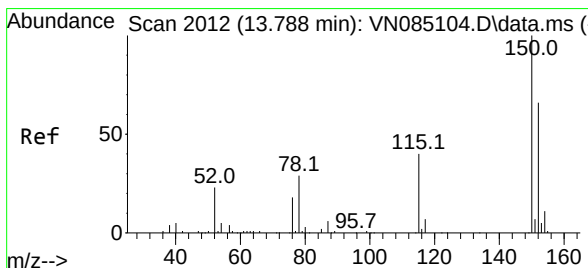
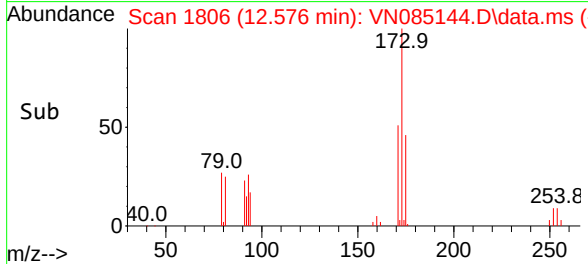
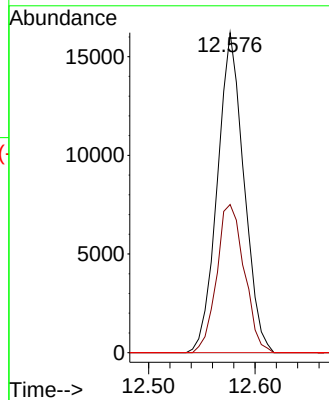
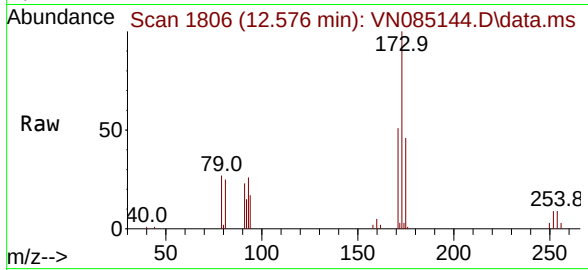




#71
Bromoform
Concen: 21.300 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

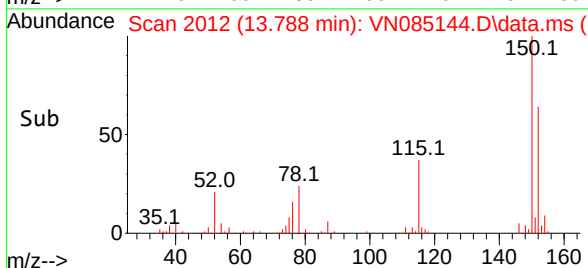
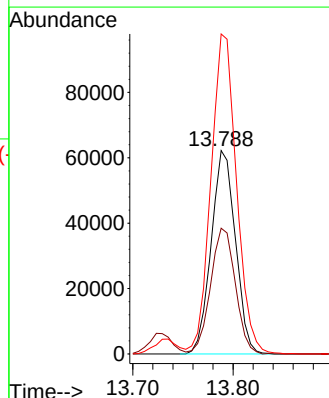
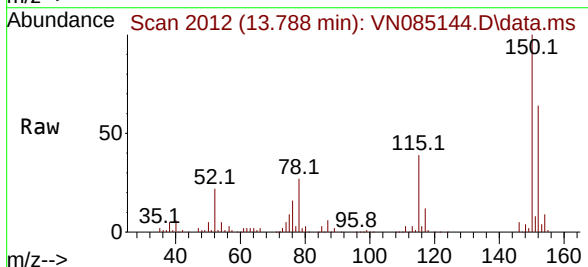
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

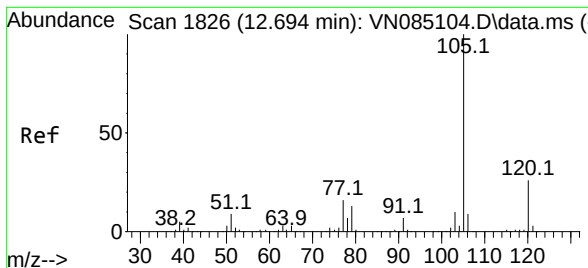
Tgt Ion:173 Resp: 28031
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:152 Resp: 104600
Ion Ratio Lower Upper
152 100
115 63.2 31.7 95.1
150 165.7 0.0 351.4





#73

Isopropylbenzene

Concen: 19.995 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

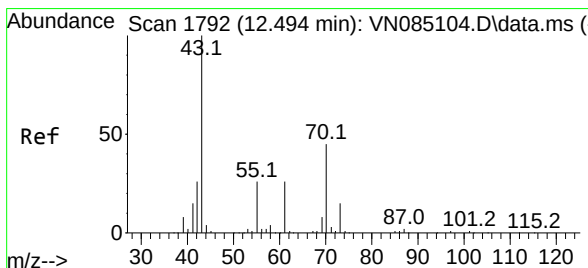
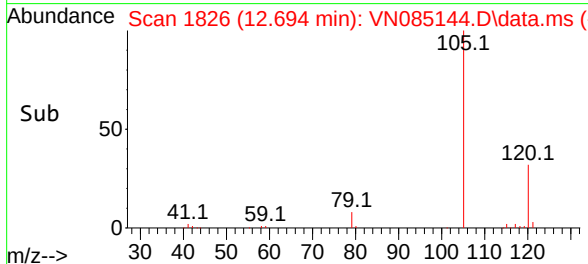
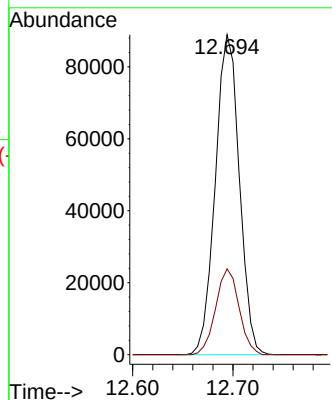
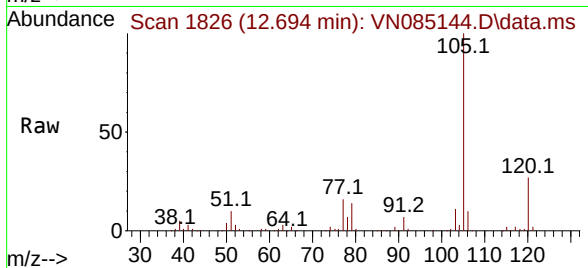
VN1209WBS01

Tgt Ion:105 Resp: 147544

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



#74

N-ethyl acetate

Concen: 20.417 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion: 43 Resp: 62083

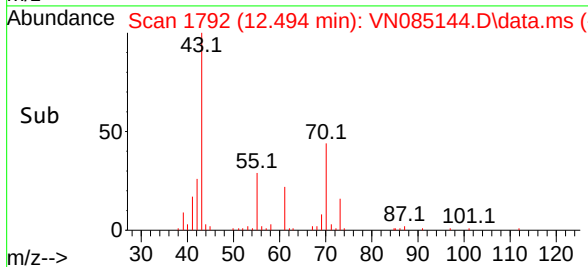
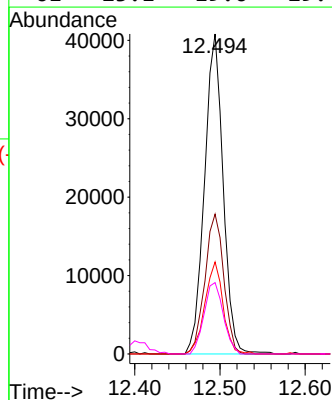
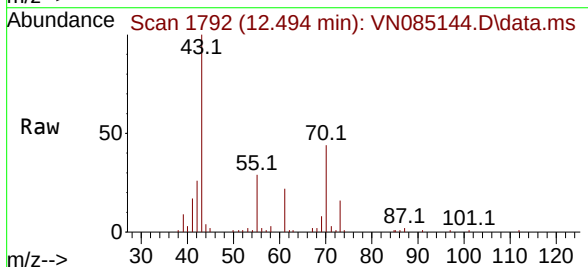
Ion Ratio Lower Upper

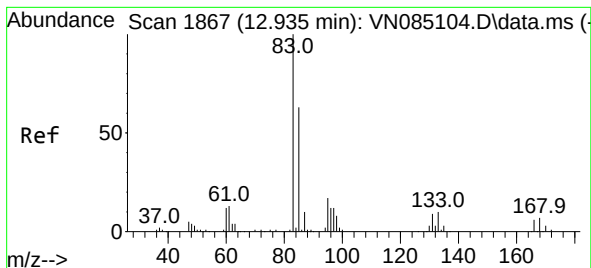
43 100

70 44.2 34.6 51.8

55 28.2 20.5 30.7

61 23.1 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.251 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

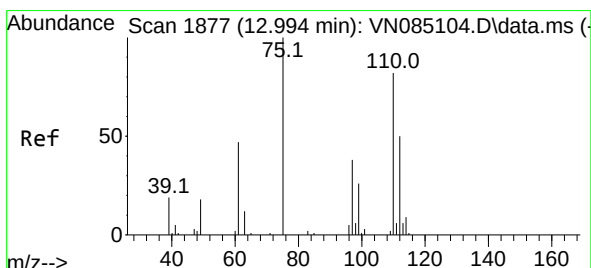
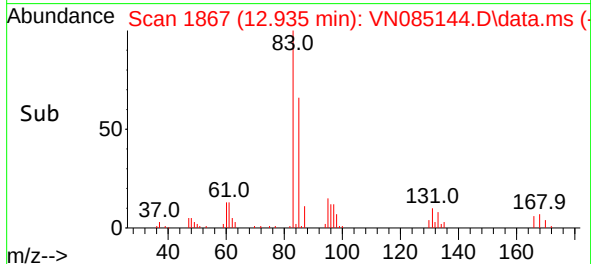
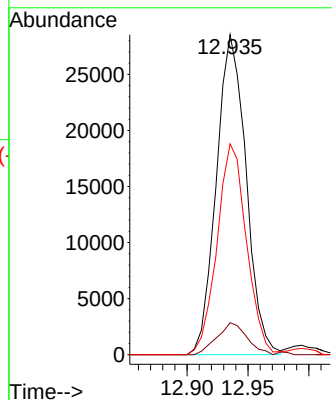
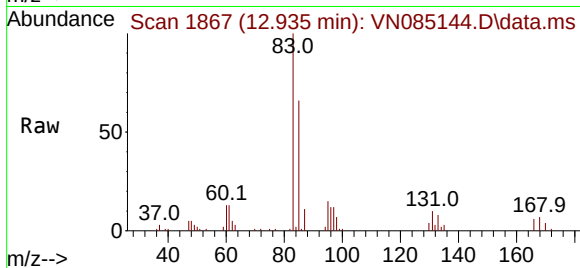
Tgt Ion: 83 Resp: 48508

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

85 65.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 32.264 ug/l

RT: 12.994 min Scan# 1877

Delta R.T. -0.000 min

Lab File: VN085144.D

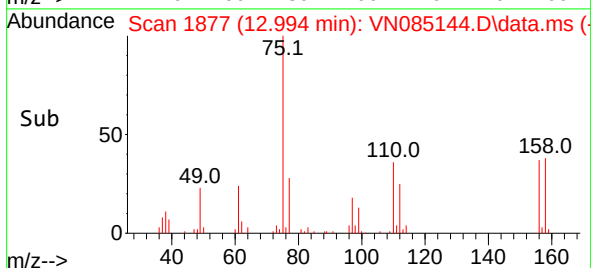
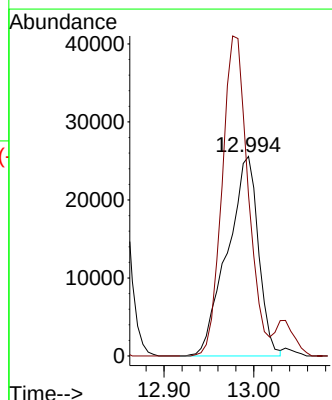
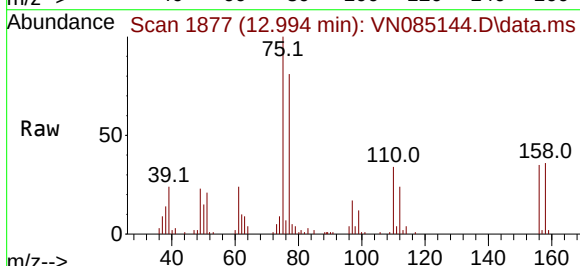
Acq: 09 Dec 2024 11:35

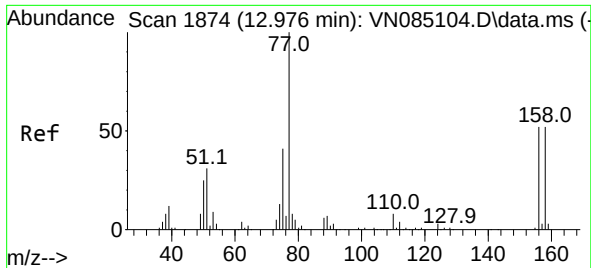
Tgt Ion: 75 Resp: 61386

Ion Ratio Lower Upper

75 100

77 134.6 109.1 327.4

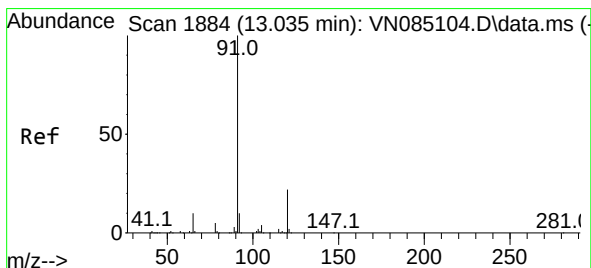
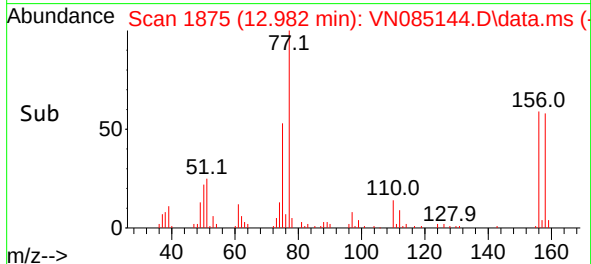
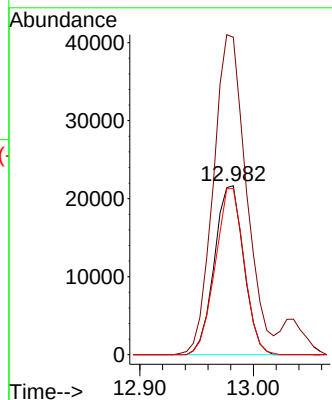
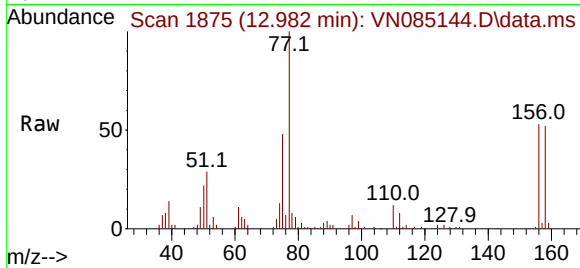




#77
Bromobenzene
Concen: 19.603 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

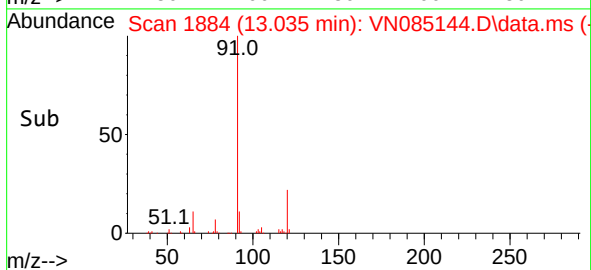
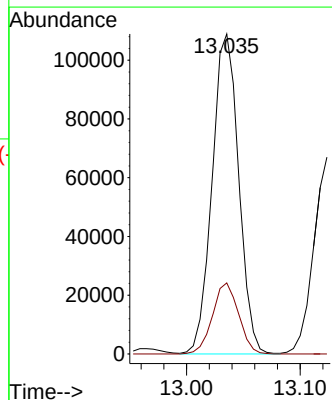
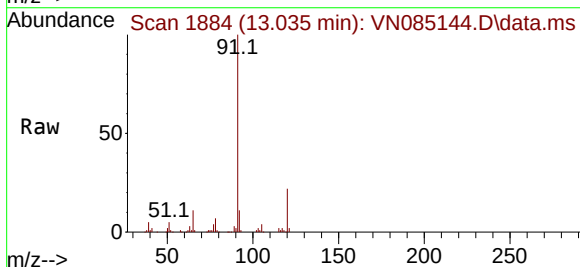
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

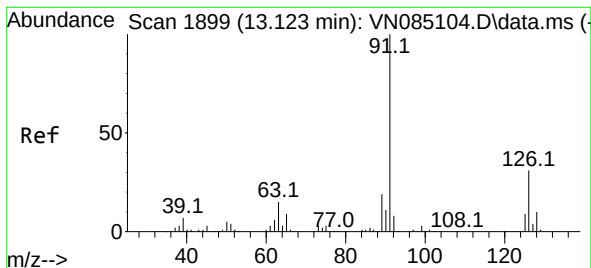
Tgt Ion:156 Resp: 38928
Ion Ratio Lower Upper
156 100
77 212.2 107.2 321.6
158 96.7 48.5 145.6



#78
n-propylbenzene
Concen: 20.808 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 91 Resp: 177101
Ion Ratio Lower Upper
91 100
120 21.8 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.552 ug/l

RT: 13.123 min Scan# 111085

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

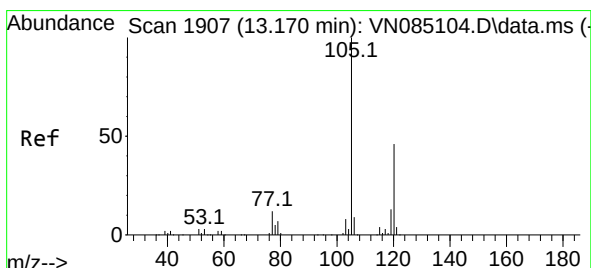
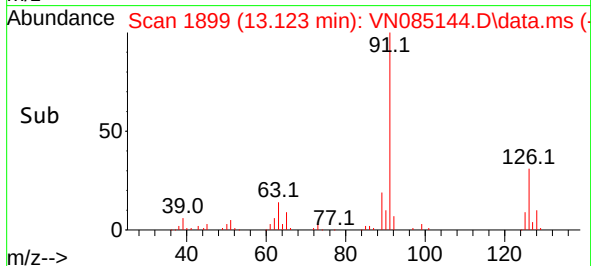
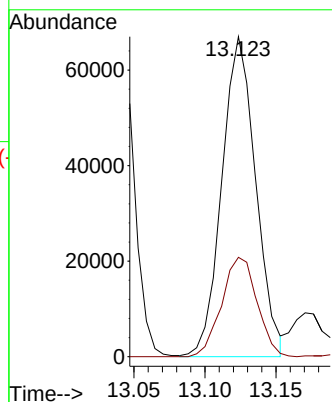
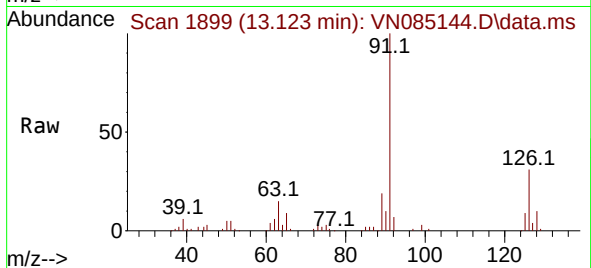
VN1209WBS01

Tgt Ion: 91 Resp: 111085

Ion Ratio Lower Upper

91 100

126 32.4 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 20.291 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085144.D

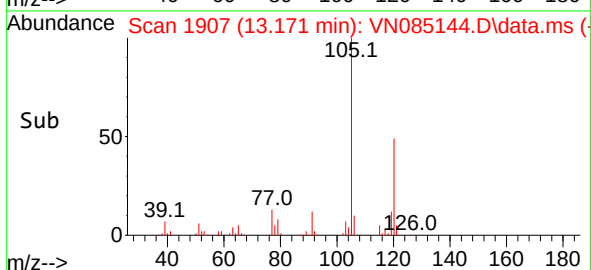
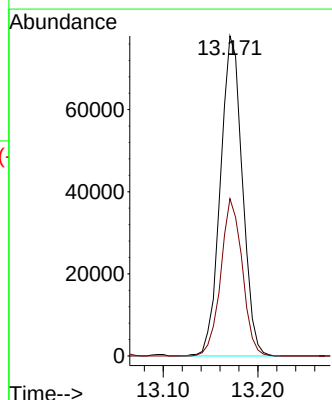
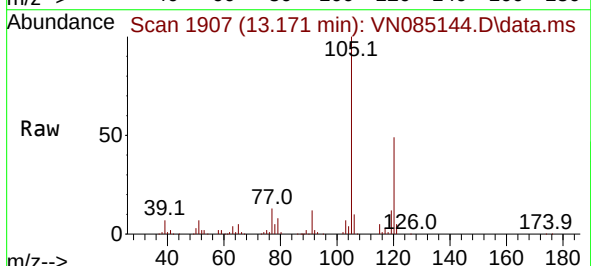
Acq: 09 Dec 2024 11:35

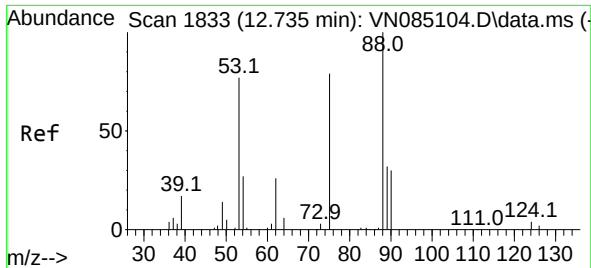
Tgt Ion:105 Resp: 125642

Ion Ratio Lower Upper

105 100

120 48.0 23.6 71.0

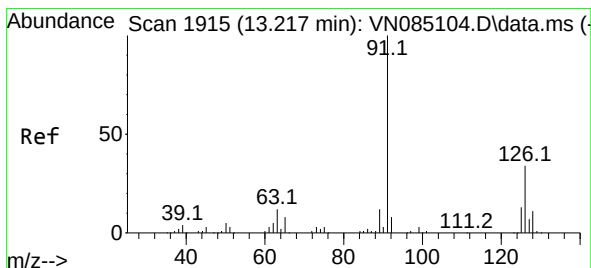
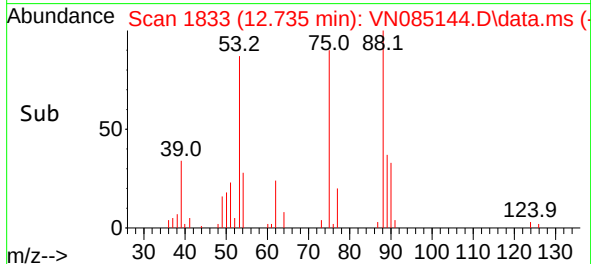
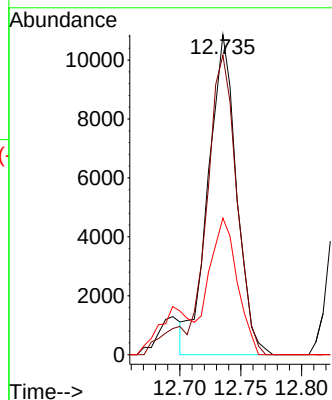
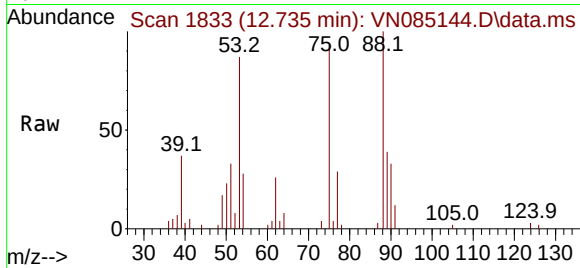




#81
trans-1,4-Dichloro-2-butene
Concen: 20.401 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

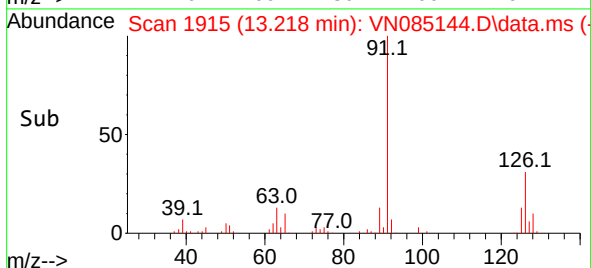
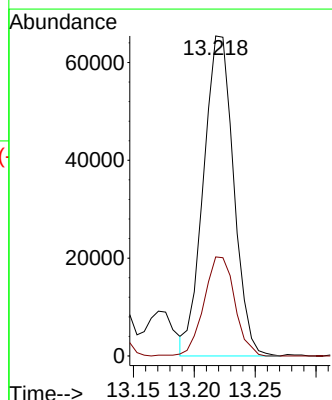
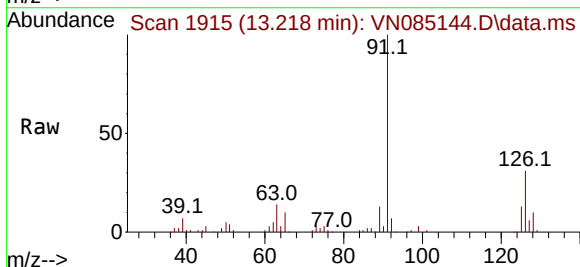
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

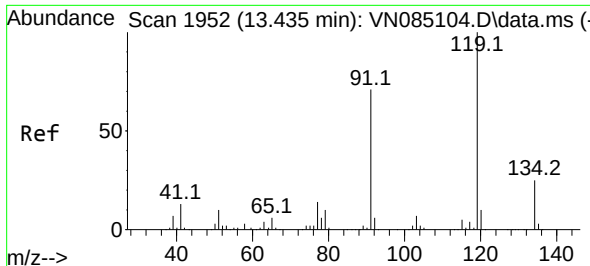
Tgt Ion:	75	Resp:	17583
Ion	Ratio	Lower	Upper
75	100		
53	104.1	78.2	117.4
89	42.2	37.9	56.9



#82
4-Chlorotoluene
Concen: 19.088 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:	91	Resp:	112899
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.1	48.3

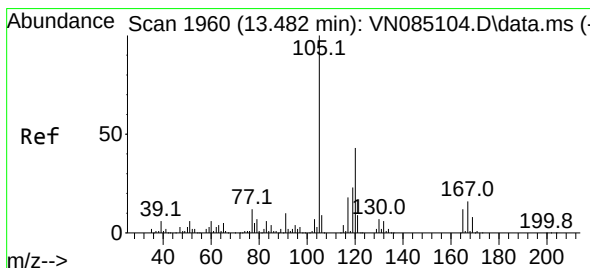
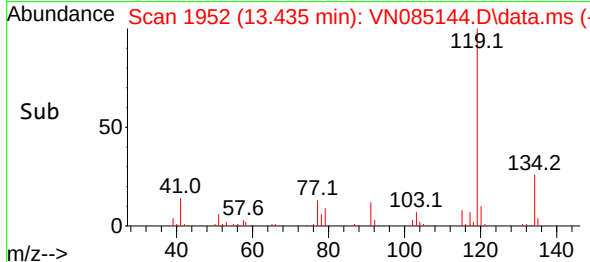
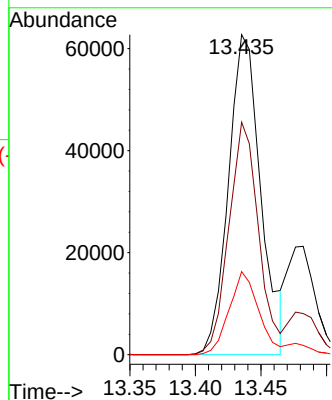
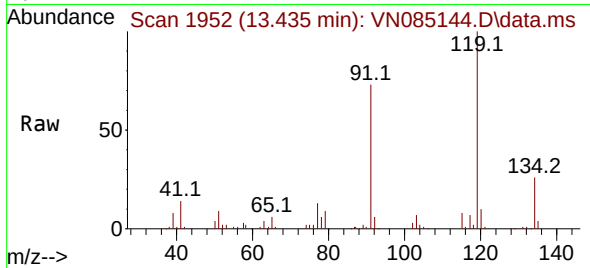




#83
tert-Butylbenzene
Concen: 20.191 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

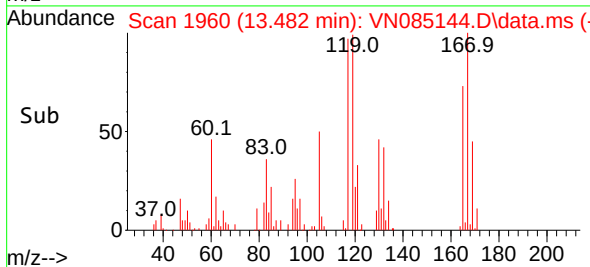
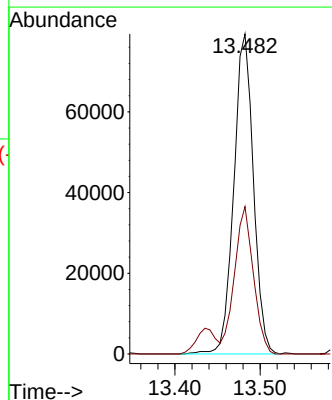
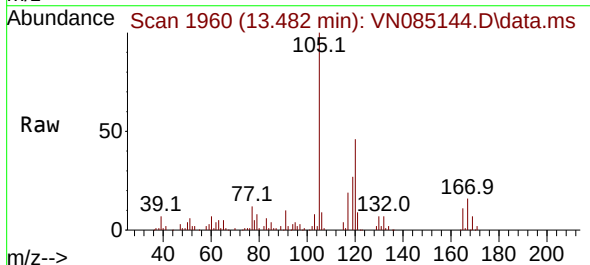
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

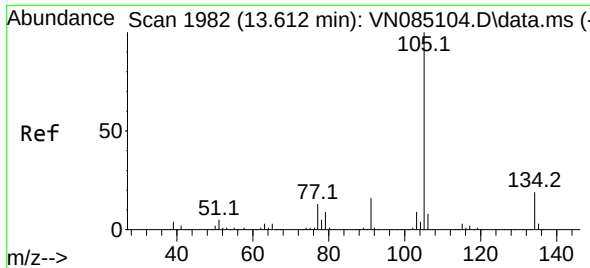
Tgt Ion:119 Resp: 107573
Ion Ratio Lower Upper
119 100
91 67.0 35.1 105.5
134 23.7 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 19.871 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:105 Resp: 126653
Ion Ratio Lower Upper
105 100
120 44.5 21.8 65.4

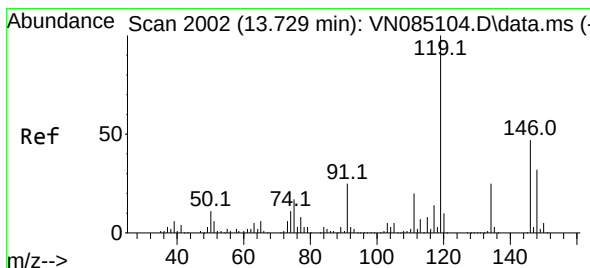
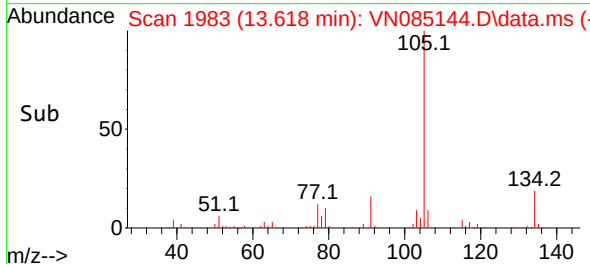
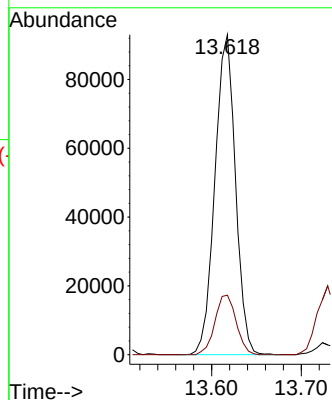
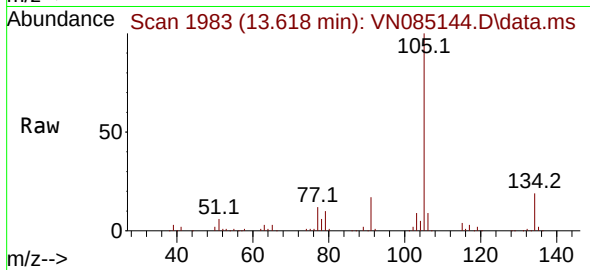




#85
sec-Butylbenzene
Concen: 20.537 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

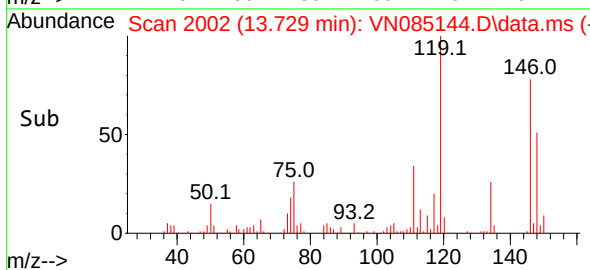
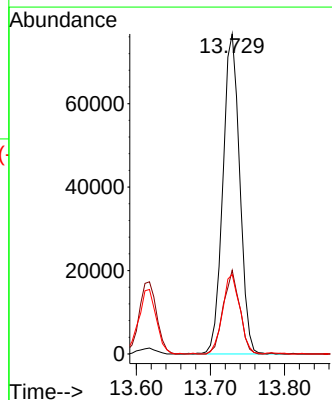
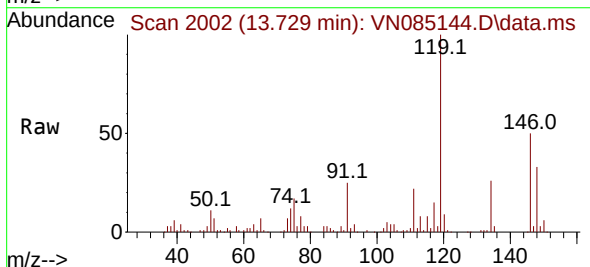
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

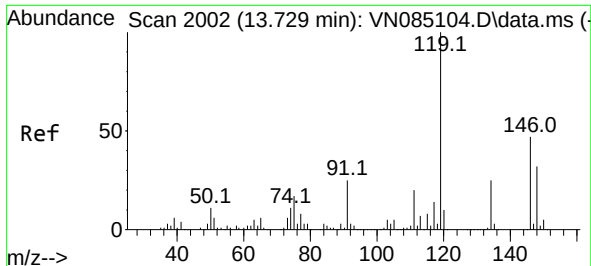
Tgt Ion:105 Resp: 147809
Ion Ratio Lower Upper
105 100
134 19.3 9.8 29.3



#86
p-Isopropyltoluene
Concen: 20.331 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:119 Resp: 120791
Ion Ratio Lower Upper
119 100
134 25.3 13.0 39.0
91 25.6 12.8 38.4

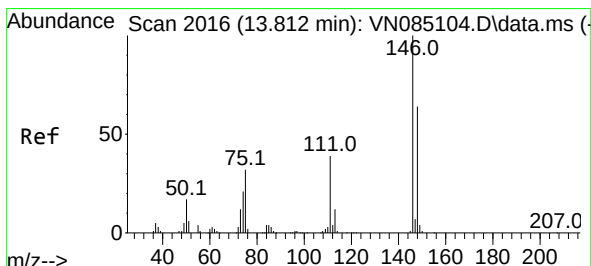
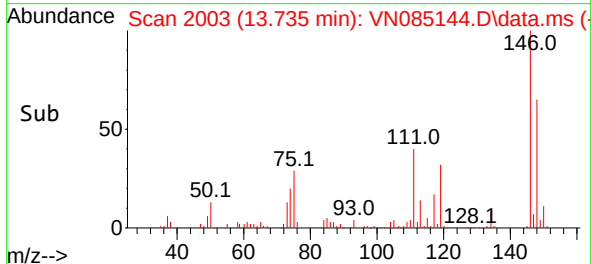
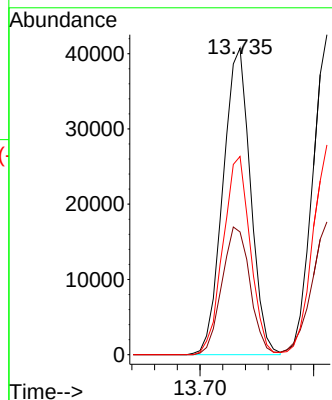
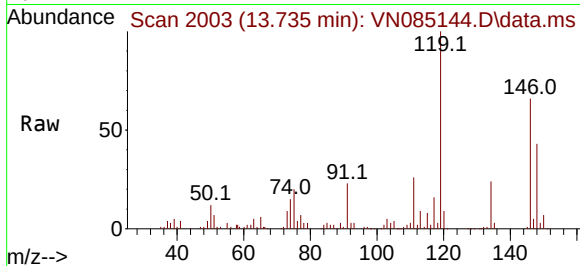




#87
1,3-Dichlorobenzene
Concen: 17.496 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

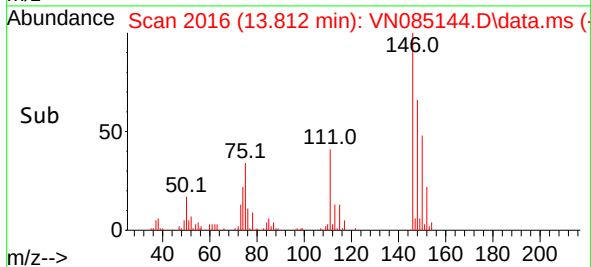
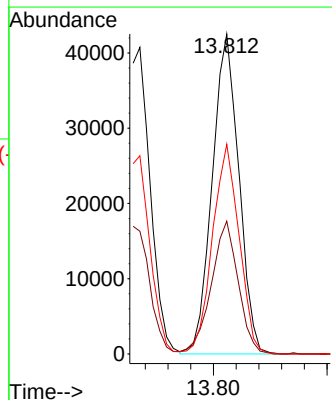
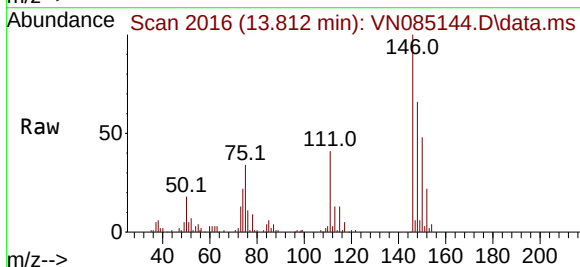
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

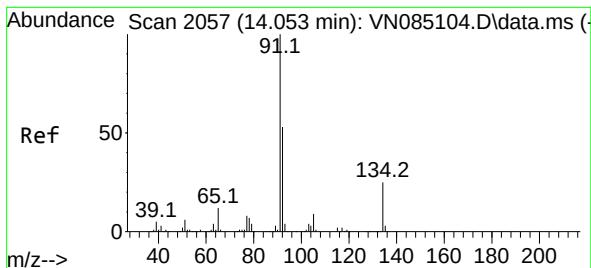
Tgt Ion:146 Resp: 68527
Ion Ratio Lower Upper
146 100
111 42.6 21.6 65.0
148 64.1 32.2 96.6



#88
1,4-Dichlorobenzene
Concen: 17.319 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:146 Resp: 69227
Ion Ratio Lower Upper
146 100
111 42.1 20.9 62.8
148 65.5 31.3 93.9





#89

n-Butylbenzene

Concen: 17.401 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

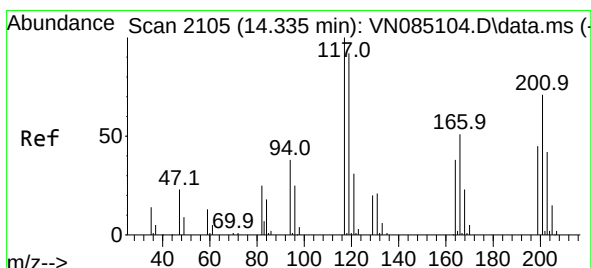
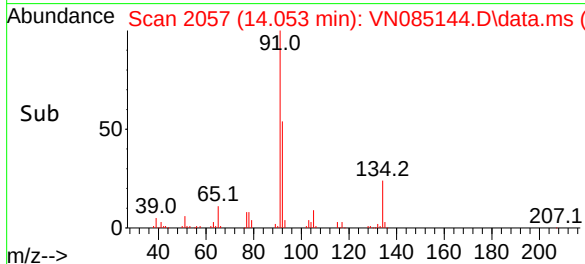
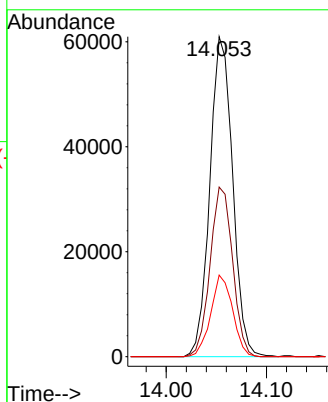
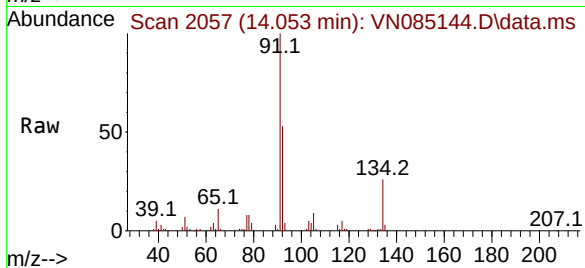
Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

Tgt Ion: 91	Resp: 96140
Ion Ratio	Lower Upper
91	100
92	52.5 26.8 80.3
134	24.6 12.8 38.4



#90

Hexachloroethane

Concen: 19.464 ug/l

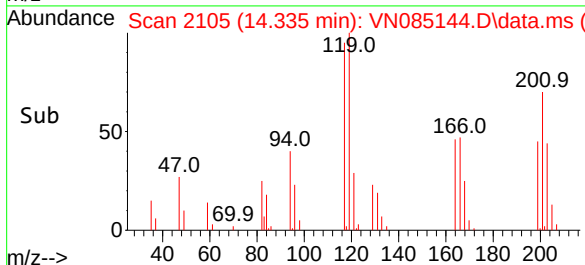
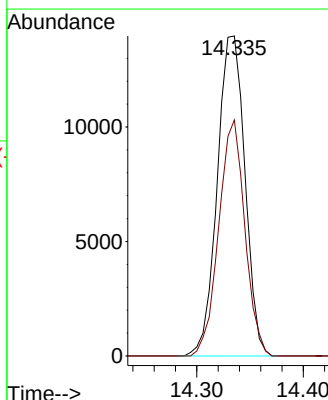
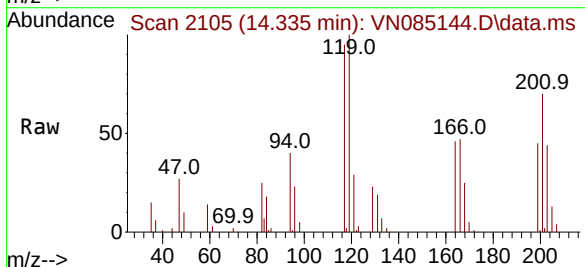
RT: 14.335 min Scan# 2105

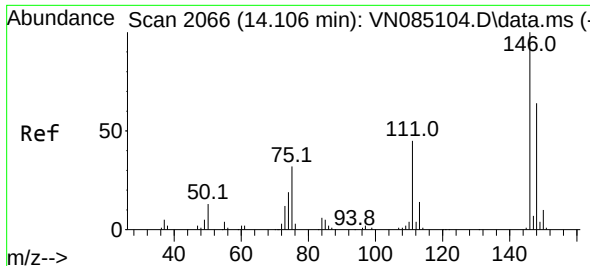
Delta R.T. 0.006 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Tgt Ion: 117	Resp: 25206
Ion Ratio	Lower Upper
117	100
201	69.6 35.2 105.6

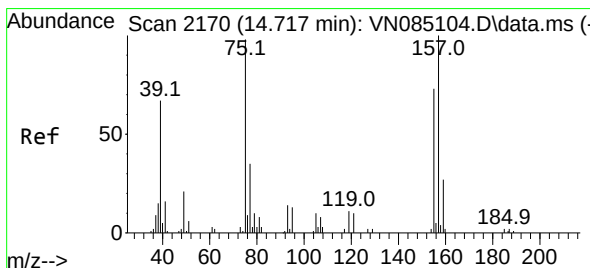
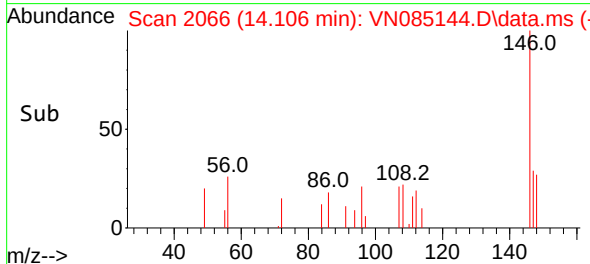
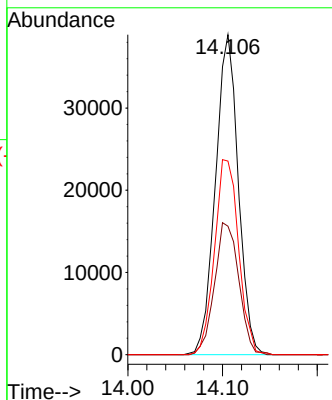
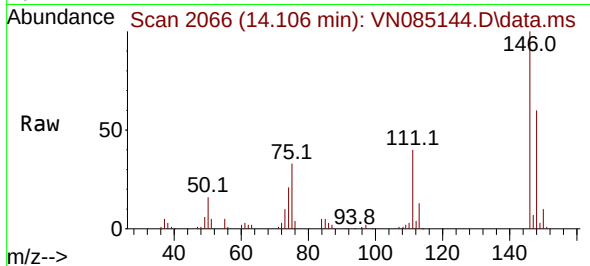




#91
1,2-Dichlorobenzene
Concen: 17.412 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

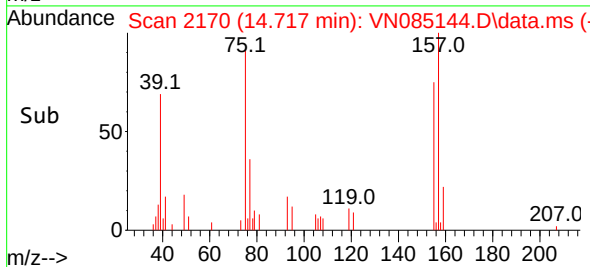
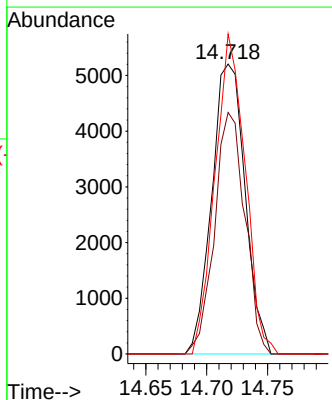
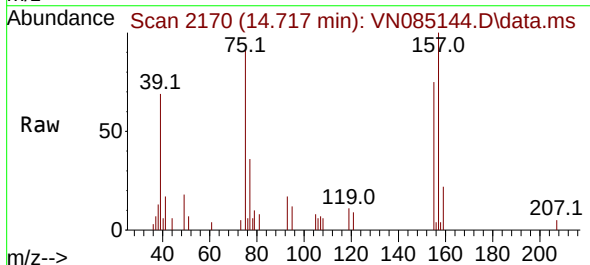
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

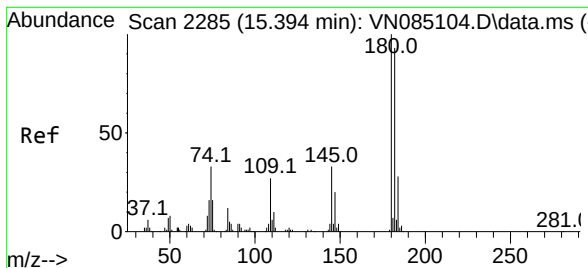
Tgt Ion:146 Resp: 65350
Ion Ratio Lower Upper
146 100
111 43.8 21.9 65.8
148 64.2 31.1 93.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.338 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion: 75 Resp: 9910
Ion Ratio Lower Upper
75 100
155 76.0 38.9 116.7
157 99.8 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 15.840 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBS01

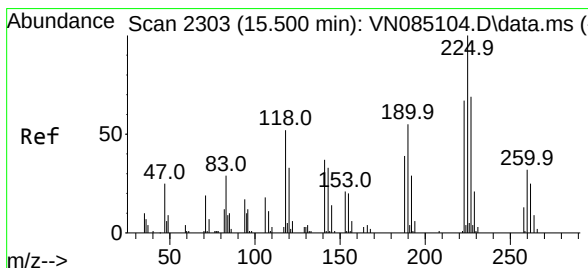
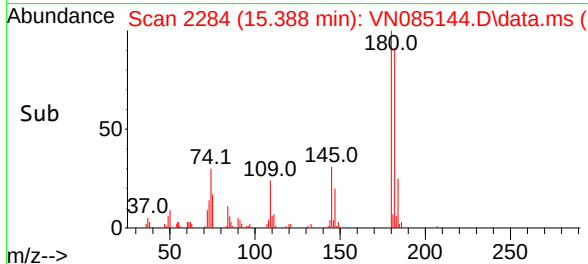
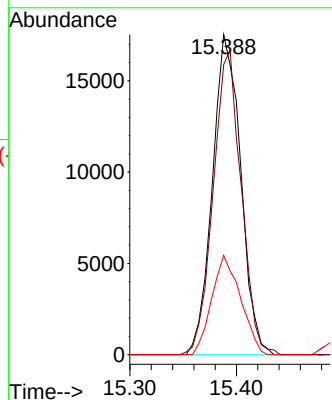
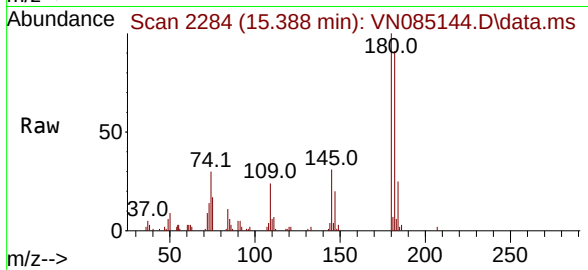
Tgt Ion:180 Resp: 32298

Ion Ratio Lower Upper

180 100

182 93.8 46.9 140.8

145 31.6 16.3 48.8



#94

Hexachlorobutadiene

Concen: 17.460 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085144.D

Acq: 09 Dec 2024 11:35

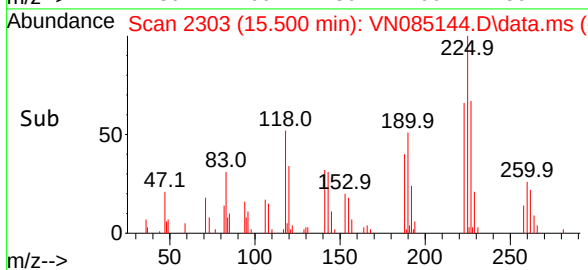
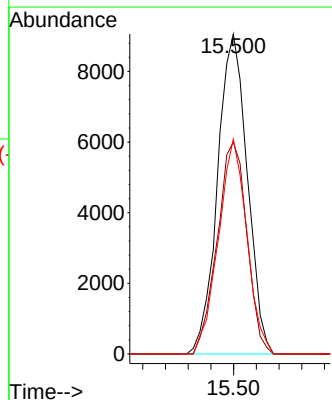
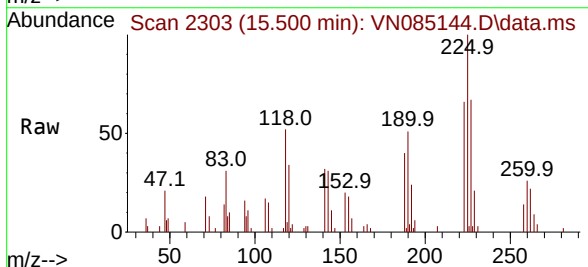
Tgt Ion:225 Resp: 16431

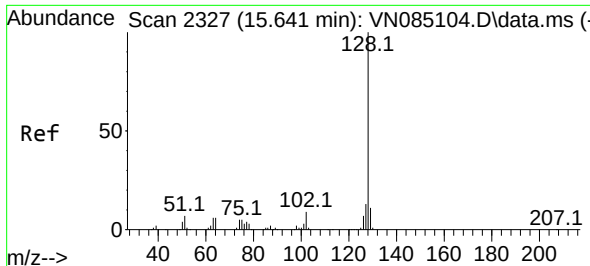
Ion Ratio Lower Upper

225 100

223 66.0 30.9 92.8

227 64.5 31.5 94.5

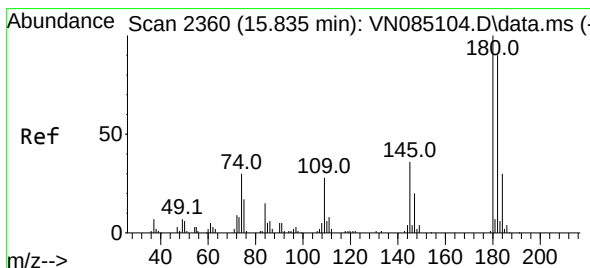
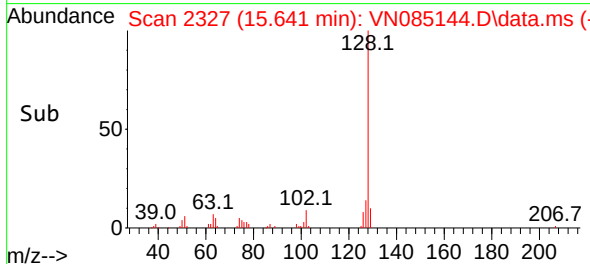
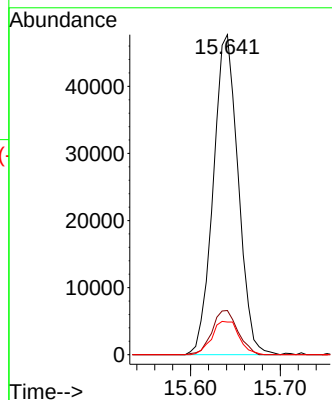
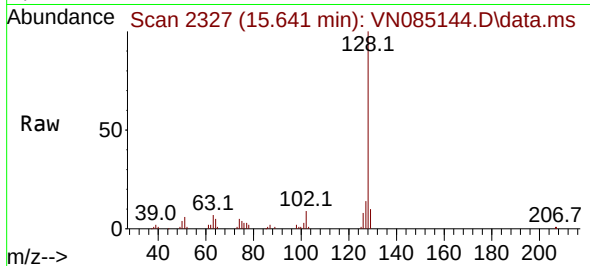




#95
Naphthalene
Concen: 15.840 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

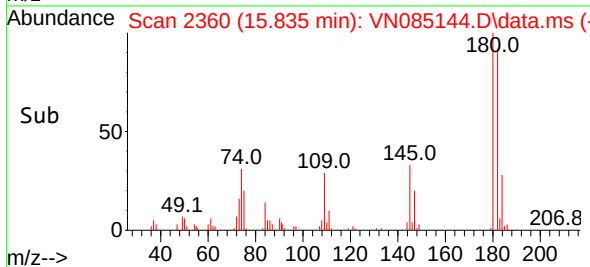
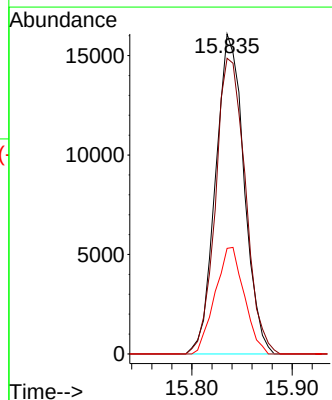
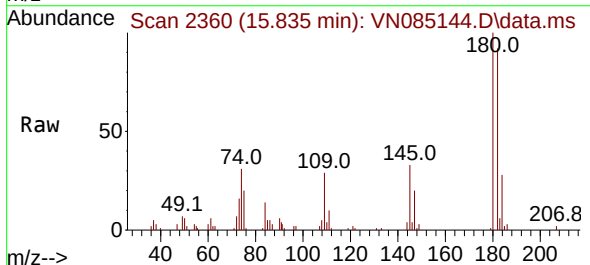
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBS01

Tgt Ion:	128	Resp:	91989
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.6	16.0
129	11.4	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.282 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085144.D
Acq: 09 Dec 2024 11:35

Tgt Ion:	180	Resp:	31678
Ion Ratio	Lower	Upper	
180	100		
182	96.7	46.4	139.2
145	34.1	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085145.D
 Acq On : 09 Dec 2024 12:09
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	142912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101401	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103903	51.041	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.080%	
35) Dibromofluoromethane	8.165	113	82760	53.889	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.780%	
50) Toluene-d8	10.565	98	280439	50.954	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.847	95	108911	52.915	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.820%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	25340	15.681	ug/l	100
3) Chloromethane	2.359	50	28131	15.009	ug/l	94
4) Vinyl Chloride	2.512	62	28111	16.690	ug/l	98
5) Bromomethane	2.954	94	21310	22.573	ug/l	89
6) Chloroethane	3.118	64	19554	17.224	ug/l	89
7) Trichlorofluoromethane	3.495	101	53885	18.806	ug/l	93
8) Diethyl Ether	3.959	74	18528	18.999	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	30675	18.876	ug/l	97
10) Methyl Iodide	4.589	142	34867	16.209	ug/l #	88
11) Tert butyl alcohol	5.524	59	32374	119.009	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	27589	18.188	ug/l	98
13) Acrolein	4.183	56	16533	91.082	ug/l	96
14) Allyl chloride	5.024	41	40399	15.799	ug/l	93
15) Acrylonitrile	5.712	53	83176	107.998	ug/l	99
16) Acetone	4.430	43	74370	125.441	ug/l	100
17) Carbon Disulfide	4.712	76	75855	16.942	ug/l	97
18) Methyl Acetate	5.024	43	41727	21.363	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	99012	19.978	ug/l	99
20) Methylene Chloride	5.271	84	32787	18.123	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	30746	19.261	ug/l	96
22) Diisopropyl ether	6.671	45	98604	19.159	ug/l	98
23) Vinyl Acetate	6.600	43	362666	102.144	ug/l	99
24) 1,1-Dichloroethane	6.565	63	57735	18.746	ug/l	97
25) 2-Butanone	7.483	43	112790	116.364	ug/l	99
26) 2,2-Dichloropropane	7.489	77	52876	18.386	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	37551	19.514	ug/l	96
28) Bromochloromethane	7.806	49	23969	20.617	ug/l #	14
29) Tetrahydrofuran	7.836	42	71330	118.337	ug/l	98
30) Chloroform	7.959	83	63927	19.513	ug/l	91
31) Cyclohexane	8.253	56	48755	17.980	ug/l #	92
32) 1,1,1-Trichloroethane	8.165	97	57246	19.337	ug/l	99
36) 1,1-Dichloropropene	8.371	75	40646	19.540	ug/l	99
37) Ethyl Acetate	7.559	43	42607	22.530	ug/l	98
38) Carbon Tetrachloride	8.359	117	50365	20.975	ug/l	98
39) Methylcyclohexane	9.600	83	39992	18.501	ug/l	91
40) Benzene	8.606	78	131898	20.048	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085145.D
 Acq On : 09 Dec 2024 12:09
 Operator : JC\MD
 Sample : VN1209WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	24485	23.385	ug/l	97
42) 1,2-Dichloroethane	8.671	62	46478	20.649	ug/l	98
43) Isopropyl Acetate	8.688	43	72452	18.444	ug/l	97
44) Trichloroethene	9.347	130	32181	21.047	ug/l	91
45) 1,2-Dichloropropane	9.618	63	33025	20.380	ug/l	94
46) Dibromomethane	9.706	93	24259	21.544	ug/l	96
47) Bromodichloromethane	9.888	83	51571	21.610	ug/l	98
48) Methyl methacrylate	9.683	41	32820	22.453	ug/l	97
49) 1,4-Dioxane	9.694	88	14074	555.200	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	229577	127.955	ug/l	99
52) Toluene	10.630	92	81847	21.014	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	50056	20.921	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	52486	20.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	33335	22.978	ug/l	98
56) Ethyl methacrylate	10.871	69	48238	22.755	ug/l	98
57) 1,3-Dichloropropane	11.165	76	55071	21.568	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	111311	107.042	ug/l	100
59) 2-Hexanone	11.194	43	172584	128.613	ug/l	97
60) Dibromochloromethane	11.359	129	40774	22.997	ug/l	98
61) 1,2-Dibromoethane	11.471	107	33251	22.146	ug/l	100
64) Tetrachloroethene	11.100	164	28313	20.683	ug/l	93
65) Chlorobenzene	11.894	112	90827	19.714	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	33935	20.920	ug/l	98
67) Ethyl Benzene	11.965	91	147522	19.736	ug/l	100
68) m/p-Xylenes	12.071	106	116268	40.857	ug/l	99
69) o-Xylene	12.394	106	53545	19.780	ug/l	96
70) Styrene	12.412	104	97192	21.590	ug/l	97
71) Bromoform	12.576	173	28670	23.810	ug/l #	100
73) Isopropylbenzene	12.694	105	140110	19.586	ug/l	100
74) N-amyl acetate	12.494	43	61760	20.951	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48806	19.980	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	63041	34.180	ug/l	42
77) Bromobenzene	12.976	156	37253	19.352	ug/l	98
78) n-propylbenzene	13.035	91	169221	20.509	ug/l	100
79) 2-Chlorotoluene	13.123	91	107288	19.479	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	124423	20.728	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18695	22.376	ug/l	91
82) 4-Chlorotoluene	13.218	91	108808	18.977	ug/l	99
83) tert-Butylbenzene	13.435	119	102778	19.900	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	123353	19.964	ug/l	98
85) sec-Butylbenzene	13.618	105	139963	20.061	ug/l	98
86) p-Isopropyltoluene	13.729	119	115995	20.140	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	68149	17.948	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	68126	17.582	ug/l	98
89) n-Butylbenzene	14.053	91	95516	17.833	ug/l	96
90) Hexachloroethane	14.335	117	23660	18.846	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	64932	17.846	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9668	20.468	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	31255	15.812	ug/l	98
94) Hexachlorobutadiene	15.506	225	16202	17.760	ug/l	97
95) Naphthalene	15.641	128	98185	17.440	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	31563	16.735	ug/l	99

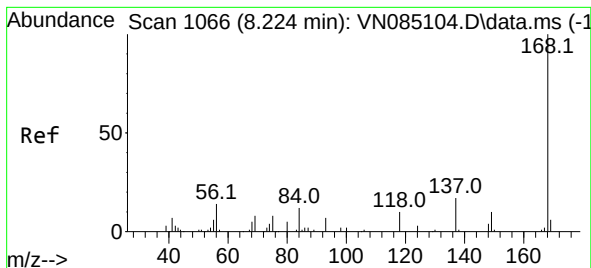
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
Data File : VN085145.D
Acq On : 09 Dec 2024 12:09
Operator : JC\MD
Sample : VN1209WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Quant Time: Dec 10 04:58:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

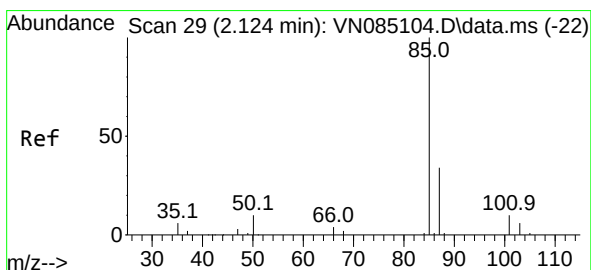
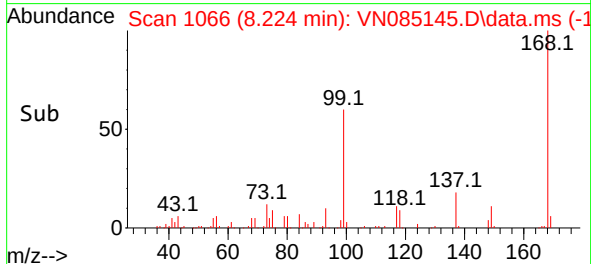
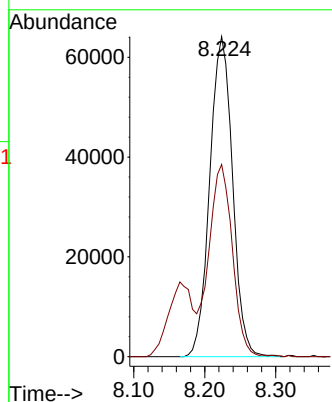
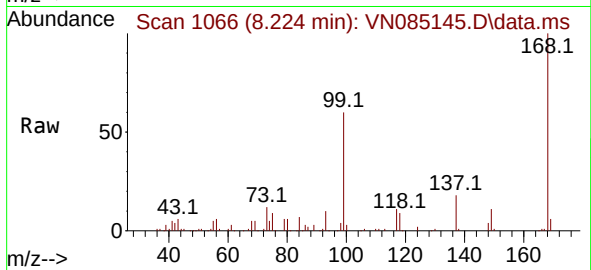
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

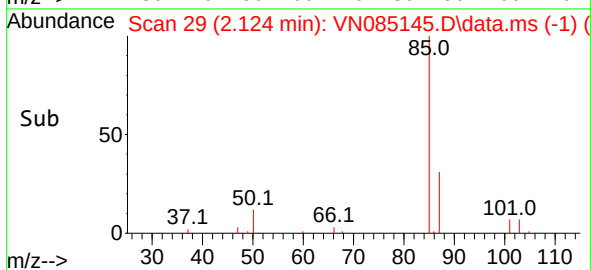
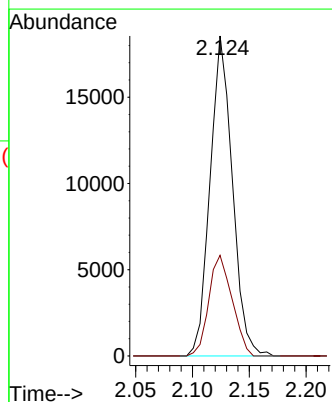
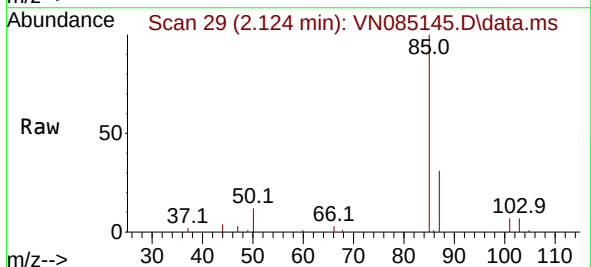
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

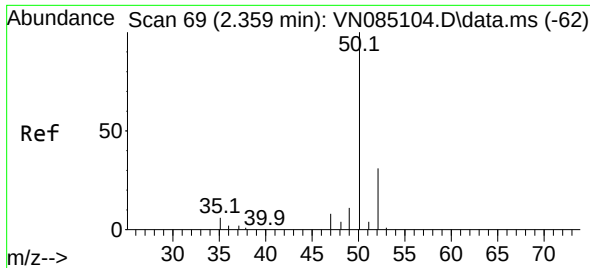
Tgt Ion:168 Resp: 142912
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 15.681 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 85 Resp: 25340
Ion Ratio Lower Upper
85 100
87 31.5 15.7 47.1

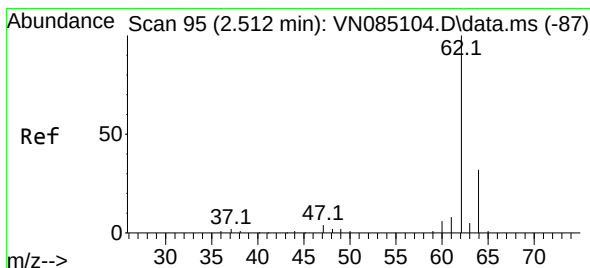
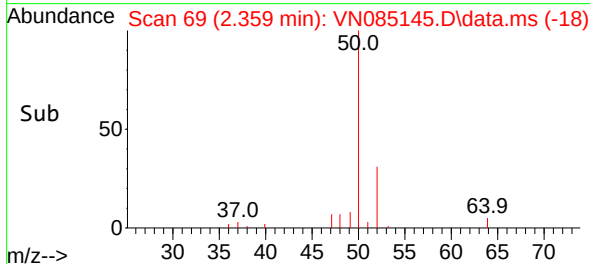
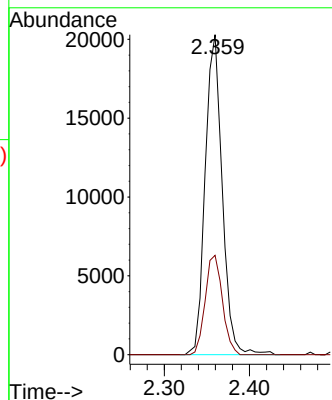
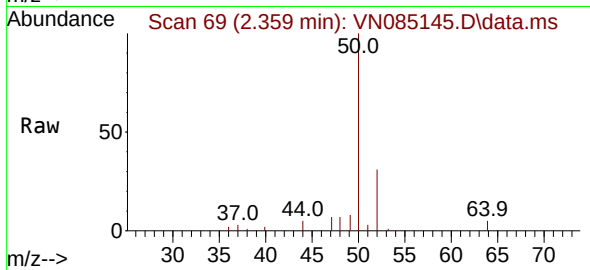




#3
Chloromethane
Concen: 15.009 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

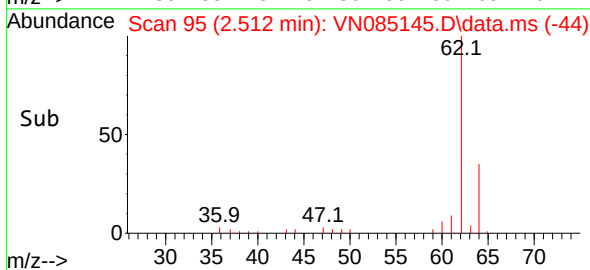
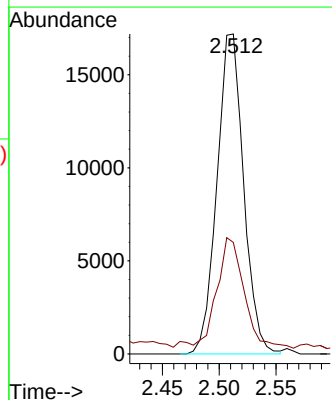
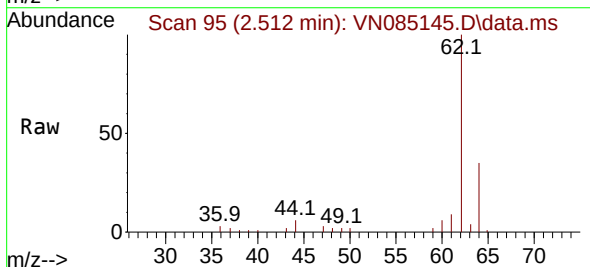
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

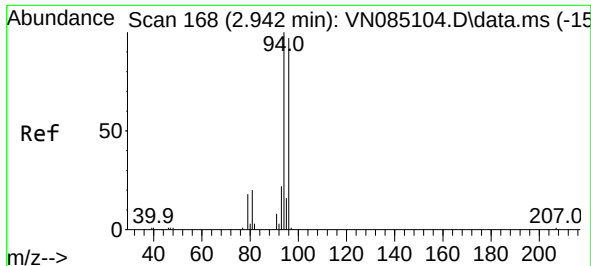
Tgt Ion: 50 Resp: 28131
Ion Ratio Lower Upper
50 100
52 31.1 27.8 41.8



#4
Vinyl Chloride
Concen: 16.690 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 62 Resp: 28111
Ion Ratio Lower Upper
62 100
64 31.9 24.6 36.8

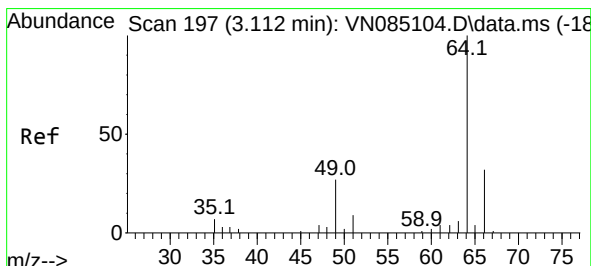
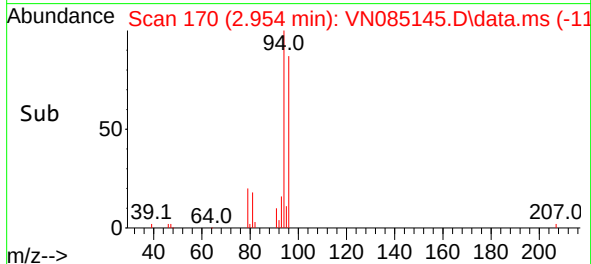
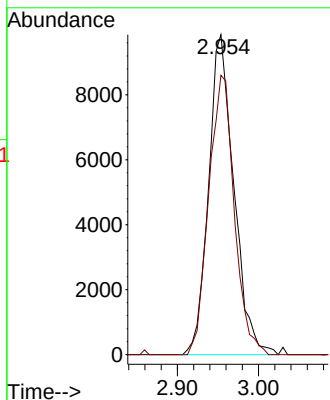
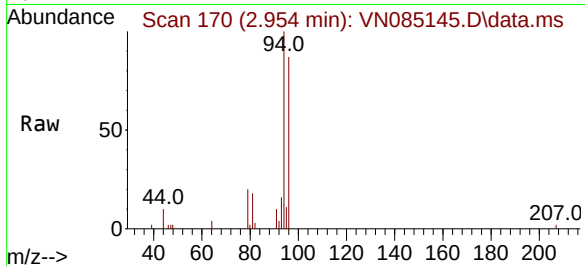




#5
Bromomethane
Concen: 22.573 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

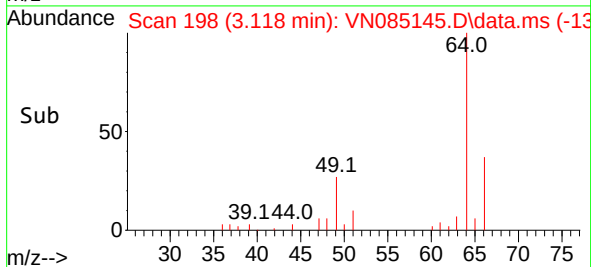
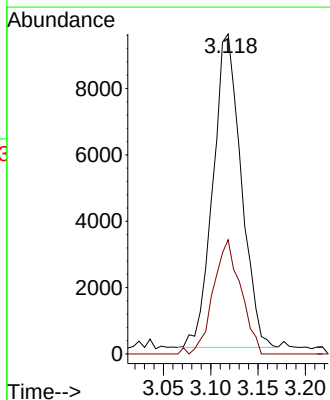
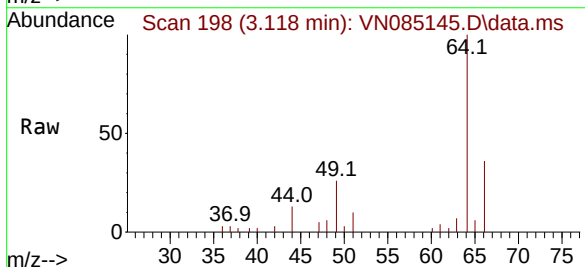
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

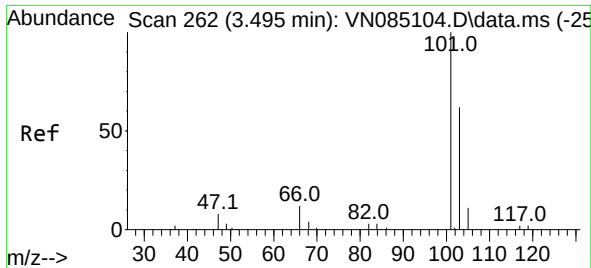
Tgt Ion: 94 Resp: 21310
Ion Ratio Lower Upper
94 100
96 87.3 78.7 118.1



#6
Chloroethane
Concen: 17.224 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.053 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 64 Resp: 19554
Ion Ratio Lower Upper
64 100
66 36.5 24.4 36.6

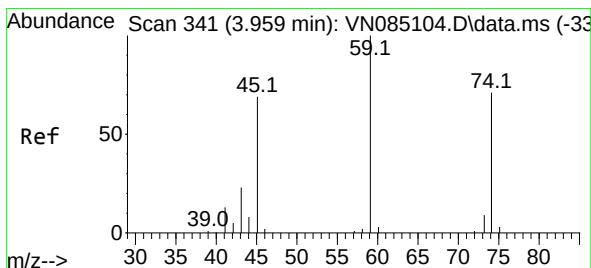
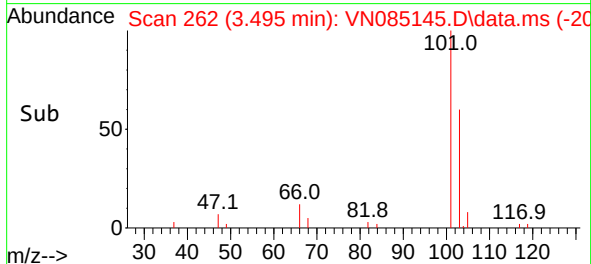
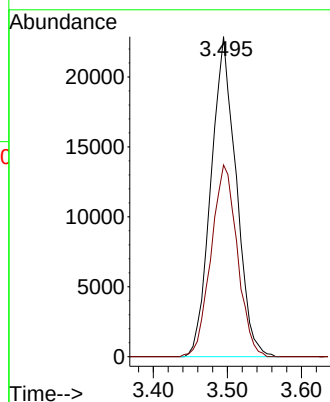
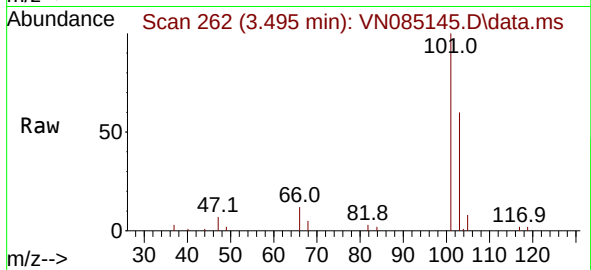




#7
 Trichlorofluoromethane
 Concen: 18.806 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. 0.035 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

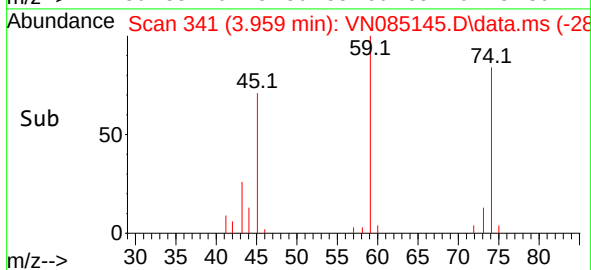
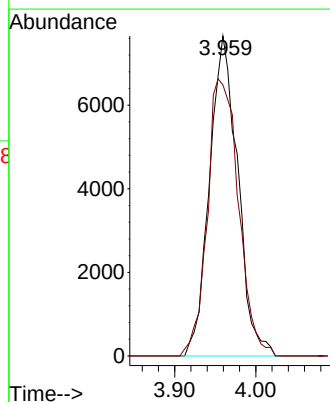
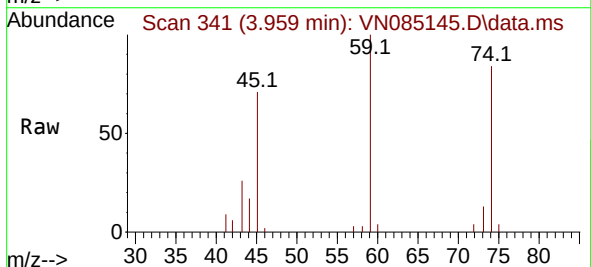
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

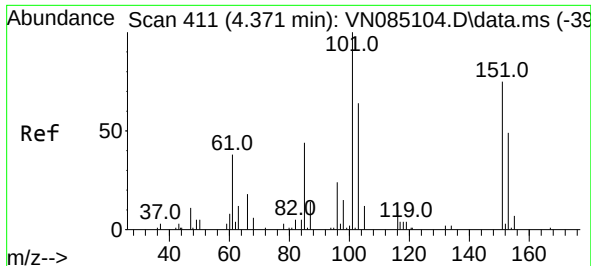
Tgt Ion:101 Resp: 53885
 Ion Ratio Lower Upper
 101 100
 103 59.9 52.6 78.8



#8
 Diethyl Ether
 Concen: 18.999 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.012 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

Tgt Ion: 74 Resp: 18528
 Ion Ratio Lower Upper
 74 100
 45 95.3 46.7 140.1

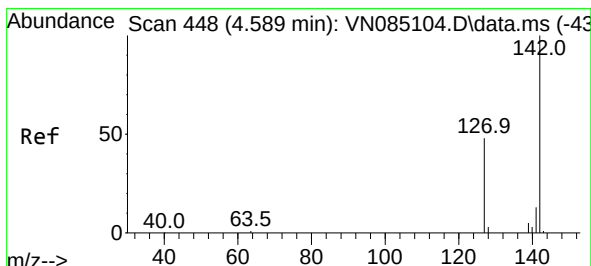
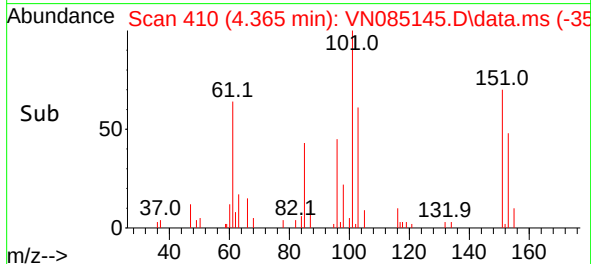
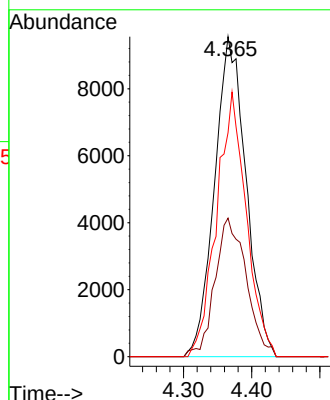
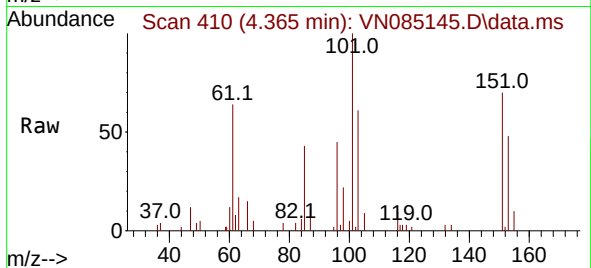




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.876 ug/l
RT: 4.365 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

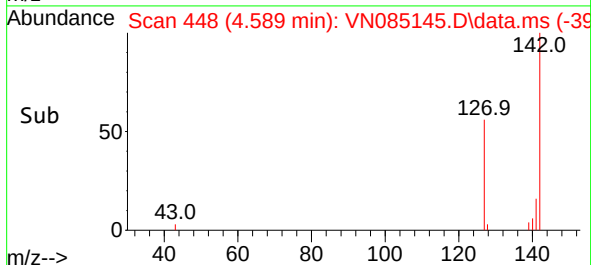
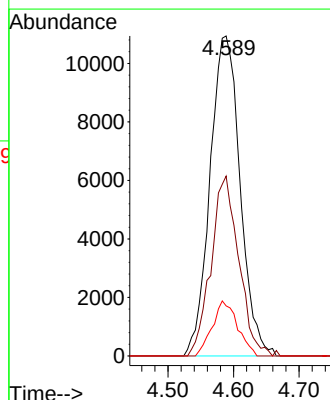
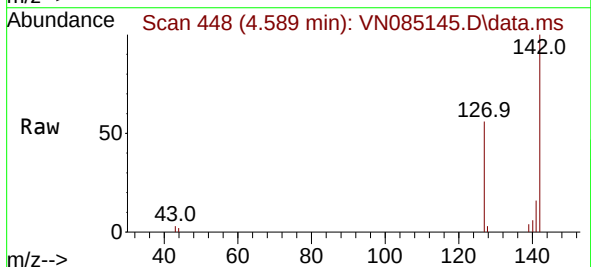
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

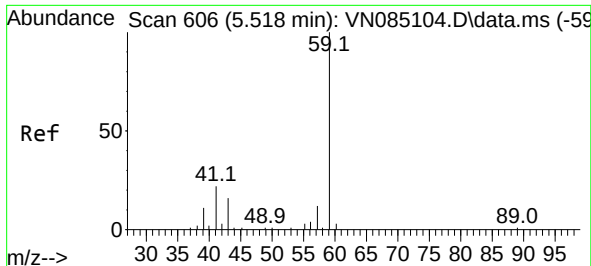
Tgt Ion:101 Resp: 30675
Ion Ratio Lower Upper
101 100
85 43.2 36.9 55.3
151 78.1 60.8 91.2



#10
Methyl Iodide
Concen: 16.209 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:142 Resp: 34867
Ion Ratio Lower Upper
142 100
127 56.2 36.6 54.8#
141 15.7 12.2 18.4

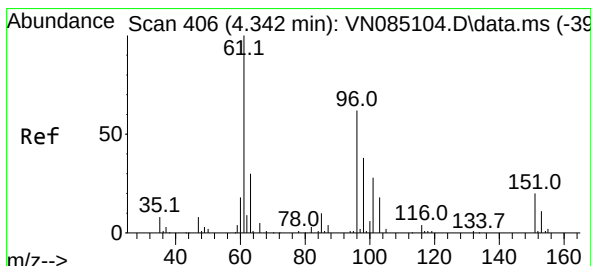
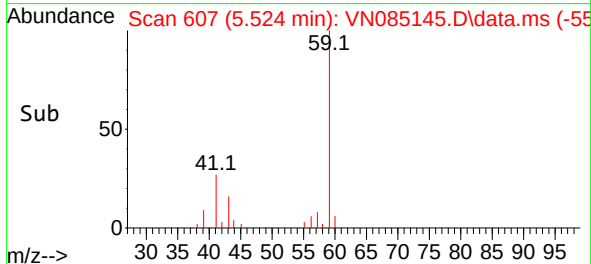
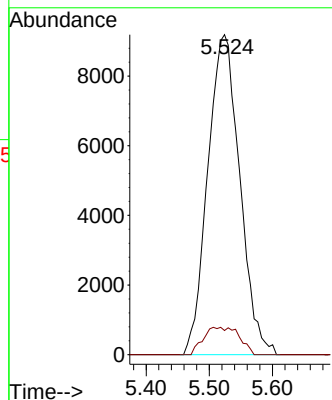
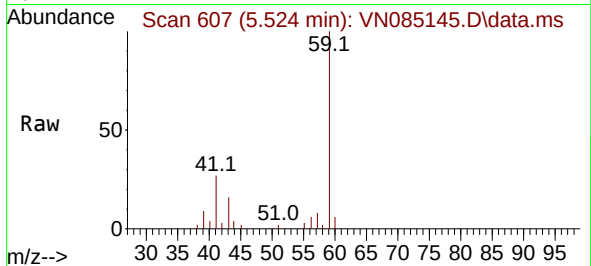




#11
Tert butyl alcohol
Concen: 119.009 ug/l
RT: 5.524 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

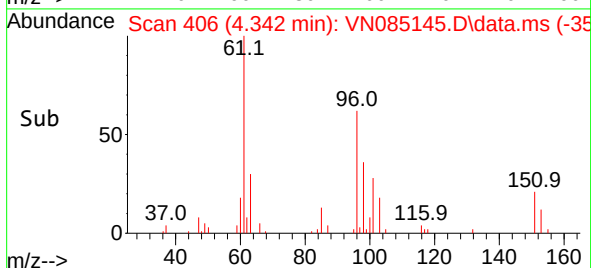
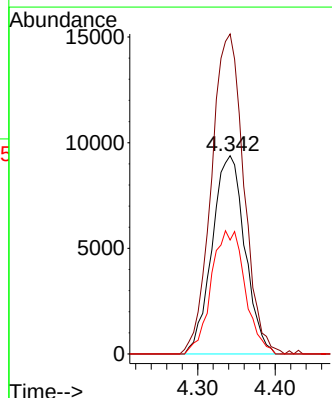
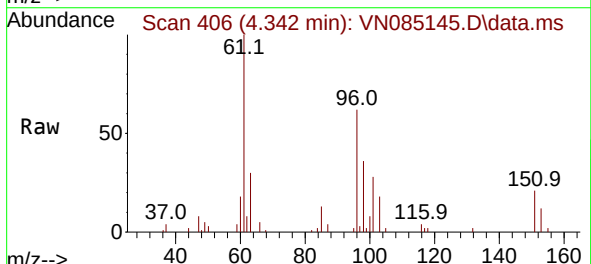
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

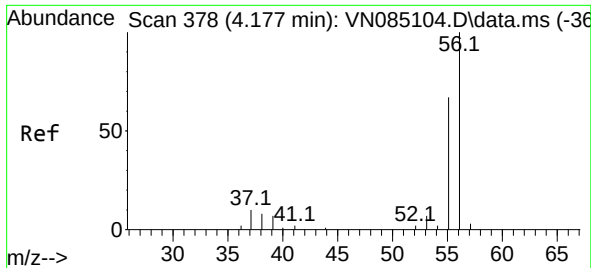
Tgt Ion: 59 Resp: 32374
Ion Ratio Lower Upper
59 100
57 5.7 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 18.188 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.024 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 96 Resp: 27589
Ion Ratio Lower Upper
96 100
61 161.5 127.8 191.8
98 57.5 49.2 73.8

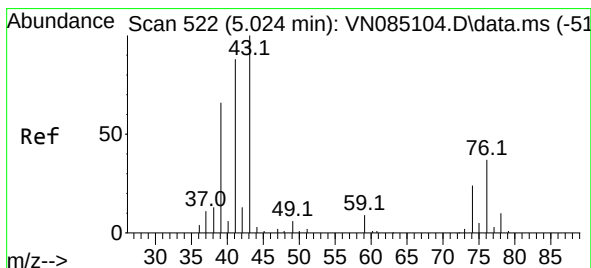
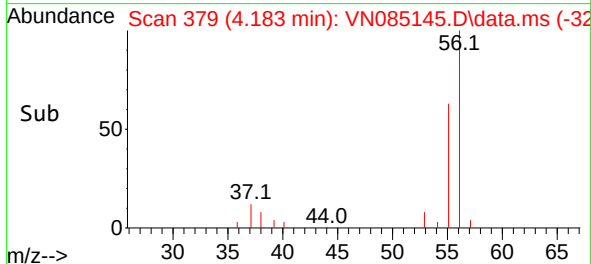
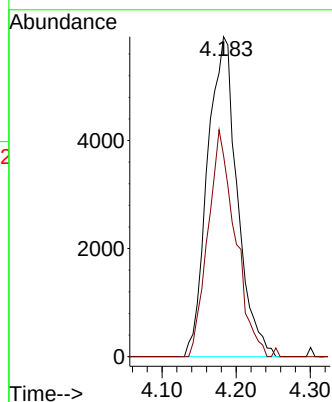
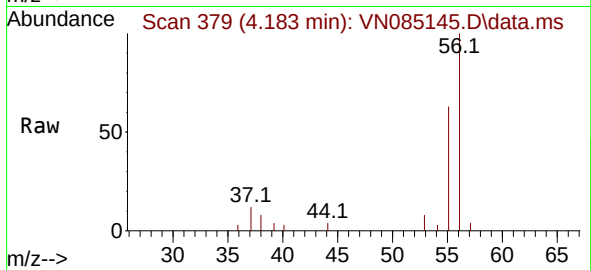




#13
Acrolein
Concen: 91.082 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

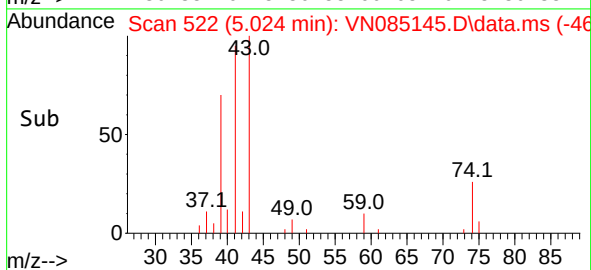
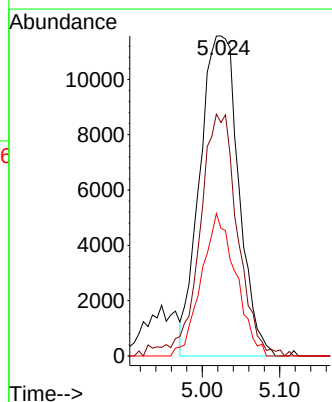
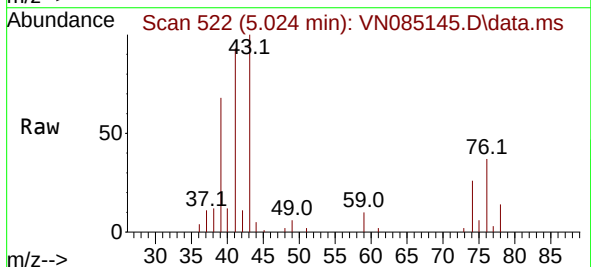
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

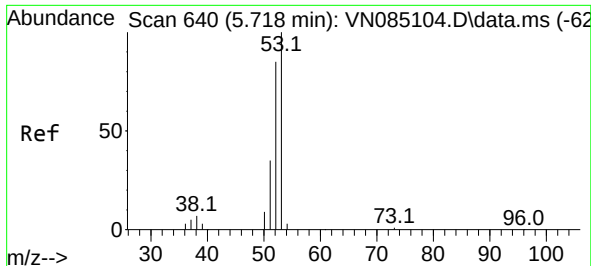
Tgt Ion: 56 Resp: 16533
Ion Ratio Lower Upper
56 100
55 65.0 54.5 81.7



#14
Allyl chloride
Concen: 15.799 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 40399
Ion Ratio Lower Upper
41 100
39 73.9 53.8 80.8
76 39.4 29.3 43.9

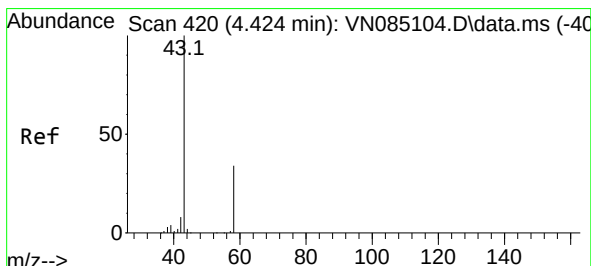
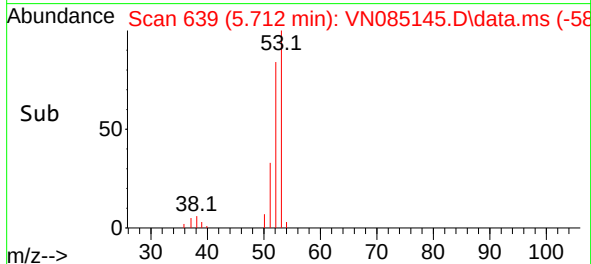
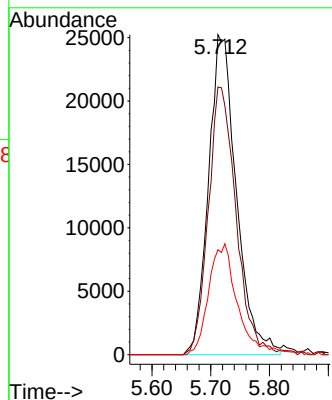
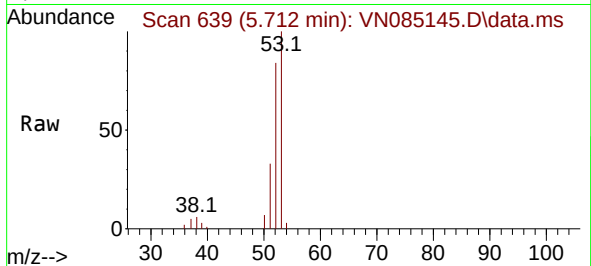




#15
Acrylonitrile
Concen: 107.998 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

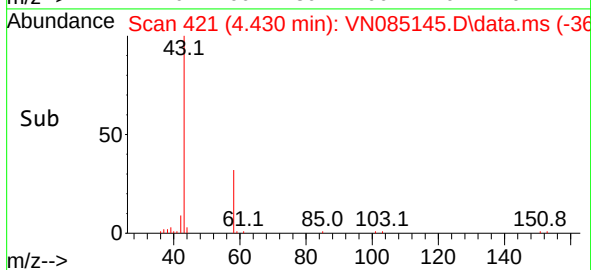
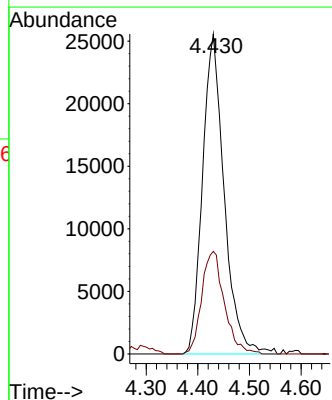
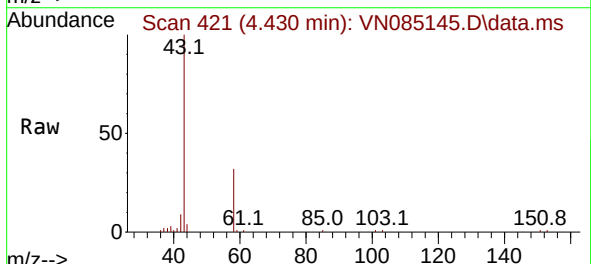
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

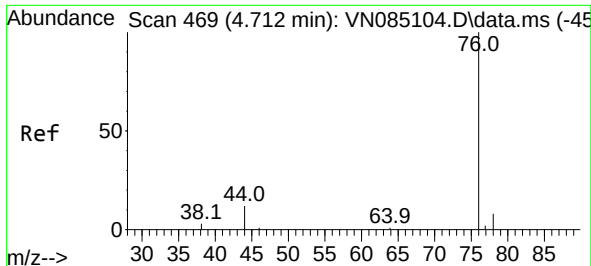
Tgt Ion: 53 Resp: 83176
Ion Ratio Lower Upper
53 100
52 82.8 65.5 98.3
51 36.1 28.4 42.6



#16
Acetone
Concen: 125.441 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 74370
Ion Ratio Lower Upper
43 100
58 32.1 25.4 38.2

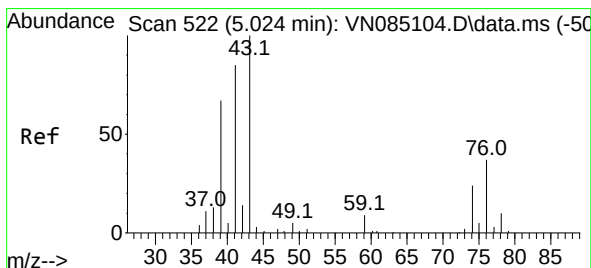
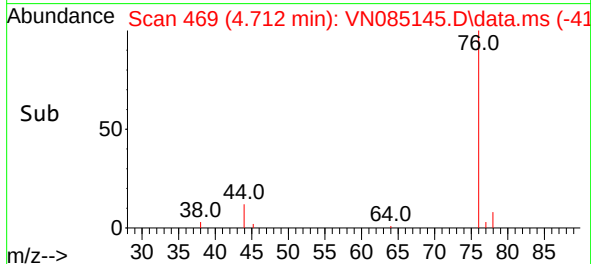
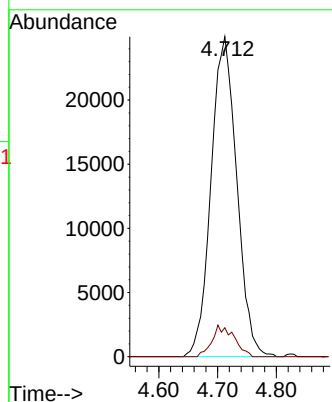
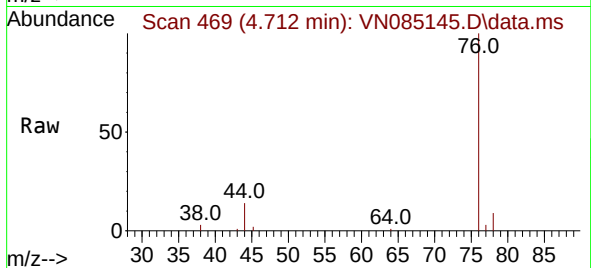




#17
Carbon Disulfide
Concen: 16.942 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

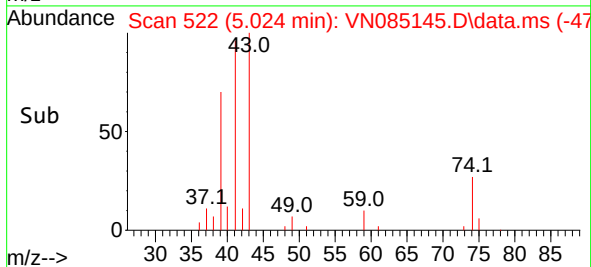
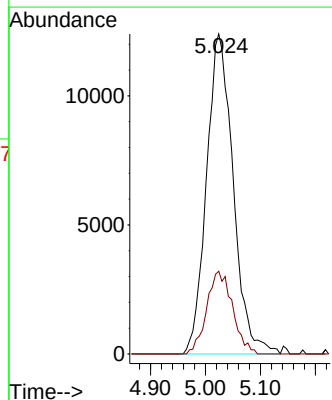
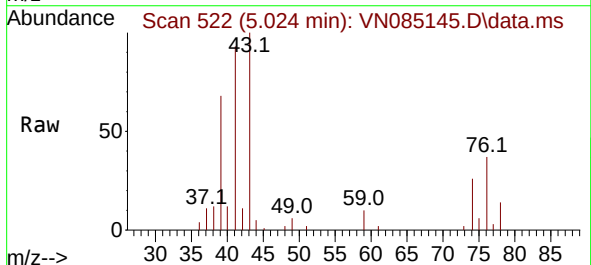
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

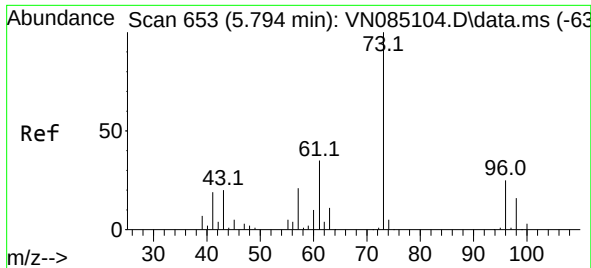
Tgt Ion: 76 Resp: 75855
Ion Ratio Lower Upper
76 100
78 9.1 6.5 9.7



#18
Methyl Acetate
Concen: 21.363 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 41727
Ion Ratio Lower Upper
43 100
74 25.0 20.1 30.1

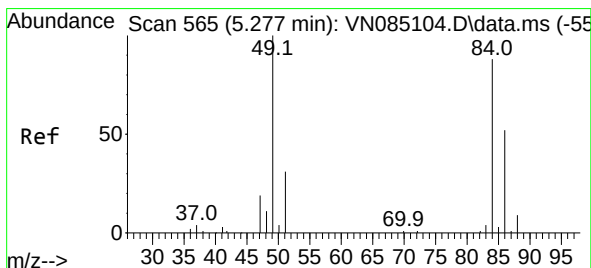
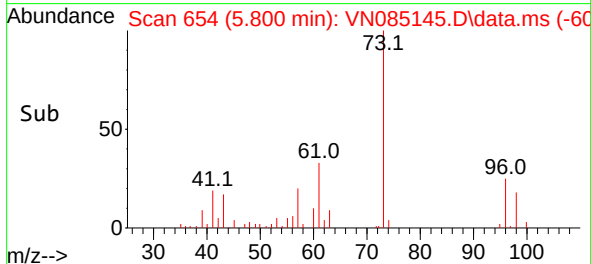
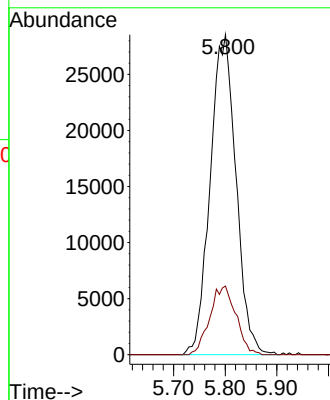
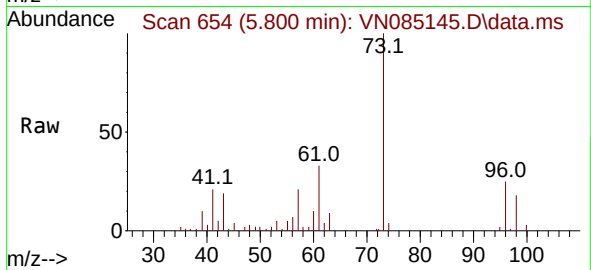




#19
Methyl tert-butyl Ether
Concen: 19.978 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

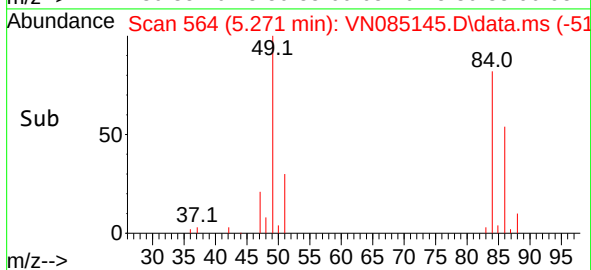
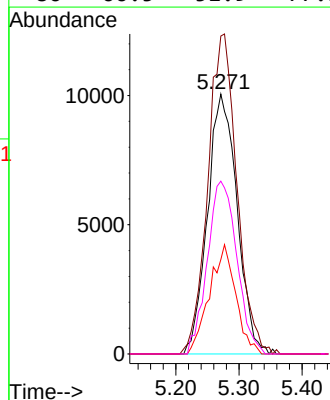
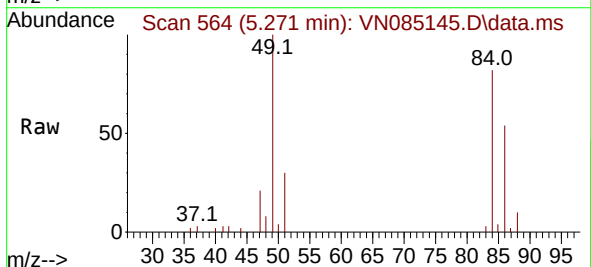
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

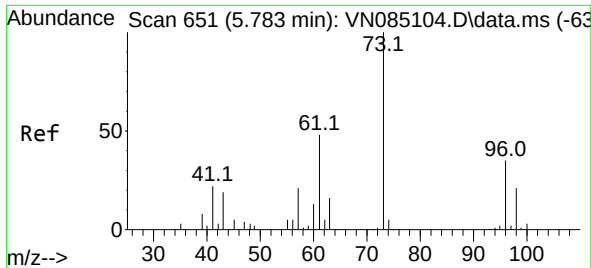
Tgt Ion: 73 Resp: 99012
Ion Ratio Lower Upper
73 100
57 21.5 17.0 25.4



#20
Methylene Chloride
Concen: 18.123 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 84 Resp: 32787
Ion Ratio Lower Upper
84 100
49 122.3 92.7 139.1
51 36.3 29.4 44.2
86 66.5 51.9 77.9

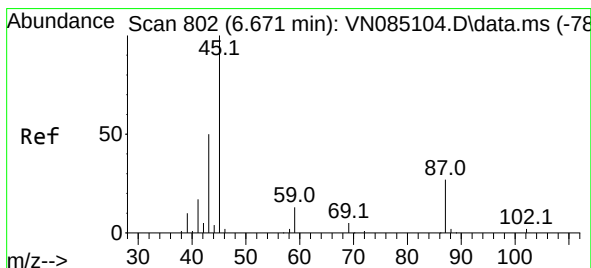
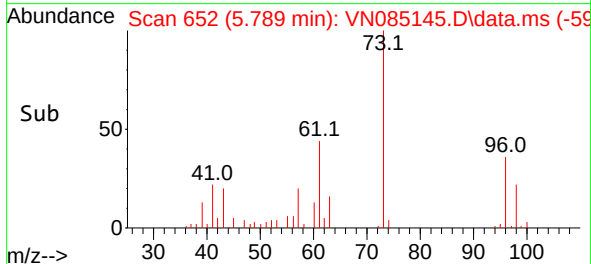
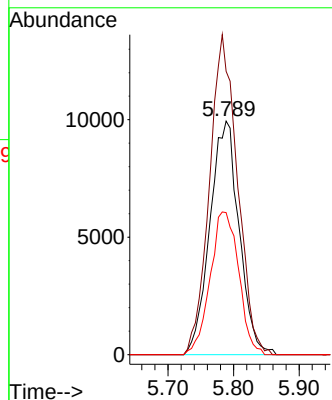
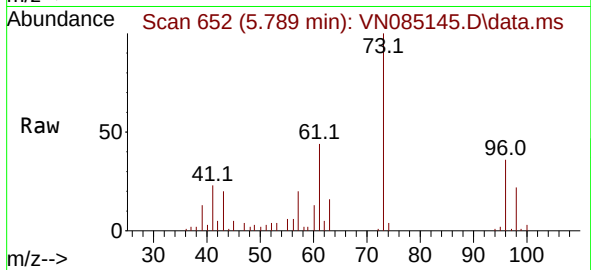




#21
trans-1,2-Dichloroethene
Concen: 19.261 ug/l
RT: 5.789 min Scan# 611
Delta R.T. 0.018 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

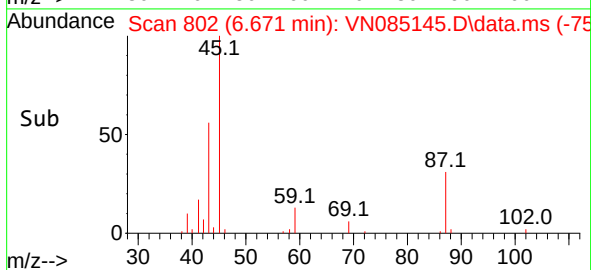
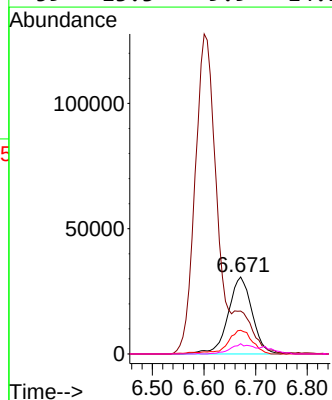
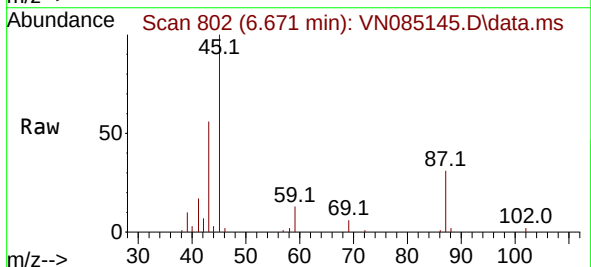
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

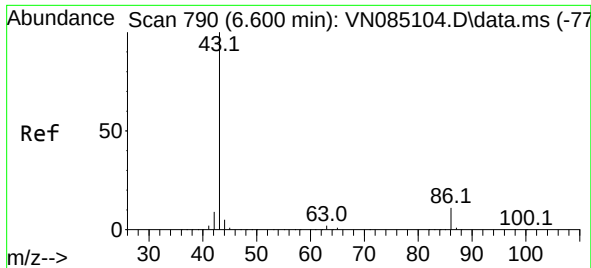
Tgt Ion: 96 Resp: 30746
Ion Ratio Lower Upper
96 100
61 121.3 100.7 151.1
98 60.8 45.8 68.6



#22
Diisopropyl ether
Concen: 19.159 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 45 Resp: 98604
Ion Ratio Lower Upper
45 100
43 54.1 42.7 64.1
87 30.9 22.6 34.0
59 13.3 9.9 14.9

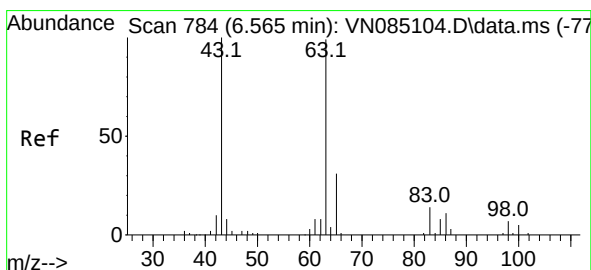
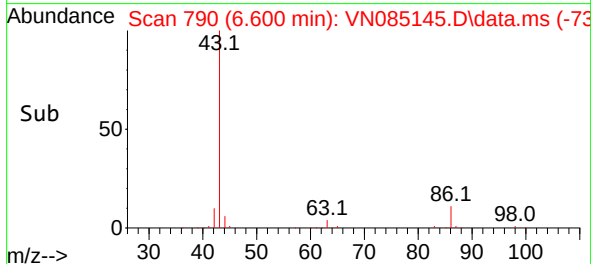
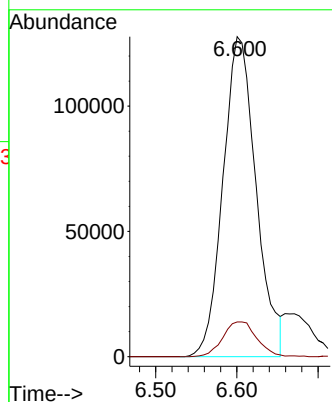
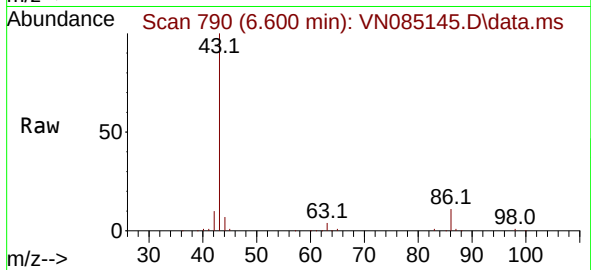




#23
 Vinyl Acetate
 Concen: 102.144 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

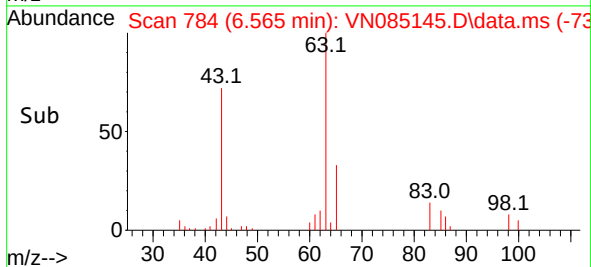
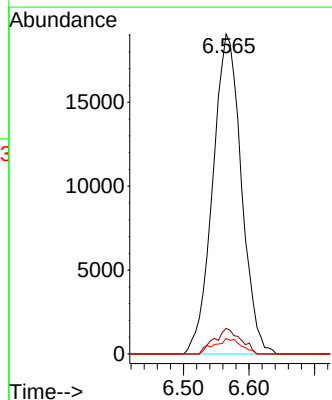
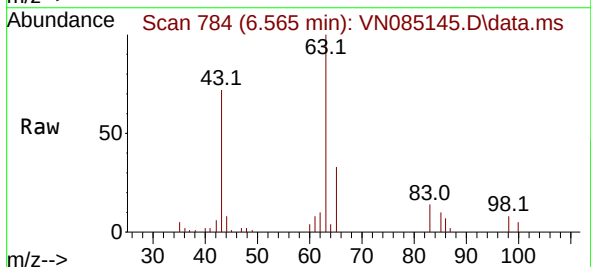
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

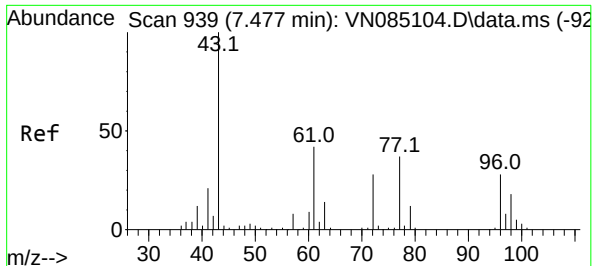
Tgt Ion: 43 Resp: 362666
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.746 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.012 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 57735
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.3 9.8
 100 4.8 2.2 6.6

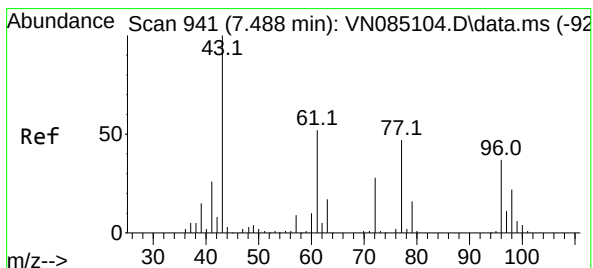
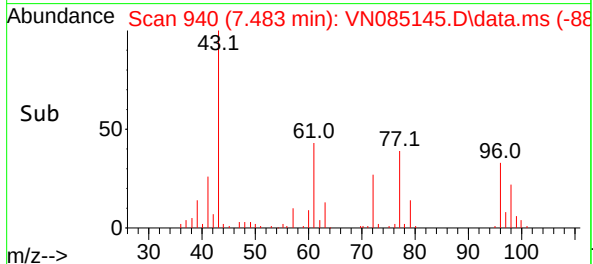
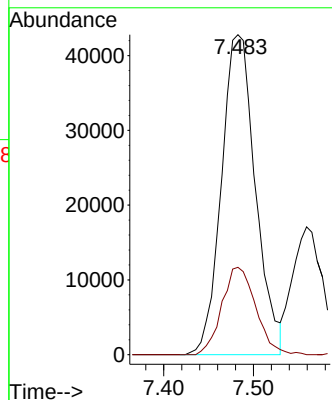
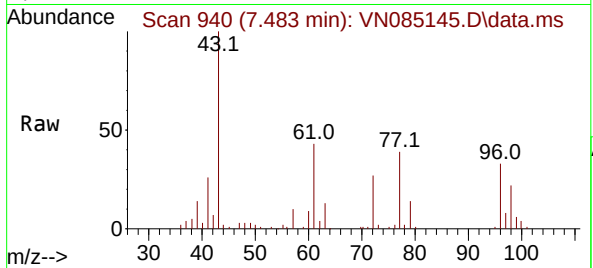




#25
2-Butanone
Concen: 116.364 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

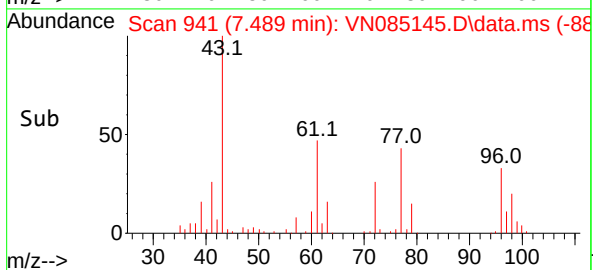
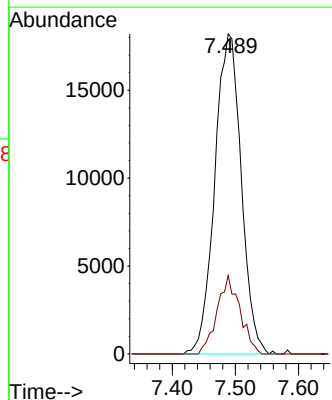
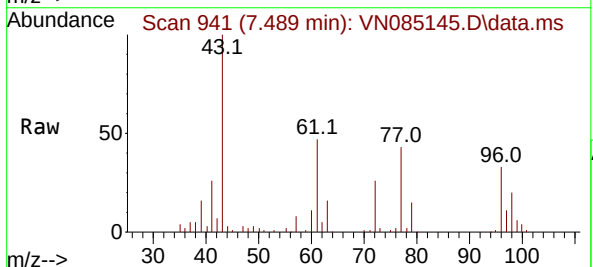
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

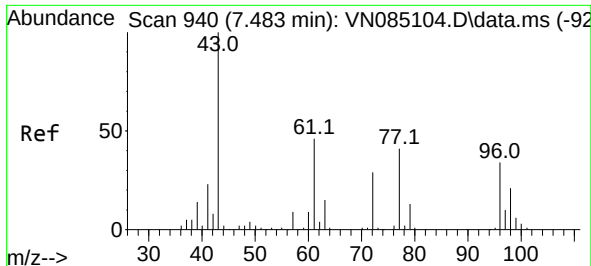
Tgt Ion: 43 Resp: 112790
Ion Ratio Lower Upper
43 100
72 27.3 21.4 32.0



#26
2,2-Dichloropropane
Concen: 18.386 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 77 Resp: 52876
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.7

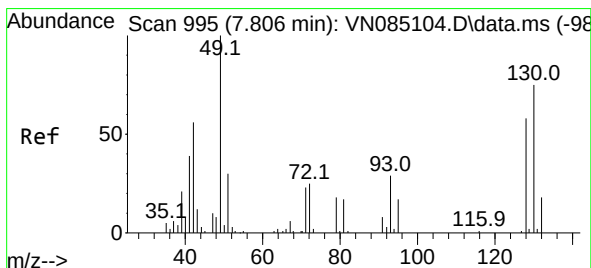
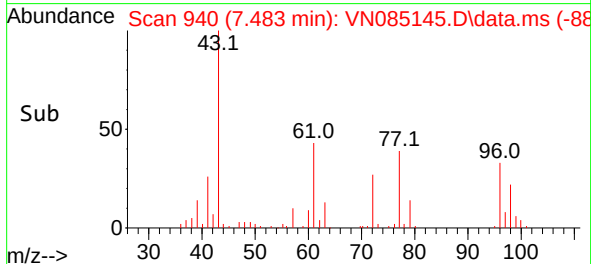
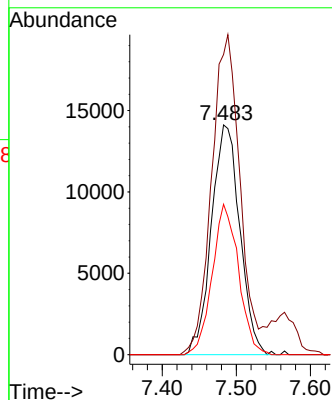
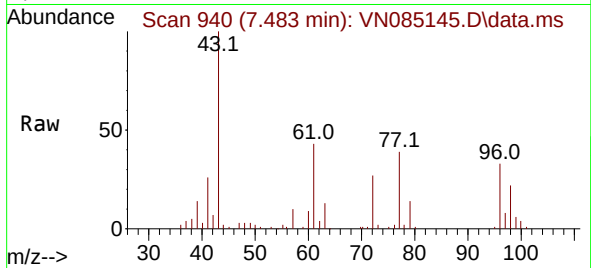




#27
 cis-1,2-Dichloroethene
 Concen: 19.514 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

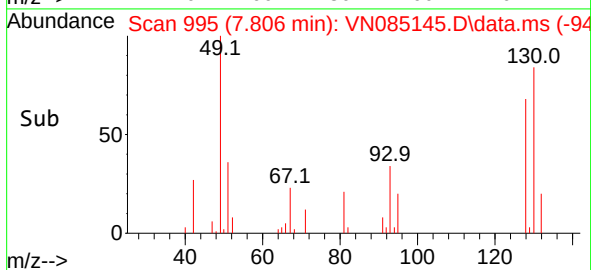
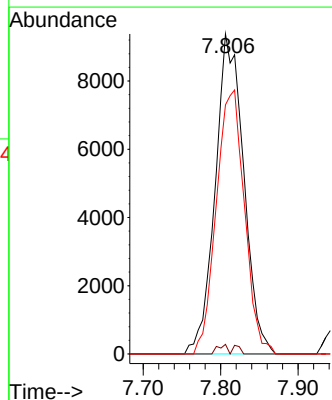
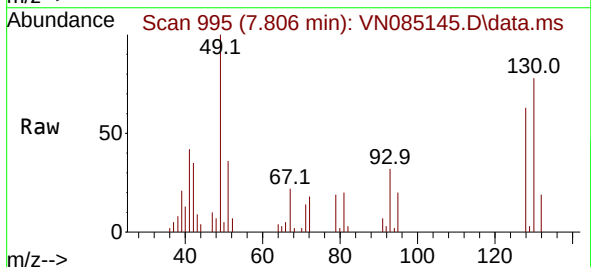
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

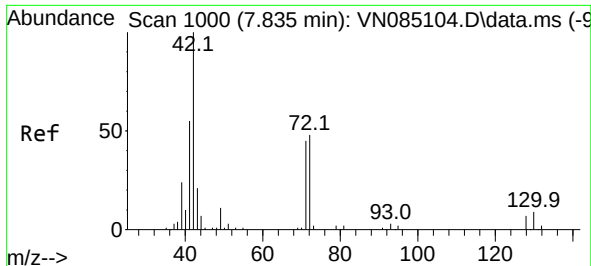
Tgt Ion: 96 Resp: 37551
 Ion Ratio Lower Upper
 96 100
 61 141.2 0.0 291.6
 98 60.8 0.0 129.8



#28
 Bromochloromethane
 Concen: 20.617 ug/l
 RT: 7.806 min Scan# 995
 Delta R.T. -0.000 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

Tgt Ion: 49 Resp: 23969
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.0
 130 0.0 60.6 90.8#





#29

Tetrahydrofuran

Concen: 118.337 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

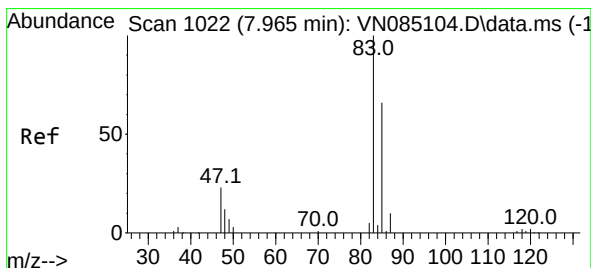
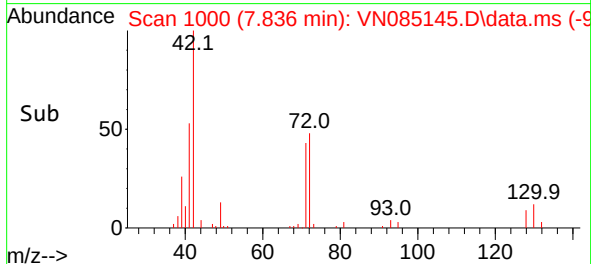
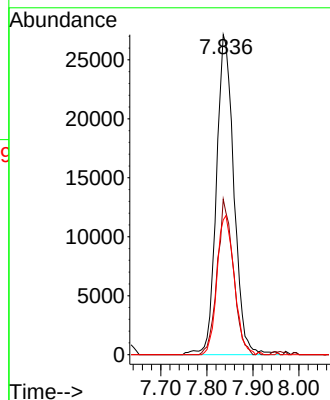
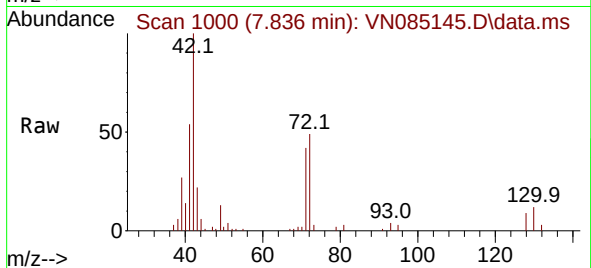
Tgt Ion: 42 Resp: 71330

Ion Ratio Lower Upper

42 100

72 44.7 37.0 55.4

71 42.8 35.0 52.4



#30

Chloroform

Concen: 19.513 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VN085145.D

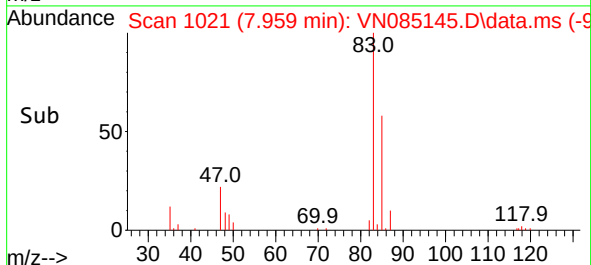
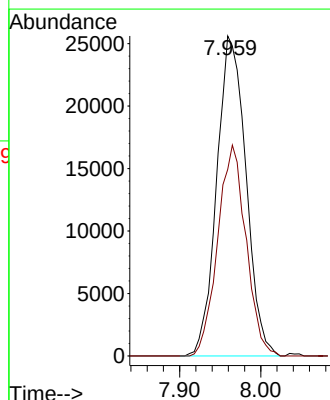
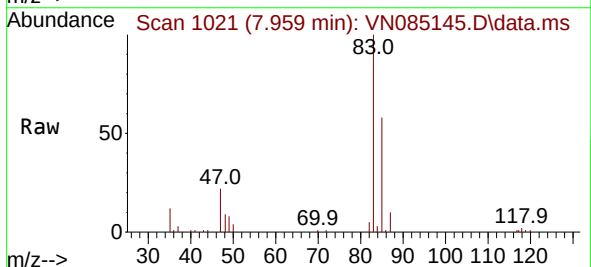
Acq: 09 Dec 2024 12:09

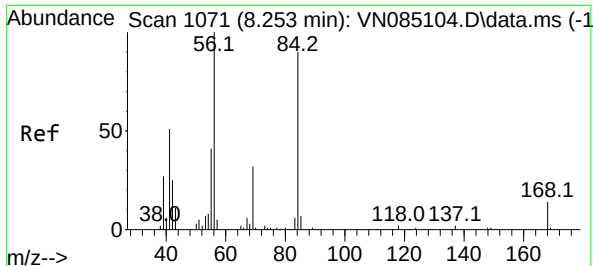
Tgt Ion: 83 Resp: 63927

Ion Ratio Lower Upper

83 100

85 58.3 52.6 78.8

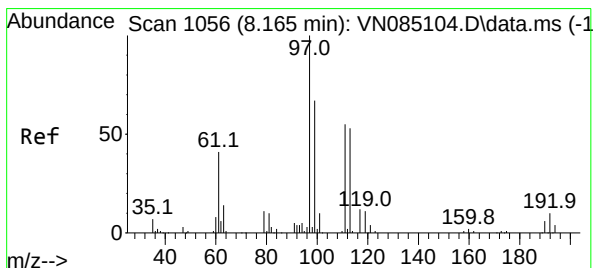
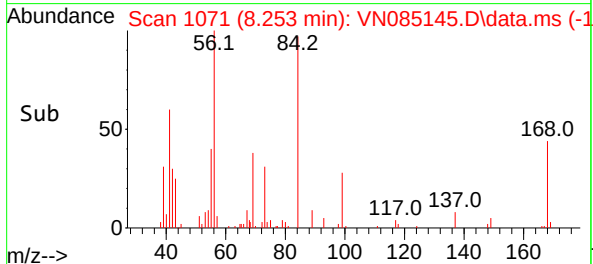
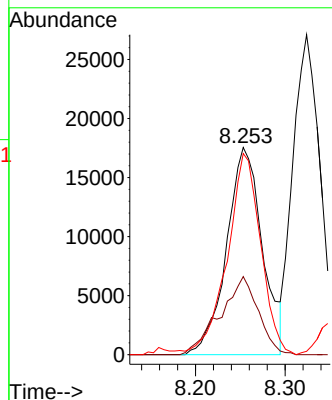
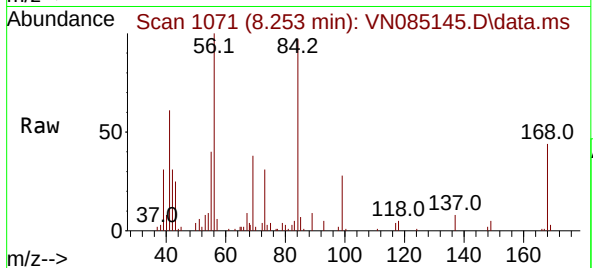




#31
Cyclohexane
Concen: 17.980 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

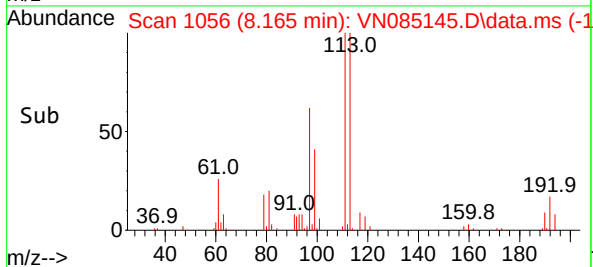
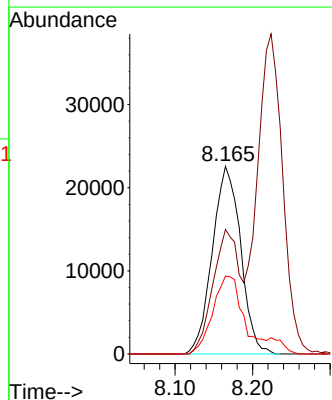
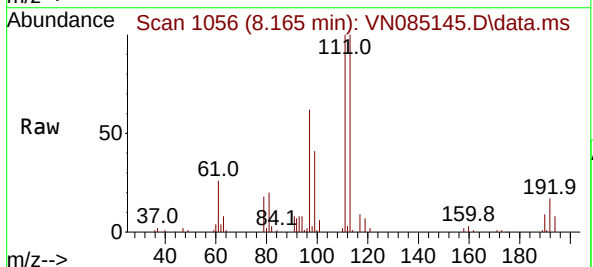
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

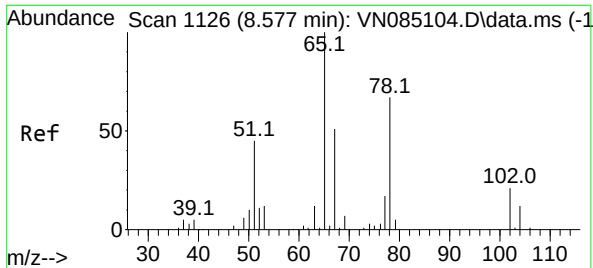
Tgt Ion: 56 Resp: 48755
Ion Ratio Lower Upper
56 100
69 37.7 24.6 36.8#
84 95.1 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.337 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 97 Resp: 57246
Ion Ratio Lower Upper
97 100
99 62.4 51.0 76.4
61 45.1 36.2 54.2

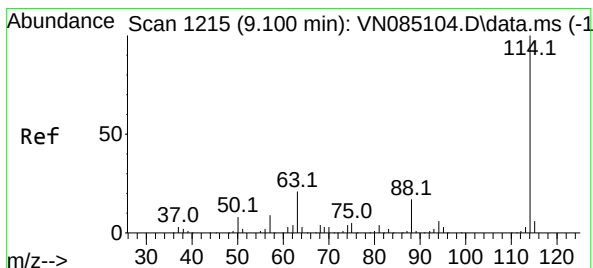
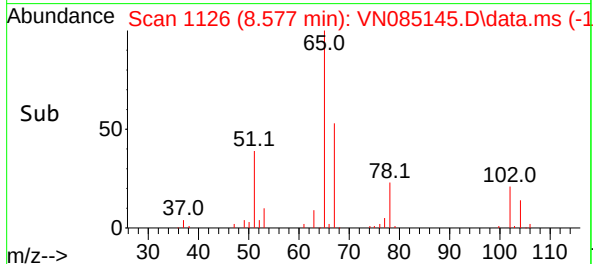
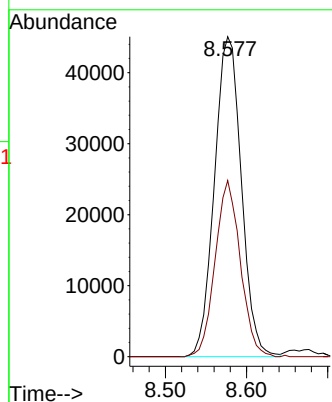
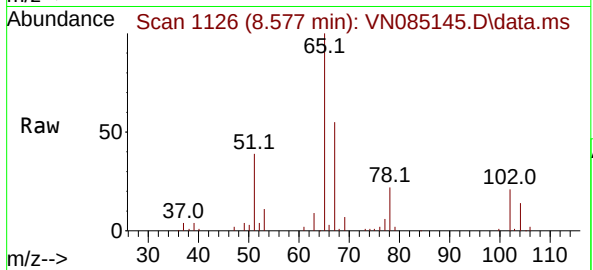




#33
1,2-Dichloroethane-d4
Concen: 51.041 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

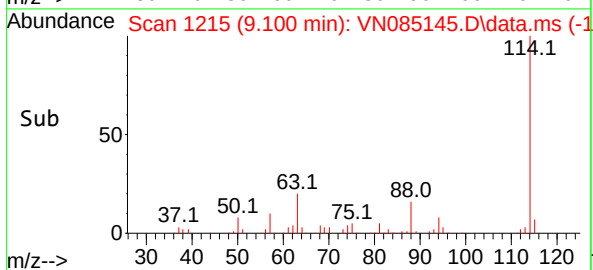
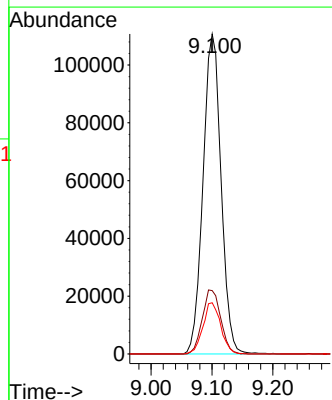
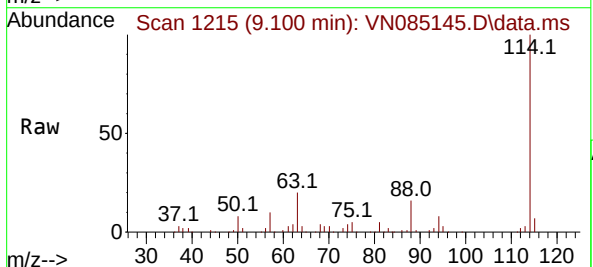
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

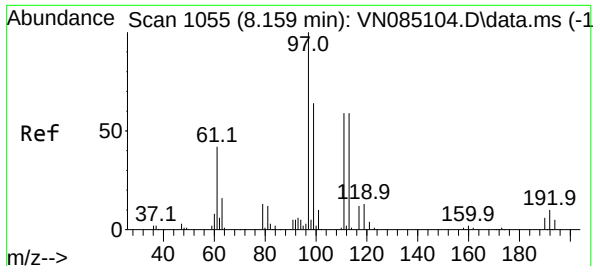
Tgt Ion: 65 Resp: 103903
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 114 Resp: 227734
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.0
88 16.0 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.889 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

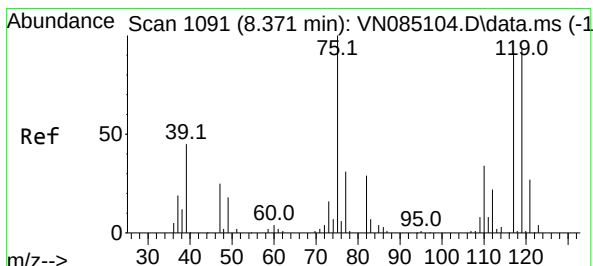
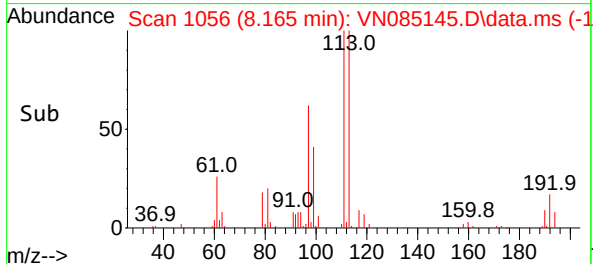
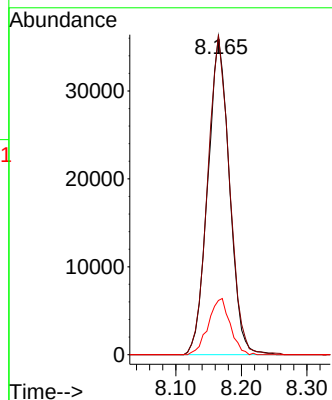
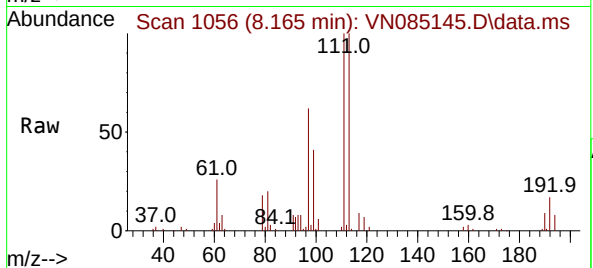
Tgt Ion:113 Resp: 82760

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 17.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 19.540 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

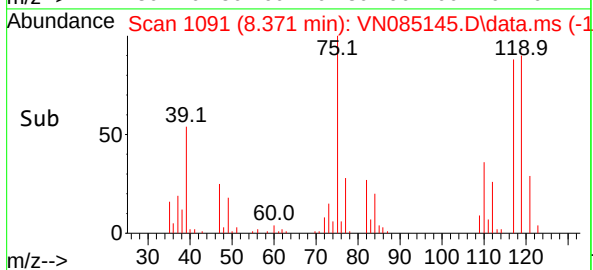
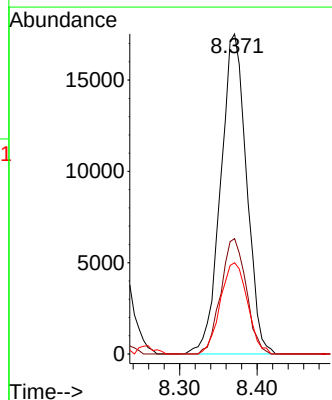
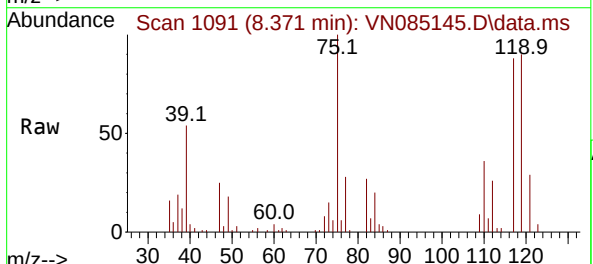
Tgt Ion: 75 Resp: 40646

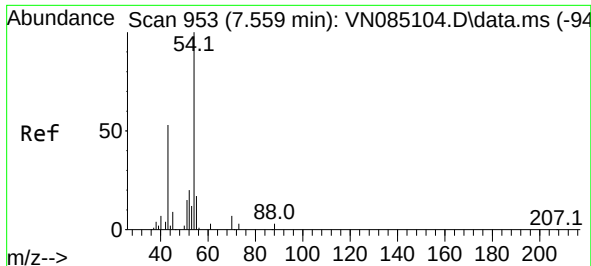
Ion Ratio Lower Upper

75 100

110 35.3 17.2 51.6

77 29.8 24.2 36.4





#37

Ethyl Acetate

Concen: 22.530 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

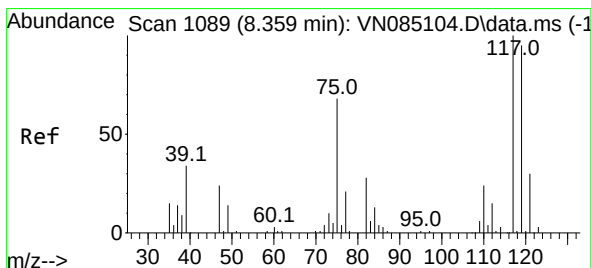
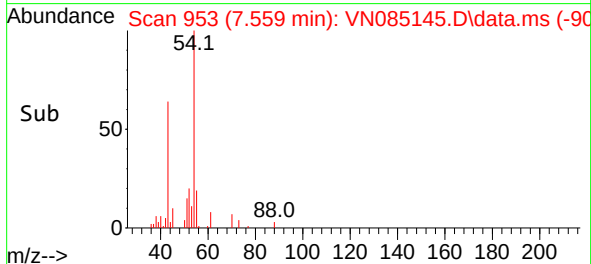
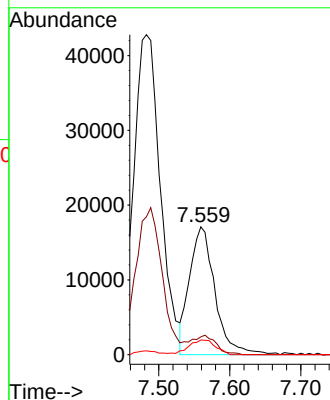
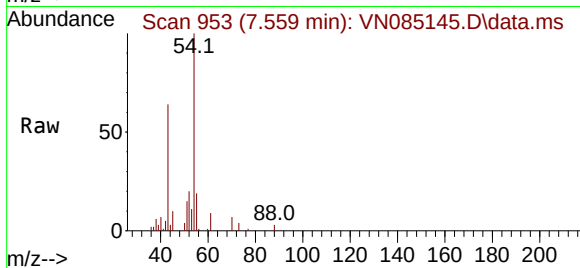
Tgt Ion: 43 Resp: 42607

Ion Ratio Lower Upper

43 100

61 13.3 11.7 17.5

70 12.2 9.3 13.9



#38

Carbon Tetrachloride

Concen: 20.975 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

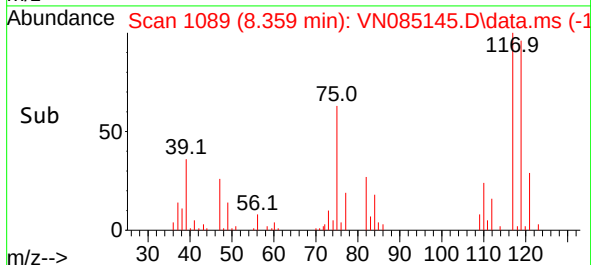
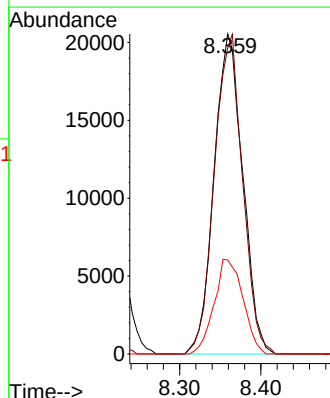
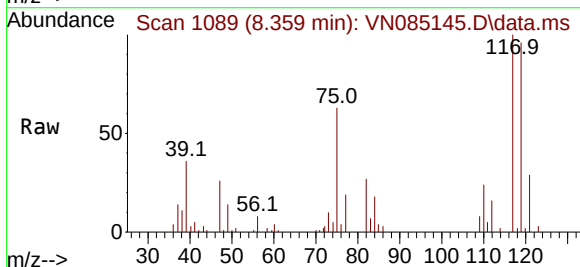
Tgt Ion: 117 Resp: 50365

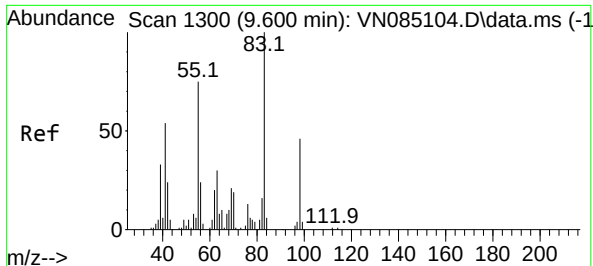
Ion Ratio Lower Upper

117 100

119 95.6 78.6 117.8

121 29.4 24.2 36.2





#39

Methylcyclohexane

Concen: 18.501 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

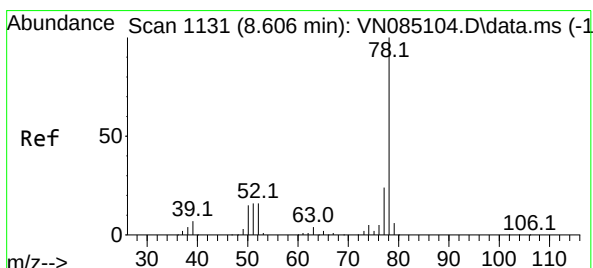
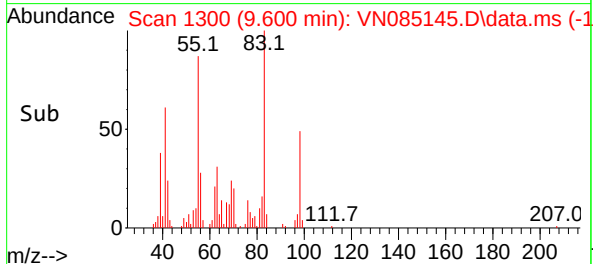
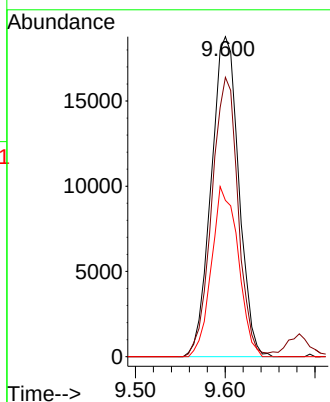
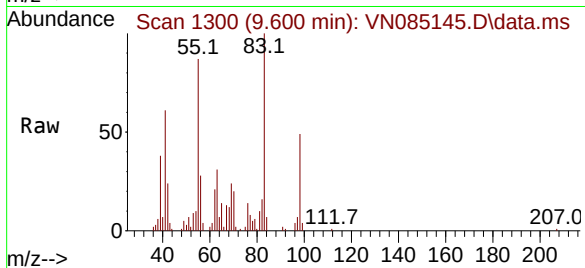
Tgt Ion: 83 Resp: 39992

Ion Ratio Lower Upper

83 100

55 87.3 61.8 92.6

98 48.8 37.0 55.6



#40

Benzene

Concen: 20.048 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085145.D

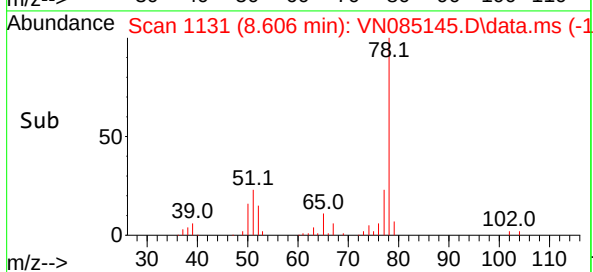
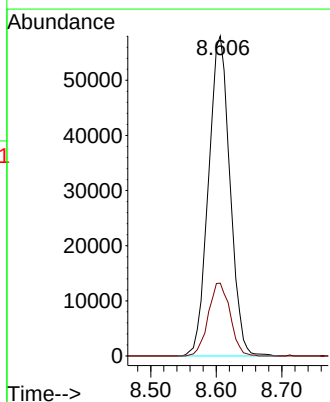
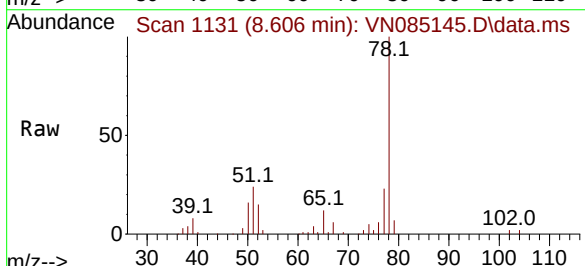
Acq: 09 Dec 2024 12:09

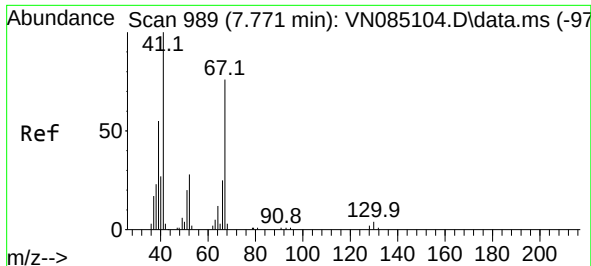
Tgt Ion: 78 Resp: 131898

Ion Ratio Lower Upper

78 100

77 22.7 18.5 27.7

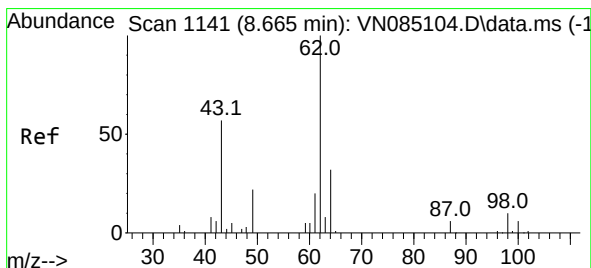
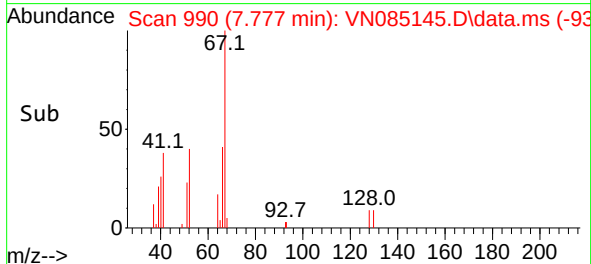
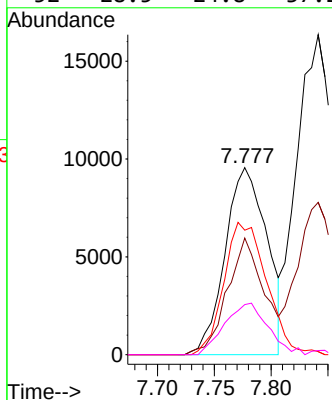
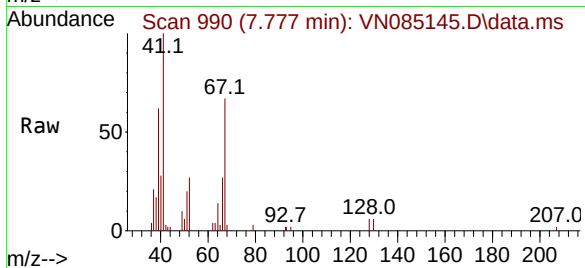




#41
Methacrylonitrile
Concen: 23.385 ug/l
RT: 7.777 min Scan# 989
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

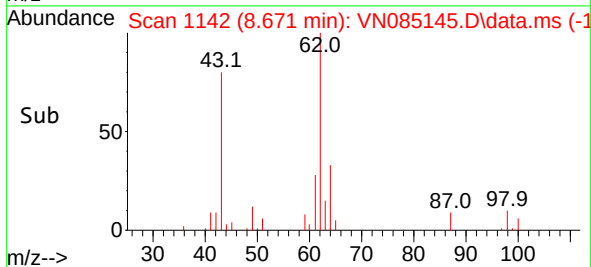
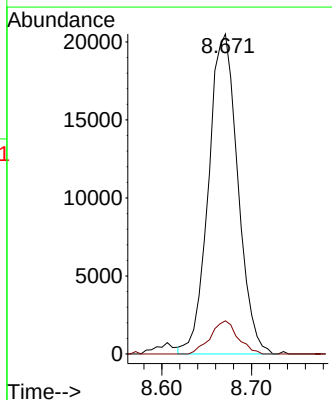
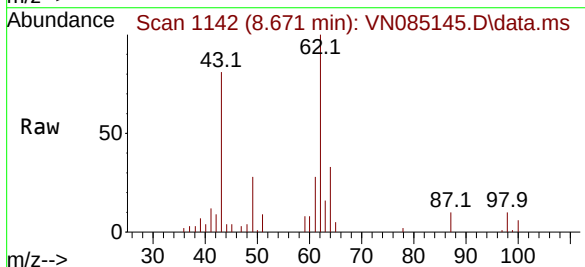
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

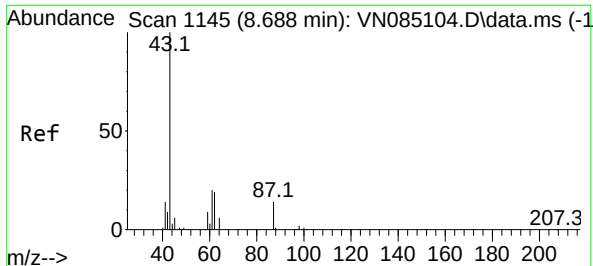
Tgt Ion:	41	Resp:	24485
Ion	Ratio	Lower	Upper
41	100		
39	54.5	42.6	63.8
67	72.3	59.9	89.9
52	28.5	24.8	37.2



#42
1,2-Dichloroethane
Concen: 20.649 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:	62	Resp:	46478
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 18.444 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

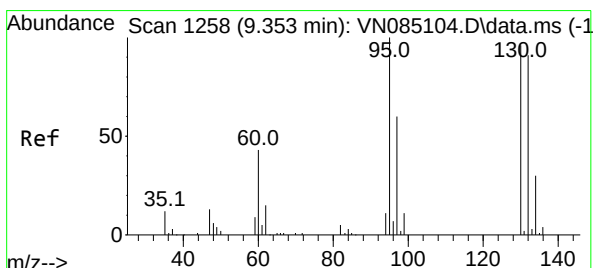
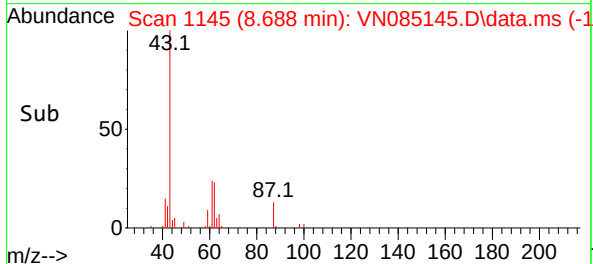
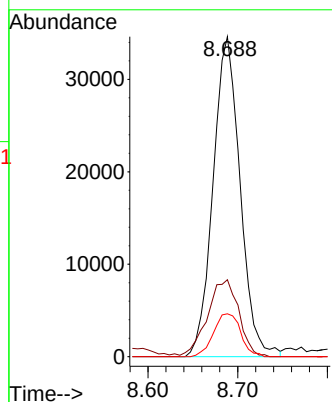
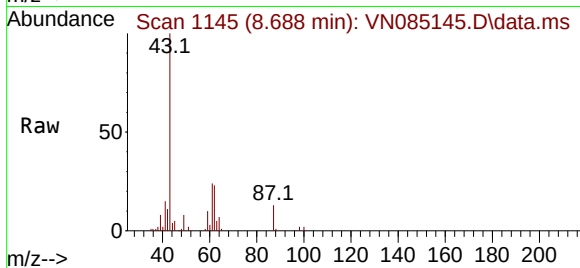
Tgt Ion: 43 Resp: 72452

Ion Ratio Lower Upper

43 100

61 27.8 20.6 30.8

87 13.5 11.0 16.4



#44

Trichloroethene

Concen: 21.047 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085145.D

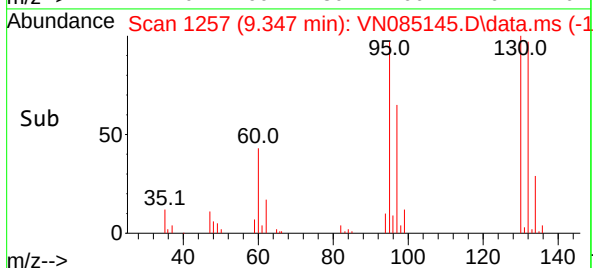
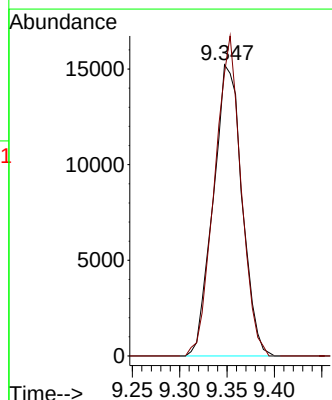
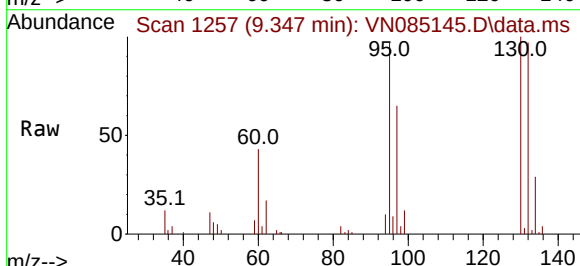
Acq: 09 Dec 2024 12:09

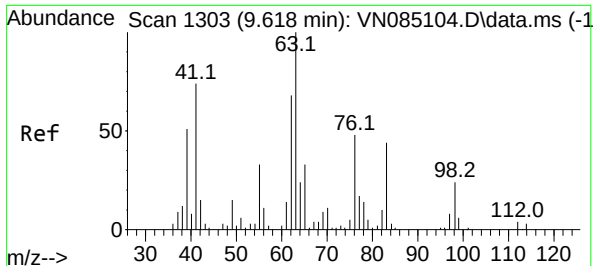
Tgt Ion:130 Resp: 32181

Ion Ratio Lower Upper

130 100

95 97.2 0.0 213.4





#45

1,2-Dichloropropane

Concen: 20.380 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

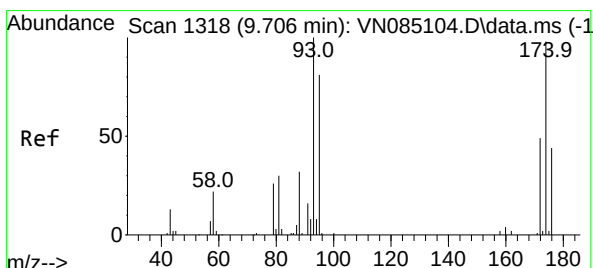
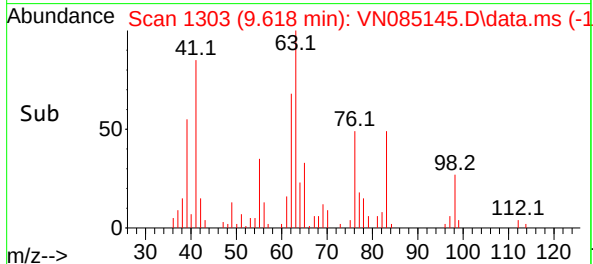
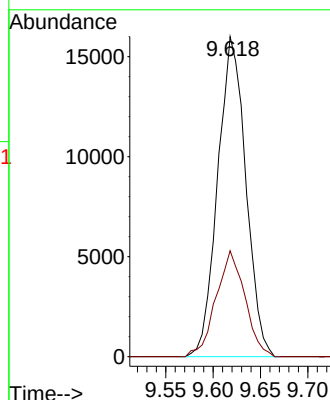
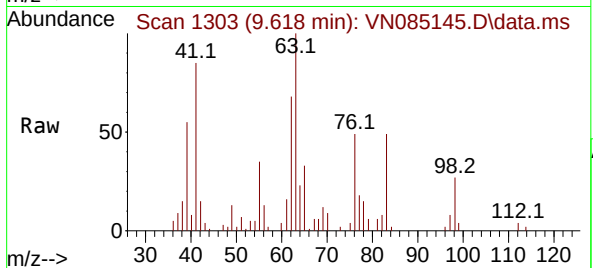
VN1209WBSD01

Tgt Ion: 63 Resp: 33025

Ion Ratio Lower Upper

63 100

65 33.1 24.0 36.0



#46

Dibromomethane

Concen: 21.544 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

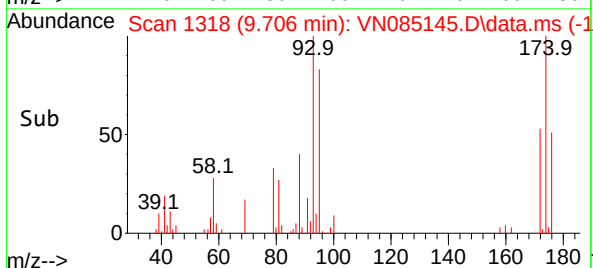
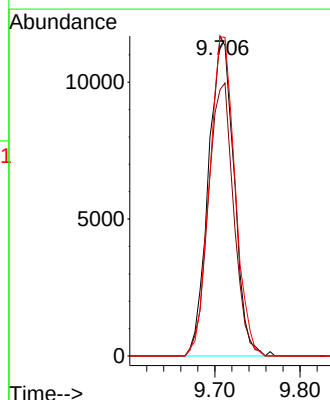
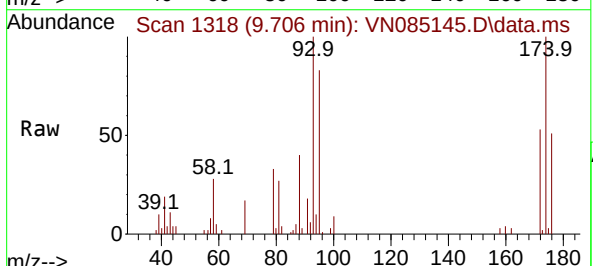
Tgt Ion: 93 Resp: 24259

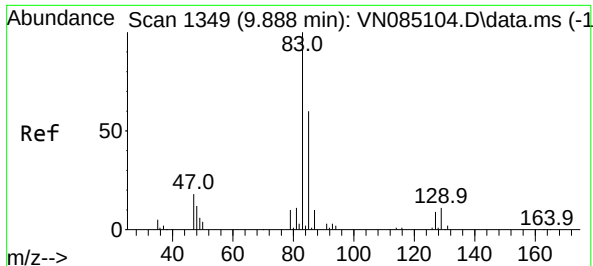
Ion Ratio Lower Upper

93 100

95 84.8 66.2 99.4

174 99.8 74.9 112.3

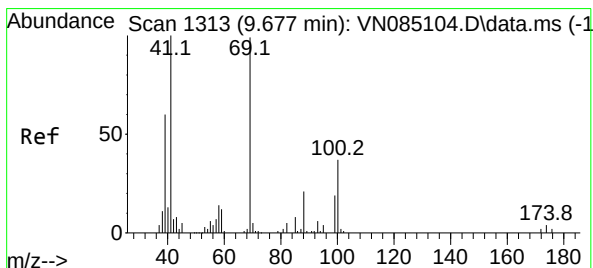
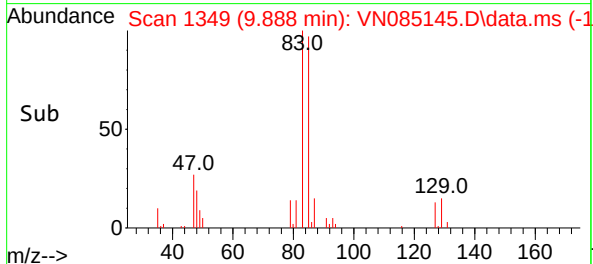
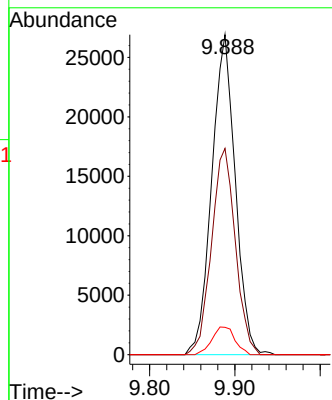
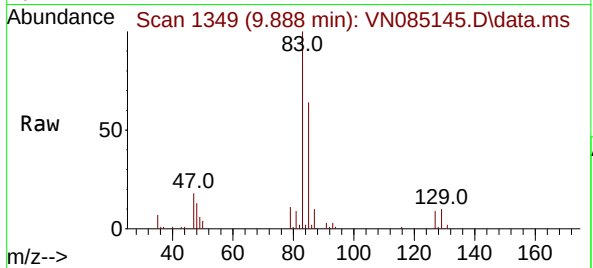




#47
Bromodichloromethane
Concen: 21.610 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

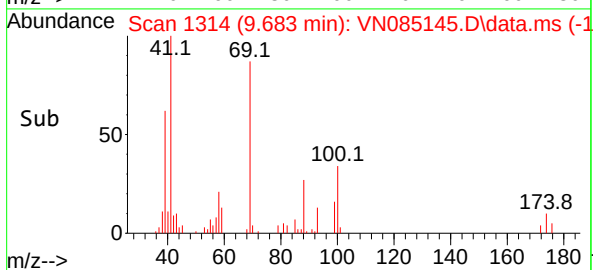
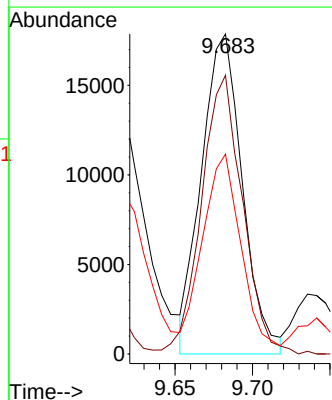
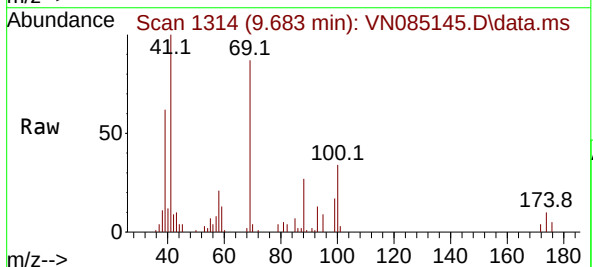
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

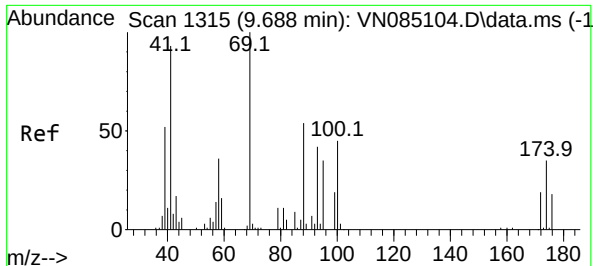
Tgt Ion: 83 Resp: 51571
Ion Ratio Lower Upper
83 100
85 64.4 50.5 75.7
127 8.5 7.1 10.7



#48
Methyl methacrylate
Concen: 22.453 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 41 Resp: 32820
Ion Ratio Lower Upper
41 100
69 87.5 73.2 109.8
39 59.4 46.2 69.4





#49

1,4-Dioxane

Concen: 555.200 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

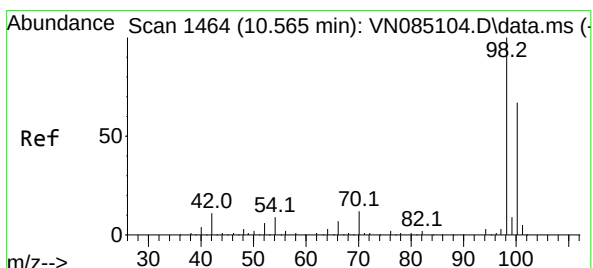
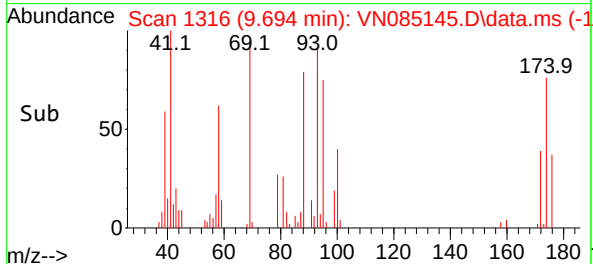
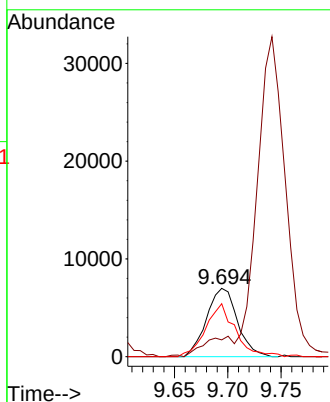
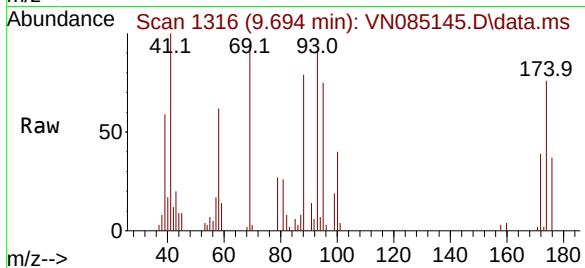
Tgt Ion: 88 Resp: 14074

Ion Ratio Lower Upper

88 100

43 20.3 16.7 25.1

58 74.4 56.5 84.7



#50

Toluene-d8

Concen: 50.954 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085145.D

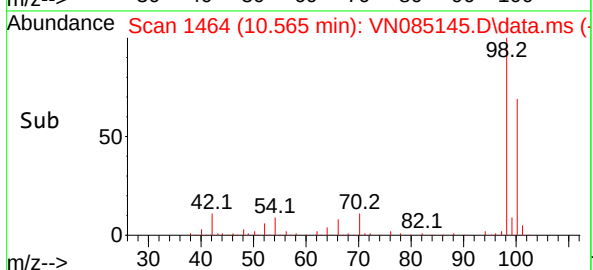
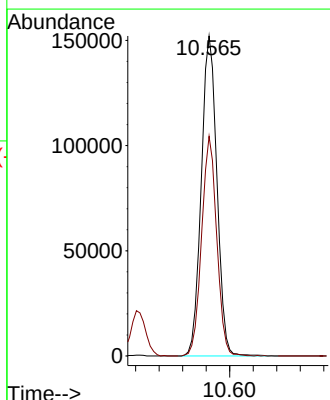
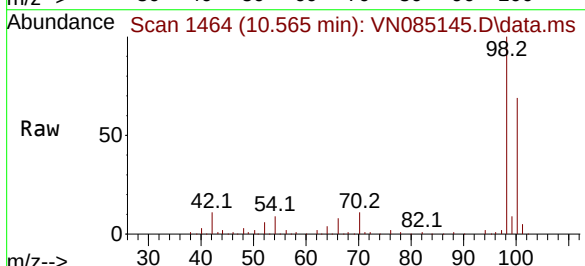
Acq: 09 Dec 2024 12:09

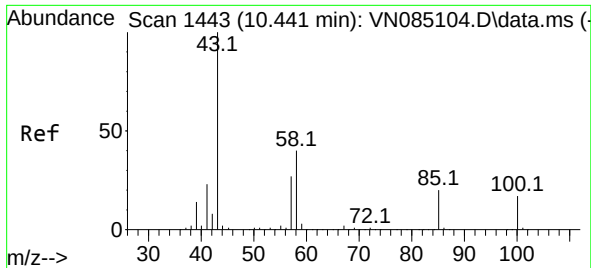
Tgt Ion: 98 Resp: 280439

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7

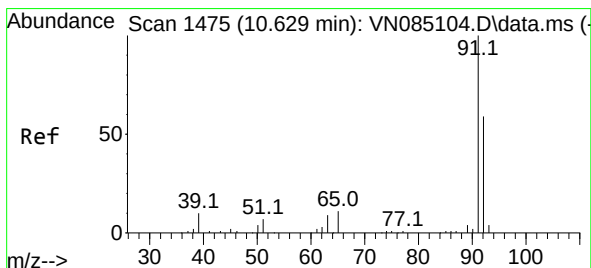
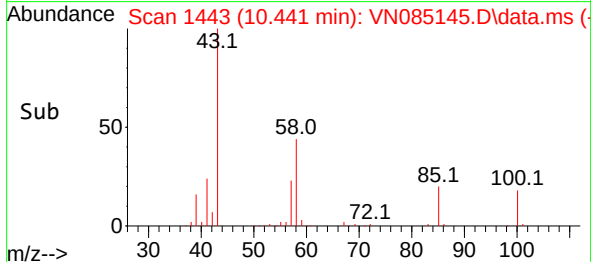
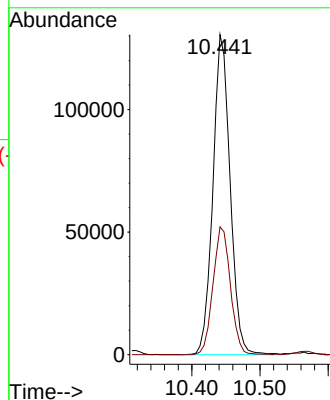
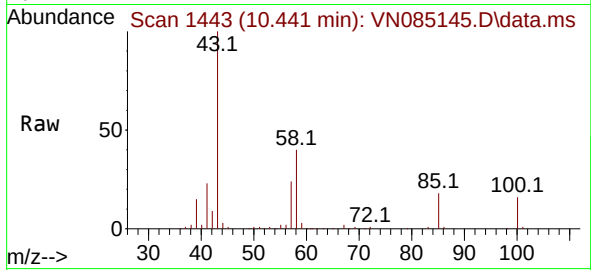




#51
4-Methyl-2-Pentanone
Concen: 127.955 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

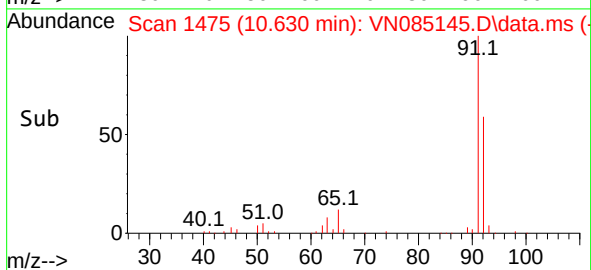
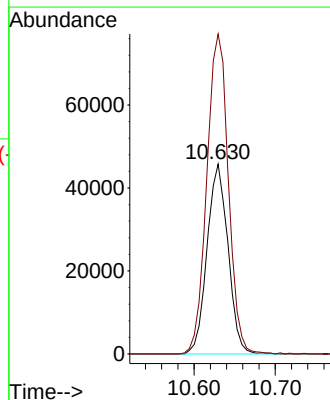
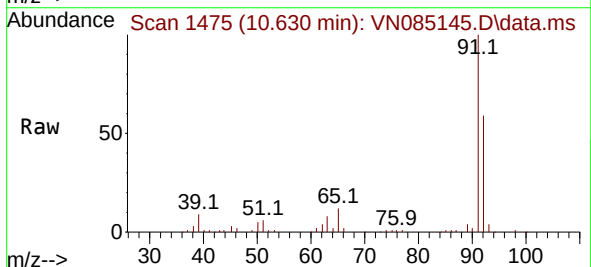
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

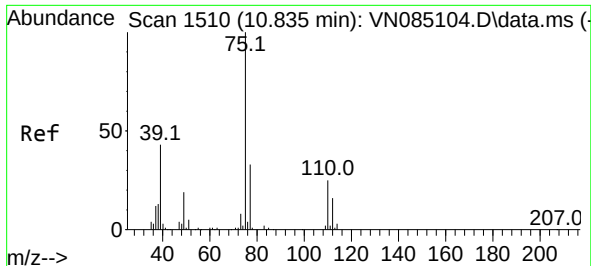
Tgt Ion: 43 Resp: 229577
Ion Ratio Lower Upper
43 100
58 40.4 32.1 48.1



#52
Toluene
Concen: 21.014 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 92 Resp: 81847
Ion Ratio Lower Upper
92 100
91 173.5 136.7 205.1

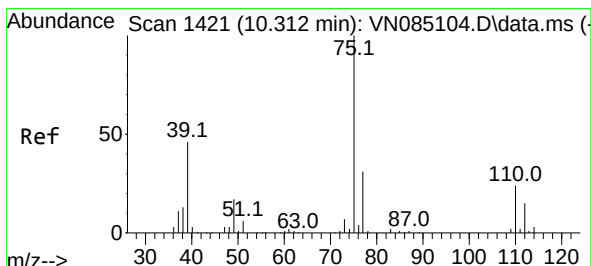
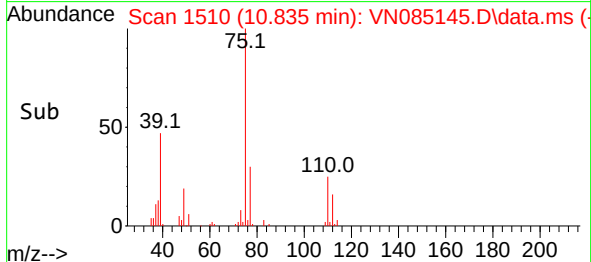
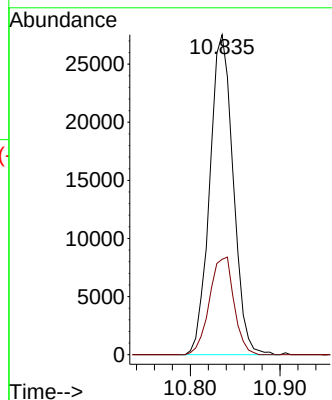
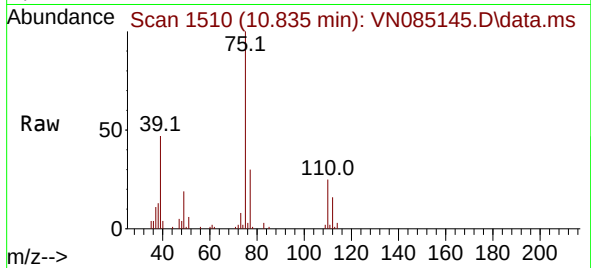




#53
 t-1,3-Dichloropropene
 Concen: 20.921 ug/l
 RT: 10.835 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

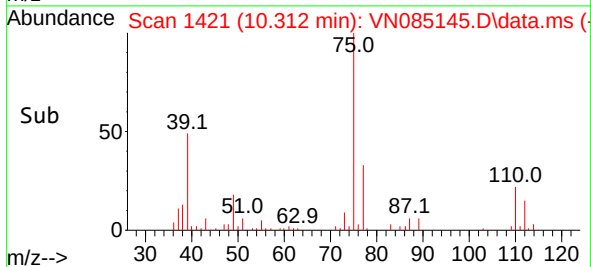
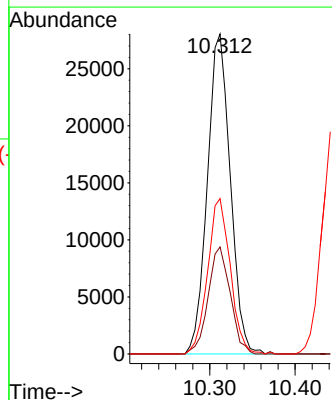
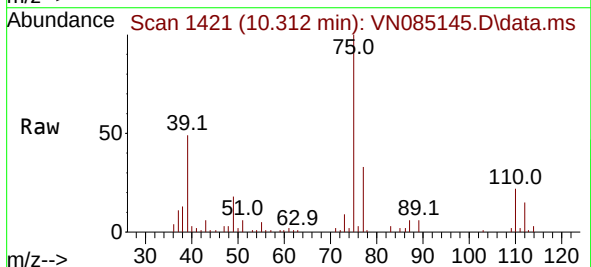
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

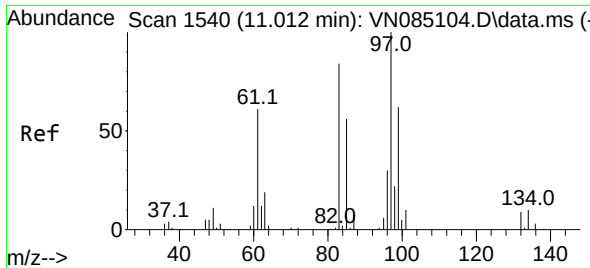
Tgt Ion: 75 Resp: 50056
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.678 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.006 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 52486
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.0 37.4
 39 48.6 37.6 56.4

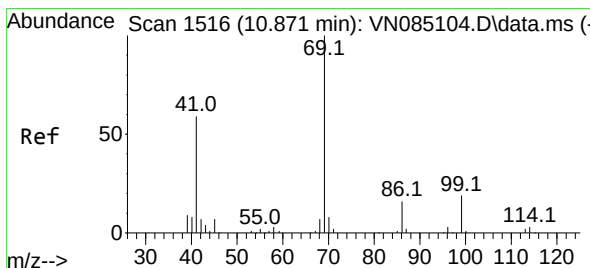
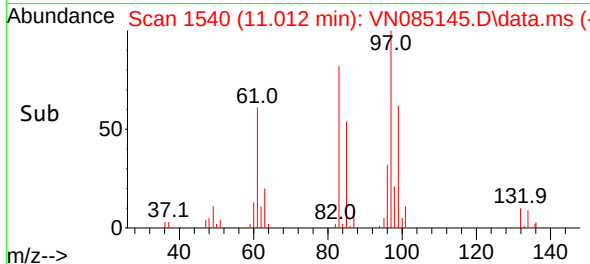
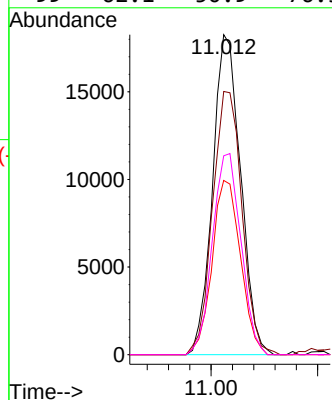
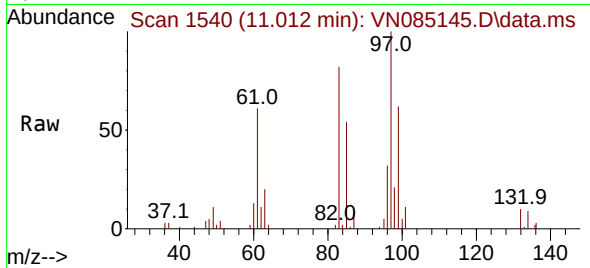




#55
1,1,2-Trichloroethane
Concen: 22.978 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

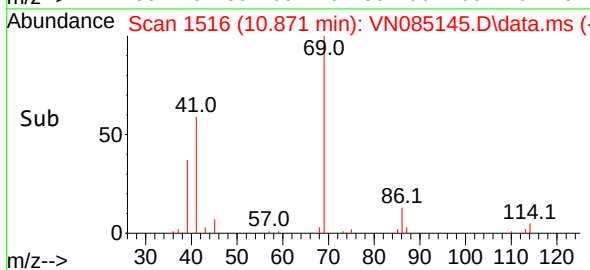
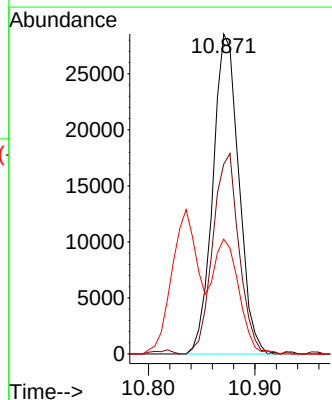
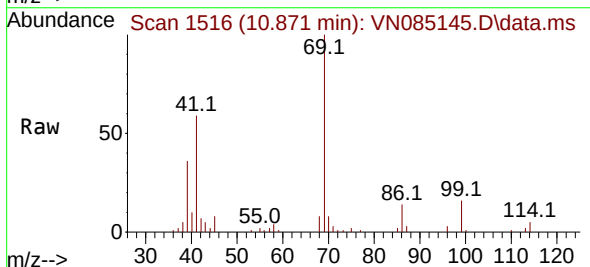
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

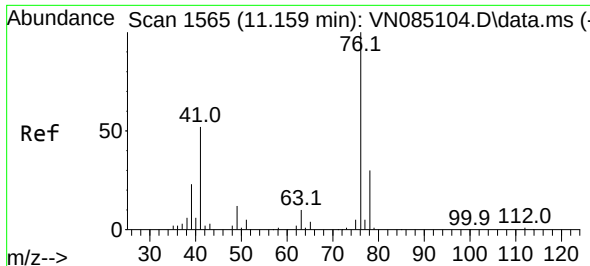
Tgt Ion: 97	Resp: 33335
Ion Ratio	Lower Upper
97 100	
83 82.3	67.4 101.2
85 54.5	43.1 64.7
99 62.1	50.9 76.3



#56
Ethyl methacrylate
Concen: 22.755 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 69	Resp: 48238
Ion Ratio	Lower Upper
69 100	
41 63.4	50.0 75.0
39 36.2	27.0 40.6

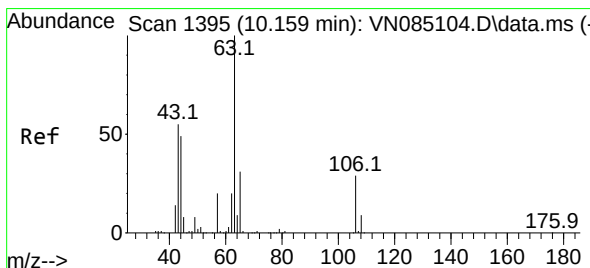
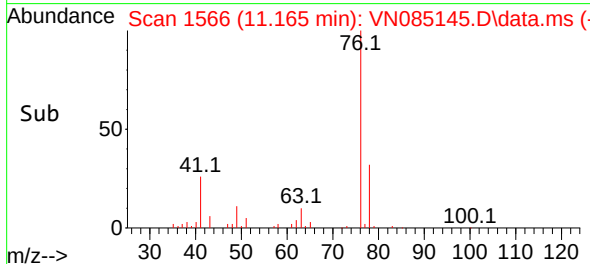
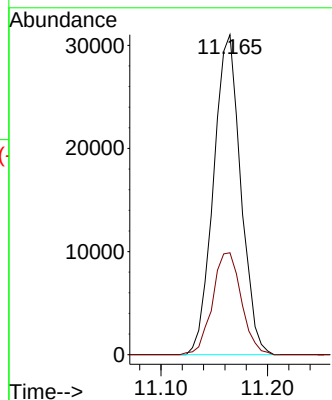
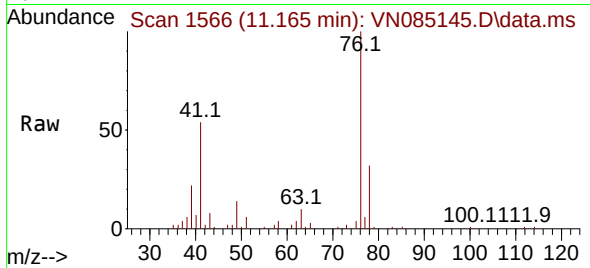




#57
1,3-Dichloropropane
Concen: 21.568 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

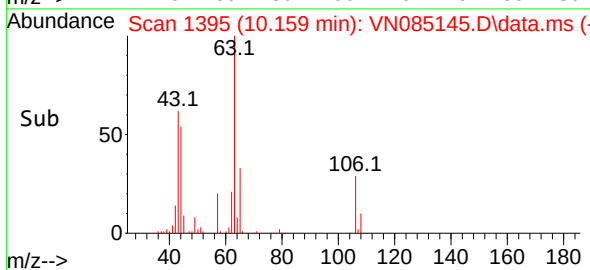
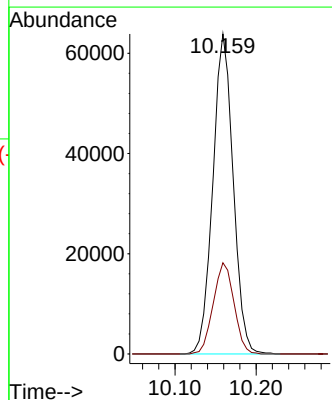
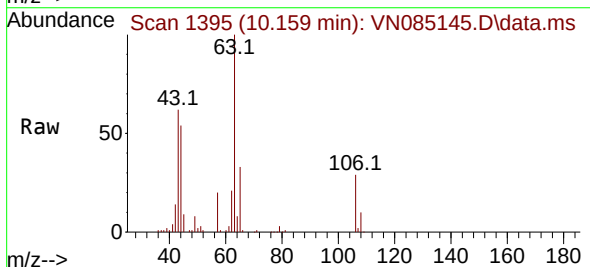
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

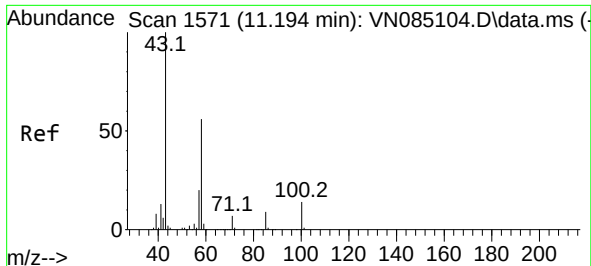
Tgt Ion: 76 Resp: 55071
Ion Ratio Lower Upper
76 100
78 33.7 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 107.042 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 63 Resp: 111311
Ion Ratio Lower Upper
63 100
106 28.9 23.0 34.6

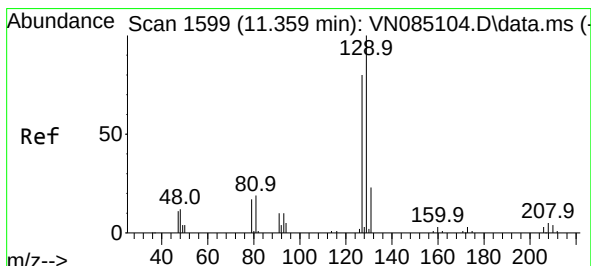
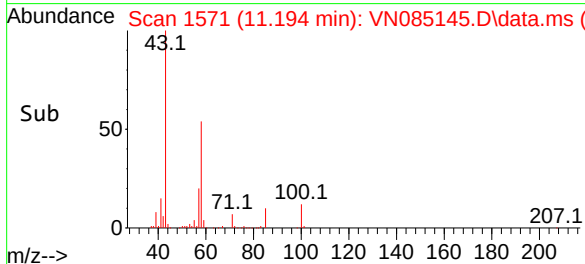
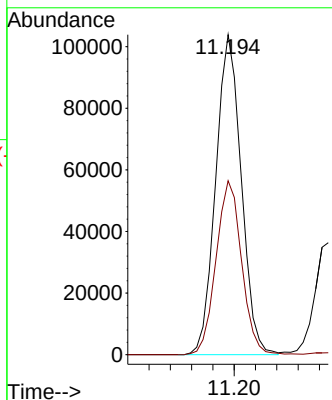
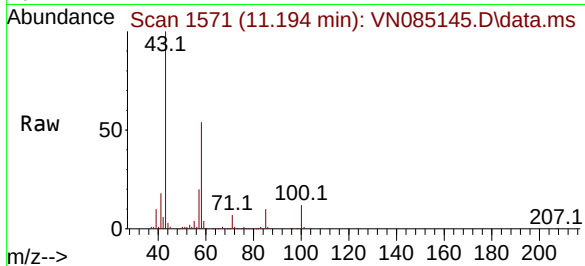




#59
2-Hexanone
Concen: 128.613 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

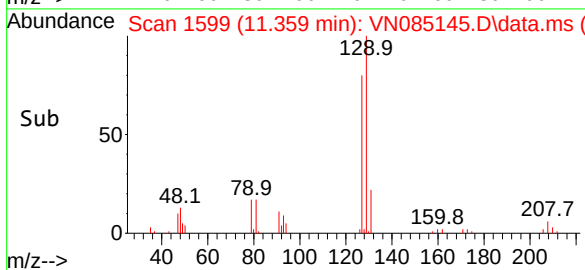
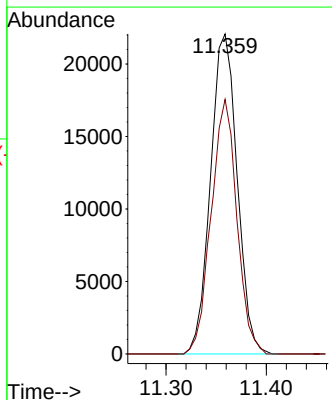
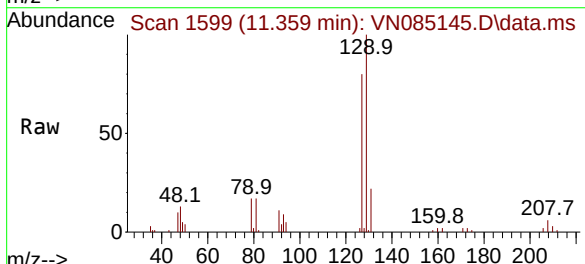
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

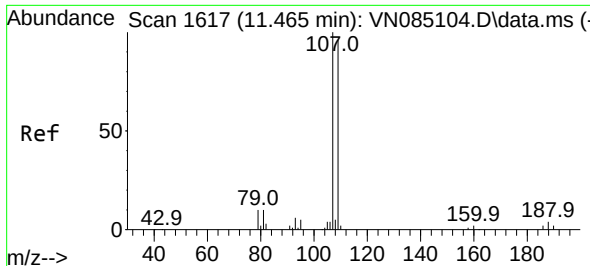
Tgt Ion: 43 Resp: 172584
Ion Ratio Lower Upper
43 100
58 54.5 28.3 85.0



#60
Dibromochloromethane
Concen: 22.997 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:129 Resp: 40774
Ion Ratio Lower Upper
129 100
127 76.7 39.2 117.6

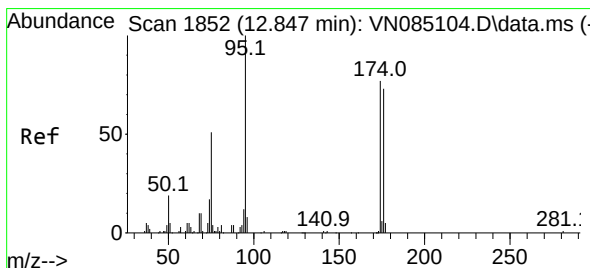
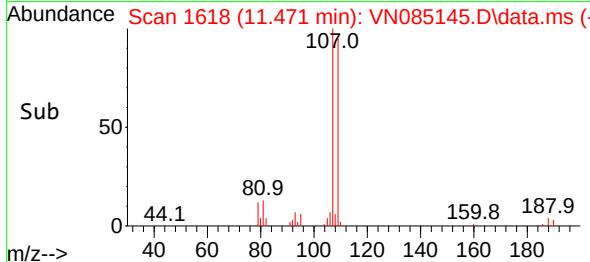
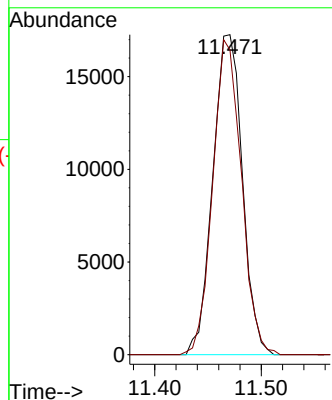
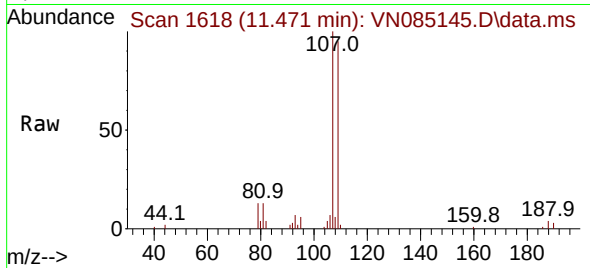




#61
1,2-Dibromoethane
Concen: 22.146 ug/l
RT: 11.471 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

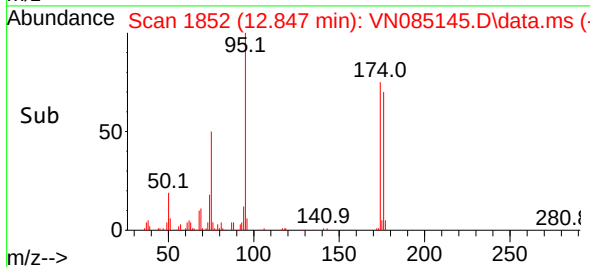
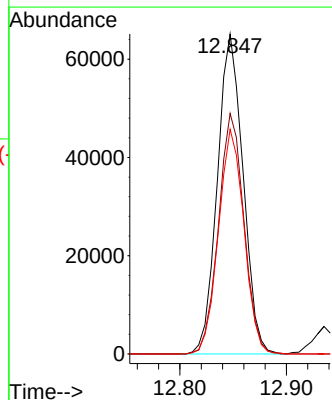
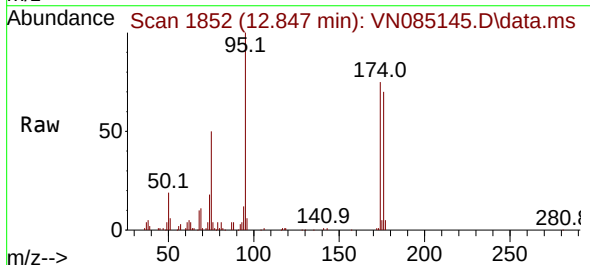
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

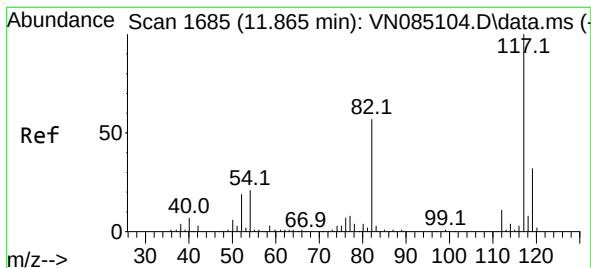
Tgt Ion:107 Resp: 33251
Ion Ratio Lower Upper
107 100
109 95.3 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 52.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 95 Resp: 108911
Ion Ratio Lower Upper
95 100
174 74.4 0.0 146.6
176 69.8 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

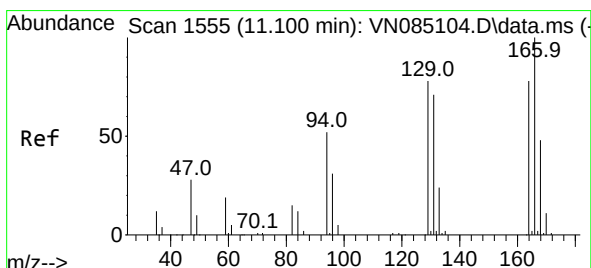
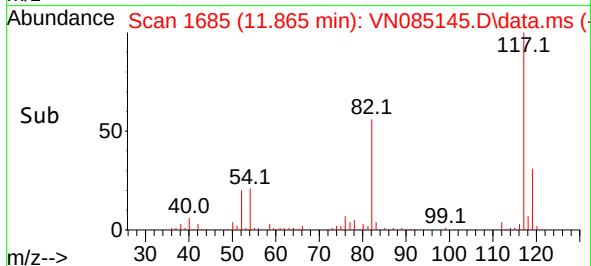
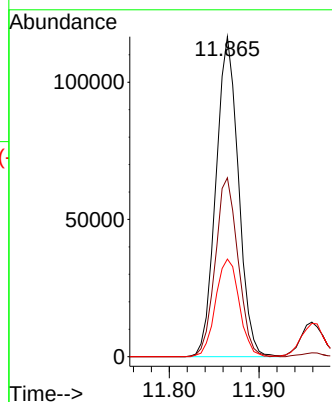
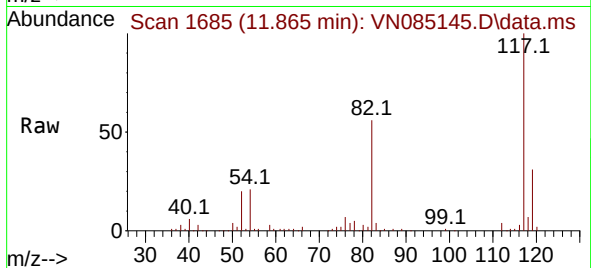
Tgt Ion:117 Resp: 203151

Ion Ratio Lower Upper

117 100

82 55.9 46.0 69.0

119 30.5 25.6 38.4



#64

Tetrachloroethene

Concen: 20.683 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion:164 Resp: 28313

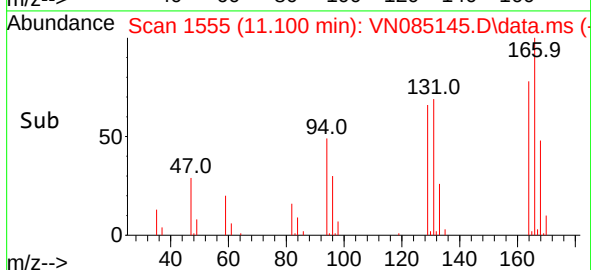
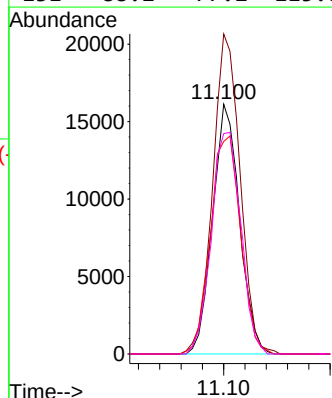
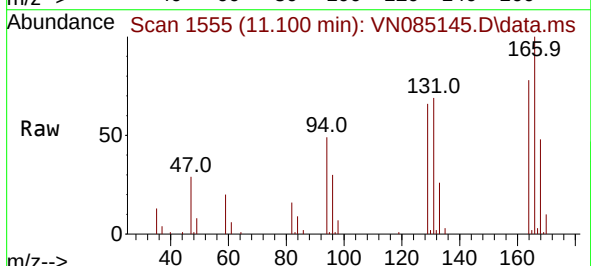
Ion Ratio Lower Upper

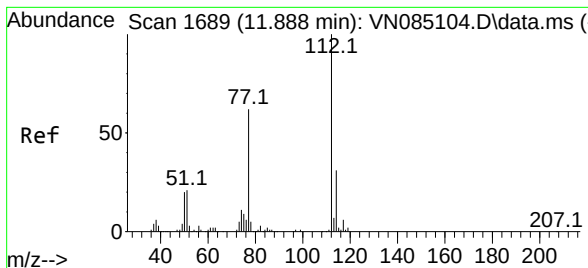
164 100

166 128.1 100.6 151.0

129 85.1 77.7 116.5

131 88.2 77.2 115.8

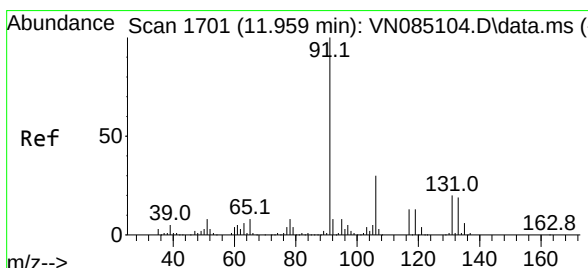
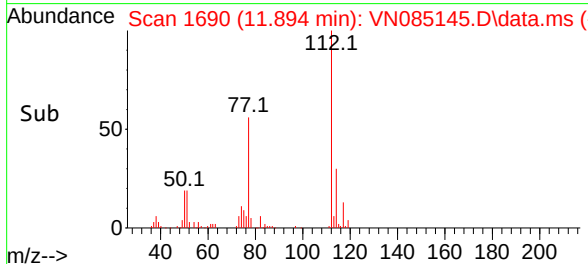
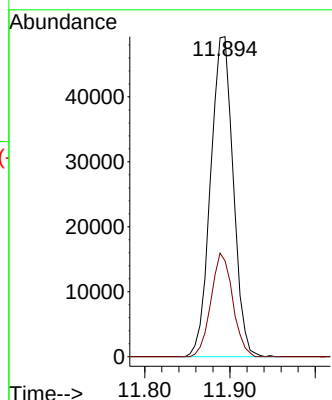
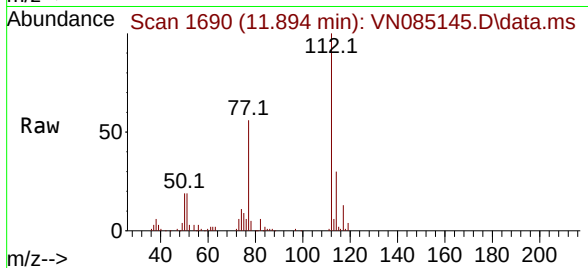




#65
Chlorobenzene
Concen: 19.714 ug/l
RT: 11.894 min Scan# 11894
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

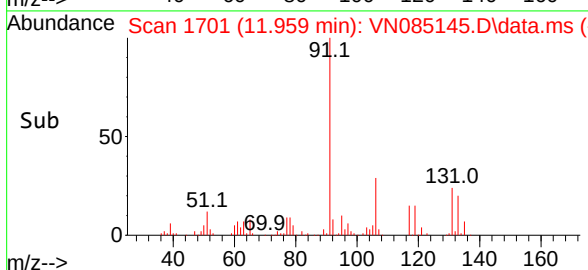
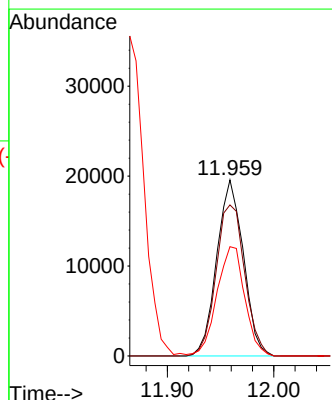
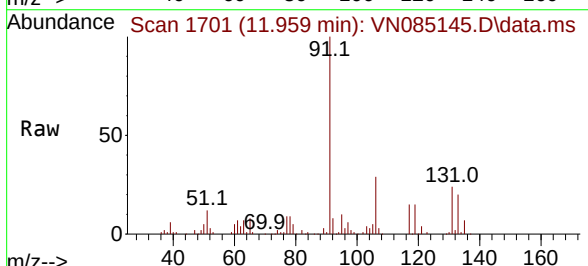
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

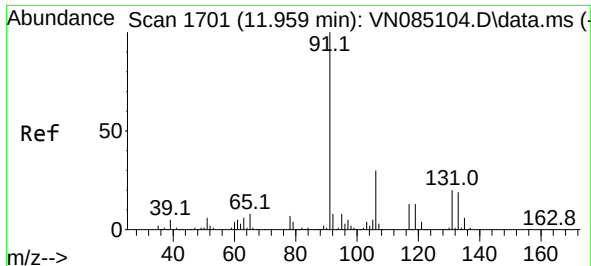
Tgt Ion:112 Resp: 90827
Ion Ratio Lower Upper
112 100
114 30.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:131 Resp: 33935
Ion Ratio Lower Upper
131 100
133 92.6 47.8 143.4
119 65.0 32.1 96.3





#67

Ethyl Benzene

Concen: 19.736 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

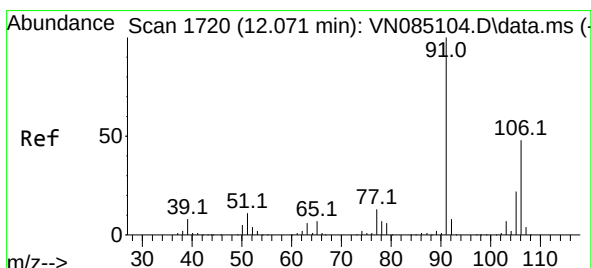
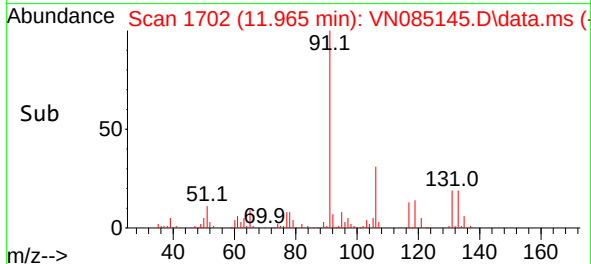
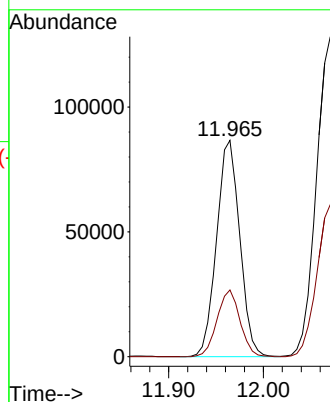
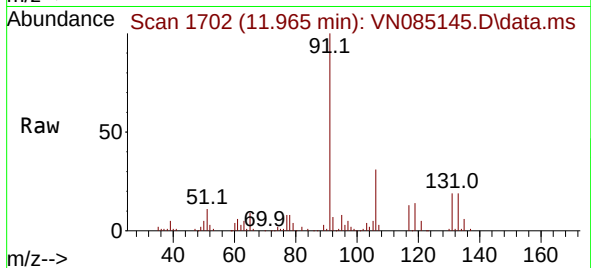
VN1209WBSD01

Tgt Ion: 91 Resp: 147522

Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



#68

m/p-Xylenes

Concen: 40.857 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085145.D

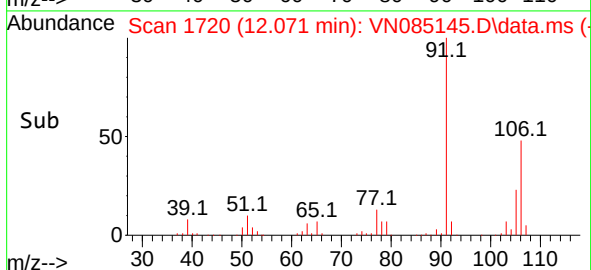
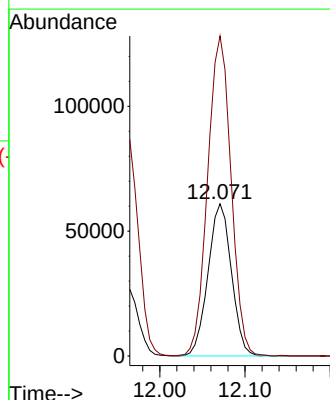
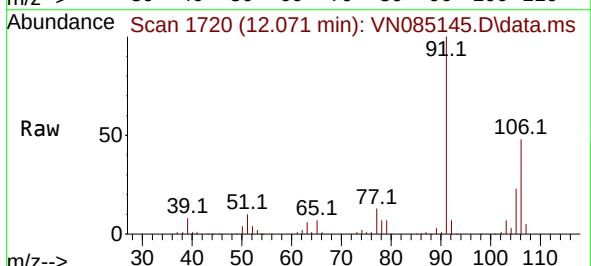
Acq: 09 Dec 2024 12:09

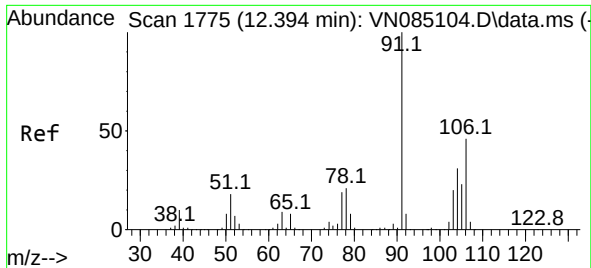
Tgt Ion:106 Resp: 116268

Ion Ratio Lower Upper

106 100

91 210.8 168.0 252.0

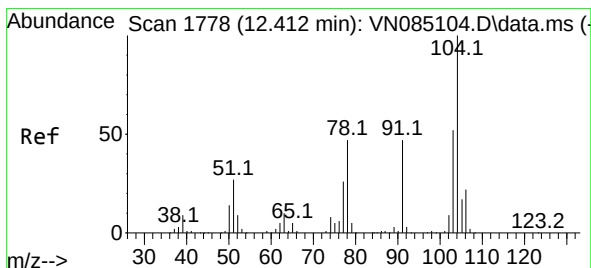
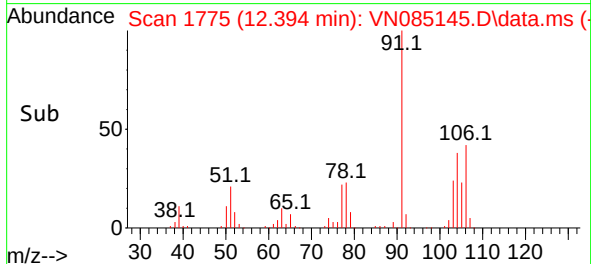
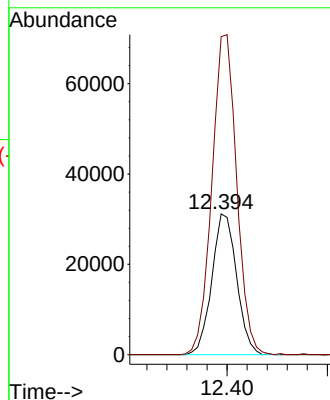
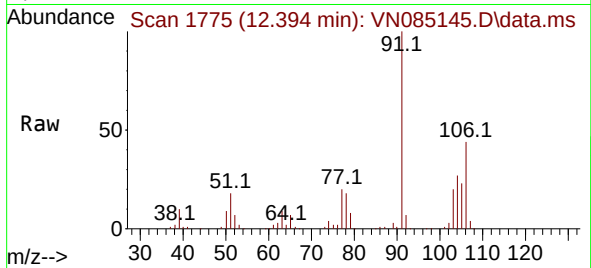




#69
o-Xylene
Concen: 19.780 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

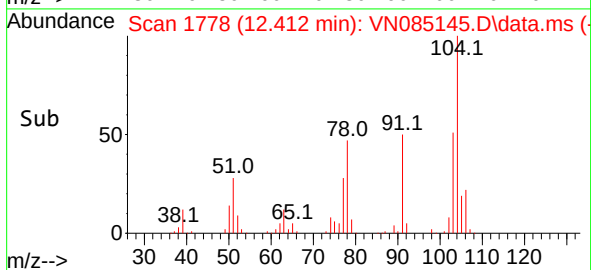
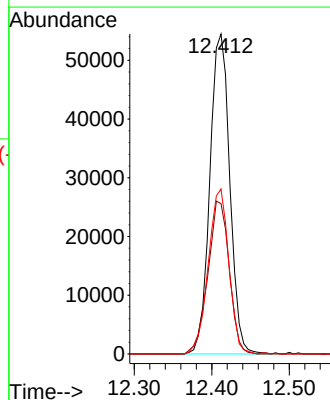
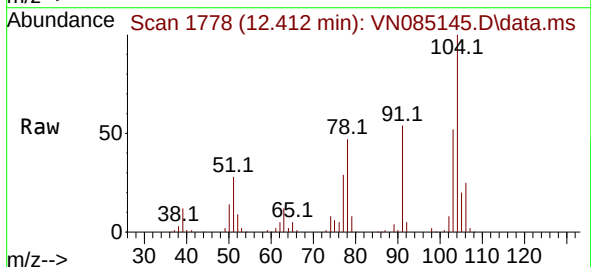
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

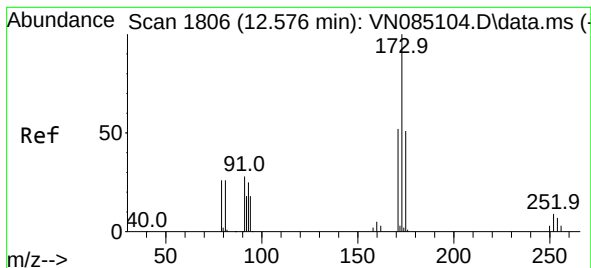
Tgt Ion:106 Resp: 53545
Ion Ratio Lower Upper
106 100
91 227.2 110.7 331.9



#70
Styrene
Concen: 21.590 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:104 Resp: 97192
Ion Ratio Lower Upper
104 100
78 51.0 42.3 63.5
103 53.2 44.2 66.2





#71

Bromoform

Concen: 23.810 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

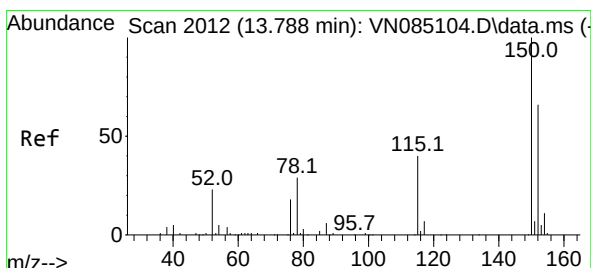
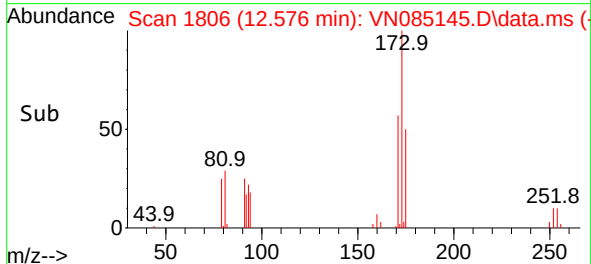
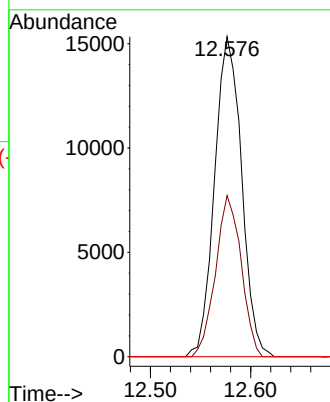
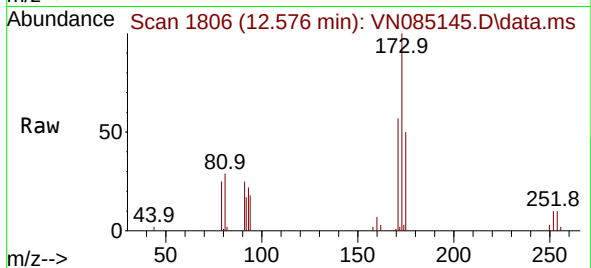
Tgt Ion:173 Resp: 28670

Ion Ratio Lower Upper

173 100

175 47.8 23.8 71.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

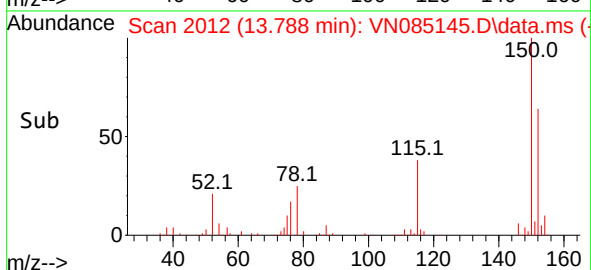
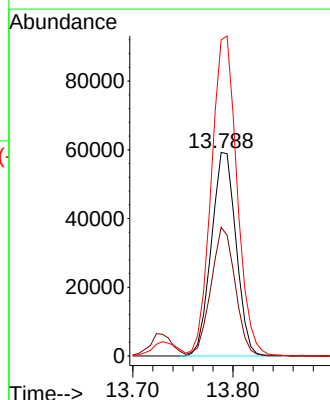
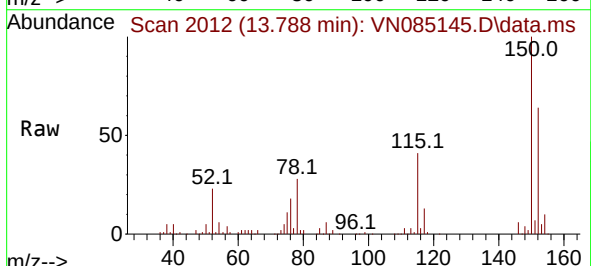
Tgt Ion:152 Resp: 101401

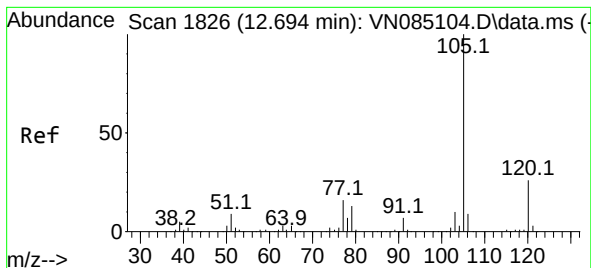
Ion Ratio Lower Upper

152 100

115 61.8 31.7 95.1

150 163.8 0.0 351.4





#73

Isopropylbenzene

Concen: 19.586 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

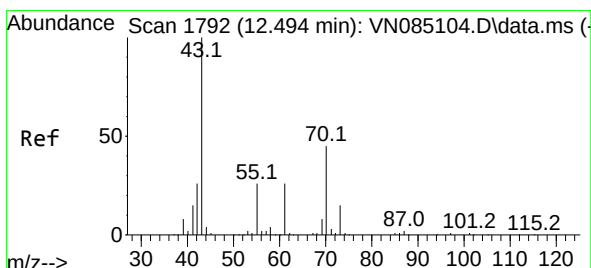
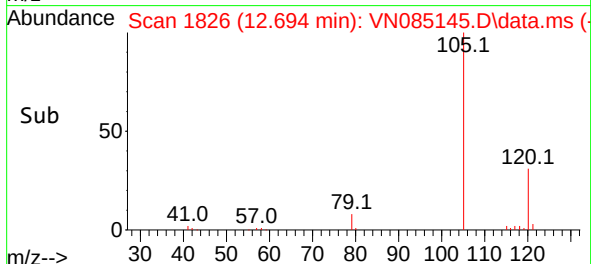
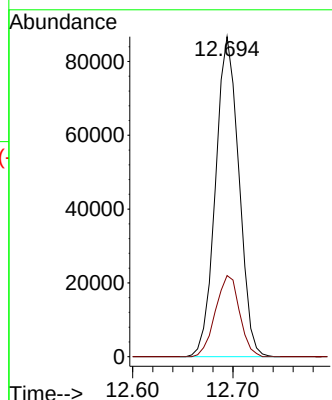
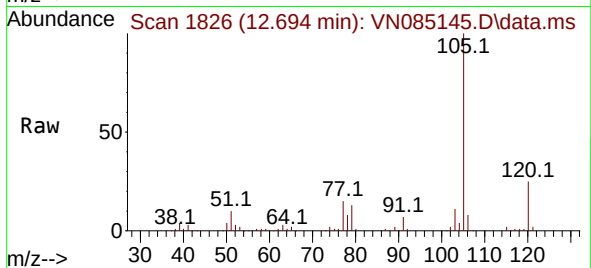
VN1209WBSD01

Tgt Ion:105 Resp: 140110

Ion Ratio Lower Upper

105 100

120 26.1 13.0 39.0



#74

N-ethyl acetate

Concen: 20.951 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Tgt Ion: 43 Resp: 61760

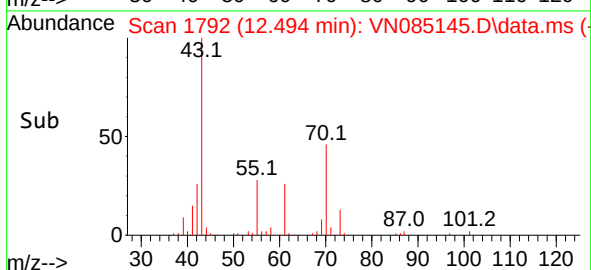
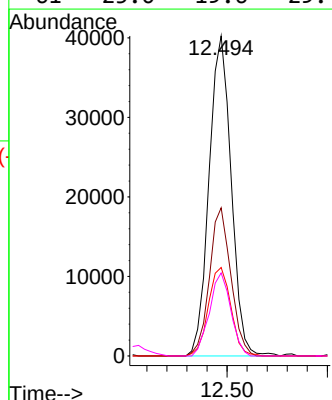
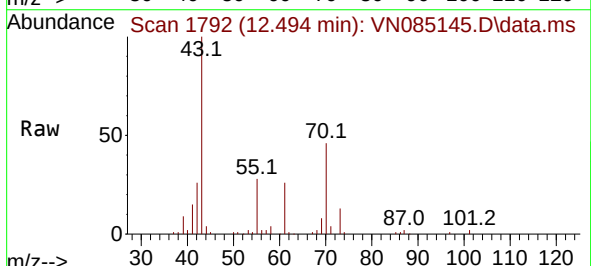
Ion Ratio Lower Upper

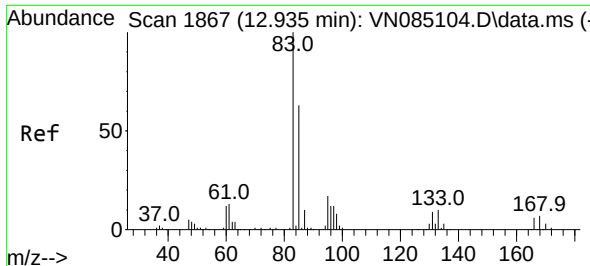
43 100

70 44.8 34.6 51.8

55 28.1 20.5 30.7

61 25.0 19.6 29.4

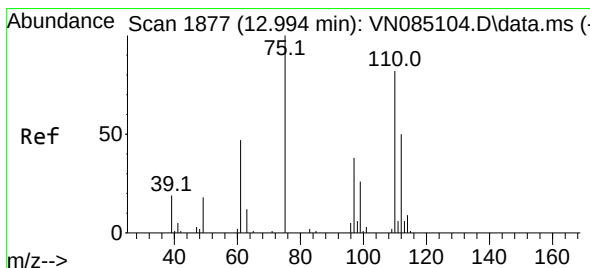
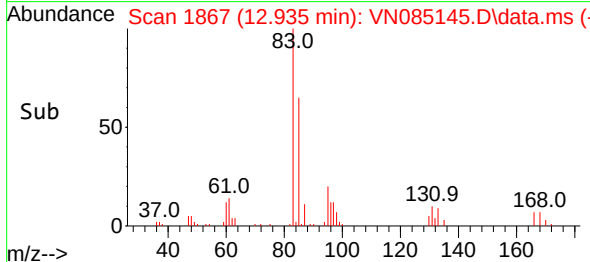
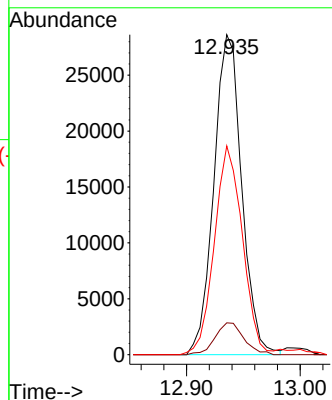
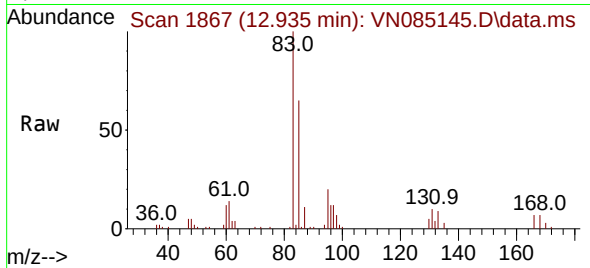




#75
1,1,2,2-Tetrachloroethane
Concen: 19.980 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

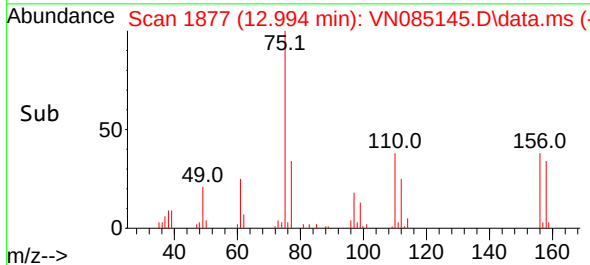
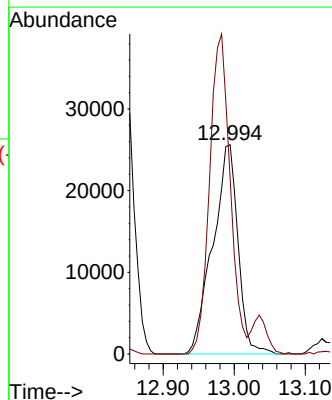
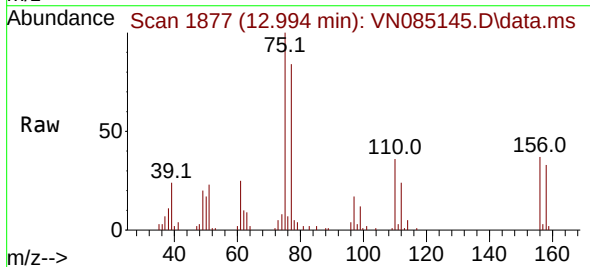
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

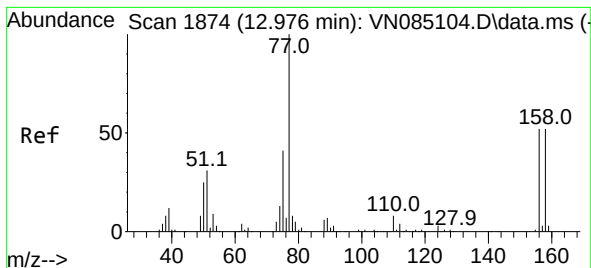
Tgt Ion: 83 Resp: 48806
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.4
85 65.7 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 34.180 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 75 Resp: 63041
Ion Ratio Lower Upper
75 100
77 124.8 109.1 327.4





#77

Bromobenzene

Concen: 19.352 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

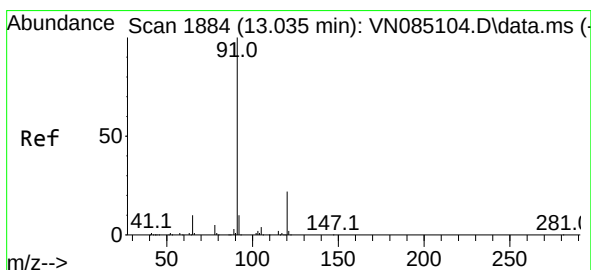
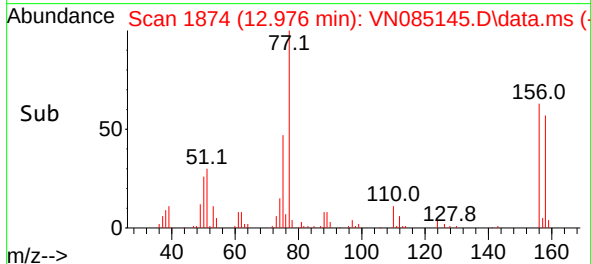
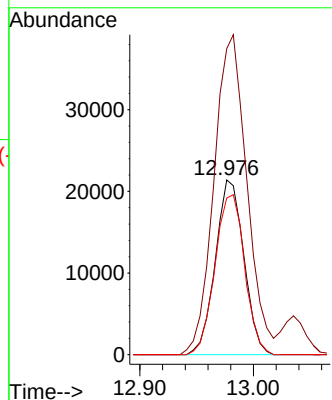
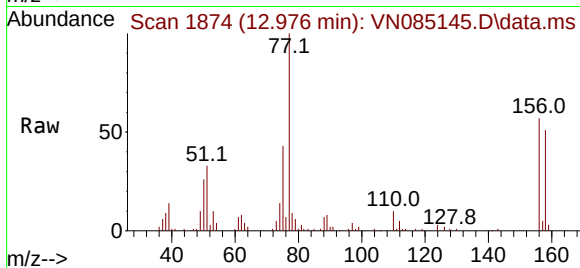
Tgt Ion:156 Resp: 37253

Ion Ratio Lower Upper

156 100

77 211.2 107.2 321.6

158 95.3 48.5 145.6



#78

n-propylbenzene

Concen: 20.509 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085145.D

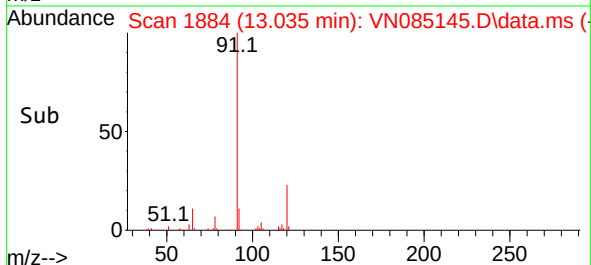
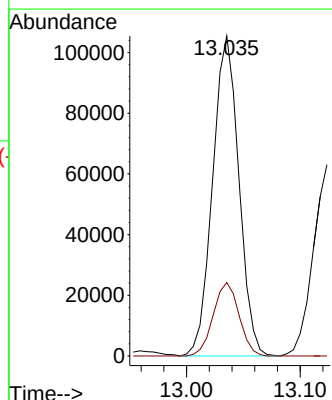
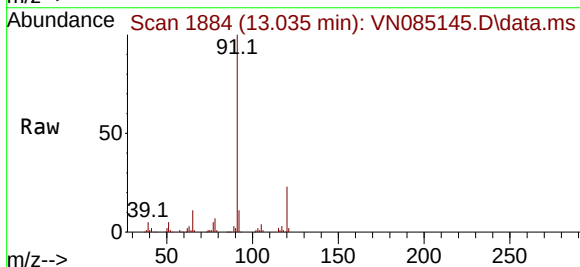
Acq: 09 Dec 2024 12:09

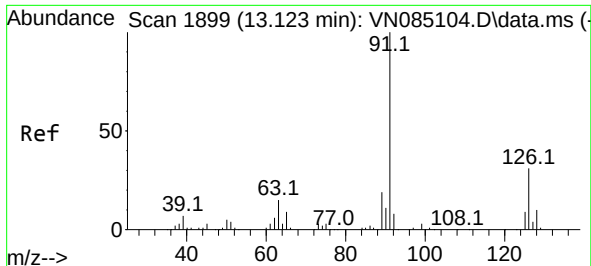
Tgt Ion: 91 Resp: 169221

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.479 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

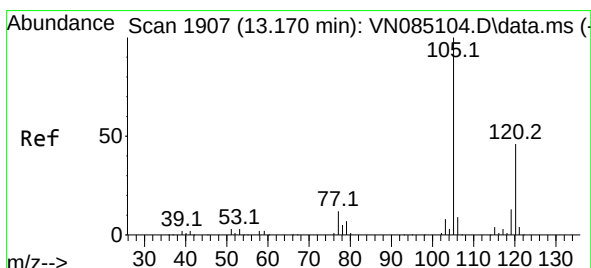
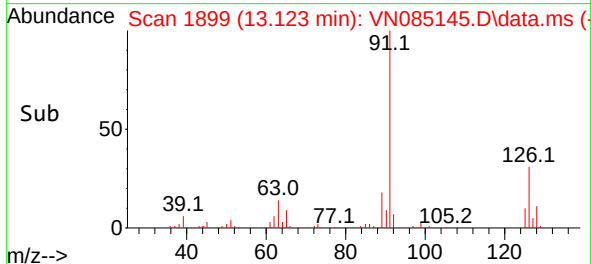
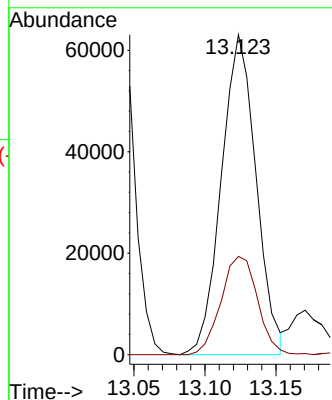
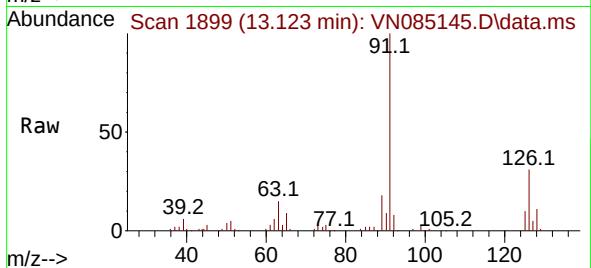
VN1209WBSD01

Tgt Ion: 91 Resp: 107288

Ion Ratio Lower Upper

91 100

126 32.3 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 20.728 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085145.D

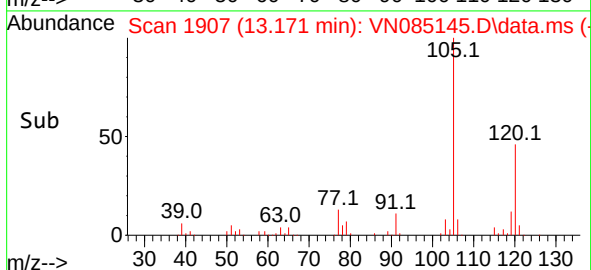
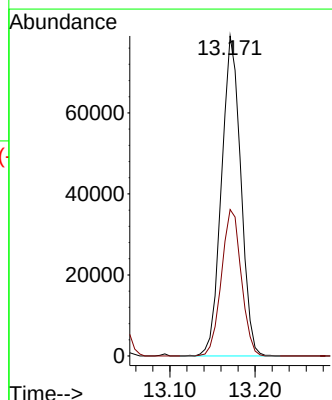
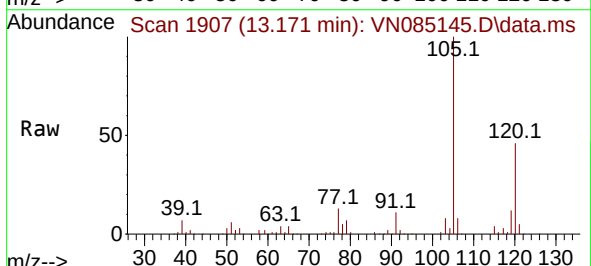
Acq: 09 Dec 2024 12:09

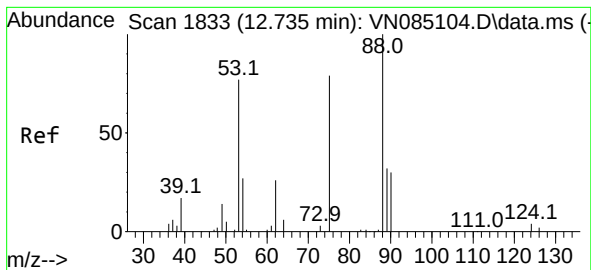
Tgt Ion:105 Resp: 124423

Ion Ratio Lower Upper

105 100

120 47.0 23.6 71.0

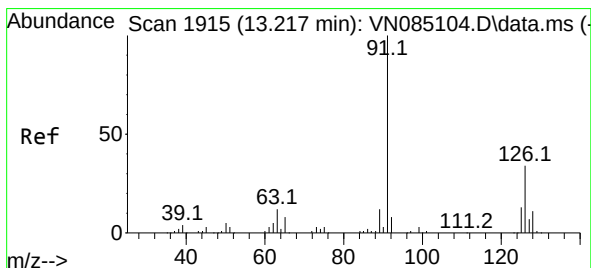
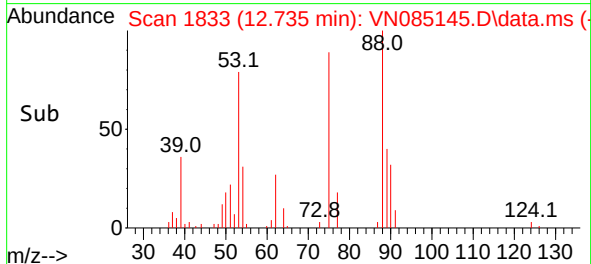
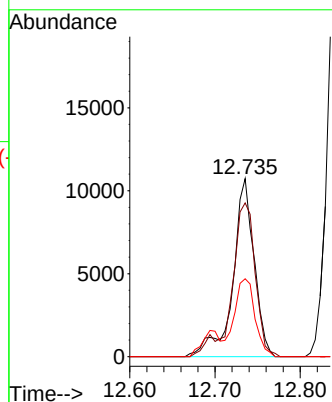
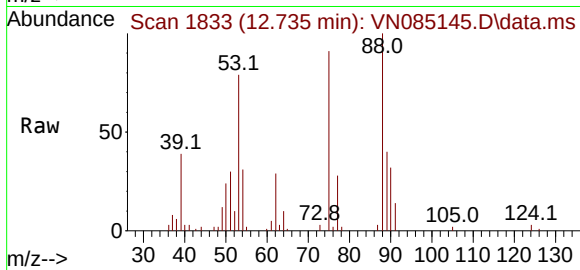




#81
trans-1,4-Dichloro-2-butene
Concen: 22.376 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

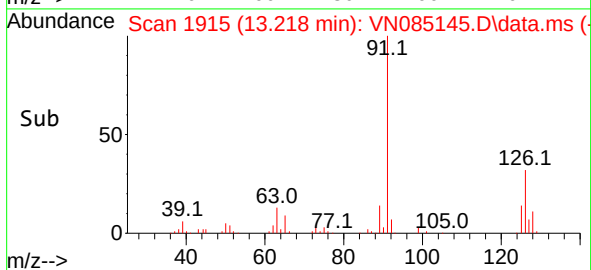
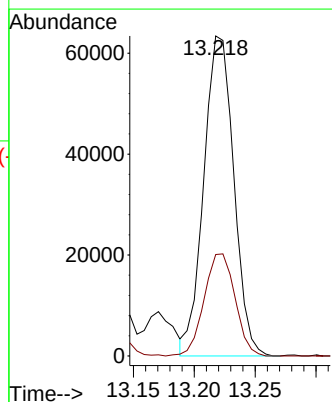
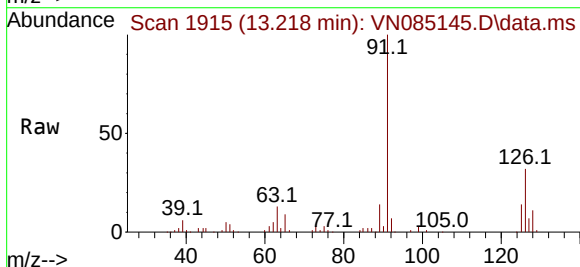
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

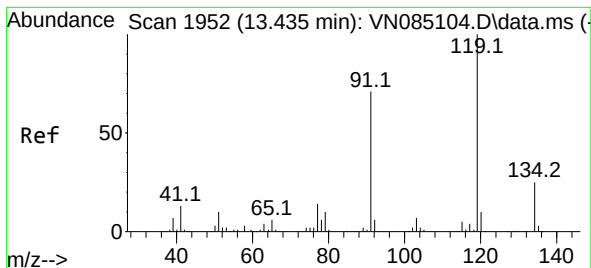
Tgt Ion: 75 Resp: 18695
Ion Ratio Lower Upper
75 100
53 87.6 78.2 117.4
89 43.2 37.9 56.9



#82
4-Chlorotoluene
Concen: 18.977 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion: 91 Resp: 108808
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3

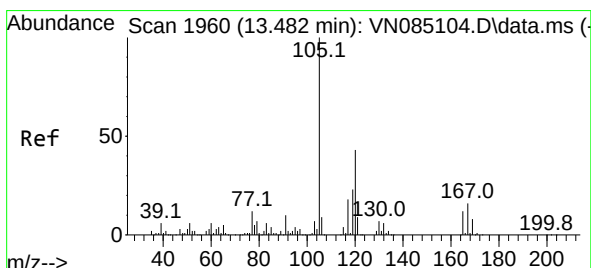
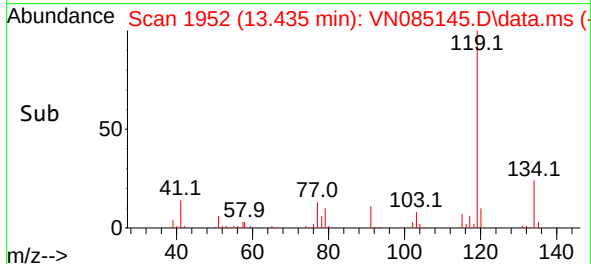
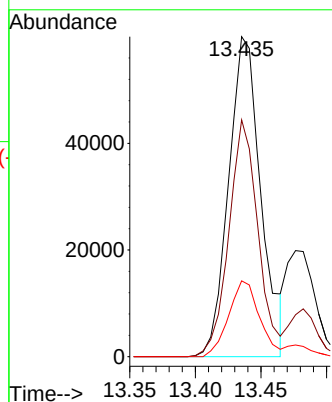
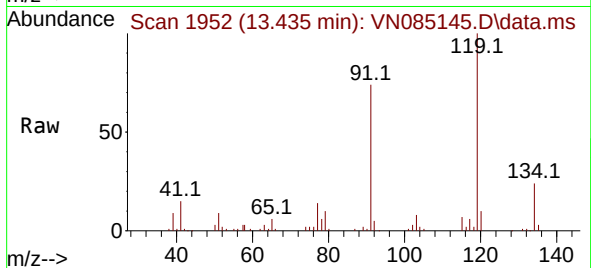




#83
tert-Butylbenzene
Concen: 19.900 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

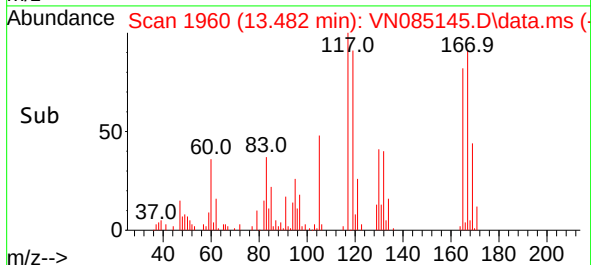
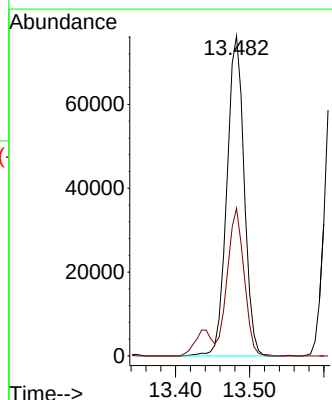
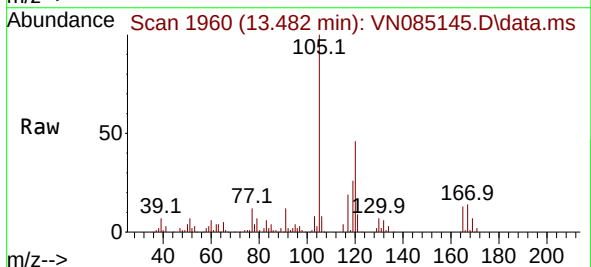
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

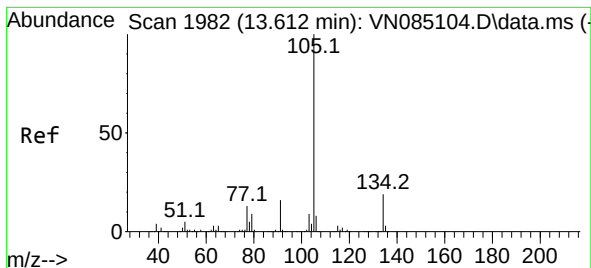
Tgt Ion:119 Resp: 102778
Ion Ratio Lower Upper
119 100
91 66.8 35.1 105.5
134 22.7 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 19.964 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:105 Resp: 123353
Ion Ratio Lower Upper
105 100
120 44.8 21.8 65.4





#85

sec-Butylbenzene

Concen: 20.061 ug/l

RT: 13.618 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

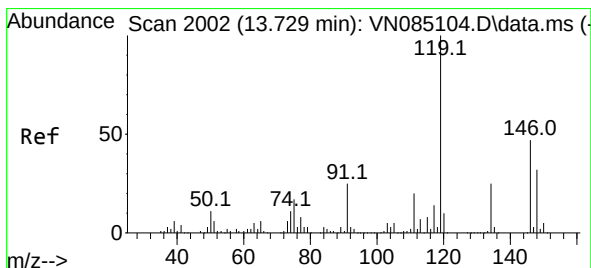
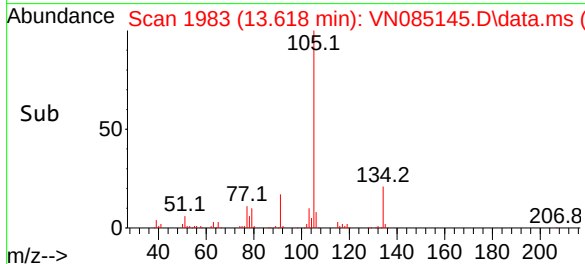
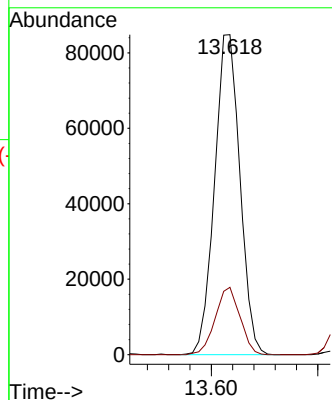
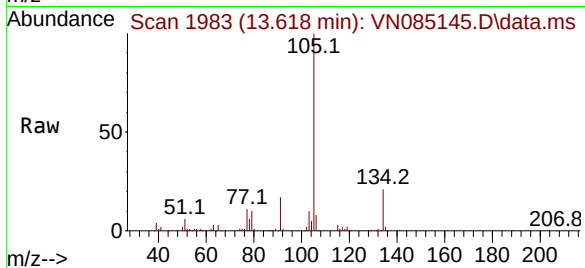
VN1209WBSD01

Tgt Ion:105 Resp: 139963

Ion Ratio Lower Upper

105 100

134 20.6 9.8 29.3



#86

p-Isopropyltoluene

Concen: 20.140 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

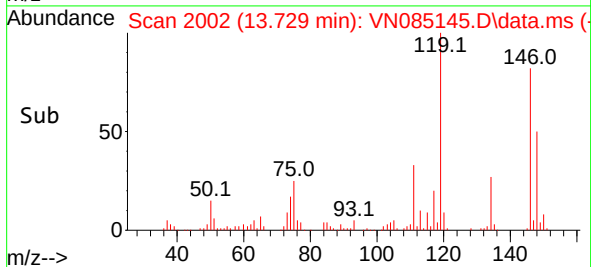
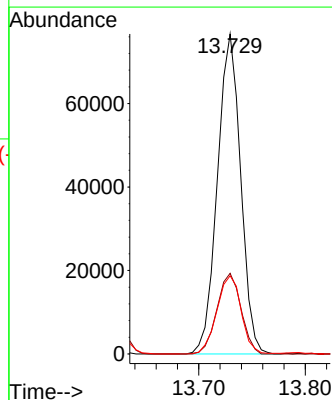
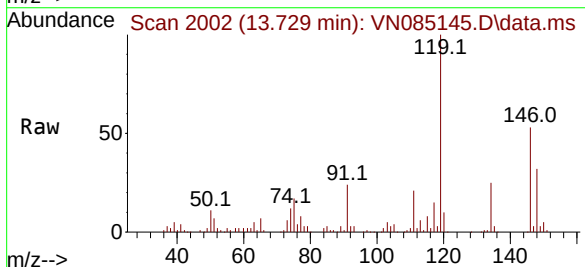
Tgt Ion:119 Resp: 115995

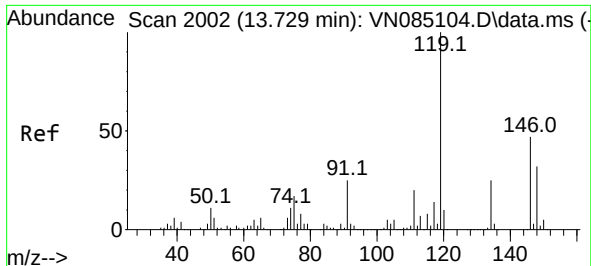
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 25.6 12.8 38.4

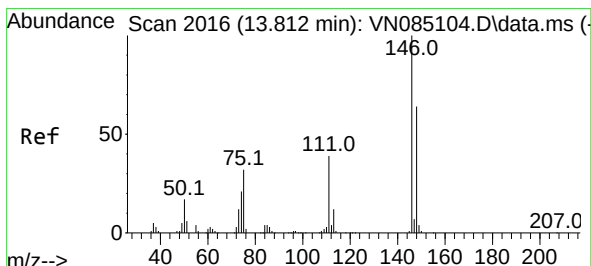
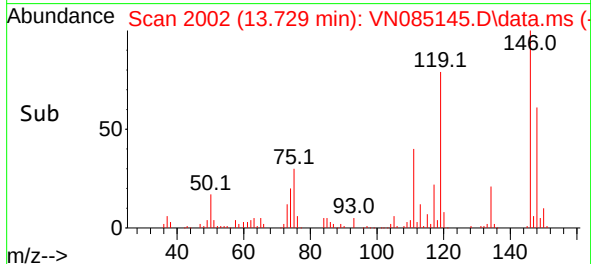
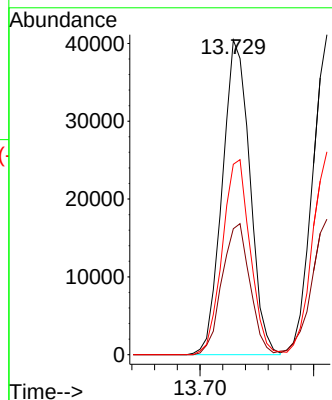
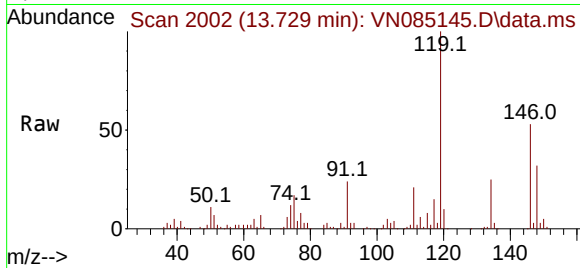




#87
 1,3-Dichlorobenzene
 Concen: 17.948 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

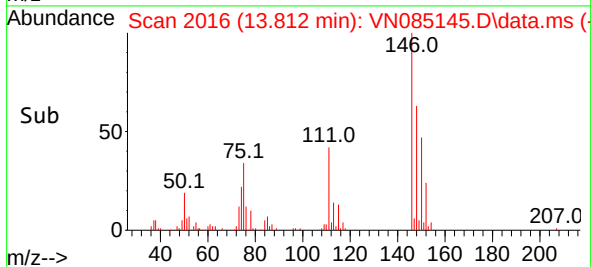
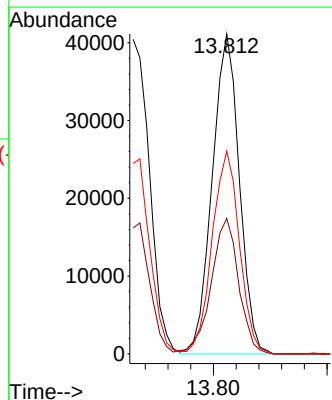
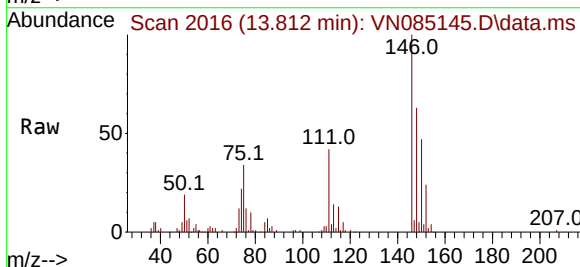
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1209WBSD01

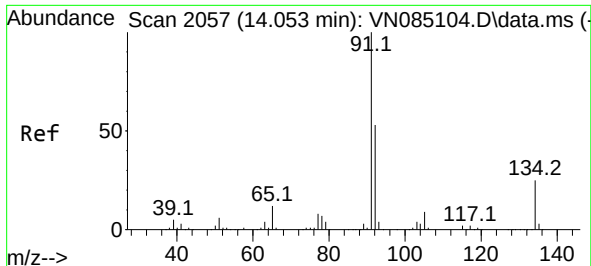
Tgt Ion:146 Resp: 68149
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.6 65.0
 148 62.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 17.582 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN085145.D
 Acq: 09 Dec 2024 12:09

Tgt Ion:146 Resp: 68126
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.9 62.8
 148 63.6 31.3 93.9

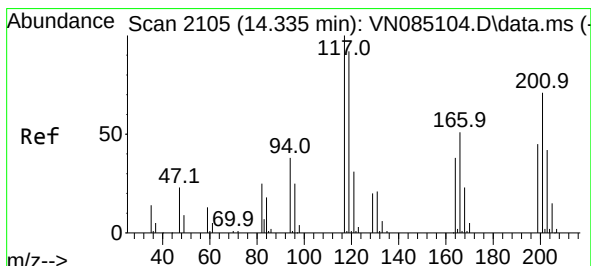
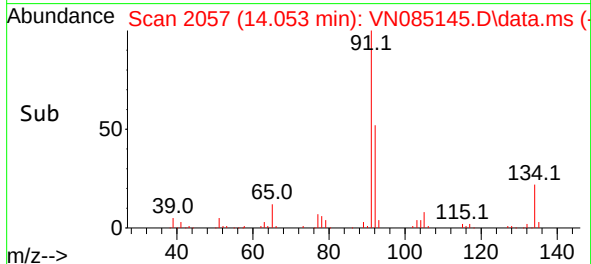
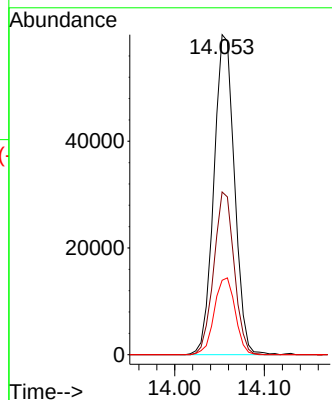
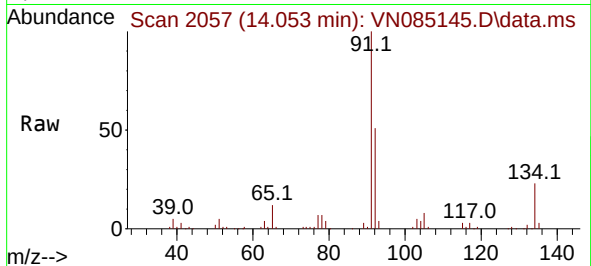




#89
n-Butylbenzene
Concen: 17.833 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

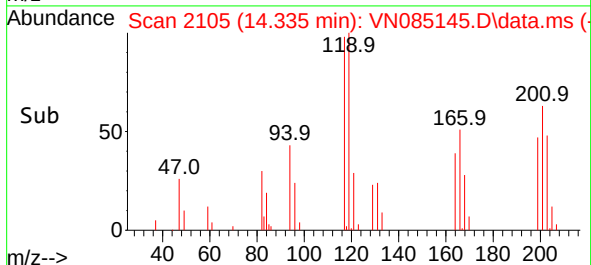
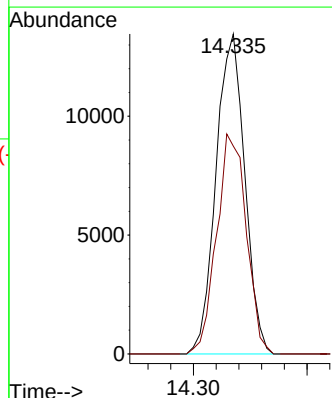
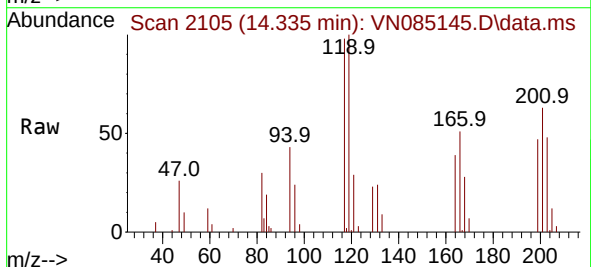
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

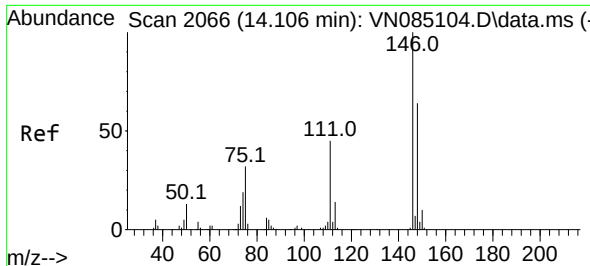
Tgt Ion:	91	Resp:	95516
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.8	80.3
134	24.4	12.8	38.4



#90
Hexachloroethane
Concen: 18.846 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:	117	Resp:	23660
Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.2	105.6





#91

1,2-Dichlorobenzene

Concen: 17.846 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

Instrument :

MSVOA_N

ClientSampleId :

VN1209WBSD01

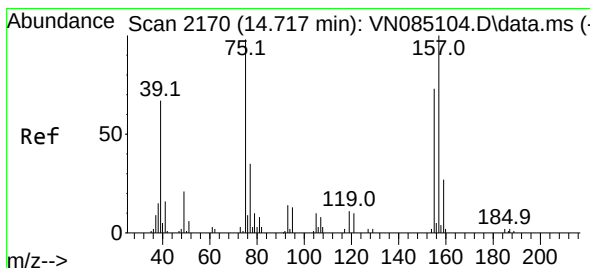
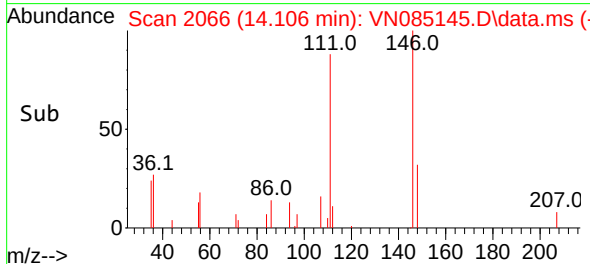
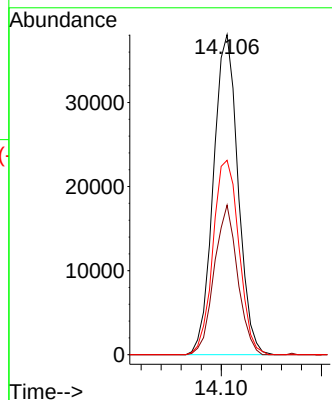
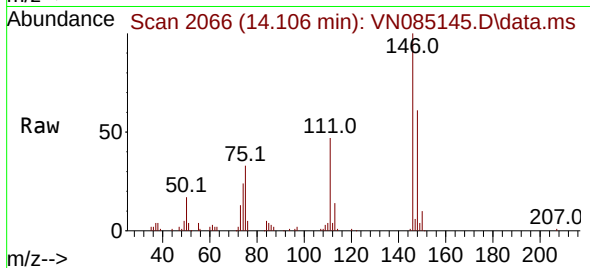
Tgt Ion:146 Resp: 64932

Ion Ratio Lower Upper

146 100

111 44.5 21.9 65.8

148 64.0 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.468 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN085145.D

Acq: 09 Dec 2024 12:09

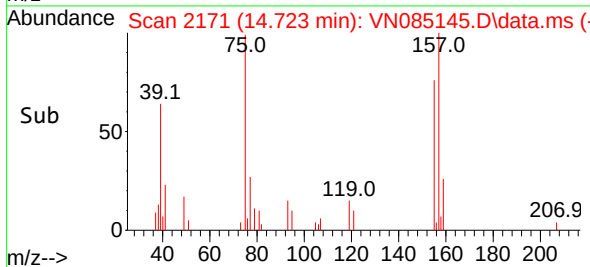
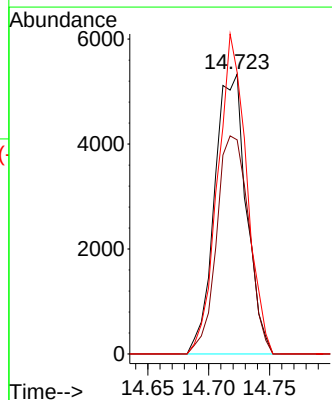
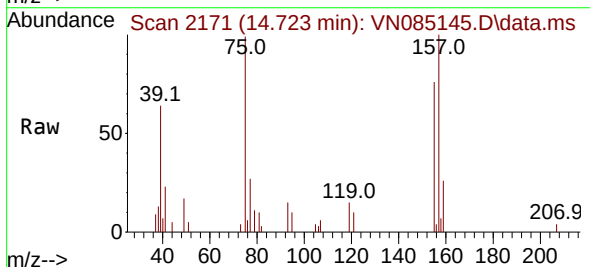
Tgt Ion: 75 Resp: 9668

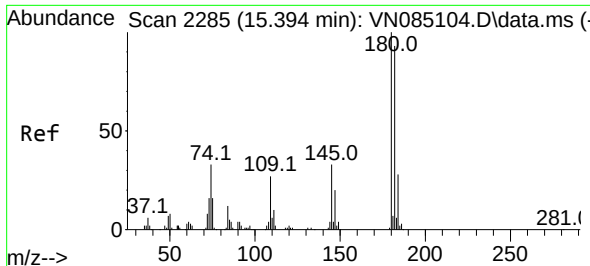
Ion Ratio Lower Upper

75 100

155 79.1 38.9 116.7

157 104.5 48.3 144.9

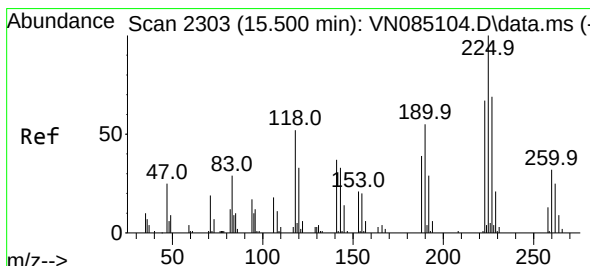
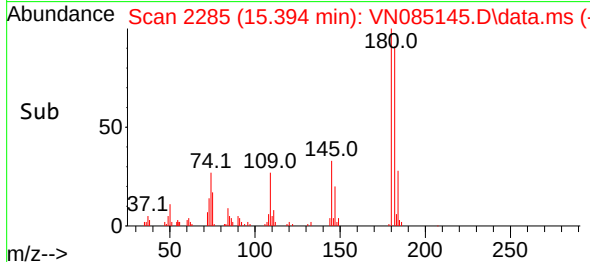
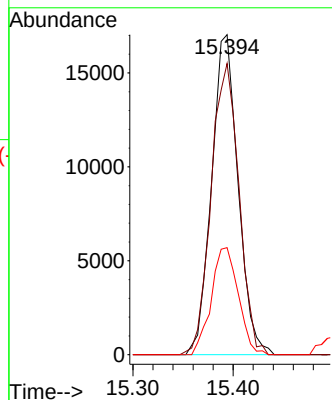
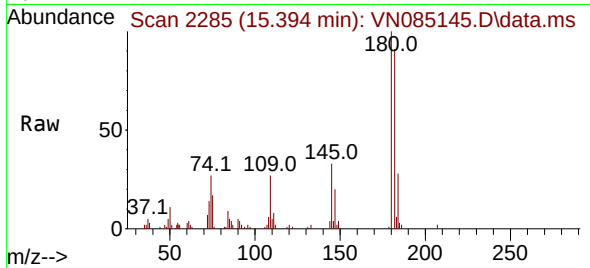




#93
1,2,4-Trichlorobenzene
Concen: 15.812 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

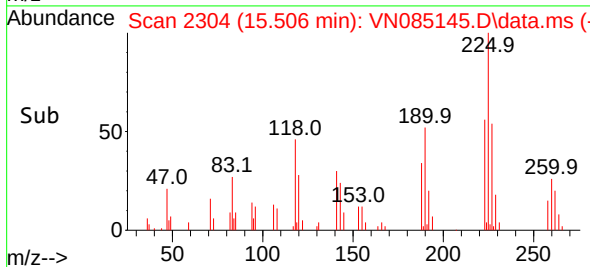
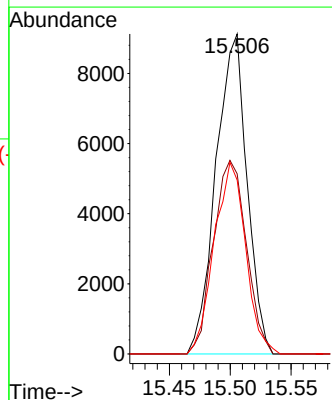
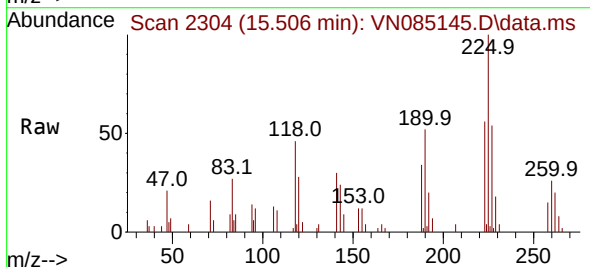
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

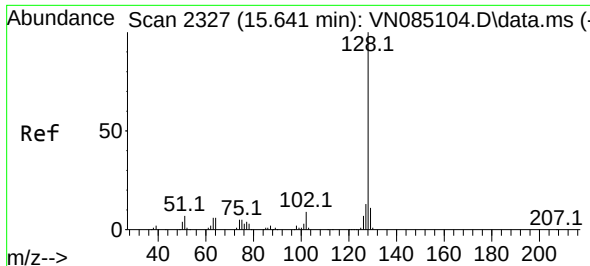
Tgt Ion:180 Resp: 31255
Ion Ratio Lower Upper
180 100
182 95.5 46.9 140.8
145 34.2 16.3 48.8



#94
Hexachlorobutadiene
Concen: 17.760 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion:225 Resp: 16202
Ion Ratio Lower Upper
225 100
223 64.3 30.9 92.8
227 60.5 31.5 94.5

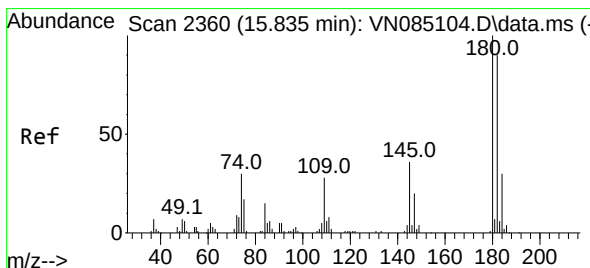
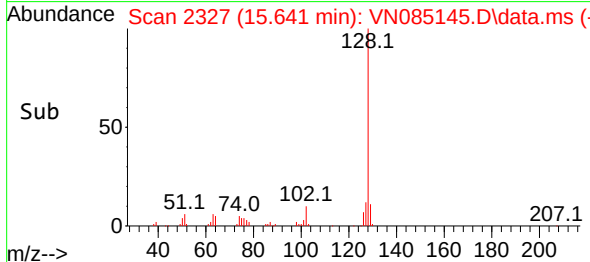
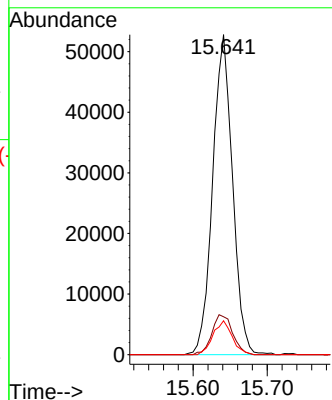
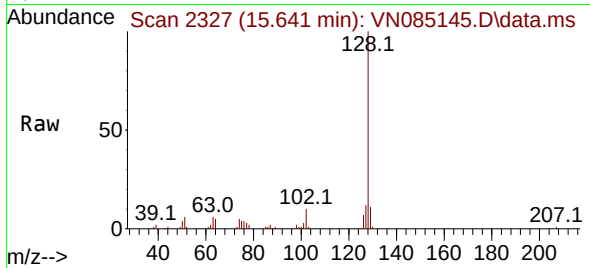




#95
Naphthalene
Concen: 17.440 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

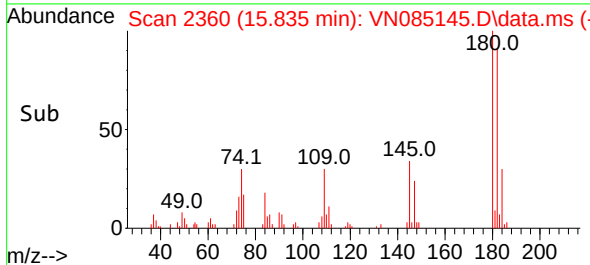
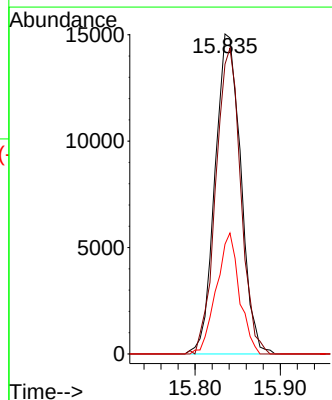
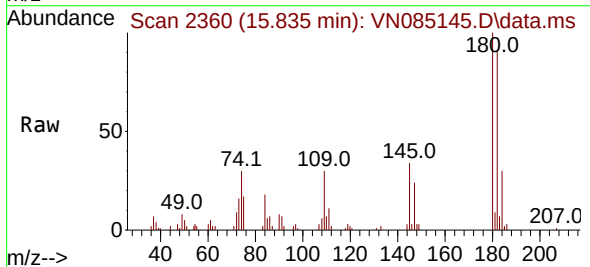
Instrument :
MSVOA_N
ClientSampleId :
VN1209WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.2	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 16.735 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085145.D
Acq: 09 Dec 2024 12:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.4	139.2
145	33.9	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	162736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119527	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118220	51.000	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.000%	
35) Dibromofluoromethane	8.165	113	95864	53.613	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.220%	
50) Toluene-d8	10.565	98	345955	53.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.980%	
62) 4-Bromofluorobenzene	12.847	95	134293	56.039	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	81627	44.359	ug/l	98
3) Chloromethane	2.359	50	90903	42.592	ug/l	94
4) Vinyl Chloride	2.512	62	93966	48.992	ug/l	95
5) Bromomethane	2.942	94	62292	57.945	ug/l	99
6) Chloroethane	3.106	64	62173	48.092	ug/l	99
7) Trichlorofluoromethane	3.489	101	174174	53.383	ug/l	98
8) Diethyl Ether	3.953	74	62482	56.265	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	101733	54.976	ug/l	98
10) Methyl Iodide	4.583	142	117965	48.159	ug/l	99
11) Tert butyl alcohol	5.524	59	101635	328.103	ug/l	97
12) 1,1-Dichloroethene	4.336	96	92960	53.819	ug/l	96
13) Acrolein	4.177	56	69168	334.634	ug/l	100
14) Allyl chloride	5.018	41	142160	48.822	ug/l	93
15) Acrylonitrile	5.718	53	263867	300.877	ug/l	99
16) Acetone	4.424	43	250348	370.827	ug/l	98
17) Carbon Disulfide	4.706	76	249632	48.964	ug/l	96
18) Methyl Acetate	5.018	43	129127	60.073	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	330945	58.641	ug/l	96
20) Methylene Chloride	5.271	84	109418	53.113	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	98207	54.029	ug/l	95
22) Diisopropyl ether	6.671	45	327105	55.815	ug/l	98
23) Vinyl Acetate	6.600	43	1235181	305.508	ug/l	100
24) 1,1-Dichloroethane	6.565	63	192887	54.999	ug/l	99
25) 2-Butanone	7.483	43	356129	322.655	ug/l	98
26) 2,2-Dichloropropane	7.494	77	179376	54.775	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	123370	56.300	ug/l	99
28) Bromochloromethane	7.812	49	57402	43.360	ug/l	93
29) Tetrahydrofuran	7.841	42	223283	325.304	ug/l	100
30) Chloroform	7.965	83	206502	55.353	ug/l	98
31) Cyclohexane	8.253	56	155530	50.369	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	186189	55.230	ug/l	98
36) 1,1-Dichloropropene	8.371	75	139304	57.518	ug/l	99
37) Ethyl Acetate	7.559	43	138225	62.778	ug/l	99
38) Carbon Tetrachloride	8.359	117	166889	59.696	ug/l	99
39) Methylcyclohexane	9.600	83	153471	60.980	ug/l	97
40) Benzene	8.606	78	426932	55.734	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085153.D
 Acq On : 09 Dec 2024 16:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	74288	60.938	ug/l	97
42) 1,2-Dichloroethane	8.671	62	156285	59.637	ug/l	100
43) Isopropyl Acetate	8.688	43	273688	59.842	ug/l	96
44) Trichloroethene	9.353	130	103598	58.195	ug/l	93
45) 1,2-Dichloropropane	9.618	63	108197	57.347	ug/l	94
46) Dibromomethane	9.706	93	78342	59.757	ug/l	99
47) Bromodichloromethane	9.882	83	167432	60.258	ug/l	99
48) Methyl methacrylate	9.677	41	115253	67.720	ug/l	97
49) 1,4-Dioxane	9.694	88	43006	1457.126	ug/l #	94
51) 4-Methyl-2-Pentanone	10.441	43	725499	347.299	ug/l	99
52) Toluene	10.629	92	277164	61.119	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	170255	61.118	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	180164	60.963	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	103873	61.496	ug/l	98
56) Ethyl methacrylate	10.871	69	174001	70.497	ug/l	98
57) 1,3-Dichloropropane	11.159	76	177618	59.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340202	280.990	ug/l	98
59) 2-Hexanone	11.194	43	549363	351.625	ug/l	100
60) Dibromochloromethane	11.359	129	128913	62.448	ug/l	100
61) 1,2-Dibromoethane	11.471	107	108774	62.224	ug/l	99
64) Tetrachloroethene	11.100	164	90824	58.408	ug/l	98
65) Chlorobenzene	11.888	112	304940	58.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	114186	61.967	ug/l	98
67) Ethyl Benzene	11.965	91	537789	63.337	ug/l	98
68) m/p-Xylenes	12.070	106	413021	127.766	ug/l	100
69) o-Xylene	12.400	106	198117	64.428	ug/l	99
70) Styrene	12.412	104	347132	67.883	ug/l	99
71) Bromoform	12.576	173	92080	67.320	ug/l #	99
73) Isopropylbenzene	12.694	105	512549	60.785	ug/l	99
74) N-amyl acetate	12.494	43	219231	63.094	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	152365	52.916	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	204062	93.860	ug/l	46
77) Bromobenzene	12.982	156	126211	55.620	ug/l	100
78) n-propylbenzene	13.035	91	610311	62.752	ug/l	100
79) 2-Chlorotoluene	13.123	91	371546	57.227	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	444282	62.790	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	59423	60.338	ug/l	95
82) 4-Chlorotoluene	13.217	91	380936	56.362	ug/l	100
83) tert-Butylbenzene	13.435	119	360851	59.272	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	446674	61.328	ug/l	99
85) sec-Butylbenzene	13.617	105	515573	62.691	ug/l	100
86) p-Isopropyltoluene	13.729	119	441406	65.018	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232182	51.875	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	232095	50.815	ug/l	98
89) n-Butylbenzene	14.053	91	375765	59.518	ug/l	99
90) Hexachloroethane	14.329	117	85765	57.956	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	216336	50.441	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31099	55.854	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	112793	48.409	ug/l	98
94) Hexachlorobutadiene	15.500	225	54475	50.659	ug/l	98
95) Naphthalene	15.641	128	357684	53.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111098	49.972	ug/l	98

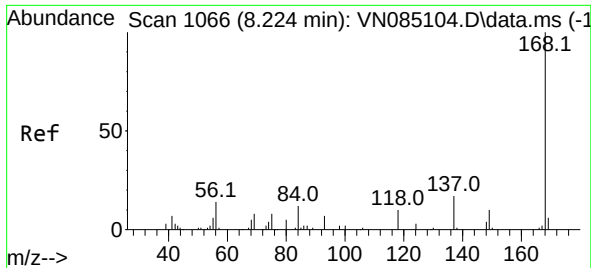
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Data File : VN085153.D
Acq On : 09 Dec 2024 16:14
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 10 05:02:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

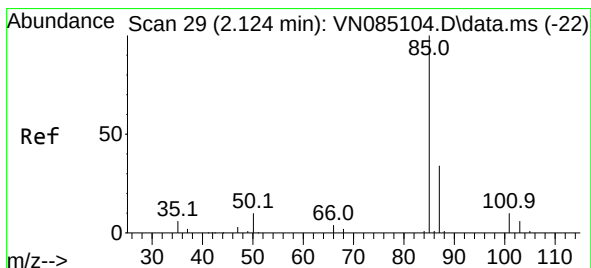
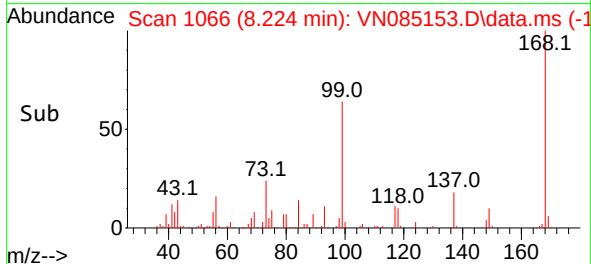
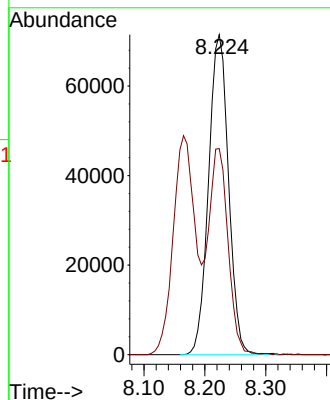
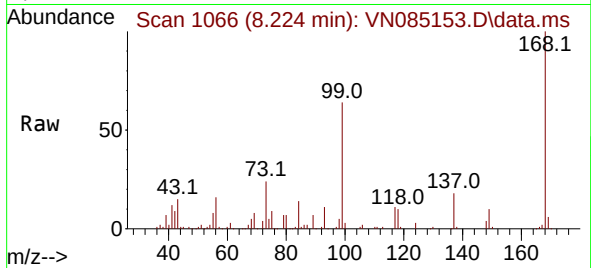
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

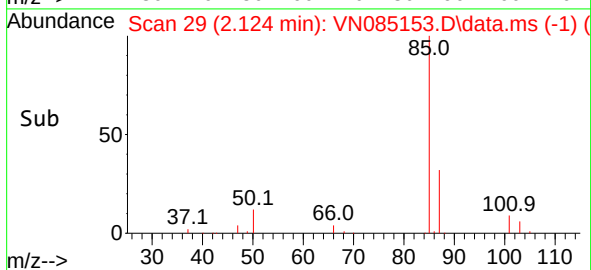
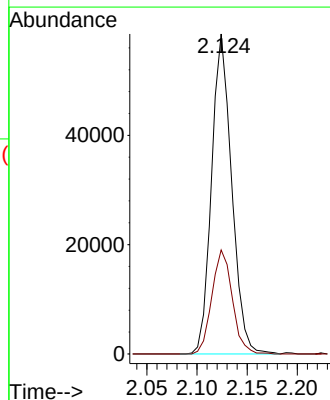
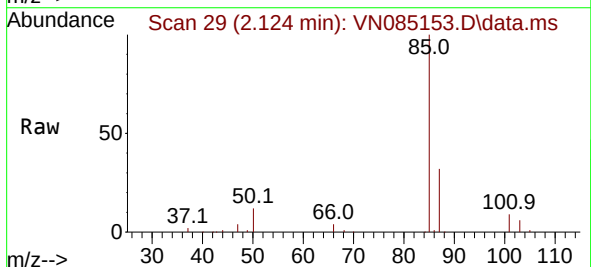
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

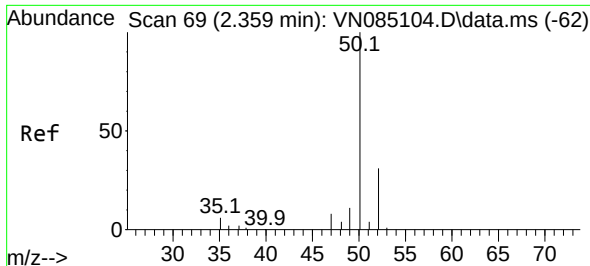
Tgt Ion:168 Resp: 162736
Ion Ratio Lower Upper
168 100
99 64.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 44.359 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 85 Resp: 81627
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1

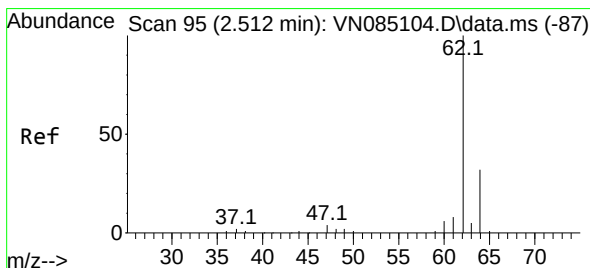
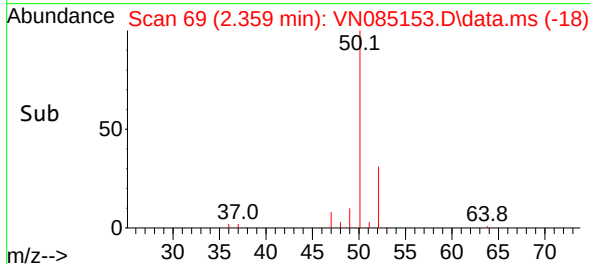
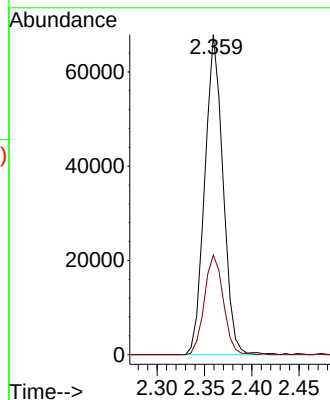
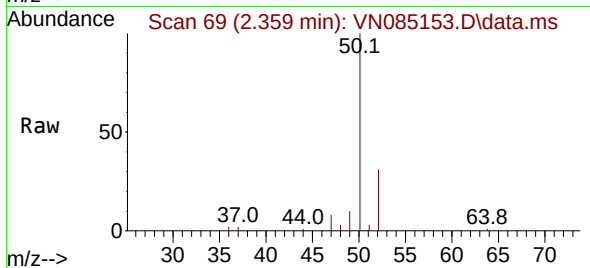




#3
Chloromethane
Concen: 42.592 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

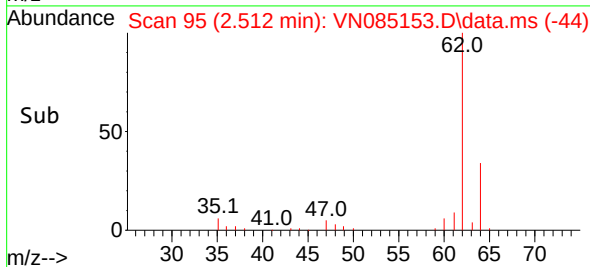
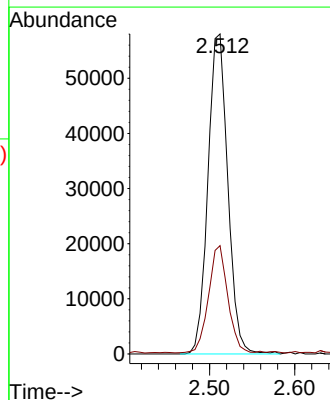
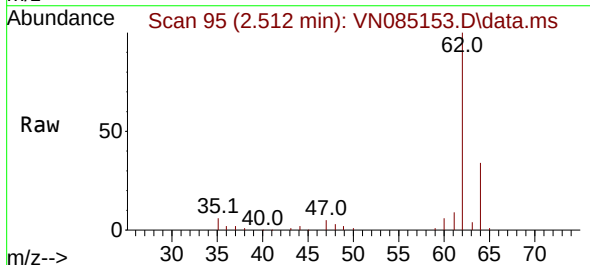
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

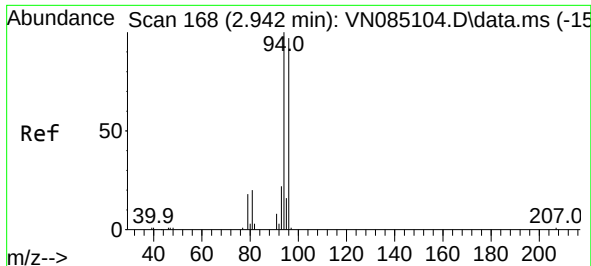
Tgt Ion: 50 Resp: 90903
Ion Ratio Lower Upper
50 100
52 31.1 27.8 41.8



#4
Vinyl Chloride
Concen: 48.992 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 93966
Ion Ratio Lower Upper
62 100
64 33.4 24.6 36.8

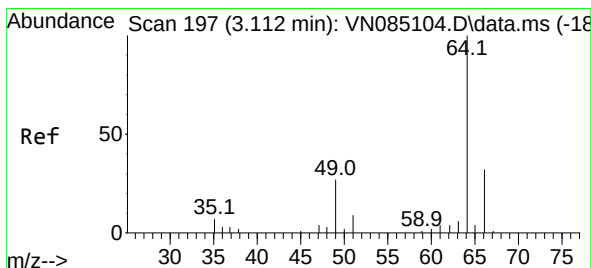
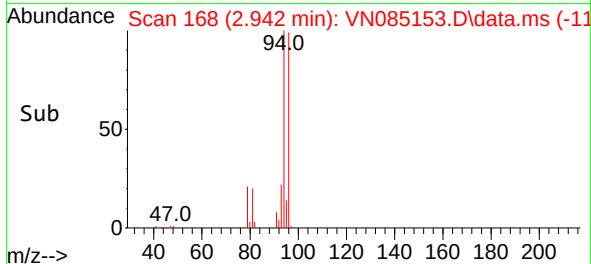
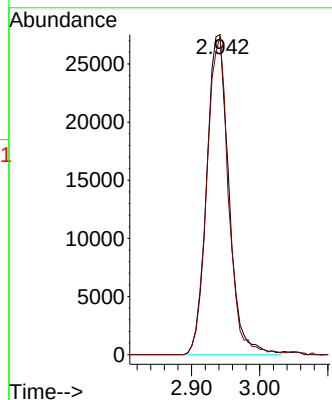
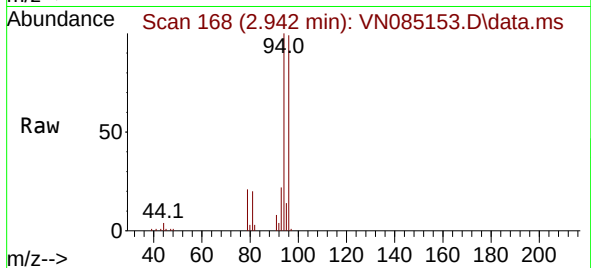




#5
Bromomethane
Concen: 57.945 ug/l
RT: 2.942 min Scan# 1
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

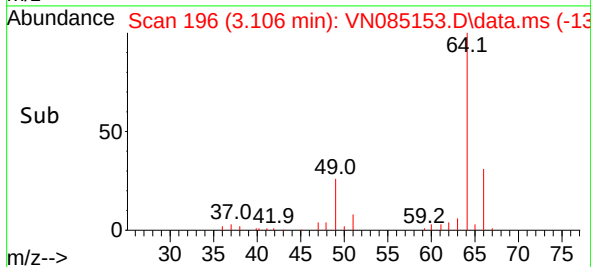
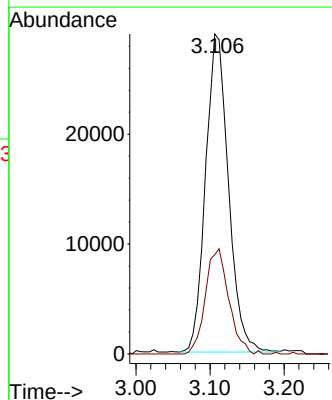
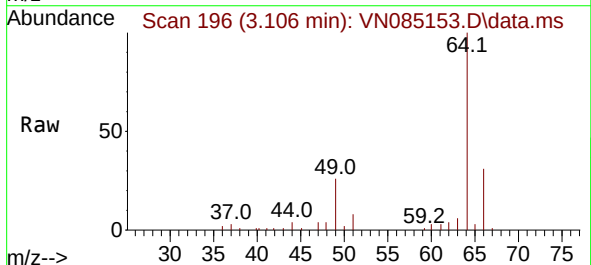
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

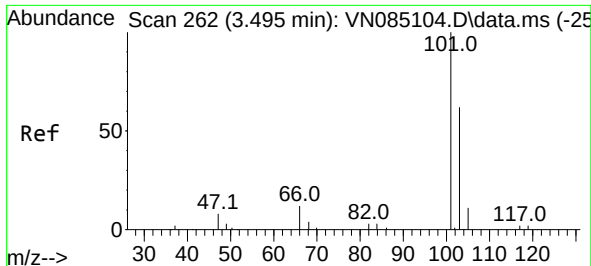
Tgt Ion: 94 Resp: 62292
Ion Ratio Lower Upper
94 100
96 99.2 78.7 118.1



#6
Chloroethane
Concen: 48.092 ug/l
RT: 3.106 min Scan# 196
Delta R.T. 0.041 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 64 Resp: 62173
Ion Ratio Lower Upper
64 100
66 31.2 24.4 36.6

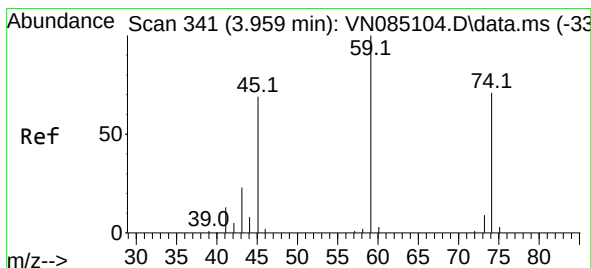
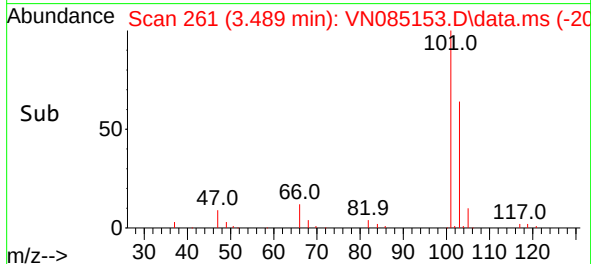
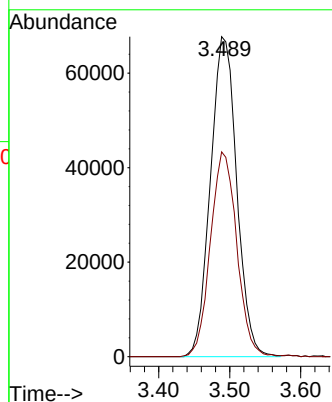
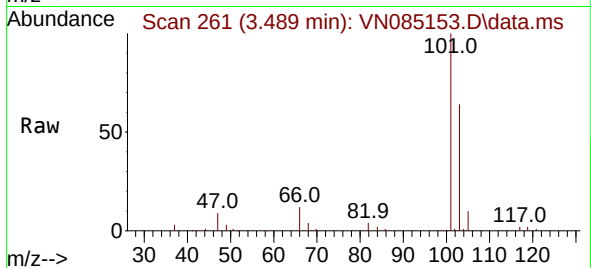




#7
Trichlorofluoromethane
Concen: 53.383 ug/l
RT: 3.489 min Scan# 20
Delta R.T. 0.029 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

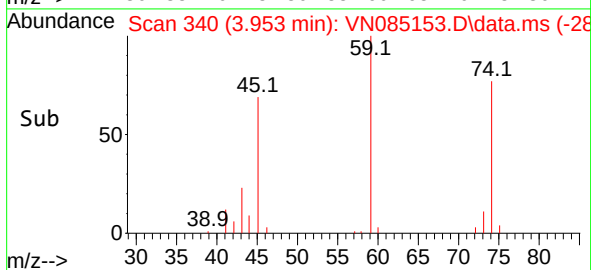
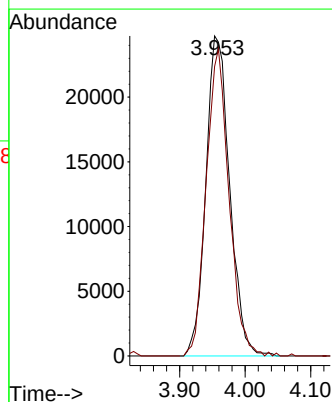
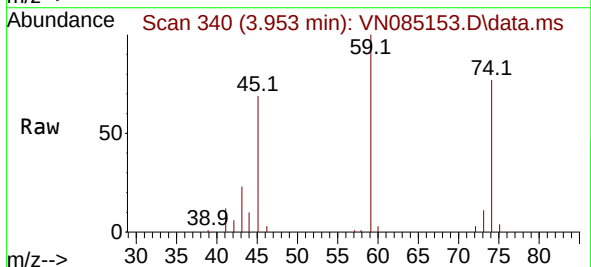
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

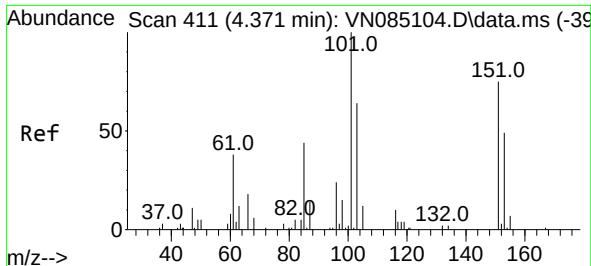
Tgt Ion:101 Resp: 174174
Ion Ratio Lower Upper
101 100
103 64.0 52.6 78.8



#8
Diethyl Ether
Concen: 56.265 ug/l
RT: 3.953 min Scan# 340
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 74 Resp: 62482
Ion Ratio Lower Upper
74 100
45 91.8 46.7 140.1

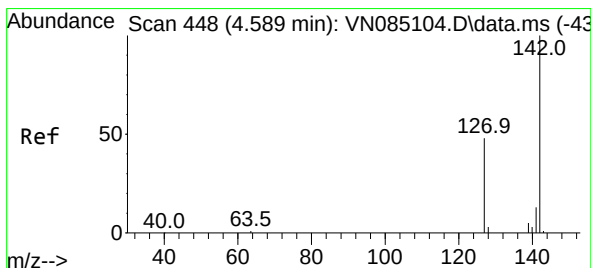
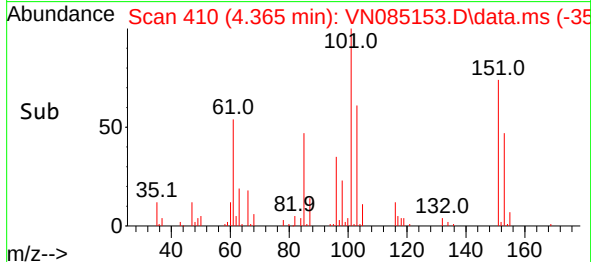
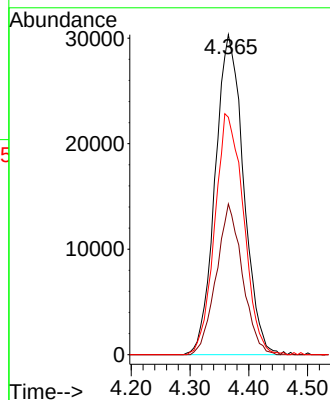
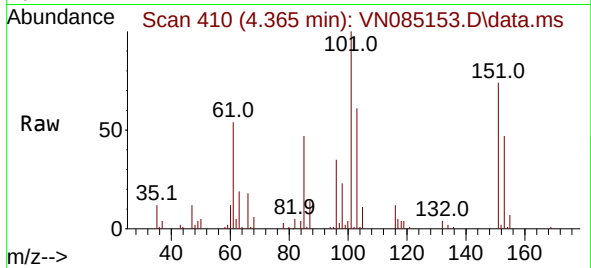




#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.976 ug/l
RT: 4.365 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

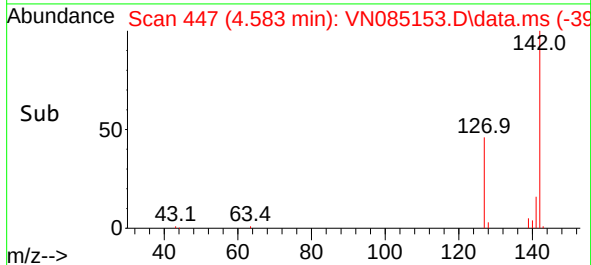
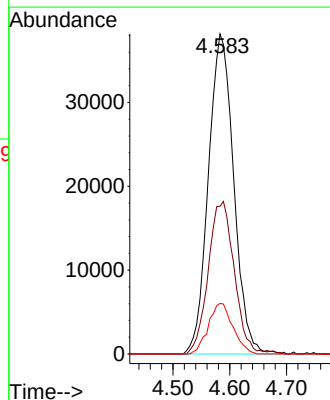
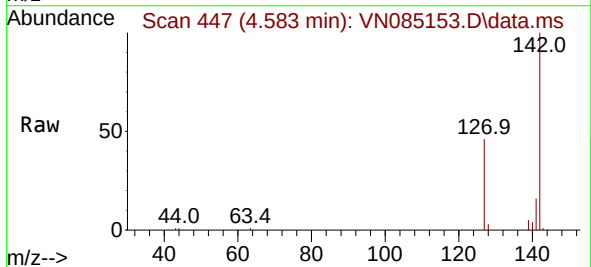
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

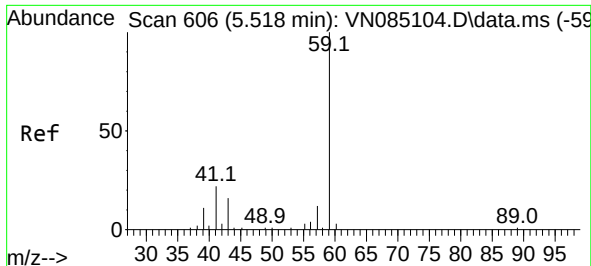
Tgt Ion:101 Resp: 101733
Ion Ratio Lower Upper
101 100
85 43.6 36.9 55.3
151 76.4 60.8 91.2



#10
Methyl Iodide
Concen: 48.159 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:142 Resp: 117965
Ion Ratio Lower Upper
142 100
127 46.2 36.6 54.8
141 15.8 12.2 18.4

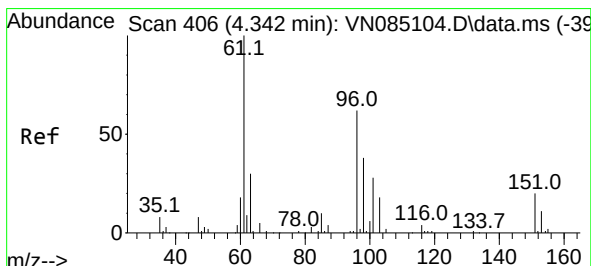
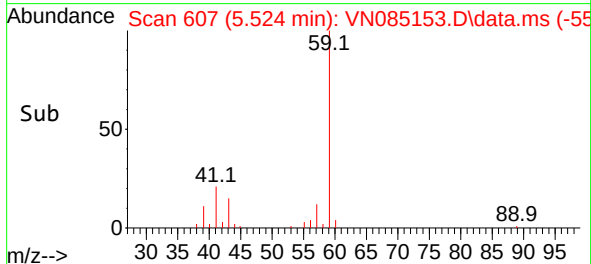
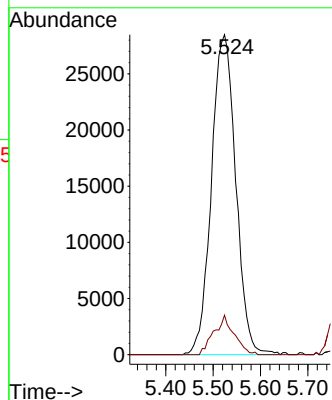
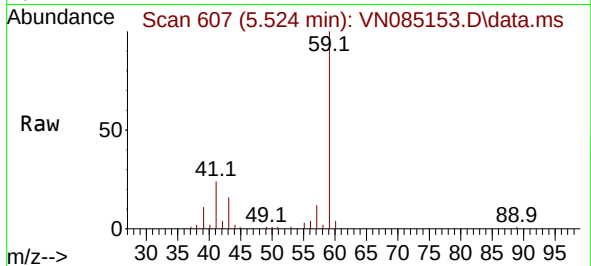




#11
Tert butyl alcohol
Concen: 328.103 ug/l
RT: 5.524 min Scan# 606
Delta R.T. -0.018 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

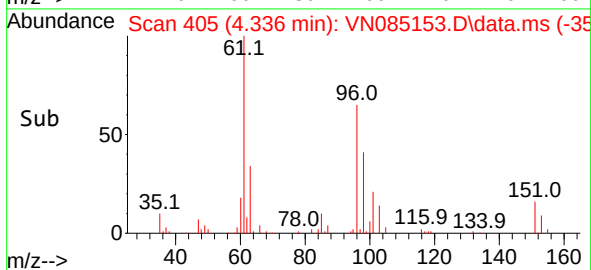
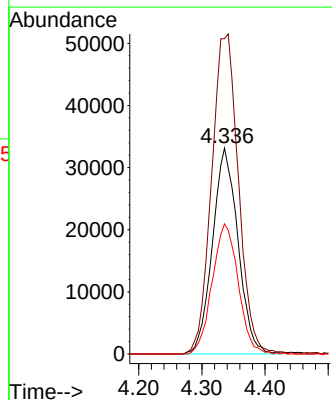
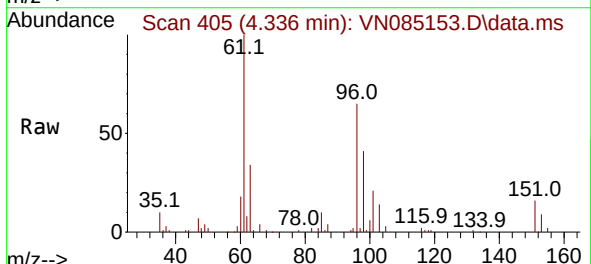
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

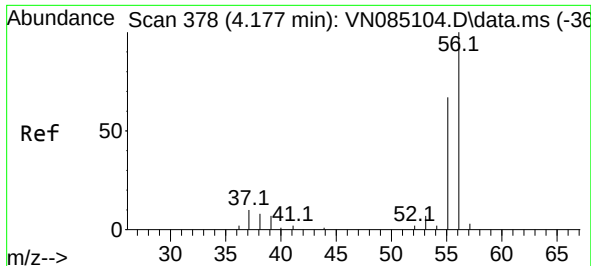
Tgt Ion: 59 Resp: 101635
Ion Ratio Lower Upper
59 100
57 10.2 7.4 11.0



#12
1,1-Dichloroethene
Concen: 53.819 ug/l
RT: 4.336 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 96 Resp: 92960
Ion Ratio Lower Upper
96 100
61 153.1 127.8 191.8
98 63.2 49.2 73.8

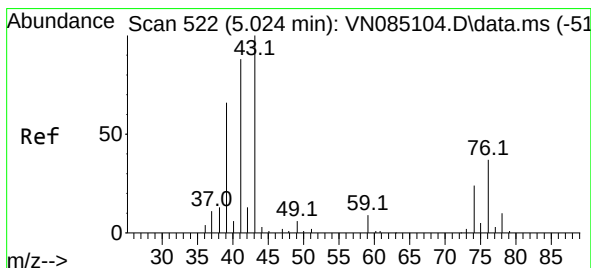
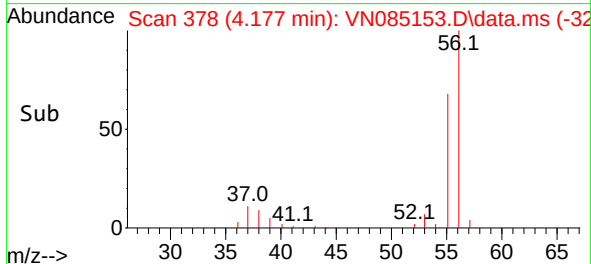
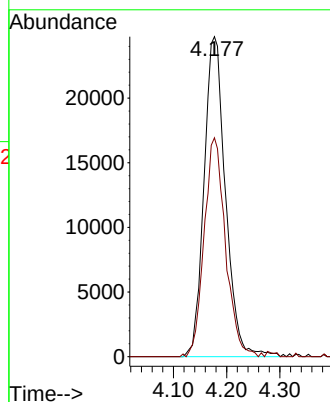
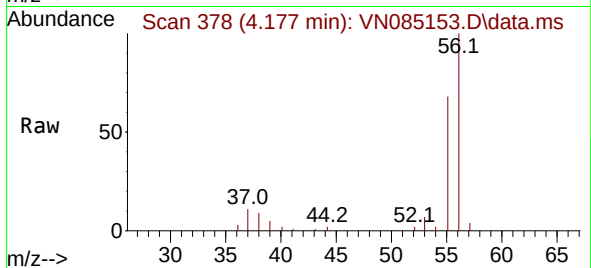




#13
Acrolein
Concen: 334.634 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

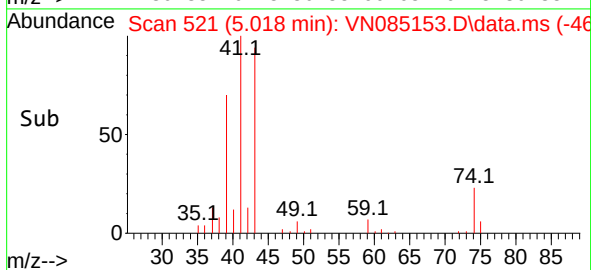
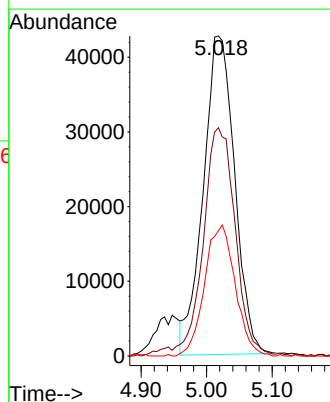
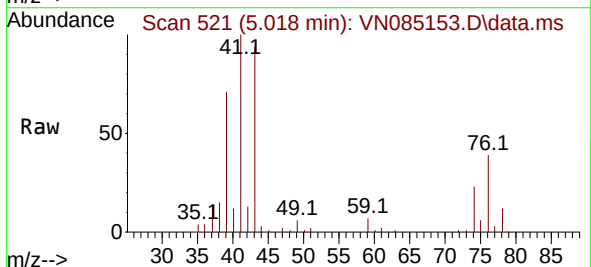
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

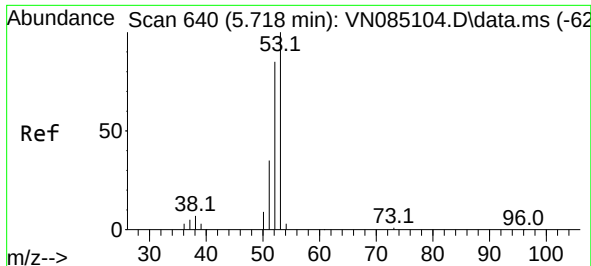
Tgt Ion: 56 Resp: 69168
Ion Ratio Lower Upper
56 100
55 68.1 54.5 81.7



#14
Allyl chloride
Concen: 48.822 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 142160
Ion Ratio Lower Upper
41 100
39 73.9 53.8 80.8
76 40.0 29.3 43.9



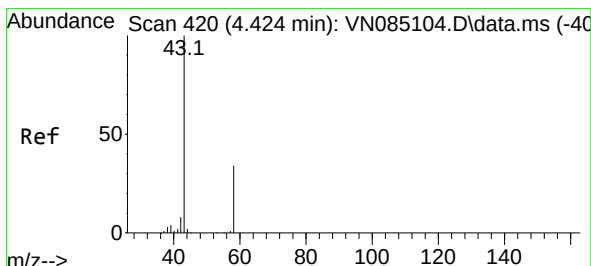
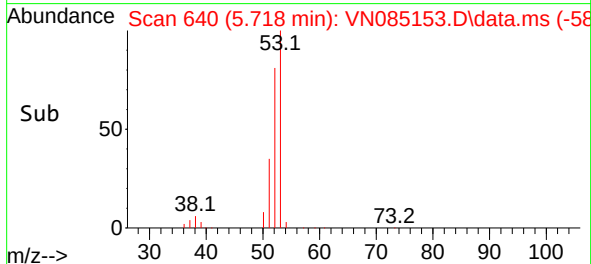
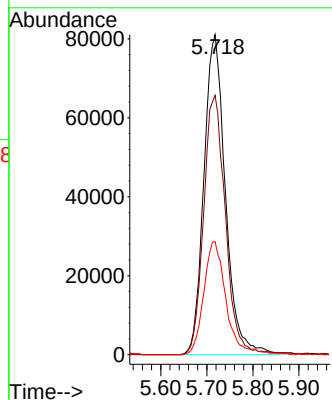
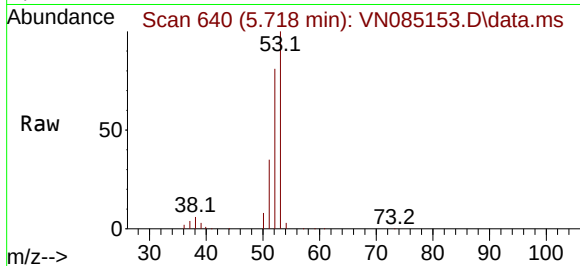


#15
Acrylonitrile
Concen: 300.877 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 263867

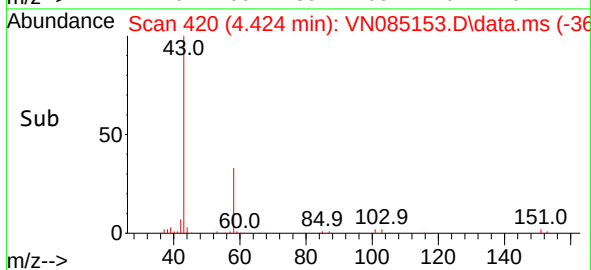
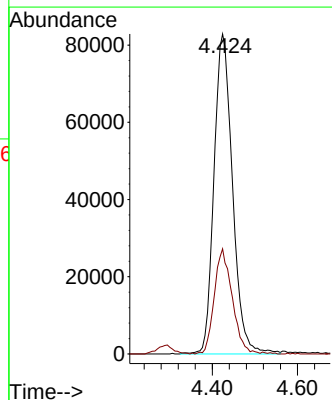
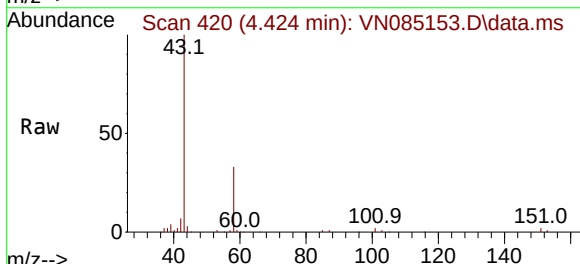
Ion	Ratio	Lower	Upper
53	100		
52	82.4	65.5	98.3
51	36.3	28.4	42.6

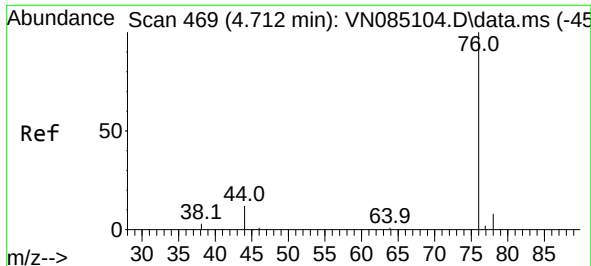


#16
Acetone
Concen: 370.827 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 250348

Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.4	38.2

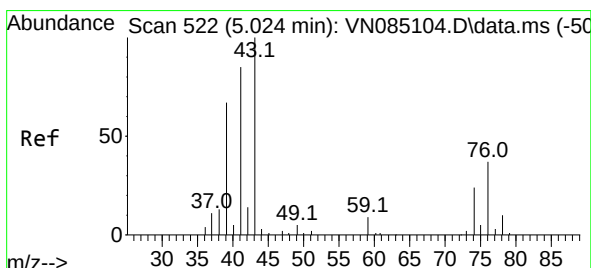
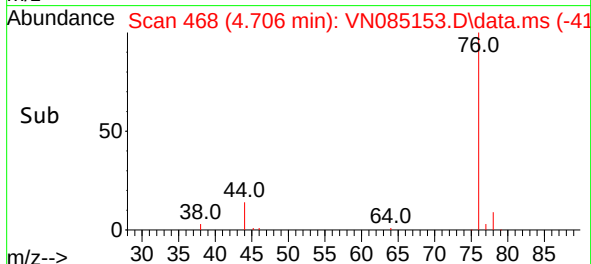
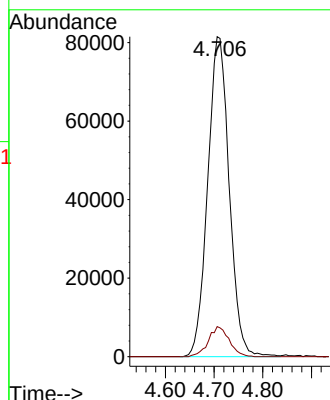
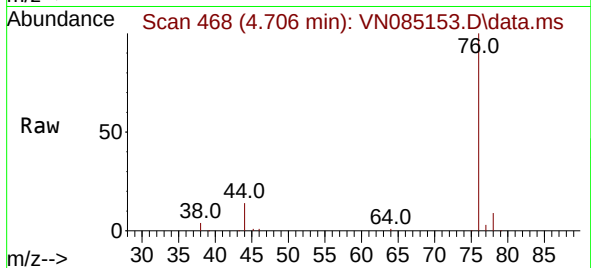




#17
Carbon Disulfide
Concen: 48.964 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

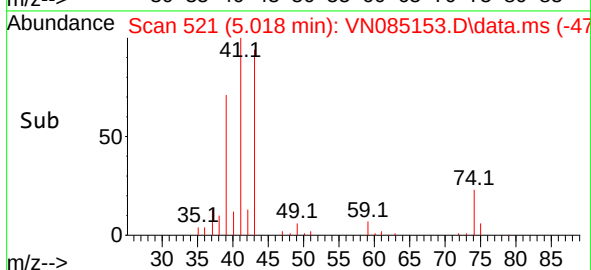
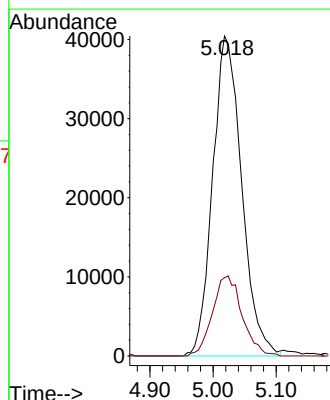
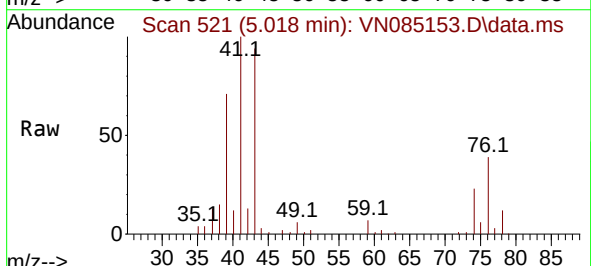
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

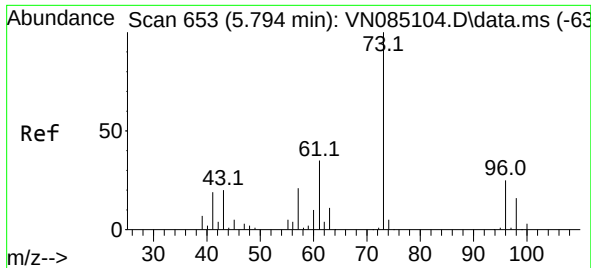
Tgt Ion: 76 Resp: 249632
Ion Ratio Lower Upper
76 100
78 9.4 6.5 9.7



#18
Methyl Acetate
Concen: 60.073 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 129127
Ion Ratio Lower Upper
43 100
74 25.5 20.1 30.1

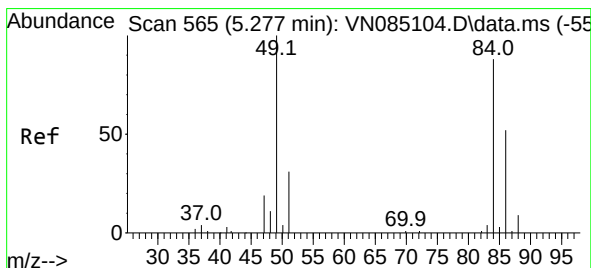
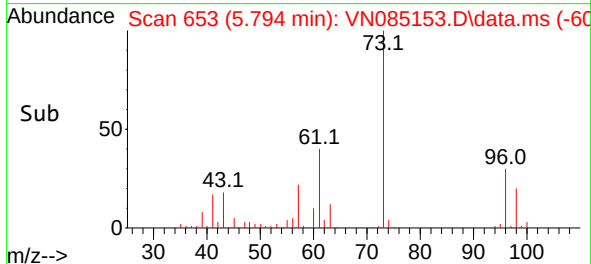
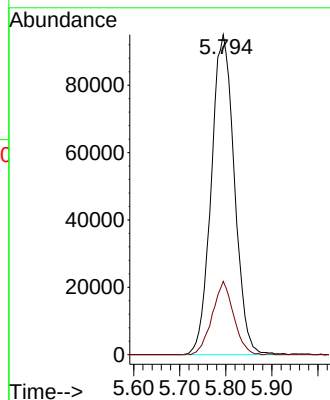
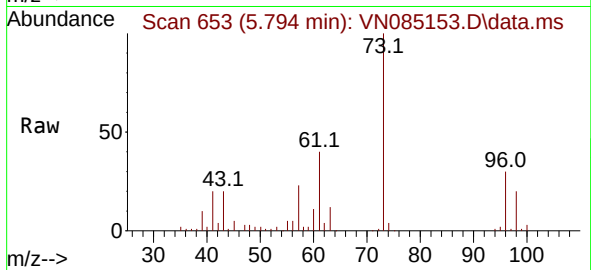




#19
Methyl tert-butyl Ether
Concen: 58.641 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

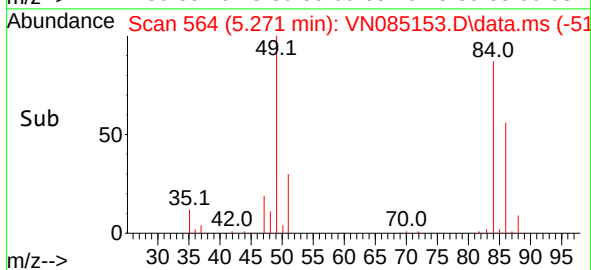
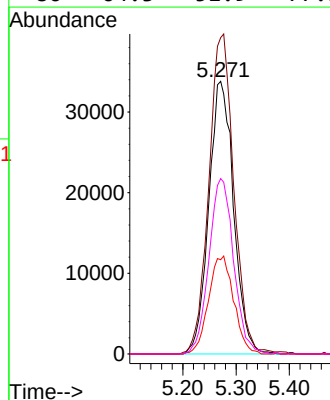
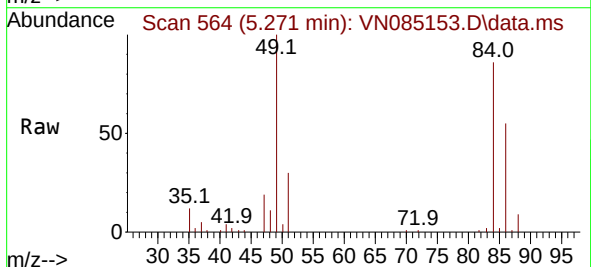
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

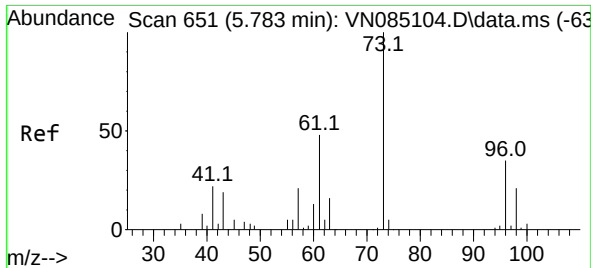
Tgt Ion: 73 Resp: 330945
Ion Ratio Lower Upper
73 100
57 22.9 17.0 25.4



#20
Methylene Chloride
Concen: 53.113 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 84 Resp: 109418
Ion Ratio Lower Upper
84 100
49 116.0 92.7 139.1
51 34.6 29.4 44.2
86 64.3 51.9 77.9

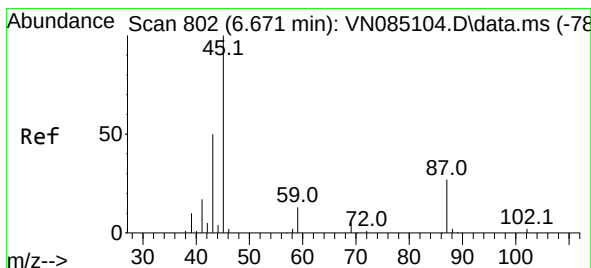
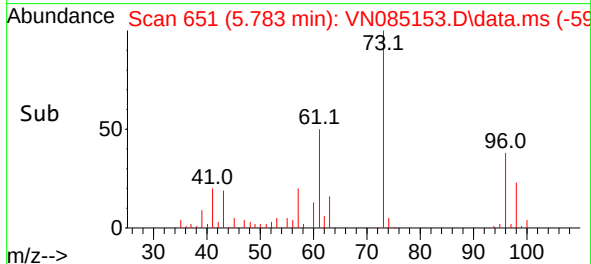
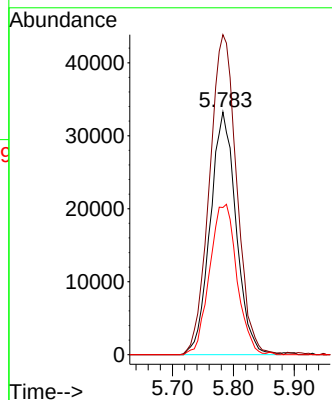
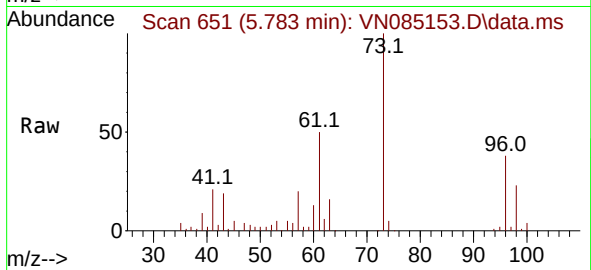




#21
trans-1,2-Dichloroethene
Concen: 54.029 ug/l
RT: 5.783 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

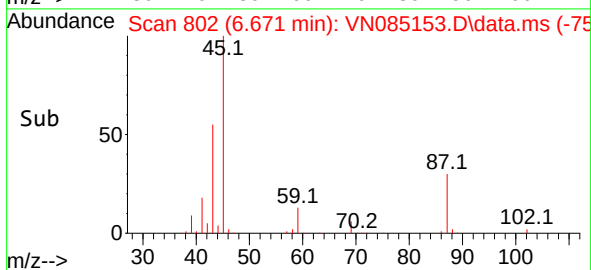
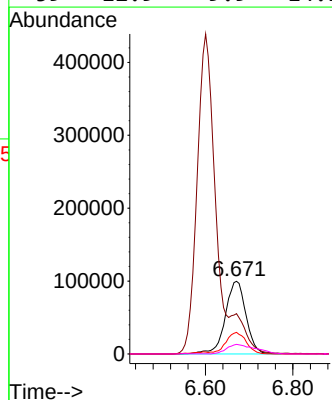
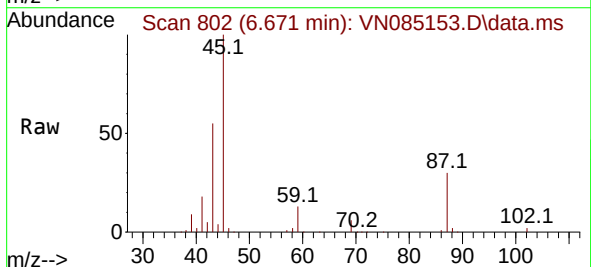
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

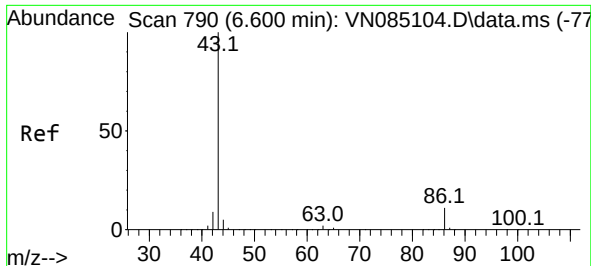
Tgt Ion: 96 Resp: 98207
Ion Ratio Lower Upper
96 100
61 131.8 100.7 151.1
98 60.6 45.8 68.6



#22
Diisopropyl ether
Concen: 55.815 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 45 Resp: 327105
Ion Ratio Lower Upper
45 100
43 54.5 42.7 64.1
87 29.5 22.6 34.0
59 12.9 9.9 14.9

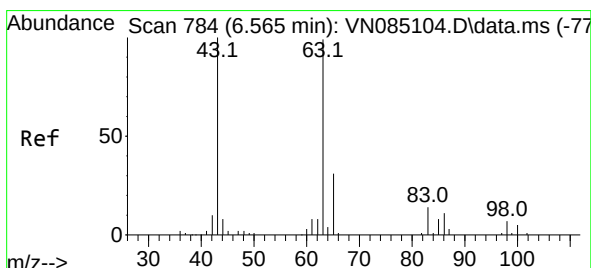
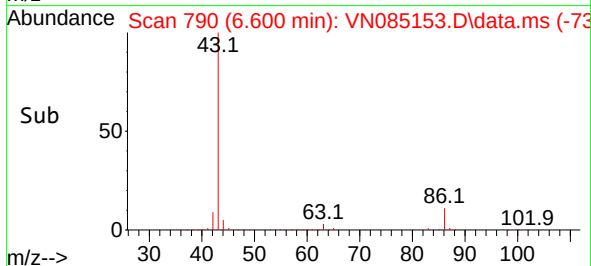
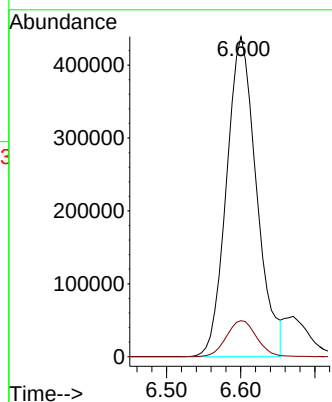
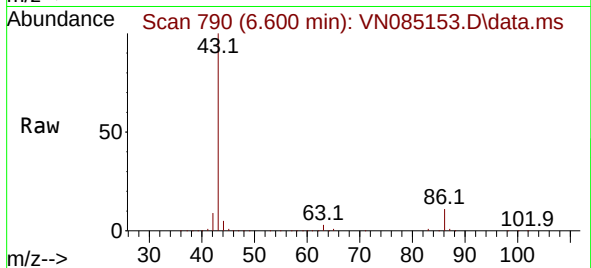




#23
 Vinyl Acetate
 Concen: 305.508 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.006 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

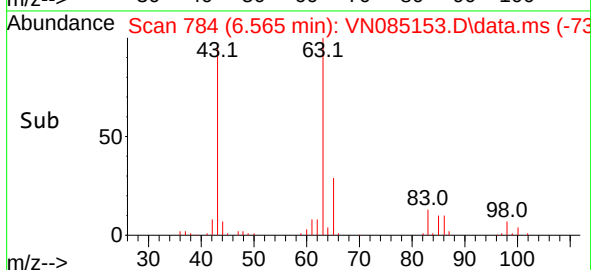
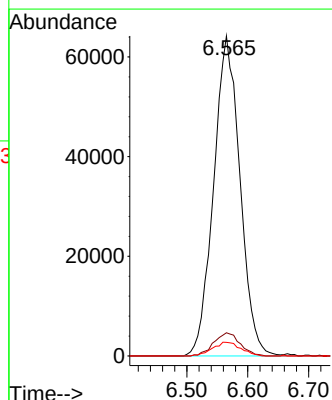
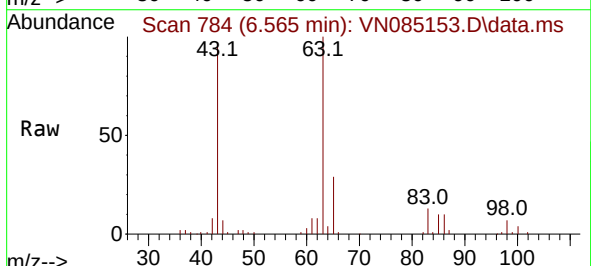
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

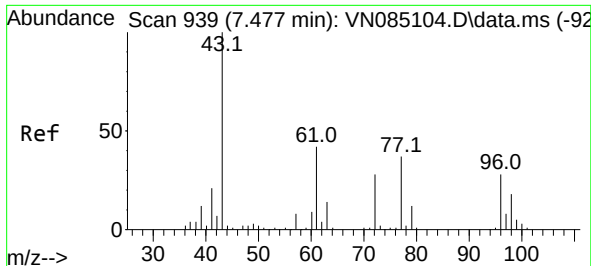
Tgt Ion: 43 Resp: 1235181
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 54.999 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.012 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

Tgt Ion: 63 Resp: 192887
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.8
 100 4.3 2.2 6.6

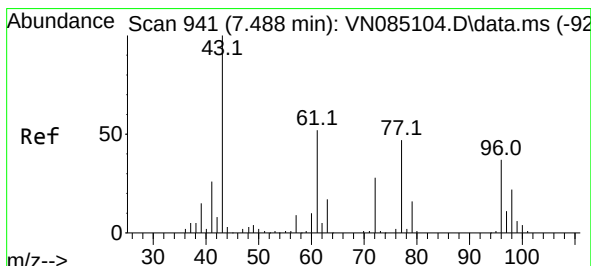
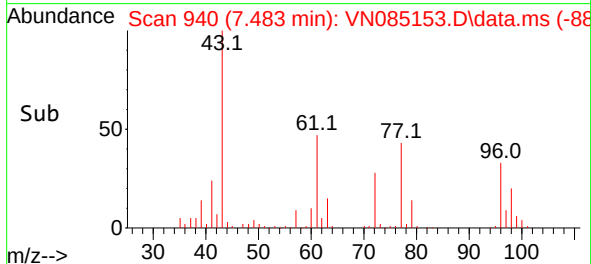
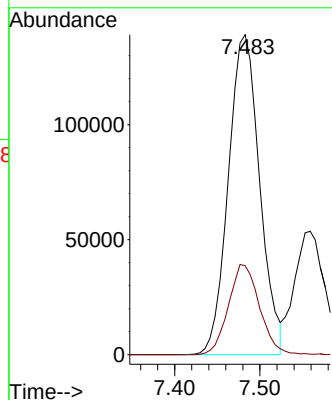
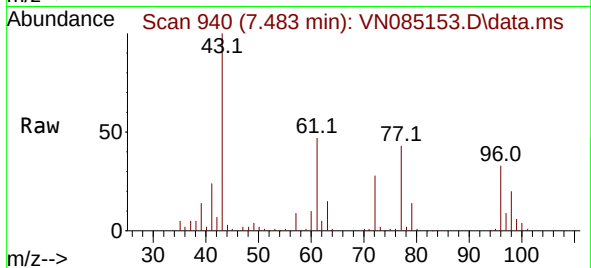




#25
2-Butanone
Concen: 322.655 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

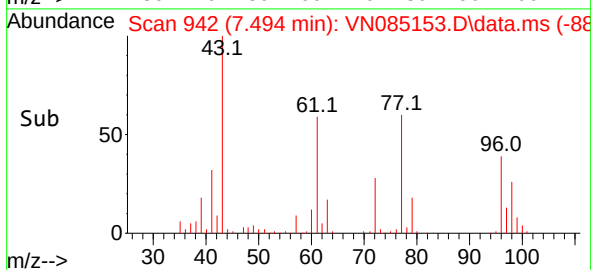
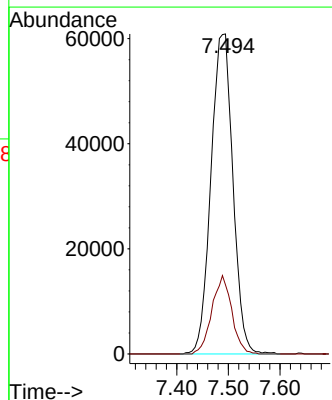
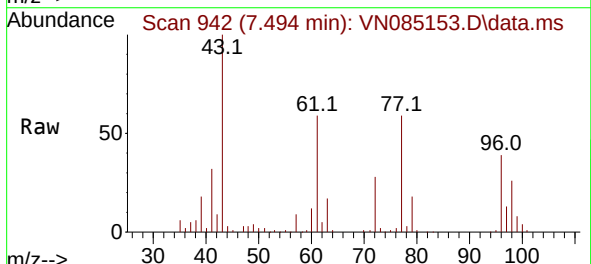
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

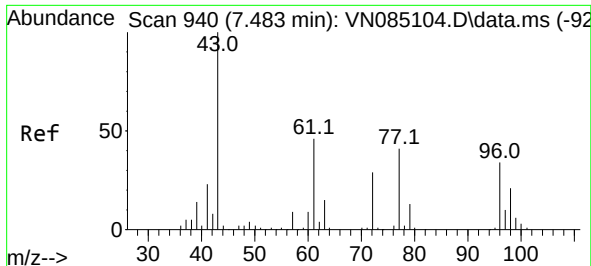
Tgt Ion: 43 Resp: 356129
Ion Ratio Lower Upper
43 100
72 27.8 21.4 32.0



#26
2,2-Dichloropropane
Concen: 54.775 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 77 Resp: 179376
Ion Ratio Lower Upper
77 100
97 22.2 10.9 32.7

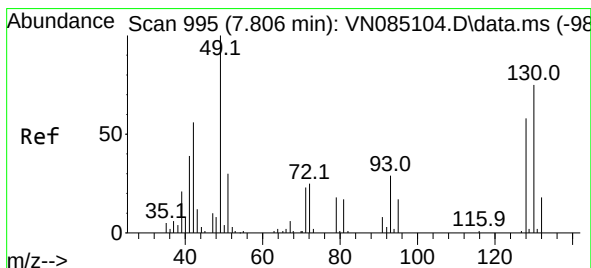
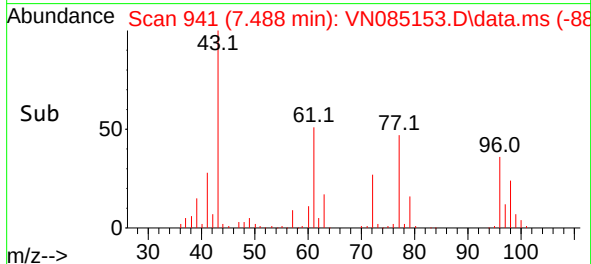
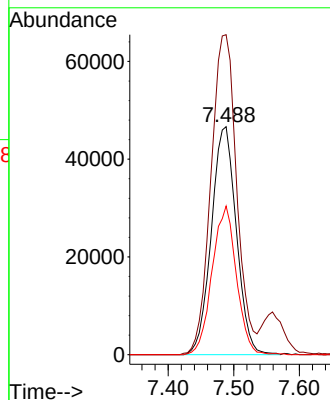
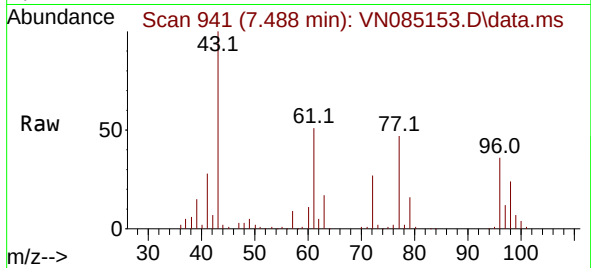




#27
 cis-1,2-Dichloroethene
 Concen: 56.300 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.012 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

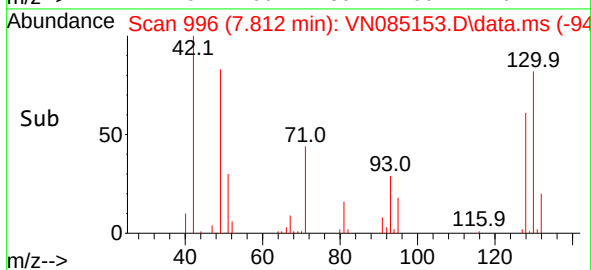
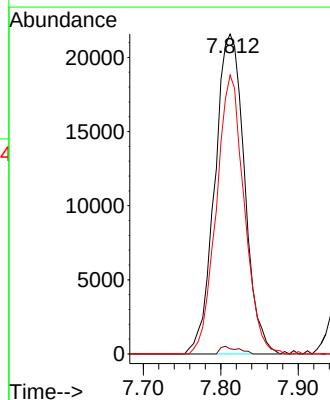
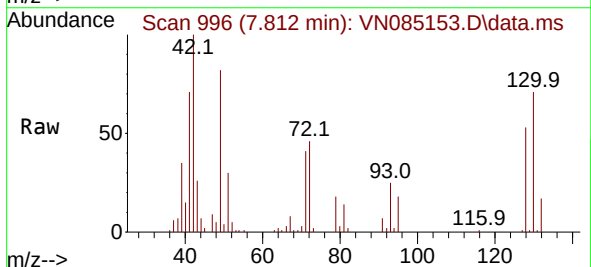
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

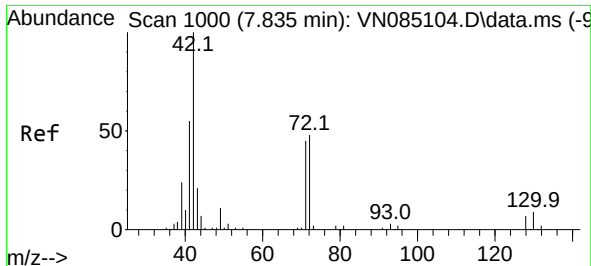
Tgt Ion: 96 Resp: 123370
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 291.6
 98 63.3 0.0 129.8



#28
 Bromochloromethane
 Concen: 43.360 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. 0.006 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

Tgt Ion: 49 Resp: 57402
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 4.0
 130 81.7 60.6 90.8





#29

Tetrahydrofuran

Concen: 325.304 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

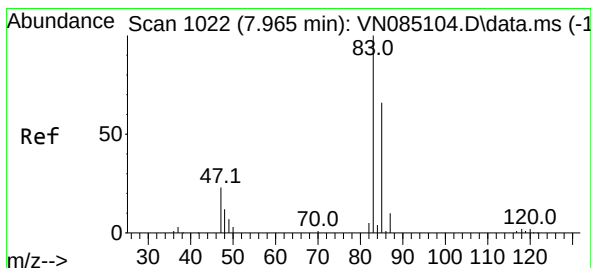
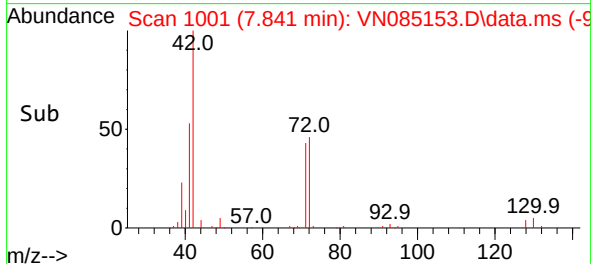
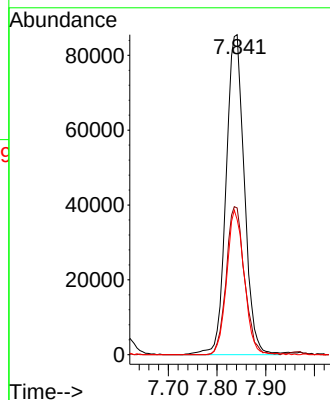
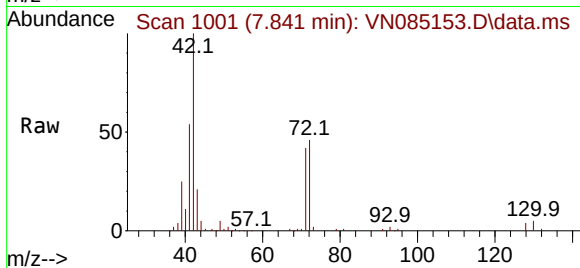
Tgt Ion: 42 Resp: 223283

Ion Ratio Lower Upper

42 100

72 46.2 37.0 55.4

71 43.1 35.0 52.4



#30

Chloroform

Concen: 55.353 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085153.D

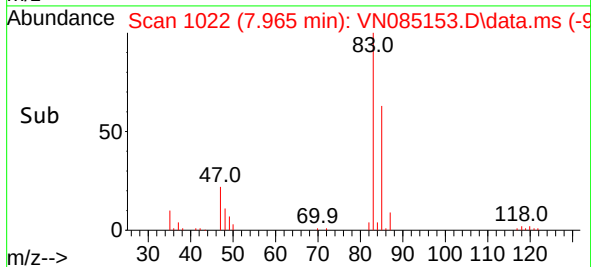
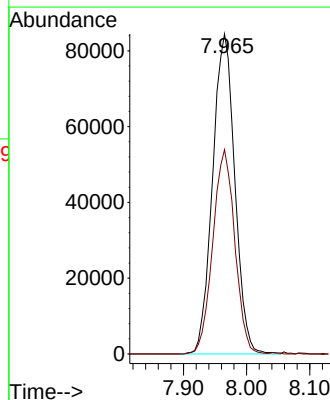
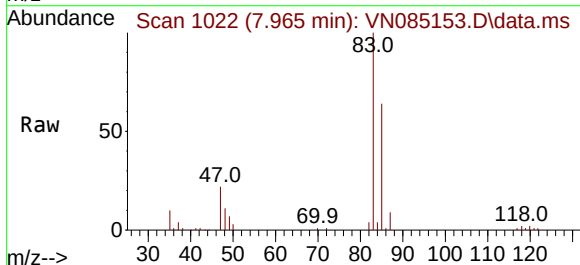
Acq: 09 Dec 2024 16:14

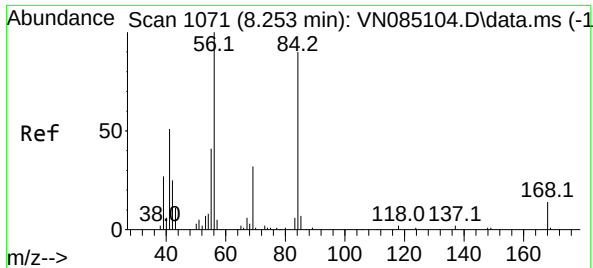
Tgt Ion: 83 Resp: 206502

Ion Ratio Lower Upper

83 100

85 63.8 52.6 78.8

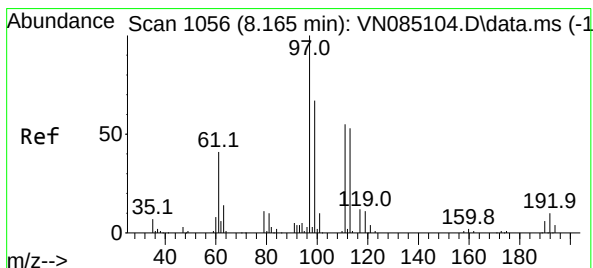
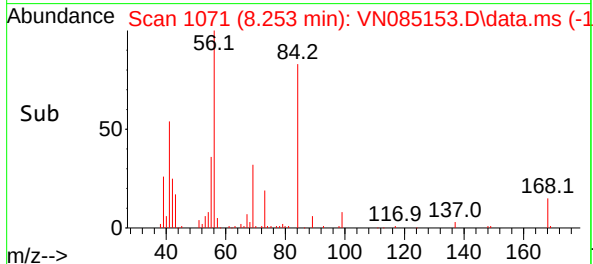
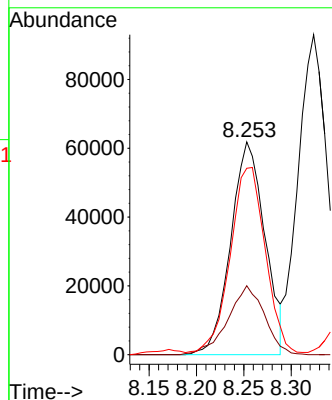
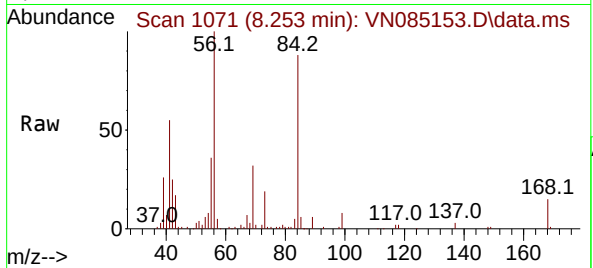




#31
Cyclohexane
Concen: 50.369 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

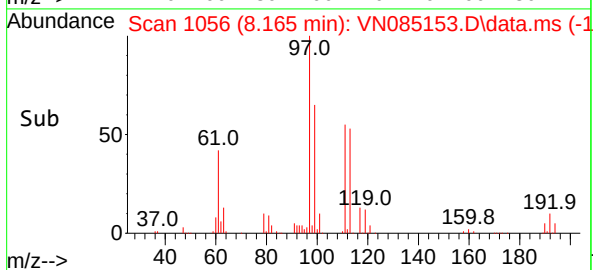
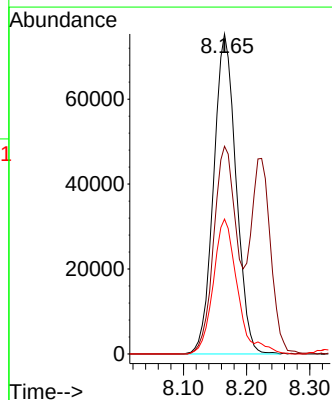
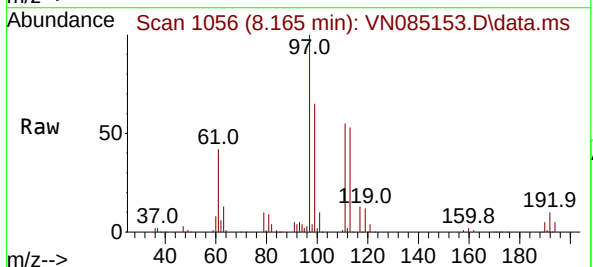
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

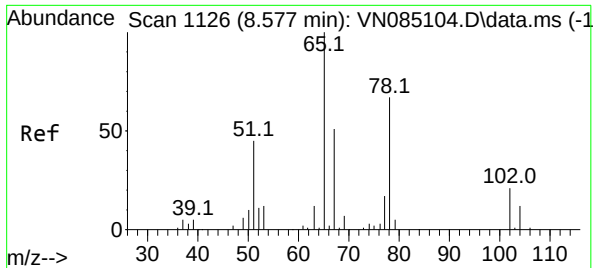
Tgt Ion: 56 Resp: 155530
Ion Ratio Lower Upper
56 100
69 32.4 24.6 36.8
84 85.9 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 55.230 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 97 Resp: 186189
Ion Ratio Lower Upper
97 100
99 65.9 51.0 76.4
61 45.4 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 51.000 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

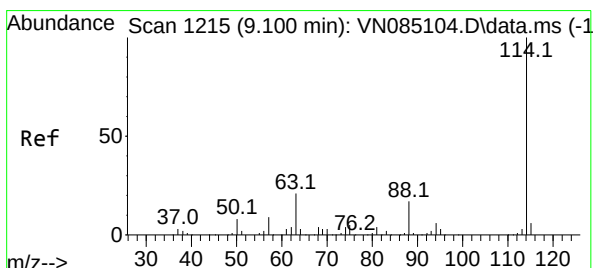
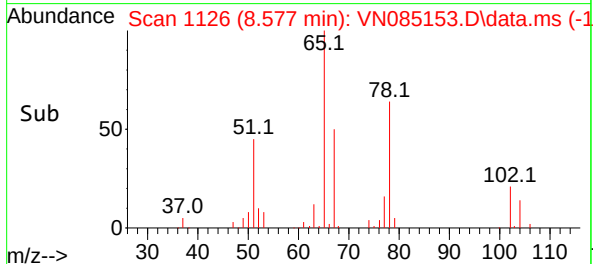
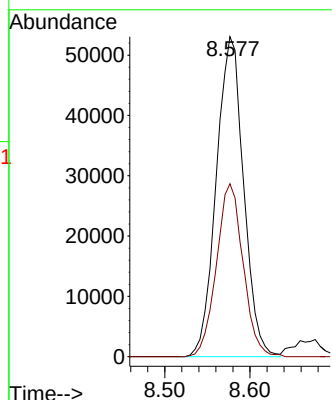
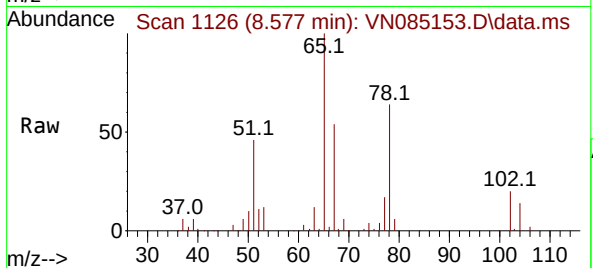
VSTDCCC050EC

Tgt Ion: 65 Resp: 118220

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

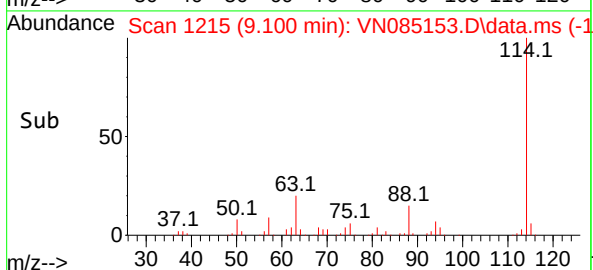
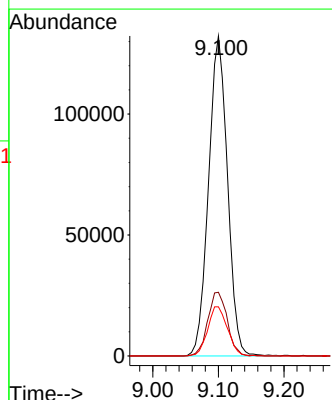
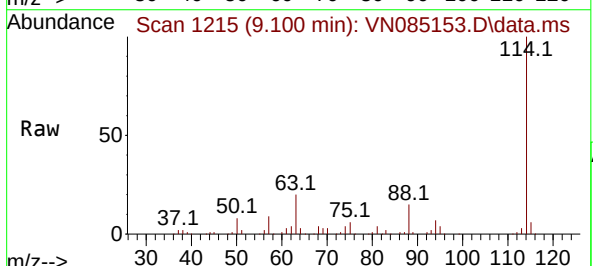
Tgt Ion: 114 Resp: 265150

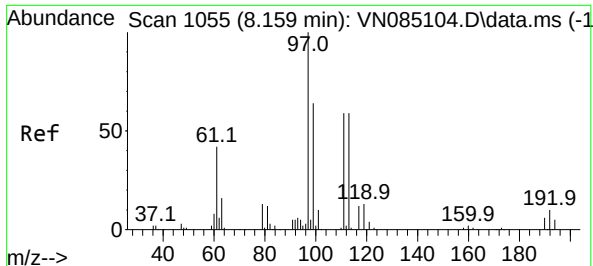
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 15.4 0.0 34.8





#35

Dibromofluoromethane

Concen: 53.613 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

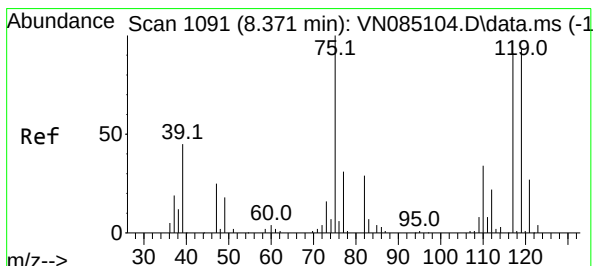
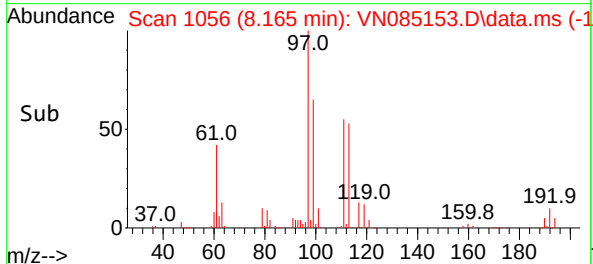
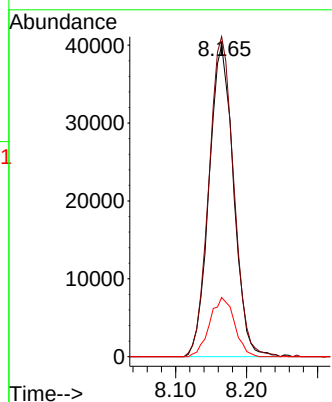
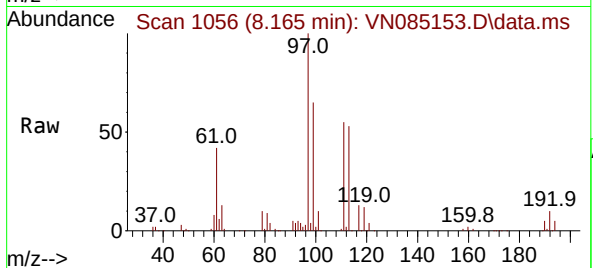
Tgt Ion:113 Resp: 95864

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 19.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 57.518 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

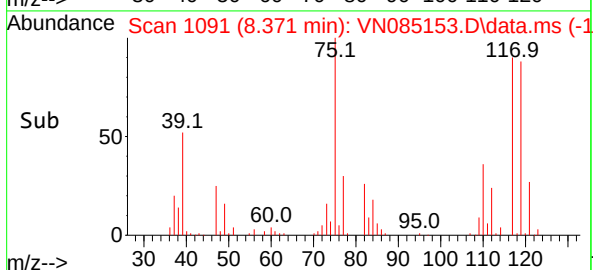
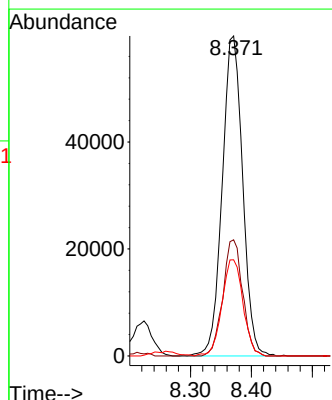
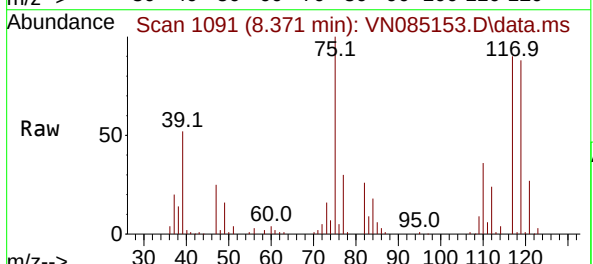
Tgt Ion: 75 Resp: 139304

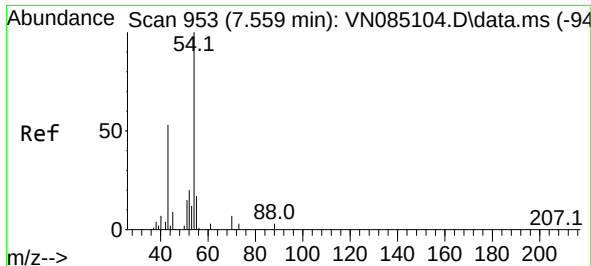
Ion Ratio Lower Upper

75 100

110 35.1 17.2 51.6

77 31.0 24.2 36.4





#37

Ethyl Acetate

Concen: 62.778 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

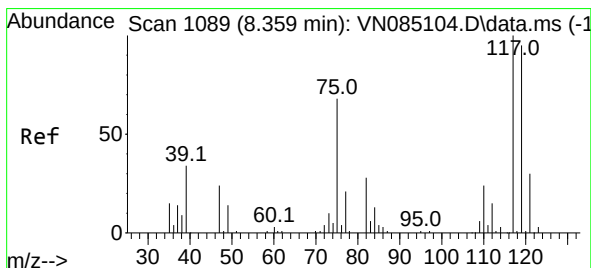
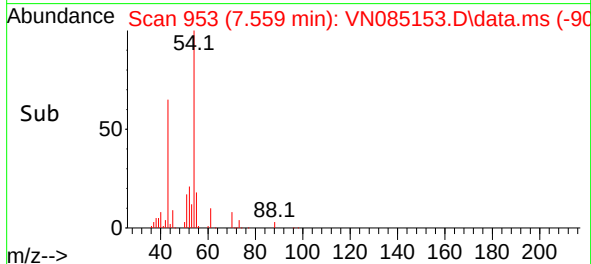
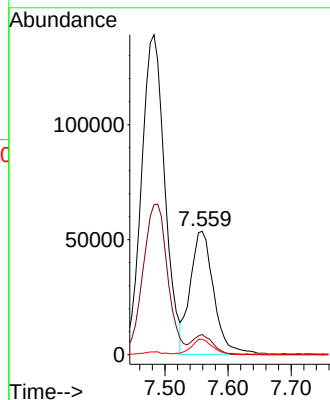
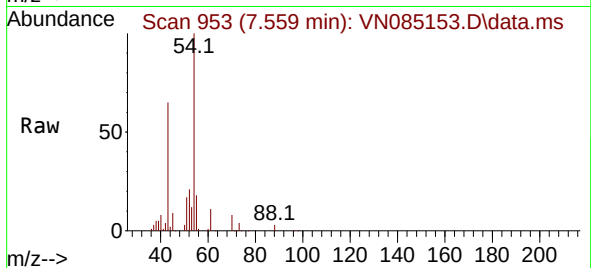
Tgt Ion: 43 Resp: 138225

Ion Ratio Lower Upper

43 100

61 13.9 11.7 17.5

70 11.5 9.3 13.9



#38

Carbon Tetrachloride

Concen: 59.696 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

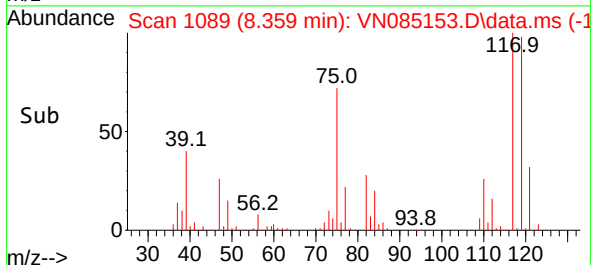
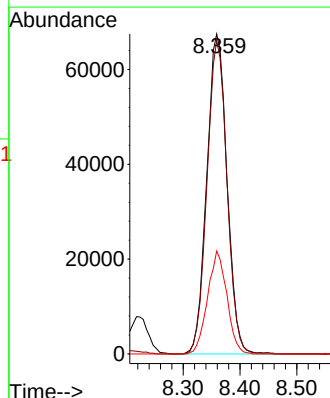
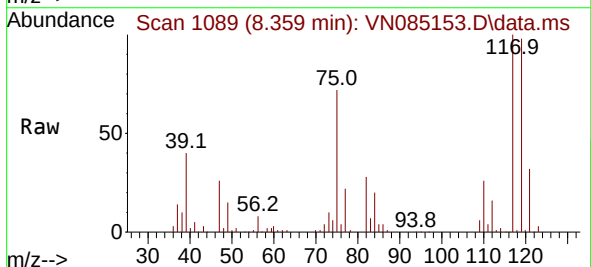
Tgt Ion: 117 Resp: 166889

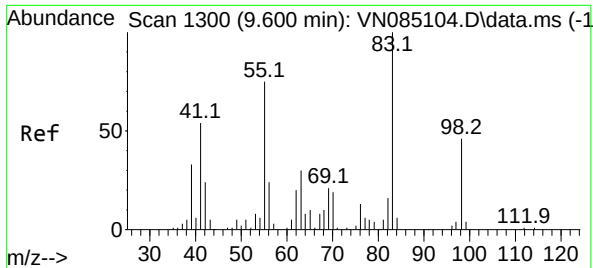
Ion Ratio Lower Upper

117 100

119 98.0 78.6 117.8

121 32.2 24.2 36.2





#39

Methylcyclohexane

Concen: 60.980 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

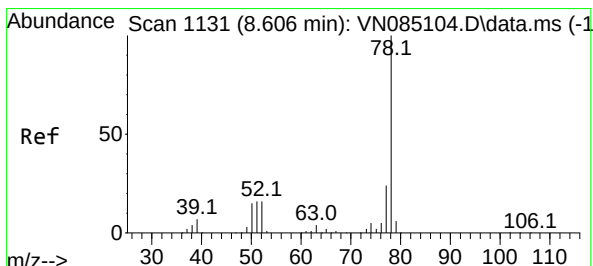
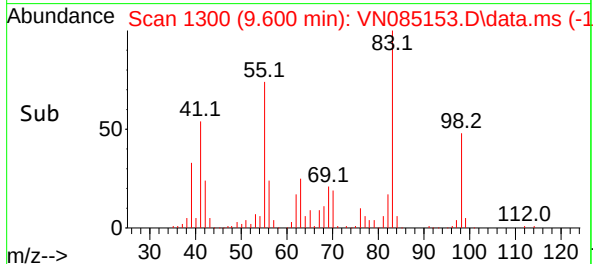
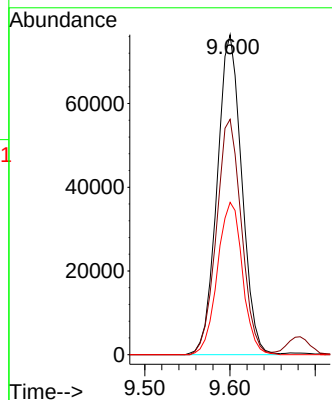
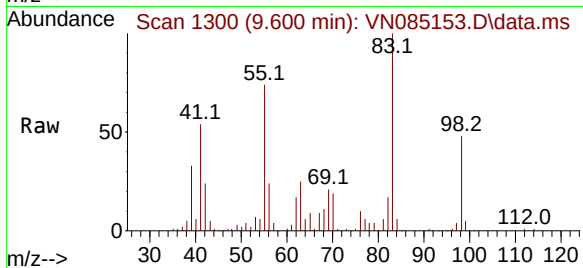
Tgt Ion: 83 Resp: 153471

Ion Ratio Lower Upper

83 100

55 73.6 61.8 92.6

98 47.6 37.0 55.6



#40

Benzene

Concen: 55.734 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085153.D

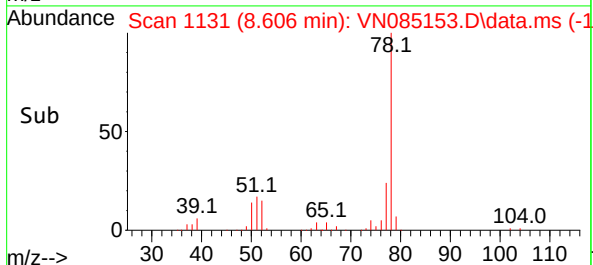
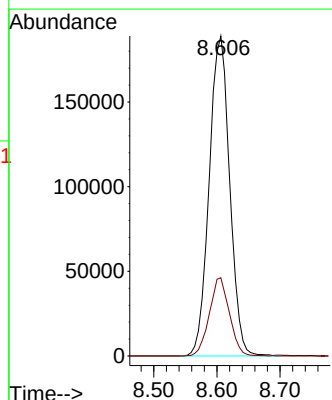
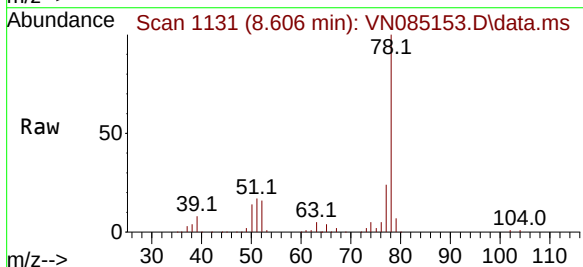
Acq: 09 Dec 2024 16:14

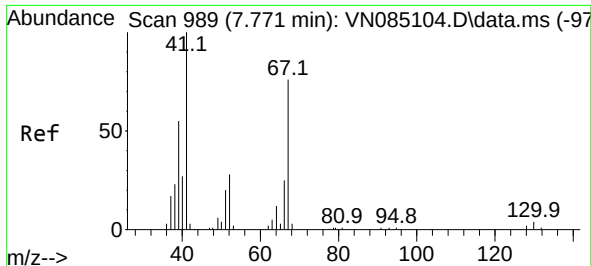
Tgt Ion: 78 Resp: 426932

Ion Ratio Lower Upper

78 100

77 24.4 18.5 27.7



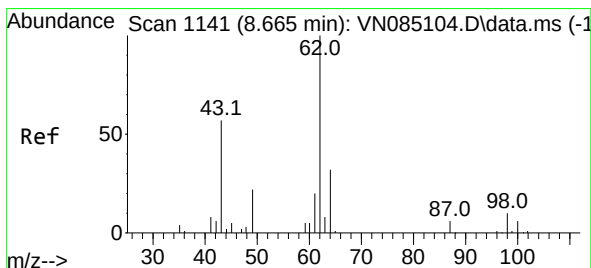
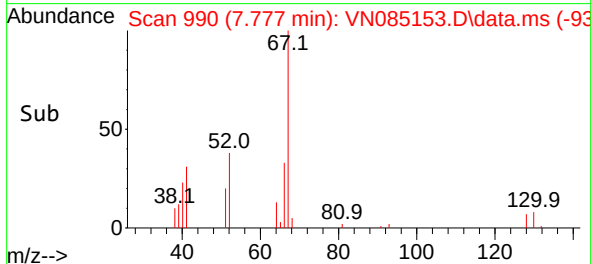
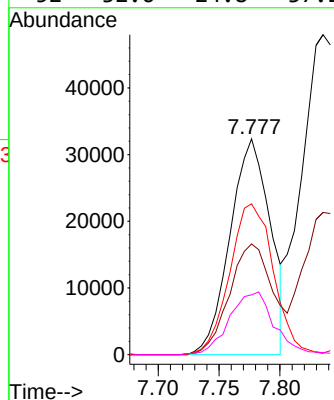
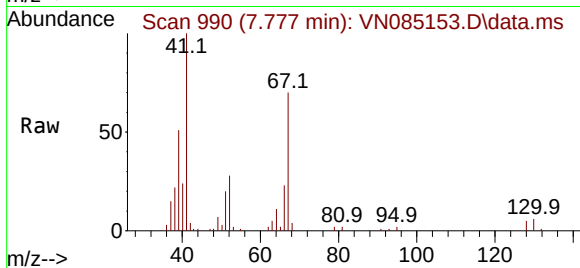


#41
Methacrylonitrile
Concen: 60.938 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 74288

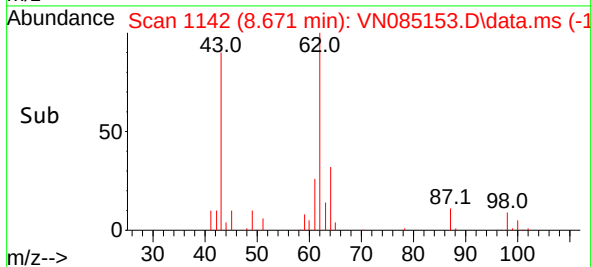
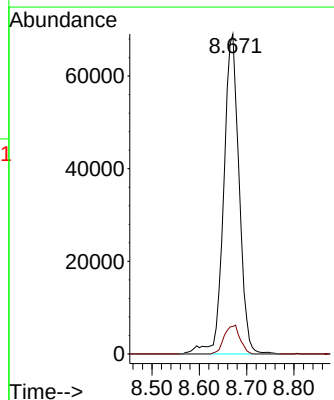
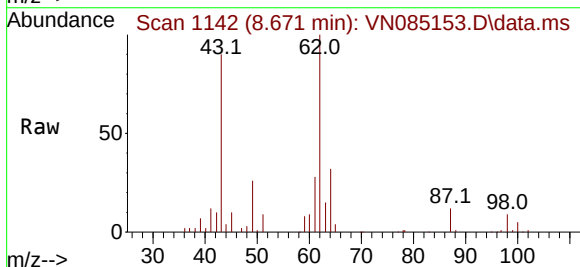
Ion	Ratio	Lower	Upper
41	100		
39	56.4	42.6	63.8
67	76.1	59.9	89.9
52	32.6	24.8	37.2

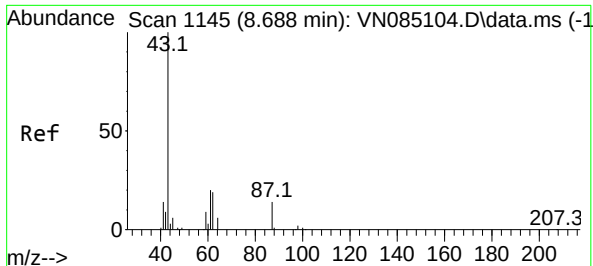


#42
1,2-Dichloroethane
Concen: 59.637 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 62 Resp: 156285

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2

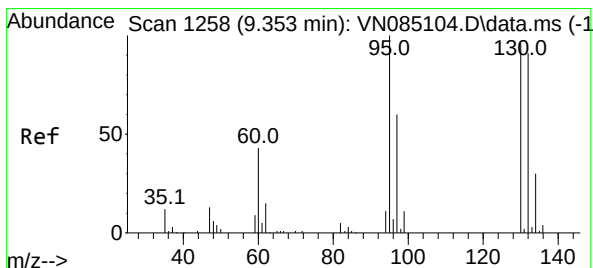
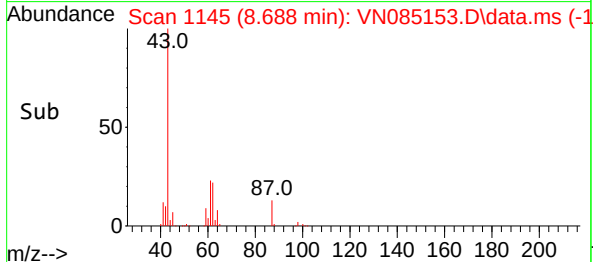
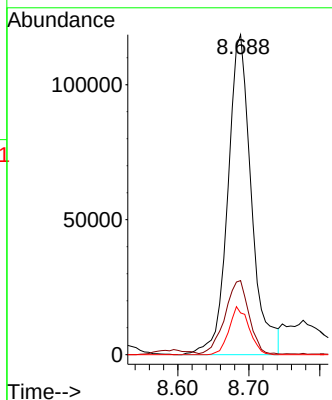
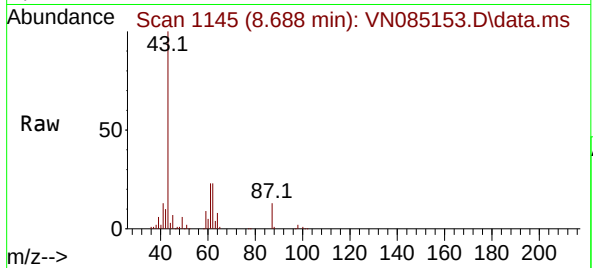




#43
Isopropyl Acetate
Concen: 59.842 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

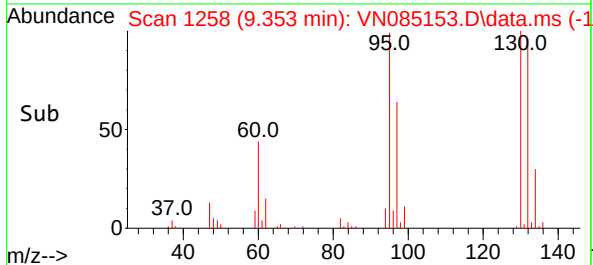
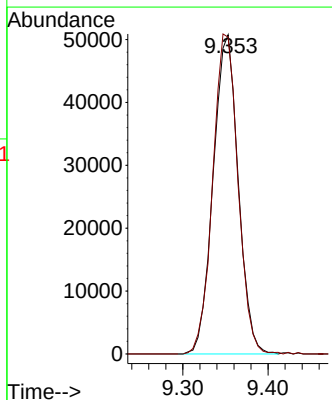
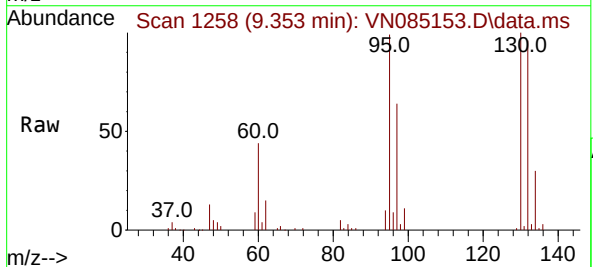
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

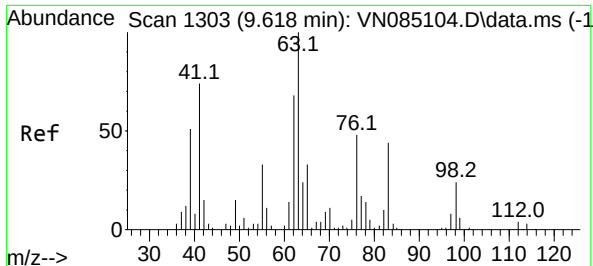
Tgt Ion: 43 Resp: 273688
Ion Ratio Lower Upper
43 100
61 23.4 20.6 30.8
87 12.7 11.0 16.4



#44
Trichloroethene
Concen: 58.195 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:130 Resp: 103598
Ion Ratio Lower Upper
130 100
95 99.3 0.0 213.4





#45

1,2-Dichloropropane

Concen: 57.347 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

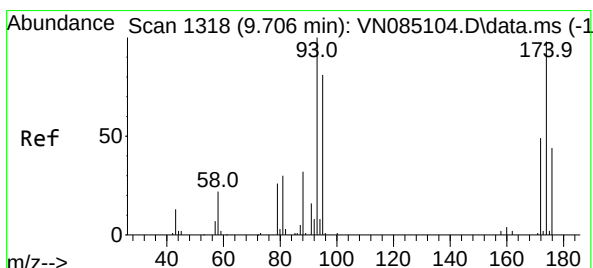
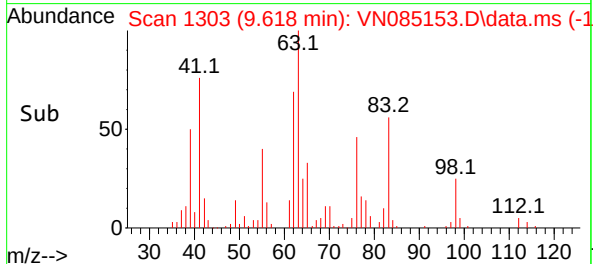
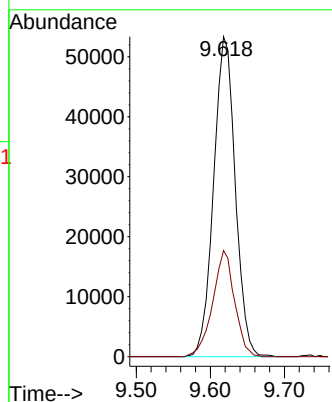
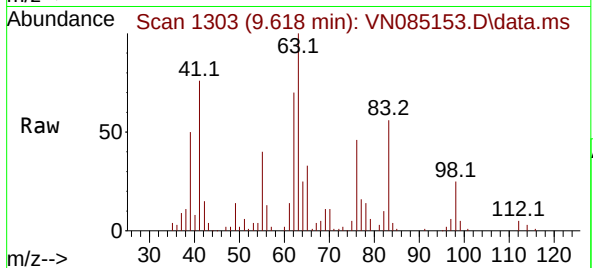
VSTDCCC050EC

Tgt Ion: 63 Resp: 108197

Ion Ratio Lower Upper

63 100

65 33.2 24.0 36.0



#46

Dibromomethane

Concen: 59.757 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

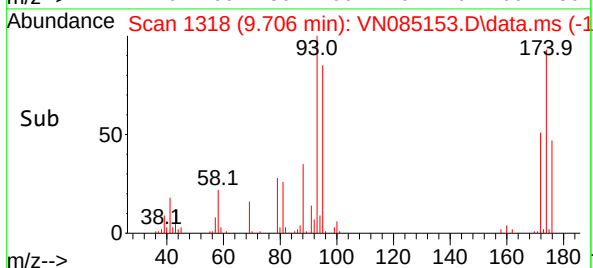
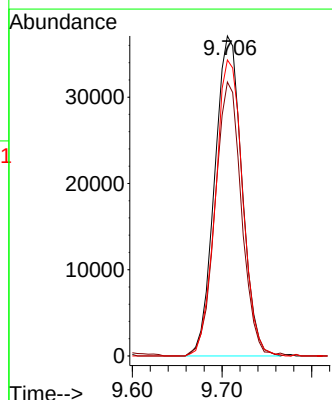
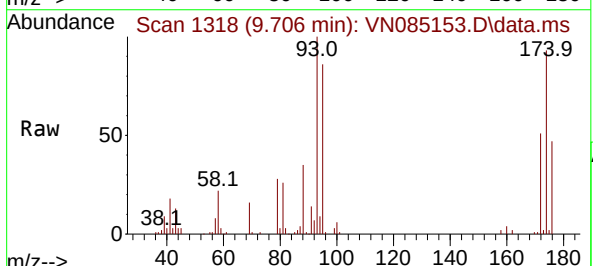
Tgt Ion: 93 Resp: 78342

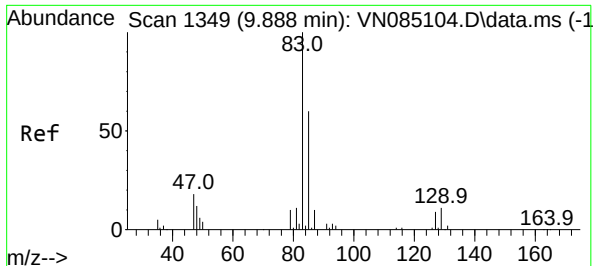
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.4

174 92.3 74.9 112.3

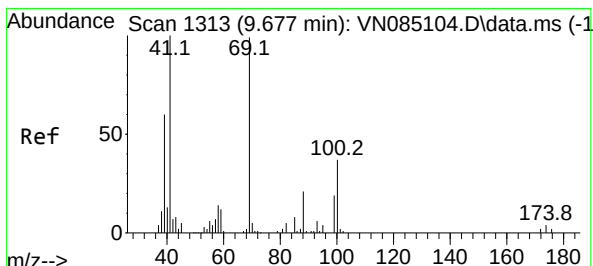
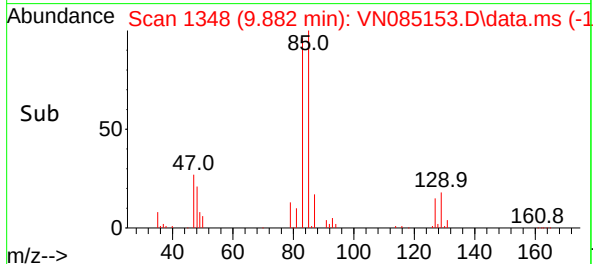
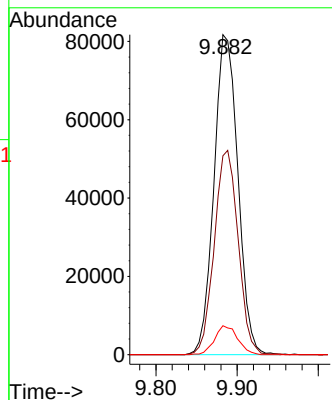
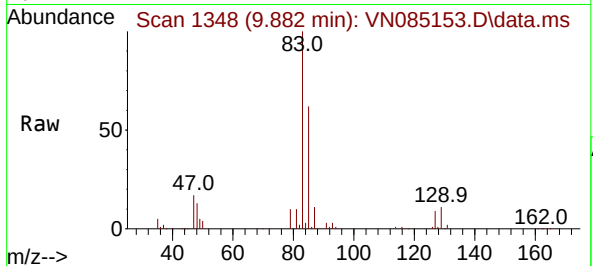




#47
Bromodichloromethane
Concen: 60.258 ug/l
RT: 9.882 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

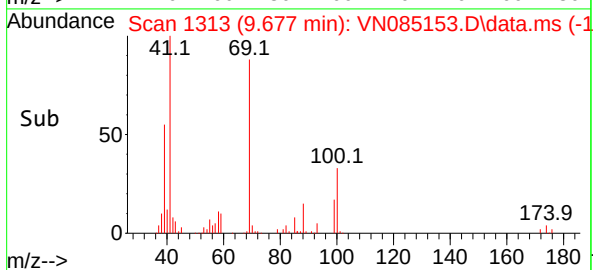
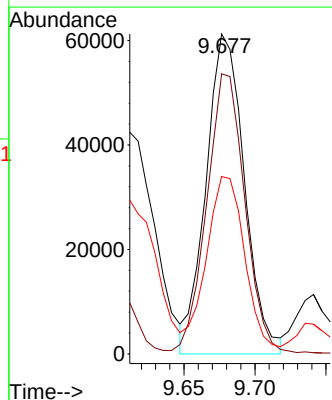
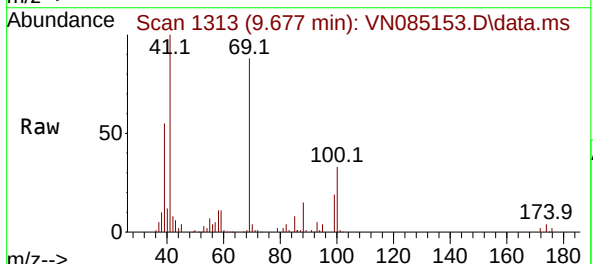
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

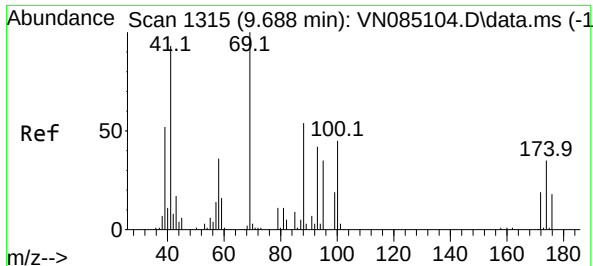
Tgt Ion: 83 Resp: 167432
Ion Ratio Lower Upper
83 100
85 62.2 50.5 75.7
127 9.0 7.1 10.7



#48
Methyl methacrylate
Concen: 67.720 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 41 Resp: 115253
Ion Ratio Lower Upper
41 100
69 87.7 73.2 109.8
39 56.4 46.2 69.4





#49

1,4-Dioxane

Concen: 1457.126 ug/l

RT: 9.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

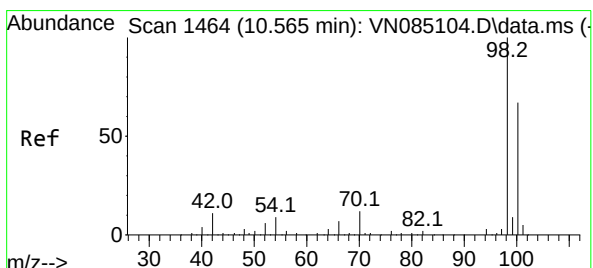
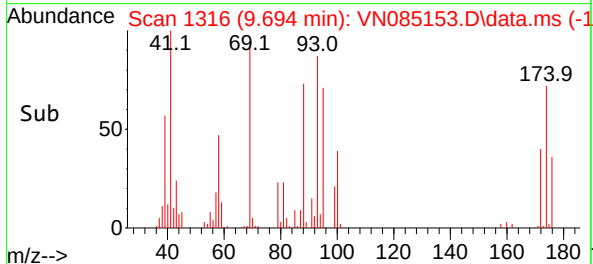
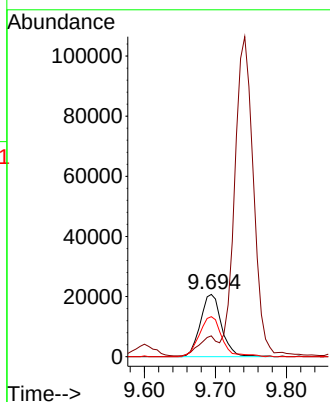
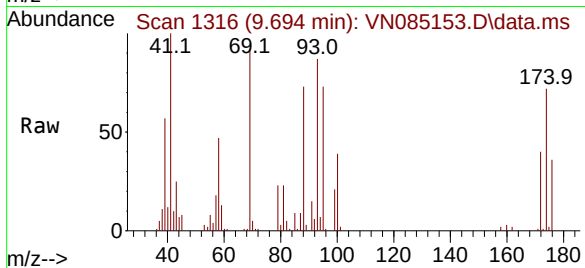
Tgt Ion: 88 Resp: 43006

Ion Ratio Lower Upper

88 100

43 28.5 16.7 25.1#

58 68.4 56.5 84.7



#50

Toluene-d8

Concen: 53.987 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085153.D

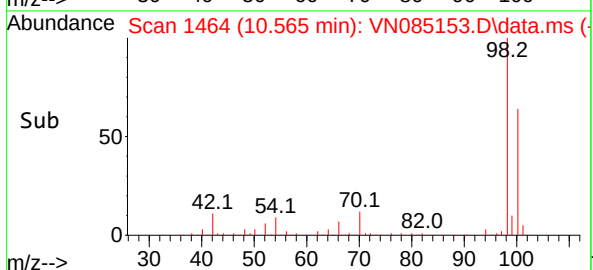
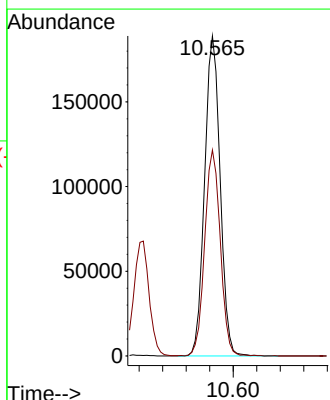
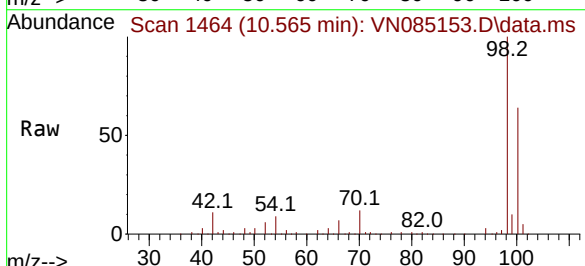
Acq: 09 Dec 2024 16:14

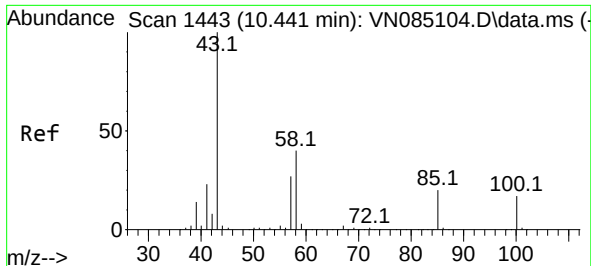
Tgt Ion: 98 Resp: 345955

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 347.299 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

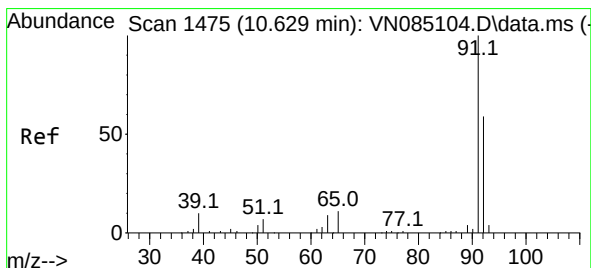
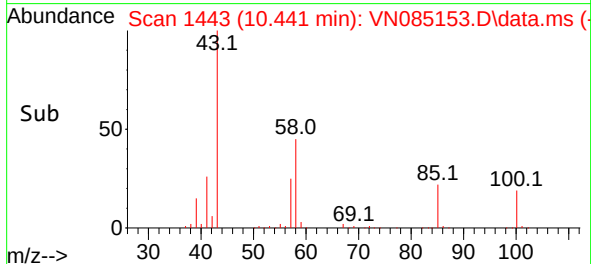
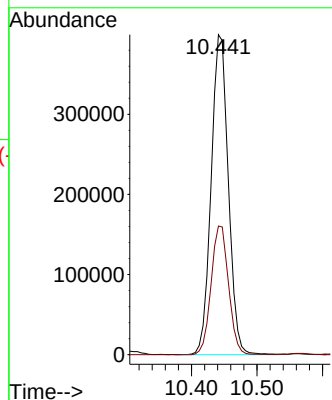
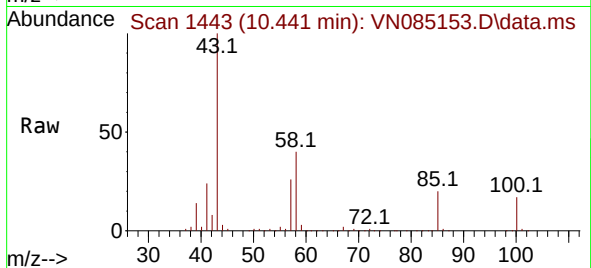
VSTDCCC050EC

Tgt Ion: 43 Resp: 725499

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1



#52

Toluene

Concen: 61.119 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085153.D

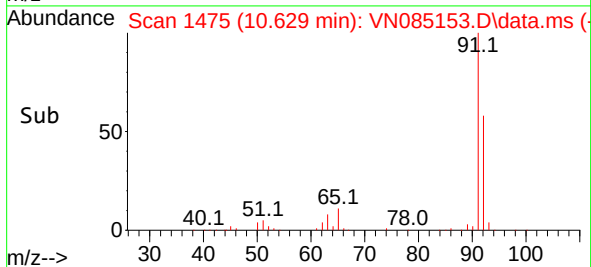
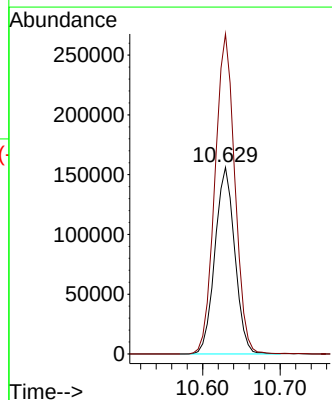
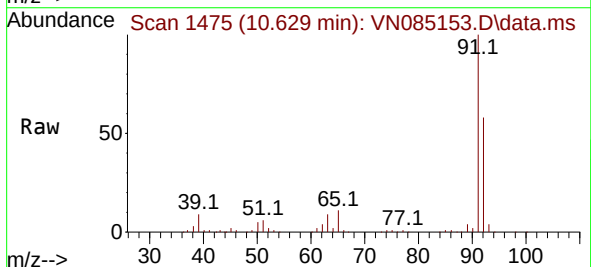
Acq: 09 Dec 2024 16:14

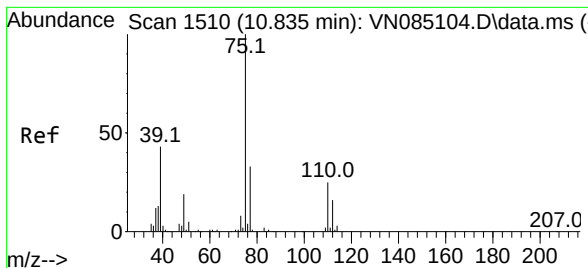
Tgt Ion: 92 Resp: 277164

Ion Ratio Lower Upper

92 100

91 172.7 136.7 205.1

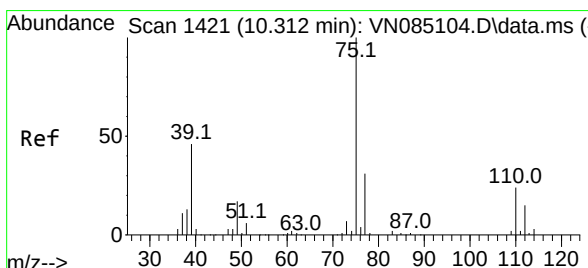
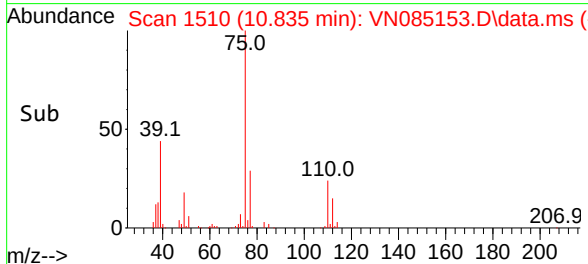
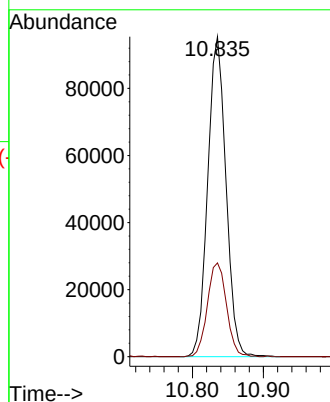
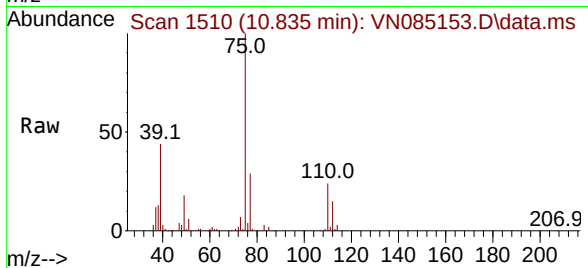




#53
t-1,3-Dichloropropene
Concen: 61.118 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

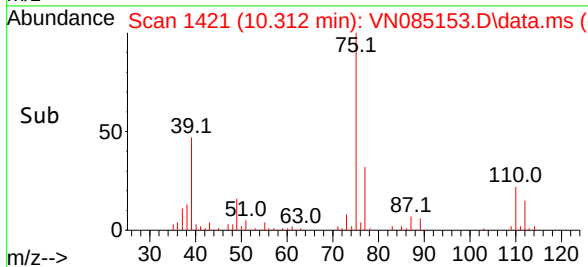
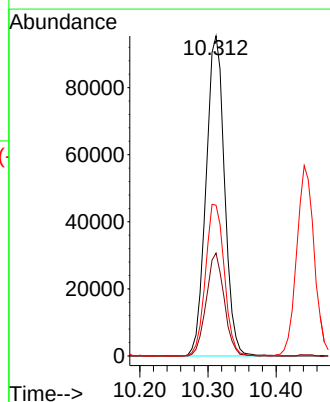
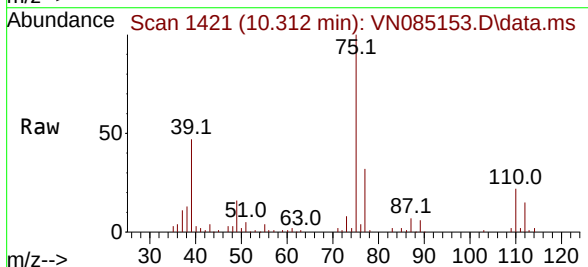
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

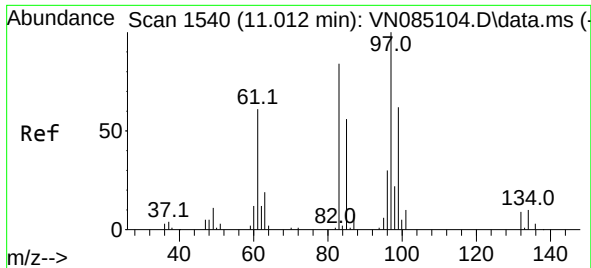
Tgt Ion: 75 Resp: 170255
Ion Ratio Lower Upper
75 100
77 29.3 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 60.963 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 180164
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.4
39 47.1 37.6 56.4



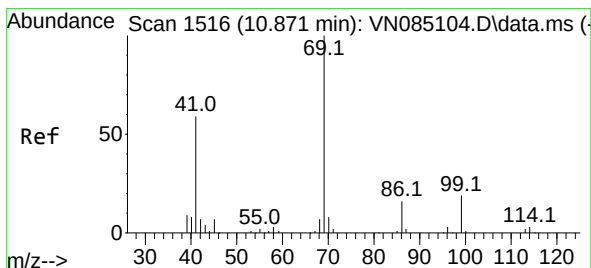
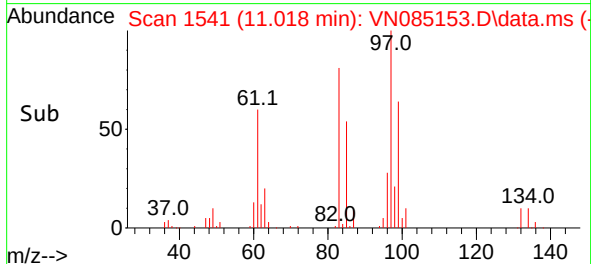
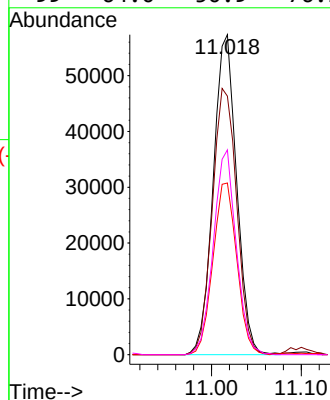
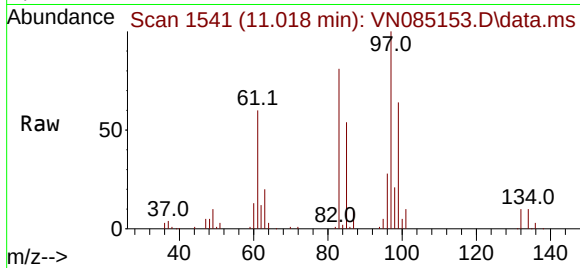


#55
1,1,2-Trichloroethane
Concen: 61.496 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 103873

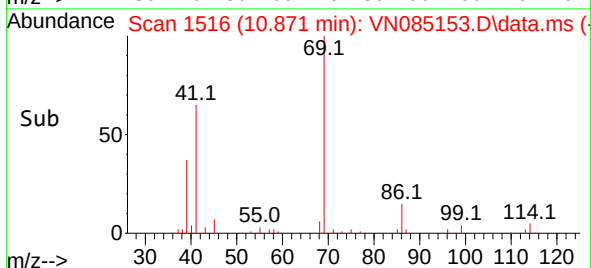
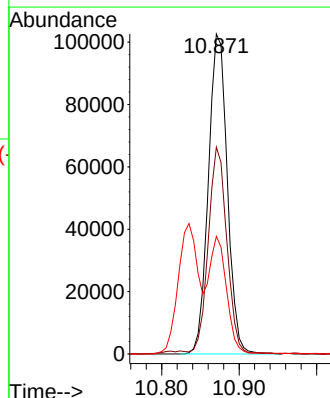
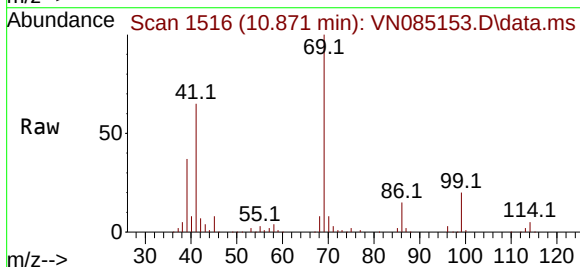
Ion	Ratio	Lower	Upper
97	100		
83	80.8	67.4	101.2
85	53.7	43.1	64.7
99	64.0	50.9	76.3

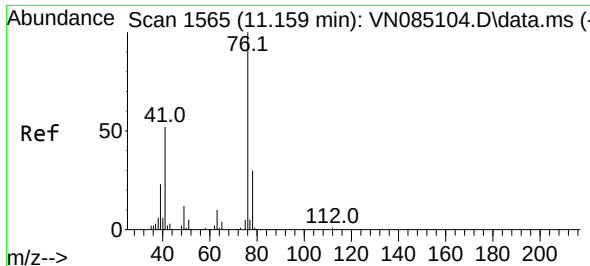


#56
Ethyl methacrylate
Concen: 70.497 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 69 Resp: 174001

Ion	Ratio	Lower	Upper
69	100		
41	63.7	50.0	75.0
39	34.9	27.0	40.6





#57

1,3-Dichloropropane

Concen: 59.747 ug/l

RT: 11.159 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

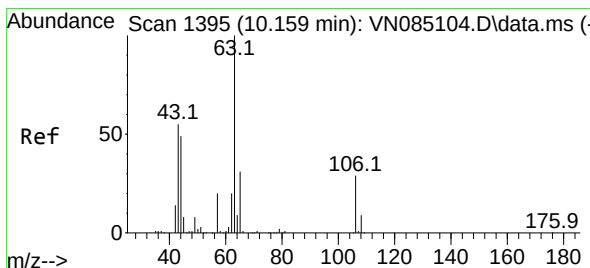
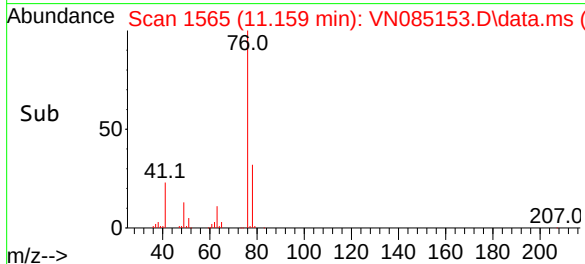
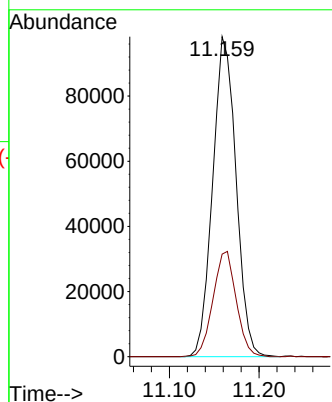
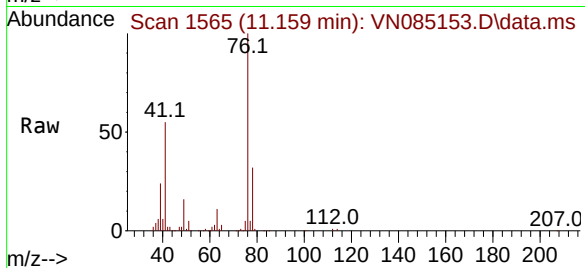
VSTDCCC050EC

Tgt Ion: 76 Resp: 177618

Ion Ratio Lower Upper

76 100

78 32.7 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 280.990 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085153.D

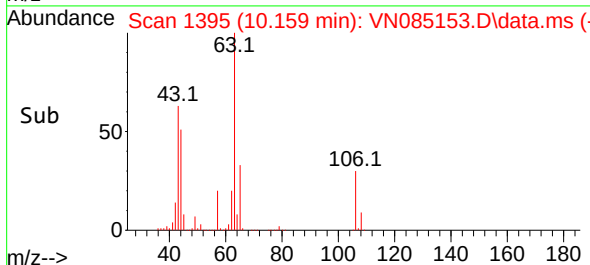
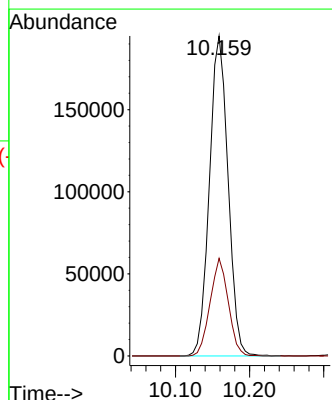
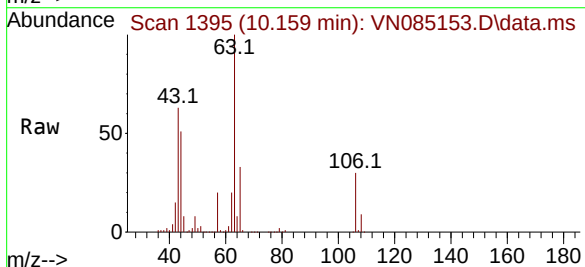
Acq: 09 Dec 2024 16:14

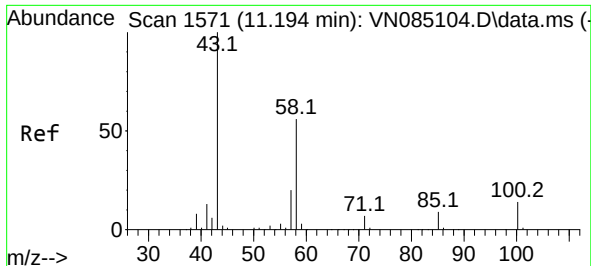
Tgt Ion: 63 Resp: 340202

Ion Ratio Lower Upper

63 100

106 29.7 23.0 34.6

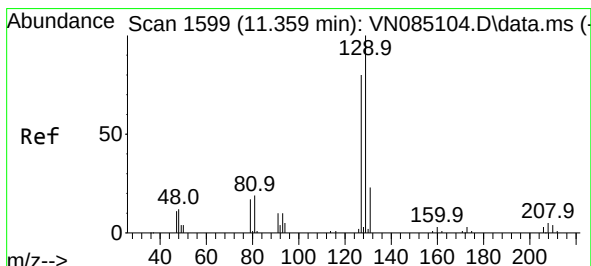
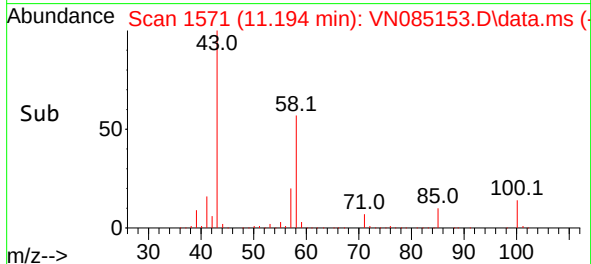
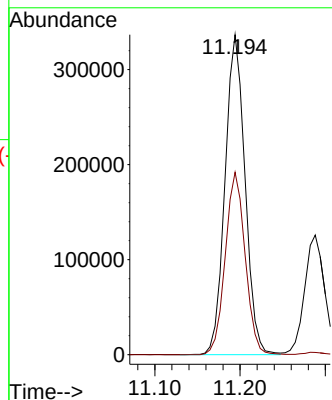
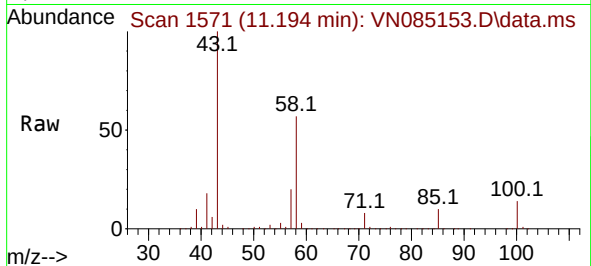




#59
2-Hexanone
Concen: 351.625 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

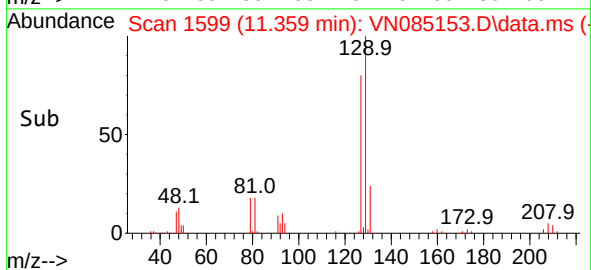
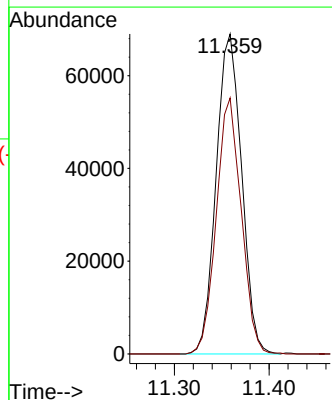
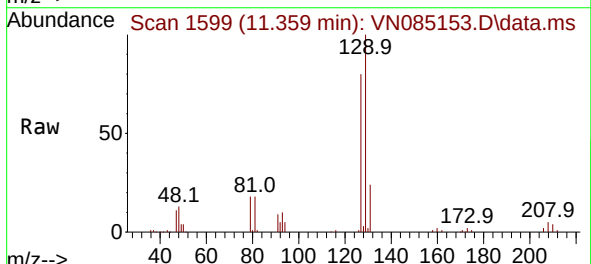
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

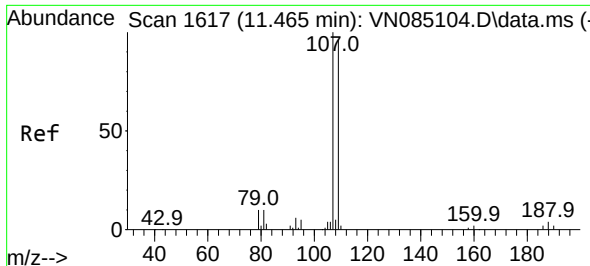
Tgt Ion: 43 Resp: 549363
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0



#60
Dibromochloromethane
Concen: 62.448 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 129 Resp: 128913
Ion Ratio Lower Upper
129 100
127 78.3 39.2 117.6

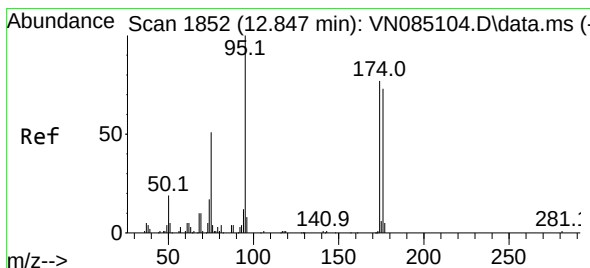
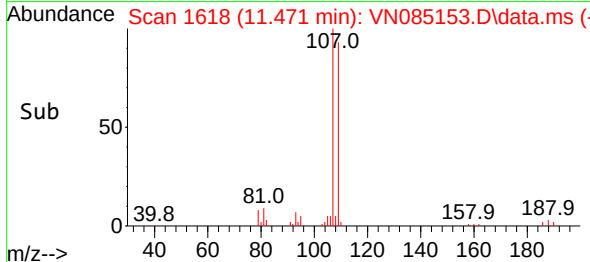
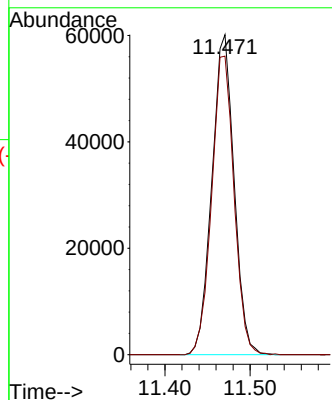
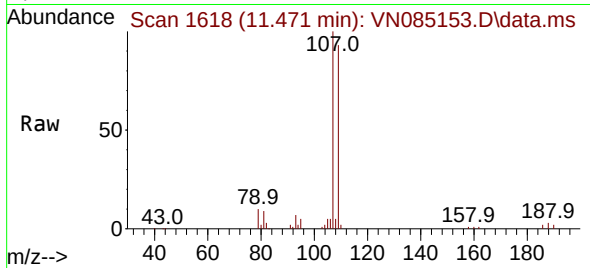




#61
1,2-Dibromoethane
Concen: 62.224 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

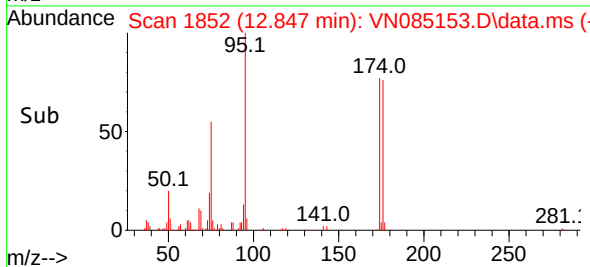
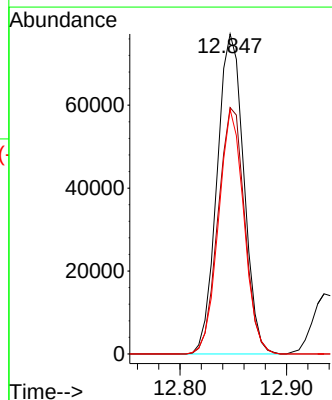
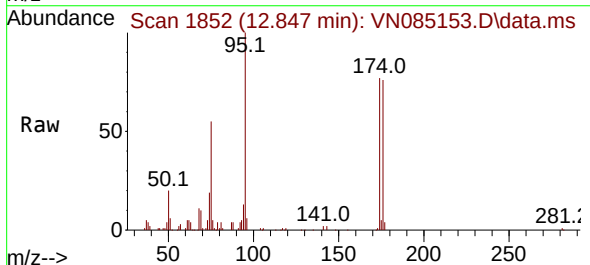
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

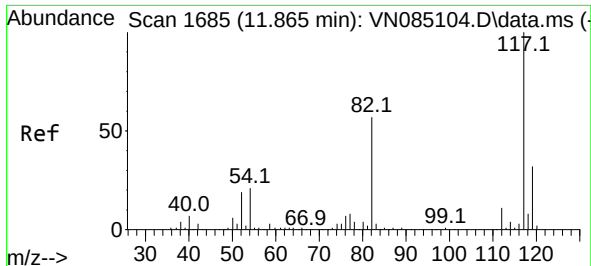
Tgt Ion:107 Resp: 108774
Ion Ratio Lower Upper
107 100
109 94.0 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 56.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 95 Resp: 134293
Ion Ratio Lower Upper
95 100
174 76.6 0.0 146.6
176 72.8 0.0 141.8

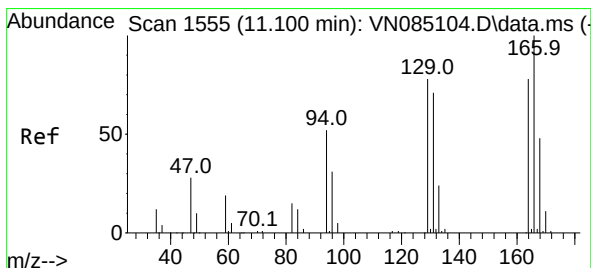
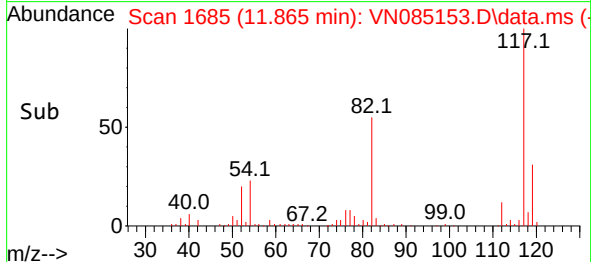
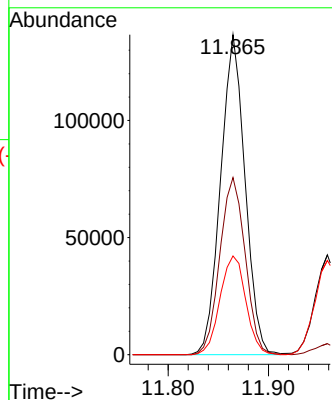
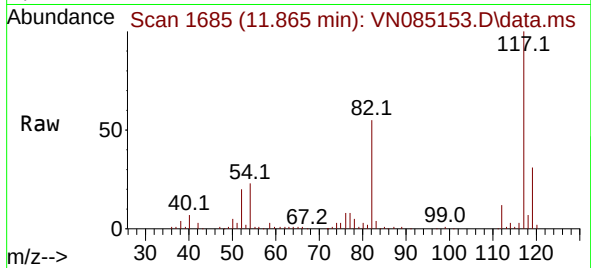




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

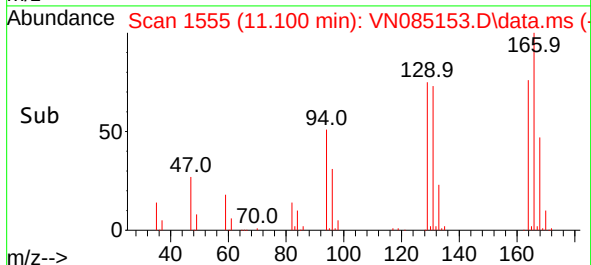
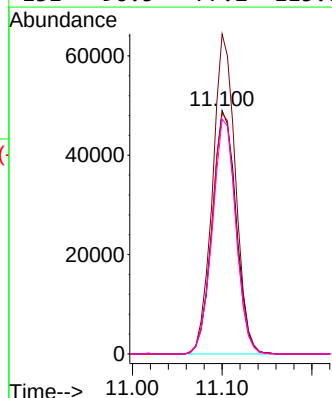
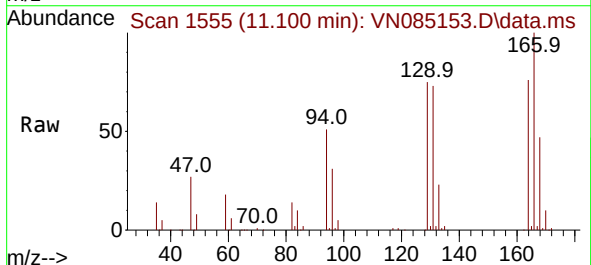
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

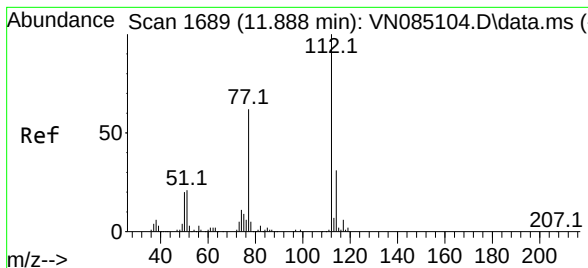
Tgt Ion:117 Resp: 230771
Ion Ratio Lower Upper
117 100
82 55.3 46.0 69.0
119 30.9 25.6 38.4



#64
Tetrachloroethene
Concen: 58.408 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:164 Resp: 90824
Ion Ratio Lower Upper
164 100
166 131.5 100.6 151.0
129 98.8 77.7 116.5
131 96.5 77.2 115.8

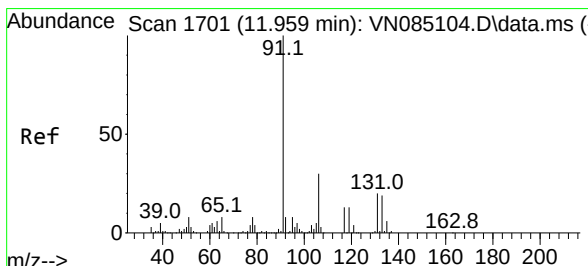
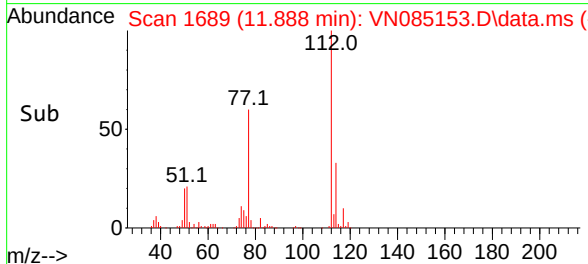
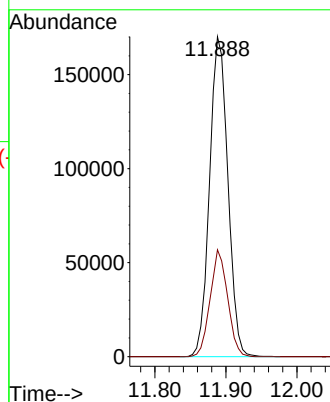
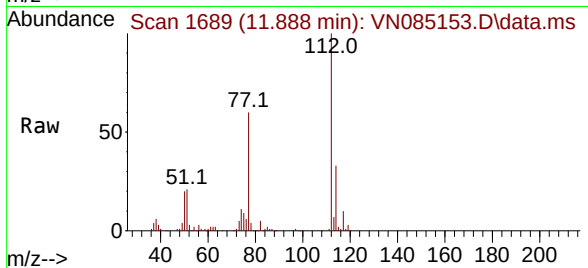




#65
Chlorobenzene
Concen: 58.266 ug/l
RT: 11.888 min Scan# 112
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

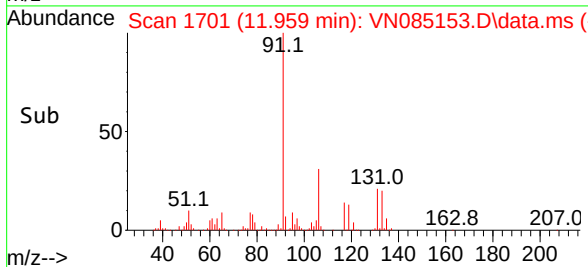
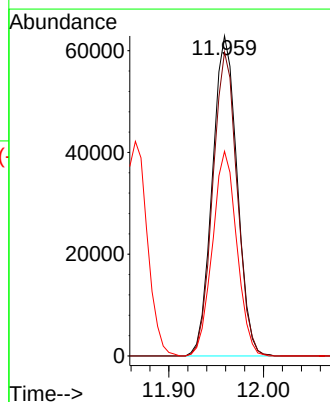
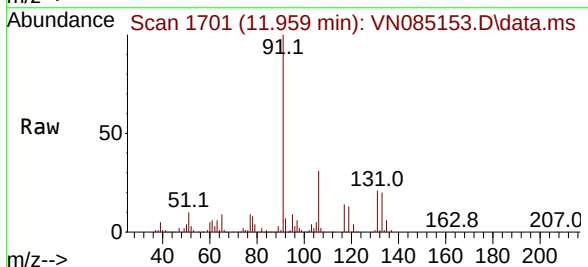
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

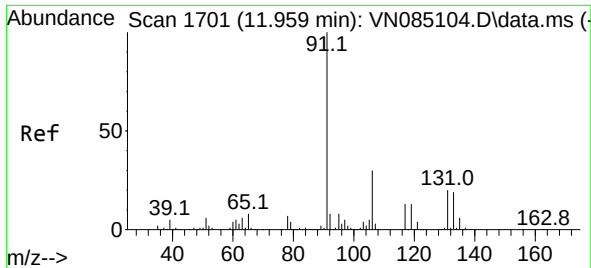
Tgt Ion:112 Resp: 304940
Ion Ratio Lower Upper
112 100
114 33.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 61.967 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:131 Resp: 114186
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.4
119 62.9 32.1 96.3

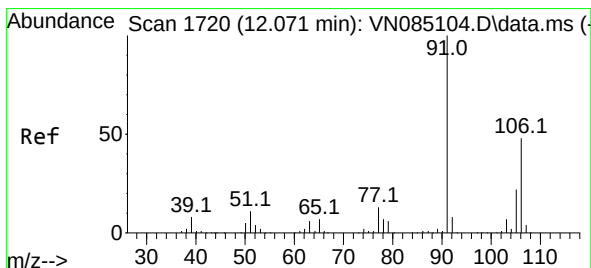
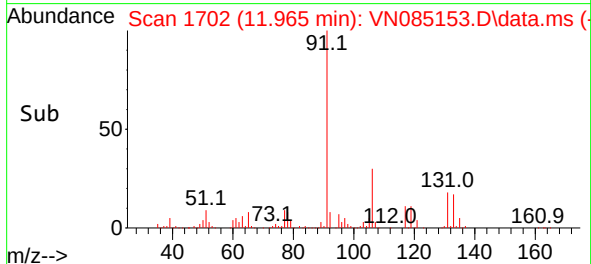
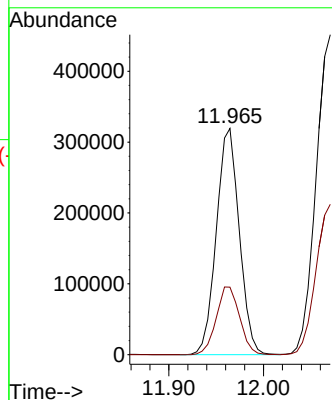
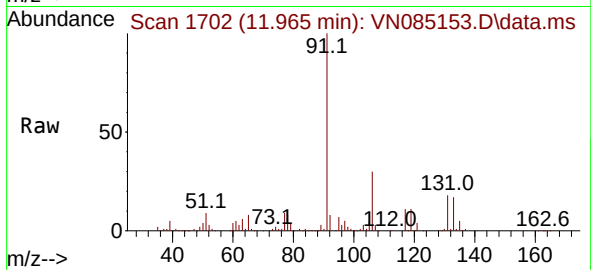




#67
Ethyl Benzene
Concen: 63.337 ug/l
RT: 11.965 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

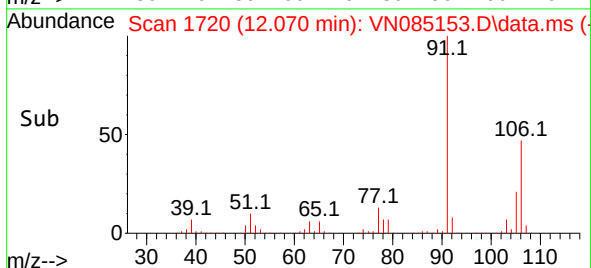
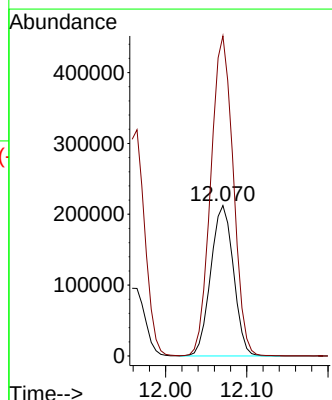
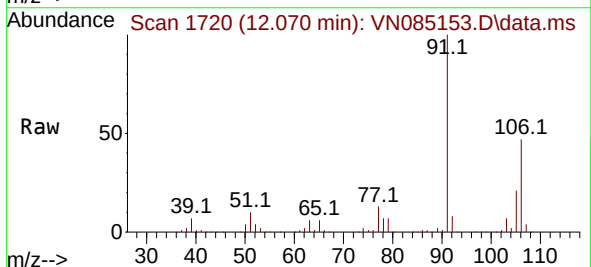
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

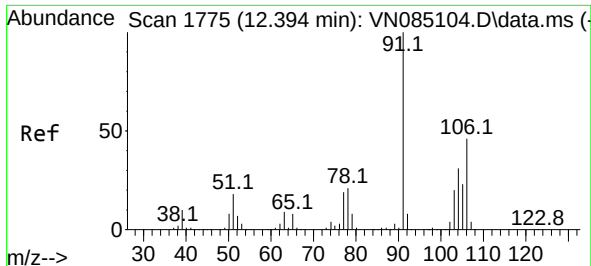
Tgt Ion: 91 Resp: 537789
Ion Ratio Lower Upper
91 100
106 29.8 24.7 37.1



#68
m/p-Xylenes
Concen: 127.766 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:106 Resp: 413021
Ion Ratio Lower Upper
106 100
91 210.4 168.0 252.0

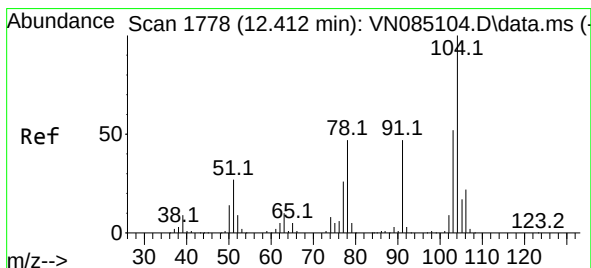
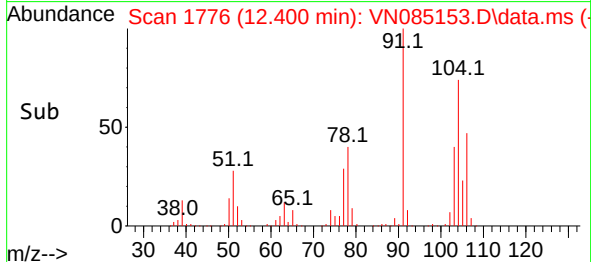
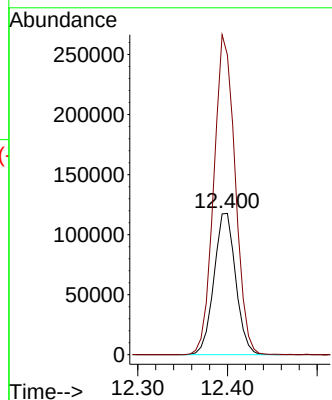
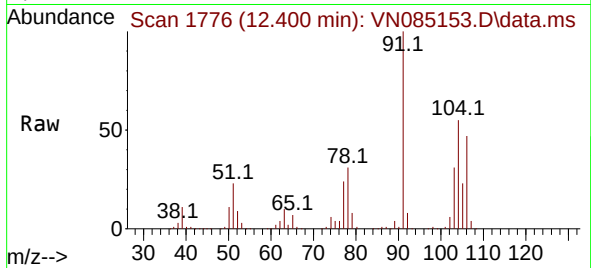




#69
o-Xylene
Concen: 64.428 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

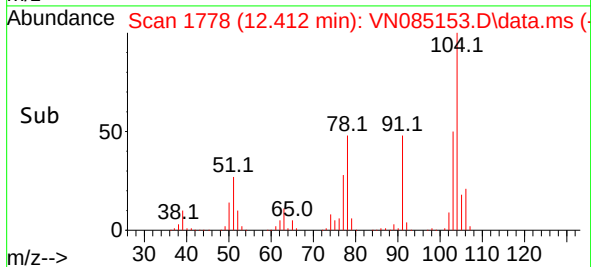
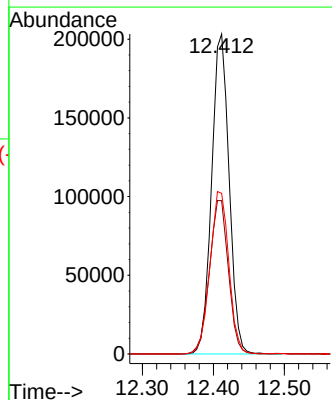
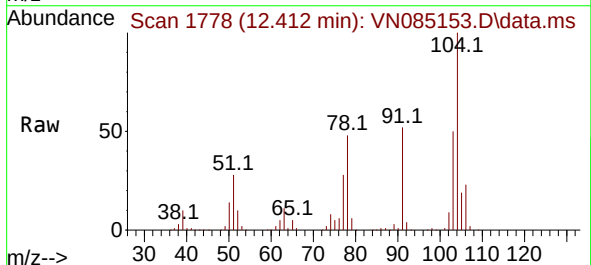
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

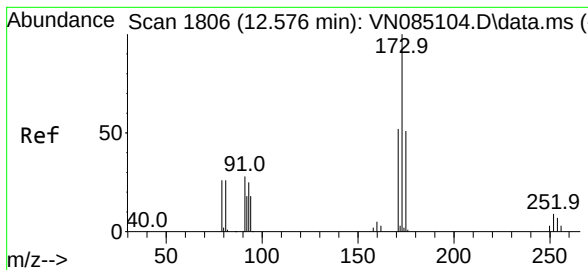
Tgt Ion:106 Resp: 198117
Ion Ratio Lower Upper
106 100
91 222.5 110.7 331.9



#70
Styrene
Concen: 67.883 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:104 Resp: 347132
Ion Ratio Lower Upper
104 100
78 52.1 42.3 63.5
103 54.9 44.2 66.2





#71

Bromoform

Concen: 67.320 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

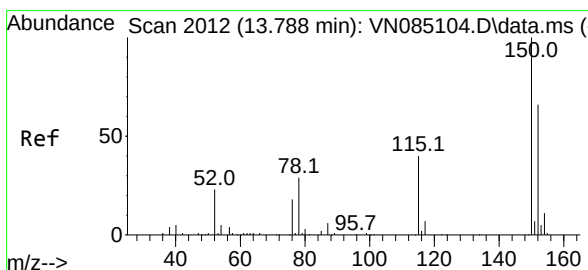
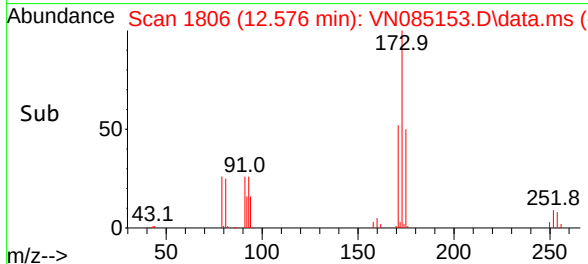
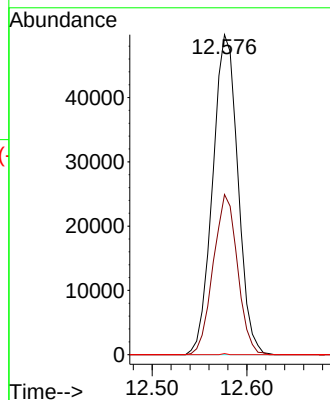
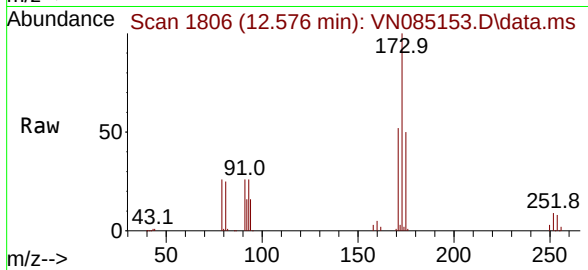
Tgt Ion:173 Resp: 92080

Ion Ratio Lower Upper

173 100

175 48.2 23.8 71.2

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

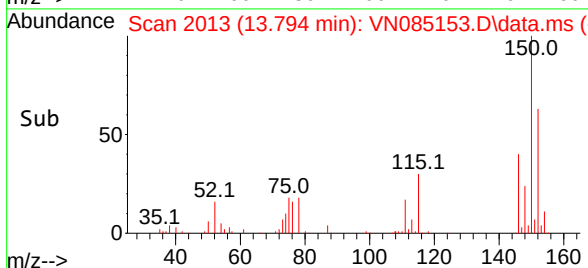
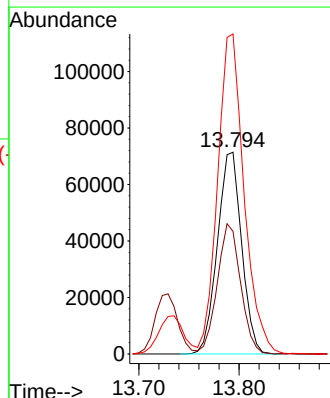
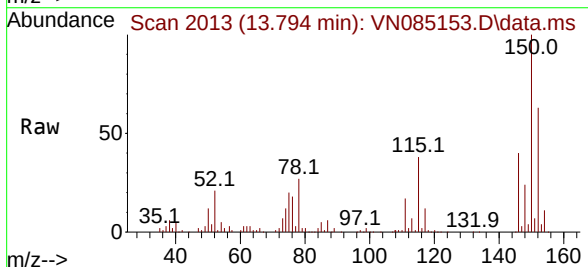
Tgt Ion:152 Resp: 119527

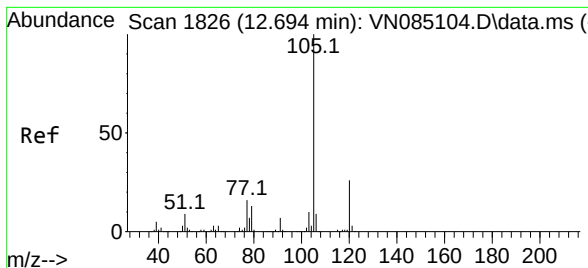
Ion Ratio Lower Upper

152 100

115 62.1 31.7 95.1

150 172.2 0.0 351.4





#73

Isopropylbenzene

Concen: 60.785 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

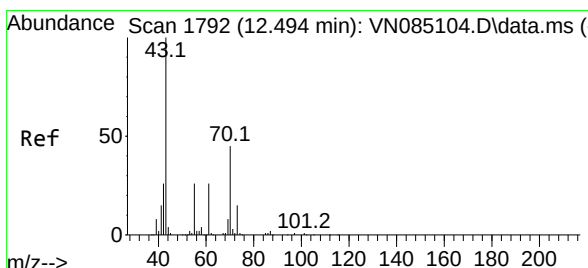
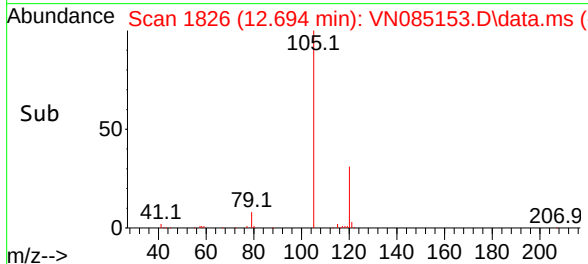
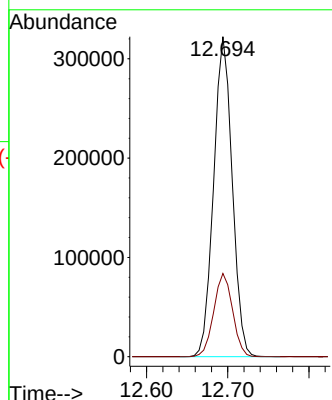
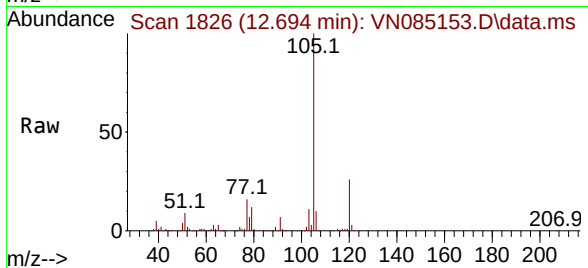
VSTDCCC050EC

Tgt Ion:105 Resp: 512549

Ion Ratio Lower Upper

105 100

120 26.3 13.0 39.0



#74

N-ethyl acetate

Concen: 63.094 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Tgt Ion: 43 Resp: 219231

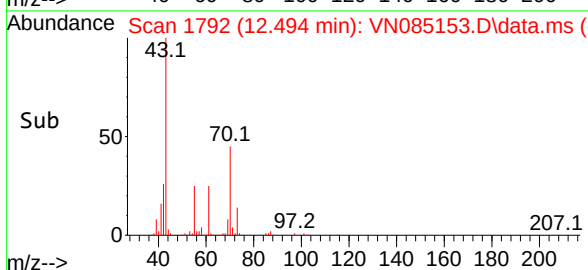
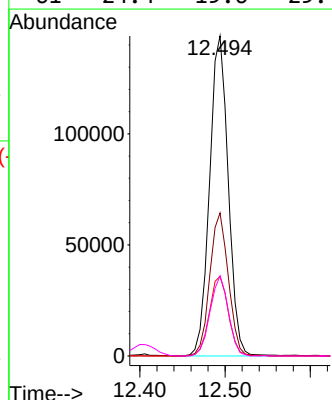
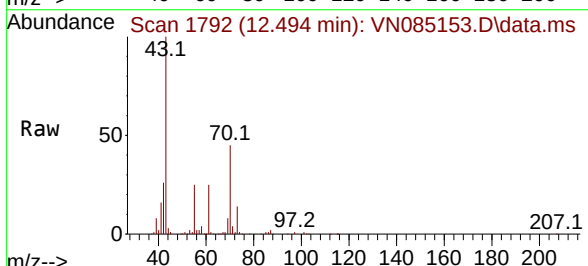
Ion Ratio Lower Upper

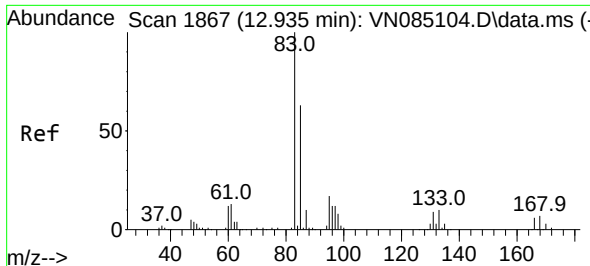
43 100

70 44.4 34.6 51.8

55 25.4 20.5 30.7

61 24.4 19.6 29.4

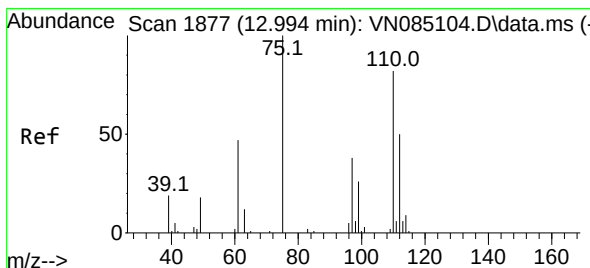
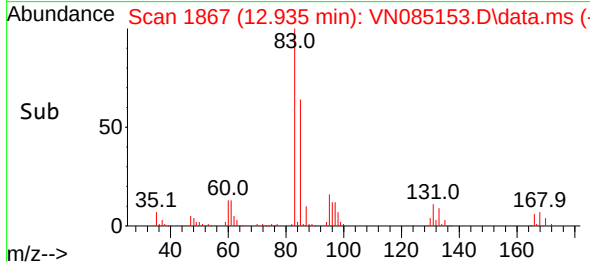
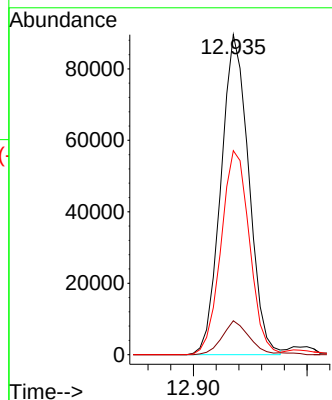
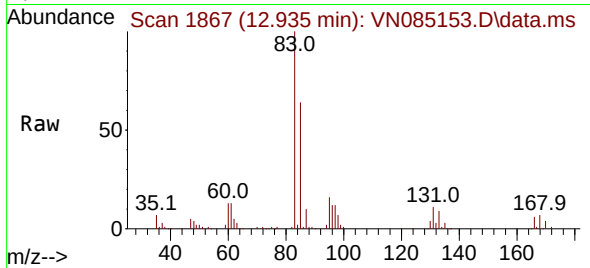




#75
1,1,2,2-Tetrachloroethane
Concen: 52.916 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

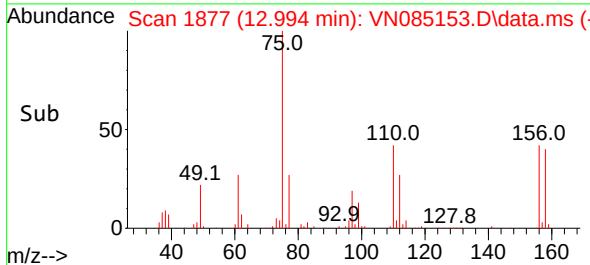
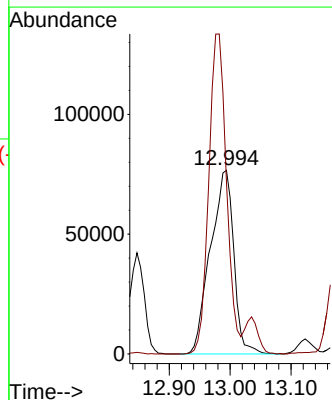
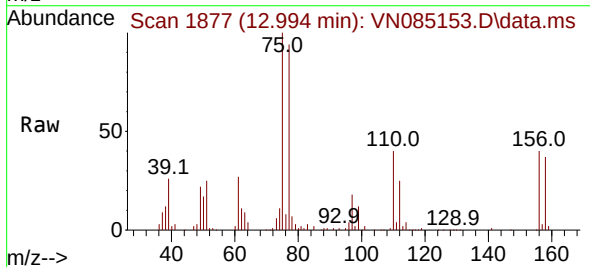
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

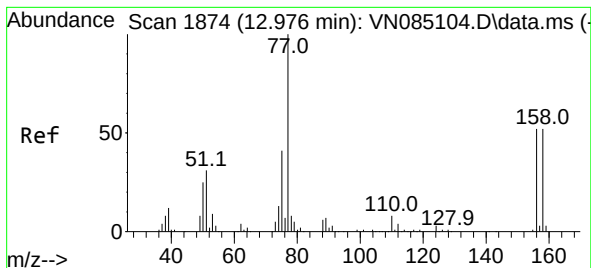
Tgt Ion: 83 Resp: 152365
Ion Ratio Lower Upper
83 100
131 10.6 5.1 15.4
85 65.1 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 93.860 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 75 Resp: 204062
Ion Ratio Lower Upper
75 100
77 132.7 109.1 327.4





#77

Bromobenzene

Concen: 55.620 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

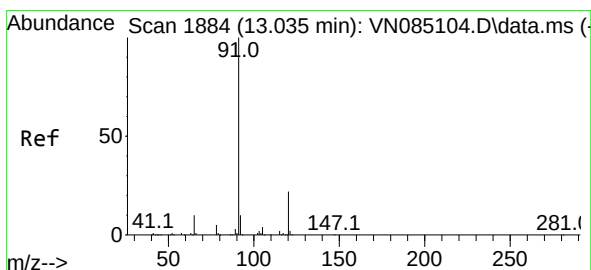
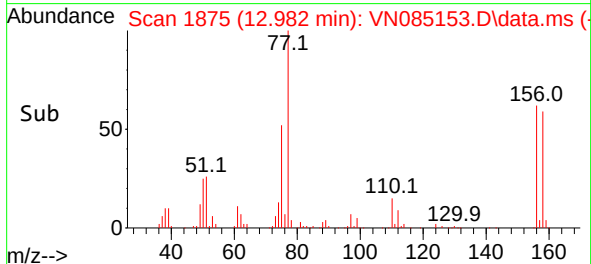
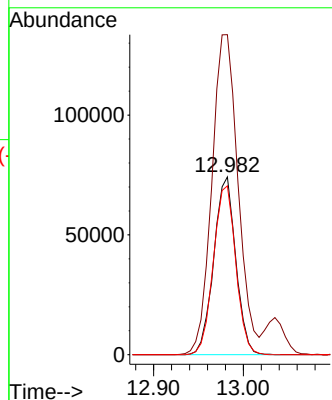
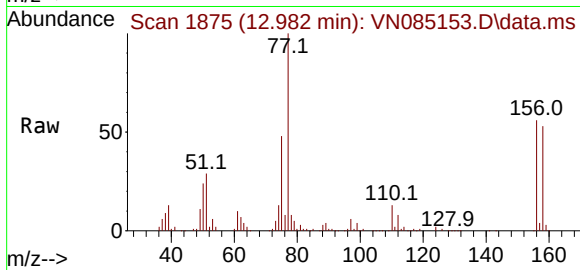
Tgt Ion:156 Resp: 126211

Ion Ratio Lower Upper

156 100

77 214.5 107.2 321.6

158 96.7 48.5 145.6



#78

n-propylbenzene

Concen: 62.752 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085153.D

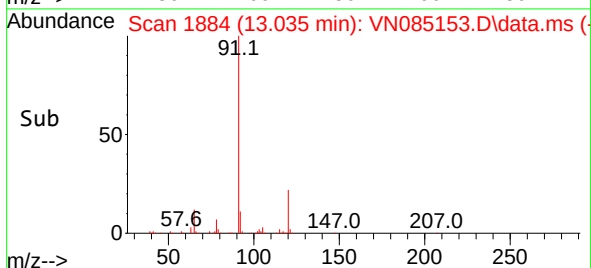
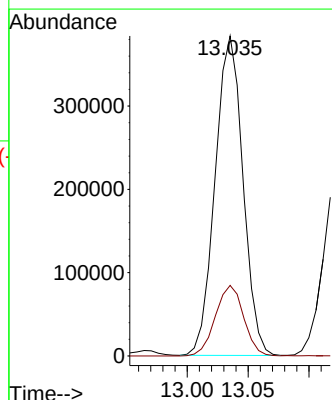
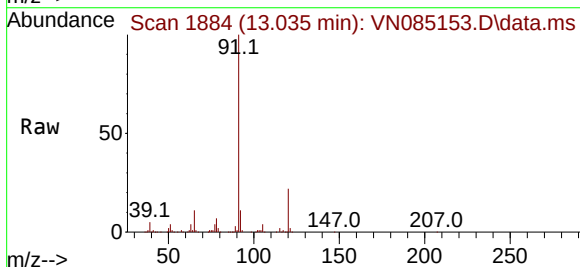
Acq: 09 Dec 2024 16:14

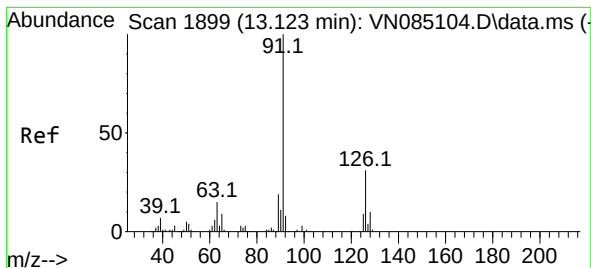
Tgt Ion: 91 Resp: 610311

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#79

2-Chlorotoluene

Concen: 57.227 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

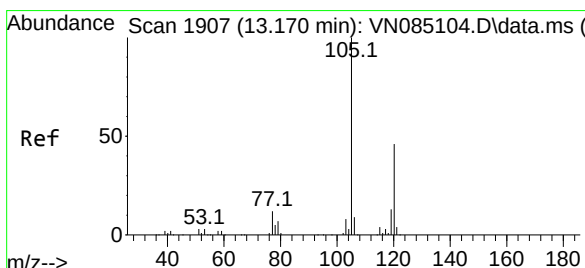
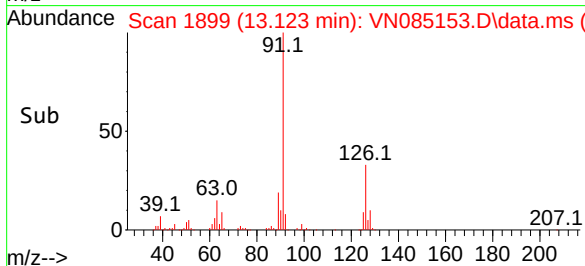
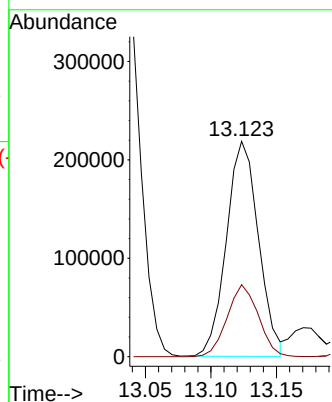
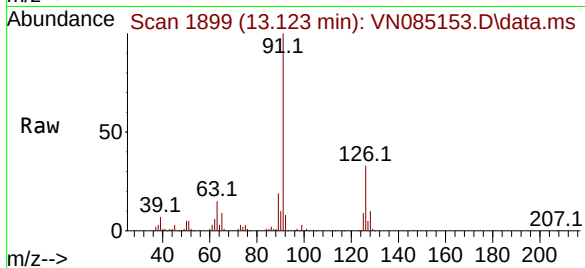
VSTDCCC050EC

Tgt Ion: 91 Resp: 371546

Ion Ratio Lower Upper

91 100

126 32.6 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 62.790 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085153.D

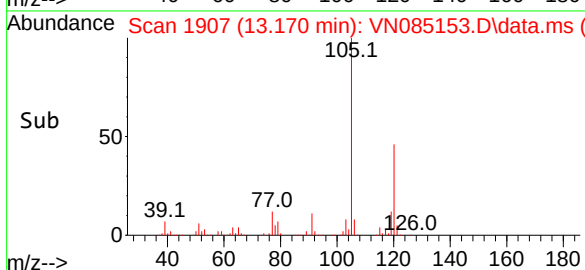
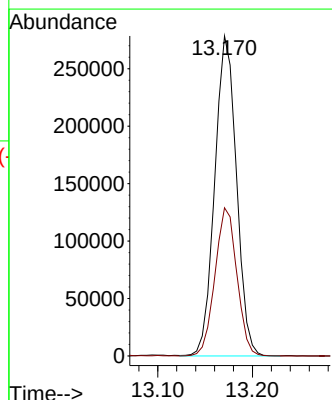
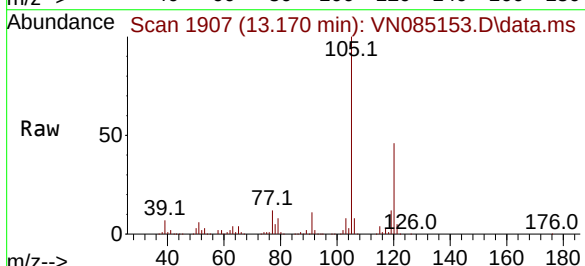
Acq: 09 Dec 2024 16:14

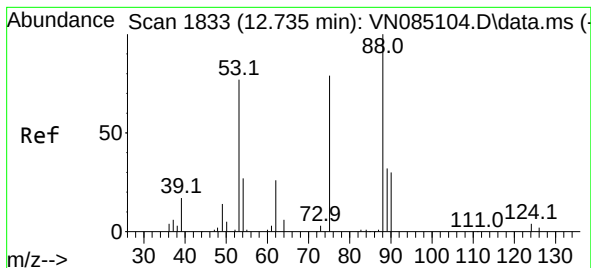
Tgt Ion:105 Resp: 444282

Ion Ratio Lower Upper

105 100

120 46.7 23.6 71.0

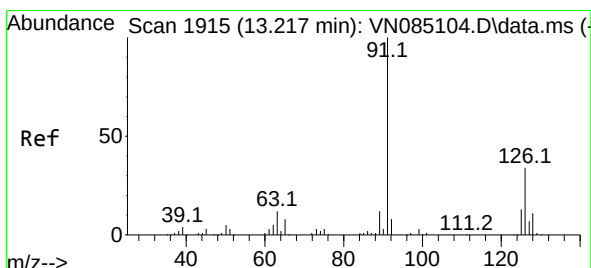
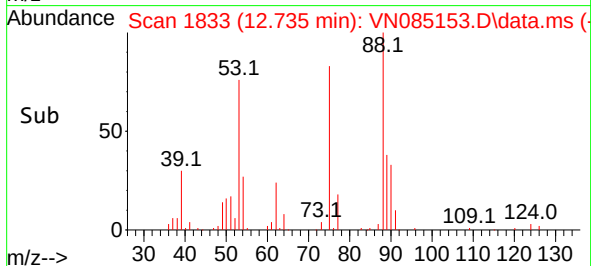
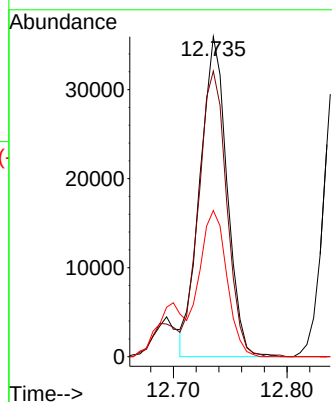
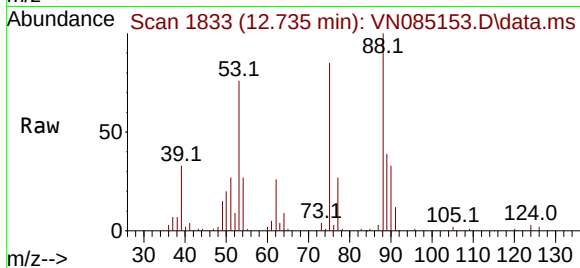




#81
trans-1,4-Dichloro-2-butene
Concen: 60.338 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

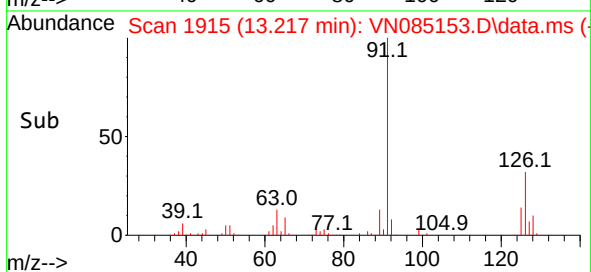
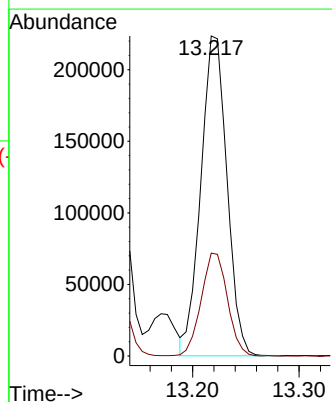
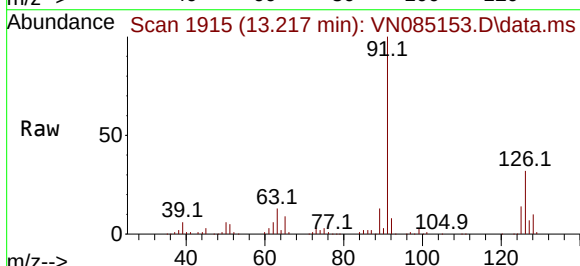
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

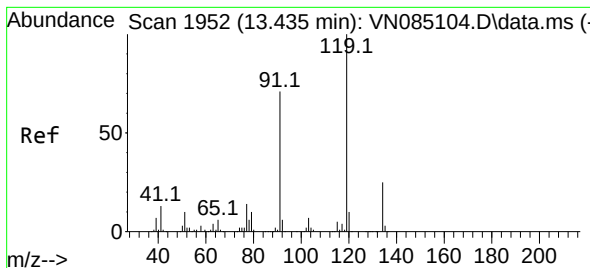
Tgt Ion: 75 Resp: 59423
Ion Ratio Lower Upper
75 100
53 92.2 78.2 117.4
89 46.0 37.9 56.9



#82
4-Chlorotoluene
Concen: 56.362 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 91 Resp: 380936
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.3





#83

tert-Butylbenzene

Concen: 59.272 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

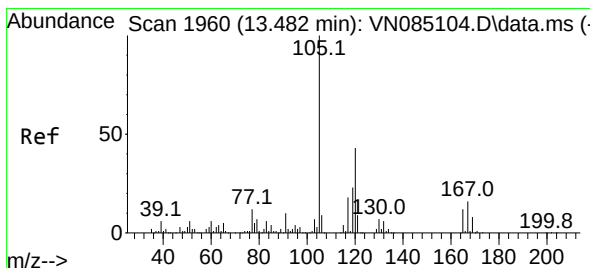
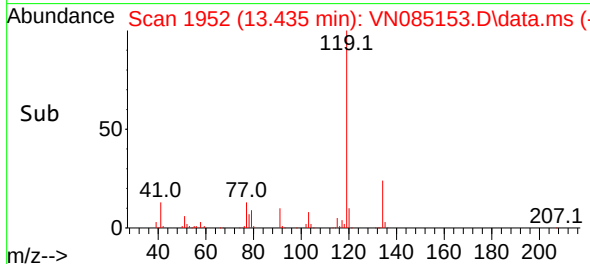
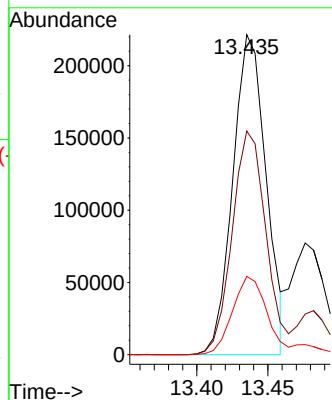
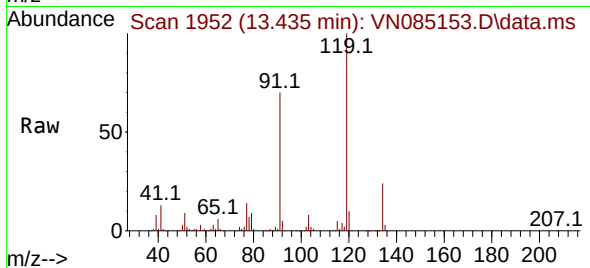
Tgt Ion:119 Resp: 360851

Ion Ratio Lower Upper

119 100

91 71.3 35.1 105.5

134 27.7 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 61.328 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085153.D

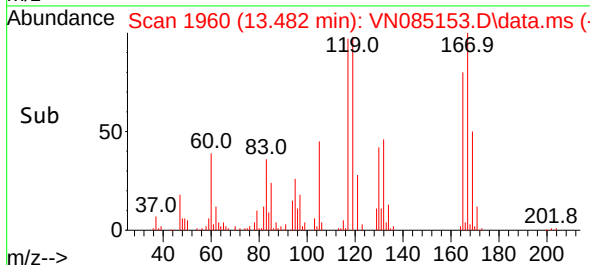
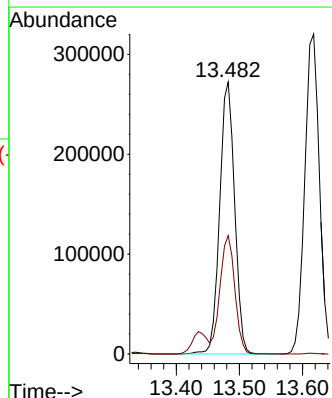
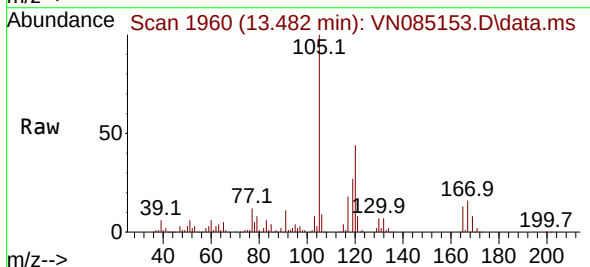
Acq: 09 Dec 2024 16:14

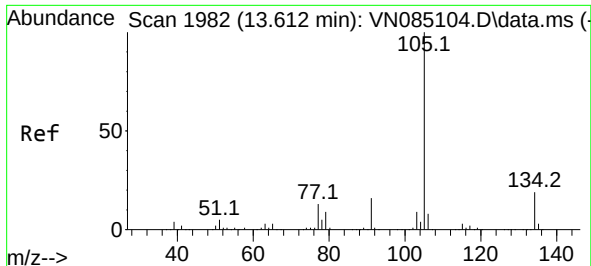
Tgt Ion:105 Resp: 446674

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4

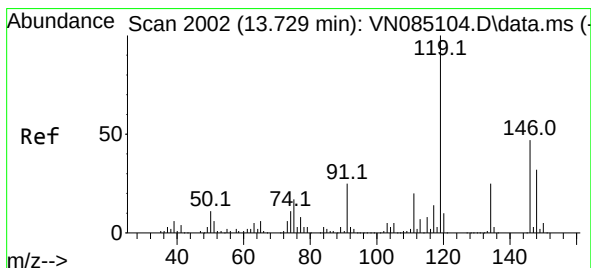
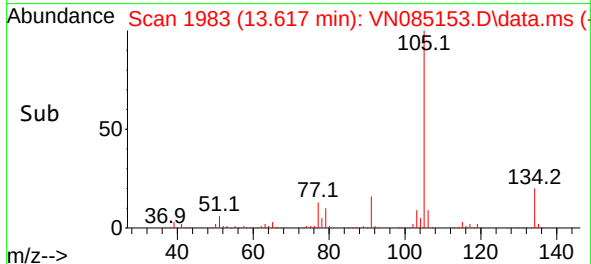
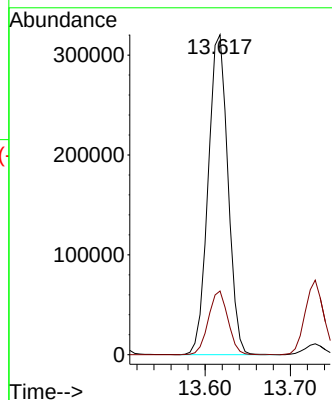
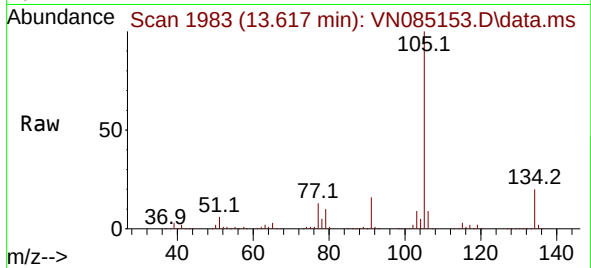




#85
 sec-Butylbenzene
 Concen: 62.691 ug/l
 RT: 13.617 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

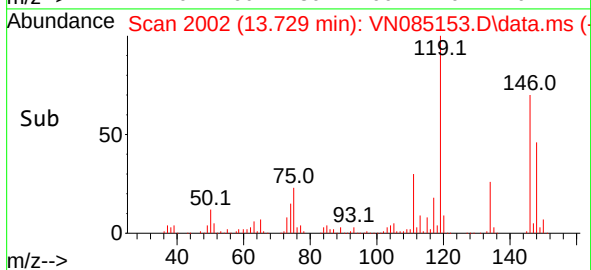
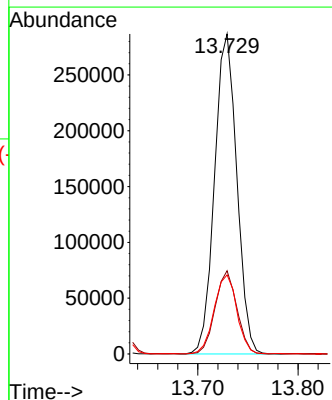
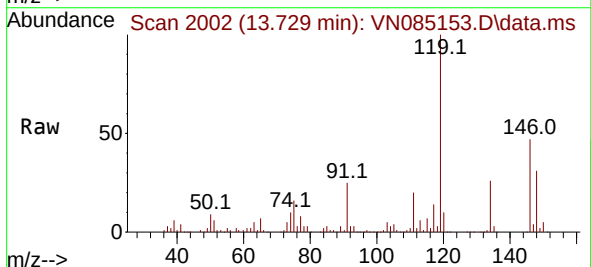
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

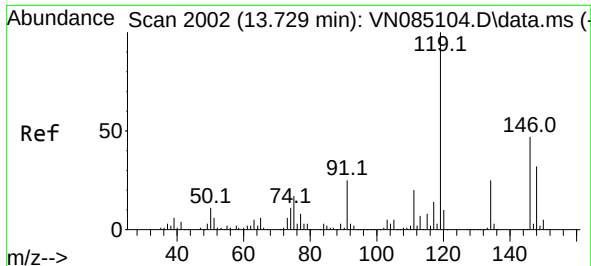
Tgt Ion:105 Resp: 515573
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 65.018 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

Tgt Ion:119 Resp: 441406
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 25.1 12.8 38.4

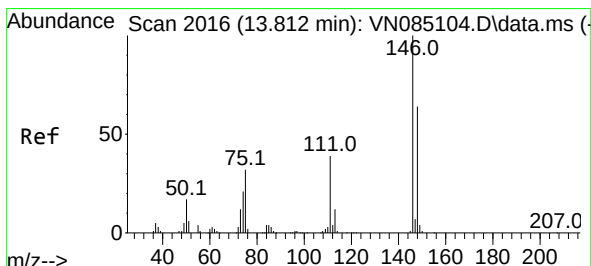
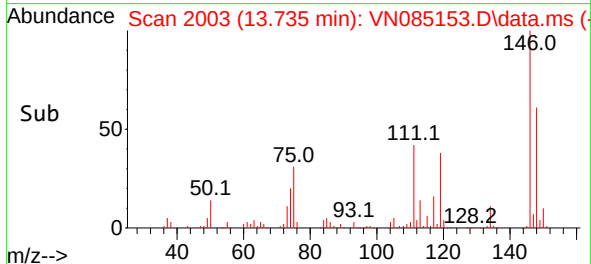
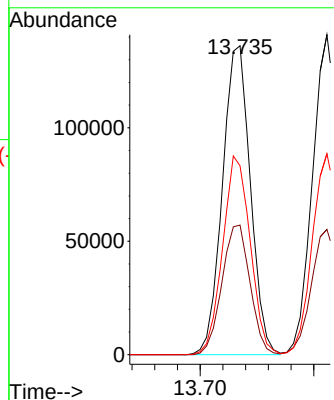
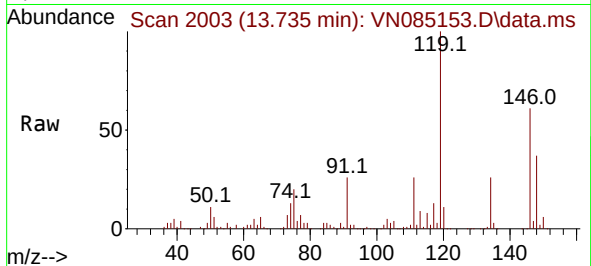




#87
 1,3-Dichlorobenzene
 Concen: 51.875 ug/l
 RT: 13.735 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

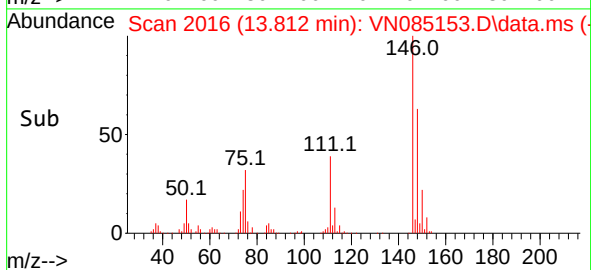
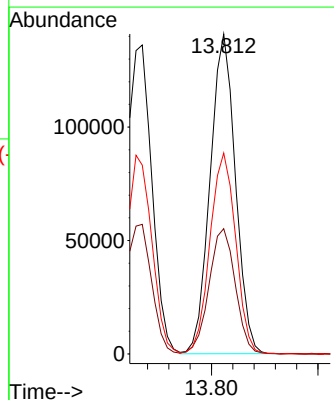
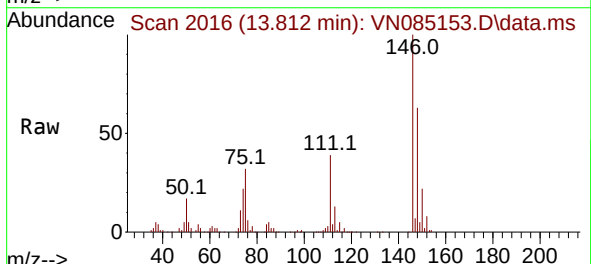
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

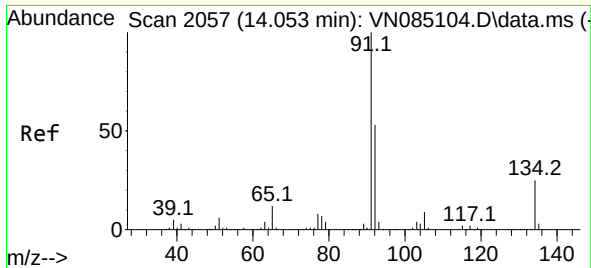
Tgt Ion:146 Resp: 232182
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.6 65.0
 148 63.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.815 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN085153.D
 Acq: 09 Dec 2024 16:14

Tgt Ion:146 Resp: 232095
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.9 62.8
 148 64.0 31.3 93.9

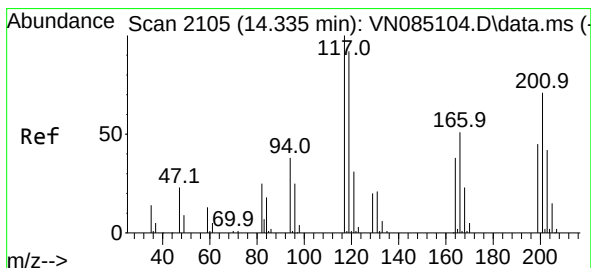
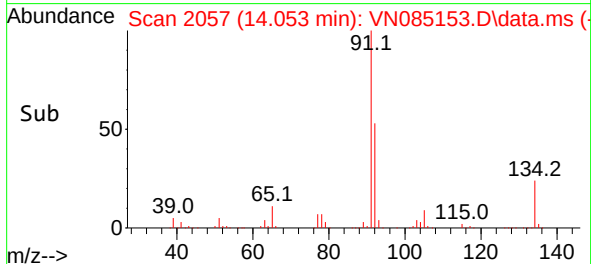
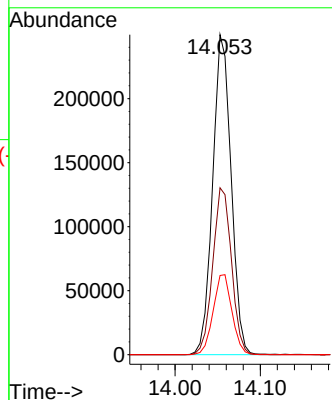
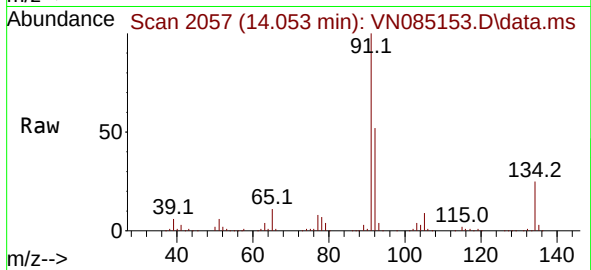




#89
n-Butylbenzene
Concen: 59.518 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

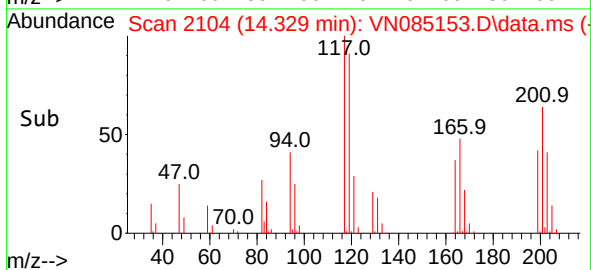
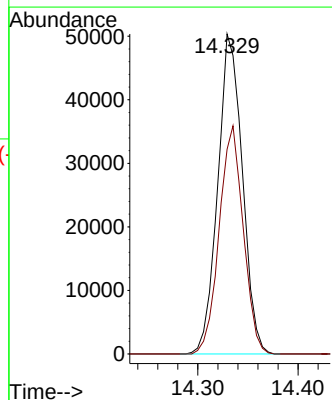
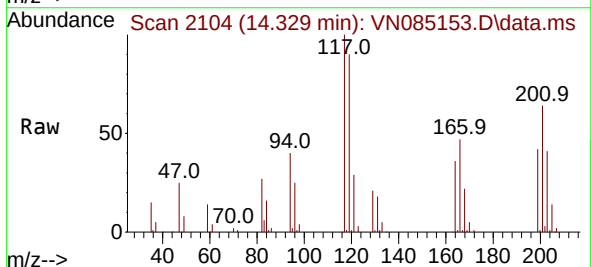
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

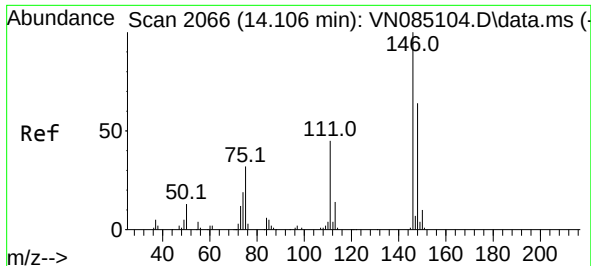
Tgt Ion: 91 Resp: 375765
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.3
134 25.5 12.8 38.4



#90
Hexachloroethane
Concen: 57.956 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion: 117 Resp: 85765
Ion Ratio Lower Upper
117 100
201 69.6 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 50.441 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

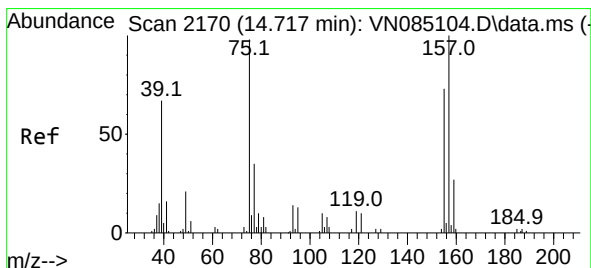
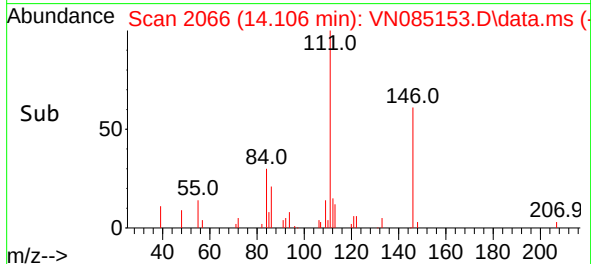
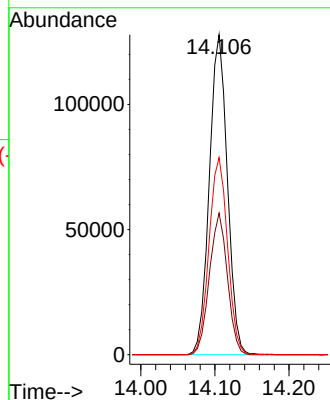
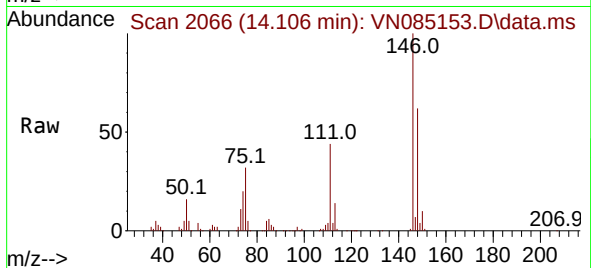
Tgt Ion:146 Resp: 216336

Ion Ratio Lower Upper

146 100

111 44.0 21.9 65.8

148 63.2 31.1 93.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.854 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

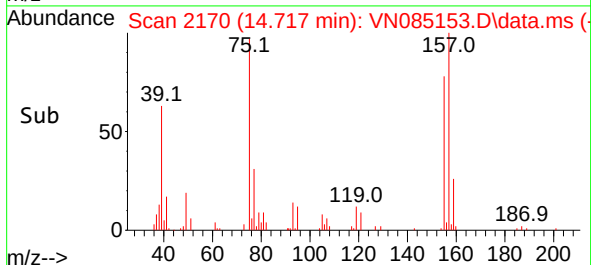
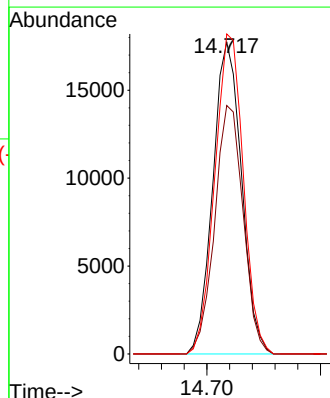
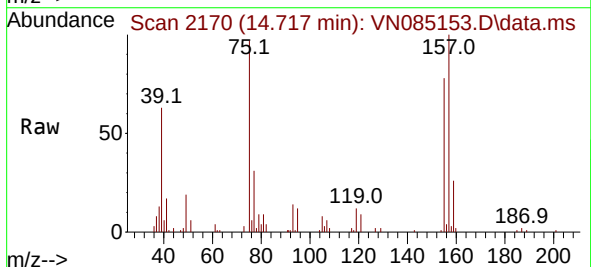
Tgt Ion: 75 Resp: 31099

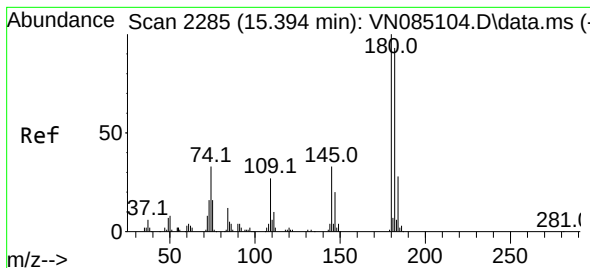
Ion Ratio Lower Upper

75 100

155 79.1 38.9 116.7

157 101.8 48.3 144.9





#93

1,2,4-Trichlorobenzene

Concen: 48.409 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

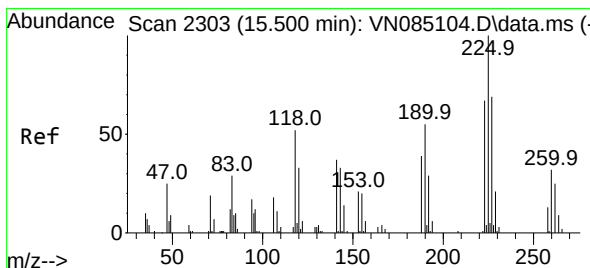
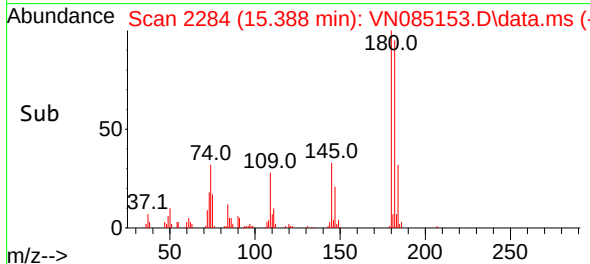
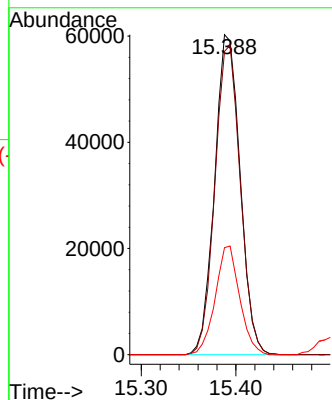
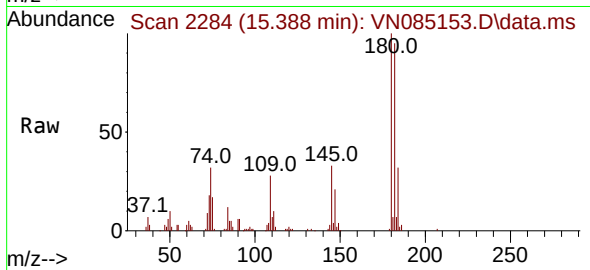
Tgt Ion:180 Resp: 112793

Ion Ratio Lower Upper

180 100

182 96.2 46.9 140.8

145 32.6 16.3 48.8



#94

Hexachlorobutadiene

Concen: 50.659 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085153.D

Acq: 09 Dec 2024 16:14

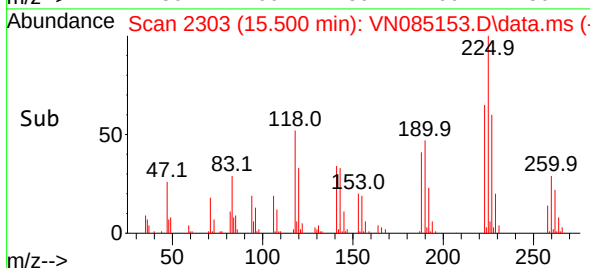
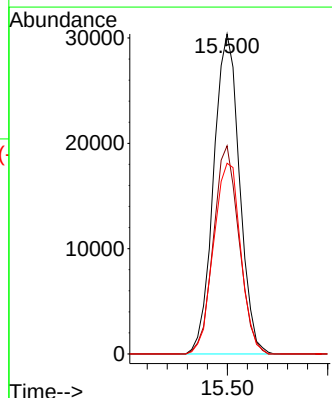
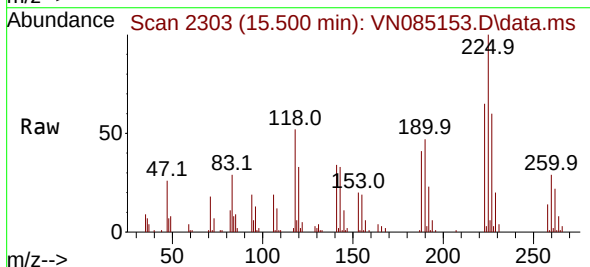
Tgt Ion:225 Resp: 54475

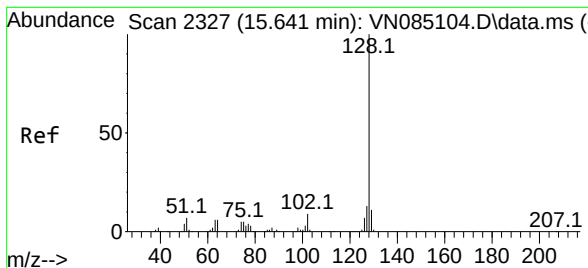
Ion Ratio Lower Upper

225 100

223 64.3 30.9 92.8

227 62.5 31.5 94.5

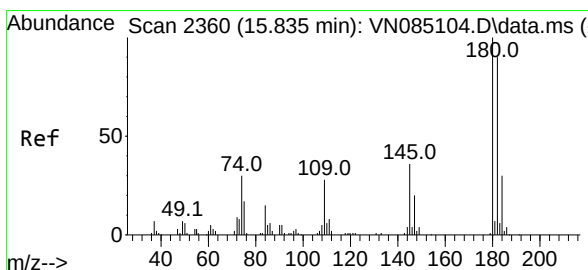
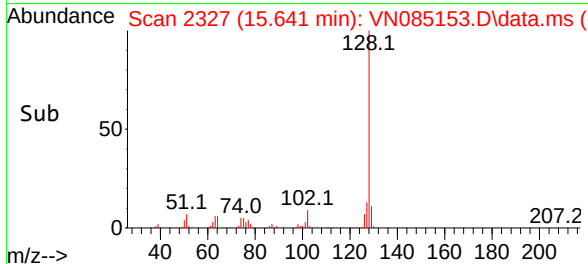
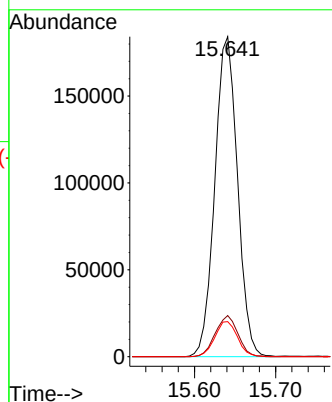
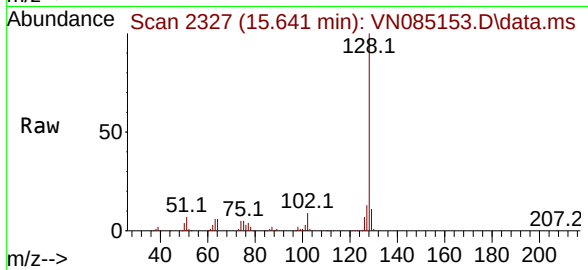




#95
Naphthalene
Concen: 53.899 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 357684
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.0 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 49.972 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085153.D
Acq: 09 Dec 2024 16:14

Tgt Ion:180 Resp: 111098
Ion Ratio Lower Upper
180 100
182 94.8 46.4 139.2
145 35.5 17.3 52.0

